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Meopta, Spojene Zavody pro Jemnou Mechaniku a Optiku, Narodni Podnik, Prerov, Czechoslovakia. Cameras, aero-cameras; motion-picture cameras and projectors; etc. Serial No. 551,649, Mar. 6. Class 26.
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Meteor Manufacturing Corp., Buffalo, N. Y. Wrench kits. Serial No. 601,636, Mar. 6. Class 23.
Metro Manufacturing Company: *See*—
Schoening, Carl H.
Michigan Chrome & Chemical Company, Detroit, Mich. Plastic electrolytic protective coatings. Serial No. 571,340, Mar. 6. Class 16.
Midwest Automatic Valve Co., Inc., Minneapolis, Minn. Automatic fluid pressure actuated tank valves. Serial No. 575,657, Mar. 6. Class 13.
Mission Cellars: *See*—
Weibel Champagne Vineyards.
Modern Perma-Finish Company, St. Petersburg, Fla. Refinishing furniture. Serial No. 557,677, Mar. 6. Class 103.
Mondial Company, Inc., New York, N. Y. Canned fish. Serial No. 594,135, Mar. 6. Class 46.
Monsanto Chemical Company, St. Louis, Mo. Chemicals for use in processing hides and leather. Serial No. 587,347, Mar. 6. Class 52.
Moth-King Corporation, Detroit, Mich. Insecticides. Serial No. 592,155, Mar. 6. Class 6.
Murray, Samuel W., East Pasadena, Calif. Chemically treated pad. Serial No. 575,714, Mar. 6. Class 6.
Mutual Benefit Health and Accident Association, Omaha, Nebr. Underwriting health and accident insurance. Serial No. 592,276, Mar. 6. Class 102.
Mutual Implement and Hardware Insurance Company, Owatonna, Minn. Underwriting of fire, windstorm and casualty insurance. Serial No. 564,824, Mar. 6. Class 102.
Mycalex Corporation of America, Clifton, N. J. Molded electrical insulating parts of glass bonded mica. Serial No. 593,037, Mar. 6. Class 21.
Nassau Chemicals, Inc., San Francisco, Calif. Insecticides, fungicide, and chemical moth killer. Serial No. 595,614, Mar. 6. Class 6.
National Cylinder Gas Company, Chicago, Ill. Electrode carrying cases, etc. Serial No. 552,476, Mar. 6. Class 2.
National Metal Edge Box Company, Philadelphia, Pa. Varnish-like coating. Serial No. 558,578, Mar. 6. Class 16.
National Retail Credit Association, St. Louis, Mo. Informational services. Serial No. 579,067, Mar. 6. Class 101.
National Starch Products Inc., New York, N. Y. Chemically processed starch. Serial No. 586,935, Mar. 6. Class 5.
National Steel Construction Co., Seattle, Wash. Automatic electric water heaters. Serial No. 586,646, Mar. 6. Class 21.
Nebraska Consolidated Mills Company, doing business as Alabama Flour Mills, Omaha, Nebr. Dog food. Serial No. 585,663, Mar. 6. Class 46.
Nestelle's Inc., Portland, Oreg. Preparation consisting of fruits, flavors and colors. Serial No. 592,774, Mar. 6. Class 46.
Netsky, William, doing business under the trade name and style of Susquehanna Waist Company, Upland, Pa. Ladies' blouses. Serial No. 597,538, Mar. 6. Class 39.
Nixon Camera & Photo-Supply Company, The: *See*—
Nixon, Joseph.
Nixon, Joseph, doing business as The Nixon Camera & Photo-Supply Company, Kenmore, N. Y. Periodicals. Serial No. 571,659, Mar. 6. Class 38.
Novik & Co., New York, N. Y. Veilings and nettings in the piece. Serial No. 597,091, Mar. 6. Class 42.
O-Cedar Corp'n, Chicago, Ill. Combination polish, and wax. Serial No. 561,260, Mar. 6. Class 4.
O-Neh-Da Vineyard: *See*—
Society of the Divine Word.
Operadio Manufacturing Co., St. Charles, Ill. Electrical apparatus. Serial No. 585,716, Mar. 6. Class 21.
Ostrander-Sams Corporation, Waukegan, Ill. Greeting cards. Serial No. 598,101, Mar. 6. Class 38.
Ozark Smelting & Mining Company, The, Cleveland, Ohio. Paint pigments. Serial No. 595,223, Mar. 6. Class 16.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. Serial No. 600,547, Mar. 6. Class 42.
Packard Dresses, Inc., New York, N. Y. Ladies' dresses, and dress ensembles. Serial No. 572,682, Mar. 6. Class 39.
Parent, Goyer (Noranda) Ltd., Noranda, Quebec, Canada. Fresh and frozen blueberries. Serial No. 587,994, Mar. 6. Class 46.
Parts Processing Corporation, Detroit, Mich. Valves for internal combustion engines. Serial No. 568,443, Mar. 6. Class 23.
Pass & Seymour, Inc., Syracuse, N. Y. Electric lighting and wiring fixtures and parts thereof. Serial No. 571,822, Mar. 6. Class 21.
Pass & Seymour, Inc., Syracuse, N. Y. Electric lighting and wiring fixtures and parts thereof. Serial No. 572,916, Mar. 6. Class 21.
Patrick, Esther, Geneva, N. Y. Children's dresses, aprons and pinafores. Serial No. 566,295, Mar. 6. Class 39.
Pawlcyn, Stephen, doing business under the name General Nut Sales Co., Minneapolis, Minn. Popped corn, potato chips and salted shelled nuts, etc. Serial No. 585,543, Mar. 6. Class 46.
Paxton & Gallegher Company, assignee: *See*—
Western Wine and Liquor Co.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 598,386, Mar. 6. Class 39.
Petermann Co., Union City, N. J. Non-alcoholic maltless carbonated soft drinks. Serial No. 600,800, Mar. 6. Class 45.
Peters & Russell, Inc., Springfield, Ohio. Automobile utility trays. Serial No. 596,799, Mar. 6. Class 19.
Petroleum Heat and Power Company, Stamford, Conn. Thermostats. Serial No. 600,695, Mar. 6. Class 26.
Pettibone Mulliken Corporation, Chicago, Ill. Portable loaders. Serial No. 585,650, Mar. 6. Class 23.
Phelon Magnagrip Company, Inc., Springfield, Mass. Holders for articles of magnetic material. Serial No. 592,658, Mar. 6. Class 23.
Phoenix, Inc., Allentown, Pa. Fabrics. Serial No. 595,089, Mar. 6. Class 42.
Piedra, Jose L., Habana, Cuba. Cigars. Serial No. 600,307, Mar. 6. Class 17.
Pierce, F. O., Company, Long Island City, N. Y. Pigmented primer and sealer. Serial No. 594,579, Mar. 6. Class 16.
Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blackshear, Ga. Shoes. Serial No. 595,912, Mar. 6. Class 39.
Pocket Books, Inc., New York, N. Y. Books. Serial No. 548,991, Mar. 6. Class 38.
Poirette Corsets, Inc., New York, N. Y. Brassières, girdles, and combination brassières and girdles. Serial No. 599,013, Mar. 6. Class 39.
Polychrome Corporation, Yonkers, N. Y. Stencil duplicating ink, duplicating fluid, and carbon paper. Serial No. 584,250, Mar. 6. Class 11.
Protective Mounts, Inc., Los Angeles, Calif. Protective mountings. Serial No. 582,738, Mar. 6. Class 37.
Protektron Corp., Buffalo, N. Y. Ultra-violet ray germ killing lamps. Serial No. 559,541, Mar. 6. Class 21.
Quality Frozen Co.: *See*—
Ayres and Roberts.
Radio Corporation of America, New York, N. Y. Television sets; television and radio receiver set combinations; etc. Serial Nos. 599,015–17, Mar. 6. Class 21.
Rath Packing Company, The, Waterloo, Iowa. Shortening. Serial No. 569,297, Mar. 6. Class 46.
Raybestos-Manhattan, Inc., Passaic, N. J. Electrical insulating material. Serial No. 594,808, Mar. 6. Class 21.
Reading, Abram B., Berkeley, Calif. Picture type puzzles. Serial No. 585,683, Mar. 6. Class 22.
Red Spot Paint & Varnish Co. Inc., Evansville, Ind. Paint enamels. Serial No. 545,280, Mar. 6. Class 16.
Reed Products Company, The: *See*—
Blust, Fred A.
Reinbrandt Tobacco Corporation (Overseas) Limited, Stellenbosch, Cape Province, Union of South Africa. Cigarettes and cut tobacco (pipe tobacco). Serial No. 600,308, Mar. 6. Class 17.
Rice Growers Association of California, Sacramento, Calif. Rice. Serial No. 596,753, Mar. 6. Class 46.
Rochester Germicide Company, Rochester, N. Y. Dispenser containing a liquid deodorant. Serial No. 580,325, Mar. 6. Class 13.
Rockwell Manufacturing Company, Pittsburgh, Pa. Machine tools. Serial No. 599,020, Mar. 6. Class 23.
Roots-Connersville Blower Corporation, Connersville, Ind. Rotary positive blowers, rotary, positive gas pumps, centrifugal blowers, etc. Serial No. 539,217, Mar. 6. Class 23.

Rosewin Coats Inc., Kansas City, Mo. Textile fabrics. Serial No. 595,515, Mar. 6. Class 42.
Royal Pharmacal Corporation, Duquesne, Pa. Medicinal mineral oil. Serial No. 578,630, Mar. 6. Class 18.
Rubber & Plastics Compound Company, Inc., New York, N. Y. Copolymer compound. Serial No. 577,765, Mar. 6. Class 6.
Rubicon, Inc., New York, N. Y. Collapsible ball point pens and collapsible pencils. Serial No. 595,741, Mar. 6. Class 37.
Hacks, H., and Sons, Brookline, Mass. Tables, chairs, bureaus, etc. Serial No. 591,319, Mar. 6. Class 32.
Sanitek Products, Inc., Los Angeles, Calif. Floor varnish. Serial No. 557,778, Mar. 6. Class 16.
Schaible Company, The, Cincinnati, Ohio. Globe valves. Serial No. 598,928, Mar. 6. Class 13.
Schaible Company, The, Cincinnati, Ohio. Globe valves, angle valves, stop valves, etc. Serial No. 599,456, Mar. 6. Class 13.
Schatz, Louis W., doing business as General Plastics Manufacturing Company, Tacoma, Wash. Liquid plastic base finish, and a liquid chemical for thinning liquid plastic base finish, etc. Serial No. 549,088, Mar. 6. Class 16.
Schaub, Fred H., Engineering Co., Inc., Chicago, Ill. Steam trap with an air vent. Serial No. 533,058, Mar. 6. Class 13.
Schenley Industries, Inc., New York, N. Y. Whiskey and gin. Serial No. 598,964, Mar. 6. Class 49.
Schoening, Carl H., doing business as Metro Manufacturing Company, Long Island City, N. Y. Welding helmets, hand shields, and welding goggles. Serial No. 525,112, Mar. 6. Class 26.
Scholfield Service, Inc.: *See*—
Wheeldex Manufacturing Co., Inc.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Periodical publication. Serial No. 595,335, Mar. 6. Class 38.
Sieloff Manufacturing Company, Inc., Lexington, N. C. Men's and boys' overalls, dungarees, work pants, etc. Serial No. 583,823, Mar. 6. Class 39.
Simmons Company, New York, N. Y. Mattresses. Serial No. 596,052, Mar. 6. Class 32.
Sinclaire, Kennedy, Inc., New York, N. Y. Periodical publications. Serial No. 587,805, Mar. 6. Class 38.
Sloan Valve Company, Chicago, Ill. Shower heads. Serial No. 596,812, Mar. 6. Class 13.
Smith, Nathan R., doing business as Nathan R. Smith Manufacturing Co., South Pasadena, Calif. Spark coil for model gas engines designed for use in toy model aircraft and like items. Serial No. 586,707, Mar. 6. Class 22.
Smith, Nathan R., Manufacturing Co.: *See*—
Smith, Nathan R.
Societe a Responsabilite Limitee Pates Alimentaires Rivoire & Carret, Barbe (Rhone) France. Alimentary pastes and canned soups. Serial No. 568,123, Mar. 6. Class 46.
Society of the Divine Word, doing business as O-Neh-Da Vineyard, Conesus, N. Y. Wines. Serial No. 520,908, Mar. 6. Class 47.
Southern Entomological Company, West Palm Beach, Fla. Insecticides and larvicides. Serial No. 595,857, Mar. 6. Class 6.
Spiegel, Inc., Chicago, Ill. Electrical and mechanical refrigerators. Serial No. 592,286, Mar. 6. Class 31.
Sporting Goods Mfg. Company, Inc., Lynn, Mass. Miniature footballs. Serial No. 580,437, Mar. 6. Class 22.
Sprague Electric Company, North Adams, Mass. Capacitor and resistor analyzers, radio interference locators, etc. Serial No. 599,198, Mar. 6. Class 26.
Standard Brands Incorporated, New York, N. Y. Compressed and dried yeasts; baking powders; vinegars, etc. Serial No. 590,039, Mar. 6. Class 46.
Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Dyes and dyestuffs. Serial Nos. 596,450–5, Mar. 6. Class 6.
Stier, Harry A., Co., Denver, Colo. Ladies' hats. Serial No. 509,616, Mar. 6. Class 39.
Stiffelman, H., & Co., Philadelphia, Pa. Butter. Serial No. 570,447, Mar. 6. Class 46.
Storkline Furniture Corporation, Chicago Ill. Infants' nursery and juvenile furniture. Serial No. 554,334, Mar. 6. Class 32.
Sunset Incorporated, Chicago, Ill. Potable distilled alcoholic beverage. Serial No. 590,334, Mar. 6. Class 49.
Superba Cravats, Rochester, N. Y. Neckties. Serial No. 592,007, Mar. 6. Class 39.
Susquehanna Waist Company: *See*—
Netsky, William.
Swift Manufacturing Company, Columbus, Ga. Piece goods. Serial Nos. 595,341–2, Mar. 6. Class 42.
Talon, Inc., Meadville, Pa. Slide fasteners. Serial No. 570,004, Mar. 6. Class 13.
Tarbonis Company, The, Cleveland, Ohio. Combination of a coal tar extract and an anti-histamine. Serial No. 594,673, Mar. 6. Class 18.
Thurston Chemical Company, Joplin, Mo. Superphosphate and mixed grades of commercial fertiliser. Serial No. 596,307, Mar. 6. Class 10.
Town Talk Polish Company, Manchester, England. Unimpregnated polishing cloths. Serial No. 568,348, Mar. 6. Class 29.
Tribune Company, Chicago, Ill. Series of cartoons. Serial No. 586,504, Mar. 6. Class 38.
Tri-State Plastic Molding Co., Henderson, Ky. Plastic toy sailboats. Serial No. 595,037, Mar. 6. Class 22.
Troop Water Heater Company, Pittsburgh, Pa. Electric water heaters. Serial No. 572,612, Mar. 6. Class 21.
Unipress Company, Incorporated, The, Minneapolis, Minn. Garment presses. Serial No. 602,348, Mar. 6. Class 24.
United States Rubber Company, New York, N. Y. Rubber tires. Serial No. 547,949, Mar. 6. Class 35.
Universal Chemists, Inc., Boston, Mass., sometimes doing business as Gale Hall Engineering. Gauge to indicate the general condition and efficiency of an internal combustion motor. Serial No. 593,303, Mar. 6. Class 26.
Vaaler & Hagemo, La Crosse, Wis. Toy airplane ejector pistols. Serial No. 568,880, Mar. 6. Class 22.
Vazquez, Francisco, Inc., Manati, P. R. Canned sliced pineapple, canned crushed pineapple, and canned pineapple juice. Serial No. 595,114, Mar. 6. Class 46.
Vic Cleaning Machine Company, Minneapolis, Minn. Dry cleaning machines. Serial No. 563,088, Mar. 6. Class 24.
Viking Pump Company, Cedar Falls, Iowa. Fluid displacement pumps. Serial No. 584,706, Mar. 6. Class 23.
Voss, J. H. H., Co., The, New York, N. Y. Automatic high speed ringplate valves. Serial No. 575,105, Mar. 6. Class 13.
Webster Electric Company, Racine, Wis. Audio frequency amplifiers, pick-up tone arms, etc. Serial No. 591,389, Mar. 6. Class 21.
Weibel Champagne Vineyards, doing business as Mission Cellars, Mission San Jose, Calif. Wines. Serial No. 600,796, Mar. 6. Class 47.
Welding Apparatus Company, Chicago, Ill. Welding helmet. Serial No. 582,258, Mar. 6. Class 26.
West Disinfecting Company, Long Island City, N. Y. Liquid floor sealer and finish lacquer. Serial No. 595,438, Mar. 6. Class 16.
Western Wine and Liquor Co., assignor to Paxton & Gallegher Company, Omaha, Nebr. Whiskey. Serial No. 594,605, Mar. 6. Class 49.
Wheelco Instruments Company, Chicago, Ill. Electrically operated instruments for recording and controlling conditions. Serial No. 541,898, Mar. 6. Class 26.
Wheeldex Manufacturing Co., Inc., White Plains, N. Y., by change of name from Scholfield Service, Inc. Small portable, rotary filing equipment. Serial No. 517,525, Mar. 6. Class 37.
White, Ed, Junior Shoe Company, St. Louis, Mo. Boys' and girls' shoes. Serial No. 530,696, Mar. 6. Class 39.
Whitehall Pharmacal Company, New York, N. Y. Lipsticks, rouges, face powders, etc. Serial No. 570,455, Mar. 6. Class 51.
Whitehall Pharmacal Company, New York, N. Y. Lipsticks, face powders, talcum powder, and cologne. Serial No. 570,456, Mar. 6. Class 51.
Williams, J. B., Company, The, Glastonbury, Conn. Creams. Serial No. 593,385, Mar. 6. Class 51.
Wise Shoe Stores, Inc., New York, N. Y. Ladies' shoes. Serial No. 563,144, Mar. 6. Class 39.
Wyeth Incorporated, Philadelphia, Pa. Hyaluronidase in injectable form. Serial No. 603,137, Mar. 6. Class 18.
Wyeth Incorporated, Philadelphia, Pa. Triple sulfonamides. Serial No. 603,471, Mar. 6. Class 18.
Wyner, I. A., & Co., Inc., New York, N. Y. Garments for women. Serial No. 598,515, Mar. 6. Class 39.
York Uniform Company: *See*—
Cooper, Leo M.

LIST OF REGISTRANTS OF TRADE-MARKS

Abiah, Hyman, doing business as New York Hat & Cap Co., assignor to Jay Gee Hat Co., Inc., New York, N. Y. Hats. 538,941, Mar. 6; Serial No. 576,609, published Apr. 18, 1950. Class 39.
Ablin Limited, London, England. Pharmaceutical preparations. 539,072, Mar. 6; Serial No. 593,641, published Dec. 12, 1950. Class 18.
Acomb, Harry L., Wayne, Pa. Industrial synthetic resins. 539,008, Mar. 6; Serial No. 587,617, published Dec. 19, 1950. Class 6.
Aktiebolaget, Orrefors Glasbruk, Orrefors, Sweden. Lamp globes, lamp shades, and lamp lenses, etc. 398,943, Dec. 8, 1942. Republished Mar. 6, Class 34.

Allen, Raleigh, New York, N. Y. Rubber slabs and rubber mats. 539,033, Mar. 6; Serial No. 590,298, published Nov. 14, 1950. Class 50.
Allied Chemical & Dye Corporation, New York, N. Y. Halogenated hydrocarbons. 538,951, Mar. 6; Serial No. 578,672, published Dec. 19, 1950. Class 6.
Alma Industries: *See*—
Shapiro, Elias.
Amalgamated Dental Company Limited, The, London, England. Dental instruments and utensils. 538,916, Mar. 6; Serial No. 572,147, published Dec. 5, 1950. Class 44.
Amalgamated Dental Company Limited, The, London, England. Dental instruments. 538,917, Mar. 6; Serial No. 572,149, published Dec. 19, 1950. Class 44.
American Air Filter Company, Inc., Louisville, Ky. Mechanical viscous-impingement ventilating air filters. 538,999, Mar. 6; Serial No. 587,002, published Nov. 28, 1950. Class 31.
American Cement Paint Company, The, Roosville, Ga., to The Muralo Company, Inc., Staten Island, N. Y. Painter's sizing for walls. 278,161, renewed Dec. 9, 1950. O. G. Mar. 6. Class 16.
American Cement Paint Company, The, Roosville, Ga., to The Muralo Company, Inc., Staten Island, N. Y. Dry paint. 278,162, renewed Dec. 9, 1950. O. G. Mar. 6. Class 16.
American Cyanamid Company, New York, N. Y. Preparations containing a combination of bacterins or vaccines. 538,930, Mar. 6; Serial No. 573,862, published Dec. 5, 1950. Class 18.
American Cyanamid Company, New York, N. Y. Thiouracil preparations. 538,972, Mar. 6; Serial No. 581,924, published July 18, 1950. Class 18.
American Floor Surfacing Machine Company, The, Toledo, Ohio. Sandpaper, abrasive paper, abrasive cloth, etc. 538,990, Mar. 6; Serial No. 585,778, published Nov. 28, 1950. Class 4.
American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa. Children's sand boxes and play pools, etc. 539,036, Mar. 6; Serial No. 590,926, published Nov. 14, 1950. Class 22.
American Metal Specialties Corporation: *See*—
American Metal Specialties Corp.
American Safety Razor Corporation, Brooklyn, N. Y. Shaving brushes. 539,032, Mar. 6; Serial No. 590,248, published Nov. 28, 1950. Class 29.
American Stores Company, Philadelphia, Pa. Ammonia, bluing, bleach water, etc. 539,015, Mar. 6; Serial No. 588,543, published Dec. 19, 1950. Class 6.
American Tansul Company, San Francisco, Calif. Material for chillproofing and stabilising malt beverages. 539,100, Mar. 6; Serial No. 596,769, published Dec. 19, 1950. Class 6.
Anchor Plastics Co., Inc.: *See*—
Fisch, Richard A.
"Anchor Plastics Company, Inc.": *See*—
Fisch, Richard A.
Angier Chemical Co., Inc., assignee: *See*—
Angier Chemical Company.
Angier Chemical Company, assignor, by mesne assignments, to Angier Chemical Co., Inc., Boston, Mass. Therapeutic agent. 539,048, Mar. 6; Serial No. 591,763, published Nov. 14, 1950. Class 18.
Ansbacher, A. B., & Company, Inc., by Ansbacher-Siegle Corporation, New York, N. Y. Dry paints, water paste paints, and paint and varnish pigments. 134,571–2, Sept. 14, 1920. Republished Mar. 6. Class 16.
Ansbacher-Siegle Corporation: *See*—
Ansbacher, A. B., & Company, Inc.
Ansbacher-Siegle Corporation, New York, N. Y. Coloring matter for cosmetic materials. 435,109, Dec. 9, 1947. Republished Mar. 6. Class 51.
Anticich Canning Company, Inc., Biloxi, Miss. Canned shrimp. 538,822, Mar. 6; Serial No. 510,470, published Mar. 15, 1949. Class 46.
Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Cereal binder. 538,928, Mar. 6; Serial No. 573,519, published June 20, 1950. Class 5.
Archie Comic Publications, Inc., New York, N. Y. Magazines. 433,030, Sept. 23, 1947. Republished Mar. 6. Class 38.
Archie Comic Publications, Inc., New York, N. Y. Magazines. 435,411, Dec. 23, 1947. Republished Mar. 6. Class 38.
Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Cosmetic creams, lotions, etc. 279,960, renewed Feb. 10, 1951. O. G. Mar. 6. Class 51.
Arden, Elizabeth, Sales Corporation: *See*—
Arden, Elizabeth, Inc.
Argonaut Enterprises, Inc., Sag Harbor, N. Y. Decks of playing cards. 538,998, Mar. 6; Serial No. 586,784, published Dec. 12, 1950. Class 22.
Arkansas Company Inc., Newark, N. J. Accelerant to accelerate action of sulphuric acid. 538,861, Mar. 6; Serial No. 555,980, published Feb. 7, 1950. Class 6.
Armour and Company, Chicago, Ill. Hams and bacon. 538,838, Mar. 6; Serial No. 540,141, published Nov. 14, 1950. Class 46.
Armour and Company, doing business as Armour Sandpaper Works, Chicago, Ill. Coated abrasive products. 538,841, Mar. 6; Serial No. 540,963, published Dec. 5, 1950. Class 4.
Armour Sandpaper Works: *See*—
Armour and Company.
Armstrong Paint & Varnish Works, Chicago, Ill. ly mixed paints. 538,840, Mar. 6; Serial No. 540, 2, published Dec. 12, 1950. Class 16.
Arwell, Inc., Waukegan, Ill. Preparation used for general cleaning and removing grease. 538,902, Mar. 6; Serial No. 567,673, published Dec. 5, 1950. Class 52.
Asiatic Petroleum Company, Limited, The, London, England, to Shell Oil Company, New York, N. Y. Insecticides. 281,366, renewed Mar. 17, 1951. O. G. Mar. 6. Class 6.
Askin, Sara A., Philadelphia, Pa. Antiseptic composition. 538,948, Mar. 6; Serial No. 577,989, published Nov. 7, 1950. Class 18.
Associated Merchandising Corporation, The, to The Associated Merchandising Corporation, New York, N. Y. Laundry washing machines. 283,168, renewed May 19, 1951. O. G. Mar. 6. Class 24.
Athol Manufacturing Company, Athol, Mass. Fibre base composed of wood and/or cotton. 539,094, Mar. 6; Serial No. 595,240, published Nov. 21, 1950. Class 50.
Atlantic Fabrics Co.: *See*—
Swarts, Mark A.
Automatic Devices, Inc., St. Louis, Mo. Scaffolds, roller units, and roller stands. 538,846, Mar. 6; Serial No. 544,315, published Nov. 28, 1950. Class 50.
Automatic Fire Control Co.: *See*—
Mathis, Howard D.
Automatic Freezer Company, Cincinnati, Ohio. Machines and equipment for the manufacture of ice cream. 538,973, Mar. 6; Serial No. 581,929, published Oct. 17, 1950. Class 31.
Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Sulphanilamide-methyl-thiodiasole. 539,044, Mar. 6; Serial No. 591,396, published Nov. 7, 1950. Class 18.
Baar, Rudolf, Inc., New York, N. Y. Woolen piece goods. 538,965, Mar. 6; Serial No. 580,454, published Nov. 28, 1950. Class 42.
Bamberger Broadcasting Service Incorporated: *See*—
General Teleradio, Inc.
Bankers Trust Company, New York, N. Y. Banking and trust services. 539,109, Mar. 6; Serial No. 591,713, published Dec. 19, 1950. Class 102.
Barbecue Jake, Inc., Belleville, Ill. Horseradish, barbecue sauce, and senf gurken. 539,012, Mar. 6; Serial No. 587,999, published Dec. 19, 1950. Class 46.
Barcley Corset Company, Newark, N. J. Dresses, slips, nightgowns, and panties. 539,117, Mar. 6; Serial No. 562,904. Class 39.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 539,000, Mar. 6; Serial No. 587,006, published Nov. 28, 1950. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 539,141, Mar. 6; Serial No. 592,694. Class 42.
Becton Dickinson and Company, East Rutherford, N. J. Clinical thermometers, hypodermic syringes, hypodermic needles, etc. 538,978, Mar. 6; Serial No. 583,334, published Nov. 14, 1950. Class 44.
Beir, Arthur, & Co., Inc., New York, N. Y. Textile piece goods. 538,904, Mar. 6; Serial No. 569,665, published Nov. 28, 1950. Class 42.
Belknap Hardware and Manufacturing Company, Louisville, Ky. Coaster wagons, children's velocipedes, toy pistol holsters, etc. 538,955, Mar. 6; Serial No. 579,070, published Nov. 7, 1950. Class 22.
Belmont Burlap Bag Company, Philadelphia, Pa. Burlap bags. 539,140, Mar. 6; Serial No. 592,186. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. 538,828, Mar. 6. Coated fabric bags, Serial No. 558,846, published Oct. 3, 1950, Class 2; Coated fabrics, Serial No. 526, 891, published Aug. 31, 1948, Class 42. (Consolidated certificate, Classes 2 and 42.)
Benisch Brothers: *See*—
Benisch Brothers, Inc.
Benisch Brothers, Inc., to Benisch Brothers, Brooklyn, N. Y. Burial vaults. 277,266, renewed Nov. 11, 1950. O. G. Mar. 6. Class 2.
Benson-Buckman Co., New Orleans, La. Men's suits and trousers. 538,905, Mar. 6; Serial No. 570,088, published Oct. 31, 1950. Class 39.
Bethlehem Silk Company, The, New York, N. Y. Ribbons of velvet, taffeta, grosgrain, moire, etc. 538,982, Mar. 6; Serial No. 584,607, published Nov. 28, 1950. Class 42.
Better Products Machine Company, Lynchburg, Va. Machine for cutting bread, cake, pies, etc. 282,878, renewed May 5, 1951. O. G. Mar. 6. Class 23.
Blackburn Aircraft Limited, by Blackburn and General Aircraft Limited, Brough, England. Aircraft engines. 361,422, Oct. 18, 1938. Republished Mar. 6. Class 23.
Blackburn and General Aircraft Limited: *See*—
Blackburn Aircraft Limited.
Bonck, J. H., Co., to J. H. Bonck Company, Inc., New Orleans, La. Dress shirts for men and boys. 278,168, renewed Dec. 9, 1950. O. G. Mar. 6. Class 39.
Bonck, J. H., Company, Inc.: *See*—
Bonck, J. H., Co.
Borcherdt Malt Extract Company, Chicago, Ill. Medicine comprising a combination of methenamine, sodium benzoate, etc. 539,065, Mar. 6; Serial No. 592,866, published Nov. 28, 1950. Class 18.

Botany Mills, Inc., Passaic, N. J. Wool protein, plasticizers, protective colloids. 538,994, Mar. 6; Serial No. 586,586, published Dec. 19, 1950. Class 6.

Bourjois, Inc., New York, N. Y. Eau de cologne. 539,120, Mar. 6; Serial No. 566,496. Class 51.

Boyle, John, & Company, Incorporated, New York, N. Y. Awning fabrics. 539,003, Mar. 6; Serial No. 587,240, published Nov. 28, 1950. Class 42.

Bradley, Milton, Company, Springfield, Mass. Artists' finger paints. 538,889, Mar. 6; Serial No. 565,064, published Dec. 12, 1950. Class 16.

Bragno & Company: *See*—
Bragno and Mustari.

Bragno, Francesco: *See*—
Bragno and Mustari.

Bragno and Mustari, to Francesco Bragno, doing business as Bragno & Company, Chicago, Ill. Olive oil. 79,813, re-renewed Oct. 11, 1950. O. G. Mar. 6. Class 46.

Breck, John H., Inc., Springfield, Mass. Hair shampoo cream. 538,888, Mar. 6; Serial No. 564,709, published Nov. 14, 1950. Class 52.

Bristol Laboratories Inc., Syracuse, N. Y. Penicillin compound. 538,931, Mar. 6; Serial No. 573,867, published May 2, 1950. Class 18.

Bristol Manufacturing Corporation, Bristol, R. I. Shoes. 539,134, Mar. 6; Serial No. 590,643. Class 39.

Bristol-Myers Company, New York, N. Y. Preparation for the care and treatment of the hair and scalp. 538,825, Mar. 6; Serial No. 520,608, published Dec. 5, 1950. Class 18.

Bronston Hat Company, Plainfield, N. J. Waterproof hats. 538,909, Mar. 6; Serial No. 570,764, published Oct. 31, 1950. Class 39.

Browne, E. T., Drug Company Inc., New York, N. Y. Medicinal and toilet soap. 296,319, Aug. 2, 1932. Republished Mar. 6. Class 52.

Browne, E. T., Drug Company Inc., New York, N. Y. Medicinal and toilet soap. 305,091, Aug. 1, 1933. Republished Mar. 6. Class 52.

Browne, E. T., Drug Company Inc., New York, N. Y. Ointment and whitening cream. 305,601, Aug. 22, 1933. Republished Mar. 6. Class 51.

Browne, E. T., Drug Company Inc., New York, N. Y. Ointment, 305,635, Aug. 22, 1933. Republished Mar. 6. Class 18.

Bryon Weston Company, Dalton, Mass. Writing paper. 539,112, Mar. 6; Serial No. 541,056. Class 37.

Buffalo Forge Company, Buffalo, N. Y. Power-driven heating and ventilating fans and parts thereof. 282,481, renewed Apr. 21, 1951. O. G. Mar. 6. Class 34.

Bulova Watch Company, Inc., New York, N. Y. Watches. 539,097–8. Mar. 6; Serial Nos. 595,821–2, published Dec. 19, 1950. Class 27.

Byron Hat Corporation, New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats for men. 283,097, renewed May 19, 1951. O. G. Mar. 6. Class 39.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black as a pigment in inks. 539,056, Mar. 6; Serial No. 592,301, published Nov. 28, 1950. Class 11.

Calavo Growers of California, Los Angeles, Calif. Avocado oil used in the preparation of cosmetics, perfumes, rouges, etc. 538,877, Mar. 6; Serial No. 560,966, published Nov. 28, 1950. Class 51.

Calico Printers' Association Limited, The, Manchester, England. Piece goods. 538,986, Mar. 6; Serial No. 585,367, published Nov. 21, 1950. Class 42.

Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Tube, capillary tube, commercial tube, etc. 538,835, Mar. 6; Serial No. 536,674, published Dec. 12, 1950. Class 13.

Carbofreser Research Corporation, San Francisco, Calif. Dry ice type refrigerating units. 538,881, Mar. 6; Serial No. 562,121, published Oct. 31, 1950. Class 31.

Castro, Adolfo N., New York, N. Y. Facial soap. 539,045, Mar. 6; Serial No. 591,402, published Dec. 5, 1950. Class 52.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic chemicals. 538,937, Mar. 6; Serial No. 575,847, published Dec. 12, 1950. Class 6.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photomechanical and photoengraving supplies. 538,940, Mar. 6; Serial No. 576,519, published Nov. 28, 1950. Class 11.

Chicago Bridge & Iron Company, Chicago, Ill. Water storage tanks. 539,136, Mar. 6; Serial No. 590,782. Class 2.

Ciba Limited, Basel, Switzerland. Medicinal rubefacient. 538,915; Mar. 6; Serial No. 572,020, published Dec. 5, 1950. Class 18.

Clark-Hutchinson Company, Boston, Mass., to International Shoe Co., St. Louis, Mo. Cloth, canvas, leather, and rubber boots and shoes. 81,200, re-renewed Mar. 14, 1951. O. G. Mar. 6. Class 39.

Clarke, Eric G., doing business as Eric G. Clarke and Company, Portland, Oreg. Word building game. 538,961, Mar. 6; Serial No. 579,804, published Nov. 14, 1950. Class 22.

Clarke, Eric G., and Company: *See*—
Clarke, Eric G.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters and their structural parts. 277,982, renewed Dec. 2, 1950. O. G. Mar. 6. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters; hot-water heating systems, etc. 277,996, renewed Dec. 2, 1950. O. G. Mar. 6. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters; hot-water heating systems, etc. 278,018–20, renewed Dec. 2, 1950. O. G. Mar. 6. Class 34.

Climadel Co., Inc., New York, N. Y. Cod-liver-oil preparation. 279,325, renewed Jan. 13, 1951. O. G. Mar. 6. Class 18.

Clow, James B., & Sons, Chicago, Ill. Pedestal drinking fountains. 538,900. Mar. 6; Serial No. 566,971, published Dec. 12, 1950. Class 13.

Coast Manufacturing & Supply Company, Livermore, Calif. Coated and uncoated fabrics. 538,985, Mar. 6; Serial No. 585,014, published Nov. 28, 1950. Class 42.

Coat Conformers, Inc., New York, N. Y. Garment hangers. 539,014, Mar. 6; Serial No. 588,427, published Nov. 14, 1950. Class 50.

Coffman, R. G., Co. Inc., The, Orlando, Fla. Railings, porch posts, brackets, etc. 538,968, Mar. 6; Serial No. 579,481, published Nov. 28, 1950. Class 12.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Suds-ing cleaner, cleanser and detergent. 539,041, Mar. 6; Serial No. 591,146, published Dec. 5, 1950. Class 52.

Colonial Mills, Inc., New York, N. Y., now by change of name Robbins Mills, Inc. Piece goods. 538,956, Mar. 6; Serial No. 579,265, published Nov. 28, 1950. Class 42.

Colorado Milling & Elevator Co., The, Denver, doing business as The Lamar Flour Mills, Lamar, Colo. Wheat flour. 538,953, Mar. 6; Serial No. 551,233, published Mar. 7, 1950. Class 46.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven woolen and worsted cloths, etc. 538,878, Mar. 6; Serial No. 561,381, published Nov. 21, 1950. Class 42.

Cordo-Hyde Company, Brockton, to United Shoe Machinery Corporation, Boston, Mass. Shoe-trees and forms. 280,974, renewed Mar. 3, 1951. O. G. Mar. 6. Class 50.

Cortrim Lumber Company: *See*—
Spiegle, Ralph G.

Crestwood Products Co. Inc., Syracuse, N. Y. Clocks. 539,095, Mar. 6; Serial No. 595,806, published Dec. 19, 1950. Class 27.

Crookes Laboratories, Inc., New York, N. Y. Pharmaceutical combination. 539,043, Mar. 6; Serial No. 591,335, published Nov. 7, 1950. Class 18.

Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures. 539,046, Mar. 6; Serial No. 591,406, published Nov. 21, 1950. Class 50.

Cudahy Packing Company, The, Chicago, Ill. Soap. 538,845, Mar. 6; Serial No. 558,350, published Nov. 28, 1950. Class 52.

Cudahy Packing Company, The, Chicago, Ill. Wax. 538,866, Mar. 6; Serial No. 558,371, published Dec. 5, 1950. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Oleomargarine. 539,121, Mar. 6; Serial No. 587,553. Class 46.

Dainty Maid, Inc.: *See*—
Mon Docteur Importing Co., Inc.

Debruille, Alexandre, New York, N. Y. Preparation used in the treatment of anaemia, chronic alcoholism, etc. 539,093, Mar. 6; Serial No. 594,957, published Dec. 19, 1950. Class 18.

Deckmann, Richard W., Pittsburgh, Pa. Concentrated flavoring extract. 538,966, Mar. 6; Serial No. 580,649, published Dec. 12, 1950. Class 46.

Dell, Samuel M., & Co., Incorporated, Baltimore, Md. Paint brushes and varnish brushes. 538,936, Mar. 6; Serial No. 575,464, published Dec. 12, 1950. Class 29.

Delta Sales Co.: *See*—
Kenyon, George D.

Detrex Corporation, Detroit, Mich. Dry cleaning solvents, metal cleaning solvents, alkali cleaners, etc. 538,851, Mar. 6; Serial No. 546,965, published June 7, 1949. Class 52.

Dishmaster Corporation: *See*—
NuTone, Incorporated.

Drake Bakeries Incorporated, Brooklyn, N. Y. Cake. 538,824, Mar. 6; Serial No. 520,447, published Nov. 14, 1950. Class 46.

Drew, E. F., & Co., Inc., New York, N. Y. Composition of gums, sugars and salt. 539,128, Mar. 6; Serial No. 588,206. Class 46.

Driver-Harris Company: *See*—
Driver-Harris Wire Co.

Driver-Harris Wire Co., to Driver-Harris Company, Harrison, N. J. Metal plates, metal strips and uninsulated metal wire. 81,796, re-renewed May 9, 1951. O. G. Mar. 6. Class 14.

Drug Specialties, Incorporated, Winston-Salem, N. C. Medical preparation. 538,926, Mar. 6; Serial No. 573,172, published Dec. 5, 1950. Class 18.

Dubied, Edouard, & Cie. Société Anonyme: *See*—
Dubied, Edouard, & Co., and Aux Isles.

Dubied, Edouard, & Co., Couvet, and Aux Isles, to Edouard Dubied & Cie. Société Anonyme, Couvet, Switzerland. Valves, and valve fitttings. 78,499, re-renewed June 21, 1950. O. G. Mar. 6. Class 13.

Du Cor Company, Los Angeles, Calif. Wooden carving tray. 539,122, Mar. 6; Serial No. 567,568. Class 2.

Duframe Specialty Company, Chicago, Ill. Anal inserts. 538,885, Mar. 6; Serial No. 563,668, published Dec. 5, 1950. Class 44.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic drying oils and mixtures. 538,981, Mar. 6; Serial No. 564,442, published Dec. 19, 1950. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Methacrylato chromic chloride used as a bonding agent and adhesive. 539,062, Mar. 6; Serial No. 592,554, published Nov. 7, 1950. Class 5.

Durma Products Co., Minneapolis, Minn. Preparation to be applied to the gums of teething babies. 539,060, Mar. 6; Serial No. 592,483, published Nov. 28, 1950. Class 18.

Eastman Kodak Company, Flemington, N. J. and Rochester, N. Y. Photographic chemicals. 538,957, Mar. 6; Serial No. 579,403, published Dec. 19, 1950. Class 6.

Edeam Screw Machine Products, Maple Shade, N. J. Lawn and garden rotary sprinkler. 538,847, Mar. 6; Serial No. 544,433, published Dec. 12, 1950. Class 13.

Edwards, Austin, Limited, Warwick, England. Photographic films. 81,061, re-renewed Feb. 28, 1951. O. G. Mar. 6. Class 26.

Endo Products Inc., Richmond Hill, N. Y. Medicine. 538,867, Mar. 6; Serial No. 558,377, published June 28, 1949. Class 18.

Endo Products Inc., Richmond Hill, N. Y. General analgesic. 539,030–1, Mar. 6; Serial Nos. 590,077–8, published Dec. 5, 1950. Class 18.

F & F Laboratories, Inc.: *See*—
Organ-Iron Laboratories.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber bands and erasers. 280,845, renewed Mar. 3, 1951. O. G. Mar. 6. Class 37.

Fal Dells Products Co.: *See*—
Wilson, Willis.

Fickett-Brown Manufacturing Company, Atlanta, Ga. Mops, mop heads, brooms. 538,942, Mar. 6; Serial No. 576,910, published Nov. 28, 1950. Class 29.

Fisch, Richard A., doing business as "Anchor Plastics Company, Inc.," assignor to Anchor Plastics Co., Inc., New York, N. Y. Narrow belting, stripping, tape and tubing. 444,432, Mar. 6; Serial No. 517,841, published Nov. 28, 1950. Class 1.

Flagg, Stanley G., & Co. Inc., Philadelphia, Pa. Metal pipe fittings. 539,050, Mar. 6; Serial No. 592,139, published Dec. 12, 1950. Class 13.

Fletcher, Sol, Inc., New York, N. Y. Boys' suits and coats. 539,047, Mar. 6; Serial No. 591,672, published Nov. 28, 1950. Class 39.

Florence Art Co.: *See*—
Lerman, Abraham P.

Forest City Manufacturing Company, St. Louis, Mo. Outer wearing apparel for women and girls. 283,150, renewed May 19, 1951. O. G. Mar. 6. Class 39.

Forman, Ford and Co., Minneapolis, Minn. Petroleum paint thinner and paint brush cleaner. 538,830, Mar. 6; Serial No. 528,930, published Feb. 17, 1948. Class 16.

Fox, G., & Co. Inc., Hartford, Conn. Trunks, valises, satchels, etc. 275,996, renewed Oct. 7, 1950. O. G. Mar. 6. Class 3.

Fox, G., & Co. Inc., Hartford, Conn. Necklaces, finger rings, and bracelets. 277,163, renewed Nov. 11, 1950. O. G. Mar. 6. Class 28.

Fox, G., & Co. Inc., Hartford, Conn. Clothes patterns. 277,324, renewed Nov. 11, 1950. O. G. Mar. 6. Class 26.

Franklin Research Company, Philadelphia, Pa. Floor wax. 538,879, Mar. 6; Serial No. 561,916, published Dec. 5, 1950. Class 16.

Freddies Doughnuts, Inc.: *See*—
Maier, Fred, Jr.

Furlow Distributing Co., Amarillo, Tex. Combination cleansing and skin cream. 539,127, Mar. 6; Serial No. 587,326. Class 51.

Gallia Laboratories, Inc., New York, N. Y. Cerebral stimulant. 539,037, Mar. 6; Serial No. 591,027, published Oct. 31, 1950. Class 18.

Gamble-Skogmo, Inc., Minneapolis, Minn. Household electric refrigerators, refrigerated storage lockers, etc. 538,960, Mar. 6; Serial No. 580,882, published Dec. 12, 1950. Class 31.

Garratt-Callahan Co. of Illinois, Chicago, Ill. Soot and carbon scale removing chemical preparation. 538,831, Mar. 6; Serial No. 531,659, published Nov. 28, 1950. Class 52.

Garratt-Callahan Co. of Illinois, Chicago, Ill. Boiler cleaning compounds. 538,832, Mar. 6; Serial No. 531,660, published Nov. 28, 1950. Class 52.

Garratt-Callahan Co. of Illinois, Chicago, Ill. Rust eradicator preparation. 538,833, Mar. 6; Serial No. 531,661, published Nov. 28, 1950. Class 52.

Gaston Manufacturing Company: *See*—
Gaston, Raymond C.

Gaston, Raymond C., doing business as Gaston Manufacturing Company, Cincinnati, Ohio. Child's pull toys. 538,984, Mar. 6; Serial No. 584,862, published Nov. 7, 1950. Class 22.

General Coffee Company: *See*—
General Grocer Company.

General Grocer Company, also trading as General Coffee Company, St. Louis, Mo. Coffee. 538,836, Mar. 6; Serial No. 538,272, published Nov. 14, 1950. Class 46.

General Ice Cream Corporation, Schenectady, N. Y. Milk products. 273,714, renewed Aug. 12, 1950. O. G. Mar. 6. Class 46.

General Motors Corporation, Detroit, Mich. Developing and supervising program. 539,103, Mar. 6; Serial No. 536,075, published Dec. 12, 1950. Class 107.

General Scientific Equipment Company: *See*—
Kline, Maurice.

General Teleradio, Inc., Carteret, N. J., by change of name from Ramberger Broadcasting Service Incorporated. Weather reporting services. 539,105, Mar. 6; Serial No. 557,243, published Oct. 31, 1950. Class 104.

Geyer, John A., doing business as John Arthur Geyer Co., Plymouth, N. H. Drug product. 539,027, Mar. 6; Serial No. 589,897, published Oct. 24, 1950. Class 18.

Geyer, John Arthur, Co.: *See*—
Geyer, John A.

Gift-O-Greeting Co.: *See*—
Janklow, Leonard E.

Gilbert & Bennett Mfg. Co., The, Georgetown, Conn. Wire cloth, wire netting, etc. 538,842, Mar. 6; Serial No. 541,535, published Dec. 12, 1950. Class 13.

Gillette Safety Razor Company, assignee: *See*—
Probak Corporation.

Glidden Company, The, Cleveland, Ohio. Brazing paste. 538,975, Mar. 6; Serial No. 582,908, published Dec. 19, 1950. Class 6.

Goldblatt Bros. Inc., Chicago, Ill. Aspirin, boric acid, camphorated oil, etc. 538,874, Mar. 6; Serial No. 560,332, published Nov. 21, 1950. Class 18.

Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. 538,913, Mar. 6; Serial No. 571,527, published Nov. 28, 1950. Class 42.

Goodall-Sanford, Inc., Sanford, Maine. Fabrics. 538,920, Mar. 6; Serial No. 572,561, published Nov. 28, 1950. Class 42.

Goodrich, B. F., Company, The: *See*—
Hood Rubber Company, Inc.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. Paint enamel. 538,939, Mar. 6; Serial No. 576,201, published Dec. 12, 1950. Class 16.

Greenbaum, Charles, doing business as Thera-Plast Co., New York, N. Y. Deformable putty-like material. 539,075, Mar. 6; Serial No. 593,724, published Nov. 14, 1950. Class 44.

Greengard's Vanity Shop, Brooklyn, to Parfums Blanchard, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 280,909, renewed Mar. 3, 1951. O. G. Mar. 6. Class 51.

H & B Manufacturing Co. Inc., Baltimore, Md. Chairs, sofas, kitchen tables, etc. 539,135, Mar. 6; Serial No. 590,660. Class 32.

Hanover Canning Company, Hanover, Pa. Canned vegetables. 539,087, Mar. 6; Serial No. 594,542, published Dec. 12, 1950. Class 46.

Harper, H. M., Company, The, Morton Grove, Ill. Threaded bolts, nuts, screws, etc. 539,018, Mar. 6; Serial No. 589,258, published Dec. 12, 1950. Class 13.

Hartford Steel Ball Company, The, Hartford, to The Hartford Steel Ball Company, West Hartford, Conn. Metallic burnishing elements. 279,369, renewed Jan. 13, 1951. O. G. Mar. 6. Class 23.

Haspel Brothers, Inc., New Orleans, La. Men's clothing. 538,844, Mar. 6; Serial No. 542,731, published Nov. 7, 1950. Class 39.

Hat Corporation of America: *See*—
Byron Hat Corporation.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, T. H., to Hawaiian Tuna Packers, Limited, Honolulu, T. H. Canned pineapple. 275,683, renewed Sept. 30, 1950. O. G. Mar. 6. Class 46.

Hawaiian Tuna Packers, Limited: *See*—
Hawaiian Pineapple Company, Ltd.

Hayes, William L., Atlantic City, N. J. Astringents, astringent cerates, bleach creams, etc. 278,015, renewed Dec. 2, 1950. O. G. Mar. 6. Class 51.

Hecht Company, The, Washington, D. C. Boys' clothing. 538,854, Mar. 6; Serial No. 552,389, published Nov. 7, 1950. Class 39.

Heintz Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical baths, etc. 538,949, Mar. 6; Serial No. 578,501, published Dec. 19, 1950. Class 6.

Herz Manufacturing Corporation, New York, N. Y. Toothpicks. 538,895–6, Mar. 6; Serial No. 566,147–8, published Dec. 19, 1950. Class 44.

Hickey-Freeman Company, Rochester, N. Y. Men's topcoats and overcoats. 538,837, Mar. 6; Serial No. 538,911, published Nov. 7, 1950. Class 39.

Hildebrandt, Hiram H., doing business as The John J. Hildebrandt Co., Logansport, Ind. Artificial fish bait. 538,945, Mar. 6; Serial No. 577,670, published Nov. 21, 1950. Class 22.

Hildebrandt, John J., Co., The: *See*—
Hildebrandt, Hiram H.

Hile-Damroth, Inc., New York, N. Y. Visual presentation materials. 538,925, Mar. 6; Serial No. 572,974, published Dec. 5, 1950. Class 50.

Hodell Chain Company, The, assignor to The National Screw and Manufacturing Company, Cleveland, Ohio. Wire chain in coils, porch-swing chains, hammock-chains, and pump-chains. 538,848, Mar. 6; Serial No. 544,575, published Dec. 12, 1950. Class 13.

Hollandia Importing Company: *See*—
Van Der Eems, John.

Hollymade Hardware Mfg. Co., Los Angeles, Calif. 538,855, Mar. 6. Builders' and cabinet hardware, Serial No. 582,308, published Aug. 1, 1950, Class 13; Locks, latches, and locking bolts, Serial No. 552,657, published Aug. 29, 1950, Class 25. (Consolidated certificate, Classes 13 and 25.)

Hood Rubber Company, Inc., Watertown, Mass., to The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Rubber boots and shoes, rubber overshoes, and rubber-soled canvas shoes. 283,210, renewed May 19, 1951. O. G. Mar. 6. Class 39.

Hopkins, J. L., & Co., New York, N. Y. Raw ground henna. 538,857, Mar. 1; Serial No. 554,568, published Nov. 28, 1950. Class 51.

Houdaille-Hershey Corporation, Detroit, Mich. Household refrigerator evaporators, household refrigerator condensers; household refrigerator liquid receivers, etc. 538,893, Mar. 6; Serial No. 565,874, published Oct. 17, 1950. Class 31.

Hudson Pulp and Paper Corp., New York, N. Y. Gummed tape and paper. 538,943, Mar. 6; Serial No. 577,189, published Nov. 7, 1950. Class 5.

Indera Mills Company, Winston-Salem, N. C. Bathing suits, ladies', children's, and misses' knitted and woven slips, etc. 538,850, Mar. 6; Serial No. 545,852, published Dec. 12, 1950. Class 39.

Industrial Filter & Pump Mfg. Co., Chicago, Ill. Fibrous precoating filter material. 539,024, Mar. 6; Serial No. 589,788, published Oct. 31, 1950. Class 31.

Interchemical Corporation, New York, N. Y. Carbon paper. 538,977, Mar. 6; Serial No. 583,135, published Dec. 19, 1950. Class 11.

Interchemical Corporation, New York, N. Y. Carbon paper. 538,987, Mar. 6; Serial No. 585,477, published Dec. 5, 1950. Class 11.

Interchemical Corporation, New York, N. Y. Intaglio ink, news ink, lithographic ink, etc. 539,068, Mar. 6; Serial No. 593,072, published Dec. 5, 1950. Class 11.

International Shoe Co.: *See*—
Clark-Hutchinson Company.

Irwin, Neisler & Company, Decatur, Ill. Pharmaceutical tablet. 539,038, Mar. 6; Serial No. 591,086, published Oct. 31, 1950. Class 18.

Izetta Doll Manufacturing Company, Inc., San Francisco, Calif. Dolls. 538,992, Mar. 6; Serial No. 586,001, published Nov. 7, 1950. Class 22.

Janklow, Leonard E., doing business as Gift-O-Greeting Co., New York, N. Y. Greeting cards. 539,130, Mar. 6; Serial No. 589,157. Class 38.

Jay Gee Hat Co., Inc., assignee: *See*—
Abish, Hyman.

Johnson & Johnson, New Brunswick, N. J. Splints and bandages. 526,580, June 20, 1950. Amended. O. G. Mar. 6. Class 44.

Jolly Ranchor, The, Golden, Colo. Candies and frozen desserts. 539,091, Mar. 6; Serial No. 594,845, published Dec. 19, 1950. Class 46.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metal structural shapes. 538,922, Mar. 6; Serial No. 572,667, published Nov. 14, 1950. Class 12.

Jung Arch Brace Co., assignor to Jung Products Inc., Cincinnati, Ohio. Corn plasters, callous and bunion plasters, etc. 538,932, Mar. 6; Serial No. 574,038, published Nov. 14, 1950. Class 44.

Jung Products Inc., assignee: *See*—
Jung Arch Brace Co.

K-D Manufacturing Company, assignee: *See*—
Shapiro, Elias.

Kats Drug Company, Kansas City, Mo. Tincture of green soap; boric acid crystals and powder, etc. 538,907, Mar. 6; Serial No. 570,209, published Nov. 28, 1950. Class 51.

Kaw Dehydrating Company, assignor to Kaw Dehydrating Company, Topeka, Kans. Ingredients of feeds. 538,979, Mar. 6; Serial No. 583,400, published Dec. 19, 1950. Class 46.

Kellogg Switchboard and Supply Company, Chicago, Ill. Subscribers' telephone sets, operators' telephone sets, etc. 279,167, renewed Jan. 6, 1951. O. G. Mar. 6. Class 21.

Kemper, Morton L., doing business under the name of Lee Metal Products, Baltimore, Md. Metal wardrobes, metal Utility cabinets and metal kitchen base units. 539,132, Mar. 6; Serial No. 589,216. Class 32.

Kenyon, George D., doing business as Delta Sales Co., Williamson, N. Y. to Delta Sales Co., Delta, Pa. Seed corn. 279,045, renewed Jan. 6, 1951. O. G. Mar. 6. Class 1.

Kepec Chemical Corporation, Milwaukee, Wis. Coloring and finishing material, in powder and in liquid form, for use on leather, paper, and textiles. 539,051, Mar. 6; Serial No. 592,151, published Dec. 19, 1950. Class 6.

Keystone Color Works, Inc., York, Pa. Wall paper pulp colors in the nature of chemical pigments. 539,073, Mar. 6; Serial No. 593,669, published Dec. 19, 1950. Class 6.

King David Feed Company: *See*—
Stocker, Joseph P.

Kline, Maurice, doing business as General Scientific Equipment Company, Philadelphia, Pa. Safety devices. 538,899, Mar. 6; Serial No. 586,620, Published Dec. 5, 1950. Class 44.

Kold-Hold Manufacturing Company, Lansing, Mich. Refrigeration truck bodies, cold rooms, etc. 538,929, Mar. 6; Serial No. 573,661, published Oct. 17, 1950. Class 31.

Kolynos Company, The, New Haven, Conn., to Whitehall Pharmacal Company, New York, N. Y. Toilet preparations and cosmetics. 279,149, renewed Jan. 6, 1951. O. G. Mar. 6. Class 51.

Kotake Company, Limited, Honolulu, Territory of Hawaii. Playing cards. 539,022, Mar. 6; Serial No. 589,451, published Nov. 7, 1950. Class 22.

Krauss, Jenny, Roscommon, Mich. Bells. 538,988, Mar. 6; Serial No. 585,479, published Dec. 12, 1950. Class 13.

Lamar Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Lee Metal Products: *See*—
Kemper, Morton L.

Lenora Dress Company: *See*—
Stern, Melville.

Lerman, Abraham P., doing business as Florence Art Co., Chicago, Ill. Plaster of Paris and terra cotta novelties. 538,983, Mar. 6; Serial No. 584,819, published Dec. 5, 1950. Class 50.

Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 282,795, renewed May 5, 1951. O. G. Mar. 6. Class 39.

Lexington Manufacturing Company: *See*—
Lexington Shirt Corporation, Inc.

Lexington Shirt Corporation, Inc., by Lexington Manufacturing Company, Lexington, N. C. Work, negligee, and dress shirts. 336,208, June 30, 1936. Republished Mar. 6. Class 39.

Linett Formal Clothing Co. Inc., New York, N. Y. Men's jackets and lightweight suits. 539,138, Mar. 6; Serial No. 591,093. Class 39.

Lipmatch Company Ltd., The, assignee: *See*—
Lipmatch Company, The.

Lipmatch Company, The, assignor to The Lipmatch Company Ltd., Montreal, Quebec, Canada. Lip make-up. 538,933, Mar. 6; Serial No. 574,041, published Nov. 14, 1950. Class 51.

Lipp, J. J., Paper Company, Chicago, Ill. Corrugated paper. 539,123, Mar. 6; Serial No. 579,333. Class 37.

Los Angeles Brush Mfg. Corp., Los Angeles, Calif. Brushes. 538,914, Mar. 6; Serial No. 571,562, published Dec. 12, 1950. Class 29.

Lydia Cotton Mills, Clinton, S. C. Piece goods. 538,927, Mar. 6; Serial No. 573,376, published Nov. 28, 1950. Class 42.

Lyons Fertiliser Company, Tampa, Fla. Agricultural fertiliser. 539,126, Mar. 6; Serial No. 586,558. Class 10.

MacDermid Incorporated, Waterbury, Conn. Dry acid salt. 538,962, Mar. 6; Serial No. 579,824, published Dec. 19, 1950. Class 6.

Magnesium Products Corporation, New York, N. Y. Ladders. 538,873, Mar. 6; Serial No. 559,523, published Nov. 28, 1950. Class 50.

Mahogany Importing Company, Los Angeles, Calif. Dark red Philippine mahogany. 538,894, Mar. 6; Serial No. 566,042, published Nov. 28, 1950. Class 12.

Maier, Fred, Jr., to Freddies Doughnuts, Inc., Buffalo, N. Y. Doughnuts. 278,089, renewed Dec. 2, 1950. O. G. Mar. 6. Class 46.

Maintenance Inc., Wooster, Ohio. Surface coating material. 538,944, Mar. 6; Serial No. 577,392, published Nov. 14, 1950. Class 12.

Manges, Simon, & Son, Inc., New York, N. Y. Textile carpets and rugs. 538,996–7, Mar. 6; Serial Nos. 586,697–8, published Nov. 28, 1950. Class 42.

Markwell Manufacturing Company, Inc., New York, N. Y. Machine applied and cohered staples. 538,868, Mar. 6; Serial No. 558,495, published Dec. 12, 1950. Class 13.

Martin, C. J.: *See*—
Martin, C. J., and Sons, Inc.

Martin, C. J., by C. J. Martin and Sons, Inc., Austin, Tex. Worm-exterminator. 131,549, May 18, 1920. Republished Mar. 6. Class 6.

Martin, C. J., & Sons, by C. J. Martin and Sons, Inc., Austin, Tex. Insecticides. 85,152, Jan. 30, 1912. Republished Mar. 6. Class 6.

Martin, C. J., & Sons, Inc., by C. J. Martin and Sons, Inc., Austin, Tex. Chemical preparation. 390,079, Sept. 9, 1941. Republished Mar. 6. Class 6.

Martin C. J., and Sons, Inc.: *See*—
Martin, C. J., & Sons.
Martin, C. J., & Sons, Inc.

Mathis, Howard D., doing business as Automatic Fire Control Co., St. Louis, Mo. Fire fighting chemicals. 538,859, Mar. 6; Serial No. 555,421, published Dec. 19, 1950. Class 6.

Maura, Joseph I., doing business under the name Maura's, New York, N. Y. Liniments. 539,026, Mar. 6; Serial No. 589,863, published Dec. 5, 1950. Class 18.

Maura's: *See*—
Maura, Joseph I.

McCandless, Wayne N., Pontiac, Mich. Liquid floor wax. 539,110, Mar. 6; Serial No. 518,842. Class 16.

McCracken Machine Works, Portland, Oreg. Combination air and vacuum relief valves. 539,059, Mar. 6; Serial No. 592,433, published Dec. 12, 1950. Class 13.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Medicinal and pharmaceutical preparations. 539,069, Mar. 6; Serial No. 593,076, published Nov. 28, 1950. Class 18.

Merit Clothing Company, Mayfield, Ky. Men's suits. 539,009, Mar. 6; Serial No. 587,900, published Oct. 31, 1950. Class 39.

Michaels, Stern & Company, Incorporated, Rochester, N. Y. Men's and boys' suits. 539,142, Mar. 6; Serial No. 594,912. Class 39.

Mid-Continent Stores, Inc.: *See*—
Vogue Shops, The.

Middleby, Joseph, Jr. Inc., Boston, Mass. Bicarbonate soda, glycerine, etc. 538,858, Mar. 6; Serial No. 554,994, published Dec. 5, 1950. Class 6.

Miller, Jessie, Co., Inc., New York, N. Y. Brassières. 539,131, Mar. 6; Serial No. 589,164. Class 39.

Milsek Chemical Co., Youngstown, Ohio. Polish preparation. 539,023, Mar. 6; Serial No. 589,459, published Nov. 7, 1950. Class 4.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pilot valve adapted to be used to control the operation of a refrigeration expansion valve. 538,843, Mar. 6; Serial No. 542,623, published Oct. 31, 1950. Class 31.

Mon Docteur Importing Co., Inc., to Dainty Maid, Inc., Middlefield, Conn. Medication for antiseptic purposes. 272,464, renewed July 8, 1950. O. G. Mar. 6. Class 18.

Mon Docteur Importing Co., Inc., to Dainty Maid, Inc., Middlefield, Conn. Vaginal syringes and douche bags. 272,576, renewed July 8, 1950. O. G. Mar. 6. Class 44.

Moore-Robbins Publishing Company, Inc., New York, N. Y. Magazine section and a printed publication. 539,119, Mar. 6; Serial No. 565,952. Class 38.

Mooresville Mills, Inc., Mooresville, N. C. All rayon fabric. 538,993, Mar. 6; Serial No. 586,297, published Nov. 28, 1950. Class 42.

Muralo Company, Inc., The: *See*—
American Cement Paint Company, The.

National Screw and Manufacturing Company, The, assignee: *See*—
Hodell Chain Company, The.

National Secretaries Association, The, Kansas City, Mo. Periodical. 539,118, Mar. 6; Serial No. 565,076. Class 38.

New York Hat & Cap Co.: *See*—
Abish, Hyman.

Nissen, John P., Jr., Company, Glenside, Pa. Marking inks, etc. 539,066, Mar. 6; Serial No. 593,011, published Nov. 28, 1950. Class 11.

Nopco Chemical Company, Harrison, N. J. Yarn lubricant. 539,085, Mar. 6; Serial No. 593,995, published Dec. 19, 1950. Class 6.

Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. 539,137, Mar. 6; Serial No. 590,858. Class 38.

Nordenbrock, Henry J., Springdale, Ark. Poultry feeders. 538,964, Mar. 6; Serial No. 580,853, published Dec. 5, 1950. Class 50.

Nox-Rust Chemical Corporation, Chicago, Ill. Paste-like material. 538,901, Mar. 6; Serial No. 567,467, published Dec. 5, 1950. Class 16.

Nu-Enamel Corporation, Chicago, Ill. Paint enamels. 539,116, Mar. 6; Serial No. 561,481. Class 16.

Nu-Tone, Incorporated, to Dishmaster Corporation, Pontiac, Mich. Hydraulic dishwashing machines. 406,702, Apr. 18, 1944. New certificate. O. G. Mar. 6. Class 23.

Ohio Injector Company, The, Wadsworth, Ohio. Globe-valves, angle-valves, swing check-valves, and parts of such valves. 81,903, re-renewed May 16, 1951. O. G. Mar. 6. Class 13.

Ohio Injector Company, The, Wadsworth, Ohio. Valves. 283,154–5, renewed May 19, 1951. O. G. Mar. 6. Class 13.

Old Black Joe Co., Hohenwald, Tenn. Canned vegetables. 539,088, Mar. 6; Serial No. 594,570, published Dec. 12, 1950. Class 46.

Organ-Iron Laboratories, Omaha, Nebr., by F & F Laboratories, Inc., Chicago, Ill. Throat lozenges. 246,040, Aug. 28, 1928. Republished Mar. 6. Class 18.

Organon Inc., Orange, N. J. Medicinal preparation. 539,053–5, Mar. 6; Serial Nos. 592,277–9, published Nov. 21, 1950. Class 18.

Owens-Illinois Glass Company, Toledo, Ohio. Towel bars. 538,891, Mar. 6; Serial No. 565,804, published Nov. 7, 1950. Class 13.

Pacific Mills, New York, N. Y., and Boston, Mass. Woolen fabrics in the piece. 538,968, Mar. 6; Serial No. 580,743, published Nov. 28, 1950. Class 42.

Pan American Products, Inc., Springfield Gardens, N. Y. Plaques, statuettes, and figurines adaptable for the removal of odors, etc. 538,980, Mar. 6; Serial No. 583,409, published Dec. 19, 1950. Class 6.

Parfums Blanchard: *See*—
Greengard's Vanity Shop.

Patou, Jean, Inc.: *See*—
Societe Anonyme Jean Patou.

Patrol Valve Company, The, Cleveland, Ohio. Gas-range-burner ignition and control devices. 277,993, renewed Dec. 2, 1950. O. G. Mar. 6. Class 34.

Pedigree Fabrics, Inc., New York, N. Y. Woven fabric. 539,002, Mar. 6; Serial No. 587,131, published Nov. 28, 1950. Class 42.

Penney, Camelia, Inc., Palm Beach, Fla. Cosmetics. 538,826, Mar. 6; Serial No. 520,858, published Oct. 24, 1950. Class 51.

Pennington, Lacy K., Fremont, Mich. Portable and adjustable scaffolds. 538,872, Mar. 6; Serial No. 559,118, published Dec. 5, 1950. Class 50.

Pennsylvania Rubber Company, Jeannette, Pa. Play balls. 539,063, Mar. 6; Serial No. 592,576, published Dec. 12, 1950. Class 22.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Lye. 539,089, Mar. 6; Serial No. 594,607, published Dec. 19, 1950. Class 6.

Percival, D. C., & Company, Incorporated, Boston, Mass. Watches, watch cases, watch parts, etc. 539,090, Mar. 6; Serial No. 594,658, published Dec. 19, 1950. Class 27.

Perfect Circle Corporation, Hagerstown, Ind. Advertising novelty. 539,071, Mar. 6; Serial No. 593,368, published Dec. 5, 1950. Class 50.

Permanente Cement Company, Oakland, Calif. Building cement. 539,007, Mar. 6; Serial No. 587,593, published Nov. 14, 1950. Class 12.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 539,076, Mar. 6; Serial No. 593,815, published Dec. 12, 1950. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 539,077–8, Mar. 6; Serial Nos. 593,817–18, published Dec. 12, 1950. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Aqueous antibiotic preparation. 539,079, Mar. 6; Serial No. 593,819, published Dec. 12, 1950. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 539,080, Mar. 6; Serial No. 593,820, published Dec. 12, 1950. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 539,081, Mar. 6; Serial No. 593,824, published Dec. 12, 1950. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 539,083, Mar. 6; Serial No. 593,931, published Dec. 12, 1950. Class 18.

Picturette Greeting Card Corp., Corona, N. Y. Greeting cards. 539,139, Mar. 6; Serial No. 591,950. Class 38.

Planters Nut and Chocolate Company, Wilkes-Barre, Pa. Salted shelled peanuts, potato chips, candied and buttered pop corn, etc. 538,882, Mar. 6; Serial No. 562,220, published Nov. 14, 1950. Class 46.

Plasticap, Inc., Dallas, Tex. Plastic shower caps. 539,124, Mar. 6; Serial No. 583,945. Class 39.

Plee-Zing, Inc.: *See*—
Simmons, George W., Corporation.

Pontiac Company, Newark, to Gemex Company, Union, N. J. Watch bracelets, watch straps; watch attachments. 277,905, renewed Dec. 2, 1950. O. G. Mar. 6. Class 28.

Pope Foundation, Inc., The, Chicago, Ill. Orthopedic braces. 538,839, Mar. 6; Serial No. 540,202, published Dec. 5, 1950. Class 44.

Prentis Clothes Corp., New York, N. Y. Men's and boys' trousers and slacks. 539,025, Mar. 6; Serial No. 589,802, published Oct. 31, 1950. Class 39.

Probak Corporation, New York, N. Y., assignor to Gillette Safety Razor Company, to Gillette Safety Razor Company, Boston, Mass. Razor blades and safety razors. 279,305, renewed Jan. 13, 1951. O. G. Mar. 6. Class 23.

Produits Chimiques de Liege, S. P. R. L. Bois-de-Breux, near Liege, Belgium. Writing and drawing inks, pad ink, carbon paper, etc. 538,845, Mar. 6; Serial No. 543,224, published Dec. 5, 1950. Class 11.

Protection Products Company, Angola, N. Y. Liquid preparation comprising lanolin dispersed in a vehicle of petroleum base solvent and applicable to metal surfaces. 539,115, Mar. 6; Serial No. 559,943. Class 16.

Publishers Book Bindery, Inc., Cambridge, Mass. Boxes. 539,125, Mar. 6; Serial No. 584,923. Class 2.

Pure Oil Company, The, Chicago, Ill. Automobile inner-tube cold patching cement; automobile gasket cement; etc. 538,884, Mar. 6; Serial No. 563,365, published Nov. 7, 1950. Class 5.

Quaker Oats Company, The, Chicago, Ill. Furfural residue. 539,064, Mar. 6; Serial No. 592,664, published Dec. 5, 1950. Class 1.

Rainwater, Inc., New York and Rye, N. Y. Hair rinse. 539,070, Mar. 6; Serial No. 593,242, published Oct. 31, 1950. Class 51.

Rand Pharmaceutical Co., Inc., Albany, N. Y. Medicinal preparation. 538,946, Mar. 6; Serial No. 577,901, published May 30, 1950. Class 18.

Rattlelite Corp., New York, N. Y. Toy rattles. 539,005, Mar. 6; Serial No. 587,399, published Nov. 14, 1950. Class 22.

Reeves Brothers, Inc., New York, N. Y. Piece goods. 539,101, Mar. 6; Serial No. 597,095, published Nov. 21, 1950. Class 42.

Reichhold Chemicals, Inc., Detroit, Mich. Styrenated glycerol phthalate resin solutions. 538,890, Mar. 6; Serial No. 565,578, published Dec. 19, 1950. Class 6.

Resinous Products & Chemical Company, The, to Rohm & Haas Company, Philadelphia, Pa. Synthetic resin. 281,845, renewed Mar. 31, 1951. O. G. Mar. 6. Class 6.

Respro, Inc., Cranston, R. I. Artificial leather. 280,658, renewed Feb. 24, 1951. O. G. Mar. 6. Class 50.

Richards, Harper, Chicago, Ill. Child's collapsible toilet seat. 539,017, Mar. 6; Serial No. 588,969, published Oct. 17, 1950. Class 13.

Richards, Wesley J., doing business as Wesley J. Richards Pharmaceutical Specialties, Santa Monica, Calif. Dental powder and mouth rinse. 538,918, Mar. 6; Serial No. 572,207, published Oct. 31, 1950. Class 51.

Richards, Wesley J., Pharmaceutical Specialties: *See*—
Richards, Wesley J.

Richardson, Sid, Carbon Co., Fort Worth, Tex. Carbon black. 539,133, Mar. 6; Serial No. 589,679. Class 6.

Richgrove-Jasmine Citrus Association, Delano and Richgrove, Calif. Fresh citrus fruits. 539,114, Mar. 6; Serial No. 559,732. Class 46.

Robbins Mills, Inc.: *See*—
Colonial Mills, Inc.

Robins, G. S., & Company, St. Louis, Mo. Deodorising and disinfecting preparation. 280,303, renewed Feb. 10, 1951. O. G. Mar. 6. Class 6.

Rockwell-Barnes Company, Chicago, Ill. Writing paper. 282,149, renewed Apr. 14, 1951. O. G. Mar. 6. Class 37.

Rogers Peet Company, New York, N. Y. Men's and boys' hats. 538,923, Mar. 6; Serial No. 572,772, published Oct. 31, 1950. Class 39.

Rohm & Haas Company: *See*—
Resinous Products & Chemical Company, The.

Rombro Brothers Inc., Baltimore, Md. Men's and boys' work shirts. 538,906, Mar. 6; Serial No. 570,122, published Mar. 7, 1950. Class 39.

Root Elastic Fabrics, Inc., New York, N. Y. Elastic girdles and supporters both for surgical use. 538,910, Mar. 6; Serial No. 570,793, published Dec. 5, 1950. Class 44.

Rorer, William H., Inc., Philadelphia, Pa. Lotion for use in the treatment of poison ivy dermatitis. 539,061, Mar. 6; Serial No. 592,519, published Nov. 28, 1950. Class 18.

Rose, Jay, New York, N. Y. Electric clocks. 538,869, Mar. 6; Serial No. 558,511, published Dec. 12, 1950. Class 27.

Rose, Mike, Nashville, Tenn. Roquefort cheese dressing. 539,020, Mar. 6; Serial No. 589,335, published Dec. 12, 1950. Class 46.

Ross, Theo., doing business as Theo. Ross Associates, Los Angeles, Calif. Preparation for use as a germicide, disinfectant, deodorant, and sterilizing agent. 538,938, Mar. 6; Serial No. 575,930, published Nov. 21, 1950. Class 6.

Ross, Theo., Associates: *See*—
Ross, Theo.

Sandos Chemical Works, Inc., New York, N. Y. Medicinal preparations. 283,344, renewed May 26, 1951. O. G. Mar. 6. Class 18.

Sandos Chemical Works, Inc., New York, N. Y. Medicinal preparations. 283,346, renewed May 26, 1951. O. G. Mar. 6. Class 18.

Sargent-Gerke Co., The, Indianapolis, Ind. Ready-mixed prepared interior and exterior paints, etc. 538,856, Mar. 6; Serial No. 553,025, published Dec. 5, 1950. Class 16.

Schenley Laboratories, Inc., New York, N. Y. Chemotherapeutic agent. 539,057–8, Mar. 6; Serial Nos. 592,392–3, published Nov. 21, 1950. Class 18.

Schering Corporation, Bloomfield, N. J. Mixture of sulfonamide drugs. 538,898, Mar. 6; Serial No. 566,478, published Nov. 28, 1950. Class 18.

Schieffelin & Co., New York, N. Y. Dietary supplement. 539,021, Mar. 6; Serial No. 589,396, published Dec. 5, 1950. Class 18.

Schnefel Bros. Corporation: *See*—
Schnefel Brothers, Inc.

Schnefel Brothers, Inc., to Schnefel Bros. Corporation, Newark, N. J. Tweezers: house scissors, etc. 282,014, renewed Apr. 7, 1951. O. G. Mar. 6. Class 23.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 538,883, Mar. 6; Serial No. 563,222, published Dec. 19, 1950. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Antiseptic mouth wash. 538,849, Mar. 6; Serial No. 544,777, published Oct. 31, 1950. Class 18.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 538,970, Mar. 6; Serial No. 581,023, published Nov. 28, 1950. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Pocket and wrist watches. 539,099, Mar. 6; Serial No. 596,198, published Dec. 19, 1950. Class 27.

Sears, Roebuck and Co., Chicago, Ill. Radio and phonograph repairing services. 539,108, Mar. 6; Serial No. 573,207, published Dec. 12, 1950. Class 103.

Security Shoe Supply Co.: *See*—
Weinstein, Leon.

Security Shoe Supply Company: *See*—
Weinstein, Leon.

Sembodja Corporation of New York, New York, N. Y. Merchandise display forms. 539,084, Mar. 6; Serial No. 593,940, published Dec. 5, 1950. Class 50.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Plumbing fittings or parts and associated supplies. 538,820, Mar. 6; Serial No. 505,251, published Dec. 12, 1950. Class 13.

Shaanon, E. Hampton, doing business as Eve Shaanon, New York, N. Y. Perfume, cologne, and toilet water. 538,887, Mar. 6; Serial No. 564,407, published Nov. 14, 1950. Class 51.

Shannon, Eve: *See*—
Shaanon, E. Hampton.

Shannon, John, & Son Limited, Walsall, England. Men's trousers. 539,028, Mar. 6; Serial No. 590,035, published Nov. 28, 1950. Class 39.

Shapiro, Elias, doing business as Alma Industries, Philadelphia, assignor to K-D Manufacturing Company, Lancaster, Pa. Hook. 538,875, Mar. 6; Serial No. 560,841, published Dec. 12, 1950. Class 13.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Hormone preparation. 538,935, Mar. 6; Serial No. 575,299, published Apr. 4, 1950. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Hormone preparation. 538,952, Mar. 6; Serial No. 578,717, published Oct. 24, 1950. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Sulfonamide preparation. 538,989, Mar. 6; Serial No. 585,546, published Dec. 5, 1950. Class 18.

Shell Oil Company: *See*—
Asiatic Petroleum Company, Limited, The.

Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Gasoline and motor lubricating oil. 279,349, renewed Jan. 13, 1951. O. G. Mar. 6. Class 15.

Shirley Fabrics Corp., New York, N. Y. Acetate and rayon fabrics in the piece. 539,102, Mar. 6; Serial No. 597,980, published Nov. 28, 1950. Class 42.

Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 538,934, Mar. 6; Serial No. 575,165, published Nov. 28, 1950. Class 46.

Silson, Victor, trading as Victor Silson Company, New York, N. Y. Telephone support with pad and pencil. 539,111, Mar. 6; Serial No. 520,422. Class 37.

Silson, Victor, Company: *See*—
Silson, Victor.

Simmons, George W., Corporation, New York, N. Y., assignor to George W. Simmons Corporation, to Plee-Zing, Inc., Evanston, Ill. Apple sauce, boned chicken products, butter, etc. 275,382, renewed Sept. 23, 1950. O. G. Mar. 6. Class 46.

Sloane, W. & J., New York, N. Y. Bed spreads, draperies, valances, etc. 538,974, Mar. 6; Serial No. 582,064, published Nov. 28, 1950. Class 42.

Smith, C. G., Products Company, Blytheville, Ark. Liniment. 538,919, Mar. 6; Serial No. 572,383, published Nov. 14, 1950. Class 18.

Smith-Courtney Company, Richmond, Va. Antifriction and bearing metal. 35,586, re-renewed Dec. 11, 1950. O. G. Mar. 6. Class 14.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 539,074, Mar. 6; Serial No. 593,694, published Dec. 12, 1950. Class 18.

Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Vulcanisation accelerators and activators. 538,870, Mar. 6; Serial No. 558,945, published Oct. 31, 1950. Class 6.

Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Vulcanisation accelerators and activators. 538,871, Mar. 6; Serial No. 558,947, published Oct. 31, 1950. Class 6.

Societe Anonyme Jean Patou, Paris, France, to Jean Patou, Inc., New York, N. Y. Perfumes, toilet waters, face powder, etc. 281,636, renewed Mar. 24, 1951. O. G. Mar. 6. Class 51.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chemical compositions. 538,886, Mar. 6; Serial No. 563,796, published Nov. 14, 1950. Class 6.

Southern Athletic Company, Inc., Knoxville, Tenn. Football shoulder pads and hip pads, and blocking and tackling dummies. 539,034, Mar. 6; Serial No. 590,332, published Nov. 14, 1950. Class 22.

Sparling, B. M., Toronto, Ontario, Canada. Medicinal preparation. 539,013, Mar. 6; Serial No. 588,397, published Oct. 24, 1950. Class 18.

Special Milk Products, Inc., Los Angeles, Calif. Specially formulated solution of ferrous sulphate. 538,911, Mar. 6; Serial No. 570,796, published Oct. 31, 1950. Class 18.

Spiegle, Ralph G., doing business as Gortrim Lumber Company, Bristol, Tenn. Lumber of all kinds. 538,880, Mar. 6; Serial No. 561,950, published Nov. 28, 1950. Class 12.

Sporting News Publishing Company, The, St. Louis, Mo. Weekly publication. 319,108, Nov. 13, 1934. Republished Mar. 6. Class 38.

Spratt's Patent (American) Limited, London, England, and Newark, N. J. Dog biscuits. 538,963, Mar. 6; Serial No. 580,168, published Nov. 28, 1950. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. 514,132, Aug. 23, 1949. Corrected. O. G. Mar. 6. Class 6.

Standard Rivet Company, The, South Boston, Mass. Staples, rivets, and spots. 538,823, Mar. 6; Serial No. 518,919, published Dec. 12, 1950. Class 13.

Steel and Tube Products Co., Milwaukee, Wis. Refrigerated milk storage tanks. 538,864, Mar. 6; Serial No. 556,666, published Dec. 5, 1950. Class 31.

Stern, Melville, doing business as Lenora Dress Company, San Francisco, Calif. Bridal dresses. 539,113, Mar. 6; Serial No. 594,438. Class 39.

Stern & Astoria, Inc., New York and Astoria, N. Y. Men's and boys' suits, top coats, sport coats, and rain coats. 538,971, Mar. 6; Serial No. 581,741, published Nov. 14, 1950. Class 39.

Stevens, J. P., & Co., Inc., New York, N. Y. Denim fabrics. 538,897, Mar. 6; Serial No. 566,186, published Nov. 28, 1950. Class 42.

Stocker, Joseph P., doing business as King David Feed Company, Omaha, Nebr. Poultry and farm animal feeds. 538,959, Mar. 6; Serial No. 579,720, published Nov. 28, 1950. Class 46.

Stoddard, G. S., & Co., Inc., New York, N. Y. Diuretic. 538,912, Mar. 6; Serial No. 570,806, published Nov. 28, 1950. Class 18.

Superior Watch Corporation, New York, N. Y. Watches and parts thereof. 539,096, Mar. 6; Serial No. 595,624, published Dec. 19, 1950. Class 27.

Sutliff & Case Co., Inc., Peoria, Ill. Gastric antacid medicinal tablets. 538,953, Mar. 6; Serial No. 578,727, published Dec. 5, 1950. Class 18.

Sutliff & Case Co., Inc., Peoria, Ill. Non-greasy ointment. 538,954, Mar. 6; Serial No. 578,733, published Dec. 5, 1950. Class 18.

Swarts, Mark A., doing business as Atlantic Fabrics Co., Boston, Mass. Fibrous material. 539,006, Mar. 6; Serial No. 587,568, published Nov. 21, 1950. Class 50.

Swedlin, J., Inc., New York, N. Y. Dolls. 538,991, Mar. 6; Serial No. 585,960, published Nov. 7, 1950. Class 22.

Switzer Licorice Company, St. Louis, Mo. Candy. 539,052, Mar. 6; Serial No. 592,170, published Dec. 19, 1950. Class 46.

Texas Associated Laboratories, Inc., Abilene, Tex. Phenobarbital, capsules, etc. 538,860, Mar. 6; Serial No. 555,638, published Nov. 7, 1950. Class 18.

Texas Carbonate Company, Florence, Tex. Powdered amorphous limestone. 538,852, Mar. 6; Serial No. 547,191, published Nov. 28, 1950. Class 6.

Texas Farm Products Company: *See*—
Texas Fertiliser Company.

Texas Fertiliser Company, to Texas Farm Products Company, Nacogdoches, Tex. Fertilisers. 278,243, renewed Dec. 9, 1950. O. G. Mar. 6. Class 10.

Thalmic Incorporated, Baltimore, Md. Ointment. 538,908, Mar. 6; Serial No. 570,523, published Oct. 31, 1950. Class 18.

Thera-Plast Co.: *See*—
Greenbaum, Charles.

Thermal Syndicate Limited, The, Wallsend-on-Thyme, England to The Thermal Syndicate, Limited, New York, N. Y. Articles of fused silica. 78,838, renewed July 12, 1950. O. G. Mar. 6. Class 26.

Thompson, O. E., & Sons, Ypsilanti, Mich. Toy wagons and toy wheelbarrows. 539,001, Mar. 6; Serial No. 587,095, published Nov. 7, 1950. Class 22.

Tilo Roofing Company, Inc., Stratford, Conn. Roofing materials. 538,827, Mar. 6; Serial No. 524,635, published Nov. 14, 1950. Class 12.

Timely Accessories, Inc., New York, N. Y. Collars and cuffs. 538,821, Mar. 6; Serial No. 510,368, published Nov. 14, 1950. Class 39.

Travelers Insurance Company, The, Hartford, Conn. Underwriting life, accident, health, casualty, fire, marine and inland marine insurance, etc. 539,104, Mar. 6; Serial No. 537,636, published Dec. 19, 1950. Class 102.

Troop Water Heater Company, Pittsburgh, Pa. Water purifying and softening apparatus. 538,921, Mar. 6; Serial No. 572,623, published Nov. 28, 1950. Class 31.

Turner & Haws Engineering Co., Inc., West Roxbury, Mass. Dust collectors. 538,976, Mar. 6; Serial No. 582,931, published Oct. 17, 1950. Class 31.

Union Carbide and Carbon Corporation, New York, N. Y. Chlorinated hydrocarbons and derivatives thereof. 538,950, Mar. 6; Serial No. 578,545, published Dec. 19, 1950. Class 6.

Union Wadding Company, Pawtucket, R. I. Filter discs. 539,049, Mar. 6; Serial No. 592,009, published Oct. 31, 1950. Class 31.

United Distillers of America, Inc., New York, N. Y. Antifreeze. 539,086, Mar. 6; Serial No. 594,004, published Dec. 19, 1950. Class 6.

United Shoe Machinery Corporation: *See*—
Cordo-Hyde Company.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 538,892, Mar. 6; Serial No. 565,829, published Dec. 19, 1950. Class 18.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 539,004, Mar. 6; Serial No. 587,296, published Oct. 24, 1950. Class 18.

Van Der Eems, John, doing business as Hollandia Importing Company, Hawthorne, N. J. Medicine for hyperacidity of the stomach. 538,967, Mar. 6; Serial No. 580,652, published Nov. 7, 1950. Class 18.

Vick Chemical Company, New York, N. Y. Cold tablets. 539,039–40, Mar. 6; Serial Nos. 591,130–1, published Nov. 7, 1950. Class 18.

Victor Chemical Works, Chicago, Ill. Monoammonium phosphate, diammonium phosphate and combinations thereof, etc. 538,829, Mar. 6; Serial No. 528,540, published Nov. 14, 1950. Class 6.

Vincennes Packing Corporation, Vincennes, Ind. Canned foods. 538,903, Mar. 6; Serial No. 568,127, published July 18, 1950. Class 46.

Vogue Shops, The, to Mid-Continent Stores, Inc., Kansas City, Mo. Women's dresses, suits, coats, hats, etc. 282,040, renewed Apr. 7, 1951. O. G. Mar. 6. Class 39.

Wade, R. M., & Co., Portland, Oreg. Equipment for irrigation systems. 538,834, Mar. 6; Serial No. 534,574, published Dec. 12, 1950. Class 13.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Improved water soluble multivitamin dietary supplement. 539,010, Mar. 6; Serial No. 587,919, published Dec. 5, 1950. Class 18.

Wallace Pencil Company, Maplewood, Mo. Pencils. 281,477, renewed Mar. 17, 1951. O. G. Mar. 6. Class 37.

Wampole, Henry K., & Company, Incorporated, Philadelphia, Pa. Medicinal iodine preparation. 539,067, Mar. 6; Serial No. 593,032, published Nov. 28, 1950. Class 18.

Weber and Heilbroner, Inc., New York, N. Y. Suits, topcoats, overcoats, etc. 539,019, Mar. 6; Serial No. 589,287, published Nov. 7, 1950. Class 39.

Webrib Steel Corporation, New York, N. Y. Steel concrete reinforcing bars. 538,924, Mar. 6; Serial No. 572,882, published Nov. 14, 1950. Class 12.

Weinstein, Leon, doing business as Security Shoe Supply Co., to Security Shoe Supply Company, St. Louis, Mo. Toe plates, heel plates, metal shanks, etc. 281,372, renewed Mar. 17, 1951. O. G. Mar. 6. Class 13.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. 539,106, Mar. 6; Serial No. 557,811, published Oct. 24, 1950. Class 104.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. 539,107, Mar. 6; Serial No. 561,163, published Oct. 24, 1950. Class 104.

White Swan Uniforms, Inc., New York, N. Y. Nurses' uniforms. 539,029, Mar. 6; Serial No. 590,045, published Nov. 28, 1950. Class 39.

Whitehall Pharmacal Company: *See*—
Kolynos Company, The.

Whitmire Research Laboratories, Inc., St. Louis, Mo. Insect repellent. 539,082, Mar. 6; Serial No. 593,895, published Dec. 19, 1950. Class 6.

Wilbur-Ellis Company, San Francisco, Calif. Canned fish. 539,016, Mar. 6; Serial No. 588,818, published Dec. 5, 1950. Class 46.

Wilson, Willie, doing business at Fai Delis Products Co., Gary, Ind. Hair dressing preparation. 538,960, Mar. 6; Serial No. 579,766, published Nov. 14, 1950. Class 51.

Winkler-Morgenthaler, Inc., Philadelphia, Pa. Electrically operated commercial and industrial refrigeration apparatus. 538,876, Mar. 6; Serial No. 560,852, published Nov. 14, 1950. Class 31.

Winogradow, Alexander, New York, N. Y. Decorated pieces of metal or plastic. 538,947, Mar. 6; Serial No. 577,920, published Nov. 14, 1951. Class 50.

Winsor Manufacturing Company, Woonsocket, R. I. Handkerchiefs. 538,862–3, Mar. 6; Serial Nos. 556,046–7, published May 24, 1949. Class 39.

Winthrop-Stearns Inc., New York, N. Y. Diuretic preparation. 539,035, Mar. 6; Serial No. 590,848, published Oct. 31, 1950. Class 18.

Woodward, Van Lear, & Co., Inc., New York, N. Y. Paper umbrellas. 539,129, Mar. 6; Serial No. 588,726. Class 41.

Weyth Incorporated, Philadelphia, Pa. Medicinal vitamin E preparation. 538,995, Mar. 6; Serial No. 586,611, published Dec. 5, 1950. Class 18.

Young, W. F., Inc., Springfield, Mass. Ointment. 279,015, renewed Jan. 6, 1951. O. G. Mar. 6. Class 18.

Zef Innovations, Inc., New York, N. Y. Brassières. 539,042, Mar. 6; Serial No. 591,212, published Dec. 12, 1950. Class 39.

Zeller, Harry, Inc., New York, N. Y. Textile fabrics in the piece. 539,011, Mar. 6; Serial No. 587,921, published Nov. 28, 1950. Class 42.

Zimmerman Brush Works, Inc., Chicago, Ill. Brooms. 539,092, Mar. 6; Serial No. 594,875, published Dec. 5, 1950. Class 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Belting, stripping, tape and tubing, Narrow. R. A. Fisch. 444,432, Mar. 6; Serial No. 517,841, published Nov. 28, 1950.

Furfural residue. The Quaker Oats Company. 539,064, Mar. 6; Serial No. 592,664, published Dec. 5, 1950.

Seed corn. G. D. Kenyon. 279,045, renewed Jan. 6, 1951. O. G. Mar. 6.

CLASS 2

Bags, Burlap. Belmont Burlap Bag Company. 539,140, Mar. 6; Serial No. 592,186.

Bags, Coated fabric. Bemis Bro. Bag Company. 538,828, Mar. 6; Serial No. 558,846, published Oct. 3, 1950. (Consolidated certificate classes 2 and 42.

Boxes. Publishers Book Bindery, Inc. 539,125, Mar. 6; Serial No. 584,923.

Tanks, Water storage. Chicago Bridge & Iron Company. 539,136, Mar. 6; Serial No. 590,782.

Tray, Wooden carving. Du Cor Company. 539,122, Mar. 6; Serial No. 567,568.

Vaults, Burial. Benisch Brothers, Inc. 277,266, renewed Nov. 11, 1950. O. G. Mar. 6.

CLASS 3

Trunks, valises, satchels, etc. G. Fox & Co. Inc. 275,996, renewed Oct. 7, 1950. O. G. Mar. 6.

CLASS 4

Abrasive products, Coated. Armour and Company. 538,841, Mar. 6; Serial No. 540,963, published Dec. 5, 1950.

Polish preparation. Milsek Chemical Co. 539,023, Mar. 6; Serial No. 589,459, published Nov. 7, 1950.

Sandpaper, abrasive paper, abrasive cloth, etc. The American Floor Surfacing Machine Company. 538,990, Mar. 6; Serial No. 585,778, published Nov. 28, 1950.

Wax. The Cudahy Packing Company. 538,866, Mar. 6; Serial No. 558,371, published Dec. 5, 1950.

CLASS 5

Binder, Cereal. Archer-Daniels-Midland Company. 538,928, Mar. 6; Serial No. 573,519, published June 20, 1950.

Cement, Automobile innertube cold patching, automobile gasket cement; etc. The Pure Oil Company. 538,884, Mar. 6; Serial No. 563,365, published Nov. 7, 1950.

Methacrylate chromic chloride use as a bonding agent and adhesive. E. I. du Pont de Nemours and Company. 539,062, Mar. 6; Serial No. 592,554, published Nov. 7, 1950.

Tape and paper, Gummed. Hudson Pulp and Paper Corp. 538,943, Mar. 6; Serial No. 577,189, published Nov. 7, 1950.

CLASS 6

Accelerant to accelerate action of sulphuric acid. Arkansas Company Inc., 538,861, Mar. 6; Serial No. 555,980, published Feb. 7, 1950.

Accelerators and activators, Vulcanization. Société Anonyme des Terres Décolorantes Françaises Franterre. 538,870, Mar. 6; Serial No. 558,945, published Oct. 31, 1950.

Accelerators and activators, Vulcanization. Société Anonyme des Terres Décolorantes Françaises Franterre. 538,871, Mar. 6; Serial No. 558,947, published Oct. 31, 1950.

Ammonia, bluing, bleach water, etc. American Stores Company. 539,015, Mar. 6; Serial No. 588,543, published Dec. 19, 1950.

Amorphous limestone, Powdered. Texas Carbonate Company. 538,852, Mar. 6; Serial No. 547,191, published Nov. 28, 1950.

Anti-freeze. United Distillers of America, Inc. 539,086, Mar. 6; Serial No. 594,004, published Dec. 19, 1950.

Bicarbonate soda, glycerine, etc. Joseph Middleby, Jr. Inc. 538,858, Mar. 6; Serial No. 554,994, published Dec. 5, 1950.

Brasing paste. The Glidden Company. 538,975, Mar. 6; Serial No. 582,908, published Dec. 19, 1950.

Carbon black. Sid Richardson Carbon Co. 539,133, Mar. 6; Serial No. 589,679.

Chemical baths, etc. Heintz Manufacturing Company. 538,949, Mar. 6; Serial No. 578,501, published Dec. 19, 1950.

Chemical compositions. Socony-Vacuum Oil Company, Incorporated. 538,886, Mar. 6; Serial No. 563,796, published Nov. 14, 1950.

Chemical preparation. C. J. Martin & Sons, Inc. 390,079, Sept. 9, 1941. Republished Mar. 6.

Chemicals, Fire fighting. H. D. Mathis. 538,859, Mar. 6; Serial No. 555,421, published Dec. 19, 1950.

Chemicals, Photographic. Eastman Kodak Company. 538,957, Mar. 6; Serial No. 579,403, published Dec. 19, 1950.

Coloring and finishing material, in powder and in liquid form, for use on leather, paper, and textiles. Kepec Chemical Corporation. 539,051, Mar. 6; Serial No. 592,151, published Dec. 19, 1950.

Deodorizing and disinfecting preparation. G. S. Robins & Company. 280,303, renewed Feb. 10, 1951. O. G. Mar. 6.

Hydrocarbons and derivatives thereof, Chlorinated. Union Carbide and Carbon Corporation. 538,950, Mar. 6; Serial No. 578,545, published Dec. 19, 1950.

Hydrocarbons, Halogenated. Allied Chemical & Dye Corporation. 538,951, Mar. 6; Serial No. 578,672, published Dec. 19, 1950.

Insecticides. The Asiatic Petroleum Company, Limited. 281,366, renewed Mar. 17, 1951. O. G. Mar. 6.

Insecticides. C. J. Martin & Sons. 85,152, Jan. 30, 1912. Republished Mar. 6.

Lye. The Pennsylvania Salt Manufacturing Company. 539,089, Mar. 6; Serial No. 594,607, published Dec. 19, 1950.

Material for chillproofing and stabilizing malt beverages. American Tansul Company. 539,100, Mar. 6; Serial No. 596,769, published Dec. 19, 1950.

Monoammonium phosphate, diammonium phosphate and combinations thereof, etc. Victor Chemical Works. 538,829, Mar. 6; Serial No. 528,540, published Nov. 14, 1950.

Photographic chemicals. Chemco Photoproducts Company, Inc. 538,937, Mar. 6; Serial No. 575,847, published Dec. 12, 1950.

Plaques, statuettes, and figurines adaptable for the removal of odors, etc. Pan American Products, Inc. 538,980, Mar. 6; Serial No. 583,409, published Dec. 19, 1950.

Preparation for use as a germicide, disinfectant, deodorant and sterilising agent. Theo. Ross. 538,938, Mar. 6; Serial No. 575,930, published Nov. 21, 1950.

Protein, Wool, plasticisers, protective colloids. Botany Mills, Inc. 538,994, Mar. 6; Serial No. 586,586, published Dec. 19, 1950.

Pulp colors in the nature of chemical pigments, Wall paper. Keystone Color Works, Inc. 539,073, Mar. 6; Serial No. 593,669, published Dec. 19, 1950.

Repellent, Insect. Whitmire Research Laboratories, Inc. 539,082, Mar. 6; Serial No. 593,895, published Dec. 19, 1950.

Resin solutions, Styrenated glycerol phthalate. Reichhold Chemicals, Inc. 538,890, Mar. 6; Serial No. 565,578, published Dec. 19, 1950.

Salt, Dry acid. MacDermid Incorporated. 538,962, Mar. 6; Serial No. 579,624, published Dec. 19, 1950.

Starch, Laundry. A. E. Staley Manufacturing Company. 514,132, Aug. 23, 1949. Corrected. O. G. Mar. 6.

Synthetic drying oils and mixtures. E. I. du Pont de Nemours and Company. 538,981, Mar. 6; Serial No. 584,442, published Dec. 19, 1950.

Synthetic resin. The Resinous Products & Chemical Company. 281,845, renewed Mar. 31, 1951. O. G. Mar. 6.

Synthetic resins, Industrial. H. L. Acomb. 539,008, Mar. 6; Serial No. 587,617, published Dec. 19, 1950.

Worm-exterminator. C. J. Martin. 131,549, May 18, 1920. Republished Mar. 6.

Yarn lubricant. Nopco Chemical Company. 539,085, Mar. 6; Serial No. 593,995, published Dec. 19, 1950.

CLASS 10

Fertilizer, Agricultural. Lyons Fertilizer Company. 539,126, Mar. 6; Serial No. 586,558.

Fertilizers, Fertilizer Company. 278,243, repewed Dec. 9, 1950. O. G. Mar. 6.

CLASS 11

Carbon black as a pigment in inks. Godfrey L. Cabot, Inc. 539,056, Mar. 6; Serial No. 592,301, published Nov. 28, 1950.

Carbon paper. Interchemical Corporation. 538,977, Mar. 6; Serial No. 583,135, published Dec. 19, 1950.

Carbon paper. Interchemical Corporation. 538,987, Mar. 6; Serial No. 585,477, published Dec. 5, 1950.

Ink, Intaglio, news ink, lithographic ink, etc. Interchemical Corporation. 539,068, Mar. 6; Serial No. 593,072, published Dec. 5, 1950.

Inks, etc., Marking. John P. Nissen, Jr., Company. 539,066, Mar. 6; Serial No. 593,011, published Nov. 28, 1950.

Inks, Writing and drawing, pad ink, carbon paper, etc. Products Chimiques de Liege, S. P. R. L. 538,845, Mar. 6; Serial No. 543,224, published Dec. 5, 1950.

Photomechanical and photoengraving supplies. Chemco Photoproducts Company, Inc. 538,940, Mar. 6; Serial No. 576,519, published Nov. 28, 1950.

CLASS 12

Bars, Steel concrete reinforcing. Webrib Steel Corporation. 538,924, Mar. 6; Serial No. 572,882, published Nov. 14, 1950.

Cement, Building. Permanente Cement Company. 539,007, Mar. 6; Serial No. 587,593, published Nov. 14, 1950.

Coating material, Surface. Maintenance Inc. 538,944, Mar. 6; Serial No. 577,392, published Nov. 14, 1950.

Lumber of all kinds. R. G. Spiegle. 538,880, Mar. 6; Serial No. 561,950, published Nov. 28, 1950.

Mahogany, Dark red Philippine. Mahogany Importing Company. 538,894, Mar. 6; Serial No. 566,042, published Nov. 28, 1950.

Railings, porch posts, brackets, etc. The R. G. Coffman Co. Inc. 538,958, Mar. 6; Serial No. 579,481, published Nov. 28, 1950.

Roofing materials. Tilo Roofing Company, Inc. 538,827, Mar. 6; Serial No. 524,635, published Nov. 14, 1950.

Structural shapes, Metal. Jones & Laughlin Steel Corporation. 538,922, Mar. 6; Serial No. 572,667, published Nov. 14, 1950.

CLASS 13

Bars, Towel. Owens-Illinois Glass Company. 538,891, Mar. 6; Serial No. 565,804, published Nov. 7, 1950.

Bells. J. Krauss. 538,988, Mar. 6; Serial No. 585,479, published Dec. 12, 1950.

Bolts, nuts, screws, etc., Threaded. The H. M. Harper Company. 539,018, Mar. 6; Serial No. 589,258, published Dec. 12, 1950.

Chain in coils, Wire, porch-swing chains, hammock-chains, and pump-chains. The Hodell Chain Company. 538,848, Mar. 6; Serial No. 544,575, published Dec. 12, 1950.

Equipment for irrigation systems. R. M. Wade & Co. 538,834, Mar. 6; Serial No. 534,574, published Dec. 12, 1950.

Fittings or parts and associated supplies, Plumbing. J. A. Sexauer Mfg. Co., Inc. 538,820, Mar. 6; Serial No. 505,251, published Dec. 12, 1950.

Fountains, Pedestal drinking. James B. Clow & Sons. 538,900, Mar. 6; Serial No. 566,971, published Dec. 12, 1950.

Globe-valves, angle-valves, swing check-valves, and parts of such valves. The Ohio Injector Company. 81,903, re-renewed May 16, 1951. O. G. Mar. 6.

Hardware, Builder's and cabinet. Hollymade Hardware Mfg. Co. 538,855. Mar. 6; Serial No. 582,308, published Aug. 1, 1950. (Consolidated certificate, Classes 13 and 25.)

Hook, E. Shapiro. 538,875, Mar. 6; Serial No. 560,841, published Dec. 12, 1950.

Pipe fittings, Metal. Stanley G. Flagg & Co., Inc. 539,050, Mar. 6; Serial No. 592,139, published Dec. 12, 1950.

Plates, Toe, heel plates, metal shanks, etc. L. Weinstein. 281,372, renewed Mar. 17, 1951. O. G. Mar. 6.

Seat, Child's collapsible toilet. H. Richards. 539,017, Mar. 6; Serial No. 588,969, published Oct. 17, 1950.

Sprinkler, Lawn and garden rotary. Edsam Screw Machine Products. 538,847, Mar. 6; Serial No. 544,433, published Dec. 12, 1950.

Staples, Machine applied and cohered. Markwell Manufacturing Company, Inc. 538,868, Mar. 6; Serial No. 538,495, published Dec. 12, 1950.

Staples, rivets, and spots. The Standard Rivet Company. 538,823, Mar. 6; Serial No. 518,919, published Dec. 12, 1950.

Tube, capillary tube, commercial tube, etc. Calumet and Hecla Consolidated Copper Company. 538,835, Mar. 6; Serial No. 536,874, published Dec. 12, 1950.

Valves. The Ohio Injector Company. 283,154–5, renewed May 19, 1951. O. G. Mar. 6.

Valves and valve fittings. Edouard Dubied & Co. 78,499, re-renewed June 21, 1950. O. G. Mar. 6.

Valves, Combination air and vacuum relief. McCracken Machine Works. 539,059, Mar. 6; Serial No. 592,433, published Dec. 12, 1950.

Wire cloth, wire netting, etc. The Gilbert & Bennett Mfg. Co. 538,842, Mar. 6; Serial No. 541,535, published Dec. 12, 1950.

CLASS 14

Metal, Antifriction and bearing. Smith-Courtney Company. 35,586, re-renewed Dec. 11, 1950. O. G. Mar. 6.

Metal plates, metal strips and uninsulated metal wire. Driver-Harris Wire Co. 81,796, re-renewed May 9, 1951. O. G. Mar. 6.

CLASS 15

Oil, Gasoline and motor lubricating. Shell Oil Company. 279,349, renewed Jan. 13, 1951. O. G. Mar. 6.

CLASS 16

Liquid preparation comprising lanolin dispersed in a vehicle of petroleum base solvent and applicable to metal surfaces. Protection Products Company. 539,115, Mar. 6; Serial No. 559,943.

Paint, Dry. The American Cement Paint Company. 278,162, renewed Dec. 9, 1950. O. G. Mar. 6.

Paint enamel. Grand Rapids Varnish Corporation. 538,939 Mar. 6; Serial No. 576,201, published Dec. 12, 1950.

Paint enamels. Nu-Enamel Corporation. 539,116, Mar. 6; Serial No. 561,481.

Paint thinner and paint brush cleaner, Petroleum. Forman, Ford and Co. 538,830, Mar. 6; Serial No. 528,930, published Feb. 17, 1948.

Paints, Artists' finger. Milton Bradley Company. 538,889, Mar. 6; Serial No. 565,064, published Dec. 12, 1950.

Paints, Dry, water paste paints, and paint and varnish pigments. A. B. Ansbacher & Company, Inc. 134,571–2, Sept. 14, 1920. Republished Mar. 6.

Paints, etc., Ready-mixed prepared interior and exterior. The Sargent-Gerke Co. 538,856, Mar. 6; Serial No. 553,025, published Dec. 5, 1950.

Paste-like material. Nox-Rust Chemical Corporation. 538,901, Mar. 6; Serial No. 567,467, published Dec. 5, 1950.

Paints, Ready mixed. Armstrong Paint & Varnish Works. 538,840, Mar. 6; Serial No. 540,612, published Dec. 12, 1950.

Sizing for walls, Painter's. The American Cement Paint Company. 278,161, renewed Dec. 9, 1950. O. G. Mar. 6.

Wax, Floor. Franklin Research Company. 538,879, Mar. 6; Serial No. 561,916, published Dec. 5, 1950.

Wax, Liquid floor. W. N. McCandless. 539,110, Mar. 6; Serial No. 518,842.

CLASS 18

Analgesic, General. Endo Products Inc. 539,030–1, Mar. 6; Serial Nos. 590,077–8, published Dec. 5, 1950.

Antibiotic preparation. Chas. Pfizer & Co., Inc. 539,076, Mar. 6; Serial No. 593,815, published Dec. 12, 1950.

Antibiotic preparation. Chas. Pfizer & Co., Inc. 539,077–8, Mar. 6; Serial Nos. 593,817–18, published Dec. 12, 1950.

Antibiotic preparation. Chas. Pfizer & Co., Inc. 539,080, Mar. 6; Serial No. 593,820, published Dec. 12, 1950.

Antibiotic preparation. Chas. Pfizer & Co., Inc. 539,081, Mar. 6; Serial No. 593,824, published Dec. 12, 1950.

Antibiotic preparation. Chas Pfizer & Co., Inc. 539,083, Mar. 6; Serial No. 593,931, published Dec. 12, 1950.

Antibiotic preparation, Aqueous. Chas. Pfizer & Co., Inc. 539,079, Mar. 6; Serial No. 593,819, published Dec. 12, 1950.

Antiseptic composition. S. A. Askin. 538,948, Mar. 6; Serial No. 577,989, published Nov. 7, 1950.

Aspirin, boric acid, camphorated oil, etc. Goldblatt Bros. Inc. 538,874, Mar. 6; Serial No. 560,332, published Nov. 21, 1950.

Chemo-therapeutic agent. Schenley Laboratories, Inc. 539,057–8, Mar. 6; Serial Nos. 592,392–3, published Nov. 21, 1950.

Cod-liver-oil preparation. Clinadol Co., Inc. 279,325, renewed Jan. 13, 1951. O. G. Mar. 6.

Cold tablets. Vick Chemical Company. 539,039–40, Mar. 6; Serial Nos. 591,130–1, published Nov. 7, 1950.

Dietary supplement. Schieffelin & Co. 539,021, Mar. 6; Serial No. 589,396, published Dec. 5, 1950.

Dietary supplement, Improved water soluble multivitamin. Walker Vitamin Products, Inc. 539,010, Mar. 6; Serial No. 587,919, published Dec. 5, 1950.

Diuretic. G. S. Stoddard & Co., Inc. 538,912, Mar. 6; Serial No. 570,806, published Nov. 28, 1950.

Diuretic preparation. Winthrop-Stearns Inc. 539,035, Mar. 6; Serial No. 590,848, published Oct. 31, 1950.

Drug product. J. A. Geyer. 539,027, Mar. 6; Serial No. 589,897, published Oct. 24, 1950.

Hormone preparation. Sharp & Dohme, Incorporated. 538,935, Mar. 6; Serial No. 575,299, published Apr. 4, 1950.

Hormone preparation. Sharp & Dohme, Incorporated. 538,952, Mar. 6; Serial No. 578,717, published Oct. 24, 1950.

Iodine preparation, Medicinal. Henry K. Wampole & Company, Incorporated. 539,067, Mar. 6; Serial No. 593,032, published Nov. 28, 1950.

Liniment. C. G. Smith Products Company. 538,919, Mar. 6; Serial No. 572,383, published Nov. 14, 1950.

Liniments. J. I. Maura. 539,026, Mar. 6; Serial No. 589,863, published Dec. 5, 1950.

Lotion for use in the treatment of poison ivy dermatitis. William H. Rorer, Inc. 539,061, Mar. 6; Serial No. 592,519, published Nov. 28, 1950.

Lozenges, Throat. Organ-Iron Laboratories. 246,040, Aug. 28, 1928. Republished Mar. 6.

Medical preparation. Drug Specialties, Incorporated. 538,926, Mar. 6; Serial No. 573,172, published Dec. 5, 1950.

Medication for antiseptic purposes. Mon Docteur Importing Co., Inc. 272,464, renewed July 8, 1950. O. G. Mar. 6.

Medicinal and pharmaceutical preparations. McNeil Laboratories, Incorporated. 539,069, Mar. 6; Serial No. 593,076, published Nov. 28, 1950.

Medicinal preparation. Organon Inc. 539,053–5, Mar. 6; Serial Nos. 592,277–9, published Nov. 21, 1950.

Medicinal preparation. Rand Pharmaceutical Co., Inc. 538,946, Mar. 6; Serial No. 577,901, published May 30, 1950.

Medicinal preparation. Smith, Kline & French Laboratories. 539,074, Mar. 6; Serial No. 593,694, published Dec. 12, 1950.
Medicinal preparation. B. M. Sparling. 539,013, Mar. 6; Serial No. 588,397, published Oct. 24, 1950.
Medicinal preparation. The Upjohn Company. 538,892, Mar. 6; Serial No. 565,629, published Dec. 19, 1950.
Medicinal preparation. The Upjohn Company. 539,004, Mar. 6; Serial No. 587,296, published Oct. 24, 1950.
Medicinal preparations. Sandoz Chemical Works, Inc. 283,344, renewed May 26, 1951. O. G. Mar. 6.
Medicinal preparations. Sandoz Chemical Works, Inc. 283,346, renewed May 26, 1951. O. G. Mar. 6.
Medicinal rubefacient. Ciba Limited. 538,915, Mar. 6; Serial No. 572,020, published Dec. 5, 1950.
Medicinal tablets, Gastric antacid. Sutliff & Case Co., Inc. 538,953, Mar. 6; Serial No. 578,727, published Dec. 5, 1950.
Medicine. Endo Products, Inc. 538,867, Mar. 6; Serial No. 558,377, published June 28, 1949.
Medicine comprising a combination of methenamine, sodium benzoate, etc. Borcherdt Malt Extract Company. 539,065, Mar. 6; Serial No. 592,866, published Nov. 28, 1950.
Medicine for hyperacidity of the stomach. J. Van Der Eems. 538,967, Mar. 6; Serial No. 580,652, published Nov. 7, 1950.
Mixture of sulfonamide drugs. Schering Corporation. 538,898, Mar. 6; Serial No. 566,478, published Nov. 28, 1950.
Mouth wash, Antiseptic. Sears, Roebuck and Co. 538,849, Mar. 6; Serial No. 544,777, published Oct. 31, 1950.
Ointment. E. T. Browne Drug Company Inc. 305,635, Aug. 22, 1933. Republished Mar. 6.
Ointment. Thalmic Incorporated. 538,908, Mar. 6; Serial No. 570,523, published Oct. 31, 1950.
Ointment. W. F. Young, Inc. 279,015, renewed Jan. 6, 1951. O. G. Mar. 6.
Ointment, Non-greasy. Sutliff & Case Co., Inc. 538,954, Mar. 6; Serial No. 578,733, published Dec. 5, 1950.
Penicillin compound. Bristol Laboratories Inc. 538,931, Mar. 6; Serial No. 573,867, published May 2, 1950.
Pharmaceutical combination. Crookes Laboratories, Inc. 539,043, Mar. 6; Serial No. 591,335, published Nov. 7, 1950.
Pharmaceutical preparations. Ablin Limited. 539,072, Mar. 6; Serial No. 593,641, published Dec. 12, 1950.
Pharmaceutical tablet. Irwin, Neisler & Company. 539,038, Mar. 6; Serial No. 591,086, published Oct. 31, 1950.
Phenobarbital, capsules, etc. Texas Associated Laboratories, Inc. 538,860, Mar. 6; Serial No. 555,638, published Nov. 7, 1950.
Preparation for the care and treatment of the hair and scalp. Bristol-Myers Company. 538,825, Mar. 6; Serial No. 520,608, published Dec. 5, 1950.
Preparation to be applied to the gums of teething babies. Durma Products Co. 539,060, Mar. 6; Serial No. 592,483, published Nov. 28, 1950.
Preparation used in the treatment of anemia, chronic alcoholism, etc. A. Debruille. 539,093, Mar. 6; Serial No. 594,957, published Dec. 19, 1950.
Preparations containing a combination of bacterins or vaccines. American Cyanamid Company. 538,930, Mar. 6; Serial No. 573,862, published Dec. 5, 1950.
Solution of ferrous sulphate, Specially formulated. Special Milk Products, Inc. 538,911, Mar. 6; Serial No. 570,796, published Oct. 31, 1950.
Stimulant, Cerebral. Gallia Laboratories, Inc. 539,037, Mar. 6; Serial No. 591,027, published Oct. 31, 1950.
Sulfonamide preparation. Sharp & Dohme, Incorporated. 538,989, Mar. 6; Serial No. 585,546, published Dec. 5, 1950.
Sulphanilamide-methyl-thiodiazole. Ayerst, McKenna & Harrison Limited. 539,044, Mar. 6; Serial No. 591,396, published Nov. 7, 1950.
Therapeutic agent. Augier Chemical Company. 539,048, Mar. 6; Serial No. 591,763, published Nov. 14, 1950.
Thiouracil preparations. American Cyanamid Company. 538,972, Mar. 6; Serial No. 581,924, published July 18, 1950.
Vitamin E preparation, Medicinal. Wyeth Incorporated. 538,995, Mar. 6; Serial No. 586,611, published Dec. 5, 1950.

CLASS 21

Telephone sets, Subscribers', operators' telephone sets, etc. Kellogg Switchboard and Supply Company. 279,167, renewed Jan. 6, 1951. O. G. Mar. 6.

CLASS 22

Balls, Play. Pennsylvania Rubber Company. 539,063, Mar. 6; Serial No. 592,576, published Dec. 12, 1950.
Dolls. Isetta Doll Manufacturing Company, Inc. 538,992, Mar. 6; Serial No. 586,001, published Nov. 7, 1950.
Dolls. J. Swedlin, Inc. 538,991, Mar. 6; Serial No. 585,960, published Nov. 7, 1950.
Fish bait, Artificial. H. H. Hildebrandt. 538,945, Mar. 6; Serial No. 577,670, published Nov. 21, 1950.
Football shoulder pads and hip pads, and blocking and tackling dummies. Southern Athletic Company, Inc. 539,034, Mar. 6; Serial No. 590,332, published Nov. 14, 1950.
Game, Word building. E. G. Clarke. 538,961, Mar. 6; Serial No. 579,804, published Nov. 14, 1950.
Playing cards. Kotake Company, Limited. 539,022, Mar. 6; Serial No. 589,451, published Nov. 7, 1950.
Playing cards, Decks of. Argonaut Enterprises, Inc. 538,998, Mar. 6; Serial No. 586,784, published Dec. 12, 1950.
Sand boxes and play pools, etc., Children's. American Metal Specialties Corp. 539,036, Mar. 6; Serial No. 590,926, published Nov. 14, 1950.
Toy rattles. Rattlelite Corp. 539,005, Mar. 6; Serial No. 587,399, published Nov. 14, 1950.
Toy wagons and toy wheelbarrows. O. E. Thompson & Sons. 539,001, Mar. 6; Serial No. 587,095, published Nov. 7, 1950.
Toys, Child's pull. R. C. Gaston. 538,984, Mar. 6; Serial No. 584,862, published Nov. 7, 1950.
Wagons, Coaster, children's velocipedes, toy pistol holsters, etc. Belknap Hardware and Manufacturing Company. 538,955, Mar. 6; Serial No. 579,070, published Nov. 7, 1950.

CLASS 23

Blades, Razor, and safety razors. Probak Corporation. 279,305, renewed Jan. 13, 1951. O. G. Mar. 6.
Dishwashing machines, Hydraulic. NuTone, Incorporated. 406,702, Apr. 16, 1944. New certificate. O. G. Mar. 6.
Engines, Aircraft. Blackburn Aircraft Limited. 361,422, Oct. 18, 1938. Republished Mar. 6.
Machine for cutting bread, cake, pies, etc. Better Products Machine Company. 282,878, renewed May 5, 1951. O. G. Mar. 6.
Metallic burnishing elements. The Hartford Steel Ball Company. 279,369, renewed Jan. 13, 1951. O. G. Mar. 6.
Tweezers; house scissors, etc. Schnefel Brothers, Inc. 282,014, renewed Apr. 7, 1951. O. G. Mar. 6.

CLASS 24

Washing machines, Laundry. The Associated Merchandising Corporation. 283,168, renewed May 19, 1951. O. G. Mar. 6.

CLASS 25

Locks, latches, and locking bolts. Hollymade Hardware Mfg. Co. 538,855, Mar. 6; Serial No. 552,657, published Aug. 29, 1950. (Consolidated certificate, Classes 13 and 25.)

CLASS 26

Articles of fused silica. The Thermal Syndicate Limited. 78,838, re-renewed July 12, 1950. O. G. Mar. 6.
Films, Photographic. Austin Edwards Limited. 81,061, re-renewed Feb. 28, 1951. O. G. Mar. 6.
Patterns, Clothes. G. Fox & Co. Inc. 277,324, renewed Nov. 11, 1950. O. G. Mar. 6.

CLASS 27

Clocks. Crestwood Products Co. Inc. 539,095, Mar. 6; Serial No. 595,308, published Dec. 19, 1950.
Clocks, Electric. J. Rose. 538,869, Mar. 6; Serial No. 558,511, published Dec. 12, 1950.
Watches. Bulova Watch Company, Inc. 539,097–8, Mar. 6; Serial Nos. 595,821–2, published Dec. 19, 1950.
Watches and parts thereof. Superior Watch Corporation. 539,096, Mar. 6; Serial No. 595,624, published Dec. 19, 1950.
Watches, Pocket and wrist. Sears, Roebuck and Co. 539,099, Mar. 6; Serial No. 596,198, published Dec. 19, 1950.
Watches, watch cases, watch parts, etc. D. C. Percival & Company, Incorporated. 539,090, Mar. 6; Serial No. 594,658, published Dec. 19, 1950.

CLASS 28

Bracelets, Watch, watch straps; watch attachments. Pontiac Company. 277,905, renewed Dec. 2, 1950. O. G. Mar. 6.
Necklaces, finger rings, and bracelets. G. Fox & Co. Inc. 277,163, renewed Nov. 11, 1950. O. G. Mar. 6.

CLASS 29

Brooms. Zimmerman Brush Works, Inc. 539,092, Mar. 6; Serial No. 594,875, published Dec. 5, 1950.
Brushes. Los Angeles Brush Mfg. Corp. 538,914, Mar. 6; Serial No. 571,582, published Dec. 12, 1950.
Brushes, Paint, and varnish brushes. Samuel M. Dell & Co., Incorporated. 538,936, Mar. 6; Serial No. 575,464, published Dec. 12, 1950.
Brushes, Shaving. American Safety Razor Corporation. 539,032, Mar. 6; Serial No. 590,248, published Nov. 28, 1950.
Mops, mop heads, brooms. Fickett-Brown Manufacturing Company. 538,942, Mar. 6; Serial No. 576,910, published Nov. 28, 1950.

CLASS 31

Dust collectors. Turner & Haws Engineering Co., Inc. 538,976, Mar. 6; Serial No. 582,931, published Oct. 17, 1950.

Evaporators, Household refrigerator, household refrigerator-condensers, household refrigerator liquid receivers, etc. Houdaille-Hershey Corporation. 538,893, Mar. 6; Serial No. 565,874, published Oct. 17, 1950.
Filter discs. Union Wadding Company. 539,049, Mar. 6; Serial No. 592,009, published Oct. 31, 1950.
Filter material, Fibrous precoating. Industrial Filter & Pump Mfg. Co. 539,024, Mar. 6; Serial No. 589,788, published Oct. 31, 1950.
Filters, Mechanical viscous-impingement ventilating air. American Air Filter Company, Inc. 538,999, Mar. 6; Serial No. 587,002, published Nov. 28, 1950.
Machines and equipment for the manufacture of ice cream. Automatic Freezer Company. 538,973, Mar. 6; Serial No. 581,929, published Oct. 17, 1950.
Refrigerated milk storage tanks. Steel and Tube Products Co. 538,864, Mar. 6; Serial No. 556,666, published Dec. 5, 1950.
Refrigerating units, Dry ice type. Carbofreser Research Corporation. 538,881, Mar. 6; Serial No. 562,121, published Oct. 31, 1950.
Refrigeration apparatus, Electrically operated commercial and industrial. Winkler-Morgenthaler, Inc. 538,876, Mar. 6; Serial No. 560,852, published Nov. 14, 1950.
Refrigeration truck bodies, cold rooms, etc. Kold-Hold Manufacturing Company. 538,929, Mar. 6; Serial No. 573,661, published Oct. 17, 1950.
Refrigerators, Household electric, refrigerated storage lockers, etc. Gamble-Skogmo, Inc. 538,969, Mar. 6; Serial No. 580,882, published Dec. 12, 1950.
Valve adapted to be used to control the operation of a refrigeration expansion valve, Pilot. Minneapolis-Honeywell Regulator Company. 538,843, Mar. 6; Serial No. 542,623, published Oct. 31, 1950.
Water purifying and softening apparatus. Troop Water Heater Company. 538,921, Mar. 6; Serial No. 572,623, published Nov. 28, 1950.

CLASS 32

Chairs, sofas, kitchen tables, etc. H & B Manufacturing Co. Inc. 539,135, Mar. 6; Serial No. 590,660.
Wardrobes, Metal, metal utility cabinets and metal kitchen base units. M. L. Kemper. 539,132, Mar. 6; Serial No. 589,216.

CLASS 34

Fans and parts thereof, Power-driven heating and ventilating. Buffalo Forge Company. 282,481, renewed Apr. 21, 1951. O. G. Mar. 6.
Globes, Lamp, lamp shades, and lamp lenses, etc. Aktiebolaget Orrefors Glasbruk. 398,943, Dec. 8, 1942. Republished Mar. 6.
Heaters and their structural parts, Gas, oil, and vapor burning water. The Cleveland Heater Company. 277,982, renewed Dec. 2, 1950. O. G. Mar. 6.
Heaters, Gas, oil, and vapor burning water, hot-water heating systems, etc. The Cleveland Heater Company. 278,018–20, renewed Dec. 2, 1950. O. G. Mar. 6.
Heaters, Gas, oil, and vapor burning water, hot-water heating systems, etc. The Cleveland Heater Company. 277,996, renewed Dec. 2, 1950. O. G. Mar. 6.
Ignition and control devices, Gas-range-burner. The Patrol Valve Company. 277,993, renewed Dec. 2, 1950. O. G. Mar. 6.

CLASS 37

Paper, Corrugated. J. J. Lipp Paper Company. 539,123, Mar. 6; Serial No. 579,333.
Paper, Writing. Bryon Weston Company. 539,112, Mar. 6; Serial No. 541,056.
Paper, Writing. Rockwell-Barnes Company. 282,149, renewed Apr. 14, 1951. O. G. Mar. 6.
Pencils. Wallace Pencil Company. 281,477, renewed Mar. 17, 1951. O. G. Mar. 6.
Rubber bands and erasers. Eberhard Faber Pencil Company. 280,845, renewed Mar. 3, 1951. O. G. Mar. 6.
Telephone support with pad and pencil. V. Silson. 539,111, Mar. 6; Serial No. 520,422.

CLASS 38

Cards, Greeting. L. E. Janklow. 539,130, Mar. 6; Serial No. 589,157.
Cards, Greeting. Picturette Greeting Card Corp. 539,139, Mar. 6; Serial No. 591,950.
Cards, Greeting, and printed greeting folders. Norcross, Inc. 539,137, Mar. 6; Serial No. 590,858.
Magazine section and a printed publication. Moore-Robbins Publishing Company, Inc. 539,119, Mar. 6; Serial No. 565,952.
Magazines. Archie Comic Publications, Inc. 433,030, Sept. 23, 1947. Republished Mar. 6.
Magazines. Archie Comic Publications, Inc. 435,411, Dec. 23, 1947. Republished Mar. 6.
Periodical. The National Secretaries Association. 539,118, Mar. 6; Serial No. 565,076.
Publication, Weekly. The Sporting News Publishing Company. 319,108, Nov. 13, 1934. Republished Mar. 6.

CLASS 39

Bathing suits, ladies', children's, and misses' knitted and woven slips, etc. Indera Mills Company. 538,850, Mar. 6; Serial No. 545,852, published Dec. 12, 1950.
Boots and shoes, Cloth, canvas, leather, and rubber. Clark-Hutchinson Company. 81,200, re-renewed Mar. 14, 1951. O. G. Mar. 6.
Boots and shoes, Rubber, rubber overshoes, and rubber-soled canvas shoes. Hood Rubber Company, Inc. 283,210, renewed May 19, 1951. O. G. Mar. 6.
Brassières. Jessie Miller Co., Inc. 539,131, Mar. 6; Serial No. 589,164.
Brassières. Zef Innovations, Inc. 539,042, Mar. 6; Serial No. 591,212, published Dec. 12, 1950.
Caps, Plastic shower. Plasticap, Inc. 539,124, Mar. 6; Serial No. 583,945.
Clothing, Boys'. The Hecht Company. 538,854, Mar. 6; Serial No. 552,389, published Nov. 7, 1950.
Clothing, Men's. Haspel Brothers, Inc. 538,844, Mar. 6; Serial No. 542,731, published Nov. 7, 1950.
Collars and cuffs. Timely Accessories, Inc. 538,821, Mar. 6; Serial No. 510,368, published Nov. 14, 1950.
Dresses, Bridal. M. Stern. 539,113, Mar. 6; Serial No. 554,438.
Dresses, slips, nightgowns and panties. Barcley Corset Company. 539,117, Mar. 6; Serial No. 562,904.
Dresses, suits, coats, hats, etc., Women's. The Vogue Shops. 282,040, renewed Apr. 7, 1951. O. G. Mar. 6.
Handkerchiefs. Winsor Manufacturing Company. 538,962–3, Mar. 6; Serial Nos. 556,046–7, published May 24, 1949.
Hats. H. Abish. 538,941, Mar. 6; Serial No. 576,609, published Apr. 18, 1950.
Hats for men. Byron Hat Corporation. 283,097, renewed May 19, 1951. O. G. Mar. 6.
Hats, Men's and boys'. Rogers Peet Company. 538,923, Mar. 6; Serial No. 572,772, published Oct. 31, 1950.
Hats, Waterproof. Bronston Hat Company. 538,909, Mar. 6; Serial No. 570,764, published Oct. 31, 1950.
Hosiery. Le Roi Hosiery Co. Inc. 282,795, renewed May 5, 1951. O. G. Mar. 6.
Jackets and lightweight suits, Men's. Linett Formal Clothing Co. Inc. 539,138, Mar. 6; Serial No. 591,093.
Shirts, Dress, for men and boys. J. H. Bonck Co. 278,168, renewed Dec. 9, 1950. O. G. Mar. 6.
Shirts, Men's and boys' work. Rombro Brothers Inc. 538,906, Mar. 6; Serial No. 570,122, published Mar. 7, 1950.
Shirts, Work, negligee, and dress. Lexington Shirt Corporation, Inc. 336,208, June 30, 1936. Republished Mar. 6.
Shoes. Bristol Manufacturing Corporation. 539,134, Mar. 6; Serial No. 590,643.
Suits and coats, Boys'. Sol Fletcher, Inc. 539,047, Mar. 6; Serial No. 591,672, published Nov. 28, 1950.
Suits and trousers, Men's. Benson-Buckman Co. 538,905, Mar. 6; Serial No. 570,088, published Oct. 31, 1950.
Suits, Men's. Merit Clothing Company. 539,009, Mar. 6; Serial No. 587,900, published Oct. 31, 1950.
Suits, Men's and boys'. Michaels, Stern & Company, Incorporated. 539,142, Mar. 6; Serial No. 594,912.
Suits, topcoats, overcoats, etc. Weber and Heilbroner, Inc. 539,010, Mar. 6; Serial No. 589,287, published Nov. 7, 1950.
Suits, top coats, sport coats and rain coats, Men's and boys'. Stern's Astoria, Inc. 538,971, Mar. 6; Serial No. 581,741, published Nov. 14, 1950.
Topcoats and overcoats, Men's. Hickey-Freeman Company. 538,837, Mar. 6; Serial No. 538,911, published Nov. 7, 1950.
Trousers and slacks, Men's and boys'. Prentis Clothes Corp. 539,025, Mar. 6; Serial No. 589,802, published Oct. 31, 1950.
Trousers, Men's. John Shannon & Son Limited. 539,028, Mar. 6; Serial No. 590,035, published Nov. 28, 1950.
Uniforms, Nurses'. White Swan Uniforms, Inc. 539,029, Mar. 6; Serial No. 590,045, published Nov. 28, 1950.
Wearing apparel for women and girls, Outer. Forest City Manufacturing Company. 283,150, renewed May 19, 1951. O. G. Mar. 6.

CLASS 41

Umbrellas, Paper. Van Lear Woodward & Co., Inc. 539,129, Mar. 6; Serial No. 588,726.

CLASS 42

Bed spreads, draperies, valances, etc. W. & J. Sloane. 538,974, Mar. 6; Serial No. 582,064, published Nov. 28, 1950.
Carpets and rugs, Textile. Simon Manges & Son, Inc. 538,996–7, Mar. 6; Serial Nos. 586,697–8, published Nov. 28, 1950.
Cloths, etc., Knitted and woven woolen and worsted. Continental Mills, Inc. 538,878, Mar. 6; Serial No. 561,381, published Nov. 21, 1950.
Curtains, Window. Bartmann & Bixer, Inc. 539,000, Mar. 6; Serial No. 587,006, published Nov. 28, 1950.
Curtains, Window. Bartmann & Bixer, Inc. 539,141, Mar. 6; Serial No. 592,694.
Fabric, All rayon. Mooresville Mills, Inc. 538,993, Mar. 6; Serial No. 586,297, published Nov. 28, 1950.
Fabric, Woven. Pedigree Fabrics, Inc. 539,002, Mar. 6; Serial No. 587,131, published Nov. 28, 1950.
Fabrics. Harry Goldinger Textile Corporation. 538,913, Mar. 6; Serial No. 571,527, published Nov. 28, 1950.

Fabrics. Goodall-Sanford, Inc. 538,920, Mar. 6; Serial No. 572,561, published Nov. 28, 1950.
Fabrics, Awning. John Boyle & Company, Incorporated. 539,003, Mar. 6; Serial No. 587,240, published Nov. 28, 1950.
Fabrics, Coated. Bemis Bro. Bag Company. 538,828, Mar. 6; Serial No. 526,891, published Aug. 31, 1948. (Consolidated certificate, Classes 2 and 42.)
Fabrics, Coated and uncoated. Coast Manufacturing & Supply Company. 538,985, Mar. 6; Serial No. 585,014, published Nov. 28, 1950.
Fabrics, Denim. J. P. Stevens & Co., Inc. 538,897, Mar. 6; Serial No. 566,186, published Nov. 28, 1950.
Fabrics in the piece, Acetate and rayon. Shirley Fabrics Corp. 539,102, Mar. 6; Serial No. 597,980, published Nov. 28, 1950.
Fabrics in the piece, Textile. Harry Zeller, Inc. 539,011, Mar. 6; Serial No. 587,921, published Nov. 28, 1950.
Fabrics in the piece, Woolen. Pacific Mills. 538,968, Mar. 6; Serial No. 580,743, published Nov. 28, 1950.
Piece goods. The Calico Printers' Association Limited. 538,986, Mar. 6; Serial No. 585,367, published Nov. 21, 1950.
Piece goods. Colonial Mills, Inc. 538,956, Mar. 6; Serial No. 579,265, published Nov. 28, 1950.
Piece goods, Lydia Cotton Mills. 538,927, Mar. 6; Serial No. 573,376, published Nov. 28, 1950.
Piece goods. Reeves Brothers, Inc. 539,101, Mar. 6; Serial No. 597,095, published Nov. 21, 1950.
Piece goods, Textile. Arthur Beir & Co., Inc. 538,904, Mar. 6; Serial No. 569,665, published Nov. 28, 1950.
Piece goods, Woolen. Rudolf Baar, Inc. 538,965, Mar. 6; Serial No. 580,454, published Nov. 28, 1950.
Ribbons of velvet, taffeta, grosgrain, moire, etc. The Bethlehem Silk Company. 538,982, Mar. 6; Serial No. 584,607, published Nov. 28, 1950.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 538,970, Mar. 6; Serial No. 581,023, published Nov. 28, 1950.

CLASS 44

Anal inserts. Duframe Specialty Company. 538,885, Mar. 6; Serial No. 563,668, published Dec. 5, 1950.
Arch supports. The Scholl Mfg. Co., Inc. 538,883, Mar. 6; Serial No. 563,222, published Dec. 19, 1950.
Deformable putty-like material. C. Greenbaum. 539,075, Mar. 6; Serial No. 593,724, published Nov. 14, 1950.
Dental instruments. The Amalgamated Dental Company Limited. 538,917, Mar. 6; Serial No. 572,149, published Dec. 19, 1950.
Dental instruments and utensils. The Amalgamated Dental Company Limited. 538,916, Mar. 6; Serial No. 572,147, published Dec. 5, 1950.
Girdles and supporters both for surgical use. Elastic Root Elastic Fabrics, Inc. 538,910, Mar. 6; Serial No. 570,793, published Dec. 5, 1950.
Orthopedic braces. The Pope Foundation, Inc. 538,839, Mar. 6; Serial No. 540,202, published Dec. 5, 1950.
Plasters, Corn, callus and bunion plasters, etc. Jung Arch Brace Co. 538,932, Mar. 6; Serial No. 574,038, published Nov. 14, 1950.
Safety devices. M. Kline. 538,899, Mar. 6; Serial No. 566,620, published Dec. 5, 1950.
Splints and bandages. Johnson & Johnson. 526,580, June 20, 1950. Amended. O. G. Mar. 6.
Syringes, Vaginal, and douche bags. Mon Docteur Importing Co., Inc. 272,576, renewed July 8, 1950. O. G. Mar. 6.
Thermometers, Clinical, hypodermic syringes, hypodermic needles, etc. Becton Dickinson and Company. 538,978, Mar. 6; Serial No. 583,334, published Nov. 14, 1950.
Toothpicks. Herz Manufacturing Corporation. 538,895-6, Mar. 6; Serial Nos. 566,147-8, published Dec. 19, 1950.

CLASS 46

Apple sauce, boned chicken products, butter, etc. George W. Simmons Corporation. 275,882, renewed Sept. 23, 1950. O. G. Mar. 6.
Biscuits, Dog. Spratt's Patent (America) Limited. 538,963, Mar. 6; Serial No. 580,168, published Nov. 28, 1950.
Cake. Drake Bakeries Incorporated. 538,824, Mar. 6; Serial No. 520,447, published Nov. 14, 1950.
Candies and frozen desserts. The Jolly Rancher. 539,091, Mar. 6; Serial No. 594,845, published Dec. 19, 1950.
Candy. Switzer Licorice Company. 539,052, Mar. 6; Serial No. 592,170, published Dec. 19, 1950.
Canned fish. Wilbur-Ellis Company. 539,016, Mar. 6; Serial No. 588,818, published Dec. 5, 1950.
Canned foods. Vincennes Packing Corporation. 538,903, Mar. 6; Serial No. 568,127, published July 18, 1950.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 275,683, renewed Sept. 30, 1950. O. G. Mar. 6.
Canned shrimp. Anticich Canning Company, Inc. 538,822, Mar. 6; Serial No. 510,470, published Mar. 15, 1949.
Canned vegetables. Hanover Canning Company. 539,087, Mar. 6; Serial No. 594,542, published Dec. 12, 1950.
Canned vegetables. Old Black Joe Co. 539,088, Mar. 6; Serial No. 594,570, published Dec. 12, 1950.
Cheese dressing, Roquefort. M. Rose. 539,020, Mar. 6; Serial No. 589,335, published Dec. 12, 1950.
Coffee. General Grocer Company. 538,836, Mar. 6; Serial No. 538,272, published Nov. 14, 1950.
Composition of gums, sugars and salt. E. F. Drew & Co., Inc. 539,128, Mar. 6; Serial No. 588,206.
Doughnuts. F. Maier, Jr. 278,089, renewed Dec. 2, 1950. O. G. Mar. 6.
Extract, Concentrated flavoring. R. W. Deckmann. 538,966, Mar. 6; Serial No. 580,649, published Dec. 12, 1950.
Feeds, Ingredients of. Kaw Dehydrating Company. 538,979, Mar. 6; Serial No. 583,400, published Dec. 19, 1950.
Feeds, Poultry and farm animal. J. P. Stocker. 538,959, Mar. 6; Serial No. 579,720, published Nov. 28, 1950.
Flour, Wheat. The Colorado Milling & Elevator Co. 538,853, Mar. 6; Serial No. 551,233, published Mar. 7, 1950.
Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 539,114, Mar. 6; Serial No. 559,732.
Hams and bacon. Armour and Company. 538,838, Mar. 6; Serial No. 540,141, published Nov. 14, 1950.
Horseradish, barbecue sauce and senf gurken. Barbecue Jake, Inc. 539,012, Mar. 6; Serial No. 587,999, published Dec. 19, 1950.
Marshmallows. The Shotwell Mfg. Co. 538,934, Mar. 6; Serial No. 575,165, published Nov. 28, 1950.
Milk products. General Ice Cream Corporation. 273,714, renewed Aug. 12, 1950. O. G. Mar. 6.
Oleomargarine. The Cudahy Packing Company. 539,121, Mar. 6; Serial No. 567,553.
Olive-oil. Bragno and Mustari. 79,813, re-renewed Oct. 11, 1950. O. G. Mar. 6.
Peanuts, Salted shelled, potato chips, candied and buttered pop corn, etc. Planters Nut and Chocolate Company. 538,882, Mar. 6; Serial No. 562,220, published Nov. 14, 1950.

CLASS 50

Container closures. Crown Cork & Seal Company, Inc. 539,046, Mar. 6; Serial No. 591,406, published Nov. 21, 1950.
Decorated pieces of metal or plastic. A. Winogradow. 538,947, Mar. 6; Serial No. 577,920, published Nov. 14, 1951.
Display forms, Merchandise. Sembodja Corporation of New York. 539,084, Mar. 6; Serial No. 593,940, published Dec. 5, 1950.
Feeders, Poultry. H. J. Nordenbrock. 538,984, Mar. 6; Serial No. 580,853, published Dec. 5, 1950.
Fibre base composed of wood and/or cotton. Athol Manufacturing Company. 539,094, Mar. 6; Serial No. 595,240, published Nov. 21, 1950.
Fibrous material. M. A. Swarts. 539,006, Mar. 6; Serial No. 587,568, published Nov. 21, 1950.
Hangers, Garment. Coat Conformers, Inc. 539,014, Mar. 6; Serial No. 588,427, published Nov. 14, 1950.
Ladders. Magnesium Products Corporation. 538,873, Mar. 6; Serial No. 559,523, published Nov. 28, 1950.
Leather, Artificial. Respro, Inc. 280,658, renewed Feb. 24, 1951. O. G. Mar. 6.
Novelties, Plaster of Paris and terra cotta. A. P. Lerman. 538,983, Mar. 6; Serial No. 584,819, published Dec. 5, 1950.
Novelty Advertising. Perfect Circle Corporation. 539,071, Mar. 6; Serial No. 593,368, published Dec. 5, 1950.
Presentation materials, Visual. Hile-Damroth, Inc. 538,925, Mar. 6; Serial No. 572,974, published Dec. 5, 1950.
Scaffolds, Portable and adjustable. L. K. Pennington. 538,872, Mar. 6; Serial No. 559,118, published Dec. 5, 1950.
Scaffolds, roller units, and roller stands. Automatic Devices, Inc. 538,846, Mar. 6; Serial No. 544,315, published Nov. 28, 1950.
Shoe-trees and forms. Cordo-Hyde Company. 280,974, renewed Mar. 3, 1951. O. G. Mar. 6.
Slabs, Rubber, and rubber mats. R. Allen. 539,033, Mar. 6; Serial No. 590,298, published Nov. 14, 1950.

CLASS 51

Astringents, astringent cerates, bleach creams, etc. Greengard's Vanity Shop. 280,909, renewed Mar. 3, 1951. O. G. Mar. 6.
Astringents, astringent cerates, bleach creams, etc. W. L. Hayes. 278,015, renewed Dec. 2, 1950. O. G. Mar. 6.
Cleansing and skin cream, Combination. Furlow Distributing Co. 539,127, Mar. 6; Serial No. 587,326.
Coloring matter for cosmetic materials. Ansbacher-Siegle Corporation. 435,109, Dec. 9, 1947. Republished Mar. 6.
Cosmetic creams, lotions, etc. Elisabeth Arden, Inc. 279,960, renewed Feb. 10, 1951. O. G. Mar. 6.
Cosmetics. Camelia Penney, Inc. 538,826, Mar. 6; Serial No. 520,858, published Oct. 24, 1950.
Dental powder and mouth rinse. W. J. Richards. 538,918, Mar. 6; Serial No. 572,207, published Oct. 31, 1950.
Eau de cologne. Bourjois, Inc. 539,120, Mar. 6; Serial No. 566,496.

Hair dressing preparation. W. Wilson. 538,960, Mar. 6; Serial No. 579,768, published Nov. 14, 1950.
Hair rinse. Rainwater, Inc. 539,070, Mar. 6; Serial No. 593,242, published Oct. 31, 1950.
Henna, Raw ground. J. L. Hopkins & Co. 538,857, Mar. 6; Serial No. 554,568, published Nov. 28, 1950.
Make-up, Lip. The Lipmatch Company. 538,933, Mar. 6; Serial No. 574,041, published Nov. 14, 1950.
Oil used in the preparation of cosmetics, perfumes, rouges, etc., Avocado. Calavo Growers of California. 538,877, Mar. 6; Serial No. 560,966, published Nov. 28, 1950.
Ointment and whitening cream. E. T. Browne Drug Company Inc. 305,601, Aug. 22, 1933. Republished Mar. 6.
Perfume, cologne, and toilet water. E. H. Shannon. 538,887, Mar. 6; Serial No. 564,407, published Nov. 14, 1950.
Perfumes, toilet waters, face powder, etc. Societe Anonyme Jean Patou. 281,636, renewed Mar. 24, 1951. O. G. Mar. 6.
Soap, Tincture of green; boric acid crystals and powder, etc. Katz Drug Company. 538,907, Mar. 6; Serial No. 570,209, published Nov. 28, 1950.
Toilet preparations and cosmetics. The Kolynos Company. 279,149, renewed Jan. 6, 1951. O. G. Mar. 6.

CLASS 52

Cleaner, cleanser and detergent, Sudsing. Colgate-Palmolive-Peet Company. 539,041, Mar. 6; Serial No. 591,146, published Dec. 5, 1950.
Cleaning compounds, Boiler. Garratt-Callahan Co. of Illinois. 538,832, Mar. 6; Serial No. 531,660, published Nov. 28, 1950.
Hair shampoo cream. John H. Breck, Inc. 538,888, Mar. 6; Serial No. 564,709, published Nov. 14, 1950.
Preparation used for general cleaning and removing grease. Arwell, Inc. 538,902, Mar. 6 Serial No. 567,673, published Dec. 5, 1950.
Rust eradicator preparation. Garratt-Callahan Co. of Illinois. 538,833, Mar. 6; Serial No. 531,661, published Nov. 28, 1950.
Soap. The Cudahy Packing Company. 538,865, Mar. 6; Serial No. 558,350, published Nov. 28, 1950.
Soap, Facial. A. N. Castro. 539,045, Mar. 6; Serial No. 591,402, published Dec. 5, 1950.
Soap, Medicinal and toilet. E. T. Browne Drug Company Inc. 296,319, Aug. 2, 1932. Republished Mar. 6.
Soap, Medicinal and toilet. E. T. Browne Drug Company Inc. 305,091, Aug. 1, 1933. Republished Mar. 6.
Solventa, Dry cleaning, metal cleaning solvents, alkali cleaners, etc. Detrex Corporation. 538,851, Mar. 6; Serial No. 546,965, published June 7, 1949.
Soot and carbon scale removing chemical preparation. Garratt-Callahan Co. of Illinois. 538,831, Mar. 5; Serial No. 531,659, published Nov. 28, 1950.

CLASS 102

Banking and trust services. Bankers Trust Company. 539,109, Mar. 6; Serial No. 591,713, published Dec. 19, 1950.
Underwriting life, accident, health, casualty, fire, marine and inland marine insurance, etc. The Travelers Insurance Company. 539,104, Mar. 6; Serial No. 537,636, published Dec. 19, 1950.

CLASS 103

Repairing services, Radio and phonograph. Sears, Roebuck and Co. 539,108, Mar. 6; Serial No. 573,207, published Dec. 12, 1950.

CLASS 104

Broadcasting services, Radio program. Westinghouse Radio Stations, Inc. 539,106, Mar. 6; Serial No. 557,811, published Oct. 24, 1950.
Broadcasting services, Radio program. Westinghouse Radio Stations, Inc. 539,107, Mar. 6; Serial No. 561,163, published Oct. 24, 1950.
Weather reporting services. General Teleradio, Inc. 539,105, Mar. 6; Serial No. 557,243, published Oct. 31, 1950.

CLASS 107

Developing and supervising program. General Motors Corporation. 539,103, Mar. 6; Serial No. 536,075, published Dec. 12, 1950.

LIST OF DESIGN PATENTEES

Accardi, Leonard J., Brooklyn, N. Y. Stocking. 162,277, Mar. 6.

Ainsworth, George, New Hyde Park, N. Y. Fluorescent lighting fixture. 162,278, Mar. 6.

Alexander, Ocie P., assignee: *See*— Graham, Thomas T.

Andresen, Hilmar A. and R. H., Chicago, assignors to Burgess Vibrocrafters, Inc., Lake Zurich, Ill. Jig saw. 162,279, Mar. 6.

Andresen, Raymond H.: *See*— Andresen, Hilmar A. and R. H.

Avco Manufacturing Corporation, assignee: *See*— Clingman, William H.

B & M Mills, Inc., assignee: *See*— MacIntyre, John A.

Barash, Joseph, Peekskill, N. Y. Artificial leather sheet or similar article. 162,280, Mar. 6.

Beacon Plastic & Metal Products, Inc., assignee: *See*— Spier, Irene W.

Bernsott, Hugo, Niles, and C. Talbot, Chicago, Ill., assignors to Da-Lite Screen Company, Inc. Cap and latch for screen holders. 162,281, Mar. 6.

Birtman Electric Company, assignee: *See*— Karstadt, Clarence.

Boulter, Roy R., Laguna Beach, Calif. Toothbrush receptacle. 162,282, Mar. 6.

Bowen, Billi, New York, and J. Wark, Bronx, N. Y., assignors to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 162,283, Mar. 6.

Braun, Samuel, Rockville Centre, and M. Crystal, Forest Hills, assignors to Braun-Crystal Mfg. Co., Inc., Middle Village, N. Y. Hinged cover molded plastic display receptacle. 162,284, Mar. 6.

Braun-Crystal Mfg. Co., Inc., assignee: *See*— Braun, Samuel, and Crystal.

Brown & Bigelow, assignee: *See*— Woofter, Cecil B.

BullDog Electric Products Company, assignee: *See*— Platz, Elwood T., Robertson, and Higgins.

Burgess Vibrocrafters, Inc., assignee: *See*— Andresen, Hilmar A. and R. H.

Burlington Mills Corporation, assignee: *See*— Welch, Joe T.

Capital Records, Inc., assignee: *See*— Duncan, Arthur D.

Carrier Corporation, assignee: *See*— Guild, Lurelle.

Cauffiel, John, Toledo, Ohio. Tray. 162,285, Mar. 6.

Clingman, William H., Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver. 162,286, Mar. 6.

Corning Glass Works, assignee: *See*— Horne, Willard R.

Cox, Katie L., Atlanta, Ga. Crochet frame. 162,287, Mar. 6.

Crosetti, Joseph C., Jeannette, Pa. Toy clock bank with transparent container base. 162,288, Mar. 6.

Crystal, Max: *See*— Braun, Samuel, and Crystal.

Da-Lite Screen Company, Inc., assignee: *See*— Bernsott, Hugo, and Talbot. Gardner, René.

Day-Brite Lighting, Inc., assignee: *See*— Meyer, Carl X.

Diebenkorn, Richard C., Atherton, assignor to Dohrmann Hotel Supply Co., San Francisco, Calif. Cup or similar article. 162,289, Mar. 6.

Dohrmann Hotel Supply Co., assignee: *See*— Diebenkorn, Richard C.

Donaldson, James E., Chicago, Ill. Sheet of wrapping paper or the like. 162,290, Mar. 6.

Duncan, Arthur D., Los Angeles, assignor to Capital Records, Inc., Hollywood, Calif. Display stand. 162,291, Mar. 6.

Du Pont, E. I., de Nemours and Company, assignee: *See*— Rosedale, Max.

Eckert, George E., assignor to Moe Light, Inc., Fort Atkinson, Wis. Window valance. 162,292, Mar. 6.

Florsheim, Harry A., New York, N. Y., assignor to Wisteria Hosiery Mills, Inc., Gastonia, N. C. Stocking. 162,293, Mar. 6.

Foster, James L.: *See*— Klingens, Cornelis, and Foster.

Friedman, Beatrice, New York, N. Y. Narrow embroidered fabric or the like. 162,294, Mar. 6.

Gardner, René, Elmhurst, Ill., assignor to Da-Lite Screen Company, Inc. Case end for screens. 162,295, Mar. 6.

Gillette Safety Razor Company, assignee: *See*— Bowen, Billi, and Wark.

Graham, Thomas T., assignor of one-half to O. P. Alexander, Houston, Tex. Pressure spray device. 162,296, Mar. 6.

Guild, Lurelle, New York, assignor to Carrier Coporation, Syracuse, N. Y. Self-contained air conditioning unit. 162,297, Mar. 6.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily or similar article. 162,298, Mar. 6.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 162,299, Mar. 6.

Hanson, George H., Jr., Kansas City, Kans, assignor to The Vendo Company, Kansas City, Mo. Combination electric lamp fixture and housing for door opening and closing mechanism. 162,300, Mar. 6.

Harris-Seybold Company, assignee: *See*— Schreckengost, Viktor.

Hibbard, Richard J., Chester, Pa. Textile fabric or similar article. 162,301, Mar. 6.

Higgins, Louis W.: *See*— Platz, Elwood T., Robertson, and Higgins.

Horne, Willard R., New York, assignor to Corning Glass Works, Corning, N. Y. Tumbler or similar article. 162,302, Mar. 6.

Hughes, Arthur O., Anglesey, North Wales. Combination grinding and surfacing tool. 162,303, Mar. 6.

International Business Machines Corporation, assignee: *See*— Kress, George H.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,304, Mar. 6.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,305, Mar. 6.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,306, Mar. 6.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,307, Mar. 6.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,308, Mar. 6.

Kammer, Vernon H., East Detroit, Mich. Electric lamp. 162,309, Mar. 6.

Karfiol, Edward, Great Neck, assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y. Doily. 162,310, Mar. 6.

Karfiol, Edward, Great Neck, asignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y. Doily. 162,311, Mar. 6.

Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Portable vacuum cleaner. 162,312, Mar. 6.

Kelman, Samuel E., Providence, R. I. Buckle. 162,313, Mar. 6.

Klingens, Cornelis, and J. L. Foster, assignors to U. S. Slicing Machine Company, Inc., La Porte, Ind. Vegetable chute for a slicing machine. 162,314, Mar. 6.

Kohn, Julius, New York, N. Y. Cigar lighter. 162,315, Mar. 6.

Kolivera, George J., Chicago, Ill. Combination corner and chalk holder for billiard table or the like. 162,316, Mar. 6.

Kramer, Maurice, New York, N. Y. Figurine. 162,317, Mar. 6.

Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Proof machine. 162,318, Mar. 6.

La Falce, Palmerino C., Buffalo, N. Y. Combination flashlight and fishing pole handle. 162,319, Mar. 6.

Lake, Bruno J., Oak Park, Ill. Flower pot. 162,320, Mar. 6.

Lanier, Edward M., Croydon, Pa. Airplane. 162,321, Mar. 6.

Lerman, Ben, assignor to Mastercrafters Clock & Radio Company, Chicago, Ill. Clockcase. 162,322, Mar. 6.

Lightfoot, Robert D., South Bend, Ind. Keyhole light. 162,323, Mar. 6.

Lindstrom, John E., Aurora, Ill. Door grille or the like. 162,324, Mar. 6.

Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Combined Venetian blind head bar and installation brackets assembly. 162,325, Mar. 6.

Lorentzen Hardware Mf'g. Corp., assignee: *See*— Lorentzen, Hans K.

Lux, Frederick, Middlebury, Conn. Alarm clock. 162,326, Mar. 6.

M. K. M. Hosiery Mills, Inc., assignee: *See*— Sigel, Saul.

MacIntyre, John A., Barrington, R. I., assignor to B & M Mills, Inc. Fabric or the like for grills of radios. 162,327, Mar. 6.

Manchester, Edward C., Attleboro, Mass., assignor to Walter W. Ross and Company, Inc., Kansas City, Mo. Guard pin. 162,328, Mar. 6.

Manchester, Edward C., Attleboro, Mass., assignor to Walter W. Ross and Company, Inc., Kansas City, Mo. Guard pin. 162,329, Mar. 6.

Mastercrafters Clock & Radio Company, assignee: *See*— Lerman, Ben.

Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 162,330. Mar. 6.

Miller, Melvin G., Houston, and T. W. Nichols, Pasadena, Tex., said Miller assignor to said Nichols. Slingshot. 162,331, Mar. 6.
Millway Knitting Mill, Inc.: *See*— Tait, William.
Milwaukee Lace Paper Company, assignee: *See*— Hamilton, Kenneth C.
Mitchell, Livia, New York, N. Y. Comb. 162,332, Mar. 6.
Moe Light, Inc., assignee: *See*— Eckert, George E. Stevens, Clifford B.
Moore, William F., Lake City, Fla. Child's float or similar article. 162,333, Mar. 6.
Murray, Richard C., assignor to Sertoma International, Kansas City, Mo. Badge. 162,334, Mar. 6.
Neon Products, Inc., assignee: *See*— Smith, Kenneth F.
Neto, Enos G., Taunton, Mass. Kitchen range. 162,335, Mar. 6.
Nichols, Talley W.: *See*— Miller, Melvin G., and Nichols.
Oest, George F. and M. C., Rochester, N. Y. Bootclip or similar article. 162,336, Mar. 6.
Oest, Margaret C.: *See*— Oest, George F. and M. C.
O'Gatty, James A., Los Angeles, Calif. Sacroiliac bar. 162,337, Mar. 6.
Osgood, Mildred M., New York, N. Y. Puppet or similar article. 162,338, Mar. 6.
Phillips, Sidney, Brooklyn, N. Y. Optical filter holder. 162,339, Mar. 6.
Platz, Elwood T., W. Robertson, and L. W. Higgins, assignors to Bull-Dog Electric Products Company, Detroit, Mich. Electric control panel board. 162,340, Mar. 6.
Platz, Elwood T., W. Robertson, and L. W. Higgins, assignors to Bull-Dog Electric Products Company, Detroit, Mich. Electric control panel board. 162,341, Mar. 6.
Platz, Elwood T., W. Robertson, and L. W. Higgins, assignors to Bull-Dog Electric Products Company, Detroit, Mich. Electric control panel board. 162,342, Mar. 6.
Rabinovitz, Isador, Philadelphia, Pa. Stocking. 162,343, Mar. 6.
Rains, Snowden L., St. Charles, Mo. Door knocker. 162,344, Mar. 6.
Robertson, William: *See*— Platz, Elwood T., Robertson, and Higgins.
Roney, Raymond B., Arcadia, Calif. Ozone-lamp fixture. 162,345, Mar. 6.
Rosedale, Max, New York, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 162,346, Mar. 6.
Ross, Walter W., and Company, Inc., assignee: *See*— Manchester, Edward C.
Royal Lace Paper Works, Inc., assignee: *See*— Karfiol, Edward.
Schreckengost, Viktor, East Cleveland, assignor to Harris-Seybold Company, Cleveland, Ohio. Printing press. 162,347, Mar. 6.
Senderowitz, Robert B., Allentown, Pa. Container for slips or the like. 162,348, Mar. 6.
Sertoma International, assignee: *See*— Murray, Richard C.
Shapiro, Joseph, St. Louis, Mo. Match book display stand. 162,349, Mar. 6.
Shor's Catering Corporation, assignee: *See*— Wrablica, Paul, Jr.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 162,350, Mar. 6.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 162,351, Mar. 6.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 162,352, Mar. 6.
Simmons, Naomi V., Dallas, Tex. Infant's toy animal figure or similar article. 162,353, Mar. 6.
Smith, Kenneth F., assignor to Neon Products, Inc., Lima, Ohio. Sign or similar article. 162,354, Mar. 6.
Smith, Kenneth F., assignor to Neon Products, Inc., Lima, Ohio. Sign or similar article. 162,355, Mar. 6.
Smith, Richard, Tucson, Ariz. Razor blade sharpener. 162,356, Mar. 6.
Sobel, Joseph, Camden, N. J. Baking pan. 162,357, Mar. 6.
Spier, Irene W., assignor to Beacon Plastic & Metal Products, Inc., New York, N. Y. Clock. 162,358, Mar. 6.
Stevens, Clifford B., Milwaukee, assignor to Webster Electric Company, Racine, Wis. Combination magnetic recorder and reproducer. 162,359, Mar. 6.
Stevens, Clifford B., Milwaukee, assignor to Webster Electric Company, Racine, Wis. Combination magnetic recorder and reproducer. 162,360, Mar. 6.
Stevens, Clifford B., Milwaukee, assignor to Moe Light, Inc., Fort Atkinson, Wis. Window valance. 162,361, Mar. 6.
Tait, William, Wyomissing, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 162,362, Mar. 6.
Talbot, Curtis: *See*— Bernsott, Hugo, and Talbot.
U. S. Slicing Machine Company, Inc., assignee: *See*— Klingens, Cornelis, and Foster.
Vendo Company, The, assignee: *See*— Hansen, George H., Jr.
Walls, Edna M., Washington, D. C. Barrette or similar article. 162,363, Mar. 6.
Wark, John: *See*— Bowen, Bill, and Wark.
Webster Electric Company, assignee: *See*— Stevens, Clifford B.
Weill, Milton, New York, N. Y. Jewelry box. 162,364, Mar. 6.
Welch, Joe T., Burlington, assignor to Burlington Mills Corporation, Greensboro, N. C. Lady's stocking. 162,365, Mar. 6.
Wisteria Hosiery Mills, Inc., assignee: *See*— Florsheim, Harry A.
Wood, Edward L., Detroit, Mich. Safety automobile headlight lens shield. 162,366, Mar. 6.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Perpetual calendar. 162,367, Mar. 6.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Combination desk cigarette container and lighter. 162,368, Mar. 6.
Wrablica, Paul, Jr., Corona, assignor to Shor's Catering Corporation, Rockville Centre, N. Y. Roadside restaurant or the like. 162,369, Mar. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ATF Incorporated, assignee: *See*— Saling, Donald M.
Abbott, William G., Jr., Wilton, N. H. Motion multiplying mechanism. 2,544,122, Mar. 6.
Accumulatoren Fabriek Varta N. V., assignee: *See*— Schneider, Friedrich A.
Aerojet Engineering Corporation, assignee: *See*— Plaut, Herman.
Aeroquip Corporation, assignee: *See*— Rundell, Harwood F.
Aero Supply Mfg. Co., Inc., assignee: *See*— Downey, George T.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*— Krewson, Charles F. Weil, Leopold.
Aimé, Victor, West New York, N. J. Electric cord plug. 2,543,951, Mar. 6.
Air-A-Feed Equipment, Inc., assignee: *See*— Krasnow, Leonard L.
Airolite Company, The, assignee: *See*— Roberts, Marion G.
Aktiebolaget Tobo Bruk, assignee: *See*— Kjellberg, Ragnar.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*— Pfenninger, Hans.
Aktiengesellschaft Fuer Technische Studien, assignee: *See*— Keller, Curt.
Albrecht, Hugo, Baltimore, Md. Beehive. 2,543,750, Mar. 6.
Allenby, Owen C. W., McMasterville, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Dialkyl ether dichlorohydrins. 2,543,952, Mar. 6.
Allgeo, Fred J., assignor of one-half to S. Johnson, San Francisco, Calif. Pendulum level with transparent indicators. 2,544,438, Mar. 6.
Allied Chemical & Dye Corporation, assignee: *See*— Donleavy, John J. Harkenrider, Robert J.
Allis-Chalmers Manufacturing Company, assignee: *See*— Greisen, Elijah C.
All Star Products, Inc., assignee: *See*— Behringer, Grover F.
Altgelt, Herman E., South Bend, Ind., assignor to The Oliver Corporation. Comb type cotton harvester. 2,544,411, Mar. 6.
Aluminium Laboratories Limited, assignee: *See*— Hollum, Arne M., James, and Semple.
Aluminum Company of America, assignee: *See*— Jackson, Reginald. Michel, Mathias. Yedlicka, Joseph C.
Amberg, Charles R., Alfred, and S. F. Walton, Kenmore, assignors to The Exolon Company, Tonawanda, N. Y. Ceramic coatings and applying. 2,544,060, Mar. 6.
American Blower Corporation, assignee: *See*— Polk, Gilbert C.
American Bosch Corporation, assignee: *See*— Meyer, Wolfgang E.
American Can Company, assignee: *See*— Loveland, Malcolm W. Maher, William W., and Bofinger. Pechy, William.
American Cyanamid Company, assignee: *See*— Dudley, James R. Houpt, Alfred G., and Christmann. Hultquist, Martin E., and Howard. Parker, Charles H., Jr. Waletsky, Emanuel.
American Hardware Corporation, The, assignee: *See*— Dyson, Louis M., and Root.
American Machinery Corporation, assignee: *See*— Leonard, David E.
American Manufacturing Company, Inc., assignee: *See*— Carlson, Arthur C.
American Pulley Company, The, assignee: *See*— Williams, William A.
American Steel Foundries, assignee: *See*— Cannon, Earl, and Heater.
American Tool & Machine Co., assignee: *See*— Tholl, John E.
Amidon, Charles H., and I. E. Peterson, assignors to Norton Company, Worcester, Mass. Labeling machine. 2,544,627, Mar. 6.
Anciens Etablissements Barbier, Benard & Turenne, assignee: *See*— Benard, Jacques A. V.
Anderson, Alvin E.: *See*— Solomon, Nathan L., Feyrer, and Anderson.
Anderson, John R.: *See*— Gilbert, Samuel, and Anderson.
Andersson, John O., Ektorp, Sweden. Removable nozzle spray gun. 2,544,123, Mar. 6.
Andrews, John L., Fairfield, Ill., assignor to Chefford Master Manufacturing Co. Inc. Filter and pulsation dampener. 2,544,289, Mar. 6.
Andrews, O. B., Company, assignee: *See*— Phillips, Lawrence H.
Arabol Mfg. Co., The, assignee: *See*— Erikson, Carl R.
Arbuckle, Donald F., assignee: *See*— Royer, Leroy.
Archibald, Francis M., Elizabeth, and H. O. Mottern, Hillside, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Alcohol process. 2,543,820, Mar. 6.
Ardner, Frank J., Highland Park, Mich. Colostomy protector. 2,544,579, Mar. 6.
Armco Steel Corporation, assignee: *See*— Linnert, George E.
Armour and Company, assignee: *See*— Stow, Robert P.
Armstrong Cork Company, assignee: *See*— Kyle, Joseph H.
Arnall, Paul E., assignee: *See*— Avery, William L.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Article carrier. 2,543,821, Mar. 6.
Arnold, Edgar E.: *See*— Zenke, Herbert J., and Arnold.
Asaff, Annis G., Auburndale, and W. W. Donelson, Plympton, assignors, by mesne assignments, to Callaghan Hession Corporation, Boston, Mass. Ethyl cellulose and resinous composition. 2,544,247, Mar. 6.
Asay, Lillian M., Camden, N. J. Glare eliminating lamp unit. 2,544,439, Mar. 6.
Ashmead, Frances O., assignee: *See*— Ashmead, Harry L.
Ashmead, Harry L., Yountville, Calif., assignor of fifty per cent to F. O. Ashmead, Douglas, Wyo. Nail file vibrator device. 2,544,248, Mar. 6.
Atkinson, Jo W., Colorado Springs, Colo. Money storage container. 2,543,751, Mar. 6.
Attorney General of the United States, vested in the: *See*— Golicke, Roman.
Atwell, Harry N., Milwaukee, Wis. Dancing puppet. 2,544,124, Mar. 6.
Austin, Leslie W., San Jose, Calif., and D. Rhodes, Alfred, N. Y., assignors to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Refractory and semirefractory materials and manufacture. 2,543,752, Mar. 6.
Automatic Electric Laboratories, Inc., assignee: *See*— Ostline, John E.
Automatic Telephone & Electric Company Limited, assignee: *See*— Baker, George T.
Avery, William L., Coral Gables, Fla., assignor of one-half to P. E. Arnall, Griffin, Ga. Diaper. 2,544,002, Mar. 6.
Axe, William N.: *See*— Jones, Jean P., and Axe.
Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Color altimetry. 2,543,753, Mar. 6.
B. B. Chemical Co., assignee: *See*— Manning, Joseph F., and Seymour.
Babish, Richard C.: *See*— Waller, Fred, and Babish.
Babka, Richard J.: *See*— Beck, Frederick W., Babka, and Lukins.
Backenstо, Elwood B., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Sweetening hydrocarbon mixtures. 2,543,953, Mar. 6.
Baggs, Harry H., Yuma, Ariz. Screen attachment for vehicle ventilator windows. 2,544,003, Mar. 6.
Bailey, Edwin R., Grand Rapids, Mich. Rubber conduit cleaner of the plunger type. 2,544,290, Mar. 6.

Bain, Joseph C., and F. R. East, Toronto, Ontario, Canada. Packaging machine having article receiving and transferring sections for handling articles in group formation. 2,544,125, Mar. 6.

Balzer, Manuel M., Flushing, assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y. Alkaloid manufacture. 2,544,291, Mar. 6.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Photographic recording apparatus. 2,544,440, Mar. 6.

Baldock, Charles W., Key West, Fla. Sextant attachment. 2,544,441, Mar. 6.

Baldwin, Richard E., Couldson, assignor to Powers-Samas Accounting Machines Limited, London, England. Calculating machine. 2,544,126, Mar. 6.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Internal-combustion engine governor. 2,544,520, Mar. 6.

Bancroft, Charles, New Canaan, Conn. Rotary displacement device. 2,544,480, Mar. 6.

Bancroft, Charles, New Canaan, Conn. Rotary displacement device. 2,544,481, Mar. 6.

Barber-Colman Company, assignee: *See*—
Peterson, Burt A.

Barber, Merlin E., Decatur, Ill. Compression by-pass and wrench device. 2,543,954, Mar. 6.

Barnes, Thomas G., El Paso, Tex. Apparatus for timing the interval between impulses. 2,544,482, Mar. 6.

Barnett, Elson T., assignor to Savage-Barnett Tool Company, Phoenix, Ariz. Speed change driving head for power-driven machines. 2,544,061, Mar. 6.

Barnett, Wilford J.: *See*—
Vavra, Marvin J., and Barnett.

Barrington, Robert R., Luton, England. Closure for containers. 2,543,822, Mar. 6.

Barry, Adelbert, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Casing perforating gun. 2,543,823, Mar. 6.

Bartels, Arnold: *See*—
Stephens, Foster M., and Bartels.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Variable impedance device. 2,544,211, Mar. 6.

Bartz, Quentin R.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.

Batten, Percy H., assignee, trustee: *See*—
Lundgren, Sven G., and Eriksson.

Bauer, Clarence H., assignor to Cadillac Gage Company, Detroit, Mich. Height gauge fixture. 2,544,004, Mar. 6.

Baum, Arthur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inorganic sponge blowing agents. 2,544,483, Mar. 6.

Bausch & Lomb Optical Company, assignee: *See*—
Kreidl, Norbert J.

Bayless, Frederick B., and D. A. Chase, Odessa, Tex., assignors to Phillips Petroleum Company. Liquid seal stuffing box assembly and polished rod for the same. 2,544,212, Mar. 6.

Bayston, John R., Van Nuys, Calif. Pyrophoric cigar and cigarette lighter. 2,544,249, Mar. 6.

Beach, Ronald O., Washington, D. C. Detonator testing device. 2,543,754, Mar. 6.

Beaunit Mills, Inc., assignee: *See*—
Hatfield, Cortland.

Beck, Frederick W., Webster Grove, and R. J. Babka, St. Louis, Mo., and R. H. Lukins, assignors to Union Special Machine Company, Chicago, Ill. Top feed and presser means for sewing machines. 2,544,549, Mar. 6.

Beckwith Manufacturing Company, assignee: *See*—
Howard, Edwin A.

Bee Bee Shoe Co., assignee: *See*—
Galper, Isa.

Beemer, Paul K.: *See*—
Van Dorn, William E., and Beemer.

Beesley, Barbara: *See*—
Beesley, Benjamin M. and B.

Beesley, Benjamin M. and B., Ventura, Calif. Slidable inner jaw wrench having a pivoted rack catch. 2,543,824, Mar. 6.

Behringer, Grover F., assignor, by mesne assignments, to All Star Products, Inc., Defiance, Ohio. Tuner linkage. 2,544,127, Mar. 6.

Bell, Arthur W., San Mateo, Calif. Deep-sea fishing game. 2,544,128, Mar. 6.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Harley, Joseph J.
Johnson, Charles A., Jr., and Krumreich.
Koenig, Walter, Jr.

Belmont Radio Corporation, assignee: *See*—
Bushman, Stephen F.

Benard, Jacques A. V., assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France. Mounting and locking optical lenses in a housing. 2,544,250, Mar. 6.

Bendix Aviation Corporation, assignee: *See*—
Gilbert, Samuel and A.
House, Bryan E.
Peterson, Robert H.
Pontius, George W., III.
Price, Earl R.
Price, Harold W.

Bennett, Arthur J., and L. Lax, assignors to Pye Limited, Cambridge, England. Saw-tooth current oscillation generator. 2,544,213, Mar. 6.

Benson, Paul E., Eaton Rapids, assignor to General Motors Corporation, Detroit, Mich. Wheel cover. 2,544,129, Mar. 6.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Apparatus for gas separation by adsorption. 2,544,214, Mar. 6.

Bergen, Lionel R., Iola, Wis. Wheel mounting arrangement for vehicles. 2,544,521, Mar. 6.

Berger, Ferdinand P., Collingdale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air inlet opening arrangement for combustion chambers. 2,543,755, Mar. 6.

Bergeron, Earl J., Houston, Tex. Incinerator positioned above a hole in the earth. 2,543,756, Mar. 6.

Bergstein, Frank D., Cincinnati, Ohio. Sealed carton and method. 2,543,757, Mar. 6.

Bernhardt, Rudolph, Chicago, Ill. Dispensing closure top for servers or pitchers. 2,544,062, Mar. 6.

Bertelsen, Svend L., Shrewsbury, Mass., assignor to Wright Aeronautical Corporation. Securing members with a predetermined torque by a composite cap screw. 2,544,522, Mar. 6.

Beth, Walter F.: *See*—
Holter, Norman F., and Beth.

Beu, Karl E., Bartlesville, and H. H. Claassen, Norman, Okla., assignors to Phillips Petroleum Company. X-ray diffraction apparatus. 2,543,825, Mar. 6.

Biederman, Joseph B., Cincinnati, Ohio. Needle threader. 2,544,063, Mar. 6.

Bigelow, Merle E., Marysville, Ohio. Variable tension circular jaw animal trap. 2,543,826, Mar. 6.

Bird Electronic Corporation, assignee: *See*—
Bird, James R.

Bird, James M., Bradford, Pa. Measuring permeability and porosity of borehole sub-strata. 2,544,412, Mar. 6.

Bird, James E., Chagrin Falls, assignor to Bird Electronic Corporation, Cleveland, Ohio. Capacitor. 2,544,550, Mar. 6.

Bird, Michael, Chicago, Ill. Pulley bearing for Venetian blind head bars. 2,544,005, Mar. 6.

Birtman Electric Company, assignee: *See*—
Sparklin, Charles H.

Black, James B., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid coupling and clutch. 2,544,551, Mar. 6.

Black, Sivalls & Bryson, Inc., assignee: *See*—
Kunert, Max J.

Blackburn, Luther A., Lynwood, Calif. Connector. 2,544,484, Mar. 6.

Blackburn, Luther A., Lynwood, Calif. Chain structure. 2,544,485, Mar. 6.

Blackinton, V. H., & Co., Inc., assignee: *See*—
Moeble, Frederick W.

Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Condensation of polyhydric phenols and polyhydric alcohols. 2,544,292, Mar. 6.

Blanchet, Ovila J., New Bedford, Mass. Rain-drain attachment for automobile tops. 2,544,580, Mar. 6.

Blatti, Albert L.: *See*—
McLain, Harold O., and Blatti.

Blatti, Ruby C., executrix: *See*—
McLain, Harold O., and Blatti.

Block, William E., Chicago, Ill. Sorting and classifying system for cards or the like. 2,544,251, Mar. 6.

Bodian, Marcus, assignor to Sunbeam Lighting Company, Los Angeles, Calif. Indirect lighting fixture. 2,544,581, Mar. 6.

Bodine, Albert G., Jr., Van Nuys, Calif. Standing wave heat engine with means for supplying auxiliary air. 2,543,758, Mar. 6.

Bofinger, Karl: *See*—
Maher, William W., and Bofinger.

Bogdanoff, John L., Mahwah, N. J., assignor to Wright Aeronautical Corporation. Governor. 2,544,523, Mar. 6.

Bonnefoy, Pierre E. L., Paris, France. Combined pouring and sifting device for powdered material. 2,544,524, Mar. 6.

Bonner, Frank E.: *See*—
Ernst, Walter, and Bonner.

Booth, James H., Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,544,583, Mar. 6.

Booth, James H., Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,544,584, Mar. 6.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Bearing assembly for steering linkage and the like. 2,544,582, Mar. 6.

Bootha, Pieter C., Thabazimbi, Rustenburg District, Union of South Africa. Door and gate operating mechanism. 2,544,215, Mar. 6.

Boothroyd, Barbara W., Los Angeles, Calif. Toothbrush and casing therefor. 2,544,130, Mar. 6.

Bouwers, Albert, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Optical lens system comprising one or more aspherical refracting surfaces. 2,544,413, Mar. 6.

Bowden, Andrey J.: *See*—
Horsfall, James, Felsenthal, and Bowden.

Boyce, Edward D., Cedar Grove, N. J., assignor to Curtiss-Wright Corporation. Wrapping machine. 2,544,442, Mar. 6.

Boyd, Loyd Q., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilization of DDT solutions at low temperatures by means of nitrocycloparaffins. 2,543,956, Mar. 6.

Brackmann, Frederick A., New York, N. Y. Bathing implement. 2,544,216, Mar. 6.

Braden, René A., Hopewell, N. J., assignor to Radio Corporation of America. Frequency-modulated radar system of superheterodyne type. 2,544,293, Mar. 6.

Brandes, Roy H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Speed responsive propeller pitch controller. 2,544,131, Mar. 6.

Brateng, Carl I., Long Beach, Wash. Cranberry picker. 2,544,443, Mar. 6.

Braun, Philip N., assignor to Textile Marking Machine Co., Inc., Syracuse, N. Y. Tag holding means for laundry marking machines. 2,544,064, Mar. 6.

Bridgeport Brass Company, assignee: *See*—
Hierts, Arthur J.

Bridgman, Percy W., Cambridge, Mass., R. R. Ridgway, Niagara Falls, N. Y., and E. van der Pyl, Holden, assignors to Norton Company, Worcester, Mass. High-pressure apparatus. 2,544,414, Mar. 6.

Brockway Company, The, assignee: *See*—
Richardson, James C.

Brody, Samuel C., Cambridge, Mass. Blowtorch. 2,544,217, Mar. 6.

Brookey, Andrew C., San Antonio, Tex. Nutcracker. 2,543,886, Mar. 6.

Brooks, John W., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. 3-thienyl sulfides. 2,544,294, Mar. 6.

Broude, David, assignee: *See*—
Di Gianuantonio, Edmond P.

Brown, Caroline, New York, N. Y. Garment. 2,544,486, Mar. 6.

Brown, George H., Princeton, N. J., and G. B. MacKimmie, Montreal, Quebec, Canada, assignors to Radio Corporation of America. Percentage modulation control network. 2,543,827, Mar. 6.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, Stephen S., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for controlling the injection of fluids. 2,543,828, Mar. 6.

Brown, William C., Lincoln, and J. E. Stacy, Winthrop, assignors to Raytheon Manufacturing Company, Newton, Mass. Magnetron power supply circuits. 2,543,887, Mar. 6.

Brosek, Lawrence: *See*—
Heimann, Heinrich, and Brosek.

Brucar, Marcel D.: *See*—
Lauter, Werner M., and Brucar.

Bruce, Donald S., and H. L. Heise, assignors to Gummed Products Company, Troy, Ohio. Adhesive of water remoistenable type from lignin sulfonic acid and polyvinyl alcohol and process involved in its preparation and use. 2,544,585, Mar. 6.

Bruneau, Albert J., assignor to Institution Catholique des Sourdsmuets pour la Province de Quebec, Montreal, Quebec, Canada. Perfume atomizer. 2,543,829, Mar. 6.

Brust, Erich, Norwood, N. J. Animal trap. 2,544,295, Mar. 6.

Bua, Tony, Brooklyn, N. Y. Detachable means for combination bed structures. 2,544,132, Mar. 6.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O., and Longgren.

Bunch, George H., Statesville, N. C. Rotary fertilizer injector. 2,543,888, Mar. 6.

Burdett, Harry W.: *See*—
Palen, Peter H., and Burdett.

Burdsall, Richard L., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Transfer mechanism. 2,544,218, Mar. 6.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. 1-(p-tolylthio)-3-trimethylsilylpropane. 2,544,296, Mar. 6.

Burney, Charles D., Baynards Park, near Cranleigh, assignor to Fresh Frosen Foods Limited, London, England. Quick-freezing machine. 2,543,889, Mar. 6.

Burroughs, Louis R.: *See*—
Ulmer, William W., and Burroughs.

Burrus, Paul B., and L. A. Ditmer, Dayton, Ohio, assignors, by mesne assignments, to Standard Dayton Corporation. Electromagnetic brake device. 2,543,830, Mar. 6.

Busam, John W., Sr., Owensboro, Ky. Sick call table. 2,544,415, Mar. 6.

Bushman, Stephen F., assignor to Belmont Radio Corporation, Chicago, Ill. Protection of cathode-ray tube screens. 2,543,831, Mar. 6.

Buss, Thomas L., Lynwood, Calif. Container-handling machine for pouring from one container into another. 2,543,956, Mar. 6.

Butler, Arthur C., Colcate, assignor to Rolls Razor Limited, London, England. Safety razor. 2,543,890, Mar. 6.

Butler, Howard K.: *See*—
Wolfe, H. Hix, and Butler.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Lubricating oil containing a polymer of tetradecyl vinyl ether. 2,544,375, Mar. 6.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Lubricating oil containing a polymer of oleyl methacrylate. 2,544,376, Mar. 6.

Butterfield, Charles V., San Francisco, and E. L. Gonella, Merced, Calif. Olive pitting machine. 2,544,006, Mar. 6.

Butterfield, George H., Portland, Oreg. Corneal contact lens. 2,544,246, Mar. 6.

Cadillac Gage Company, assignee: *See*—
Bauer, Clarence H.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle body construction. 2,544,525, Mar. 6.

Cady, William P., Glendale, Calif. Bottle cap. 2,544,586, Mar. 6.

Caligiuri, Carmen J.: *See*—
Gustafson, Jarl A., Caligiuri, and Kumsa.

Callaghan Hession Corporation, assignee: *See*—
Asaff, Annis G., and Donelson.

Callan, Patrick J., Great Neck, N. Y. Collapsible form for concrete wall construction. 2,544,297, Mar. 6.

Caluthis, Nick, New York, N. Y. Sanitary neck protector. 2,544,487, Mar. 6.

Calvert, John F., Huntington, Ind. Pot lid holder. 2,543,832, Mar. 6.

Canadian Industries Limited, assignee: *See*—
Allenby, Owen C. W.
Segall, Gordon H.

Cannon, Earl, Downers Grove, and J. N. Heater, Flossmoor, assignors to American Steel Foundries, Chicago, Ill. Automatic press. 2,543,759, Mar. 6.

Cantley, Joseph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine for stitchdown shoes. 2,543,760, Mar. 6.

Carboloy Company, Inc., assignee: *See*—
Duncan, Hershel B.

Cardox Corporation, assignee: *See*—
Gets, Charles A.

Caredio, Primo R.: *See*—
Duccini, Gaetano, and Caredio.

Carlson, Arthur C., Anacortes, assignor, by mesne assignments, to American Manufacturing Company, Inc., Tacoma, Wash. Edge-gluing of veneer. 2,544,133, Mar. 6.

Carlson, Martin, Brookfield, assignor, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Door closer. 2,544,252, Mar. 6.

Carlson, Martin, Brookfield, and O. D. Michaelsen, Evergreen Park, assignors, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Door closer mechanism. 2,544,253, Mar. 6.

Carlson, Wendell L., and R. L. Harvey, Princeton, N. J., assignors to Radio Corporation of America. Variable ultra high frequency circuits. 2,543,891, Mar. 6.

Carnell, Paul H., Alma, Mich., assignor to Phillips Petroleum Company. Production of drying oils by treatment of acid-soluble oils with hydrofluoric acid. 2,544,552, Mar. 6.

Carpenter, John H. K., Richmond, Va. Inner collapsible molding form. 2,543,892, Mar. 6.

Carr, Richard E., Alma, Mich. Stocking attachment. 2,544,065, Mar. 6.

Casablancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.

Celanese Corporation of America, assignee: *See*—
Elvin, William J., and McLuckie.
Lease, Delbert B.

Chain Belt Company, assignee: *See*—
Hawkins, Roy M.
Hilkemeier, Louis G.
Hilkemeier, Louis G., and Hawkins.

Chandler, Chester C., Austin, Tex. Automatic gate. 2,543,893, Mar. 6.

Chase, Dean A.: *See*—
Bayless, Frederick B., and Chase.

Chatillon, John, & Sons, assignee: *See*—
Conklin, George W.

Chefford Master Manufacturing Co. Inc., assignee: *See*—
Andrews, John L.

Chemische Fabriek L. Van Der Grinten, assignee: *See*—
Van der Grinten, Karel J. J.

Chenault, Richard H., Lexington, Ky. Mechanical car washer. 2,544,066, Mar. 6.

Chicago Pneumatic Tool Company, assignee: *See*—
Maurer, Spencer B.

Child, James L., Jr., assignor to The Hancock Brick and Tile Company, Findlay, Ohio. Sewer pipe cutting mechanism. 2,544,254, Mar. 6.

Chireix, Henri, Paris, France, assignor to Societe Francaise Radio Electrique. Ultra-short wave repeater. 2,544,255, Mar. 6.

Chirite, John D., Detroit, Mich. Handset support and induction pickup for telephone amplifying system. 2,543,761, Mar. 6.

Chittenden, Barrett W., Bedford, assignor to Finlok Block, Inc., East Cleveland, Ohio. Process and apparatus for making concrete blocks. 2,544,488, Mar. 6.

Chodacki, Joseph, and A. Zak, Detroit, Mich. Electromagnetic mechanism for agitating cradles. 2,544,298, Mar. 6.

Christensen, Willard L., Moylan, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid fuel and atomizing ring for annular combustion chambers. 2,543,762, Mar. 6.

Christmann, Ludwig J.: *See*—
Houpt, Alfred G., and Christmann.

Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Cadwallader, Robert.
McCarthy, George D., and Edwards.
Qualley, Ray W., and Newton.
Wyeth, Nathaniel.

Ciaccio, Peter L., assignor to Flexible Sewer Rod Equipment Company, Los Angeles, Calif. Reeling, rotating, and driving unit for sewer cleaning rods. 2,544,256, Mar. 6.

Cities Service Oil Company, assignee: *See*—
Friedman, Louis D., and Hughes.

City of Milwaukee, Sewerage Commission of the, assignee: *See*—
Miner, Carl S., Jr., and Wolnak.

Claassen, Howard H.: *See*—
Beu, Karl E., and Claassen.

Clark, Horace E., Atlanta, Ga. Portable blower. 2,543,833, Mar. 6.

Clark, John R., Jr., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematography. 2,544,257, Mar. 6.

Clark, Louis M., Fort Collins, Colo. Bevel recessing reamer. 2,544,444, Mar. 6.

Clark, Warren H., Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Liquid pulsator system with pressure compensation. 2,544,134, Mar. 6.

Clayton Manufacturing Company, assignee: *See*—
Griswold, Donald G.

Cloud, Raymond T., assignor to North American Geophysical Company, Houston, Tex. Component resolver for mapping apparatus. 2,544,587, Mar. 6.

Coca-Cola Company, The, assignee: *See*—
Copping, Bruce G.

Cohen, Maurice M., Cleveland Heights, Ohio. Power-operated tool driving apparatus. 2,544,219, Mar. 6.

Cohn, Irwin, Leominster, Mass. Doll joint. 2,544,135, Mar. 6.

Coleman, Frederick G., West Wickham, England. Collapsible gate, door, and the like. 2,544,008, Mar. 6.

Colgate-Palmolive-Peet Company, assignee: *See*—
Sartorius, William.

Collinson, Stanley E., New York, assignor to Newport Optical Mfg. Co., Inc., Brooklyn, N. Y. Temple shaping tool. 2,544,067, Mar. 6.

Colombo, Roberto, Turin, Italy. Screw press for mixing and extruding plastic materials. 2,543,894, Mar. 6.

Columbia Broadcasting System, Inc., assignee: *See*—
Goldmark, Peter C.

Columbus Coated Fabrics Corporation, assignee: *See*—
Ernst, Walter, and Bonner.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Henkel, Erich W.

Comstock, Daniel F.: *See*—
Whitney, Lyman F. and W. E., and Comstock.

Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping carrier for stores. 2,544,220, Mar. 6.

Conner, Joshua C., Jr., assignor to Hercules Powder Company, Wilmington, Del. Electrolytic reduction of hydroperoxides. 2,543,763, Mar. 6.

Conrad, Louis J.: *See*—
Marasco, Martin, Conrad, and Moede.

Container Corporation of America, assignee: *See*—
Snyder, Leonard W.

"Contina" Büro-und Rechenmachinenfabrik A. G., assignee: *See*—
Herzstark, Curt.

Controulis, John: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Barts.

Conzetti, Achille, and G. Schetty, assignors to J. R. Geigy A.-G., Basel, Switzerland. Chromable azo dyestuffs. 2,544,068, Mar. 6.

Cook, Charles B., Los Angeles, Calif. Apparatus for sterilizing containers. 2,544,007, Mar. 6.

Cooke, Francis C., Hartford, Conn. Attachment for floor sanders or the like. 2,544,377, Mar. 6.

Copley, Lewis L.: *See*—
Matthews, Charles S., and Copley.

Copping, Bruce G., Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Peristaltic pump. 2,544,628, Mar. 6.

Corbett, Lawrence B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Coating device for engraved cylinders. 2,543,895, Mar. 6.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Lee, Robert H.

Corrugated Packing and Sheet Metal Company Limited, The, assignee: *See*—
Nicholson, James B.

Cory Corporation, assignee: *See*—
Sell, Lewis W.

Corzilius, Alvin B., Lawrence Park Township, Erie County, Pa. Production control board. 2,544,445, Mar. 6.

Cottrell, Samuel M., Richmond, Va. Tonsil enucleator. 2,544,588, Mar. 6.

Crabb, Silas F., Des Moines, Iowa. Cleaning attachment for sweeper nozzles. 2,544,489, Mar. 6.

Craymer, Henry J., Chelmsford, England. Loom. 2,544,526, Mar. 6.

Creighton, Francis S., Elmira, N. Y. Visor for spectacles. 2,544,221, Mar. 6.

Cress Laboratories, assignee: *See*—
Heidmann, Henry J.

Critcher, Clem N., Detroit, Mich. Hand cultivating and weeding tool. 2,544,136, Mar. 6.

Crompton & Knowles Loom Works, assignee: *See*—
Payne, Oscar V.

Crooks, Harry M., Jr., M. C. Rebstock, J. Controulis, and Q. R. Barts, assignors to Parke, Davis & Company, Detroit, Mich. Organic nitro diol derivatives and metal salts thereof. 2,543,957, Mar. 6.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Machinery for cutting out pieces of plastic material from a continuously moving sheet. 2,544,527, Mar. 6.

Cullen, Walter D., Cleveland, Ohio. Air heater for motor vehicles. 2,544,446, Mar. 6.

Cummings, John D., Schenectady, N. Y. Rotating seesaw. 2,544,589, Mar. 6.

Curley, Morton B., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Adjustable cowling for fans or the like. 2,544,490, Mar. 6.

Curtiss-Wright Corporation, assignee: *See*—
Boyce, Edward D.
Dodds, William R.
Enos, Louis H.
Santucci, Lawrence F., and Showalter.
Sourwine, William A.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Diaralkyl carbinyl esters of dialkylamino alkanoates and the production thereof. 2,543,764, Mar. 6.

Cutler, H. H., Company, assignee: *See*—
Cutler, Henry H.

Cutler, Henry H., Lakeside, assignor to H. H. Cutler Company, Grand Rapids, Mich. Ventilated infant's garment. 2,544,069, Mar. 6.

Cutter Laboratories, assignee: *See*—
Emery, Byron, and Elder.

Cyphert, Elmer E., Norwalk, Ohio. Fire extinguisher. 2,544,137, Mar. 6.

Cyr, Cyrille A., Detroit, Mich. Fog filter for headlights. 2,544,378, Mar. 6.

Daily, David L., Birmingham, Ala. Christmas tree stand. 2,543,896, Mar. 6.

Dalzell, Stewart, III.: *See*—
Reber, Clarence G., and Dalzell, III.

D'Amico, Angelo, Brooklyn, N. Y. Machine for filling hassocks and cushions with filling tube and releasably positioned compressor disk. 2,544,222, Mar. 6.

Damon, Ralph S., Cleveland, and R. H. Hunter, Gates Mills, Ohio, said Damon assignor to said Hunter. Liquid fuel burner with mixing and igniting means. 2,544,299, Mar. 6.

Daniels, Theodore H., Seattle, Wash. Cream separator and pouring spout. 2,544,070, Mar. 6.

Danielson, Elmer L.: *See*—
Dofsen, Floyd J., and Danielson.

Daven Company, The, assignee: *See*—
Keroes, Herbert I.

Davenport, Oscar J., Pascagoula, Miss. Ventilating apparatus. 2,544,379, Mar. 6.

Davenport, William F., Stratford, and H. A. Smith, Fairfield, Conn. Brassière. 2,544,300, Mar. 6.

Davidson, Trevor O., Milwaukee, and B. L. Longgren, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Winch for convertible draglines and shovels. 2,543,765, Mar. 6.

Davis, Edward D., and J. E. Germain, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Agitation of pulps and the like. 2,544,301, Mar. 6.

Davis, George B., Jr., Green Acres, Md., assignor to the United States of America as represented by the Secretary of War. Barrel extension and coupling device for attachment to gun barrels. 2,543,766, Mar. 6.

Davis, Herbert L., Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shock damper for electromagnetic devices. 2,544,491, Mar. 6.

Davis, John D., Charlestown, N. H., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Work loading means for machine tools. 2,543,834, Mar. 6.

Davis, William W., Greenwood, and T. V. Parke, assignors to Eli Lilly and Company, Indianapolis, Ind. Capillary tube handling and projecting apparatus. 2,544,629, Mar. 6.

Davy and United Engineering Company, Limited, assignee: *See*—
Marshall, Alec F., and Rees.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Eickmeyer, Earl E.
Wolfe, H. Hix.

Dayton Pump and Mfg. Company, The, assignee: *See*—
Wolfe, H. Hix, and Butler.

Dayton Steel Foundry Company, The, assignee: *See*—
Walther, Daniel A.

Dearborn Motors Corporation, assignee: *See*—
Richey, Clarence B.

De Becze, George I., Cincinnati, H. N. Moore, North College Hill, and E. Schraffenberger, Cincinnati, Ohio, assignors to Schenley Industries, Inc. Increasing the riboflavin content of liquid biologically active or nutritive materials. 2,543,897, Mar. 6.

Deere & Company, assignee: *See*—
Lindeman, Jesse G.

Delman, Inc., assignee: *See*—
Sabo, Louis.

De Nora, Oronzio, Milano, Italy. Electrolytic cell with mobile mercury cathode. 2,544,138, Mar. 6.

De Remer, Robert B., Williamsport, Pa. Automatic drill chuck. 2,543,958, Mar. 6.

Détrea, René, Nogent-sur-Marne, France. Stoppering and the like machines having hydraulic moving and locking means. 2,544,009, Mar. 6.

Detroit Harvester Company, assignee: *See*—
Floraday, Burton S.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Pelletizing ore fines. 2,543,898, Mar. 6.

De Vito, Angelo R., Cleveland Heights, assignor to R. I. Schonitzer, Cleveland, Ohio. Door check and holding device. 2,544,528, Mar. 6.

Dewey, Maurice J., Detroit, Mich. Gas-fired immersion heating apparatus. 2,543,835, Mar. 6.

Deyrup, Alden J., Westfield, N. J., and J. H. Peterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Enameling aluminum-rich alloys. 2,544,139, Mar. 6.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 1-hydroxy-4-polyfluoroalkylaminoanthraquinone compounds. 2,543,767, Mar. 6.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Keyboard. 2,543,899, Mar. 6.

Dictaphone Corporation, assignee: *See*—
Frans, Frederick.

Di Giannantonio, Edmond P., Brookline, assignor of twenty-five per cent to D. Broude and E. Wolf, Boston, Mass. Phonograph record. 2,544,010, Mar. 6.

Di-Noc Company, The, assignee: *See*—
Reese, Thomas S.

Ditmer, Lowell A.: *See*—
Burrus, Paul B., and Ditmer.

Dodds, William R., Paterson, N. J., assignor to Curtiss-Wright Corporation. Apparatus for producing shaped sections. 2,544,447, Mar. 6.

Dodge Manufacturing Corporation, assignee: *See*—
Firth, David.
Lower, Donald P.

Dofsen, Floyd J., Milibrae, and E. L. Danielson, Oakland, Calif. Forming an article from at least two plastics. 2,544,140, Mar. 6.

Donahue Corporation of Canada Ltd., assignee: *See*—
West, William.

Donelson, William W.: *See*—
Asaff, Annis G., and Donelson.

Donleavy, John J., Montclair, N. J., assignor to Allied Chemical & Dye Corporation. Weed control. 2,544,141, Mar. 6.

Double, Walter F.: *See*—
Snow, Virgil L., and Double.

Douglas, Donald J.: *See*—
Palmquist, Philip V., and Douglas.

Dow Chemical Company, The, assignee: *See*—
Reinhardt, Robert C.

Dow Corning Corporation, assignee: *See*—
Goodwin, John T., Jr.

Downey, George T., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Motor operated valve shaft. 2,544,448, Mar. 6.

Downing, Francis H., Fresno, Calif. Staple holder. 2,544,492, Mar. 6.

Dritley, William F., Benton Harbor, Mich. Axle stub-removing tool. 2,544,142, Mar. 6.

Duccini, Gaetano, and P. R. Caredio, San Francisco, Calif. Metallizing spray gun. 2,544,259, Mar. 6.

Dudley, Frank E., Philadelphia, Pa., and B. A. Dudley, North Kenova, Ohio. Television antenna bracket. 2,543,900, Mar. 6.

Dudley, James R., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Diethylenetrimelamine and preparing the same. 2,544,071, Mar. 6.

Dudley, Roy A.: *See*—
Dudley, Frank E. and R. A.

Duncan, Hershel B., assignor to Carboloy Company, Inc., Detroit, Mich. Heading die and making it. 2,544,302, Mar. 6.

Dunkelberger, Milton S., Dayton, Ohio. Magnetic retriever. 2,544,449, Mar. 6.

Dunn, Benjamin, West Hartford, Conn. Sheet feeding machine. 2,543,836, Mar. 6.

Dunn, Henry, Detroit, Mich. Level-wind mechanism. 2,544,143, Mar. 6.

Dunne, James J., Westport, Conn., and O. S. Tuttle, New Rochelle, assignors to United States Plywood Corporation, New York, N. Y. Plywood tubing. 2,543,901, Mar. 6.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Baum, Arthur A.
Deyrup, Alden J., and Peterson.
Lyon, Donald W.
Marasco, Martin, Conrad, and Moede.
Patterson, Gordon D., and Stark.
Siemons, Otto.
Sorenson, Ben E.
Thomas, Robert J.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

Dutra, John, Jr., assignor to L. Miller, Modesto, Calif. Rotary centrifugal pulverizer with intermeshing knives on rotor and stator. 2,544,072, Mar. 6.

Duvall, Thure C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Control for pneumatic packing systems. 2,544,011, Mar. 6.

Dye, Raymond C., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radio frequency voltage supply. 2,543,902, Mar. 6.

Dyson, Louis M., and J. G. Root, assignors to The American Hardware Corporation, New Britain, Conn. Bicycle lock. 2,544,590, Mar. 6.

Eakin, Lourie L., Ventura, Calif. Hoist mechanism. 2,544,553, Mar. 6.

Earle, Norman E., Groveland, and T. B. Robinson, Winchester, Mass., assignors to Western Electric Company, Incorporated. Holding fixture for articles. 2,544,303, Mar. 6.

East, Frank R.: *See*—
Bain, Joseph C., and East.

Eastin, William C., Palo Alto, Calif., assignor to Food Machinery and Chemical Corporation, Wilmington, Del. Magnesium oxychloride cement mix and making. 2,543,959, Mar. 6.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B.

Eaton Manufacturing Company, assignee: *See*—
Matulaitis, Victor E.

Eckenbeck, Dana C., P. E. Slaughter, and C. L. Madden, Minneapolis, Minn. Plug-nut. 2,544,304, Mar. 6.

Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Indicating and control device. 2,544,012, Mar. 6.

Edwards, Arthur H.: *See*—
McCarthy, George D., and Edwards.

Egyptian Lacquer Manufacturing Company, The, assignee: *See*—
Peck, Dwight C.

Ehrhart, Gustav, assignor to Farbwerke Hoechst Vormals Meister Lucius & Bruning, Frankfurt-on-the-Main, Germany. Alpha-ammomethyl, alpha-amino araliphatic acids. 2,543,837, Mar. 6.

Eickmeyer, Allen G.: *See*—
Walker, Scott W., and Eickmeyer.

Eickmeyer, Earl E., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Hose for dispensing pump and means for supporting a loop therein. 2,544,073, Mar. 6.

Elder, Wayne L.: *See*—
Emery, Byron, and Elder.

Ellis, William D., Atlanta, Ga. Laundry net. 2,544,223, Mar. 6.

Ellis, William P., Palo Alto, Calif., assignor to General Motors Corporation, Detroit, Mich. Oil burner pump. 2,544,144, Mar. 6.

Ellsworth, Carl E., Louisville, and A. E. Gilbert, near Louisville, assignors to The Girdler Corporation, Louisville, Ky. Transfer switch for high-frequency heating systems. 2,543,768, Mar. 6.

Ellwein, Fred, Sidney, Mont. Animal trap. 2,544,145, Mar. 6.

Elmer, George P., Monaca, assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Thread protector. 2,543,960, Mar. 6.

Elvin, William J., and G. L. McLuckie, Frostburg, Md., assignors to Celanese Corporation of America. Tape belt. 2,543,903, Mar. 6.

Emery, Byron, Hayward, and W. L. Elder, Richmond, assignors to Cutter Laboratories, Berkeley, Calif. Ampoule filling machine. 2,544,416, Mar. 6.

Emmons, Willard O.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Engebretson, John C., Montevideo, Minn. Anchoring device for checkrow wires. 2,544,260, Mar. 6.

Enos, Louis H., Montclair, N. J., assignor to Curtiss-Wright Corporation. Closure for hollow propeller blade tips. 2,544,450, Mar. 6.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.

Erikson, Carl R., assignor to The Arabol Mfg. Co., New York, N. Y. Adhesive composition for metal foil to paper laminating. 2,544,146, Mar. 6.

Eriksson, Erik O.: *See*—
Lundgren, Sven G., and Eriksson.

Erlandson, Paul M., United States Navy. Directional indicator. 2,543,769, Mar. 6.

Ernst, Daniel, assignor to Maag-Zahnrader und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Knife-edge bearing. 2,544,591, Mar. 6.

Ernst, Henry, Jr., Roselle, N. J., assignor to Standard Oil Development Company. Oxygen removal from absorption oils. 2,543,838, Mar. 6.

Ernst, Walter, Mount Gilead, and F. E. Bonner, Dayton, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Collapsible frame for utility baskets. 2,544,074, Mar. 6.

Ernst, Walter, Mount Gilead, and F. E. Bonner, Dayton, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Basket framework lining and blank therefor. 2,544,075, Mar. 6.

Ernst, Winfield G., and R. M. Newlin, York, Pa., said Ernst assignor to said Newlin. Automobile jack. 2,543,904, Mar. 6.

Essner, Franklin J., assignee: *See*—
Stuckey, Samuel G.

Euclid Road Machinery Co., The, assignee: *See*—
Snow, Virgil L., and Double.

Evans, Whiting, Brooklyn, N. Y. Clasp. 2,544,147, Mar. 6.

Even-Pul Foundations, Inc., assignee: *See*—
Morano, Patrick J.

Exmet Electrical Corporation, assignee: *See*—
Horsfall, James, Felsenthal, and Bowden.

Exolon Company, The, assignee: *See*—
Amberg, Charles R., and Walton.

Farbwerke Hoechst Vormals Meister Lucius & Bruning, assignee: *See*—
Ehrhart, Gustav.

Faris, William W., Webster Groves, Mo. Container. 2,543,839, Mar. 6.

Farnsworth Research Corporation, assignee: *See*—
Henroteau, François C. P.

Fatzinger, Erastus A.: *See*—
Reimert, Lawrence J., and Fatzinger.

Faximile, Inc., assignee: *See*—
Hester, Frank A., and Smith.
Long, John H.

Federal Manufacturing & Engineering Corp., assignee: *See*—
Weiser, Sidney.

Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Spark plug construction. 2,543,961, Mar. 6.

Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Spark plug construction. 2,543,962, Mar. 6.

Feinberg, Emanuel, Detroit, Mich. Air conditioning apparatus. 2,544,592, Mar. 6.

Feist, Samuel R., Wichita, Kans. Carriage and lift apparatus. 2,544,593, Mar. 6.

Fellows Gear Shaper Company, The, assignee: *See*—
Davis, John D.

Felsenthal, Robert M.: *See*—
Horsfall, James, Felsenthal, and Bowden.

Fesen, John C., and M. Goldstein, United States Navy. Self-sealing closure comprising spring actuated hinged doors with knife edges. 2,543,770, Mar. 6.

Feyrer, William F.: *See*—
Solomon, Nathan L., Feyrer, and Anderson.

Fielden, John E., Sale, England. Electrical determination of moisture content and other properties. 2,544,529, Mar. 6.

Filenbaum, David, Wood Ridge, N. J. Removable purse for handbags. 2,544,493, Mar. 6.

Finke, Christian J., Drexel Hill, and M. A. Guzman, Philadelphia, Pa., assignors to General Electric Company. Multiple key locking system. 2,544,305, Mar. 6.

Finlok Block, Inc., assignee: *See*—
Chittenden, Barrett W.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 2,543,905, Mar. 6.

Fisher, Robert G., Coplay, Pa. Steam boiler. 2,544,013, Mar. 6.

Fisher, W. Reuen, Woodland, Mich. Drill guide bushing. 2,543,840, Mar. 6.

Fitzpatrick, W. J., Company, The, assignee: *See*—
Fitzpatrick, William J.

Fitzpatrick, William J., Western Springs, assignor to The W. J. Fitzpatrick Company, Chicago, Ill. Preparing corn. 2,544,380, Mar. 6.

Flanagan, John, Maylands, assignor to Twentieth Century Inventions Limited, Adelaide, South Australia, Australia. Perpetual calendar. 2,544,148, Mar. 6.

Fleck, Charles, La Chaux de Fonds, assignor to S. A. Les Fabriques de Balanciers Reunies, Bienne, Switzerland. Balance wheel for timepieces. 2,544,306, Mar. 6.

Flexible Sewer Rod Equipment Company, assignee: *See*—
Ciaccio, Peter L.

Flint, Charles R., La Porte, Ind. Piston. 2,544,494, Mar. 6.

Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Window regulator mechanism. 2,544,451, Mar. 6.

Flowers, Ralph G.: *See*—
Miller, Harry F., and Flowers.

Flnor Corporation, Ltd., The, assignee: *See*—
Stephens, Foster M., and Bartels.

Föderl, Wilhelm, Vienna, Austria. Mixing device for gases. 2,544,149, Mar. 6.

Foley, Francis B., assignor to The Midvale Company, Philadelphia, Pa. Metal alloy especially adapted for use at high temperatures. 2,543,841, Mar. 6.

Food Machinery and Chemical Corporation, assignee: *See*—
Eastin, William C.

Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Perforated record analyzing means with removable brush holder. 2,543,906, Mar. 6.

Fourneau, Ernest, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Quaternary ammonium salts of di- and tri-(dialkylaminoalkoxy)-benzenes. 2,544,076, Mar. 6.

Fourrier, Francis L., and J. Opryshek, Jr., Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing oil from filter cakes. 2,544,307, Mar. 6.

Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Nonfoaming soap composition. 2,543,744, Mar. 6.

Franklin, Paul E., Amarillo, Tex. Deformable firearm bore wiper. 2,544,150, Mar. 6.

Fransen, David, assignee: *See*—
Sturgeon, Halbert C.

Fransen, Lillian W., assignee: *See*—
Sturgeon, Halbert C.

Frans, Frederick, West Haven, Conn., assignor to Dictaphone Corporation, New York, N. Y. Stylus construction. 2,544,495, Mar. 6.

Fresh Frozen Foods Limited, assignee: *See*—
Burney, Charles D.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polysulfone resin process and composition. 2,543,842, Mar. 6.

Friedman, Louis D., and W. B. Hughes, Barnsdall, assignors to Cities Service Oil Company, Bartlesville, Okla. Refining of organic compounds. 2,544,308, Mar. 6.

Frosch, Alex, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Magnetic field measuring device. 2,543,843, Mar. 6.

Fryling, Charles F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Plasticizing synthetic rubber with a reaction product of an alkyl mercaptan and a rubbery diolefin polymer. 2,543,844, Mar. 6.

Fryling, Charles F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Plasticising synthetic rubber with a reaction product of an alkyl mercaptan and said rubber. 2,543,845, Mar. 6.

Frysh, Peter P., Chicago, Ill. Bag seal. 2,544,452, Mar. 6.

Fulton Company, The, assignee: *See*—
Riemann, Howard C.

Furman, Frank J.: *See*—
Rabenda, Edward J., and Furman.

Future Products, assignee: *See*—
Leitzel, Ammon M.

Gabel, Charles, Hawkeye, Iowa. Dustpan. 2,544,014, Mar. 6.

Gabrielson, Samuel I., Southport, Conn., assignor to General Electric Company. Release and reset mechanism for clothes wringers. 2,544,309, Mar. 6.

Gamn, Harry, assignor to The A. P. Smith Manufacturing Company, East Orange, N. J. Gasketed joint. 2,543,963, Mar. 6.

Galland, Charles, Fall River, Mass. Shuttle binder. 2,544,015, Mar. 6.

Galper, Isa, assignor to Bee Bee Shoe Co., Manchester, N. H. Automatic sole laying press. 2,543,771, Mar. 6.

Gardner, Charles B., Troy, N. Y. Projectile-actuated surge generator. 2,544,077, Mar. 6.

Gaspar, Bela, assignee: *See*—
Jennen, Jacob J., and Michaelis.

Gass, Bernhard J., Washington, D. C. Housing and training coop for chickens. 2,544,496, Mar. 6.

Gaudin, Armand T., Montrouge, France. Machine for manufacturing pipes. 2,544,453, Mar. 6.

Gauger, Frank A., Milwaukee, Wis. Automatic lighting and control means for gas burners. 2,544,454, Mar. 6.

Geigy, J. R., A.-G., assignee: *See*—
Consetti, Achille, and Schetty.
Hindermann, Peter.

General Aniline & Film Corporation, assignee: *See*—
Fox, Arthur L.
Grimmel, Harry W., and Strobel.
Shrader, Marvin O.

General Electric Company, assignee: *See*—
Burkhard, Charles A.
Finke, Christian J., and Guzman.
Gabrielson, Samuel I.
Hebbel, Emfie E., Jr.
Hurd, Dallas T.
Mason, Charles R.
Maxwell, Donald E.
Miller, Harry F., and Flowers.
Miller, Homer H.
Miner, Carroll R.
Mitag, Albert H.
Schmidt, Marvin L.
Storm, Herbert F.
Wotring, Gaylord H.

General Motors Corporation, assignee: *See*—
Benson, Paul E.
Brandes, Roy H.
Ellis, William P.
Rady, William J., and Rice.
Rogers, Philip S., Emmons, Godfrey, and Kelso.

General Railway Signal Company, assignee: *See*—
Rees, Frank X.

Gerhan, Arnold B., San Francisco, Calif. File cleaner. 2,544,310, Mar. 6.

Germain, Joseph E.: *See*—
Davis, Edward D., and Germain.

Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Fire extinguishing system. 2,544,016, Mar. 6.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing copolymers of olefins and esters of alpha, beta-unsaturated polybasic acids. 2,543,964, Mar. 6.

Gibson, Alan F., Malvern Link, England. Infrared sensitive cell. 2,544,261, Mar. 6.

Gibson, Walter T., Dravosburg, and W. L. Zemberry, Pittsburgh, Pa., assignors to National Tube Company. 2,544,530, Mar. 6.

Gilbert, Arthur E.: *See*—
Ellsworth, Carl E., and Gilbert.

Gilbert & Barker, Manufacturing Company, assignee: *See*—
Rapisarda, Edward D.

Gilbert, Samuel, Cedar Grove, and J. R. Anderson, Morristown, assignors to Bendix Aviation Corporation, Teterboro, N. J. Element and accessory of power plants. 2,544,151, Mar. 6.

Gillette Safety Razor Company, assignee: *See*—
Young, Louis H.

Girdler Corporation, The, assignee: *See*—
Ellsworth, Carl E., and Gilbert.
Proctor, Austin.

Gisholt Machine Company, assignee: *See*—
Leifer, Lorens A.

Glassbrook, Clarence I., Glen Echo Farm, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Radio-frequency spectrometer. 2,544,078, Mar. 6.

Glenside Bag Company, assignee: *See*—
Wagner, Melvin.

Gloess, Paul F. M., and L. J. Libois, Paris, France. Pulse permutating electrical circuits. 2,543,907, Mar. 6.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Leslie J., Bromborough, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner nozzle. 2,544,417, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Driving means for rotating combustion chambers. 2,544,418, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber with wide-angle discharge for use in propulsion apparatus. 2,544,419, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber in rotating annular casing. 2,544,420, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Automatic control mechanism for gas storage tanks. 2,544,421, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling means for a combustion chamber and nozzle in which solid fuel is burned. 2,544,422, Mar. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid-sealing means between stationary and rotated parts. 2,544,423, Mar. 6.

Godfrey, John W.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Goldfarb, Adolph, assignor to M. R. Kraus, Chicago, Ill., as trustee. Child's feeding device. 2,544,594, Mar. 6.

Goldmark, Peter C., New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,543,772, Mar. 6.

Goldmerstein, Isaac, New York, N. Y. Cooling belt. 2,544,381, Mar. 6.

Goldschmidt, Ernst E., London, England. Denture. 2,543,773, Mar. 6.

Goldstein, Morris: *See*—
Fesen, John C., and Goldstein.

Golicke, Roman, Finkenkrug-Osthavelland, Germany, vested in the Attorney General of the United States. Oscillator circuit arrangement. 2,544,017, Mar. 6.

Gonella, Eugene L.: *See*—
Butterfield, Charles V., and Gonella.

Goodrich, B. F., Company, The, assignee: *See*—
Davis, Herbert L.

Goodrich, B. F., Company, The, assignee: *See*—
Kerr, Henry H.
L'Hollier, Leslie H.
Sternad, Frank S., and Seifried.

Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Silahydrocarbons. 2,544,079, Mar. 6.

Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Container closure. 2,543,774, Mar. 6.

Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Container closure. 2,543,775, Mar. 6.

Gora-Lee Corporation, The, assignee: *See*—
Gora, Henry Z.

Gordon, Claud S., Company, assignee: *See*—
Kyle, Andrew S.

Gottler, Thomas L., Princeton, N. J., assignor to Radio Corporation of America. Receiving system for electric waves. 2,544,311, Mar. 6.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Making print rolls. 2,544,455, Mar. 6.

Gregory Motors, Inc., assignee: *See*—
Quick, Frederick A.

Greisen, Elijah C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for cooling granular solids. 2,543,776, Mar. 6.

Grimmel, Harry W., Riegelsville, Pa., and A. F. Strobel, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Furoic amides of amino naphthols. 2,543,745, Mar. 6.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Quick-operating pressure relief valve. 2,543,846, Mar. 6.

Gross, Leslie C., Hughson, Calif. Low bed vehicle. 2,544,456, Mar. 6.

Grove Farm Company, Limited, assignee: *See*—
Moragne, William M.

Grunwald, Edward, New York, and F. S. Ruben, Kew Gardens, N. Y. Pivoted closure cap for the outlet opening in a container neck, frictionally biased in closed position. 2,544,382, Mar. 6.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gummed Products Company, assignee: *See*—
Bruce, Donald S., and Heise.

Guedorf, Frederik H., and C. Veenis, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency coil system. 2,544,152, Mar. 6.

Gustafson, Jarl A., C. J. Caligiuri, and J. J. Kumsa, Pittsburgh, assignors, by mesne assignments, to G. E. Hilliard, Brackenridge, Pa. Combined table and chair for infants. 2,544,080, Mar. 6.

Gusey, George, Valdosta, Ga. Artificial leg. 2,543,908, Mar. 6.

Guzman, Miguel A.: *See*—
Finke, Christian J., and Guzman.

Haase, Louis, Norgate at Roslyn, N. Y. Bobby pin opener and holder. 2,544,595, Mar. 6.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Circular slide rule. 2,544,224, Mar. 6.

Hageman, Louis F.: *See*—
Mabon, Carl R., and Hageman.

Hale Fire Pump Co., assignee: *See*—
Sargent, Richard B.

Hall, Fred S., San Francisco, Calif. Overflow drain for tar cookers. 2,544,153, Mar. 6.

Hall, James M., Phoenix, Ariz. Liquid level gauge. 2,544,262, Mar. 6.

Hallén, Alf E., Goteborg, Sweden. Ship derrick mast. 2,544,081, Mar. 6.

Hallstedt, Paul, assignor to L. L. Murphy, Grand Rapids, Mich. Sling for use in the treatment of unilateral leg diseases. 2,543,847, Mar. 6.

Hamilton, Joseph R., Baker, Oreg. Flight control for model airplanes. 2,543,965, Mar. 6.

Hamilton, Lloyd W., Elmira, N. Y. Paint pail cradle. 2,544,312, Mar. 6.

Hampton, Elmer N., Rolla, Mo. Tubular turbine. 2,544,154, Mar. 6.

Hana, Thomas C., Great Neck, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill. Relaxation type of electrical measuring system. 2,544,531, Mar. 6.

Hancock, Benjamin W., and J. B. Maier, assignors to Maier-Hancock Corp., Pacoima, Calif. Film splicing machine. 2,544,082, Mar. 6.

Hancock Brick and Tile Company, The, assignee: *See*—
Child, James L., Jr.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Speed regulation of dynamotors. 2,544,383, Mar. 6.

Hanson, George, Ottawa, Ontario, Canada. Gun sighting aid. 2,543,848, Mar. 6.

Harkenrider, Robert J., Cleveland, Ohio, assignor to Allied Chemical & Dye Corporation. Apparatus for feeding material at a predetermined rate. 2,544,155, Mar. 6.

Harlan, James T., Jr.: *See*—
Liedholm, George E., and Harlan.

Harley, Joseph J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable lashing machine. 2,544,313, Mar. 6.

Harper-Wyman Company, assignee: *See*—
Lamar, Charles C., and Peterson.

Harrington, Walter R., Rising Sun, Md. Welding helmet. 2,544,457, Mar. 6.

Harrison, Alban: *See*—
Whitfield, Harold R., and Harrison.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Gusdorf, Frederik H., and Vreuls.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Van Yzeren, Ewoud A.

Harvey, Robert L.: *See*—
Carlson, Wendell L., and Harvey.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.

Hatfield, Cortland, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Spinning funnel. 2,544,018, Mar. 6.

Hathaway, Claude M., Denver, Colo. Pen nib slotting apparatus. 2,544,156, Mar. 6.

Hatheway, Edwin R., Jr., Newbury, Mass. Spout with spaced, flexible, peripheral flanges, releasably connectible to the rim of a carton opening. 2,543,909, Mar. 6.

Hawkins, Roy M.: *See*—
Hilkemeier, Louis G., and Hawkins.

Hawkins, Roy M., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for charging and discharging concrete mixers. 2,544,083, Mar. 6.

Hazeltine Research, Inc., assignee: *See*—
Hana, Thomas C.

Hearle, David H., Rutherford, N. J. Pantograph engraving machine. 2,544,225, Mar. 6.

Heasley Charles K., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandpaper of improved durability having an adhesive bond which is predominantly water soluble. 2,543,777, Mar. 6.

Heater, John N.: *See*—
Cannon, Earl, and Heater.

Hebbel, Emil E., Jr., Millmont Park, Pa., assignor to General Electric Company, Switchgear drawout mechanism. 2,544,314, Mar. 6.

Hegarty, Charles P., Lansdowne, and W. F. Verwey, Springfield, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Therapeutic compositions. 2,544,630, Mar. 6.

Heimann, Heinrich, New York, and L. Brozek, Jackson Heights, assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring assembly. 2,544,631, Mar. 6.

Heinn Company, The, assignee: *See*—
Panfil, Conrad J., Sr.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Purification of nicotinamide. 2,544,157, Mar. 6.

Heise, Howard L.: *See*—
Bruce, Donald S., and Heise.

Heldmann, Henry J., assignor to Cress Laboratories, Kitchener, Ontario, Canada. Adhesive bandage. 2,544,315, Mar. 6.

Helliwell, Guy S., and J. L. Swindall, assignors to Mellor Bromley & Co. Limited, trading as Samuel Pegg & Son, Leicester, England. Machine for treating textile goods with dyes and other liquids. 2,544,424, Mar. 6.

Heltzel, Francis O., Chicago, Ill. Road surface checking and grooving machine. 2,543,966, Mar. 6.

Henderson, George A., Seattle, Wash. Head space gauge. 2,544,158, Mar. 6.

Hendrickson, Norman J., Sioux City, Iowa. Tree holder. 2,543,849, Mar. 6.

Henkel, Erich W., Calumet City, Ill., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Low-water thermal cutoff for steam generators. 2,544,384, Mar. 6.

Henricson, Valentine, New York, N. Y. Resilient closure for the neck of a bottle, having a valve operable by flexure of a wall of said closure. 2,543,850, Mar. 6.

Henriksen, Henrik N., Odense, Denmark. Device for sewing machines. 2,544,425, Mar. 6.

Henroteau, François C. P., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Apparatus for making optical devices. 2,543,778, Mar. 6.

Hercules Powder Company, assignee: *See*—
Conner, Joshua C., Jr.

Heritage, Clark C., Clermont, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of plastic-fiber composition. 2,544,019, Mar. 6.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Amplitude limiter. 2,544,226, Mar. 6.

Herrick, Gerard P., New York, N. Y. Multiple flight aircraft. 2,544,497, Mar. 6.

Herrington, Sanford W., Velasco, Tex. Wedge type strand brake with cocking engagement. 2,544,086, Mar. 6.

Herzstark, Curt, assignor to "Contina" Büro-und Rechenmaschinenfabrik A. G., Mauren, Liechtenstein. Visible setting control mechanism for calculating machines. 2,544,426, Mar. 6.

Hester, Frank A., New York, and J. W. Smith, Long Island City, assignors to Faximile, Inc., New York, N. Y. Facsimile safety device. 2,543,779, Mar. 6.

Heyer, Don, Los Angeles, Calif. Variable-speed drive. 2,543,967, Mar. 6.

Heyward, Harold A., assignor to Pin Money Exchange, Incorporated, Chicago, Ill. Package handling and treating machine. 2,543,968, Mar. 6.

Hiertz, Arthur J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Removable strainer-stopper assembly for sinks or the like. 2,544,498, Mar. 6.

Higgins, Victor W., Essex, Conn. Seasoning point for meats. 2,544,316, Mar. 6.

Higgins, Waldo W., Kankakee, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Selective capacity water heater. 2,544,458, Mar. 6.

Hilkemeier, Louis G., Greenfield, and R. M. Hawkins, West Allis, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for charging and discharging concrete materials. 2,544,084, Mar. 6.

Hilkemeier, Louis G., Greenfield, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for charging and discharging concrete materials. 2,544,085, Mar. 6.

Hill, Boyd N., and E. F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of synthetic naphtha. 2,544,317, Mar. 6.

Hill, Thomas T., Beloit, Wis. Portable and adjustable bench clamp. 2,544,532, Mar. 6.

Hill, William H., Birmingham, England. Neutral selecting mechanism for change-speed gear boxes. 2,543,969, Mar. 6.

Hilliard, Glenn E., assignee: *See*—
Gustafson, Jarl A., Caligiuri, and Kumza.

Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs. 2,544,087, Mar. 6.

Hinnekens, Maurice G., Paterson, N. J. Web festooning device. 2,544,159, Mar. 6.

Hinricha, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Valve. 2,544,160, Mar. 6.

Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Compression valve. 2,544,161, Mar. 6.

Hipps, Herbert E., Waco, Tex., and E. J. Kupjack, Park Ridge, Ill. Bone graft apparatus. 2,543,780, Mar. 6.

Hitzman, Frederick G.: *See*—
Lovi, Joseph E., and Hitzman.

Hoag, Roderick W., Melrose, Mass. Method and machine for making and filling fluted containers. 2,544,020, Mar. 6.

Hochwalt, Carroll A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Synthetic fiber preparation. 2,544,385, Mar. 6.

Hodgeboom, Leo V.: *See*—
Umphlette, Charles L., and Hodgeboom.

Hoffmann-La Roche Inc., assignee: *See*—
Lauter, Werner M., and Brucar.

Hohmann, Richard K., Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing machine hook mechanism. 2,544,227, Mar. 6.

Hohmann, Richard K., Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Supporting means for oscillating sewing machine hooks. 2,544,263, Mar. 6.

Holland, James W., Valdosta, Ga. Folding wing device. 2,544,021, Mar. 6.

Hollis, Albert C., Watford, England. Drill chuck. 2,544,088, Mar. 6.

Hollum, Arne M., Oslo, Norway, W. A. James, and W. A. Semple, Arvida, assignors to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Producing alumina from slags or sinters prepared from lime and alumina-bearing materials. 2,544,231, Mar. 6.

Holmes, Oscar J., Chicago, Ill. Mounting for photoelectric cells. 2,544,554, Mar. 6.

Holt, Harry, Jr., assignor to Oldham and Son Limited, Denton, England. Miner's electric cap lamp. 2,544,533, Mar. 6.

Holter, Norman F., and W. F. Beth, assignors to Norton Company, Worcester, Mass. Repair of pulpstones. 2,544,632, Mar. 6.

Hoppe, Boris, Kew Gardens, N. Y. Vertically adjustable table construction. 2,544,228, Mar. 6.

Hoppe, Boris, Kew Gardens, N. Y. Vertically adjustable table construction. 2,544,229, Mar. 6.

Horberg, William, Bridgeport, Conn. Centerless grinding without propping of work by abrading surface. 2,544,318, Mar. 6.

Horgan, William F., New Malden, England. Operating control elements, such as electric switches, in a selected manner. 2,544,089, Mar. 6.

Horgen, Helge B., Lyon, France, assignor of nine-tenths to R. P. Pescara, Lisbon, Portugal, and one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine. 2,543,851, Mar. 6.

Horowitz, Harry, Brooklyn, N. Y. Pencil sharpener. 2,544,319, Mar. 6.

Horsfall, James, New York, R. M. Felsenthal, New Rochelle, and A. J. Bowden, assignors to Exmet Electrical Corporation, New York, N. Y. Panel construction and forming the same. 2,543,970, Mar. 6.

Horton, William H., assignee: *See*—
Killingsworth, Samuel J.

Houlsby, George W., Jr., assignee: *See*—
Carlson, Martin.
Carlson, Martin, and Michaelsen.

Houpt, Alfred G., Stamford, Conn., and L. J. Christmann, Yonkers, assignors to American Cyanamid Company, New York, N. Y. Apparatus and process for distillation of HCN. 2,543,971, Mar. 6.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Internal-expanding shoe brake. 2,544,030, Mar. 6.

Houston, Robert L., assignor to International Business Machines Corporation, New York, N. Y. Machine for printing on duplex records. 2,543,910, Mar. 6.

Houston, Wilbur D., assignor of one-half to W. C. Newman, Elizabeth, N. J. Freezer. 2,544,162, Mar. 6.

Hovey, Selden P., Hawthorne, Calif. Combined frame squaring and nailing machine. 2,544,499, Mar. 6.

Howard, Edwin A., Stow, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoe protector. 2,544,264, Mar. 6.

Howard, Kenneth L.: *See*—
Hultquist, Martin E., and Howard.

Huden, Thomas P., Seattle, Wash. Cargo hook. 2,544,596, Mar. 6.

Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Davis, Edward D., and Germain.

Hughes, Henry, & Son Limited, assignee: *See*—
Whitfield, Harold R., and Harrison.

Hughes, William B.: *See*—
Friedman, Louis D., and Hughes.

Hultquist, Martin E., Bound Brook, and K. L. Howard, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. 1,4-disubstituted piperazines. 2,543,972, Mar. 6.

Hunter, Robert H., assignee: *See*—
Damon, Ralph S., and Hunter.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Fabricated article. 2,544,320, Mar. 6.

Hyde, John, Pittsburgh, Pa. Combination wagon and sled. 2,544,163, Mar. 6.

I. T. E. Circuit Breaker Company, assignee: *See*—
Wood, Joseph D.

Ifield, Richard J., Dural, New South Wales, Australia, and O. N. Lawrence, Dorridge, assignors to Joseph Lucas Limited, Birmingham, England. Controlling the temperature of hot gases. 2,544,427, Mar. 6.

Institution Catholique des Sourdsmuets pour la Province de Quebec, assignee: *See*—
Bruneau, Albert J.

International Business Machines Corporation, assignee: *See*—
Corbett, Lawrence B.
Dickinson, Arthur H.
Ford, Eugene A.

International Business Machines Corporation, assignee: *See*—
Houston, Robert L.
Rabenda, Edward J., and Furman.

Irti, Ernest, Kenmore, N. Y., and A. A. O'Sickey, Cleveland, Ohio. Fluid control valve. 2,544,597, Mar. 6.

Isaacs, Florence M., New York, N. Y. Glove testing. 2,543,911, Mar. 6.

Ivey, Jerome C.: *See*—
Kotzin, Tobias, and Ivey.

Iwashita, George K., Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet breaker strip. 2,544,321, Mar. 6.

Jaccard, Gaston, assignor to Sandoz Limited, Basel, Switzerland. Surface active derivatives of nitrogen-containing sulfonic acids. 2,543,852, Mar. 6.

Jackson, Reginald, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Pneumatic elevator and conveyer for pulverulent material. 2,544,534, Mar. 6.

Jacobi, Samuel, Burlington, N. J. Shutter arm. 2,544,500, Mar. 6.

Jacobowitz, Arnold, assignee: *See*—
Teasmer, Raymond G.

Jacobs, Jake: *See*—
Jacobs, Phillip and J.

Jacobs, Phillip and J., Kansas City, Mo. Maternity garment. 2,544,386, Mar. 6.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,544,090, Mar. 6.

James, William A.: *See*—
Hollum, Arne M., James, and Semple.

Jeffrey Manufacturing Company, The, assignee: *See*—
Curley, Morton B.

Jennen, Jacob J., Diisen, and W. Michaelis, Brussels, Belgium, assignors, by mesne assignments, to B. Gaspar, Beverly Hills, Calif. Sensitized photographic emulsions. 2,544,322, Mar. 6.

Jennen, Jacob J., Antwerp, Belgium, and W. Michaelis, deceased, by H. Michaelis, administratrix, Los Angeles; said Jennen and W. Michaelis assignors, by mesne assignments, to B. Gaspar, Beverly Hills, Calif. Cyanine dyes. 2,544,323, Mar. 6.

Jensen, Evan A., Westchester, assignor to United Air Lines, Inc., Chicago, Ill. Plural-frequency coupling unit. 2,543,973, Mar. 6.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Coffee maker seal. 2,544,324, Mar. 6.

Jewell, Joseph W., Summit, and W. B. Johnson, Far Hills, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,543,974, Mar. 6.

Johnson, Carl E., and G. M. Wagner, assignors to Michigan Chemical Company, St. Louis, Mich. 2-bromothiophene. 2,544,164, Mar. 6.

Johnson, Charles A., Jr., Murray Hill, and C. L. Krumreich, Paterson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,544,325, Mar. 6.

Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Holding wrench for tappets. 2,544,022, Mar. 6.

Johnson, Frank M., assignor to Universal Camera Corporation, New York, N. Y. Automatic phonograph. 2,544,230, Mar. 6.

Johnson, Fritz, Idaho Falls, Idaho. Vine remover and chopper. 2,544,023, Mar. 6.

Johnson, Fritz, Idaho Falls, Idaho. Vine puller and cutter. 2,544,024, Mar. 6.

Johnson, Fritz, Idaho Falls, Idaho. Pulling and comminuting device for plants, stalks, and the like. 2,544,025, Mar. 6.

Johnson, Gene, Westchester County, N. Y. Cigarette container. 2,544,501, Mar. 6.

Johnson, Loren G., Ventura, Calif. Forming box. 2,543,912, Mar. 6.

Johnson, Oliver: *See*—
Newton, Amos S., and Johnson.

Johnson Products, Inc., assignee: *See*—
Johnson, Charles E.

Johnson, Stefan, assignee: *See*—
Allgeo, Fred J.

Johnson, William B.: *See*—
Jewell, Joseph W., and Johnson.

Jones, Jean P., and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Reaction of diolefin polymers with hydrogen and carbon monoxide. 2,544,555, Mar. 6.

Jones, William C., Oakland, Calif. Surface finishing ironing tool. 2,544,326, Mar. 6.

Jordan, James F., assignor to James Jordan Laboratory, Huntington Park, Calif. Adding magnesium to cast iron. 2,543,853, Mar. 6.

Jordan, James F., assignor to Jordan Research Laboratory, Inc., Huntington Park, Calif. Melting. 2,544,091, Mar. 6.

Jordan, James, Laboratory, assignee: *See*—
Jordan, James F.

Jordan Research Laboratory, Inc., assignee: *See*—
Jordan, James F.

Joy Manufacturing Company, assignee: *See*—
Paget, Wm W.

Judy, John S., West Point, assignor of fifty per cent to T. H. Schulte, Fort Madison, Iowa. Crib attachment. 2,544,428, Mar. 6.

Jurgens, Herman J., Gurley, Nebr. Branding iron heater. 2,543,781, Mar. 6.

K. & S. Corp., assignee: *See*—
Sklaar, Richard.

Kadisch, Ernst L. and S., Westwood, N. J. Knitting needle with loop retaining attachment. 2,544,429, Mar. 6.

Kadisch, Shirley: *See*—
Kadisch, Ernst L. and S.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Austin, Leslie W., and Rhodes.

Kalina, Martin H., Gray, Saskatchewan, Canada, assignor, by mesne assignments, to Wetherill Engineering Company, Philadelphia, Pa. Metal casting mold. 2,544,598, Mar. 6.

Kanner, Harry M., Sacramento, Calif. Surgical clamp for circumcising. 2,544,459, Mar. 6.

Karlson, Rodney, Girard, Ohio. Portable shower bath. 2,544,092, Mar. 6.

Keelen, Festus A., Zwolle, La. Rowboat safety pontoon. 2,544,599, Mar. 6.

Keely, Clifford D., West Englewood, N. J. Car washer. 2,543,975, Mar. 6.

Keim, Charles J., and A. R. Maier, Oil City, Pa., assignors to Oil Well Supply Company. Well-drilling drawworks. 2,544,327, Mar. 6.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Multiple tube gas heating furnace. 2,544,600, Mar. 6.

Keller, Gregory H., Helena, Ark., assignor of one-half to R. E. McCormack, Albany, Ga. Stick-candy machine. 2,544,502, Mar. 6.

Keller Tool Company, assignee: *See*—
Shaff, Ernest H.

Kellogg, M. W., Company, The, assignee: *See*—
Jewell, Joseph W., and Johnson.

Kelly, Cornelius S. and E. A., Hollywood, Fla. Making fish lures. 2,544,265, Mar. 6.

Kelly, Elsie A.: *See*—
Kelly, Cornelius S. and E. A.

Kelso, James M.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Kennedy, Frank J., Brooklyn, N. Y., assignor to National Electric Products Corporation, Pittsburgh, Pa. Electrical outlet box. 2,544,232, Mar. 6.

Kennedy, Frank J., Mt. Lebanon, assignor to National Electric Products Corporation, Pittsburgh, Pa. Nonmetallic sheathed multiconductor cable. 2,544,233, Mar. 6.

Kennedy, Frank J., Mount Lebanon, assignor to National Electric Products Corporation, Pittsburgh, Pa. Making outlet boxes. 2,544,266, Mar. 6.

Kennedy, Frank J., Mount Lebanon, assignor to National Electric Products Corporation, Pittsburgh, Pa. Making nonmetallic sheathed cable. 2,544,503, Mar. 6.

Kennedy, Gilbert J., assignor to Philco Corporation, Philadelphia, Pa. Switching apparatus. 2,544,535, Mar. 6.

Kern, Arthur E., and E. L. Wood, Detroit, Mich. Animal trap. 2,544,026, Mar. 6.

Keroes, Herbert L., Irvington, assignor to The Daven Company, Newark, N. J. Hermetically sealed electric switch. 2,544,328, Mar. 6.

Kerr, Henry H., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Truss type aircraft wheel. 2,544,387, Mar. 6.

Kettler, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Microphone. 2,544,536, Mar. 6.

Keys, Clarence B., Sherman Oaks, Calif. Demountable leg. 2,544,504, Mar. 6.

Kiebert, Martin V., Jr., United States Navy. Frequency modulated radio-type distance measuring device. 2,543,782, Mar. 6.

Kilgore Chemicals, Inc., assignee: *See*—
Kilgore, Lowell B.

Kilgore, Lowell B., assignor to Kilgore Chemicals, Inc., Washington, D. C. Deodorant compositions. 2,544,093, Mar. 6.

Killingsworth, B. J., assignee: *See*—
Killingsworth, Samuel J.

Killingsworth, S. W., assignee: *See*—
Killingsworth, Samuel J.

Killingsworth, Samuel J., assignor of thirty-five per cent to W. H. Horton, six and five-tenths per cent to B. J. Killingsworth, six and five-tenths per cent to K. Koon, six and five-tenths per cent to A. R. Ogletree, Brewton, and six and five-tenths per cent to S. W. Killingsworth, Flomaton, Ala. Wheel retainer for vehicles. 2,543,854, Mar. 6.

King, Raymond E., Denver, Colo. Hearing aid attachment for use on French type telephones. 2,544,027, Mar. 6.

Kinley, Jack, assignee: *See*—
McMahan, Durward B.

Kinley, M. M., assignee: *See*—
McMahan, Durward B.

Kinley, Myron M., Houston, Tex. Insert orifice and tool therefor. 2,544,601, Mar. 6.

Kirk, James A., assignor to J. A. Kirk and G. E. Young, co-partners, doing business as Kirk & Young Machine Co., East Walpole, Mass. Trigger release toggle clamp. 2,544,329, Mar. 6.

Kirk & Young Machine Co., assignee: *See*—
Kirk, James A.

Kjellberg, Ragnar, Gullanget, assignor to Aktiebolaget Tobo Bruk, Tobo, Sweden. Ski. 2,544,028, Mar. 6.

Knowles, Robert B., Maywood, Calif. Hydraulic pump. 2,544,094, Mar. 6.

Knudson, Thomas E., Mankato, Minn. Hat crown stay. 2,543,855, Mar. 6.

Koehler Manufacturing Company, assignee: *See*—
Wheat, Grant.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling device. 2,544,330, Mar. 6.

Kogstrom, Axel W., assignor to O. & S. Bearing Company, Detroit, Mich. Vehicle wheel suspension. 2,544,331, Mar. 6.

Konvalinka, William J., Altadena, Calif. Cushioning device for telephone receivers. 2,544,207, Mar. 6.

Koon, Kate, assignee: *See*—
Killingsworth, Samuel J.

Kosorotoff, Sergei, Linz-on-Danube, Austria. Mold for building constructions. 2,544,602, Mar. 6.

Kotzin, Tobias, Los Angeles, and J. C. Ivey, Whittier, Calif. Presser foot control apparatus. 2,544,029, Mar. 6.

Kower, Eugene, Piedmont, Calif. Can opener and dispenser. 2,544,095, Mar. 6.

Krasnow, Leonard L., assignor, by mesne assignments to Air-A-Feed Equipment, Inc., Worcester, Mass. Power-operated semiautomatic screw driver. 2,544,165, Mar. 6.

Kraus, Max R., assignee, trustee: *See*—
Goldfarb, Adolph.

Kreidl, Norbert J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. High index phosphate glass. 2,544,460, Mar. 6.

Krewson, Charles F., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Purifying rutin. 2,543,783, Mar. 6.

Krohn, Harvey: *See*—
Trapani, Vincent, and Krohn.

Kronhaus, Semen, Los Angeles, Calif. Self-loading wheelbarrow. 2,544,505, Mar. 6.

Kronhaus, Semen, Los Angeles, Calif. Temperature conditioned furniture. 2,544,506, Mar. 6.

Krouse, Gaylord F., Mason, Mich. Window stop. 2,543,913, Mar. 6.

Krumreich, Charles L.: *See*—
Johnson, Charles A., Jr., and Krumreich.

Kumza, Joseph J.: *See*—
Gustafson, Jarl A., Caligiuri, and Kumza.

Kunert, Max J., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Nozzle. 2,544,556, Mar. 6.

Kupjack, Eugene J.: *See*—
Hipps, Herbert E., and Kupjack.

Kupka, Frantisek, Prague, assignor to Meopta, spojene zavody pro jemnou mechaniku a optiku, narodni podnik, Prerov, Czechoslovakia. Large aperture four-member photographic objective. 2,543,856, Mar. 6.

Kyle, Andrew S., Chicago, Ill., assignor to Claud S. Gordon Company. Thermocouple auxiliary amplifier for controlling heating apparatus. 2,544,031, Mar. 6.

Kyle, Joseph H., assignor to Armstrong Cork Company, Lancaster, Pa. Lubrication safety device. 2,543,784, Mar. 6.

Lamar, Charles C., and V. C. Peterson, assignors to Harper-Wyman Company, Chicago, Ill. Gas burner with secondary air baffle. 2,544,603, Mar. 6.

Lancaster Chemical Corporation, assignee: *See*—
Robinson, Thomas.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,544,268, Mar. 6.

Landis & Gyr, A. G., assignee: *See*—
Limberger, Josef.

Lang, Theodore, Flushing, N. Y. Photographic flash gun. 2,544,388, Mar. 6.

Lange, Bror G., Jonkoping, and K. H. Lange, Stockholm, Sweden. Buoyancy scale. 2,544,032, Mar. 6.

Lange, Karl H.: *See*—
Lange, Bror G. and K. H.

La Plant-Choate Manufacturing Co., Inc., assignee: *See*—
Rockwell, Harvey W.

Laughlin, Myrou P., Gulfport, Fla. Motor arbor. 2,544,096, Mar. 6.

Lauter, Werner M., Glen Rock, N. J., and M. D. Brucar, New York, N. Y., assignors to Hoffmann-LaRoche Inc., Nutley, N. J. Preparing tablets of sodium gentisate dihydrate. 2,543,976, Mar. 6.

Lawrence, Owen N.: *See*—
Ifield, Richard J., and Lawrence.

Lawrence, Robert W., Ben Lomond, Calif. Slide flute. 2,544,033, Mar. 6.

Lax, Ladislav: *See*—
Bennett, Arthur J., and Lax.

Lease, Delbert B., Ridgeley, W. Va., assignor to Celanese Corporation of America. Bow shuttle. 2,543,914, Mar. 6.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Oil filtration system. 2,544,269, Mar. 6.

Le Count, Mary J., assignee: *See*—
Le Count, William J.

Le Count, W. G. Tool Works: *See*—
Le Count, William J.

Le Count, William J., Norwalk, assignor to M. J. Le Count, doing business as W. G. Le Count Tool Works, South Norwalk, Conn. Expansible mandrel. 2,544,633, Mar. 6.

Lee, Robert H., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Vibrator interrupter system. 2,544,332, Mar. 6.

Leifer, Lorenz A., assignor to Gisholt Machine Company, Madison, Wis. Collet chuck. 2,543,857, Mar. 6.

Leitzel, Ammon M., assignor to Future Products, Portland, Oreg. Saw attachment for drills. 2,544,461, Mar. 6.

Lembo, Concetta E. M., Brooklyn, N. Y. Adjustable waistband. 2,544,333, Mar. 6.

Lemm, Robert W., Grass Lake, Mich. Ball type closure fastening means. 2,543,977, Mar. 6.

Lentz, John A., Phoenix, Ariz. Parallelometer chuck. 2,544,097, Mar. 6.

Leonard, David E., assignor to American Machinery Corporation, Orlando, Fla. Produce treating apparatus. 2,543,915, Mar. 6.

Lermont, Basil, assignor to Sutton Patents, Inc., New York, N. Y. Panel control. 2,543,785, Mar. 6.

Levering, William C., Martinsville, N. J. Illuminated toy unit. 2,544,034, Mar. 6.

Levy, René L., also known as R. Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Packing device for hydraulic fluid-tight sliding joints. 2,544,537, Mar. 6.

Lewis, Elmer, Bristol, Pa. Poultry feeder. 2,543,916, Mar. 6.

L'Hollier, Leslie H., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Foothold and manufacture. 2,544,270, Mar. 6.

Libby, Henry T., Somerville, and D. G. Pearson, Medford, Mass. Power actuated hand plane. 2,544,098, Mar. 6.

Libois, Louis J.: *See*—
Gloess, Paul F. M., and Libois.

Liedholm, George E., Berkeley, and J. T. Harlan, Jr., San Rafael, assignors to Shell Development Company, San Francisco, Calif. Production of oxygenated products from petroleum. 2,544,271, Mar. 6.

Lignes Telegraphiques et Telephoniques, assignee: *See*—
Sabine, Maurice.

Lilly, Eli, and Company, assignee: *See*—
Davis, William W., and Parke.
Miller, Henry C.

Limberger, Josef, Zug, Switzerland, assignor to Landis & Gyr, A. G. Meter bearing. 2,544,166, Mar. 6.

Linda, Frank R., White Plains, assignor to St. Regis Paper Company, New York, N. Y. Fungicidally treated multiwall bag. 2,543,858, Mar. 6.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Two-way plow attachment for tractors. 2,543,786, Mar. 6.

Link Aviation, Inc., assignee: *See*—
Schaefer, Hans F., Jr.

Linnert, George E., Baltimore, Md., assignor to Armco Steel Corporation. Weld composition. 2,544,336, Mar. 6.

Linnert, George E., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Weld rod, flux, and method. 2,544,334, Mar. 6.

Linnert, George E., Baltimore, Md., assignor to Armco Steel Corporation. Welding method and product. 2,544,335, Mar. 6.

Lipkin, Charles, New York, N. Y. Aid for carrying out multiplication. 2,544,389, Mar. 6.

Lipnicki, Bernard and R., Newington, Conn. Brake attachment. 2,544,462, Mar. 6.

Lipnicki, Romuald: *See*—
Lipnicki, Bernard and R.

Liquidometer Corporation, The, assignee: *See*—
Edelman, Abraham.

Little, Arthur D., Inc., assignee: *See*—
Swanton, John R., Jr.

Lloyd, John T., Philadelphia, Pa. Machine for slotting Venetian blind slats. 2,543,917, Mar. 6.

Long, John H., Flushing, assignor to Faximile, Inc., New York, N. Y. Double motor drive synchronizing system. 2,543,787, Mar. 6.

Long, Robert W., Tallahassee, Fla., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. System and method for analysing substance by mass spectrometry. 2,543,859, Mar. 6.

Lonngren, Bruno L.: *See*—
Davidson, Trevor O., and Lonngren.

Loomis, Eugene C.: *See*—
Seegers, Walter H., Loomis, and Ware.

Loveland, Malcolm W., Orinda, Calif., assignor to American Can Company, New York, N. Y. Filling head having air locked chamber for filling liquids into containers. 2,543,788, Mar. 6.

Lovi, Joseph E., and F. G. Hitzman, Chicago, Ill. Flash bulb synchronization tester for cameras. 2,543,860, Mar. 6.

Lower, Donald P., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft coupling. 2,543,918, Mar. 6.

Lucas, Joseph Limited, assignee: *See*—
Goddard, Leslie J.
Ifield, Richard J., and Lawrence.

Lucien, René: *See*—
Levy, René L.

Lukins, Richard H.: *See*—
Beck, Frederick W., Babka, and Lukins.

Lundgren, Sven G., Hammarbyhojden, and E. O. Eriksson, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Reversible rotary hydraulic coupling. 2,544,167, Mar. 6.

Lusby, Carl W., Mount Vernon, Ohio. Lining device for caskets and the like. 2,544,168, Mar. 6.

Lyon, Donald W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkaline earth sulfide phosphorescent pigments. 2,544,507, Mar. 6.

Lyon, William, Prestwich, near Manchester, assignor to Messrs. Walmsleys (Bury) Ltd., Bury, England. Oscillating doctor for paper machines. 2,544,557, Mar. 6.

Maag-Zahnrader und-Maschinen Aktiengesellschaft, assignee: *See*—
Ernst, Daniel.

Mabon, Carl R., Niagara Falls, and L. F. Hageman, Lewiston, assignors to Moore Business Forms, Inc., Niagara Falls, N. Y. Feeding mechanism for writing machines. 2,543,919, Mar. 6.

Macdonald, Eugene M., University Heights, assignor to The MacDonald Manufacturing Company, Cleveland, Ohio. Ticket holder. 2,544,337, Mar. 6.

MacDonald Manufacturing Company, The, assignee: *See*—
Macdonald, Eugene M.

MacGregor, Peter G., Poquannock, assignor to Pyrene Manufacturing Company Newark, N. J. Multiple outlet nozzle. 2,544,558, Mar. 6.

Mackay, John: *See*—
Mackay, Laurence H. and J.

Mackay, Laurence H. and J., Durham, England. Weaving pile carpets and resultant product. 2,544,338, Mar. 6.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Signal transfer apparatus. 2,544,508, Mar. 6.

MacKimmie, George B.: *See*—
Brown, George H., and MacKimmie.

MacMillan, Duncan C., U. S. Navy. Automatic door operator. 2,543,789, Mar. 6.

Madden, Charles L.: *See*—
Eckenbeck, Dana C., Slaughter, and Madden.

Mader, Harry J., Jerome, Ariz. Plug insert bit for core drills. 2,543,861, Mar. 6.

Mader, Stewart S., assignor to Norton Company, Worcester, Mass. Tool grinding machine. 2,544,604, Mar. 6.

Magnesi, Louis, Walnut Creek, Calif. Ant trap. 2,544,234, Mar. 6.

Maher, William W., San Francisco, Calif., and K. Bofinger, Cincinnati, Ohio, assignors to American Can Company, New York, N. Y. Counting device for can testing machines. 2,543,790, Mar. 6.

Mahnken, Walter W., Union City, N. J., and R. Zecca, Brooklyn, N. Y., assignors to Wright Aeronautical Corporation. Liner for hot gas chambers. 2,544,538, Mar. 6.

Maier, August R.: *See*—
Kein, Charles J., and Maier.

Maier-Hancock Corp., assignee: *See*—
Hancock, Benjamin W., and Maier.

Maier, Joseph B.: *See*—
Hancock, Benjamin W., and Maier.

Malin, Chester G., Glendale, Calif. Child's cart. 2,544,099, Mar. 6.

Malin, Jay B., Whittier, Calif., assignor to The Texas Company, New York, N. Y. Engine generation of synthesis gas. 2,543,791, Mar. 6.

Mallory, Edwin E., Cuyahoga Falls, assignor to National Rubber Machinery Company, Akron, Ohio. Tire ply turndown device. 2,544,390, Mar. 6.

Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Internal-combustion engine speed control. 2,544,463, Mar. 6.

Mallory, Marion, Detroit, Mich. Internal-combustion engine. 2,544,605, Mar. 6.

Mallory, Marion, Detroit, Mich. Engine and auxiliary fluid power system for vehicles. 2,544,606, Mar. 6.

Mallory, Marion, Detroit, Mich. Charge control valve mechanism for internal-combustion engines. 2,544,607, Mar. 6.

Mallory, Marion, Detroit, Mich. Ignition system for internal-combustion engines. 2,544,608, Mar. 6.

Mallory Research Company, The, assignee: *See*—
Mallory, Marion.

Manahan, George, Maplewood, assignor to The Thomas & Betts Co., Elizabeth, N. J. Notice impelling device. 2,543,862, Mar. 6.

Manders, Donald C., Toronto, Ontario, Canada. Liquid dispenser. 2,544,539, Mar. 6.

Manning, Joseph F., Newton, and M. Seymour, assignors to B. B. Chemical Co., Boston, Mass. Bonding metal printing plates to wooden supports. 2,544,169, Mar. 6.

Marasco, Martin, New Brunswick, N. J., L. J. Conrad, Baton Rouge, La., and J. A. Moede, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of silver nitrate solutions. 2,543,792, Mar. 6.

Marble, Jarvis C., assignee, trustee: *See*—
Lundgren, Sven G., and Ericksson.

Marks, Alvin M., Flushing, N. Y. Three-dimensional intercommunicating system. 2,543,793, Mar. 6.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Coating composition. 2,544,391, Mar. 6.

Marsh Wall Products, Incorporated, assignee: *See*—
Robinson, Joseph J., Jr., and Wassem.

Marshall, Alec F., and H. A. Rees, assignors to Davy and United Engineering Company Limited, Sheffield, England. Hydraulic servomotor and control valve therefor. 2,544,035, Mar. 6.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Fluidized catalyst regeneration process. 2,543,863, Mar. 6.

Mason, Charles R., Ballston Spa, N. Y., assignor to General Electric Company. Electrical regulator. 2,544,339, Mar. 6.

Matthews, Charles S., and L. L. Copley, Durham, N. C. Nursing bottle for babies. 2,544,464, Mar. 6.

Matthiesen, Peter C., Nordborg, Denmark. Thermostatic regulator valve. 2,543,978, Mar. 6.

Matulaitis, Victor E., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Air distributing duct. 2,544,465, Mar. 6.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing a low odor naphtha. 2,544,559, Mar. 6.

Maurer, Spencer B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Impact wrench torque control. 2,543,979, Mar. 6.

Maussnest, Frederick K., assignor to Hedwig Maust, Queens Village, N. Y. Underdrive punch press. 2,544,540, Mar. 6.

Maust, Hedwig, assignee: *See*—
Maussnest, Frederick K.

Maxwell, Donald E., New Canaan, Conn., assignor to General Electric Company. Volume controlling amplifier. 2,544,340, Mar. 6.

Mayer, Harry, Chicago, Ill., assignor to Streeter-Amet Company. Track scale. 2,543,794, Mar. 6.

Mayer, Ivan, and H. J. Ogorzaly, Summit, N. J., assignors to Standard Oil Development Company. Production of liquid and gaseous fuels by synthesis from coal. 2,543,795, Mar. 6.

McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of saturated halocarbons with lead tetrafluoride. 2,544,560, Mar. 6.

McCabe, William E., Jr., Denver, Colo. Fill and discharge valve for liquefied hydrocarbon containers. 2,543,920, Mar. 6.

McCann, Edward M., Tacoma, Wash. Cotton chopper. 2,544,036, Mar. 6.

McCarthy, George D., Detroit, and A. H. Edwards, assignors to Chrysler Corporation, Highland Park, Mich. Protective seal. 2,544,541, Mar. 6.

McCormack, Robert E., assignee: *See*—
Keller, Gregory H.

McCullar, David F., Lawrenceburg, Tenn. Knee acting adjustable fender. 2,543,921, Mar. 6.

McCutchan, George L., assignor to Rome Cable Corporation, Rome, N. Y. Making shielded electrical conductors. 2,544,430, Mar. 6.

McGee, Leland T., Los Angeles, Calif. Hydraulic pump. 2,543,796, Mar. 6.

McGraw, William F., Detroit, Mich. Collecting receptacle for urine. 2,544,341, Mar. 6.

McKee, Ralph H., New York, N. Y. Making paper containers greaseproof. 2,544,509, Mar. 6.

McLain, Harold O., Highland Park, and A. L. Blatti, deceased, Chicago, Ill.; R. C. Blatti, executrix of said A. L. Blatti, assignor to said McLain. Master car icing unit. 2,544,431, Mar. 6.

McLemore, Robert H.: *See*—
Thompson, Willis H., Tolson, and McLemore.

McLuckie, George L.: *See*—
Elvin, William J., and McLuckie.

McMahan, Durward B., Duncan, Okla., assignor, by mesne assignments, to M. M. and J. Kinley, Houston, Tex. Tubing caliper. 2,544,609, Mar. 6.

Meacham, Larned A., New Providence, N. J. Electronic musical entertainment device. 2,544,466, Mar. 6.

Mead, Lawrence C., Turlock, Calif. Release means for toggle-actuated plier-type wrenches. 2,543,922, Mar. 6.

Melenric, John A., Charleston, W. Va. Jet propulsion unit with rotatable combustion chamber. 2,543,864, Mar. 6.

Mellor Bromley & Co. Limited, assignee: *See*—
Helliwell, Guy S., and Swindall.

Meopta, spojene zavody pro jemnou mechaniku a optiku narodni podnik, assignee: *See*—
Kupka, Frantisek.

Merrill, Leslie M., assignee, trustee: *See*—
Lundgren, Sven G., and Eriksson.

Meyer, Wolfgang E., New York, N. Y., assignor to American Bosch Corporation, Springfield, Mass. Fuel injection pump. 2,544,561, Mar. 6.

Michael, Vesta F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Recovering aldehydes and ketones. 2,544,562, Mar. 6.

Michaelis, Hella, administratrix: *See*—
Jennen, Jacob J., and Michaelis.

Michaelis, Walter: *See*—
Jennen, Jacob J., and Michaelis.

Michaelsen, Otto D.: *See*—
Carlson, Martin, and Michaelsen.

Michel, Mathias, assignor to Aluminum Company of America, Pittsburgh, Pa. Tension control system. 2,544,467, Mar. 6.

Michigan Chemical Company, assignee: *See*—
Johnson, Carl E., and Wagner.

Midvale Company, The, assignee: *See*—
Foley, Francis B.

Miller, Harry F., and R. G. Flowers, Pittsfield, Mass., assignors to General Electric Company. Castor oil ortho silicate gels. 2,544,342, Mar. 6.

Miller, Henry C., assignor to Eli Lilly and Company, Indianapolis, Ind. Penicillin salt suspensions. 2,544,272, Mar. 6.

Miller, Homer H., Bridgeport, Conn., assignor to General Electric Company. Connector block with strain relief. 2,544,343, Mar. 6.

Miller, John E., Dallas, Tex. Apparatus for measuring distances within bores. 2,544,100, Mar. 6.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Vaporizing type liquid fuel burner 2,543,980, Mar. 6.

Miller, Lola, assignee: *See*—
Dutra, John, Jr.

Mills, Fred M., Portland, Oreg. Folding garment hanger. 2,544,170, Mar. 6.

Mine Safety Appliances Company, assignee: *See*—
Schneider, John H.

Miner, Carl S., Jr., Winnetka, and B. Wolnak, Chicago, Ill., assignors to Sewerage Commission of the City of Milwaukee, Milwaukee, Wis. Fermentation activation. 2,544,273, Mar. 6.

Miner, Carroll R., Stratford, Conn., assignor to General Electric Company. Audio amplifier circuit with feedback. 2,544,344, Mar. 6.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Heasley, Charles K.
Palmquist, Philip V., and Douglas.
Palmquist, Philip V., and Penrod.

Missouri Automatic Control Corporation, assignee: *See*—
Pratt, Ryder.

Mitchell, Alexander, Yellowknife, Northwest Territories, Canada. Ore treating machine. 2,544,634, Mar. 6.

Mitchell, Edgar D., Taos, N. Mex. Automatic cow stanchion device. 2,544,171, Mar. 6.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Misfire indication circuits for rectifiers. 2,544,345, Mar. 6.

Mixsell, Ward T., Washington, D. C. Radial air compressor. 2,543,923, Mar. 6.

Moe Brothers Manufacturing Company, assignee: *See*—
Sayers, Frederick.

Moede, Jerome A.: *See*—
Marasco, Martin, Conrad, and Moede.

Moehle, Frederick W., Attleboro, assignor to V. H. Blackinton & Co., Inc., North Attleboro, Mass. Sword. 2,544,563, Mar. 6.

Moeller, William A., Los Angeles, Calif. Expansible bedframe and the like. 2,544,274, Mar. 6.

Monath, Alfred M., London, England. Molding articles having as binder vegetable-tanned leather and resulting article. 2,543,925, Mar. 6.

Moody, Peter, Detroit, Mich. Adjustable seat support for chairs. 2,543,924, Mar. 6.

Monsanto Chemical Company, assignee: *See*—
Blake, Edward S.
Butler, John M.
Hochwalt, Carroll A.
Marling, Paul E.
Mowry, David T., and Seymour.
Zerbe, Richard O.

Montgomery, Donald H., West Hartford, Conn. Gearshifting mechanism. 2,543,927, Mar. 6.

Moody, Alton B.: *See*—
Waller, George W. D., and Moody.

Moore Business Forms, Inc., assignee: *See*—
Mabon, Carl R., and Hageman.
St. John, Kenneth R.

Moore, Helen N.: *See*—
De Becze, George I., Moore, and Schraffenberger.

Moore, Robert J., Berkeley, and G. J. O'Donnell, Oakland, assignors to Shell Development Company, San Francisco, Calif. Base-catalyzed vapor-phase production of ethers from alcohols and olefins. 2,544,392, Mar. 6.

Moragne, William M., Lihue, assignor to Grove Farm Company, Limited, Puhi, Kauai, T. H. Machine for preparing seed cane. 2,544,275, Mar. 6.

Morano, Patrick J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Form-fitting undergarment. 2,544,432, Mar. 6.

Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.

Morrison, Ella P., executrix: *See*—
Morrison, Samuel O.

Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix of said S. O. Morrison, assignor to Sunroc Refrigeration Company, Dover, Del. Cup dispenser. 2,543,746, Mar. 6.

Moseley, Mortimer H., Eddyville, Ky. Surgical device. 2,544,037, Mar. 6.

Moseley, Tomlinson L., Atherton, Calif. Radar scanner unit. 2,544,433, Mar. 6.

Motor Wheel Corporation, assignee: *See*—
Miller, John W.

Mottern, Henry O.: *See*—
Archibald, Francis M., and Mottern.

Mounique, André, assignor to Societe Nouvelle des Etablissements Jumo, Paris, France. Retractable office lamp. 2,543,926, Mar. 6.

Mowry, David T., Dayton, Ohio, and R. B. Seymour, Brunswick, N. J., assignors to Monsanto Chemical Company, St. Louis, Mo. Isopropenylbiphenyl copolymers. 2,544,393, Mar. 6.

Muffly, Glenn, Springfield, Ohio. Refrigerator wall and closure. 2,544,394, Mar. 6.

Mulhern, Frederick J., Troy, N. Y. Timing device. 2,544,346, Mar. 6.

Mullins Manufacturing Corporation, assignee: *See*—
Stanitz, Jacques, and Schlobohm.

Munao, Carmelo C.: *See*—
Munao, Philip, and C. C.

Munao, Philip, and C. C., Brooklyn, N. Y. Making artificial flame log assembly. 2,543,981, Mar. 6.

Murphy, Lucille L., assignee: *See*—
Hallstedt, Paul.

N. V. Amsterdamsche Chininefabriek, assignee: *See*—
Veldstra, Haaye.

N. V. Optische Industrie "De Oude Delft," assignee: *See*—
Bouwers, Albert.

Nahl, Hugo W., assignee: *See*—
Olson, Carl T.

National Broach & Machine Company, assignee: *See*—
Praeg, Walter S.

National Electric Products Corporation, assignee: *See*—
Kennedy, Frank J.

National Pneumatic Co., Inc., assignee: *See*—
Schirmer, Cyrus T.

National Rubber Machinery Company, assignee: *See*—
Mallory, Edwin E.

National Steel Corporation, assignee: *See*—
Prahl, Frederick A.

National Tube Company, assignee: *See*—
Gibson, Walter T., and Zemberry.

Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Automatic machine for cementing platform soles. 2,544,172, Mar. 6.

Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Articulated nozzle for sole cementing machines. 2,544,173, Mar. 6.

Nelson, Eddie R.: *See*—
Thorp, Leroy M., and Nelson.

Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Numerical counter. 2,544,610, Mar. 6.

Ness, Robert A., Royal Oak, Mich. Dental floss holder. 2,544,276, Mar. 6.

New Jersey Zinc Company, The, assignee: *See*—
Reinert, Lawrence J., and Fatzinger.

Newlin, Robert M.: *See*—
Ernst, Winfield G., and Newlin.

Newman, William C., assignee: *See*—
Houston, Wilbur D.

Newport Optical Mfg. Co., Inc., assignee: *See*—
Collinson, Stanley E.

Newton, Alwin B.: *See*—
Quailey, Ray W., and Newton.

Newton, Amos S., and O. Johnson, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of uranium nitride. 2,544,277, Mar. 6.

New York Quinine and Chemical Works, Incorporated, assignee: *See*—
Balzer, Manuel M.

Nicaise, Leon A., Lambersart-les-Lille, France. Recording scale. 2,544,038, Mar. 6.

Nicholson, James B., Craigmillar, Slocksfield, assignor to The Corrugated Packing and Sheet Metal Company Limited, Gateshead, England. Gasket for insertion between joint faces which are subject to pressure. 2,544,347, Mar. 6.

Nickell, Claude H., New Castle, Ind. Tail wheel assembly. 2,544,278, Mar. 6.

Noguera, Joseph, assignor to Casablancas High Draft Company Limited, Manchester, England. Roller gearing for drafting mechanisms for textile fibers. 2,544,468, Mar. 6.

North American Geophysical Company, assignee: *See*—
Cloud, Raymond T.

Norton Company, assignee: *See*—
Amidon, Charles H., and Peterson.
Bridgman, Percy W., Ridgway, and van der Pyl.
Holter, Norman F., and Beth.
Mader, Stewart S.

Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company. Latch. 2,544,611, Mar. 6.

Nystrom, Axel C., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel support. 2,544,348, Mar. 6.

O. & S. Bearing Company, assignee: *See*—
Kogstrom, Axel W.

O'Donnell, Gordon J.: *See*—
Moore, Robert J., and O'Donnell.

Ogletree, Annie R., assignee: *See*—
Killingsworth, Samuel J.

Ogorzaly, Henry J.: *See*—
Mayer, Ivan, and Ogorzaly.

Ohmert, Richard A., Glendale, Calif. Domestic electric floor polisher, buffer, and applicator. 2,544,174, Mar. 6.

Oil Well Supply Company, assignee: *See*—
Keim, Charles J., and Maier.

Oldham and Son Limited, assignee: *See*—
Holt, Harry, Jr.

Olin Industries, Inc., assignee: *See*—
O'Neill, John J., Jr., and Reichardt.

Oliver Corporation, The, assignee: *See*—
Altgelt, Herman E.

Olman, Peter M., Los Angeles, Calif. Power translation mechanism. 2,543,929, Mar. 6.

Olsen, Wesley A., assignor to Sanitary Metal Products Company, Oakland, Calif. Heat exchange apparatus. 2,544,349, Mar. 6.

Olson, Carl T., Belle Vernon, assignor of fifty per cent to H. W. Nahl, Monessen, Pa. Precision angle and internal taper gauge. 2,544,469, Mar. 6.

Olson, Leonard E., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,544,350, Mar. 6.

Olson, Oscar R., Pittsburgh, Pa. Kettle furnace. 2,543,982, Mar. 6.

O'Neill, John J., Jr., Roxana, and E. P. Reichardt, Alton, assignors to Olin Industries, Inc., East Alton, Ill. Producing cellulose pellets. 2,543,928, Mar. 6.

Opryshek, John, Jr.: *See*—
Fourrier, Francis L., and Opryshek.

Osborne, Sidney G.: *See*—
Stuart, Kenneth E., and Osborne.

O'Sickey, Arthur A.: *See*—
Irti, Ernest, and O'Sickey.

Oslund, Herbert D., Minneapolis, Minn. Machine for trimming the finger plate on a piano key. 2,544,175, Mar. 6.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Calendar clock mechanism. 2,543,983, Mar. 6.

Ostrow, Philip A., Providence, R. I. Auxiliary steering wheel for dual control automobiles. 2,544,635, Mar. 6.

Oxley, John H., Watertown, Mass. Box. 2,544,101, Mar. 6.

Pachter, John J., Harvey, Ill. Wheel springing installation. 2,543,930, Mar. 6.

Page, Irving H., Silver Spring, Md. Radio amplifier circuits. 2,543,797, Mar. 6.

Page, William, Appleton, Wis., assignor to Swigart Paper Co., Chicago, Ill. Tympan. 2,544,279, Mar. 6.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure responsive means. 2,544,612, Mar. 6.

Paige, Byron L., Camp Campbell, Ky. Pipe and cigarette lighter. 2,543,798, Mar. 6.

Palen, Peter H., Paterson, and H. W. Burdett, Glen Rock, N. J., assignors to Wright Aeronautical Corporation. Transmission. 2,544,542, Mar. 6.

Palmer, Everett S., Jr.: *See*—
Peterson, Ivan A., and Palmer.

Palmer, John E., Calgary, Alberta, Canada. Spray nozzle and attachment. 2,544,176, Mar. 6.

Palmquist, Philip V., New Canada Township, Ramsey County, and D. J. Douglas, Mendota Township, Dakota County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive. 2,543,799, Mar. 6.

Palmquist, Philip V., New Canada Township, Ramsey County, and R. E. Penrod, Minneapolis, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,543,800, Mar. 6.

Panes, Isidore, New York, N. Y. Brassière. 2,543,984, Mar. 6.

Panfil, Conrad J., Sr., assignor to The Heinn Company, Milwaukee, Wis. Multiple catalogue binder. 2,543,865, Mar. 6.

Panfil, Conrad J., Sr., assignor to The Heinn Company, Milwaukee, Wis. Removable loose-leaf binder. 2,543,866, Mar. 6.

Paradise, Moses L., Milwaukee, Wis. Curtain and drapery hanger. 2,544,177, Mar. 6.

Parke, Davis & Company, assignee: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
Seegers, Walter H., Loomis, and Ware.

Parke, Th[illegible] V.: *See*—
[illegible]iam W., and Parke.

Parke[illegible] H., Jr., Stamford, Conn., assignor to [illegible]namid Company, New York, N. Y. Pre[illegible]setting urea-formaldehyde compositions. [illegible]r. 6.

Pa[illegible]rdon D., and H. M. Stark, assignors to [illegible]t de Nemours & Company, Wilmington, Del. [illegible] of shaped polyvinyl alcohol objects. 2[illegible] Mar. 6.

Pavelle Color Incorporated, assignee: *See*—
Varden, Lloyd E.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 2,544,434, Mar. 6.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Preparing yarn spools and tube frames for Axminster looms. 2,544,435, Mar. 6.

Pearne, Frank S., Alhambra, Calif. Automobile lift. 2,544,039, Mar. 6.

Pearson, Donald G.: *See*—
Libby, Henry T., and Pearson.

Pease, Richard L., Wauwatosa, Wis. Receiving apparatus for radio signals. 2,544,102, Mar. 6.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Sorting mechanism for blanks. 2,543,802, Mar. 6.

Peck, Dwight C., Bergenfield, assignor to The Egyptian Lacquer Manufacturing Company, Newark, N. J. High-density, free-flowing pigment bases. 2,544,636, Mar. 6.

Pegg, Samuel & Son, assignee: *See*—
Helliwell, Guy S., and Swindall.

Penrod, Raymond E.: *See*—
Palmquist, Philip V., and Penrod.

Pescara, Raul P., assignee: *See*—
Horgen, Helge B.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin winding machine. 2,543,931, Mar. 6.

Peterson, Ivan A., and E. S. Palmer, Jr., Phillips, Tex., assignors to Phillips Petroleum Company. Preventing foaming of aqueous absorption liquids when employed in the removal of acid constituents present in gaseous mixtures. 2,544,564, Mar. 6.

Peterson, Iver E.: *See*—
Amidon, Charles H., and Peterson.

Peterson, James H.: *See*—
Deyrup, Alden J., and Peterson.

Peterson, Robert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure regulator. 2,544,040, Mar. 6.

Peterson, Vincent C.: *See*—
Lamar, Charles C., and Peterson.

Petrolite Corporation, Ltd., assignee: *See*—
Turner, Delber W.

Pettengill, Ralph H., deceased, by R. M. Pettengill, executrix, Georgetown, Mass., and J. W. Sjostrom, assignors to Pope Machinery Corporation, Haverhill, Mass. Machine for breasting Louis heels. 2,544,470, Mar. 6.

Pettengill, Rita M., executrix: *See*—
Pettengill, Ralph H., and Sjostrom.

Pfahler, Lloyd L., Mansfield, Ohio. Frog fish lure. 2,544,178, Mar. 6.

Pfenninger, Hans, assignor, to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combination gas turbine plant. 2,544,235, Mar. 6.

Phelps, Rose W., Orillia, and L. T. Rutledge, Kingston, Ontario, Canada, said Rutledge assignor to said Phelps. Governor with adjusting mechanism. 2,544,352, Mar. 6.

Philco Corporation, assignee: *See*—
Kennedy, Gilbert J.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,544,353, Mar. 6.

Phillips, Lawrence H., assignor to O. B. Andrews Company, Chattanooga, Tenn. Collapsible carton. 2,544,565, Mar. 6.

Phillips Petroleum Company, assignee: *See*—
Bayless, Frederick B., and Chase.
Beu, Karl E., and Claassen.
Carnell, Paul H.
Frey, Frederick E.
Fryling, Charles F.
Hachmuth, Karl H.
Jones, Jean P., and Axe.
Matuszak, Maryan P.
Peterson, Ivan A., and Palmer.
Pritchard, James E.
Weber, Louis J.

Phillips Tutch-Latch Company, assignee: *See*—
Nottingham, Ralph K.

Pierce, Johnie O., assignee: *See*—
Vanderhider, Henry M.

Pin Money Exchange, Incorporated, assignee: *See*—
Heyward, Harold A.

Pittsburgh Screw and Bolt Corporation, assignee: *See*—
Elmer, George P.

Plaut, Herman, Los Angeles, assignor to Aerojet Engineering Corporation, Azusa, Calif. Tetranitrodiols and preparing same. 2,544,103, Mar. 6.

Plax Corporation, assignee: *See*—
Reber, Clarence G., and Dalzell.

Polaroid Corporation, assignee: *See*—
Land, Edwin H.

Polk Development Company, The, assignee: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Gilbert C., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Dust collector. 2,544,395, Mar. 6.

Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Sr., and Ralph, Jr., assignors to The Polk Development Company, Tampa, Fla. Treatment of citrus fruit to facilitate peeling. 2,543,932, Mar. 6.

Pommier, Henry, New York, N. Y. Detachable fastener. 2,543,933, Mar. 6.

Ponte, Maurice, Paris, France, assignor to Societe Francaise Radio Electrique. Electric discharge valve. 2,544,104, Mar. 6.

Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic power brake servo mechanism. 2,544,042, Mar. 6.

Pope Machinery Corporation, assignee: *See*—
Pettengill, Ralph H., and Sjostrom.

Porter, Francis W., Marshfield, Mass., assignor to Wright Aeronautical Corporation. Multispeed transmission. 2,544,543, Mar. 6.

Poskey, Fred, Stamps, Ark. Bracket for supporting an inverted Mason type jar containing articles to be dispensed, including a receptacle with rotary valve. 2,543,934, Mar. 6.

Power-Samas Accounting Machines Limited, assignee: *See*—
Baldwin, Richard E.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Method and apparatus for finishing rack sections. 2,543,985, Mar. 6.

Prahl, Frederick A., Steubenville, Ohio, assignor to National Steel Corporation. Apparatus and method for plating stripe. 2,544,510, Mar. 6.

Prahm, Louis, New York, N. Y. Two-way communication system. 2,543,986, Mar. 6.

Pratt, Ryder, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Safety heat control system. 2,544,511, Mar. 6.

Preco Incorporated, assignee: *See*—
Van Dorn, William E., and Beemer.

Prescott, Robert S., Washington, D. C. Detonator testing device. 2,543,803, Mar. 6.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power brake control with automatic locking means. 2,544,043, Mar. 6.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism. 2,544,041, Mar. 6.

Pritchard, James E., Phillips, Tex., assignor to Phillips Petroleum Company. Making plasticizer for synthetic rubber by reacting a rubbery polymer of a diolefin with an alkyl mercaptan. 2,543,867, Mar. 6.

Proctor, Austin, assignor to The Girdler Corporation, Louisville, Ky. Grounding arrangement for high-frequency transfer switches. 2,543,804, Mar. 6.

Production Instrument Company, assignee: *See*—
Nelson, Martin L.

Prokop, Charles L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Sealing of porous formations. 2,543,868, Mar. 6.

Purcell, Peter E., Portland, Oreg. Vent plug for oil drums. 2,544,613, Mar. 6.

Purdue Research Foundation, assignee.: *See*—
McBee, Earl T., and Robb.

Pye Limited, assignee: *See*—
Bennett, Arthur J., and Lax.

Pyrene Manufacturing Company, assignee: *See*—
MacGregor, Peter G.

Qualley, Ray W., Dayton, and A. B. Newton, Oakwood, Ohio, assignors to Chrysler Corporation, Highland Park, Mich. Heating system. 2,544,544, Mar. 6.

Quick, Frederick A., Bellerose, assignor to Gregory Motors, Inc., Brooklyn, N. Y. Oscillating display device. 2,544,105, Mar. 6.

Rabenda, Edward J., Poughkeepsie, and F. J. Furman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled recording apparatus. 2,543,935, Mar. 6.

Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Forming film. 2,544,258, Mar. 6.

Radio Corporation of America, assignee: *See*—
Barton, Loy E.
Braden, René A.
Brown, George H., and MacKimmie.
Carlson, Wendell L., and Harvey.
Gottier, Thomas L.
Herold, Edward W.
Kettler, Alfred H.
Mackey, Donald.
Richmond, Martin R.
Sands, William F.
Shenk, Eugene R.
Whittaker, James L.

Rady, William J., and L. A. Rice, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator regulator. 2,544,179, Mar. 6.

Ramsay, William S., assignor, by mesne assignments, to Stark Ceramics, Inc., Canton, Ohio. Producing porous, light-weight, burned argillaceous material. 2,543,987, Mar. 6.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Sealing fastener for the floor plates of the tray of a bubble tower. 2,544,614, Mar. 6.

Ray, Harry S., Hollywood, Calif. One person seesaw. 2,544,106, Mar. 6.

Raybin, Murray, Bronx, N. Y. Tooth cleaning and gum massaging implement. 2,544,396, Mar. 6.

Raymond, Morris, Brooklyn, N. Y. Collapsible chair or stool. 2,544,615, Mar. 6.

Raytheon Manufacturing Company, assignee: *See*—
Brown, William C., and Stacy.
Stutsman, Paul W.
Westcott, Vernon C.

Razdowitz, Adolph: *See*—
Yardeny, Michel N., and Razdowitz.

Reber, Clarence G., Newington, Conn., and S. Dalzell, III, Brookline, Mass., assignors to Plax Corporation, West Hartford, Conn. Apparatus and method for producing gusseted plastic tubing. 2,544,044. Mar. 6.

Rebstock, Mildred C.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Barts.

Rees, Frank X., Chill, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,543,869, Mar. 6.

Rees, Harry A.: *See*—
Marshall, Alec F., and Rees.

Reese, Thomas S., University Heights, Ohio, assignor to The Di-Noc Company. Photosentitive transfer. 2,544,237, Mar. 6.

Reichardt, Emerald P.: *See*—
O'Neill, John J., Jr., and Reichardt.

Reimert, Lawrence J., and E. A. Fatzinger, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc oxide-magnesium oxide luminous pigments activated by bismuth or bismuth and iron. 2,544,236, Mar. 6.

Reinhardt, Robert C., assignor to The Dow Chemical Company, Midland, Mich. Product control in suspension polymerizations. 2,543,805, Mar. 6.

Reiter, Jacob F., La Porte, Ind. Washcloth. 2,544,354, Mar. 6.

Revere Copper and Brass Incorporated, assignee: *See*—
Goulding, Joseph M.

Reynolds, Julian L., Richmond, Va. Apparatus for covering a metallic core with a cast layer of another metal. 2,543,936, Mar. 6.

Reynolds, Julian L., Richmond, Va. Radiant heating and therapeutic chamber. 2,543,937, Mar. 6.

Rhodes, Daniel: *See*—
Austin, Leslie W., and Rhodes.

Rice, Lyman A.: *See*—
Rady, William J., and Rice.

Richards, Carroll H., Boston, Mass. Automatic and manually operated clutch. 2,544,107, Mar. 6.

Richards, Charles D., Eddyville, Ky. Multiple electrical rail bond. 2,544,180, Mar. 6.

Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connecting. 2,544,108, Mar. 6.

Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Pipe connection. 2,544,109, Mar. 6.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Trailer hitch for tractors. 2,544,181, Mar. 6.

Richmond, Martin R., Cambridge, Mass., assignor to Radio Corporation of America. Obstacle-detector indicator system. 2,544,355, Mar. 6.

Ridgway, Raymond R.: *See*—
Bridgman, Percy W., Ridgway, and van der Pyl.

Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Adjustable windshield visor. 2,544,045, Mar. 6.

Riley, Roy J., Tulsa, Okla. Removable window sash. 2,544,046, Mar. 6.

Ripley, George, III, Bradenton, Fla. Coin controlled electric circuit. 2,543,938, Mar. 6.

Rither, Lee S., Chicago Heights, Ill. Dual-purpose brake mechanism. 2,544,471, Mar. 6.

Ritter, Andrew, Pittsburgh, Pa. Fishing line guide. 2,544,238, Mar. 6.

Robb, Richard M.: *See*—
McBee, Earl T., and Robb.

Robbins, Douglas R., Middletown, Ohio. Suction box cover for papermaking machines. 2,543,870, Mar. 6.

Roberts, Marion G., Parkersburg, W. Va., assignor to The Airoilte Company, Marietta, Ohio. Ventilator. 2,544,182, Mar. 6.

Robinson, Joseph J., Jr., and H. M. Wassem, assignors to Marsh Wall Products, Incorporated, Dover, Ohio. Air control for sanding machines. 2,543,988, Mar. 6.

Robinson, Theodore B.: *See*—
Earle, Norman E., and Robinson.

Robinson, Thomas, New York, N. Y., assignor to Lancaster Chemical Corporation. Apparatus for pulverisation and dispersion of materials. 2,544,047, Mar. 6.

Rockburg, George A., assignor to The T. L. Smith Company, Milwaukee, Wis. Mixer. 2,544,545, Mar. 6.

Rockford Sash Holder, Inc., assignee: *See*—
Wintercorn, Andrew F.

Rockwell, Harvey W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, Hydraulic system for operating hydraulic cylinders and pistons. 2,543,989, Mar. 6.

Roeser, Harry M., assignor to Streeter-Amet Company, Chicago, Ill. Motion weighing. 2,543,806, Mar. 6.

Rogers, Philip S., W. O. Emmons, J. W. Godfrey, and J. M. Kelso, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Aircraft radio cooling. 2,544,183, Mar. 6.

Rolls Razor Limited, assignee: *See*—
Butler, Arthur C.

Rolls-Royce Limited, assignee: *See*—
West, Harold E. W.

Rome Cable Corporation, assignee: *See*—
McCutchan, George L.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Joint construction. 2,544,546, Mar. 6.

Root, John G.: *See*—
Dyson, Louis M., and Root.

Rose, Joseph K., Chicago, Ill. Album. 2,544,566, Mar. 6.

Rosenbaum, Harry S., Baltimore, Md. Tilting mechanism for Venetian blinds. 2,541,184, Mar. 6.

Rosenblatt, Joel H., Baltimore, Md. Concrete form. 2,544,110, Mar. 6.

Royer, Leroy, Louisville, assignor, by mesne assignments, to D. F. Arbuckle, Canton, Ohio. Combination lathe dog and vise. 2,543,990, Mar. 6.

Ruben, Fred S.: *See*—
Grunwald, Edward, and Ruben.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Molding building slabs in position. 2,543,939, Mar. 6.

Rundell, Harwood F., assignor to Aeroquip Corporation, Jackson, Mich. Electrical resistance pressure responsive gauge. 2,544,567, Mar. 6.

Russell, Burdsall & Ward Bolt & Nut Company, assignee: *See*—
Burdsall, Richard L.

Rutledge, Lewis T.: *See*—
Phelps, Rose W., and Rutledge.

S. A. Les Fabriques de Balanciers Reunies, assignee: *See*—
Fleck, Charles.

Sabine, Maurice, Conflans-Sainte-Honorine, assignor to Lignes Telegraphiques et Telephoniques, Seine-et-Oise, France. Device for mounting insulating washers on electrical conductors. 2,544,280, Mar. 6.

Sabo, Louis, Astoria, assignor to Delman, Inc., New York, N. Y. Heel stiffening plate. 2,544,048, Mar. 6.

Sachanen, Alexander N.: *See*—
Brooks, John W., and Sachanen.

Saegert, Marie S., assignee: *See*—
Scavullo, Angelo C.

St. John, Kenneth R., Minneapolis, Minn., assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Inventory manifolding assembly. 2,543,944, Mar. 6.

St. Regis Paper Company, assignee: *See*—
Linda, Frank R.
Vredenburg, Edric W.
Zenke, Herbert J., and Arnold.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Determination of petroleum sulfonate as a demulsifying agent for water-in-oil emulsions. 2,543,871, Mar. 6.

Saling, Donald M., Poughkeepsie, N. Y., assignor to ATF Incorporated. Voice operated relay. 2,543,807, Mar. 6.

Sandos Limited, assignee: *See*—
Jaccard, Gaston.

Sands, Charles L., Newton, assignor of one-half to C. R. Tucker, East Orange, N. J. Air lock work clamp. 2,544,356, Mar. 6.

Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. High-frequency strap-wound coils. 2,543,940, Mar. 6.

Sanitary Metal Products Company, assignee: *See*—
Olsen, Wesley A.

Santucci, Lawrence F., and J. S. Showalter, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Sliding cockpit enclosure for aircraft. 2,544,397, Mar. 6.

Sargent, Frank T., Clio, Mich. Trailer hitch. 2,544,185, Mar. 6.

Sargent, Richard B., Erdenheim, assignor to Hale Fire Pump Co., Conshohocken, Pa. Proportioning device. 2,543,941, Mar. 6.

Sartorius, William, Summit, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Cooling of spray-dried soap products. 2,544,616, Mar. 6.

Savage-Barnett Tool Company, assignee: *See*—
Barnett, Elson T.

Sawner, Clifford D., Vernon Center, N. Y. Bait box. 2,544,049, Mar. 6.

Sayers, Frederick, assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Pressure regulator. 2,544,186, Mar. 6.

Scavullo, Angelo C., assignor to V. K., F., and C. Scavullo, M. S. Saegert, and M. S. Scott, Forest Hills, N. Y. Platter. 2,544,357, Mar. 6.

Scavullo, Charles, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Frank, assignee: *See*—
Scavullo, Angelo C.

Scavullo, Victor K., assignee: *See*—
Scavullo, Angelo C.

Schaefer Equipment Company, assignee: *See*—
Schaefer, Frederic.

Schaefer, Frederic, assignor to Schaefer Equipment Company, Pittsburgh, Pa. Connecting member with forked ends. 2,544,398, Mar. 6.

Schaefer, Hans F., Jr., Marblehead, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y. Computer for aviation trainers and the like. 2,543,872, Mar. 6.

Schermuly, Alfred J., Parkgate, Newdigate, England. Fuse. 2,544,358, Mar. 6.

Schetty, Guido: *See*—
Conzetti, Achille, and Schetty.

Schirmer, Cyrus T., Wayland, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc. Garage door operating device. 2,544,239, Mar. 6.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of diborane. 2,544,472, Mar. 6.

Schlobohm, Ludwig: *See*—
Stanitz, Jacques, and Schlobohm.

Schmidt, Alfred T., North Hollywood, Calif. Molding for indirect lighting. 2,544,359, Mar. 6.

Schmidt, Marvin L., Fort Wayne, Ind., assignor to General Electric Company. Clutch and brake mechanism. 2,544,360, Mar. 6.

Schmitkons, George C., Detroit, Mich. Holder for sealed liquid container, with puncturing and dispensing means for said container. 2,544,361, Mar. 6.

Schneebell, Hugo, Courbevoie, France. Carburetor. 2,544,111, Mar. 6.

Schneider, Friedrich A., Venlo, assignor to Accumulatoren Fabriek Varta N. V., Amsterdam, Netherlands. Sintered battery plate and making. 2,544,112, Mar. 6.

Schneider, John H., Irwin, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Harness release. 2,544,399, Mar. 6.

Schnell, Effner, Brillion, Wis. Retractable wheel lug. 2,544,050, Mar. 6.

Schonitzer, Rudolph I., assignee: *See*—
De Vito, Angelo R.

Schou, Aage A. J., Copenhagen, Denmark. Machine for supplying air to pneumatic relooping tools. 2,544,051, Mar. 6.

Schraffenberger, Elizabeth: *See*—
De Becze, George I., Moore, and Schraffenberger.

Schulte, Theodore H., assignee: *See*—
Judy, John S.

Schuricht, Henry A., assignor to Whizzer Motor Company, Pontiac, Mich. Spring fork mechanism. 2,543,991, Mar. 6.

Scott, Henry O., Mitchell, S. Dak. Clipper attachment. 2,544,052, Mar. 6.

Scott, Margaret S., assignee: *See*—
Scavullo, Angelo C.

Scruby, John E., Visalia, Calif. Centrifugal clutch. 2,543,873, Mar. 6.

Scruggs, Josiah H., Birmingham, Ala. Window screen frame. 2,544,512, Mar. 6.

Searle, G. D., & Co., assignee: *See*—
Cusic, John W.

Seeger Refrigerator Company, assignee: *See*—
Iwashita, George K.

Seegers, Walter H., Detroit, E. C. Loomis, Grosse Pointe Park, and A. G. Ware, Royal Oak, assignors to Parke, Davis & Company, Detroit, Mich. Preparing fibrinogen. 2,543,808, Mar. 6.

Segall, Gordon H., McMasterville, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Preparation of diallyl ether dichlorohydrins. 2,543,992, Mar. 6.

Seifried, Anthony G.: *See*—
Sternad, Frank S., and Seifried.

Sell, Lewis W., assignor to Cory Corporation, Chicago, Ill. Housing for electric fans and the like. 2,544,281, Mar. 6.

Selzer, Clarence F., New York, N. Y. Inking device. 2,544,362, Mar. 6.

Semple, William A.: *See*—
Hollum, Arne M., James, and Semple.

Sensiper, Samuel, Garden City, N. Y., assignor to The Sperry Corporation. Coupling loop. 2,543,809, Mar. 6.

Seymour, Malcolm: *See*—
Manning, Joseph F., and Seymour.

Seymour, Raymond B.: *See*—
Mowry, David T., and Seymour.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Power-operated nail driver. 2,543,942, Mar. 6.

Shankweiler, Hiram E., assignor to R. H. Williams, Chicago, Ill. Boring and drilling apparatus. 2,544,617, Mar. 6.

Sharaf, Nathan, Brookline, Mass. Dish holder. 2,544,053, Mar. 6.

Sharp & Dohme, Incorporated, assignee: *See*—
Hegarty, Charles P., and Verwey.

Shell Development Company, assignee: *See*—
Liedholm, George E., and Harlan.
Moore, Robert J., and O'Donnell.
Wachter, Aaron, and Stillman.

Shelverton, Fred, Pequannock, N. J. Water cycle. 2,544,240, Mar. 6.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic distributor. 2,543,874, Mar. 6.

Shepherd, Joseph H., St. Louis, Mo. Reversible book. 2,544,568, Mar. 6.

Showalter, Joseph S.: *See*—
Santucci, Lawrence F., and Showalter.

Shrader, Marvin O., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of N,N'-diaryl derivatives of perylene dilmid. 2,543,747, Mar. 6.

Shulman, Albert, Chicago, Ill. Educational toy. 2,543,998, Mar. 6.

Siemons, Otto, Keyport, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbon black pigment dispersion. 2,544,363, Mar. 6.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Signaling system. 2,544,569, Mar. 6.

Silverman, Isador, Cleveland, Ohio. Furniture construction. 2,543,875, Mar. 6.

Sinclair, James A., and R. P. Willard, Elmira, N. Y. Needle pulling device for hand sewing. 2,544,282, Mar. 6.

Sinclair Refining Company, assignee: *See*—
Olson, Leonard E.

Singer Manufacturing Company, The, assignee: *See*—
Trickey, Philip H.
Weber, Max E.

Sjostrom, John W.: *See*—
Pettengill, Ralph H., and Sjostrom.

Skeem, Christian S., Buhl, Idaho. Land leveler. 2,543,943, Mar. 6.

Sklaar, Richard, Rochester, N. Y., assignor, by mesne assignments, to K. & S. Corp., Baltimore, Md. Garment hanger. 2,543,810, Mar. 6.

Slaughter, Philip E.: *See*—
Eckenbeck, Dana C., Slaughter, and Madden.

Smith, A. O., Corporation, assignee: *See*—
Higgins, Waldo W.

Smith, A. P., Manufacturing Company, The, assignee: *See*—
Gaffin, Harry.

Smith, Glenn J., Hazelhurst, Pa. Hunting license holder. 2,544,618, Mar. 6.

Smith, Howard A.: *See*—
Davenport, William F., and Smith.

Smith, John W.: *See*—
Hester, Frank A., and Smith.

Smith, Judson P., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Valve structure and system therefor. 2,544,054, Mar. 6.

Smith, Lester W., Corpus Christi, Tex. Hydrostatic rotary jar. 2,544,473, Mar. 6.

Smith, T. L., Company, The, assignee: *See*—
Rockburg, George A.

Smith, William A., Dagenham, England. Brace end. 2,544,619, Mar. 6.

Smith, William P. C., Rockport, Mass. Hydraulic power unit with fixed piston for producing oscillating motion. 2,543,876, Mar. 6.

Snead, Edwin B., Austin, Tex. Turntable road machine. 2,544,113, Mar. 6.

Snow, Virgil L., Beverly Hills Drive, and W. F. Double, Wickliffe, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Axle with wheel-type planetary drive. 2,543,811, Mar. 6.

Snyder, Leonard W., Mount Prospect, assignor to Container Corporation of America, Chicago, Ill. Re-usable container. 2,544,283, Mar. 6.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Fourneau, Ernest.

Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., assignee: *See*—
Horgen, Helge B.

Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Levy, René L.

Societe Francaise Radio Electrique, assignee: *See*—
Chireix, Henri.
Ponte, Maurice.

Societe Nouvelle des Etablissements Jumo, assignee: *See*—
Mounique, André.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Backensto, Elwood B.
Brooks, John W., and Sachanen.
Giammaria, John J.
Glassbrook, Clarence I.

Solomon, Nathan L., and W. F. Feyrer, Englewood, and A. E. Anderson, Oradell, N. J.; said Feyrer and said Anderson assignors to said Solomon. Curl setting device. 2,544,364, Mar. 6.

Sorenson, Ben E., Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acylated phenol-formaldehyde resins containing ketene polymers of higher fatty acids. 2,544,365, Mar. 6.

Sourwine, William A., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Strain measuring instrument. 2,544,400, Mar. 6.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Speed control for motors. 2,543,812, Mar. 6.

Sperry Corporation, The, assignee: *See*—
Ayres, Waldemar A.
Sensiper, Samuel.

Spurling, Sherman D., Macon, Ga. Wire reel. 2,544,401, Mar. 6.

Staats, Franklin E., Keithsburg, Ill. Variable throw crankshaft piston type radial pump. 2,544,055, Mar. 6.

Stacy, John E.: *See*—
Brown, William C., and Stacy.

Standard Cap and Seal Corporation, assignee: *See*—
Zimmermann, Willy E.

Standard Dayton Corporation, assignee: *See*—
Burrus, Paul B., and Ditmer.

Standard Oil Company, assignee: *See*—
Boyd, Loyd Q.
Tom, Theodore B.

Standard Oil Development Company, assignee: *See*—
Archibald, Francis M., and Mottern.
Barry, Adelbert.
Brown, Stephen S.
Ernst, Henry, Jr.
Fourrier, Francis L., and Opryshek.
Frosch, Alex.
Hill, Boyd N., and Wadley.
Long, Robert W.
Martin, Homer Z.
Mayer, Ivan, and Ogorzaly.
Prokop, Charles L.
Salathiel, Richard A.
Welkart, John.

Standard-Thomson Corporation, assignee: *See*—
Woods, John E.

Stanitz, Jacques, Warren, and L. Schlobohm, Cleveland Heights, assignors to Mullins Manufacturing Corporation, Salem, Ohio. Dishwashing machine. 2,543,993, Mar. 6.

Stanolind Oil and Gas Company, assignee: *See*—
Michael, Vesta F.
Silverman, Daniel.
Vincent, Renie P.
Walker, Scott W., and Eickmeyer.

Stark Ceramics, Inc., assignee: *See*—
Ramsay, William S.

Stark, Henry M.: *See*—
Patterson, Gordon D., and Stark.

Start, Ernest: *See*—
Start, Harry W. and E.

Start, Harry W., Carlton, and E. Start, Wilford, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Welt turning mechanism for straight bar knitting machines. 2,544,187, Mar. 6.

Stator Company, assignee: *See*—
Whitney, Lyman F. and W. E., and Comstock.

Steapleton, Robert C., Attalla, Ala. Cleaner for hand rakes. 2,544,486, Mar. 6.

Stein, Charles, Los Angeles, Calif. Speed warning signal for automobile drivers. 2,543,877, Mar. 6.

Steinberg, Betty, Beverly Hills, Calif. Hairpin dispenser. 2,544,114, Mar. 6.

Steinert, Margaret E., Seattle, Wash. Diaper cover. 2,544,620, Mar. 6.

Steinschlaeger, Michael, London, England. Manufacture of carbureted water gas and like gases. 2,544,188, Mar. 6.

Stelter, Francis C. W., New York, N. Y. Timing device. 2,544,621, Mar. 6.

Stephens, Foster M., and A. Bartels, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Muffler with plural perforated passages. 2,544,284, Mar. 6.

Sternad, Frank S., Cuyahoga Falls, and A. G. Seifried, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for cutting material. 2,544,241, Mar. 6.

Stewart, Virgil F., East Cleveland, Ohio. Fluid controlled transmission. 2,543,878, Mar. 6.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Storm Herbert F., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic chuck control circuit. 2,544,366, Mar. 6.

Stortz, Stephen W., Fort Atkinson, Wis. Fluid pressure control valve. 2,544,056, Mar. 6.

Stover, Fred J., Rocky River, Ohio. Iron precipitator. 2,543,813, Mar. 6.

Stow, Robert P., Downers Grove, assignor to Armour and Company, Chicago, Ill. Sheepskinning process. 2,544,437, Mar. 6.

Streeter-Amet Company, assignee: *See*—
Mayer, Harry.
Roeser, Harry M.

Strobel, Albert F.: *See*—
Grimmel, Harry W., and Strobel.

Stuart, Kenneth E., and S. G. Osborne, Niagara Falls, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electrolytic cell. 2,544,285, Mar. 6.

Stuckey, Samuel G., Farmington, assignor to F. J. Esener, St. Louis, Mo. Paddle. 2,543,879, Mar. 6.

Sturgeon, Halbert C., Hugoton, assignor to D. and L. W. Fransen, both of Wichita, Kans. Grain bin loader. 2,544,570, Mar. 6.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gas discharging device. 2,544,513, Mar. 6.

Sunbeam Lighting Company, assignee: *See*—
Bodian, Marcus.

Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.

Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.

Sutton Patents, Inc., assignee: *See*—
Lermont, Basil.

Swanton, John R., Jr., Newton, assignor to Arthur D. Little, Inc., Cambridge, Mass. Heating system. 2,544,474, Mar. 6.

Swigart Paper Co., assignee: *See*—
Page, William.

Swindall, John L.: *See*—
Helliwell, Guy S., and Swindall.

T. & T. Vicars Limited, assignee: *See*—
Crosland, Edward M.

Tankersley, Vance C., Miles, Tex. Chicken brooder. 2,544,189, Mar. 6.

Tanner, Joseph A., Farnborough, England. Electric motor control system. 2,544,286, Mar. 6.

Tasker, James D., Chicago, Ill. Electrically heated apparatus for fitting lens into frames. 2,544,514, Mar. 6.

Tatar, Fred, Gloversville, N. Y. Glove. 2,544,515, Mar. 6.

Taylor, Preston D., Roswell, N. Mex. Adjustable pipe and casing rethreader and cleaner. 2,543,945, Mar. 6.

Teralemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Technicolor Motion Picture Corporation, assignee: *See*—
Clark, John R., Jr.
Rackett, Gerald F.

Teletype Corporation, assignee: *See*—
Hansen, Theodore A.

Tener, Wallis M., Richmond, Va. Elapsed time recorder. 2,543,946, Mar. 6.

Tessmer, Raymond G., Tonawanda, assignor to A. Jacobowitz, Buffalo, N. Y. Liquid filter. 2,544,402, Mar. 6.

Texas Company, The, assignee: *See*—
Malin, Jay B.

Textile Marking Machine Co., Inc., assignee: *See*—
Braun, Philip N.

Thelin, Person A., Chicago, Ill. Gripping and lifting device. 2,543,947, Mar. 6.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Centrifugal separator. 2,544,367, Mar. 6.

Thomas & Betts Co., The, assignee: *See*—
Manahan, George.

Thomas, Robert J., Carney's Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyeing of acrylonitrile polymers. 2,543,994, Mar. 6.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Thompson, Willis H., E. O. Tolson, and R. H. McLemore, assignors to Welex Jet Services, Inc., Fort Worth, Tex. Tilting explosive charges in wells. 2,543,814, Mar. 6.

Thorne, Irvin I., Portland, Oreg. Scaffold bracket for ladders. 2,544,368, Mar. 6.

Thorp, Leroy M., and E. R. Nelson, Sioux City, Iowa, assignors to White Manufacturing Company, Colorado Springs, Colo. Wreath-holder for caskets. 2,543,880, Mar. 6.

Tice, Reuben S., Monterey, Calif. Electrical heating system for damp places. 2,543,882, Mar. 6.

Todd, Arthur L., San Dimas, Calif. Filtering means for the stacks of smudge pots and the like. 2,544,190, Mar. 6.

Tolson, Eugene O.: *See*—
Thompson, Willis H., Tolson, and McLemore.

Tom, Theodore B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Treating hydrocarbon oils. 2,543,995, Mar. 6.

Tomfohrde, Gilbert, Arpin, Wis. Conveyer for manure disposal systems. 2,544,191, Mar. 6.

Tornansky, Irving, Hartford, Conn. Adjustable block gauge. 2,544,192, Mar. 6.

Trapani, Vincent, and H. Krohn, Los Angeles, Calif. Scissors sharpener. 2,544,193, Mar. 6.

Trickey, Philip H., North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Wound rotor induction motor with automatic short-circuiters. 2,544,571, Mar. 6.

Tri-Clover Machine Co., assignee: *See*—
Hinrichs, Ferdinand.

Tucker, Clarence R., assignee: *See*—
Sands, Charles L.

Turner, Delber W., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Fluid distributor. 2,543,996, Mar. 6.

Turner, Morris, New York, N. Y. Crotch protector for trousers. 2,544,403, Mar. 6.

Tuttle, Orvil S.: *See*—
Dunne, James J., and Tuttle.

Twentieth Century Inventions Limited, assignee: *See*—
Flanagan, John.

Twin Disc Clutch Company, assignee: *See*—
Black, James B.
Vanderzee, Harry H.

Ulmer, William W., Alexandria, and L. R. Burroughs, South Bend, Ind., said Burroughs assignor to said Ulmer. Vibrating coatings while drying so as to impart a pattern thereto. 2,544,622, Mar. 6.

Umphlette, Charles L., Bellevue, and L. V. Hodgeboom, Kirkland, Wash. Floating reel seat for fishing rods. 2,543,881, Mar. 6.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.
Wilson, Chester E.

Union Special Machine Company, assignee: *See*—
Beck, Frederick W., Babka, and Lukins.

United Aircraft Products, Inc., assignee: *See*—
Clark, Warren H.
Wolcott, Glenn W.

United Air Lines, Inc., assignee: *See*—
Jensen, Evan A.

United Shoe Machinery Corporation, assignee: *See*—
Cantley, Joseph C.
Naugler, Walter E.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Dye, Raymond C.
Newton, Amos S., and Johnson.
Schlesinger, Hermann I., and Brown.
Stuart, Kenneth E., and Osborne.

United States Plywood Corporation, assignee: *See*—
Dunne, James J., and Tuttle.

United States Quarry Tile Company, assignee: *See*—
Feichter, Harold R.

Universal Camera Corporation, assignee: *See*—
Johnson, Frank M.

Upjohn Company, The, assignee: *See*—
Heinzelmann, Richard V.

Uttz, William A., Fort Worth, Tex. Mousetrap attachment. 2,544,475, Mar. 6.

Van Der Grinten, Karel J. J., Venlo, Netherlands, assignor to Chemische Fabriek L. Van Der Grinten. Exposure apparatus for making photoprints. 2,544,287, Mar. 6.

Vanderhider, Henry M., South San Antonio, assignor of fifty per cent to J. O. Pierce, Brownsville, Tex. Tellurian. 2,544,057, Mar. 6.

Van Der Pyl, Edward: *See*—
Bridgman, Percy W., Ridgway, and Van Der Pyl.

Vanderzee, Harry H., assignor to Twin Disc Clutch Company, Racine, Wis. Toothed drive for transmitting power. 2,544,194, Mar. 6.

Van Dorn, William E., Pasadena, and P. K. Beemer, Inglewood, assignors to Preco Incorporated, Los Angeles, Calif. Convertible bulkhead and air circulating fan assembly for refrigerator cars. 2,544,242, Mar. 6.

Van Yzeren, Ewoud A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency iron-cored coil. 2,544,195, Mar. 6.

Varden, Lloyd E., assignor to Pavelle Color Incorporated, New York, N. Y. Photoelectric color analyzer. 2,544,196, Mar. 6.

Vavra, Marvin J., West Los Angeles, and W. J. Barnett, Venice, Calif. Support. 2,543,997, Mar. 6.

Veenis, Cornelis: *See*—
Gusdorf, Frederik H., and Veenis.

Veldstra, Haaye, assignor to N. V. Amsterdamsche Chininefabriek, Amsterdam, Netherlands. Treatment of storage organs to control sprouting. 2,544,243, Mar. 6.

Venning, John, & Company Limited, assignee: *See*—
Venning, John D. E.

Venning, John D. E., assignor to John Venning & Company Limited, Alton, England. Air or gas relief valve. 2,544,476, Mar. 6.

Verwey, Willard F.: *See*—
Hegarty, Charles P., and Verwey.

Vickery, Frederick W., Guildford, assignor to Vickerys Limited, London, England. Felt conditioner for use in paper-making. 2,544,572, Mar. 6.

Vickerys Limited, assignee: *See*—
Vickery, Frederick W.

Vincent, Jay C., Los Angeles, Calif. Garbage incinerator. 2,544,369, Mar. 6.

Vincent, Renic P., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Drilling. 2,544,573, Mar. 6.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Babish.

Vogel, Charles A., Huntington, W. Va. Electrically heated floor mat. 2,544,547, Mar. 6.

Vokes, Cecil G., assignor to Vokes Limited, Guildford, England. Filter. 2,544,244, Mar. 6.

Vokes Limited, assignee: *See*—
Vokes, Cecil G.

Von Saspe, Henry C., Bound Brook, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Slump meter for truck concrete mixers. 2,543,883, Mar. 6.

Vosbikian, Peter S. and T. S., Melrose, Pa. Locking mechanism for handles of bladed tools. 2,544,197, Mar. 6.

Vosbikian, Peter S. and T. S., Melrose, Pa. Wax container with a plug valve and wick feed. 2,544,198, Mar. 6.

Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S. and T. S.

Voss, Joseph A., Denver, Colo. Tongue cleaner. 2,543,999, Mar. 6.

Vredenburg, Edric W., Berkeley, Calif., assignor to St. Regis Paper Company, New York, N. Y. Machine for dipping bags. 2,544,199, Mar. 6.

Wachter, Aaron, Oakland, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparing dicyclohexylammonium nitrite. 2,544,245, Mar. 6.

Wade, Stanley M., Santa Rosa, Calif. Therapeutic agent. 2,544,200, Mar. 6.

Wade, Stanley M., Santa Rosa, Calif. Therapeutic agent. 2,544,201, Mar. 6.

Wadley, Edward F.: *See*—
Hill, Boyd N., and Wadley.

Wagner, George M.: *See*—
Johnson, Carl E., and Wagner.

Wagner, Melvin, assignor to Glenside Bag Company, Glenside, Pa. Leakproof battery. 2,544,115, Mar. 6.

Waldes Koh-I-Noor, Inc., assignee: *See*—
Helmann, Heinrich, and Brozek.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Turkey enterohepatitis control composition. 2,543,748, Mar. 6.

Walker, Scott W., and A. G. Eickmeyer, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Catalyst regeneration. 2,544,574, Mar. 6.

Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Huntington Station, N. Y. Masking of marginal edges of overlapping images of mosiac pictures. 2,544,116, Mar. 6.

Waller, George W. D., and A. B. Moody, Annapolis, Md. Star finder. 2,543,815, Mar. 6.

Walmsleys, Messrs., (Bury) Ltd., assignee: *See*—
Lyon, William.

Walters, Ben, New York, N. Y. Drapery shaper. 2,544,516, Mar. 6.

Walther, Daniel A., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Tractor fifth wheel mounting. 2,543,749, Mar. 6.

Walther, Fletcher D., Kirkwood, Mo. Slidably adjustable birdcall. 2,544,370, Mar. 6.

Walton, Samuel F.: *See*—
Amberg, Charles R., and Walton.

Walworth, Clarence B., Jr., Rocky Hill, Conn. Shaded pole motor. 2,543,816, Mar. 6.

War, United States of America as represented by the Secretary of, assignee: *See*—
Davis, George B., Jr.

Ward, William B., Kansas City, Mo. Bulletin board. 2,544,404, Mar. 6.

Ware, Arnold G: *See*—
Seegers, Walter H., Loomis, and Ware.

Warner, Irving, Wilmington, Del. Concrete transporting body. 2,544,202, Mar. 6.

Wassem, Howard M.: *See*—
Robinson, Joseph J., Jr., and Wassem.

Wasserman, Rene D., Stamford, Conn. Coated welding rod. 2,544,000, Mar. 6.

Watkins, Clement H., deceased; M. Watkins, administratrix, assignor to M. Watkins, Venango, Pa. Lock nut tightening and conduit reaming tool. 2,544,058, Mar. 6.

Watkins, Lucius D., Milwaukee, Wis. Bracket shelf. 2,544,203, Mar. 6.

Watkins, Margaret, administratrix: *See*—
Watkins, Clement H.

Weatherly, William G., Clarkston, Wash. Endgate for vehicle mounted grain tanks. 2,544,117, Mar. 6.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble feeder. 2,544,575, Mar. 6.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble feeder. 2,544,576, Mar. 6.

Weber, Max E., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-threading mechanism for sewing machines. 2,544,577, Mar. 6.

Weems, Prue E., Smyrna, Ga. Hand held scrubboard. 2,544,406, Mar. 6.

Weikart, John, Elizabeth, N. J., assignor to Standard Oil Development Company. Cracking and coking heavy hydrocarbons. 2,543,884, Mar. 6.

Weil, Leopold, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Photochemical oxidation of nicotine. 2,543,817, Mar. 6.

Weller, John E., Austin, Tex. Formation tester. 2,544,623, Mar. 6.

Weir, Gordon E., Lakewood, Ohio. Vacuum cleaner housing unit. 2,544,405, Mar. 6.

Welser, Sidney, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Microscope with frictional vernier drive. 2,544,371, Mar. 6.

Welex Jet Services, Inc., assignee: *See*—
Thompson, Willis H., Tolson, and McLemore.

Went, Burton H., Portland, Oreg. Coin box. 2,544,118, Mar. 6.

Werner, Willy W., Detroit, Mich. Door check and closer. 2,544,372, Mar. 6.

West, Harold E. W., Allestree, assignor to Rolls-Royce Limited, Derby, England. Spark type ignition system for combustion engines. 2,544,477, Mar. 6.

West, William, Montreal, assignor to Donahue Corporation of Canada Ltd., St. Hyacinthe, Quebec, Canada. Stiff narrow fabric. 2,544,373, Mar. 6.

Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,544,407, Mar. 6.

Western Electric Company, Incorporated, assignee: *See*—
Earle, Norman E., and Robinson.
Nystrom, Axel C.

Westinghouse Electric Corporation, assignee: *See*—
Berger, Ferdinand P.
Christensen, Willard L.

Wetherill Engineering Company, assignee: *See*—
Kalina, Martin H.

Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Making batteries. 2,544,517, Mar. 6.

Whitcomb, Forrest R., Worcester, Mass. Work holder. 2,544,625, Mar. 6.

White Manufacturing Company, assignee: *See*—
Thorp, Leroy M., and Nelson.

White Sewing Machine Corporation, assignee: *See*—
Hohmann, Richard K.

Whitfield, Harold R., and A. Harrison, assignors to Henry Hughes & Son Limited, Barkingside, England. Radar responder beacon. 2,544,204, Mar. 6.

Whitney, Lyman F., Boston, W. E. Whitney, Belmont, and D. F. Comstock, Lincoln, Mass., assignors, by mesne assignments, to Stator Company. Hot-water system. 2,544,408, Mar. 6.

Whitney, William E.: *See*—
Whitney, Lyman F. and W. E., and Comstock.

Whittaker, James L., Princeton, N. J., assignor to Radio Corporation of America. Three-dimensional oscillograph system. 2,544,624, Mar. 6.

Whizzer Motor Company, assignee: *See*—
Schuricht, Henry A.

Wickwire, Bertram N., Pelham Manor, N. Y. Flashlight. 2,544,059, Mar. 6.

Wiedman, Edward L., Tonawanda, N. Y. Spring caster. 2,543,948, Mar. 6.

Wilcox, Albert C., Chicago, Ill. Vibrating drink mixer. 2,543,818, Mar. 6.

Willard, Robert P.: *See*—
Sinclair, James A., and Willard.

William Cotton Limited, assignee: *See*—
Start, Harry W. and Ernest.

Williams, John E., Atlantic City, N. J. Push-pull differential electronic amplifier. 2,543,819, Mar. 6.

Williams, Rollin H., assignee: *See*—
Shankweiler, Hiram E.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Hardness tester. 2,544,205, Mar. 6.

Willys-Overland Motors, Inc., assignee: *See*—
Roos, Delmar G.

Wilson, Caliste V., North Hollywood, Calif. Cabinet type folding crib construction. 2,544,207, Mar. 6.

Wilson, Charles C., Saginaw, Mich. Smoking pipe. 2,544,206, Mar. 6.

Wilson, Chester E., San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Water-soluble petroleum sulfonates. 2,543,885, Mar. 6.

Winkler, Orville R., Fort Worth, Tex. Self-feeding device for livestock. 2,544,578, Mar. 6.

Wintercorn, Andrew F., assignor to Rockford Sash Holder, Inc., Rockford, Ill. Window sash holder. 2,544,518, Mar. 6.

Wolcott, Glenn W., assignor to United Aircraft Products, Inc., Dayton, Ohio. Forming valve closures. 2,544,209, Mar. 6.

Wolf, Ezekiel, assignee: *See*—
Di Giannantonio, Edmond P.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Hose for dispensing pumps. 2,544,119, Mar. 6.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Hose for dispensing pumps. 2,544,120, Mar. 6.

Wolfe, H. Hix, and H. E. Butler, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Hose coiling device. 2,544,121, Mar. 6.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Pin retaining means. 2,544,288, Mar. 6.

Wolnak, Bernard: *See*—
Miner, Carl S., Jr., and Wolnak.

Wood Conversion Company, assignee: *See*—
Duvall, Thure C.
Heritage, Clark C.
Smith, Judson P.

Wood, Edward L.: *See*—
Kern, Arthur E., and Wood.

Wood, Joseph D., Upper Darby, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Time delay circuit breaker. 2,544,519, Mar. 6.

Woods, John E. Cobasset, assignor to Standard-Thomson Corporation, Boston, Mass. Thermostatic control device. 2,544,208, Mar. 6.

Wootten, George B., Sudbury, Ontario, Canada. Ophthalmic lens. 2,543,949, Mar. 6.

Worthington Pump and Machinery Corporation, assignee: *See*—
Von Saspe, Henry C.

Wotring, Gaylord H., Fairfield, Conn., assignor to General Electric Company. Dishwashing apparatus impeller. 2,544,374, Mar. 6.

Wright Aeronautical Corporation, assignee: *See*—
Bertelsen, Svend I.
Bogdanoff, John L.
Mahnken, Walter W., and Zecca.
Palen, Peter H., and Burdett.
Porter, Francis W.

Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Shock absorber. 2,544,548, Mar. 6.

Yardeny, Michel N., and A. Razdowitz, New York, N. Y., said Razdowitz assignor to said Yardeny. Coarse-fine electric motor control system. 2,543,950, Mar. 6.

Yedlicka, Joseph C., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Handling and payoff apparatus for coiled strand material. 2,544,478, Mar. 6.

Yonash, Robert F., Dallas, Tex. Automatic radio program selector system. 2,544,409, Mar. 6.

Young, George E., assignee: *See*—
Kirk, James A.

Young, Louis H., Auburndale, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine and blade combination. 2,544,410, Mar. 6.

Zak, Albert: *See*—
Chodacki, Joseph, and Zak.

Zecca, Robert: *See*—
Mahnken, Walter W., and Zecca.

Zemberry, William L.: *See*—
Gibson, Walter T., and Zemberry.

Zengel, Joseph A., Seattle, Wash. Finger nail trimmer using safety razor blades in a notched blade holder. 2,544,479, Mar. 6.

Zenke, Herbert J., Oswego, N. Y., and E. E. Arnold, Chicago, Ill., assignors to St. Regis Paper Company, New York, N. Y. Apparatus for measuring, weighing, and loading loose materials into containers. 2,544,210, Mar. 6.

Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Cleaning of metallic surfaces. 2,544,001, Mar. 6.

Zimmermann, Willy E., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Closure applying machine. 2,544,626, Mar. 6.

LIST OF DESIGN INVENTIONS

Air conditioning unit, Self-contained. L. Guid. 162,297, Mar. 6.
Airplane. E. M. Lanier. 162,321, Mar. 6.
Badge. R. C. Murray. 162,334, Mar. 6.
Bar, Sacroiliac. J. A. O'Gatty. 162,337, Mar. 6.
Barrette or similar article. E. M. Walls. 162,363, Mar. 6.
Blade magazine. B. Bowen and J. Wark. 162,283, Mar. 6.
Board, Electric control panel. E. T. Platz, W. Roberston, and L. W. Higgins. 162,340–2, Mar. 6.
Bootclip or similar article. G. F. and M. C. Oest. 162,336, Mar. 6.
Box, Jewelry. M. Weill. 162,364, Mar. 6.
Buckle. S. E. Kelman. 162,313, Mar. 6.
Calendar, Perpetual. C. B. Woofter. 162,367, Mar. 6.
Cap and latch for screen holders. H. Bernzott and C. Talbo. 162,281, Mar. 6.
Card or the like, Greeting. E. J. Jones. 162,304–8, Mar. 6.
Case end for screens. R. Gardner. 162,295, Mar. 6.
Chute for a slicing machine, Vegetable. C. Klingens and J. L. Foster. 162,314, Mar. 6.
Clock. I. W. Spier. 162,358, Mar. 6.
Clock, Alarm. F. Lux. 162,326, Mar. 6.
Clockcase. B. Lerman. 162,322, Mar. 6.
Comb. L. Mitchell. 162,332, Mar. 6.
Comb or similar article. M. Rosedale. 162,346, Mar. 6.
Container and lighter, Combination desk cigarette. C. B. Woofter. 162,368, Mar. 6.
Container for slips or the like. R. B. Senderowitz. 162,348, Mar. 6.
Cup or similar article. R. C. Diebenkorn. 162,289, Mar. 6.
Dolly. E. Karfiol. 162,310–11, Mar. 6.
Dolly or similar article. K. C. Hamilton. 162,298, Mar. 6.
Fabric or similar article, Textile. R. J. Hibbard. 162,301, Mar. 6.
Fabric or the like for grills of radios. J. A. MacIntyre. 162,327, Mar. 6.
Fabric or the like, Narrow embroidered. B. Friedman. 162,294, Mar. 6.
Figurine. M. Kramer. 162,317, Mar. 6.
Fixture and housing for door opening and closing mechanism, Combination electric lamp. G. H. Hansen, Jr. 162,300, Mar. 6.
Fixture, Fluorescent lighting. G. Ainsworth. 162,278, Mar. 6.
Fixture, Fluorescent lighting. C. X. Meyer. 162,300, Mar. 6.
Fixture, Ozone-lamp. R. B. Roney. 162,345, Mar. 6.
Float or similar article, Child's. W. F. Moore. 162,333, Mar. 6.
Frame, Crochet. K. L. Cox. 162,287, Mar. 6.
Grille or the like, Door. J. E. Lindstrom. 162,324, Mar. 6.
Handle, Combination flashlight and fishing pole. P. C. La Falce. 162,319, Mar. 6.
Head bar and installation brackets assembly, Combined Venetian blind. H. K. Lorentzen. 162,325, Mar. 6.
Holder for billiard table or the like, Combination corner and chalk. G. J. Kolivera. 162,316, Mar. 6.
Holder, Optical filter. S. Phillips. 162,339, Mar. 6.
Jig saw. H. A. and R. H. Andresen. 162,279, Mar. 6.
Knocker, Door. S. L. Raina. 162,344, Mar. 6.
Lamp, Electric. V. H. Kammer. 162,309, Mar. 6.
Light, Keyhole. R. D. Lightfoot. 162,323, Mar. 6.
Lighter, Cigar. J. Kohn. 162,315, Mar. 6.
Mat or similar article, Place. K. C. Hamilton. 162,299, Mar. 6.
Pan, Baking. J. Sobel. 162,357, Mar. 6.
Pin, Guard. E. C. Manchester. 162,328–9, Mar. 6.
Pot, Flower. B. J. Lake. 162,320, Mar. 6.
Press, Printing. V. Schreckengost. 162,347, Mar. 6.
Proof machine. G. H. Kress. 162,318, Mar. 6.
Puppet or similar article. M. M. Osgood. 162,338, Mar. 6.
Range, Kitchen. E. G. Neto. 162,335, Mar. 6.
Receptacle, Hinged cover molded plastic display. S. Braun and M. Crystal. 162,284, Mar. 6.
Receptacle, Toothbrush. R. R. Boulter. 162,282, Mar. 6.
Recorder and reproducer, Combination magnetic. C. B. Stevens. 162,359–60, Mar. 6.
Restaurants or the like, Roadside. P. Wrablica, Jr. 162,369, Mar. 6.
Sharpener, Razor blade. R. Smith. 162,356, Mar. 6.
Sheet of wrapping paper or the like. J. E. Donaldson. 162,290, Mar. 6.
Sheet or similar article, Artificial leather. J. Barash. 162,280, Mar. 6.
Shield, Safety Automobile headlight lens. E. L. Wood. 162,366, Mar. 6.
Sign or similar article. K. F. Smith. 162,354–5, Mar. 6.
Slingshot. M. G. Miller and T. W. Nichols. 162,331, Mar. 6.
Spray device, Pressure. T. T. Graham. 162,296, Mar. 6.
Stand, Display. A. D. Duncan. 162,291, Mar. 6.
Stand, Match book display. J. Shapiro. 162,349, Mar. 6.
Stocking. L. J. Accardi. 162,277, Mar. 6.
Stocking. H. A. Florsheim. 162,293, Mar. 6.
Stocking. I. Rabinovitz. 162,343, Mar. 6.
Stocking. S. Sigel. 162,350–2, Mar. 6.
Stocking. W. Tait. 162,362, Mar. 6.
Stocking, Lady's. J. T. Welch. 162,365, Mar. 6.
Television receiver. W. H. Clingman. 162,286, Mar. 6.
Tool, Combination grinding and surfacing. A. O. Hughes. 162,303, Mar. 6.
Toy animal figure or similar article, Infant's. N. V. Simmons. 162,353, Mar. 6.
Toy clock bank with transparent container base. J. C. Crosetti. 162,288, Mar. 6.
Tray. J. Cauffiel. 162,285, Mar. 6.
Tumbler or similar article. W. R. Horne. 162,302, Mar. 6.
Vacuum cleaner, Portable. C. Karstadt. 162,312, Mar. 6.
Valance, Window. G. E. Eckert. 162,292, Mar. 6.
Valance, Window. C. B. Stevens. 162,361, Mar. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adding magnesium to cast iron. J. F. Jordan. 2,543,853, Mar. 6.
Adhesive. P. V. Palmquist and D. J. Douglas. 2,543,799, Mar. 6.
Adhesive composition for metal foil to paper laminating. C. R. Erikson. 2,544,146, Mar. 6.
Adhesive of water remoistenable type from lignin sulfonic acid and polyvinyl alcohol and process involved in its preparation and use. D. S. Bruce and H. L. Heise. 2,544,585, Mar. 6.
Adjustable block gauge. I. Tornansky. 2,544,192, Mar. 6.
Agitation of pulps and the like. E. D. Davis and J. E. Germain. 2,544,301, Mar. 6.
Aid for carrying out multiplication. C. Lipkin. 2,544,389, Mar. 6.
Air conditioning apparatus. E. Feinberg. 2,544,592, Mar. 6.
Air control for sanding machines. J. J. Robinson, Jr., and H. M. Wasseem. 2,543,988, Mar. 6.
Aircraft radio cooling. P. S. Rogers, W. O. Emmons, J. W. Godfrey, and J. M. Kelso. 2,544,183, Mar. 6.
Air distributing duct. V. E. Matulaitis. 2,544,465, Mar. 6.
Air inlet opening arrangement for combustion chambers. F. P. Berger. 2,543,755, Mar. 6.
Air lock work clamp. C. L. Sands. 2,544,356, Mar. 6.
Air or gas relief valve. J. D. E. Venning. 2,544,476, Mar. 6.
Album. J. K. Rose. 2,544,566, Mar. 6.
Alcohol process. F. M. Archibald and H. O. Mottern. 2,543,820, Mar. 6.
Alkaline earth sulfide phosphorescent pigments. D. W. Lyon. 2,544,507, Mar. 6.
Alkaloid manufacture. M. M. Baizer. 2,544,291, Mar. 6.
Alloy especially adapted for use at high temperatures, Metal. F. B. Foley. 2,543,841, Mar. 6.
Alpha-ammomethyl, alpha-amino aralliphatic acids. G. Ehrhart. 2,543,837, Mar. 6.
Alumina from slags or sinters prepared from lime and alumina-bearing materials, Producing. A. M. Hollum, W. A. James, and W. A. Semple. 2,544,231, Mar. 6.
Amplifier for controlling heating apparatus, Thermocouple auxiliary. A. S. Kyle. 2,544,031, Mar. 6.
Amplifier, Push-pull differential electronic. J. E. Williams. 2,543,819, Mar. 6.
Amplifier, Volume controlling. D. E. Maxwell. 2,544,340, Mar. 6.
Amplitude limiter. E. W. Herold. 2,544,226, Mar. 6.
Anchoring device for checkrow wires. J. C. Engebretson. 2,544,260, Mar. 6.
Animal trap. E. Brust. 2,544,295, Mar. 6.
Animal trap. F. Ellwein. 2,544,145, Mar. 6.
Animal trap. A. E. Kern and E. L. Wood. 2,544,026, Mar. 6.
Ant trap. L. Magnesi. 2,544,234, Mar. 6.
Aperture four-member photographic objective, Large. F. Kupka. 2,543,856, Mar. 6.
Apparatus and method for plating strips. F. A. Prahl. 2,544,510, Mar. 6.
Apparatus and method for producing gusseted plastic tubing. C. G. Reber and S. Dalsell, III. 2,544,044, Mar. 6.
Apparatus and process for distillation of HCN. A. G. Houpt and L. J. Christmann. 2,543,971, Mar. 6.
Apparatus for charging and discharging concrete materials. L. G. Hilkemeier and R. M. Hawkins. 2,544,084, Mar. 6.
Apparatus for charging and discharging concrete materials. L. G. Hilkemeier. 2,544,085, Mar. 6.
Apparatus for charging and discharging concrete mixers. R. M. Hawkins. 2,544,083, Mar. 6.
Apparatus for cooling granular solids. E. C. Greisen. 2,543,776, Mar. 6.
Apparatus for covering a metallic core with a cast layer of another metal. J. L. Reynolds. 2,543,936, Mar. 6.
Apparatus for cutting material. F. S. Sternad and A. G. Seifried. 2,544,241, Mar. 6.
Apparatus for feeding material at a predetermined rate. R. J. Harkenrider. 2,544,155, Mar. 6.
Apparatus for fitting lens into frames, Electrically heated. J. D. Tasker. 2,544,514, Mar. 6.
Apparatus for gas separation by adsorption. C. H. O. Berg. 2,544,214, Mar. 6.
Apparatus for making optical devices. F. C. P. Henroteau. 2,543,778, Mar. 6.
Apparatus for measuring distances within bores. J. E. Miller. 2,544,100, Mar. 6.
Apparatus for measuring, weighing, and loading loose materials into containers. H. J. Zenke and E. E. Arnold. 2,544,210, Mar. 6.
Apparatus for producing shaped sections. W. R. Dodds. 2,544,447, Mar. 6.
Apparatus for pulverization and dispersion of materials. T. Robinson. 2,544,047, Mar. 6.
Apparatus for sterilizing containers. C. B. Cook. 2,544,007, Mar. 6.
Apparatus for timing the interval between impulses. T. G. Barnes. 2,544,482, Mar. 6.
Arbor, Motor. M. P. Laughlin. 2,544,096, Mar. 6.
Article carrier. E. L. Arneson. 2,543,821, Mar. 6.
Artificial leg. G. Guzey. 2,543,908, Mar. 6.
Atomizer, Perfume. A. J. Bruneau. 2,543,829, Mar. 6.
Attachment for automobile tops, Rain-drain. O. J. Blanchet. 2,544,580, Mar. 6.
Attachment for drills, Saw. A. M. Leitzel. 2,544,461, Mar. 6.
Attachment for floor sanders or the like. F. C. Cooke. 2,544,377, Mar. 6.
Attachment for sweeper nozzles, Cleaning. S. F. Crabb. 2,544,489, Mar. 6.
Attachment for tractors, Two-way plow. J. G. Lindeman. 2,543,786, Mar. 6.
Attachment for use on French type telephones, Hearing aid. R. E. King. 2,544,027, Mar. 6.
Attachment for vehicle ventilator windows, Screen. H. H. Baggs. 2,544,003, Mar. 6.
Automatic and manually operated clutch. C. H. Richards. 2,544,107, Mar. 6.
Automatic gate. C. C. Chandler. 2,543,893, Mar. 6.
Automatic press. E. Cannon and J. N. Heater. 2,543,759, Mar. 6.
Automatic sole laying press. I. Galper. 2,543,771, Mar. 6.
Automobile jack. W. G. Ernst and R. M. Newlin. 2,543,904, Mar. 6.
Automobile lift. F. S. Pearne. 2,544,039, Mar. 6.
Axle stub-removing tool. W. F. Dritley. 2,544,142, Mar. 6.
Axle with wheel-type planetary drive. V. L. Snow and W. F. Double. 2,543,811, Mar. 6.
Azo dyestuffs, Chromable. A. Conzetti and G. Schetty. 2,544,068, Mar. 6.
Bag: *See*—
Fungicidally treated multiwall bag.
Bait box. C. D. Sawner. 2,544,049, Mar. 6.
Ball joint. J. H. Booth. 2,544,583–4, Mar. 6.
Bandage, Adhesive. H. J. Heldmann. 2,544,315, Mar. 6.
Barrel extension and coupling device for attachment to gun barrels. G. B. Davis, Jr. 2,543,766, Mar. 6.
Base-catalyzed vapor-phase production of ethers from alcohols and olefins. R. J. Moore and G. J. O'Donnell. 2,544,392, Mar. 6.
Basket framework lining and blank therefor. W. Ernst and F. E. Bonner. 2,544,075, Mar. 6.
Bathing implement. F. A. Brackmann. 2,544,216, Mar. 6.
Batteries, Making. G. Wheat. 2,544,517, Mar. 6.
Battery, Leakproof. M. Wagner. 2,544,115, Mar. 6.
Battery plate and making, Sintered. F. A. Schneider. 2,544,112, Mar. 6.
Beacon, Radar responder. H. R. Whitfield and A. Harrison. 2,544,204, Mar. 6.
Bearing: *See*—
Knife-edge bearing. Shaft bearing.
Meter bearing.
Bearing assembly for steering linkage and the like. J. H. Booth. 2,544,582, Mar. 6.
Bearing for Venetian blind head bars, Pulley. M. Bird. 2,544,005, Mar. 6.
Bedframe and the like, Expansible. W. A. Moeller. 2,544,274, Mar. 6.
Beehive. H. Albrecht. 2,543,750, Mar. 6.
Belt, Cooling. I. Goldmerstein. 2,544,381, Mar. 6.
Belt, Tape. W. J. Elvin and G. L. McLuckie. 2,543,903, Mar. 6.
Bicycle lock. L. M. Dyson and J. G. Root. 2,544,590, Mar. 6.
Binder, Multiple catalogue. C. J. Panfil, Sr. 2,543,865, Mar. 6.
Binder, Removable loose-leaf. C. J. Panfil, Sr. 2,543,866, Mar. 6.
Birdcall, Slidably adjustable. F. D. Walther. 2,544,370, Mar. 6.
Bit for core drills, Plug insert. H. J. Mader. 2,543,861, Mar. 6.

Blower, Portable. H. E. Clark. 2,543,833, Mar. 6.
Blowtorch. S. C. Brody. 2,544,217, Mar. 6.
Board: *See*—
Bulletin board. Production control board.
Boiler: *See*—
Steam boiler.
Bonding metal printing plates to wooden supports. J. F. Manning and M. Seymour. 2,544,169, Mar. 6.
Bone graft apparatus. H. E. Hipps and E. J. Kupjack. 2,543,780, Mar. 6.
Book, Reversible. J. H. Shepherd. 2,544,568, Mar. 6.
Boring and drilling apparatus. H. E. Shankweiler. 2,544,617, Mar. 6.
Bottle cap. W. P. Cady. 2,544,586, Mar. 6.
Bottle for babies, Nursing. C. S. Matthews and L. L. Copley. 2,544,464, Mar. 6.
Bow shuttle. D. B. Lease. 2,543,914, Mar. 6.
Box: *See*—
Bait box. Electrical outlet box.
Coin box. Forming box.
Box. J. H. Oxley. 2,544,101, Mar. 6.
Box assembly and polished rod for the same, Liquid seal stuffing. F. B. Bayless and D. A. Chase. 2,544,212, Mar. 6.
Brace end. W. A. Smith. 2,544,619, Mar. 6.
Bracket: *See*—
Television antenna bracket.
Bracket for ladders, Scaffold. I. I. Thorne. 2,544,368, Mar. 6.
Bracket for supporting an inverted mason type jar containing articles to be dispensed, including a receptacle with rotary valve. F. Poskey. 2,543,934, Mar. 6.
Brake: *See*—
Internal-expanding shoe brake.
Brake attachment. B. and R. Lipnicki. 2,544,462, Mar. 6.
Brake device, Electromagnetic. P. B. Burrus and L. A. Ditmer. 2,543,830, Mar. 6.
Brake mechanism, Dual-purpose. L. S. Rither. 2,544,471, Mar. 6.
Brake with cocking engagement, Wedge type strand. S. W. Herrington. 2,544,086, Mar. 6.
Branding iron heater. H. J. Jurgens. 2,543,781, Mar. 6.
Brassière. W. F. Davenport and H. A. Smith. 2,544,300, Mar. 6.
Brassière, I. Panes. 2,543,984, Mar. 6.
Brooder, Chicken. V. C. Tankersley. 2,544,189, Mar. 6.
Bulkhead and air circulating fan assembly for refrigerator cars, Convertible. W. E. Van Dorn and P. K. Beemer. 2,544,242, Mar. 6.
Bulletin board. W. B. Ward. 2,544,404, Mar. 6.
Burner: *See*—
Vaporizing type liquid fuel burner.
Burner with mixing and igniting means, Liquid fuel. R. S. Damon and R. H. Hunter. 2,544,299, Mar. 6.
Burner with secondary air baffle, Gas. C. C. Lamar and V. C. Peterson. 2,544,603, Mar. 6.
Cable: *See*—
Nonmetallic sheathed multiconductor cable.
Cable lashing machine. J. J. Harley. 2,544,313, Mar. 6.
Calculating machine. R. E. Baldwin. 2,544,126, Mar. 6.
Calendar, Perpetual. J. Flanagan. 2,544,148, Mar. 6.
Cap: *See*—
Bottle cap.
Capacitor. J. R. Bird. 2,544,550, Mar. 6.
Car washer. C. D. Keely. 2,543,975, Mar. 6.
Carbon black pigment dispersion. O. Siemons. 2,544,363, Mar. 6.
Carbureted water gas and like gases, Manufacture of. M. Steinschlaeger. 2,544,188, Mar. 6.
Carburetor. H. Schneebeli. 2,544,111, Mar. 6.
Cargo hook. T. P. Huden. 2,544,596, Mar. 6.
Carriage and lift apparatus. S. R. Feist. 2,544,593, Mar. 6.
Carrier: *See*—
Article carrier.
Carrier for stores, Shopping. G. W. Concklin. 2,544,220, Mar. 6.
Cart, Child's. C. G. Malin. 2,544,099, Mar. 6.
Carton and method, Sealed. F. D. Bergstein. 2,543,757, Mar. 6.
Carton, Collapsible. L. H. Phillips. 2,544,565, Mar. 6.
Casing perforating gun. A. Barry. 2,543,823, Mar. 6.
Castor oil ortho silicate gels. H. F. Miller and R. G. Flowers. 2,544,342, Mar. 6.
Catalyst regeneration. S. W. Walker and A. G. Eickmeyer. 2,544,574, Mar. 6.
Catalyst regeneration process, Fluidized. H. Z. Martin. 2,543,863, Mar. 6.
Catalytic conversion of hydrocarbons. L. E. Olson. 2,544,350, Mar. 6.
Cellulose pellets, Producing. J. J. O'Neill, Jr. and E. P. Reichardt. 2,543,928, Mar. 6.
Centerless grinding without propping of work by abrading surface. W. Horberg. 2,544,318, Mar. 6.
Centrifugal clutch. J. E. Scruby. 2,543,873, Mar. 6.
Centrifugal separator. J. E. Tholl. 2,544,367, Mar. 6.
Ceramic coatings and applying. C. R. Amberg and S. F. Walton. 2,544,060, Mar. 6.
Chain structure. L. A. Blackburn. 2,544,485, Mar. 6.
Chair or stool, Collapsible. M. Raymond. 2,544,615, Mar. 6.
Checking and grooving machine, Road surface. F. O. Heltzel. 2,543,966, Mar. 6.
Chopper, Cotton. E. M. McCann. 2,544,036, Mar. 6.
Christmas tree stand. D. L. Daily. 2,543,896, Mar. 6.
Chuck, Automatic drill. R. B. De Remer. 2,543,958, Mar. 6.
Chuck, Parallelometer. J. A. Lentz. 2,544,097, Mar. 6.
Cigarette container. G. Johnson. 2,544,501, Mar. 6.
Cinematography. J. R. Clark, Jr. 2,544,257, Mar. 6.
Circuit: *See*—
Coin controlled electric circuit. Electromagnetic chuck control circuit.
Circuit breaker, Time delay. J. D. Wood. 2,544,519, Mar. 6.
Circuit with feedback, Audio amplifier. C. R. Miner. 2,544,344, Mar. 6.
Circuits, Electrical. V. C. Westcott. 2,544,407, Mar. 6.
Circuits for rectifiers, Misfire indication. A. H. Mittag. 2,544,345, Mar. 6.
Circuits, Magnetron power supply. W. C. Brown and J. E. Stacy. 2,543,887, Mar. 6.
Circuits, Pulse permutating electrical. P. F. M. Gloess and L. J. Libois. 2,543,907, Mar. 6.
Circuits, Radio amplifier. I. H. Page. 2,543,797, Mar. 6.
Circuits, Variable ultra high frequency. W. L. Carlson and R. L. Harvey. 2,543,891, Mar. 6.
Clamp: *See*—
Air lock work clamp. Trigger release toggle clamp.
Portable and adjustable bench clamp.
Clamp for circumcising, Surgical. H. M. Kanner. 2,544,459, Mar. 6.
Clasp. W. Evans. 2,544,147, Mar. 6.
Cleaner: *See*—
File cleaner. Tongue cleaner.
Cleaner for hand rakes. R. C. Steapleton. 2,544,436, Mar. 6.
Cleaner of the plunger type, Rubber conduit. E. R. Bailey. 2,544,290, Mar. 6.
Cleaning of metallic surfaces. R. O. Zerbe. 2,544,001, Mar. 6.
Clipper attachment. H. O. Scott. 2,544,052, Mar. 6.
Clock mechanism, Calendar. J. E. Ostline. 2,543,983, Mar. 6.
Closure applying machine. W. E. Zimmermann. 2,544,626, Mar. 6.
Closure cap for the outlet opening in a container neck, frictionally biased in closed position, Pivoted. E. Grunwald and F. S. Ruben. 2,544,382, Mar. 6.
Closure comprising spring actuated hinged doorn with knife edges, Self-sealing. J. C. Fesen and M. Goldstein. 2,543,770, Mar. 6.
Closure fastening means, Ball type. R. W. Lemm. 2,543,977, Mar. 6.
Closure for containers. R. R. Barrington. 2,543,822, Mar. 6.
Closure for hollow propeller blade tips. L. H. Enos. 2,544,350, Mar. 6.
Closure for the neck of a bottle, having a valve operable by flexure of a wall of said closure, Resilient. V. Henricson. 2,543,850, Mar. 6.
Closure top for servers or pitchers, Dispensing. R. Bernhardt. 2,544,062, Mar. 6.
Clutch: *See*—
Automatic and manually operated clutch. Centrifugal clutch.
Clutch and brake mechanism. M. L. Schmidt. 2,544,360, Mar. 6.
Coated welding rod. R. D. Wasserman. 2,544,000, Mar. 6.
Coating composition. P. E. Marling. 2,544,391, Mar. 6.
Coating device for engraved cylinders. L. B. Corbett. 2,543,895, Mar. 6.
Cockpit enclosure for aircraft, Sliding. L. F. Santucci and J. S. Showalter. 2,544,397, Mar. 6.
Coil, High-frequency iron-cored. E. A. van Yzeren. 2,544,195, Mar. 6.
Coil system, High-frequency. F. H. Gusdorf and C. Veenis. 2,544,152, Mar. 6.
Coiling device, Hose. H. H. Wolfe and H. E. Butler. 2,544,121, Mar. 6.
Coils, High-frequency strap-wound. W. F. Sands. 2,543,940, Mar. 6.
Coin box. B. H. Went. 2,544,118, Mar. 6.
Coin controlled electric circuit. G. Ripley, III. 2,543,938, Mar. 6.
Collet chuck. L. A. Leifer. 2,543,857, Mar. 6.
Color altimetry. W. A. Ayres. 2,543,753, Mar. 6.
Color analyzer, Photoelectric. L. E. Varden. 2,544,196, Mar. 6.
Colostomy protector. F. J. Ardner. 2,544,579, Mar. 6.
Combustion chamber in rotating annular casing. R. H. Goddard. 2,544,420, Mar. 6.
Combustion chamber with wide-angle discharge for use in propulsion apparatus. R. H. Goddard. 2,544,419, Mar. 6.
Combustion gas turbine plant. H. Pfenninger. 2,544,235, Mar. 6.
Communication system, Two-way. L. Prahm. 2,543,986, Mar. 6.

Component resolver for mapping apparatus. R. T. Cloud. 2,544,587, Mar. 6.
Compression by-pass and wrench device. M. E. Barber. 2,543,954, Mar. 6.
Compression valve. F. Hinrichs. 2,544,161, Mar. 6.
Compressor, Radial air. W. T. Mixsell. 2,543,923, Mar. 6.
Computer for aviation trainers and the like. H. F. Schaefer, Jr. 2,543,872, Mar. 6.
Concrete blocks, Process and apparatus for making. B. W. Chittenden. 2,544,488, Mar. 6.
Concrete form. J. H. Rosenblatt. 2,544,110, Mar. 6.
Concrete transporting body. I. Warner. 2,544,202, Mar. 6.
Condensation of polyhydric phenols and polyhydric alcohols. E. S. Blake. 2,544,292, Mar. 6.
Connecting member with forked ends. F. Schaefer. 2,544,398, Mar. 6.
Connector. L. A. Blackburn. 2,544,484, Mar. 6.
Connector block with strain relief. H. H. Miller. 2,544,343, Mar. 6.
Container: *See*—
Cigarette container. Re-usable container.
Money storage container.
Container. W. W. Faris. 2,543,839, Mar. 6.
Container closure. H. Z. Gora. 2,543,774–5, Mar. 6.
Container-handling machine for pouring from one container into another. T. L. Buss. 2,543,956, Mar. 6.
Container with a plug valve and wick feed, Wax. P. S. and T. S. Vosbikian. 2,544,198, Mar. 6.
Control for pneumatic packing systems. T. C. Duvall. 2,544,011, Mar. 6.
Control mechanism for calculating machines, Visible setting. C. Herstark. 2,544,426, Mar. 6.
Control mechanism for gas storage tanks, Automatic. R. H. Goddard. 2,544,421, Mar. 6.
Controlling the temperature of hot gases. R. J. Ifield and O. N. Lawrence. 2,544,427, Mar. 6.
Conveyer for manure disposal systems. G. Tomfohrde. 2,544,101, Mar. 6.
Cooling means for a combustion chamber and nozzle in which solid fuel is burned. R. H. Goddard. 2,544,422, Mar. 6.
Cooling of spray-dried soap products. W. Sartorius. 2,544,616, Mar. 6.
Corn, Preparing. W. J. Fitzpatrick. 2,544,380, Mar. 6.
Counting device for can testing machines. W. W. Maher and K. Boflinger. 2,543,790, Mar. 6.
Coupling: *See*—
Reversible rotary hydraulic coupling. Shaft coupling.
Coupling and clutch, Fluid. J. B. Black. 2,544,551, Mar. 6.
Coupling loop. S. Sensiper. 2,543,809, Mar. 6.
Coupling unit, Plural-frequency. E. A. Jensen. 2,543,973, Mar. 6.
Cover: *See*—
Diaper cover. Wheel cover.
Cover for papermaking machines, Suction box. D. R. Robbins. 2,543,870, Mar. 6.
Cowling for fans or the like, Adjustable. M. B. Curley. 2,544,490, Mar. 6.
Cracking and coking heavy hydrocarbons. J. Weikart. 2,543,884, Mar. 6.
Crib attachment. J. S. Judy. 2,544,428, Mar. 6.
Crib construction, Cabinet type folding. C. V. Wilson. 2,544,207, Mar. 6.
Cup dispenser. S. O. Morrison. 2,543,746, Mar. 6.
Curl setting device. N. L. Solomon, W. F. Feyrer, and A. E. Anderson. 2,544,364, Mar. 6.
Curtain and drapery hanger. M. L. Paradise. 2,544,177, Mar. 6.
Cushioning device for telephone receivers. W. J. Konvalinka. 2,544,267, Mar. 6.
Cyanine dyes. J. J. Jennen and W. Michaelis. 2,544,323, Mar. 6.
Dampener, Filter and pulsation. J. L. Andrews. 2,544,289, Mar. 6.
Demountable leg. C. B. Keys. 2,544,504, Mar. 6.
Dental floss holder. R. A. Ness. 2,544,276, Mar. 6.
Denture. E. E. Goldschmidt. 2,543,773, Mar. 6.
Deodorant compositions. L. B. Kilgore. 2,544,093, Mar. 6.
Detachable fastener. H. Pommier. 2,543,933, Mar. 6.
Detachable means for combination bed structures. T. Bua. 2,544,132, Mar. 6.
Determination of petroleum sulfonate as a demulsifying agent for water-in-oil emulsions. R. A. Salathiel. 2,543,871, Mar. 6.
Device for controlling the injection of fluids. S. S. Brown. 2,543,828, Mar. 6.
Device for mounting insulating washers on electrical conductors. M. Sabine. 2,544,280, Mar. 6.
Device for sewing machines. H. N. Henriksen. 2,544,425, Mar. 6.
Diallyl ether dichlorohydrins. O. C. W. Allenby. 2,543,952, Mar. 6.
Diallyl ether dichlorohydrins, Preparation of. G. H. Segall. 2,543,992, Mar. 6.
Diaper. W. L. Avery. 2,544,002, Mar. 6.
Diaper cover. M. E. Steinert. 2,544,620, Mar. 6.
Dialkyl carbinyl esters of dialkylamino alkanoates and the production thereof. J. W. Cusic. 2,543,764, Mar. 6.
Diborane, Preparation of. H. I. Schlesinger and H. C. Brown. 2,544,472, Mar. 6.
Dicychobexylammonium nitrite, Preparing. A. Wachter and N. Stillman. 2,544,245, Mar. 6.
Die and making it, Heading. H. B. Duncan. 2,544,302, Mar. 6.
Diethylenetrimelamine and preparing the same. J. R. Dudley. 2,544,071, Mar. 6.
Directional indicator. P. M. Erlandson. 2,543,769, Mar. 6.
Dish holder. N. Sharaf. 2,544,053, Mar. 6.
Dishwashing apparatus impeller. G. H. Wotring. 2,544,374, Mar. 6.
Dishwashing machine. J. Stanitz and L. Schlobohm. 2,543,993, Mar. 6.
Dispenser: *See*—
Cup dispenser. Liquid dispenser.
Hairpin dispenser.
Display device, Oscillating. F. A. Quick. 2,544,105, Mar. 6.
Distributor, Electronic. E. R. Shenk. 2,543,874, Mar. 6.
Distributor, Fluid. D. W. Turner. 2,543,996, Mar. 6.
Doll joint. I. Cohn. 2,544,135, Mar. 6.
Door and gate operating mechanism. P. C. Boothe. 2,544,215, Mar. 6.
Door check and closer. W. W. Werner. 2,544,372, Mar. 6.
Door check and holding device. A. R. de Vito. 2,544,528, Mar. 6.
Door closer. M. Carlson. 2,544,252, Mar. 6.
Door closer mechanism. M. Carlson and O. D. Michaelsen. 2,544,253, Mar. 6.
Door operating device, Garage. C. T. Schirmer. 2,544,239, Mar. 6.
Door operator, Automatic. D. C. MacMillan. 2,543,789, Mar. 6.
Drain for tar cookers, Overflow. F. S. Hall. 2,544,153, Mar. 6.
Drapery shaper. B. Walters. 2,544,516, Mar. 6.
Drill chuck. A. C. Hollis. 2,544,088, Mar. 6.
Drill guide bushing. W. B. Fisher. 2,543,840, Mar. 6.
Drilling. R. P. Vincent. 2,544,573, Mar. 6.
Drive for transmitting power, Toothed. H. H. Vanderzee. 2,544,194, Mar. 6.
Drive synchronizing system, Double motor. J. H. Long. 2,543,787, Mar. 6.
Driving means for rotating combustion chambers. R. H. Goddard. 2,544,418, Mar. 6.
Drying oils by treatment of acid-soluble oils with hydrofluoric acid, Production of. P. H. Carnell. 2,544,552, Mar. 6.
Dust collector. G. C. Polk. 2,544,395, Mar. 6.
Dustpan. C. Gabel. 2,544,014, Mar. 6.
Edge-gluing of veneer. A. C. Carlson. 2,544,133, Mar. 6.
Electric cord plug. V. Aimé. 2,543,951, Mar. 6.
Electric discharge valve. M. Ponte. 2,544,104, Mar. 6.
Electrical determination of moisture content and other properties. J. E. Fielden. 2,544,529, Mar. 6.
Electrical outlet box. F. J. Kennedy. 2,544,232, Mar. 6.
Electrical regulator. C. R. Mason. 2,544,339, Mar. 6.
Electrical resistance pressure responsive gauge. H. F. Rundell. 2,544,567, Mar. 6.
Electrolytic cell. K. E. Stuart and S. G. Osborne. 2,544,285, Mar. 6.
Electrolytic cell with mobile mercury cathode. O. de Nora. 2,544,138, Mar. 6.
Electrolytic reduction of hydroperoxides. J. C. Conner, Jr. 2,543,763, Mar. 6.
Electromagnetic chuck control circuit. H. F. Storm. 2,544,366, Mar. 6.
Electromagnetic mechanism for agitating cradles. J. Chodacki and A. Zak. 2,544,298, Mar. 6.
Element and accessory of power plants. S. Gilbert and J. R. Anderson. 2,544,151, Mar. 6.
Elevator and conveyer for pulverulent material, Pneumatic. R. Jackson. 2,544,534, Mar. 6.
Enameling aluminum-rich alloys. A. J. Deyrup and J. H. Peterson. 2,544,139, Mar. 6.
Endgate for vehicle mounted grain tanks. W. G. Weatherly. 2,544,117, Mar. 6.
Engine: *See*—
Internal-combustion engine.
Engine and auxiliary fluid power system for vehicles. M. Mallory. 2,544,606, Mar. 6.
Engine generation of synthesis gas. J. B. Malin. 2,543,791, Mar. 6.
Engine governor, Internal-combustion. T. M. Ball. 2,544,520, Mar. 6.
Engine speed control, Internal-combustion. M. Mallory. 2,544,463, Mar. 6.
Engine with means for supplying auxiliary air, Standing wave heat. A. G. Bodine, Jr. 2,543,758, Mar. 6.
Engraving machine, Pantograph. D. H. Hearle. 2,544,225, Mar. 6.
Entertainment device, Electronic musical. L. A. Meacham. 2,544,466, Mar. 6.
Ethyl cellulose and resinous composition. A. G. Asaff and W. W. Donelson. 2,544,247, Mar. 6.

Exposure apparatus for making photoprints. K. J. J. van der Grinten. 2,544,287, Mar. 6.
Fabric: *See*—
Stiff narrow fabric.
Fabricated article. D. T. Hurd. 2,544,320, Mar. 6.
Facsimile safety device. F. A. Hester and J. W. Smith. 2,543,779, Mar. 6.
Fastener: *See*—
Detachable fastener
Fastener for the floor plates of the tray of a bubble tower, Sealing. E. D. Rapisardn. 2,544,614, Mar. 6.
Feeder: *See*—
Pebble feeder. Poultry feeder.
Feeding device, Child's. A. Goldfarb. 2,544,594, Mar. 6.
Feeding mechanism for writing machines. C. R. Mabon and L. F. Hageman. 2,543,919, Mar. 6.
Felt conditioner for use in paper-making. F. W. Vickery. 2,544,572, Mar. 6.
Fender, Knee acting adjustable. D. F. McCullar. 2,543,921, Mar. 6.
Fermentation activation. C. S. Miner, Jr., and B. Wolnak. 2,544,273, Mar. 6.
Fibrinogen, Preparing. W. H. Seegers, E. C. Loomis, and A. G. Ware. 2,543,808, Mar. 6.
File cleaner. A. B. Gerhan. 2,544,310, Mar. 6.
Filling head having air locked chamber for filling liquids into containers. M. W. Loveland. 2,543,788, Mar. 6.
Filling machine, Ampoule. B. Emery and W. L. Elder. 2,544,416, Mar. 6.
Film splicing machine. B. W. Hancock and J. B. Maier. 2,544,082, Mar. 6.
Filter: *See*—
Liquid filter.
Filter. C. G. Vokes. 2,544,244, Mar. 6.
Filter for headlights, Fog. C. A. Cyr. 2,544,378, Mar. 6.
Filtering means for the stacks of smudge pots and the like. A. L. Todd. 2,544,190, Mar. 6.
Finishing rack sections, Method and apparatus for. W. S. Praeg. 2,543,985, Mar. 6.
Fire extinguisher. E. E. Cyphert. 2,544,137, Mar. 6.
Fire extinguishing system. C. A. Getz. 2,544,016, Mar. 6.
Firearm bore wiper, Deformable. P. E. Franklin. 2,544,150, Mar. 6.
Fish lure, Frog. L. L. Pfahler. 2,544,178, Mar. 6.
Fish lures, Making. C. S. and E. A. Kelly. 2,544,265, Mar. 6.
Fishing line guide. A. Ritter. 2,544,238, Mar. 6.
Flash gun, Photographic. T. Lang. 2,544,388, Mar. 6.
Flashlight. B. N. Wickwire. 2,544,059, Mar. 6.
Flight control for model airplanes. J. R. Hamilton. 2,543,965, Mar. 6.
Fluid control valve. E. Irti and A. A. O'Sickey. 2,544,597, Mar. 6.
Fluid controlled transmission. V. F. Stewart. 2,543,878, Mar. 6.
Fluid pressure control valve. S. W. Stortz. 2,544,056, Mar. 6.
Fluorination of saturated halocarbons with lead tetrafluoride. E. T. McHee and R. M. Robb. 2,544,560, Mar. 6.
Folding garment hanger. F. M. Mills. 2,544,170, Mar. 6.
Foothold and manufacture. L. H. L'Hollier. 2,544,270, Mar. 6.
Form for concrete wall construction, Collapsible. P. J. Callan. 2,544,297, Mar. 6.
Formation tester. J. E. Weller. 2,544,623, Mar. 6.
Forming an article from at least two plastics. F. J. Dofsen and E. L. Danielson. 2,544,140, Mar. 6.
Forming box. L. G. Johnson. 2,543,912, Mar. 6.
Forming film. G. F. Rackett. 2,544,258, Mar. 6.
Forming valve closures. G. W. Wolcott. 2,544,209, Mar. 6.
Frame: *See*—
Window screen frame.
Frame for Axminster looms, Tube. O. V. Payne. 2,544,434, Mar. 6.
Frame for utility baskets, Collapsible. W. Ernst and F. E. Bonner. 2,544,074, Mar. 6.
Frame squaring and nailing machine, Combined. S. P. Howey. 2,544,499, Mar. 6.
Freezer. W. D. Houston. 2,544,162, Mar. 6.
Fuel injection pump. W. E. Meyer. 2,544,561, Mar. 6.
Fungicidally treated multiwall bag. F. R. Linda. 2,543,858, Mar. 6.
Funnel, Spinning. C. Hatfield. 2,544,018, Mar. 6.
Furnace: *See*—
Kettle furnace.
Multiple tube gas heating furnace.
Furniture construction. I. Silverman. 2,543,875, Mar. 6.
Furniture, Temperature conditioned. S. Kronhaus. 2,544,506, Mar. 6.
Furoic amides of amino naphthols. H. W. Grimmel and A. F. Strobel. 2,543,745, Mar. 6.
Fuse. A. J. Schermuly. 2,544,358, Mar. 6.
Game, Deep-sea fishing. A. W. Bell. 2,544,128, Mar. 6.
Garment. C. Brown. 2,544,486, Mar. 6.
Garment hanger. R. Sklaar. 2,543,810, Mar. 6.
Garment, Maternity. P. and J. Jacobs. 2,544,386, Mar. 6.
Garment, Ventilated infant's. H. H. Cutler. 2,544,069, Mar. 6.
Gas discharge device. P. W. Stutsman. 2,544,513, Mar. 6.
Gasket for insertion between joint faces which are subject to pressure. J. B. Nicholson. 2,544,347, Mar. 6.
Gasketed joint. H. Gaffin. 2,543,963, Mar. 6.
Gate: *See*—
Automatic gate.
Gate, door, and the like, Collapsible. F. G. Coleman. 2,544,008, Mar. 6.
Gauge: *See*—
Adjustable block gauge. Liquid level gauge.
Electrical resistance pressure responsive gauge. Precision angle and internal taper gauge.
Head space gauge.
Gauge fixture, Height. C. H. Bauer. 2,544,004, Mar. 6.
Gear-shifting mechanism. D. H. Montgomery. 2,543,927, Mar. 6.
Gearing for drawing mechanisms for textile fibers, Roller. J. Noguera. 2,544,468, Mar. 6.
Generator: *See*—
Projectile-actuated surge generator. Saw-tooth current oscillation generator.
Generator regulator. W. J. Rady and L. A. Rice. 2,544,179, Mar. 6.
Glove. F. Tatar. 2,544,515, Mar. 6.
Glove testing. F. M. Isaacs. 2,543,911, Mar. 6.
Governor. J. L. Bogdanoff. 2,544,523, Mar. 6.
Governor with adjusting mechanism. R. W. Phelps and L. T. Rutledge. 2,544,352, Mar. 6.
Grinding machine, Tool. S. S. Mader. 2,544,604, Mar. 6.
Gripping and lifting device. P. A. Thelin. 2,543,947, Mar. 6.
Grounding arrangement for high-frequency transfer switches. A. Proctor. 2,543,804, Mar. 6.
Gun sighting aid. G. Hanson. 2,543,848, Mar. 6.
Hairpin dispenser. B. Steinberg. 2,544,114, Mar. 6.
Hand cultivating and weeding tool. C. N. Critcher. 2,544,136, Mar. 6.
Handling and payoff apparatus for coiled strand material. J. C. Yedlicka. 2,544,478, Mar. 6.
Hanger: *See*—
Curtain and drapery hanger. Folding garment hanger.
Garment hanger.
Hardness tester. W. A. Williams. 2,544,205, Mar. 6.
Harness release. J. H. Schneider. 2,544,399, Mar. 6.
Harvester, Comb type cotton. H. E. Altgelt. 2,544,411, Mar. 6.
Hat crown stay. T. E. Knudson. 2,543,855, Mar. 6.
Head space gauge. G. A. Henderson. 2,544,158, Mar. 6.
Heat control system, Safety. R. Pratt. 2,544,511, Mar. 6.
Heat exchange apparatus. W. A. Olsen. 2,544,349, Mar. 6.
Heater: *See*—
Branding iron heater.
Selective capacity water heater.
Heater for motor vehicles, Air. W. D. Cullen. 2,544,446, Mar. 6.
Heating and therapeutic chamber, Radiant. J. L. Reynolds. 2,543,937, Mar. 6.
Heating apparatus, Gas-fired immersion. M. J. Dewey. 2,543,833, Mar. 6.
Heating system. R. W. Qualley and A. B. Newton. 2,544,544, Mar. 6.
Heating system. J. R. Swanton, Jr. 2,544,474, Mar. 6.
Heating system for damp places, Electrical. R. S. Tice. 2,543,882, Mar. 6.
Heel stiffening plate. L. Sabo. 2,544,048, Mar. 6.
Helmet, Welding. W. R. Harrington. 2,544,457, Mar. 6.
Hermetically sealed electric switch. H. I. Keroes. 2,544,328, Mar. 6.
High-pressure apparatus. P. W. Bridgman, R. R. Ridgway, and E. van der Pyl. 2,544,414, Mar. 6.
Hoist mechanism. L. L. Eakin. 2,544,553, Mar. 6.
Holder: *See*—
Dental floss holder. Ticket holder.
Dish holder. Tree holder.
Hunting license holder. Window sash holder.
Pot lid holder. Work holder.
Staple holder.
Holder for caskets, Wreath. L. M. Thorp and E. R. Nelson. 2,543,880, Mar. 6.
Holder for sealed liquid container, with puncturing and dispensing means for said container. G. C. Schmitkons. 2,544,361, Mar. 6.
Holding fixture for articles. N. E. Earle and T. B. Robinson. 2,544,303, Mar. 6.
Hook: *See*—
Cargo hook.
Hose for dispensing pump and means for supporting a loop therein. E. E. Eickmeyer. 2,544,073, Mar. 6.
Hose for dispensing pumps. H. H. Wolfe. 2,544,119–20, Mar. 6.
Hot-water system. L. F. and W. E. Whitney, and D. F. Comstock. 2,544,408, Mar. 6.
Housing and training coop for chickens. B. J. Gass. 2,544,496, Mar. 6.
Housing for electric fans and the like. L. W. Seil. 2,544,281, Mar. 6.
Hunting license holder. G. J. Smith. 2,544,618, Mar. 6.
Hydraulic pump. R. B. Knowles. 2,544,094, Mar. 6.
Hydraulic pump. L. T. McGee. 2,543,796, Mar. 6.
Hydraulic system for operating hydraulic cylinders and pistons. H. W. Rockwell. 2,543,989, Mar. 6.
Icing unit, Master car. H. O. McLain and A. L. Biatti. 2,544,431, Mar. 6.
Ignition system for combustion engines, Spark type. H. E. W. West. 2,544,477, Mar. 6.

Ignition system for internal-combustion engines. M. Mallory. 2,544,608, Mar. 6.
Impact wrench torque control. S. B. Maurer. 2,543,979, Mar. 6.
Implement, Tooth cleaning and gum messaging. M. Raybin. 2,544,396, Mar. 6.
Incinerator, Garbage. J. C. Vincent. 2,544,369, Mar. 6.
Incinerator positioned above a hole in the earth. E. J. Bergeron. 2,543,756, Mar. 6.
Increasing the riboflavin content of liquid biologically active or nutritive materials. G. I. De Becze, H. N. Moore, and E. Schraffenberger. 2,543,897, Mar. 6.
Indicating and control device. A. Edelman. 2,544,012, Mar. 6.
Indicator: *See*—
Directional indicator.
Indicator system, Obstacle-detector. M. R. Richmond. 2,544,355, Mar. 6.
Infrared sensitive cell. A. F. Gibson. 2,544,261, Mar. 6.
Injector, Rotary fertilizer. G. H. Bunch. 2,543,888, Mar. 6.
Inking device. C. F. Seizer. 2,544,362, Mar. 6.
Inorganic sponge blowing agents. A. A. Baum. 2,544,483, Mar. 6.
Instrument, Strain measuring. W. A. Sourwine. 2,544,400, Mar. 6.
Intercommunicating system, Three-dimensional. A. M. Marks. 2,543,793, Mar. 6.
Internal-combustion engine. M. Mallory. 2,544,605, Mar. 6.
Internal-expanding shoe brake. B. E. House. 2,544,030, Mar. 6.
Inventory manifolding assembly. K. R. St. John. 2,543,944, Mar. 6.
Iron precipitator. F. J. Stover. 2,543,813, Mar. 6.
Isopropenylbiphenyl copolymers. D. T. Mowry and R. B. Seymour. 2,544,393, Mar. 6.
Jack: *See*—
Automobile jack.
Jar, Hydrostatic rotary. L. W. Smith. 2,544,473, Mar. 6.
Jet propulsion unit with rotatable combustion chamber. J. A. Melenric. 2,543,864, Mar. 6.
Joint: *See*—
Ball joint. Gasketed joint.
Doll joint.
Joint construction. D. G. Roos. 2,544,546, Mar. 6.
Kettle furnace. O. R. Olson. 2,543,982, Mar. 6.
Keyboard. A. H. Dickinson. 2,543,899, Mar. 6.
Knife-edge bearing. D. Ernst. 2,544,591, Mar. 6.
Labeling machine. C. H. Amidon and I. E. Peterson. 2,544,627, Mar. 6.
Lamp: *See*—
Miner's electric cap lamp. Retractable office lamp.
Lamp unit, Glare eliminating. L. M. Asay. 2,544,439, Mar. 6.
Land leveler. C. S. Skeem. 2,543,943, Mar. 6.
Latch. R. K. Nottingham. 2,544,611, Mar. 6.
Lathe dog and vise, Combination. L. Royer. 2,543,990, Mar. 6.
Lens, Corneal contact. G. H. Butterfield. 2,544,246, Mar. 6.
Lens, Ophthalmic. G. B. Wootten. 2,543,949, Mar. 6.
Level wind mechanism. H. Dunn. 2,544,143, Mar. 6.
Lighter, Pipe and cigarette. B. L. Paige. 2,543,798, Mar. 6.
Lighter, Pyrophoric cigar and cigarette. J. R. Bayston. 2,544,249, Mar. 6.
Lighting and control means for gas burners, Automatic. F. A. Gauger. 2,544,454, Mar. 6.
Lighting fixture, Indirect. M. Bodian. 2,544,581, Mar. 6.
Liner for hot gas chambers. W. W. Mahnken and R. Zecca. 2,544,538, Mar. 6.
Lining device for caskets and the like. C. W. Lusby. 2,544,168, Mar. 6.
Liquid dispenser. D. C. Mandero. 2,544,539, Mar. 6.
Liquid and gaseous fuels by synthesis from coal, Production of. I. Mayer and H. J. Ogorzaly. 2,543,795, Mar. 6.
Liquid filter. R. G. Tessmer. 2,544,402, Mar. 6.
Liquid level gauge. J. M. Hall. 2,544,262, Mar. 6.
Liquid pulsator system with pressure compensation. W. H. Clark. 2,544,134, Mar. 6.
Liquid-sealing means between stationary and rotated parts. R. H. Goddard. 2,544,423, Mar. 6.
Loader, Grain bin. H. C. Sturgeon. 2,544,570, Mar. 6.
Lock: *See*—
Bicycle lock.
Lock nut tightening and conduit reaming tool. C. H. Watkins. 2,544,058, Mar. 6.
Locking mechanism for handles of bladed tools. P. S. and T. S. Vosbikian. 2,544,197, Mar. 6.
Locking system, Multiple key. C. J. Finke and M. A. Guzman. 2,544,305, Mar. 6.
Loom. H. J. Craymer. 2,544,526, Mar. 6.
Low bed vehicle. L. C. Gross. 2,544,456, Mar. 6.
Lubricating oil containing a polymer of oleyl methacrylate. J. M. Butler. 2,544,376, Mar. 6.
Lubricating oil containing a polymer of tetradecyl vinyl ether. J. M. Butler. 2,544,375, Mar. 6.
Lubrication safety device. J. H. Kyle. 2,543,784, Mar. 6.
Lug protector. W. T. Gibson and W. L. Zemberry. 2,544,530, Mar. 6.
Machine for breasting Louis heels. R. H. Pettengill. 2,544,470, Mar. 6.
Machine for cementing platform soles, Automatic. W. E. Naugler. 2,544,172, Mar. 6.
Machine for dipping bags. E. W. Vredenburg. 2,544,199, Mar. 6.
Machine for filling hassocks and cushions with filling tube and releasably positioned compressor disk. A. D'Amico. 2,544,222, Mar. 6.
Machine for manufacturing pipes. A. T. Gaudin. 2,544,453, Mar. 6.
Machine for preparing seed cane. W. M. Moragne. 2,544,275, Mar. 6.
Machine for printing on duplex records. R. L. Houston. 2,543,910, Mar. 6.
Machine for slotting Venetian blind slats. J. T. Lloyd. 2,543,917, Mar. 6.
Machine for stitchdown shoes, Rough rounding. J. C. Cantley. 2,543,760, Mar. 6.
Machine for supplying air to pneumatic relooping tools. A. A. J. Schou. 2,544,051, Mar. 6.
Machine for treating textile goods with dyes and other liquids. G. S. Hellwell and J. L. Swindall. 2,544,424, Mar. 6.
Machine for trimming the finger plate on a piano key. H. D. Oslund. 2,544,175, Mar. 6.
Machinery for cutting out pieces of plastic material from a continuously moving sheet. E. M. Crosland. 2,544,527, Mar. 6.
Magazine and blade combination. L. H. Young. 2,544,410, Mar. 6.
Magnesium oxychloride cement mix and making. W. C. Eastin. 2,543,959, Mar. 6.
Magnetic retriever. M. S. Dunkelberger. 2,544,449, Mar. 6.
Making an artificial flame log assembly. P. and C. C. Munao. 2,543,981, Mar. 6.
Making and filling fluted containers, Method and machine for. R. W. Hoag. 2,544,020, Mar. 6.
Making paper containers greaseproof. R. H. McKee. 2,544,509, Mar. 6.
Making plasticizer for synthetic rubber by reacting a rubbery polymer of a diolefin with an alkyl mercaptan. J. E. Pritchard. 2,543,867, Mar. 6.
Making shielded electrical conductors. G. L. McCutchan. 2,544,430, Mar. 6.
Mandrel, Expansible. W. J. Le Count. 2,544,633, Mar. 6.
Masking of marginal edges of overlapping images of mosaic pictures. F. Waller and R. C. Babish. 2,544,116, Mar. 6.
Mat, Electrically heated floor. C. A. Vogel. 2,544,547, Mar. 6.
Measuring device, Frequency modulated radio-type distance. M. V. Kiebert, Jr. 2,543,782, Mar. 6.
Measuring device, Magnetic field. A. Frosch. 2,543,843, Mar. 6.
Measuring permeability and porosity of borehole sub strata. J. M. Bird. 2,544,412, Mar. 6.
Mechanical car washer. R. H. Chenault. 2,544,066, Mar. 6.
Melting. J. F. Jordan. 2,544,091, Mar. 6.
Metal casting mold. M. H. Kalina. 2,544,598, Mar. 6.
Meter bearing. J. Limberger. 2,544,166, Mar. 6.
Meter for truck concrete mixers, Slump. H. C. Von Saspe. 2,543,883, Mar. 6.
Microphone. A. H. Kettler. 2,544,536, Mar. 6.
Microscope with frictional vernier drive. S. Weiser. 2,544,371, Mar. 6.
Mineral oil compositions containing copolymers of olefins and esters of alpha, beta-unsaturated polybasic acids. J. J. Giammaria. 2,543,964, Mar. 6.
Miner's electric cap lamp. H. Holt, Jr. 2,544,533, Mar. 6.
Mixer: *See*—
Vibrating drink mixer.
Mixer. G. A. Rockburg. 2,544,545, Mar. 6.
Mixing device for gases. W. Föderl. 2,544,149, Mar. 6.
Mold: *See*—
Metal casting mold.
Mold for building constructions. S. Kosorotoff. 2,544,602, Mar. 6.
Molding articles having as binder vegetable-tanned leather and resulting article. A. M. Monath. 2,543,925, Mar. 6.
Molding building slabs in position. R. W. Rumble. 2,543,939, Mar. 6.
Molding for indirect lighting. A. T. Schmidt. 2,544,359, Mar. 6.
Molding form, Inner collapsible. J. H. K. Carpenter. 2,543,892, Mar. 6.
Money storage container. J. W. Atkinson. 2,543,751, Mar. 6.
Motion multiplying mechanism. W. G. Abbott, Jr. 2,544,122, Mar. 6.
Motion weighing. H. M. Roeser. 2,543,806, Mar. 6.
Motor: *See*—
Shaded pole motor.
Motor control system, Coarse-fine electric. M. N. Yardeny and A. Razdowitz. 2,543,950, Mar. 6.
Motor control system, Electric. J. A. Tanner. 2,544,286, Mar. 6.
Motor with automatic short-circuiters, Wound rotor induction. P. H. Trickey. 2,544,571, Mar. 6.

Protector: *See*—

Rod: *See*—

Mounting: *See*—
Tractor fifth wheel mounting.
Mounting and locking optical lenses in a housing. J. A. V. Benard. 2,544,250, Mar. 6.
Mounting for photoelectric cells. O. J. Holmes. 2,544,534, Mar. 6.
Mousetrap attachment. W. A. Utts. 2,544,475, Mar. 6.
Muffler with plural perforated passages. F. M. Stephens and A. Bartels. 2,544,284, Mar. 6.
Multiple flight aircraft. G. P. Herrick. 2,544,497, Mar. 6.
Multiple tube gas heating furnace. C. Keller. 2,544,600, Mar. 6.
N,N'-diaryl derivatives of perylene diimid, Preparation of. M. O. Shrader. 2,543,747, Mar. 6.
Nail driver, Power-operated. E. H. Shaff. 2,543,942, Mar. 6.
Nail trimmer using safety razor blades in a notched blade holder, Finger. J. A. Zengel. 2,544,479, Mar. 6.
Needle pulling device for hand sewing. J. A. Sinclair and R. P. Willard. 2,544,282, Mar. 6.
Needle threader. J. B. Biederman. 2,544,063, Mar. 6.
Needle-threading mechanism for sewing machines. M. E. Weber. 2,544,577, Mar. 6.
Needle with loop retaining attachment; Knitting. E. L. and S. Kadisch. 2,544,429, Mar. 6.
Net, Laundry. W. D. Ellis. 2,544,223, Mar. 6.
Neutral selecting mechanism for change-speed gear boxes. W. H. Hill. 2,543,969, Mar. 6.
Nonmetallic sheathed cable, Making. F. J. Kennedy. 2,544,503, Mar. 6.
Nonmetallic sheathed multiconductor cable. F. J. Kennedy. 2,544,233, Mar. 6.
Notice impelling device. G. Manahan. 2,543,862, Mar. 6.
Nozzle. M. J. Kunert. 2,544,556, Mar. 6.
Nozzle and attachment, Spray. J. E. Palmer. 2,544,176, Mar. 6.
Nozzle for sole cementing machines, Articulated. W. E. Naugler. 2,544,173, Mar. 6.
Nozzle, Liquid fuel burner. L. J. Goddard. 2,544,417, Mar. 6.
Nozzle, Multiple outlet. P. G. MacGregor. 2,544,558, Mar. 6.
Nozzle spray gun, Removable. J. O. Andersson. 2,544,123, Mar. 6.
Numerical counter. M. L. Nelson. 2,544,610, Mar. 6.
Nutcracker. A. C. Brookey. 2,543,886, Mar. 6.
Oil burner pump. W. F. Ellis. 2,544,144, Mar. 6.
Oil filtration system. C. C. S. Le Clair. 2,544,269, Mar. 6.
1,4-disubstituted piperazines. M. E. Hultquist and K. L. Howard. 2,543,972, Mar. 6.
1 - hydroxy - 4 - polyfluoroalkylaminoanthraquinone compounds. J. B. Dickey. 2,543,767, Mar. 6.
1-(p-tolylthio)-3-trimethylsilylpropane. C. A. Burkhard. 2,544,296, Mar. 6.
Opener and dispenser, Can. E. Kower. 2,544,095, Mar. 6.
Opener and holder, Bobby pin. L. Haase. 2,544,595, Mar. 6.
Operating control elements, such as electric switches, in a selected manner. W. F. Horgan. 2,544,089, Mar. 6.
Optical lens system comprising one or more aspherical refracting surfaces. A. Bouwers. 2,544,413, Mar. 6.
Ore treating machine. A. Mitchell. 2,544,634, Mar. 6.
Organic nitro diol derivatives and metal salts thereof. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Bartz. 2,543,957, Mar. 6.
Orifice and tool therefor, Insert. M. M. Kinley. 2,544,601, Mar. 6.
Oscillating doctor for paper machines. W. Lyon. 2,544,557, Mar. 6.
Oscillator circuit arrangement. R. Golicke. 2,544,017, Mar. 6.
Oscillograph system, Three-dimensional. J. L. Whittaker. 2,544,624, Mar. 6.
Outlet boxes, Making. F. J. Kennedy. 2,544,266, Mar. 6.
Oxygen removal from absorption oils. H. Ernst, Jr. 2,543,838, Mar. 6.
Oxygenated products from petroleum, Production of. G. E. Liedholm and J. T. Harlan, Jr. 2,544,271, Mar. 6.
Package handling and treating machine. H. A. Heyward. 2,543,968, Mar. 6.
Packaging machine having article receiving and transferring sections for handling articles in group formation. J. C. Bain and F. R. East. 2,544,125, Mar. 6.
Packing device for hydraulic fluid-tight sliding joints. R. L. Levy. 2,544,537, Mar. 6.
Paddle. S. G. Stuckey. 2,543,879, Mar. 6.
Paint pail cradle. L. W. Hamilton. 2,544,312, Mar. 6.
Panel construction and forming the same. J. Horsfall, R. M. Felsenthal, and A. J. Bowden. 2,543,970, Mar. 6.
Panel control. B. Lermont. 2,543,785, Mar. 6.
Pebble feeder. L. J. Weber. 2,544,575–6, Mar. 6.
Pelletizing ore fines. F. D. De Vaney. 2,543,898, Mar. 6.
Pendulum level with transparent indicators. F. J. Allgeo. 2,544,438, Mar. 6.
Penicillin salt suspensions. H. C. Miller. 2,544,272 Mar. 6.
Pencentage modulation control network. G. H. Brown and G. B. MacKimmie. 2,543,827, Mar. 6.
Peristaltic pump. B. G. Copping. 2,544,628, Mar. 6.
Petroleum sulfonates, Water-soluble. C. E. Wilson. 2,543,885, Mar. 6.
Phenol-formaldehyde resins containing ketene polymers of higher fatty acids, Acylated. B. E. Sorenson. 2,544,365, Mar. 6.
Phonograph, Automatic. F. M. Johnson. 2,544,230, Mar. 6.
Phosphate glass, High index. N. J. Kreidl. 2,544,460, Mar. 6.
Photochemical oxidation of nicotine. L. Weil. 2,543,817, Mar. 6.
Photographic emulsions, Sensitized. J. J. Jennen and W. Michaelis. 2,544,322, Mar. 6.
Photographic product. E. H. Land. 2,544,268, Mar. 6.
Photosensitive transfer. T. S. Reese. 2,544,237, Mar. 6.
Picker, Cranberry. C. I. Brateng. 2,544,443, Mar. 6.
Pigment bases, High-density, free-flowing. D. C. Peck. 2,544,636, Mar. 6.
Pin retaining means. H. H. Wolfe. 2,544,288, Mar. 6.
Pipe: *See*—
Smoking pipe.
Pipe connecting. J. C. Richardson. 2,544,108, Mar. 6.
Pipe connection. J. G. Richardson. 2,544,109, Mar. 6.
Piston. C. R. Flint. 2,544,494, Mar. 6.
Piston machine, Free. H. B. Horgen. 2,543,851, Mar. 6.
Piston ring. H. P. Phillips. 2,544,333, Mar. 6.
Pitting machine, Olive. C. V. Butterfield and E. L. Gonella. 2,544,006, Mar. 6.
Plane, Power actuated hand. H. T. Libby and D. G. Pearson. 2,544,098, Mar. 6.
Plastic-fiber composition, Manufacture of. C. C. Heritage. 2,544,019, Mar. 6.
Plasticising synthetic rubber with a reaction product of an alkyl mercaptan and a rubbery diolefin polymer. C. F. Fryling. 2,543,844, Mar. 6.
Plasticising synthetic rubber with a reaction product of an alkyl mercaptan and said rubber. C. F. Fryling. 2,543,845, Mar. 6.
Platter. A. C. Scavullo. 2,544,357, Mar. 6.
Plug: *See*—
Electric cord plug.
Plug-nut. D. C. Eckenbeck, P. E. Slaughter, and C. L. Madden. 2,544,304, Mar. 6.
Plug valve. O. Jacobsen. 2,544,090, Mar. 6.
Polisher, buffer, and applicator, Domestic electric floor. R. A. Ohmert. 2,544,174, Mar. 6.
Polyazo dyestuffs. P. Hindermann. 2,544,087, Mar. 6.
Polysulfone resin process and composition. F. E. Frey. 2,543,842, Mar. 6.
Polyvinyl alcohol objects, Preparation of shaped. G. D. Patterson and H. M. Stark. 2,543,801, Mar. 6.
Pontoon, Rowboat safety. F. A. Keelen. 2,544,599, Mar. 6.
Portable and adjustable bench clamp. T. T. Hill. 2,544,532, Mar. 6.
Pot lid holder. J. F. Calvert. 2,543,832, Mar. 6.
Poultry feeder. E. Lewis. 2,543,916, Mar. 6.
Pouring and sifting device for powdered material, Combined. P. E. L. Bonnefoy. 2,544,524, Mar. 6.
Power brake control with automatic locking means. E. R. Price. 2,544,043, Mar. 6.
Power brake servo mechanism, Hydraulic. G. W. Pontius, III. 2,544,042, Mar. 6.
Power translation mechanism. P. M. Olman. 2,543,929, Mar. 6.
Power unit with fixed piston for producing oscillating motion, Hydraulic. W. P. C. Smith. 2,543,876, Mar. 6.
Precision angle and internal taper gauge. C. T. Olson. 2,544,469, Mar. 6.
Press: *See*—
Automatic press.
Automatic sole playing press.
Underdrive punch press.
Presser foot control apparatus. T. Kotsin and J. C. Ivey. 2,544,029, Mar. 6.
Pressure regulator. R. H. Peterson. 2,544,040, Mar. 6.
Pressure regulator. F. Sayers. 2,544,186, Mar. 6.
Pressure responsive means. W. W. Paget. 2,544,612, Mar. 6.
Preventing foaming of aqueous absorption liquids when employed in the removal of acid constituents present in gaseous mixtures. I. A. Peterson and E. S. Palmer, Jr. 2,544,564, Mar. 6.
Print rolls, Making. J. M. Goulding. 2,544,455, Mar. 6.
Produce treating apparatus. D. E. Leonard. 2,543,915, Mar. 6.
Producing a low odor naphtha. M. P. Matuszak. 2,544,559, Mar. 6.
Producing porous, lightweight, burned argillaceous material. W. S. Ramsay. 2,543,987, Mar. 6.
Product control in suspension polymerizations. R. C. Reinhardt. 2,543,805, Mar. 6.
Production control board. A. B. Corsillus. 2,544,445, Mar. 6.
Program selector system, Automatic radio. R. F. Yonash. 2,544,409, Mar. 6.
Projectile-actuated surge generator. C. B. Gardner. 2,544,077, Mar. 6.
Propeller pitch controller, Speed responsive. R. H. Brandes. 2,544,131, Mar. 6.
Proportioning device. R. B. Sargent. 2,543,941, Mar. 6.
Protection of cathode-ray tube screens. S. F. Bushman. 2,543,831, Mar. 6.

Protector: *See*—
Colostomy protector.
Lug protector.
Sanitary neck protector.
Shoe protector.
Thread protector.
Protector for trousers, Crotch. M. Turner. 2,544,403, Mar. 6.
Puller and cutter, Vine. F. Johnson. 2,544,024, Mar. 6.
Pulling and comminuting device for plants, stalks, and the like. F. Johnson. 2,544,025, Mar. 6.
Pulverizer with intermeshing knives on rotor and stator, Rotary centrifugal. J. Dutra, Jr. 2,544,072, Mar. 6.
Pump: *See*—
Fuel injection pump.
Hydraulic pump.
Oil burner pump.
Peristaltic pump.
Variable throw crankshaft piston type radial pump.
Puppet, Dancing. H. N. Atwell. 2,544,124, Mar. 6.
Purification of nicotinamide. R. V. Heinselmann. 2,544,157, Mar. 6.
Purification of silver nitrate solutions. M. Marasco, L. J. Conrad, and J. A. Moede. 2,543,792, Mar. 6.
Purifying rutin. C. F. Krewson. 2,543,783, Mar. 6.
Purse for handbags, Removable. D. Filenbaum. 2,544,493, Mar. 6.
Quaternary ammonium salts of di- and tri-(dialkylaminoalkoxy)-benzenes. E. Fourneau. 2,544,076, Mar. 6.
Quick-freezing machine. C. D. Burney. 2,543,889, Mar. 6.
Quick-operating pressure relief valve. D. G. Griswold. 2,543,846, Mar. 6.
Radar scanner unit. T. I. Moseley. 2,544,433, Mar. 6.
Radar system of superhetrodyne type, Frequency-modulated. R. A. Braden. 2,544,293, Mar. 6.
Rail bond, Multiple electrical. C. D. Richards. 2,544,180, Mar. 6.
Razor, Safety. A. C. Butler. 2,543,890, Mar. 6.
Reaction of diolefin polymers with hydrogen and carbon monoxide. J. P. Jones and W. N. Axe. 2,544,555, Mar. 6.
Reamer, Bevel recessing. L. M. Clark. 2,544,444, Mar. 6.
Receiving apparatus for radio signals. R. L. Pease. 2,544,102, Mar. 6.
Receiving system for electric waves. T. L. Gottier. 2,544,311, Mar. 6.
Receptacle for urine, Collecting. W. F. McGraw. 2,544,341, Mar. 6.
Record analyzing means with removable brush holder, Perforated. E. A. Ford. 2,543,906, Mar. 6.
Record, Phonograph. E. P. Di Giannantonio. 2,544,010 Mar. 6.
Recorder, Elapsed time. W. M. Tener. 2,543,946, Mar. 6.
Recording apparatus, Photographic. G. T. Baker. 2,544,440, Mar. 6.
Recording apparatus, Record controlled. E. J. Rabenda and F. J. Furman. 2,543,935, Mar. 6.
Recovering aldehydes and ketones. V. F. Michael. 2,544,562, Mar. 6.
Reel: *See*—
Wire reel.
Reel seat for fishing rods, Floating. C. L. Umphlette and L. V. Hodgeboom. 2,543,881, Mar. 6.
Reel support. A. C. Nystrom. 2,544,348, Mar. 6.
Reeling, rotating, and driving unit for sewer cleaning rods. P. L. Ciaccio. 2,544,256, Mar. 6.
Refining of organic compounds. L. D. Friedman and W. B. Hughes. 2,544,308, Mar. 6.
Reflector, Reflex light. P. V. Palmquist and R. E. Penrod. 2,543,800, Mar. 6.
Refractory and semirefractory materials and manufacture. L. W. Austin and D. Rhodes. 2,543,752, Mar. 6.
Refrigerator cabinet breaker strip. G. K. Iwashita. 2,544,321, Mar. 6.
Refrigerator wall and closure. G. Muffly. 2,544,394, Mar. 6.
Regulator: *See*—
Electrical regulator.
Generator regulator.
Pressure regulator.
Relaxation type of electrical measuring system. T. C. Hana. 2,544,531, Mar. 6.
Relay, Voice operated. D. M. Saling. 2,543,807, Mar. 6.
Release and reset mechanism for clothes wringers. S. I. Gabrielson. 2,544,309, Mar. 6.
Release means for toggle-actuated plier-type wrenches. L. C. Mead. 2,543,922, Mar. 6.
Remover and chopper, Vine. F. Johnson. 2,544,023, Mar. 6.
Removing oil from filter cakes. F. L. Fourrier and J. Opryshek, Jr. 2,544,307, Mar. 6.
Repair of pulpstones. N. F. Holter and W. F. Beth. 2,544,632, Mar. 6.
Retaining ring assembly. H. Heimann and L. Brosek. 2,544,631, Mar. 6.
Rethreader and cleaner, Adjustable pipe and casing. P. D. Taylor. 2,543,945, Mar. 6.
Retractable office lamp. A. Mounique. 2,543,926, Mar. 6.
Re-usable container. L. W. Snyder. 2,544,283, Mar. 6.
Reversible rotary hydraulic coupling. S. G. Lundgren and E. O. Eriksson. 2,544,167, Mar. 6.
Ring: *See*—
Piston ring.
Ring for annular combustion chambers, Liquid fuel and atomising. W. L. Christensen. 2,543,762, Mar. 6.
Road machine, Turntable. E. B. Snead. 2,544,113, Mar. 6.
Rod: *See*—
Coated welding rod.
Rotary displacement device. C. Bancroft. 2,544,220–1, Mar. 6.
Rule, Circular slide. K. H. Hachmuth. 2,544,224, Mar. 6.
Sandpaper of improved durability having an adhesive bond which is predominantly water soluble. C. K. Hensley. 2,543,777, Mar. 6.
Sanitary neck protector. N. Caluthis. 2,544,487, Mar. 6.
Saw-tooth current oscillation generator. A. J. Bennett and L. Lax. 2,544,213, Mar. 6.
Scale, Buoyancy. B. G. and K. H. Lange. 2,544,032, Mar. 6.
Scale, Recording. L. A. Nicaise. 2,544,038, Mar. 6.
Scale, Track. H. Mayer. 2,543,794, Mar. 6.
Screw press for mixing and extruding plastic materials. R. Colombo. 2,543,894, Mar. 6.
Screw driver, Power-operated semiautomatic. L. L. Krasnow. 2,544,165, Mar. 6.
Scrubboard, Hand held. P. E. Weems. 2,544,406, Mar. 6.
Seal, Bag. P. P. Frysh. 2,544,452, Mar. 6.
Seal, Coffee maker. I. Jepson. 2,544,324, Mar. 6.
Seal, Protective. G. D. McCarthy and A. H. Edwards. 2,544,541, Mar. 6.
Sealing of porous formations. C. L. Prokop. 2,543,868, Mar. 6.
Seasoning point for meats. V. W. Higgins. 2,544,316, Mar. 6.
Securing members with a predetermined torque by a composite cap screw. S. I. Bertelsen. 2,544,522, Mar. 6.
Seesaw, One person. H. S. Ray. 2,544,106, Mar. 6.
Seesaw, Rotating. J. D. Cummings. 2,544,589, Mar. 6.
Selective capacity water heater. W. W. Higgins. 2,544,458, Mar. 6.
Self-feeding device for livestock. O. R. Winkler. 2,544,578, Mar. 6.
Separator: *See*—
Centrifugal separator.
Separator and pouring spout, Cream. T. H. Daniels. 2,544,070, Mar. 6.
Servomotor and control valve therefor, Hydraulic. A. F. Marshall and H. A. Rees. 2,544,035, Mar. 6.
Sewer pipe cutting mechanism. J. L. Child, Jr. 2,544,254, Mar. 6.
Sewing machine hook mechanism. R. K. Hohmann. 2,544,227, Mar. 6.
Sextant attachment. C. W. Baldock. 2,544,441, Mar. 6.
Shaded pole motor. C. B. Walworth, Jr. 2,543,816, Mar. 6.
Shaft bearing. D. Firth. 2,543,905, Mar. 6.
Shaft coupling. D. P. Lower. 2,543,918, Mar. 6.
Sharpener, Pencil. H. Horowitz. 2,544,319, Mar. 6.
Sharpener, Scissors. V. Trapani and H. Krohm. 2,544,193, Mar. 6.
Sheepskinning process. R. P. Stow. 2,544,437, Mar. 6.
Sheet feeding machine. B. Dunn. 2,543,836, Mar. 6.
Shelf, Bracket. L. D. Watkins. 2,544,203, Mar. 6.
Ship derrick mast. A. E. Hallén. 2,544,081, Mar. 6.
Shock absorber. N. Wyeth. 2,544,548, Mar. 6.
Shock damper for electromagnetic devices. H. L. Davis. 2,544,491, Mar. 6.
Shoe protector. E. A. Howard. 2,544,264, Mar. 6.
Shower bath, Portable. R. Karlson. 2,544,092, Mar. 6.
Shutter arm. S. Jacobi. 2,544,500, Mar. 6.
Shuttle binder. C. Galland. 2,544,015, Mar. 6.
Sick call table. J. W. Busam, Sr. 2,544,415, Mar. 6.
Signal for automobile drivers, Speed warning. C. Stein. 2,543,877, Mar. 6.
Signal transfer apparatus. D. Mackey. 2,544,508, Mar. 6.
Signaling device, Selective. W. Koenig, Jr. 2,544,330, Mar. 6.
Signaling system. D. Silverman. 2,544,569, Mar. 6.
Silahydrocarbons. J. T. Goodwin, Jr. 2,544,079, Mar. 6.
Ski. R. Kjellberg. 2,544,028, Mar. 6.
Slide flute. R. W. Lawrence. 2,544,033, Mar. 6.
Sling for use in the treatment of unilateral leg diseases. P. Hallstedt. 2,543,847, Mar. 6.
Slotting apparatus, Pen nib. C. M. Hathaway. 2,544,156, Mar. 6.
Smoking pipe. C. C. Wilson. 2,544,206, Mar. 6.
Soap composition, Nonfoaming. A. L. Fox. 2,543,744, Mar. 6.
Sorting and classifying system for cards or the like. W. E. Block. 2,544,251, Mar. 6.
Sorting mechanism for blanks. W. Peeby. 2,543,802, Mar. 6.
Spark plug construction. H. R. Feichter. 2,543,961–2, Mar. 6.
Spectrometer, Radio-frequency. C. I. Glassbrook. 2,544,078, Mar. 6.
Speed change driving head for power-driven machines. E. T. Barnett. 2,544,061, Mar. 6.
Speed control for motors. C. H. Sparklin. 2,543,812, Mar. 6.
Speed regulation of dynamotors. T. A. Hansen. 2,544,383, Mar. 6.
Spout with spaced, flexible, peripheral flanges, releasably connectible to the rim of a carton opening. E. R. Hathaway, Jr. 2,543,909, Mar. 6.
Spray gun, Metallizing. G. Dueeini and P. R. Caredio. 2,544,259, Mar. 6.
Spring caster. E. L. Wiedman. 2,543,948, Mar. 6.

Spring fork mechanism. H. A. Schuricht. 2,543,991, Mar. 6.
Stabilization of DDT solutions at low temperatures by means of nitrocycloparaffins. L. Q. Boyd. 2,543,955, Mar. 6.
Stanchion device, Automatic cow. E. D. Mitchell. 2,544,171, Mar. 6.
Stand: *See*—
Christmas tree stand.
Staple holder. F. H. Downing. 2,544,492, Mar. 6.
Star finder. G. W. D. Waller and A. B. Moody. 2,543,815, Mar. 6.
Steam boiler. R. G. Fisher. 2,544,013, Mar. 6.
Steering mechanism, Power. H. W. Price. 2,544,041, Mar. 6.
Stick-candy machine. G. H. Keller. 2,544,502, Mar. 6.
Stiff narrow fabric. W. West. 2,544,373, Mar. 6.
Stocking attachment. R. E. Carr. 2,544,065, Mar. 6.
Stoppering and the like machines having hydraulic moving and locking means. R. Détrez. 2,544,009, Mar. 6.
Strainer-stopper assembly for sinks or the like, Removable. A. J. Hiertz. 2,544,498, Mar. 6.
Stylus construction. F. Frans. 2,544,495, Mar. 6.
Support: *See*—
Reel support.
Support. M. J. Vavra and W. J. Barnett. 2,543,997, Mar. 6.
Support and induction pickup for telephone amplifying system, Handset. J. D. Chirite. 2,543,761, Mar. 6.
Support for chairs, Adjustable seat. P. Mondy. 2,543,924, Mar. 6.
Supporting means for oscillating sewing machine hooks. R. K. Hohmann. 2,544,263, Mar. 6.
Surface active derivatives of nitrogen-containing sulfonic acids. G. Jaccard. 2,543,852, Mar. 6.
Surface finishing ironing tool. W. C. Jones. 2,544,326, Mar. 6.
Surgical device. M. H. Moseley. 2,544,037, Mar. 6.
Sweetening hydrocarbon mixtures. E. B. Backenato. 2,543,953, Mar. 6.
Switch: *See*—
Hermetically sealed electric switch.
Switch for high-frequency heating systems, Transfer. C. E. Ellsworth and A. E. Gilbert. 2,543,768, Mar. 6.
Switchgear drawout mechanism. E. E. Hebbel, Jr. 2,544,314, Mar. 6.
Switching apparatus. G. J. Kennedy. 2,544,535, Mar. 6.
Sword. F. W. Moehle. 2,544,563, Mar. 6.
Synthesis of organic compounds. J. W. Jewell and W. B. Johnson. 2,543,974, Mar. 6.
Synthetic fiber preparation. C. A. Hochwalt. 2,544,385, Mar. 6.
System and method for analyzing substance by mass spectrometry. R. W. Long. 2,543,859, Mar. 6.
Table: *See*—
Sick call table.
Table and chair for infants, Combined. J. A. Gustafson, C. J. Caligiuri, and J. J. Kumsa. 2,544,080, Mar. 6.
Table construction, Vertically adjustable. B. Hoppe. 2,544,228–9, Mar. 6.
Tablets of sodium gentisate dihydrate, Preparing. W. M. Lauter and M. D. Brucar. 2,543,976, Mar. 6.
Tag holding means for laundry marking machines. P. N. Braun. 2,544,064, Mar. 6.
Telephone substation apparatus. C. A. Johnson, Jr. and C. L. Krumreich. 2,544,325, Mar. 6.
Television antenna bracket. F. E. and R. A. Dudley. 2,543,900, Mar. 6.
Television, Color. P. C. Goldmark. 2,543,772, Mar. 6.
Tellurian. H. M. Vanderhider. 2,544,057, Mar. 6.
Temple shaping tool. S. E. Collinson. 2,544,067, Mar. 6.
Tension control system. M. Michel. 2,544,467, Mar. 6.
Tester for cameras, Flash bulb synchronization. J. E. Lovi and F. G. Hitzman. 2,543,860, Mar. 6.
Testing device, Detonator. R. O. Beach. 2,543,754, Mar. 6.
Testing device, Detonator. R. S. Prescott. 2,543,803, Mar. 6.
Tetranitrodiols and preparing same. H. Plaut. 2,544,103, Mar. 6.
Therapeutic agent. S. M. Wade. 2,544,200–01, Mar. 6.
Therapeutic compositions. C. P. Hegarty and W. F. Verwey. 2,544,630, Mar. 6.
Thermal cutoff for steam generators, Low-water. E. W. Henkel. 2,544,384, Mar. 6.
Thermostatic control device. J. E. Woods. 2,544,208, Mar. 6.
Thermostatic regulator valve. P. C. Matthiesen. 2,543,978, Mar. 6.
Thread protector. G. P. Elmer. 2,543,960, Mar. 6.
3-thienyl sulfides. J. W. Brooks and A. N. Sachanen. 2,544,294, Mar. 6.
Ticket holder. E. M. Macdonald. 2,544,337, Mar. 6.
Tilting explosive charges in wells. W. H. Thompson, E. O. Tolson, and R. H. McLemore. 2,543,814, Mar. 6.
Tilting mechanism for Venetian blinds. H. S. Rosenbaum. 2,544,184, Mar. 6.
Timing device. F. J. Mulhern. 2,544,346, Mar. 6.
Timing device. F. C. W. Stelter. 2,544,621, Mar. 6.
Tire ply turndown device. E. E. Mallory. 2,544,390, Mar. 6.
Tongue cleaner. J. A. Voss. 2,543,999, Mar. 6.
Tonsil enucleator. S. M. Cottrell. 2,544,588, Mar. 6.
Tool: *See*—
Axle stub-removing tool.
Hand cultivating and weeding tool.
Surface finishing ironing tool.
Temple shaping tool.
Tool driving apparatus, Power-operated. M. M. Cohen. 2,544,219, Mar. 6.
Toothbrush and casing therefor. B. W. Boothroyd. 2,544,130, Mar. 6.
Top feed and presser means for sewing machines. F. W. Beck, R. J. Babka, and R. H. Lukins. 2,544,549, Mar. 6.
Toy, Educational. A. Shulman. 2,543,998, Mar. 6.
Toy unit, Illuminated. W. C. Levering. 2,544,034, Mar. 6.
Tractor fifth wheel mounting. D. A. Walther. 2,543,749, Mar. 6.
Traffic controlling system, Centralized. F. X. Rees. 2,543,869, Mar. 6.
Trailer hitch. F. T. Sargent. 2,544,185, Mar. 6.
Trailer hitch for tractors. C. B. Richey. 2,544,181, Mar. 6.
Transfer mechanism. R. L. Burdsall. 2,544,218, Mar. 6.
Transmission. P. H. Palen and H. W. Burdett. 2,544,542, Mar. 6.
Transmission, Multispeed. F. W. Porter. 2,544,543, Mar. 6.
Trap: *See*—
Animal trap.
Ant trap.
Variable tension circular jaw animal trap.
Treating hydrocarbon oils. T. B. Tom. 2,543,995, Mar. 6.
Treatment of citrus fruit to facilitate peeling. R. Polk, Sr. and R., Jr. 2,543,932, Mar. 6.
Treatment of storage organs to control sprouting. H. Veldstra. 2,544,243, Mar. 6.
Treatment of synthetic naphtha. B. N. Hill and E. F. Wadley. 2,544,317, Mar. 6.
Tree holder. N. J. Hendrickson. 2,543,849, Mar. 6.
Trigger release toggle clamp. J. A. Kirk. 2,544,329, Mar. 6.
Truss type aircraft wheel. H. H. Kerr. 2,544,387, Mar. 6.
Tube handling and projecting apparatus, Capillary. W. W. Davis and T. V. Parke. 2,544,629, Mar. 16.
Tubing caliper. D. B. McMahan. 2,544,609, Mar. 6.
Tubing, Plywood. J. J. Dunne and O. S. Tuttle. 2,543,901, Mar. 6.
Tuner linkage. G. F. Behringer. 2,544,127, Mar. 6.
Turbine, Tubular. E. N. Hampton. 2,544,154, Mar. 6.
Turkey enterohepatitis control composition. E. Waletsky. 2,543,748, Mar. 6.
2-bromothiophene. C. E. Johnson and G. M. Wagner. 2,544,164, Mar. 6.
Tympan. W. Page. 2,544,279, Mar. 6.
Underdrive punch press. F. K. Maussnest. 2,544,540, Mar. 6.
Undergarment, Form-fitting. P. J. Morano. 2,544,432, Mar. 6.
Uranium nitride, Preparation of. A. S. Newton and O. Johnson. 2,544,277, Mar. 6.
Urea-formaldehyde compositions, Preparing thermosetting. C. H. Parker, Jr. 2,544,351, Mar. 6.
Vacuum cleaner housing unit. G. E. Weir. 2,544,405, Mar. 6.
Valve: *See*—
Air or gas relief valve.
Compression valve.
Electric discharge valve.
Fluid control valve.
Fluid pressure control valve.
Plug valve.
Quick-operating pressure relief valve.
Thermostatic regulator valve.
Valve. F. Hinrichs. 2,544,160, Mar. 6.
Valve for liquefied hydrocarbon containers, Fill and discharge. W. E. McCabe, Jr. 2,543,920, Mar. 6.
Valve mechanism for internal-combustion engines, Charge control. M. Mallory. 2,544,607, Mar. 6.
Valve shaft, Motor operated. G. T. Downey. 2,544,448, Mar. 6.
Valve structure and system therefor. J. P. Smith. 2,544,054, Mar. 6.
Vaporizing type liquid fuel burner. J. W. Miller. 2,543,980, Mar. 6.
Variable impedance device. L. E. Barton. 2,544,211, Mar. 6.
Variable-speed drive. D. Heyer. 2,543,967, Mar. 6.
Variable tension circular jaw animal trap. M. E. Bigelow. 2,543,826, Mar. 6.
Variable throw crankshaft piston type radial pump. F. E. Staats. 2,544,055, Mar. 6.
Vat dyeing of acrylonitrile polymers. R. J. Thomas. 2,543,994, Mar. 6.
Vehicle: *See*—
Low bed vehicle.
Vehicle body construction. R. Cadwallader. 2,544,525, Mar. 6.
Vehicle wheel suspension. A. W. Kogstrom. 2,544,331, Mar. 6.
Vent plug for oil drums. P. E. Purcell. 2,544,613, Mar. 6.
Ventilating apparatus. O. J. Davenport. 2,544,379, Mar. 6.
Ventilator. M. G. Roberts. 2,544,182, Mar. 6.

Vibrating coatings while drying so as to impart a pattern thereto. W. W. Ulmer and L. R. Burroughs. 2,544,622, Mar. 6.
Vibrating drink mixer. A. C. Wilcox. 2,543,818, Mar. 6.
Vibrator device, Nail file. H. L. Ashmead. 2,544,248, Mar. 6.
Vibrator interrupter system. R. H. Lee. 2,544,332, Mar. 6.
Visor, Adjustable windshield. H. C. Riemann. 2,544,045, Mar. 6.
Visor for spectacles. F. S. Creighton. 2,544,221, Mar. 6.
Voltage supply, Radio frequency. R. C. Dye. 2,543,902, Mar. 6.
Wagon and sled, Combination. J. Hyde. 2,544,163, Mar. 6.
Waistband, Adjustable. C. E. M. Lembo. 2,544,333, Mar. 6.
Washcloth. J. F. Reiter. 2,544,354, Mar. 6.
Washer: *See*—
Car washer.
Mechanical car washer.
Water cycle. F. Shelverton. 2,544,240, Mar. 6.
Wave repeater, Ultra-short. H. Chireix. 2,544,255, Mar. 6.
Weaving pile carpets and resultant product. L. H. and J. Mackay. 2,544,338, Mar. 6.
Web festooning device. M. G. Hinnekens. 2,544,159, Mar. 6.
Weed control. J. J. Donleavy. 2,544,141, Mar. 6.
Weld composition. G. E. Linnert. 2,544,336, Mar. 6.
Weld rod, flux, and method. G. E. Linnert. 2,544,334, Mar. 6.
Welding method and product. G. E. Linnert. 2,544,335, Mar. 6.
Well-drilling drawworks. C. J. Keim and A. R. Maier. 2,544,327, Mar. 6.
Welt turning mechanism for straight bar knitting machines. H. W. and E. Start. 2,544,187, Mar. 6.
Wheel: *See*—
Truss type aircraft wheel.
Wheel assembly, Tail. C. H. Nickell. 2,544,278, Mar. 6.
Wheelbarrow, Self-loading. S. Kronhaus. 2,544,505, Mar. 6.
Wheel cover. P. E. Benson. 2,544,129, Mar. 6.
Wheel for dual control automobiles, Auxiliary steering. P. A. Ostrow. 2,544,635, Mar. 6.
Wheel for timepieces, Balance. C. Fleck. 2,544,306, Mar. 6.
Wheel lug, Retractable. E. Schnell. 2,544,050, Mar. 6.
Wheel mounting arrangement for vehicles. L. R. Bergen. 2,544,521, Mar. 6.
Wheel retainer for vehicles. S. J. Killingsworth. 2,543,854, Mar. 6.
Wheel springing installation. J. J. Pachter. 2,543,930, Mar. 6.
Winch for convertible draglines and shovels. T. O. Davidson and B. L. Lonngren. 2,543,765, Mar. 6.
Winding machine, Bobbin. B. A. Peterson. 2,543,931, Mar. 6.
Window regulator mechanism. B. S. Floraday. 2,544,451, Mar. 6.
Window sash holder. A. F. Wintercorn. 2,544,518, Mar. 6.
Window sash, Removable. R. J. Riley. 2,544,046, Mar. 6.
Window screen frame. J. H. Scruggs. 2,544,512, Mar. 6.
Window stop. G. F. Krouse. 2,543,913, Mar. 6.
Wing device, Folding. J. W. Holland. 2,544,021, Mar. 6.
Wire reel. S. D. Spurling. 2,544,401, Mar. 6.
Work holder. F. R. Whitcomb. 2,544,625, Mar. 6.
Work loading means for machine tools. J. D. Davis. 2,543,834, Mar. 6.
Wrapping machine. E. D. Boyce. 2,544,442, Mar. 6.
Wrench for tappets, Holding. C. E. Johnson. 2,544,022, Mar. 6.
Wrench having a pivoted rack catch, Slidable inner jaw. B. M. and B. Beesley. 2,543,824, Mar. 6.
X-ray diffraction apparatus. K. E. Beu and H. H. Claassen. 2,543,825, Mar. 6.
Yarn spools and tube frames for Axminster looms, Preparing. O. V. Payne. 2,544,435, Mar. 6.
Zinc oxide-magnesium oxide luminous pigments activated by bismuth or bismuth and iron. L. J. Reimert and E. A. Fatzinger. 2,544,236, Mar. 6.

CLASSIFICATION OF PATENTS

ISSUED MARCH 6, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

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32: 2,544,165
117: 2,544,098
136: 2,543,917
307: 2,544,532
145— 114: 2,544,444
146— 16: 2,543,886
17: 2,544,006
230: 2,543,932
148— 6.2: 2,544,139
150— 28: 2,544,493
49: 2,544,074
2,544,075
154— 2.24: 2,544,503
10: 2,544,390
42.1: 2,544,082
54.5: 2,544,279
101: 2,544,019
116: 2,544,133
129: 2,544,169
155— 1: 2,544,506
93: 2,543,924
123: 2,544,080
137: 2,544,615
196: 2,543,875
158— 28: 2,544,299
2,544,511
35: 2,544,217
91: 2,543,980
2,544,190
116: 2,544,603

160— 119: 2,544,045
177: 2,544,005
2,544,184
229: 2,544,008
348: 2,544,516
381: 2,544,512
161— 1: 2,543,938
2,544,346
2,544,409
9: 2,544,454
15: 2,543,946
2,544,621
164— .5: 2,543,823
12: 2,544,280
76: 2,544,241
103: 2,544,540
166— 6: 2,544,601
22: 2,543,868
167— 30: 2,543,955
53.1: 2,543,748
58: 2,544,272
65: 2,544,630
74: 2,543,908
82: 2,543,976
169— 11: 2,544,016
15: 2,543,941
31: 2,544,137
170— 159: 2,544,450
171— 95: 2,544,531
97: 2,544,179
209: 2,544,077
242: 2,544,152
2,544,195
172— 36: 2,544,448
278: 2,543,816
173— 322: 2,544,343
324: 2,544,180
328: 2,543,906
361: 2,543,951
174— 116: 2,544,233
175— 41.5: 2,544,550
183: 2,543,754
2,543,803
2,543,843
2,544,078
2,544,529
204: 2,544,519
335: 2,544,366
338: 2,544,491
355: 2,544,523
359: 2,543,940
376: 2,544,313
177—311.5: 2,543,877
351: 2,544,624
353: 2,543,969
2,544,330
380: 2,543,907
178— 5.4: 2,543,772
6.5: 2,543,793
18: 2,544,225
44: 2,543,797
2,543,809
2,543,973
2,544,211
2,544,226
2,544,508
53.1: 2,543,874
69.5: 2,543,787
179— 1: 2,543,761
2,543,807
2,544,102
18: 2,543,986
100: 2,544,325
107: 2,544,027
115.5: 2,544,536
171: 2,543,819
2,544,340
2,544,344
184: 2,544,267
180— 54: 2,544,606
181— 46: 2,544,284
183— 4.2: 2,544,214
43: 2,544,395
114.5: 2,543,838
184— 6: 2,543,784
188— 5: 2,544,462
78: 2,544,030

188—	82.8:	2,544,471	215—	38:	2,544,586	236—	99:	2,543,978	255—	1.4:	2,544,623	260—	621:	2,544,292	288—	21:	2,544,347
	90:	2,543,929		39:	2,543,774	237—	1:	2,544,474		1.8:	2,544,573		638:	2,544,271	292—	74:	2,544,518
	152:	2,544,043		40:	2,543,775	240—	1.3:	2,544,388		27:	2,544,473		639:	2,843,820		76:	2,543,913
	171:	2,543,830		87:	2,543,822		6:	2,544,359		72:	2,543,861		648:	2,544,560		227:	2,544,611
189—	35:	2,544,614	216—	9:	2,543,968		10.6:	2,544,059	257—	178:	2,544,349		663.4:	2,544,552		307:	2,544,452
192—	3.2:	2,544,551		54:	2,544,627		41:	2,544,533		244:	2,544,183			2,544,559	294—	19:	2,543,862
	12:	2,544,360	219—	8:	2,544,000		46.50:	2,544,378	259—	45:	2,544,162	261—	44:	2,544,111		65.5:	2,544,449
	30.5:	2,543,979			2,544,334		78:	2,544,581		95:	2,543,986	263—	11:	2,543,982		78:	2,544,396
	71:	2,544,107		19:	2,543,882		81:	2,543,926		113:	2,543,818		19:	2,544,576		104:	2,543,947
	105:	2,543,873			2,544,547	241—	153:	2,544,047		133:	2,544,301		52:	2,544,091		115:	2,544,142
195—	35:	2,543,897		20:	2,544,544		186:	2,544,072		161:	2,544,083	264—	3:	2,544,352	296—	28:	2,544,525
	37:	2,544,273		21:	2,544,326		202:	2,544,634			2,544,084		14:	2,544,131		44:	2,544,003
196—	18:	2,544,307		35:	2,544,514	242—	35.5:	2,543,931			2,544,085	265—	5:	2,544,038		135:	2,544,580
	29:	2,543,953		39:	2,544,189		111:	2,544,401			2,544,545		27:	2,543,794	298—	30:	2,544,117
	39:	2,543,995			2,544,458		128:	2,544,478		169:	2,544,202			2,543,806	299—	62:	2,544,374
	54:	2,544,350	220—	3.94:	2,544,232		139:	2,544,348	260—	2.5:	2,544,483		43:	2,544,032		77:	2,544,073
	56:	2,543,884		9:	2,543,839		158:	2,544,143		8:	2,544,166	267—	1:	2,544,500		88:	2,543,829
197—	20:	2,543,935			2,544,321	244—	7:	2,544,497		17.5:	2,544,585		8:	2,544,548		95:	2,544,539
	133:	2,543,919		36:	2,543,977		49:	2,544,021		19:	2,544,365	268—	35:	2,544,215		106:	2,544,176
	171:	2,544,362		39:	2,544,613		50:	2,544,278		21:	2,543,799		58:	2,544,239		120:	2,544,417
198—	69:	2,544,570		85:	2,544,530		121:	2,544,397		22:	2,544,636		126:	2,544,451		141:	2,544,123
	176:	2,544,191	222—	80:	2,543,770	248—	2:	2,544,151		29.7:	2,543,845	271—	2.2:	2,544,159			2,544,558
200—	4:	2,543,804		86:	2,544,095		27.8:	2,543,880		30.8:	2,543,842		42:	2,543,836		149:	2,544,556
	8:	2,543,768			2,544,361		43:	2,543,900			2,543,844	272—	1:	2,544,128	301—	47:	2,544,050
	16:	2,544,535		187:	2,544,198		44:	2,543,849		41:	2,543,801		30:	2,544,589		65:	2,544,387
	50:	2,544,314		370:	2,543,934			2,543,896		70:	2,544,351		55:	2,544,106		114:	2,543,854
201—	48:	2,544,208		470:	2,544,062		68:	2,543,997		79.5:	2,543,867	274—	10:	2,544,230	302—	17:	2,544,054
		2,544,339		479:	2,543,909		210:	2,544,312		80.7:	2,544,393		38:	2,544,495		35:	2,544,011
	63:	2,544,261		480:	2,544,524		236:	2,544,203		82:	2,544,555		42:	2,544,010		53:	2,544,534
		2,544,554		484:	2,544,382		238:	2,544,368		85.5:	2,543,805	277—	20:	2,544,597	308—	2:	2,544,591
		2,544,567		518:	2,543,850	250—	15:	2,544,255		150:	2,544,068		45:	2,544,476		187:	2,543,905
	69:	2,543,970	223—	86:	2,543,810		17:	2,543,827		160:	2,544,087	279—	4:	2,543,857		230:	2,544,166
202—	69:	2,543,971		89:	2,544,170			2,544,204		210:	2,543,783		33:	2,543,958	309—	9:	2,544,494
204—	16:	2,544,250		99:	2,544,063		20:	2,544,311		240.4:	2,544,323		60:	2,544,088		45:	2,544,353
	28:	2,544,510		101:	2,544,282		27:	2,543,887		249.6:	2,544,071		79:	2,544,219	311—	39:	2,544,228
	73:	2,543,763	226—	19:	2,544,509			2,544,513		256.4:	2,543,972	280—	11:	2,544,163			2,544,229
	158:	2,543,817		43:	2,544,222		33.65:	2,544,433		281:	2,543,747		11.13:	2,544,028	312—	35:	2,544,114
	220:	2,544,138		48:	2,544,210		36:	2,543,891		285:	2,544,291		33.05:	2,543,749		43:	2,543,746
	247:	2,544,285		86:	2,544,626			2,544,017		295.5:	2,544,157		33.44:	2,544,181		100:	2,544,234
206—	83:	2,544,118		89:	2,544,009			2,544,213		329:	2,544,294			2,544,185		276:	2,544,415
	16:	2,544,410		113:	2,543,788			2,544,407		332.5:	2,544,164		41:	2,544,220	313—	117:	2,544,439
	40.6:	2,544,337		116:	2,544,416		41.9:	2,543,859		345:	2,543,745		47:	2,544,099		237:	2,544,104
	41.2:	2,544,501	229—	5.5:	2,543,757		53:	2,543,825		380:	2,543,767		81.5:	2,544,521		289:	2,544,320
209—	91:	2,543,802		23:	2,544,101		69:	2,544,268		398:	2,544,342		96.2:	2,544,331	315—	20:	2,543,831
210—	16:	2,543,813		32:	2,544,283		83.6:	2,544,412		401:	2,543,852		153:	2,544,129		180:	2,544,477
	51.5:	2,544,070		33:	2,544,565	251—	39:	2,544,160		448.2:	2,544,079		276:	2,543,991	318—	16:	2,543,789
	72:	2,544,367		52:	2,543,821			2,544,161			2,544,296	281—	15:	2,544,568		28:	2,544,286
	165:	2,544,289		55:	2,543,858		97:	2,544,090		449.6:	2,543,974		31:	2,544,566		29:	2,543,950
	166:	2,544,244	230—	56:	2,543,851	252—	1:	2,544,093			2,544,574	282—	23:	2,543,944		37:	2,544,332
	182:	2,544,402		120:	2,544,490		52:	2,544,375		450:	2,544,308	285—	22:	2,543,954		236:	2,544,571
	183:	2,544,269		130:	2,543,923		56:	2,543,964			2,544,317		86:	2,544,108		303:	2,544,583
211—	41:	2,544,053		275:	2,544,281			2,544,376		482:	2,543,764			2,544,109	321—	2:	2,543,902
	103:	2,544,177	232—	1:	2,543,751		132:	2,543,744		500:	2,543,957		109:	2,544,423		12:	2,544,345
212—	46:	2,544,553	235—	61:	2,544,126		150:	2,544,001			2,544,103		194:	2,543,983	343—	11:	2,543,753
213—	72:	2,544,288		74:	2,544,389		301.4:	2,544,507		504:	2,543,885	286—	26:	2,544,212			2,544,355
214—	1:	2,544,125		84:	2,544,224		301.6:	2,544,236		518:	2,543,837		27:	2,544,537		13:	2,544,100
	1.1:	2,543,956		92:	2,544,610		417:	2,543,863		563:	2,544,245		29:	2,544,541		14:	2,543,782
	2:	2,544,155		98:	2,543,790	253—	65:	2,544,154		567.6:	2,544,076	287—	20:	2,544,504			2,544,293
	35:	2,544,575		145:	2,543,899	254—	93:	2,544,039		593:	2,544,562		20.2:	2,544,398		118:	2,543,769
	78:	2,544,505			2,544,426		122:	2,543,904		614:	2,544,392		53:	2,544,089	346—	33:	2,544,440
	83.24:	2,544,456	236—	78:	2,544,031		185:	2,543,765		615:	2,543,952		90:	2,544,583		74:	2,543,779
215—	11:	2,544,464		79:	2,544,427	255—	1:	2,544,569			2,543,992			2,544,584			

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,543,758:	60—35.56	2,543,929:	188—90	2,544,103:	260—500	2,544,198:	222—187	2,544,373:	2—258	2,544,534:	222—480
2,543,759:	121—38	2,543,934:	222—370	2,544,104:	313—237	2,544,203:	248—236	2,544,374:	299—62	2,544,537:	107—24
2,543,779:	346—74	2,543,972:	260—256.4	2,544,105:	40—139	2,544,220:	280—41	2,544,380:	99—100	2,544,539:	299—95
2,543,788:	226—113	2,543,977:	220—36	2,544,118:	206—.83	2,544,228:	311—39	2,544,382:	222—484	2,544,540:	164—103
2,543,789:	318—16	2,543,979:	192—30.5	2,544,119:	138—56	2,544,240:	115—26	2,544,393:	318—303	2,544,543:	74—789
2,543,791:	48—196	2,543,981:	41—10	2,544,120:	138—56	2,544,248:	132—73.6	2,544,395:	183—43	2,544,553:	212—46
2,543,805:	260—85.5	2,543,983:	58—4	2,544,127:	74—10.6	2,544,254:	25—39	2,544,401:	242—111	2,544,562:	260—503
2,543,814:	102—21	2,543,994:	8—4	2,544,133:	154—116	2,544,268:	250—69	2,544,402:	210—182	2,544,563:	30—295
2,543,823:	164—.5	2,544,005:	160—177	2,544,142:	294—115	2,544,269:	210—183	2,544,453:	25—36	2,544,582:	74—579
2,543,827:	250—17	2,544,009:	226—89	2,544,143:	242—158	2,544,278:	244—50	2,544,463:	123—99	2,544,613:	220—39
2,543,833:	15—405	2,544,023:	55—61	2,544,150:	15—104.16	2,544,280:	164—12	2,544,477:	315—180	2,544,622:	117—10
2,543,838:	183—114.5	2,544,031:	236—78	2,544,155:	214—2	2,544,320:	313—289	2,544,484:	74—37	2,544,634:	241—202
2,543,861:	255—72	2,544,039:	254—93	2,544,163:	280—11	2,544,324:	99—292	2,544,485:	74—37	2,544,636:	260—22
2,543,872:	35—10.2	2,544,073:	299—77	2,544,164:	260—332.5	2,544,334:	219—8	2,544,503:	154—2.24		
2,543,926:	240—81	2,544,093:	252—1	2,544,170:	223—89	2,544,335:	29—191	2,544,513:	250—27		
2,543,928:	18—55	2,544,095:	222—86	2,544,179:	171—97	2,544,337:	206—40.6	2,544,522:	29—148		

Classification of Designs

D 1—12:	Des. 162,354	D26—14:	Des. 162,359	D37— 1:	Des. 162,356	D48—20:	Des. 162,309
	Des. 162,355		Des. 162,360	D42— 7:	Des. 162,322		Des. 162,323
D 4— 3:	Des. 162,282	D29— 2:	Des. 162,328		Des. 162,326		Des. 162,345
D 9— 2:	Des. 162,312		Des. 162,329		Des. 162,358	23:	Des. 162,278
D10— 7:	Des. 162,300		Des. 162,334	D44— 1:	Des. 162,357		Des. 162,330
	Des. 162,344	23:	Des. 162,317	9:	Des. 162,289	27:	Des. 162,315
D13— 1:	Des. 162,309	D31— 4:	Des. 162,319	10:	Des. 162,285	32:	Des. 162,366
D17— 1:	Des. 162,313	D34— 3:	Des. 162,316	D47— 5:	Des. 162,287	D54— 2:	Des. 162,324
3:	Des. 162,336	11:	Des. 162,288	7:	Des. 162,277	D56— 4:	Des. 162,296
D21— 6:	Des. 162,292	15:	Des. 162,331		Des. 162,293	D58— 2:	Des. 162,348
	Des. 162,325		Des. 162,333		Des. 162,343	D59— 2:	Des. 162,280
	Des. 162,361		Des. 162,338		Des. 162,350		Des. 162,298
D22— 3:	Des. 162,283		Des. 162,353		Des. 162,351		Des. 162,299
D26—13:	Des. 162,340	D35— 3:	Des. 162,320		Des. 162,352		Des. 162,304
	Des. 162,341	D36— 8:	Des. 162,302		Des. 162,362		Des. 162,305
	Des. 162,342	D37— 1:	Des. 162,303		Des. 162,365		Des. 162,306

D59— 2:	Des. 162,307	D81— 4:	Des. 162,335
	Des. 162,308	D83— 1:	Des. 162,337
	Des. 162,310	D85— 2:	Des. 162,368
	Des. 162,311	D86— 8:	Des. 162,332
D61— 1:	Des. 162,281		Des. 162,346
	Des. 162,295	9:	Des. 162,364
	Des. 162,339	10:	Des. 162,363
D62— 2:	Des. 162,296	D87— 3:	Des. 162,280
4:	Des. 162,297	D89— 1:	Des. 162,314
D64—11:	Des. 162,318	D92— 1:	Des. 162,294
	Des. 162,347		Des. 162,301
D71— 1:	Des. 162,321		Des. 162,327
D74— 5:	Des. 162,367	D93— 3:	Des. 162,279
D80— 5:	Des. 162,284		
9:	Des. 162,349		
10:	Des. 162,291		

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Condition of Applications Under Examination at Close of Business February 16, 1951

Total number of patent applications awaiting action. 118,978. Date of oldest new application, February 2, 1950; date of oldest amended application, February 17, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Herts, M. (no classes)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-10-50	3-9-50	2724
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-19-50	3-23-50	1841
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	6-2-50	5-31-50	1601
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-20-50	2-18-50	2123
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	2-18-50	2-17-50	1672
6. SURLE, H., Carbon Chemistry (part)	5-9-50	4-28-50	1841
7. GONSALVES, J. E., Optics; Photography (part)	7-22-50	7-27-50	1184
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-10-50	3-13-50	2221
9. BENSON, R. B., Pumps and Fans; Fluid Motors	3-3-50	2 24-50	1502
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	3-8-50	2-24-50	1342
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	3-4-50	3-2-50	1402
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-16-50	5-2-50	1342
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning)	3-16-50	3-17-50	1531
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	3-22-50	3-31-50	1557
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-22-50	6-22-50	1181
16. LOVEWELL, N. N., Television; Telephony	2-2-50	4-26-50	1162
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-9-50	3-4-50	2206
18. KURZ, J. A., Power Plants; Speed Responsive Devices	2-20-50	2-21-50	1636
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-8-50	3-30-50	1372
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Sales; Canopies, Umbrellas and Canes.	3-14-50	3-13-50	1792
21. MADER, R. C., Textiles; Package and Article Carriers	3-1-50	3-1-50	1799
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-1-50	3-9-50	1288
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-6-50	2-23-50	853
24. DRACOPOULOS, P. T. (Acting), Apparel; Apparel Apparatus; Sewing Machines	6-21-50	6-20-50	1579
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-16-50	5-12-50	1555
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	3-7-50	3-15-50	1334
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-11-50	4-12-50	2233
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-1-50	3-7-50	1537
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-14-50	5-3-50	2149
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	6-16-50	6-17-50	2004
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-29-50	5-12-50	2095
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-1-50	4-10-50	1479
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	3-25-50	4-13-50	2083
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-10-50	3-13-50	1631
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	3-10-50	3-6-50	1793
36. McFADYEN, A. D., Measuring and Testing; Automatic Weighers; Weighing Scales	2-28-50	2-24-50	1712
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-10-50	4-4-50	1314
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	6-5-50	5-2-50	1284
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves, Water Distribution	2-28-50	2-28-50	2788
40. DRUMMOND, E. J., Receptacles (part); Packages	4-24-50	3-20-50	3163
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-2-50	3-7-50	1597

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 118,978. Date of oldest new application, February 2, 1950; date of oldest amended application, February 17, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	4-26-50	4-11-50	2088
43. ASP, NOGI A. (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	8-11-50	4-28-50	903
44. HARVEY, L. P., Beds; Chairs, Seats	3-7-50	3-1-50	1706
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-21-50	3-31-50	1533
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (doors, windows, awnings and shutters); Kitchen and Table Articles.	3-6-50	3-7-50	1346
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	4-20-50	4-8-50	1705
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	6-4-50	4-10-50	1107
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	3-6-50	3-9-50	1786
50. LEVIN, SAMUEL, Synthetic Resins	5-11-50	6-14-50	1536
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-27-50	3-22-50	1537
52. POPPE, W. A. (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-23-50	3-18-50	3101
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-28-50	3-16-50	1053
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-11-50	4-8-50	1715
55. KLINE, J. R. (Acting), Artificial Body Members; Dentistry; Surgery; Toilet	6-2-50	6-14-50	1208
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	5-12-50	5-5-50	1808
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	7-1-50	7-6-50	1223
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-13-50	3-18-50	1387
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-27-50	5-8-50	1220
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	4-17-50	1268
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-9-50	3-25-50	1884
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-20-50	3-2-50	2312
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	6-9-50	6-5-50	1592
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	7-19-50	7-19-50	1773
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	5-23-50	5-22-50	1694
66. LISANN, I., Geometrical Instruments	4-6-50	3-22-50	1004
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-24-50	5-20-50	1442
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	4-20-50	5-13-50	1660
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-7-50	2-25-50	1594
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	2-21-50	3-3-50	1998
DESIGNS: BREHM, G. L.	11-20-50	11-20-50	1903

Total number of trade-mark applications awaiting action (including renewals and republications), 23,254. Date of oldest new application, May 18, 1950; date of oldest amended application, May 18, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 36, 44, 50, 51, 52	5-29-50	5-26-50	6733
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	6-1-50	5-25-50	4162
Renewals (All Classes)	12-16-50	1-17-51	246
Republications (All Classes)	12-26-50	1-17-51	132
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	5-22-50	5-18-50	6260
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	5-18-50	5-18-50	5721

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE KAMLET

No. 5742. Decided December 5, 1950

[— F.2d —; 88 USPQ 106]

1. PATENTABILITY — PROCESS — COMBINATION OF OLD STEPS.

Where a method of producing a known composition consists of a combination of steps, each of which is shown to be old, *Held* that, in the absence of a showing of new, useful, and unobvious results, the method does not denote invention.

2. SAME—PARTICULAR SUBJECT MATTER—MANUFACTURING ALPHA-METHYLGLYCERINE.

Certain claims to a process of manufacturing *Held* unpatentable over the prior art.

APPEAL from Patent Office. Serial No. 631,352.

AFFIRMED.

Leonard L. Kalish (*Arthur N. Klein* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting as unpatentable over the prior art claims 1 to 7 and 9, all the claims in appellant's application for a patent on a process for the "Manufacture of Alpha-Methylglycerine From Butadiene."

In accordance with the motion made by appellant's counsel at the oral argument, the appeal will be dismissed as to claim 9.

Claim 1 is considered illustrative and reads as follows:

1. A process for the manufacture of alpha-methylglycerine which comprises reacting butadiene with a member of the group consisting of hydrogen chloride and hydrogen bromide, thereby to form an equilibrium mixture of 1-halobutene-2 and 2-halobutene-3, hydrolyzing said halobutene mixture to form an equilibrium mixture of alpha-methallyl alcohol and crotyl alcohol, reacting said alcohol mixture with hypochlorous acid to form a mixture of alpha-methylglycerine monochlorhydrins, and hydrolyzing said mixture of monochlorhydrins to form alpha-methylglycerine.

The references relied on are: Essex et al., 1,626,398, Apr. 26, 1927; Meisenburg, 1,725,156, Aug. 20, 1929; Pollack et al., 2,313,767, Mar. 16, 1943; Van de Griendt et al., 2,318,032, May 4, 1943.

Appellant's application comprises a process for the manufacture of alpha-methylglycerine using butadiene as the starting material and comprising four process steps, as follows:

(1) reacting butadiene with a member of the groups consisting of hydrogen chloride and hydrogen bromide to form a mixture of halobutenes;

(2) hydrolyzing the halobutenes formed in step (1) to form a mixture of alpha-methallyl alcohol and crotyl alcohol;

(3) reacting the alpha-methallyl alcohol and the crotyl alcohol mixture formed in step (2) with hypochlorous acid to form a mixture of monochlorhydrins, and

(4) hydrolyzing the mixture of monochlorhydrins to alpha-methylglycerine.

The Meisenburg patent discloses the hydrobromination of butadiene to 2-bromobutene-3 (crotyl bromide) by reacting butadiene-1,3 with bromine in a glacial acetic acid solvent which is essentially the same as that described in appellant's application and which is step (1) above mentioned.

The patent to Pollack et al. discloses hydrolysis of halobutenes to form a mixture of alcohols which is essentially the same as that described in appellant's application and which is step (2) above mentioned.

The patent to Essex et al. discloses that allyl alcohol is added to a sodium hypochlorite solution to produce glycerine monochlorhydrin and that the monochlorhydrin so produced is hydrolyzed to glycerine, which is essentially the same as disclosed in appellant's application and which is shown in steps (3) and (4) above mentioned.

The patent to Van de Griendt et al. discloses hydrolysis of alpha-methyl glycerine monochlorhydrin which is essentially the same as appellant's step (4).

The Primary Examiner rejected claims 1–7 as lacking invention over Meisenburg in view of Pollack et al., Essex et al., and Van de Griendt et al., and also as being aggregative.

Appellant contends that the Meisenburg patent does not disclose the first step in appellant's application, and in his brief states: "Thus, *Meisenburg 1,725,156* does *not* disclose the formation of an *equilibrium mixture* of 1-halobutene-2 and 2-halobutene-3 (which characterizes the first step of applicant's claimed process) and, instead, Meisenburg's process results in production of only crotyl bromide." [Italics quoted.] However, the conditions of reaction of Meisenburg are essentially the same as disclosed in appellant's application, and if appellant obtains a mixture of halobutenes, the production of such a mixture is inherent in the Meisenburg process.

Appellant contends that the Pollack et al. patent "discloses the formation of *a single unsaturated*

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alcohol from a single unsaturated halide, whereas the second step of applicant's claimed process consists of the *simultaneous* formation of crotyl alcohol *and* alpha-methallyl alcohol from an equilibrium *mixture* of 2-halobutene-3 *and* 1-halobutene-2." [Italics quoted.] Pollack et al., however, teach that unsaturated alcohols may be produced by hydrolyzing in an aqueous alkaline medium the halide corresponding to the alcohol desired, and they further state that "the invention may be applied to the treatment of halide mixtures containing allyl type halides." The patent clearly discloses that crotyl halide, allyl halide, and methallyl halide may be treated to form the corresponding alcohol.

Appellant contends that Essex et al. merely disclose the conversion of allyl alcohol to glycerine monochlorhydrin; that by appellant's process three specifically different monochlorhydrins are formed; also, that "*Van de Griendt et al.* do not teach the simultaneous (or other) conversion of the *three* monochlorhydrins to alpha-methylglycerine (which is the fourth step of applicant's process) * * *." [Italics quoted.] Essex et al., however, teach that allyl alcohol is added to a sodium hypochlorite solution to produce glycerine monochlorhydrin and that the "monochlorhydrin produced is hydrolyzed to glycerine by boiling the product under a reflux condenser." That patent also teaches that the disclosed process will produce polyhydroxy compounds from compounds containing at least one pair of doubly bonded carbon atoms and an oxygen containing substituent. Van de Griendt et al., moreover, disclose the conversion of glycerine halohydrins to glycerine by hydrolysis in aqueous alkaline solutions and further teach that mixtures of halohydrins or polyhalides may be hydrolyzed, that it is unnecessary "that the halohydrins or the polyhalides be in a substantially pure state," and that crude solutions obtained from the manufacture of halohydrins may be used.

It is therefore thought that the four steps disclosed in appellant's application are sufficiently disclosed in the cited references.

In rejecting claims 1–7 as lacking invention over Meisenburg in view of Pollack et al., Essex et al., and Van de Griendt et al., the Examiner stated: "Each of the claims sets forth steps (1), (2), (3) and (4) in sequence. * * * In each individual step the preparation of the feed material is inherent in the reference showing that step, and no invention is seen in starting with the same feed material for that step, such feed material being prepared by a method which is old in the reference disclosing the next preceding step. In other words, each reference in turn showing the claimed method of preparing the feed for the next succeeding step, no invention is seen in conducting these preparations methods or processes in sequence."

It is, of course, well established that a new combination of old elements cooperating in a new, useful, and unobvious manner to produce an improved result is patentable. *In re Moore*, 37 CCPA (Patents) 1045, 181 F.2d 1014, 86 USPQ 88, 638 O. G. 965, and cases there cited. But not all new combinations are patentable combinations. "Especially in chemical and electrical experiments happy solutions may be reached by testing out variants reached merely by permutations of old elements." *Ruben Condenser Co.* v. *Copeland Refrigeration Corp.*, 85 F.2d 537, 541 (2d Cir.), cert. den., 300 U. S. 665. Invention, it is true, may be required in combining features taken from disclosures of prior art patents so as to produce a useful result; it is equally well settled that there may be a rejection of claims based on a combination of several patents, taking specific features from each in making the rejection. *In re Delancey*, 37 CCPA (Patents) 760, 177 F.2d 377, 83 USPQ 388, 633 O. G. 5. It is not necessary that a complete disclosure be contained in a single reference. *In re Streckert et al.*, 35 CCPA (Patents) 1148, 167 F.2d 1010, 77 USPQ 592, 613 O. G. 1085; *In re Horney*, 34 CCPA (Patents) 968, 161 F.2d 271, 73 USPQ 293, 603 O. G. 181; *In re Milne*, 31 CCPA (Patents) 918, 140 F.2d 1003, 60 USPQ 559, 563 O. G. 581; *Radtke Patents Corp.* v. *Coe*, 74 U. S. App. D. C. 251, 262, 122 F.2d 937, 948, cert. den. 314 U. S. 695, 535 O. G. 3. Where a number of references suggest doing what applicant has done, there is no invention in carrying out those suggestions. *In re Brenn*, 37 CCPA (Patents) 1086, 182 F.2d 187, 86 USPQ 102, 639 O. G. 1334; *In re Udy*, 36 CCPA (Patents) 911, 173 F.2d 230, 81 USPQ 104, 622 O. G. 310; *In re Herthel*, 33 CCPA (Patents) 1202, 156 F.2d 170, 70 USPQ 234, 592 O. G. 3.

We are impressed by the following statement in the Board's decision:

> It appears to us that reference to the prior art, as illustrated by the Van de Griendt et al. patent, would lead the chemist seeking to produce alpha-methylglycerine to hydrolyze the corresponding alpha-methylglycerine monochlorhydrin and that the patent to Essex would show him that the latter could be produced from a corresponding allyl alcohol by treatment with sodium hypochlorite. The patent to Pollack et al. teaches how to produce the allyl alcohols by hydrolysis of the corresponding chlorides and the patent to Meisenburg teaches the production of crotyl bromide from butadiene.
>
> To make the process complete the flow sheet could be further extended by including the prior art steps necessary for the production of butadiene and for the production of hypochlorous acid, which are used in the claimed process of producing an alpha-methylglycerine. We do not find any invention in merely selecting the particular four steps claimed from among those of the complete process which would include the production of these materials not disclosed by applicant and this is confirmative of the correctness of the position taken by the Primary Examiner.

[1] The end product of appellant's method is alpha-methylglycerine, which is old. Appellant has combined four steps in his process, each of which steps is old. Appellant's process does not produce new, useful, and unobvious results but rather only that which would be obvious and wholly within the skill of the art, and does not denote invention.

[2] From what has been said, it is apparent that the decision of the Board should be sustained, and it is therefore unnecessary to discuss other questions presented.

The appeal is dismissed as to claim 9, and the decision of the Board of Appeals as to claims 1 to 7 is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,009,361, J. Lawson, Knitted fabric, C. C. A. 1st Cir., Doc. 4485, *Scott & Williams, Inc.* v. *Lasticnit Co.* Judgment of district court affirmed (notice Jan. 23, 1951).

2,086,594. (See 2,179,569.)

2,089,209, Keuffel & Gothman, Measuring tape, D. C., S. D. N. Y., Doc. 49/472, *Keuffel & Esser Co.* v. *The Stanley Works.* Consent judgment holding infringement (notice Jan. 25, 1951).

2,128,239, E. T. Ferngren, Process of molding plastic materials; 2,175,053, same, Process of and apparatus for working organic plastic material and producing containers therefrom; 2,230,188, same, Process of and apparatus for forming articles of plastic material; 2,349,177, W. H. Kopitke, Method of and apparatus for making blown plastic articles, filed Feb. 20, 1950, D. C., N. D. Ill. (Chicago), Doc. 50c234, *Plax Corp.* v. *Elmer E. Mills Corp.*

2,175,053. (See 2,128,239.)

2,179,569, H. E. Young, Motor control; 2,086,594, same, Motor control apparatus, D. C., N. D. Ill. (Chicago), Doc. 50c304, *H. E. Young et al.* v. *General Electric Co.* Claims 1 and 2 of 2,179,569 held invalid; claims 9, 12 to 21 incl., 25, and 26 of 2,086,594 held invalid; complaint dismissed Jan. 22, 1951.

2,230,188. (See 2,128,239.)

2,240,906. (See Re. 22,900.)

2,264,194, J. V. Wuestman, Advertising pencil, pen, or the like, C. C. A., 2d Cir. (New York), Doc. 21855, *Secretary Pen Co., Inc., et al.* v. *Everlast Pen Corp.* Decree reversed in part; affirmed in part (notice Jan. 29, 1951).

2,277,050, Reed & Ryan, Infuser, appeal filed Jan. 4, 1951, C. C. A., 1st Cir. (Boston), Doc. 4547, *The Kendall Co.* v. *Tetley Tea Co., Inc.*

2,349,177. (See 2,128,239.)

2,377,261, L. F. Norris, Milk dispenser, D. C. Minn. (Minneapolis), Doc. 3182, *Norris Dispensers, Inc.* v. *Ohleen Dairy Co.* Judgment dismissing complaint and supplemental complaint Dec. 30, 1950; appeal from this judgment Jan. 27, 1951.

2,397,393, S. Wetterhahn, Wallet, filed Jan. 29, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. 11473, *S. Wetterhahn* v. *Eko Co.*

2,417,383, J. L. Switzer, Coated fluorescent fabric; 2,417,384, R. C. Switzer, Daylight fluorescent signaling and display device; 2,475,529, Switzer & Switzer, Fluorescent device and method of making same, D. C., S. D. N. Y., Doc. 56/79, *Dazian's, Inc.* v. *Switzer Bros., Inc., et al.* Dismissed Jan. 25, 1951.

2,417,384. (See 2,417,383.)

2,437,580, W. W. Wilson, Latch for sofa bed hinges, D. C., N. D. Ill. (Chicago), Doc. 48c1363, *U. S. Bedding Co.* v. *The Seng Co.* Complaint dismissed for want of equity; claims 7, 9, 10, 12, 16, and 17 held invalid Jan. 25, 1951.

2,441,546, H. Rifas, Necktie trick contrivance, D. C., S. D. N. Y., Doc. 49/405, *L. Tannen* v. *The Franco-American Novelty Co.* Consent judgment; defendant enjoined Jan. 23, 1951.

2,475,529. (See 2,417,383.)

2,478,533, H. I. Huff, Water-cooling attachment for projection arc lamps; 2,495,970, same, Carbon cooler for arc lamps, filed Jan. 23, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12801–WB, *Hal I. Huff Mfg. Co.* v. *B. F. Shearer Co.*

2,490,715, E. E. Shrader, Corn harvesting mechanism; 2,534,685, same, Corn snapping roll, filed Jan. 30, 1951, D. C. Nebr. (Omaha), Doc. 12/51, *E. E. Shrader et al.* v. *Reed Implement Co.*

2,495,579, Ferris & Klanenik, Jr., Antenna, D. C., E. D. Mich. (Detroit), Doc. 10139, *Hi-Lo TV Antenna Corp.* v. *Mercury Distributors, Inc., et al.* Stipulation and consent judgment for plaintiff (notice Jan. 26, 1951).

2,495,970. (See 2,478,533.)

2,509,525, G. L. Reichhelm, Nesting hassock, filed Jan. 19, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. c11439, *The Hettrick Mfg. Co.* v. *Hassock Mfg. Co., Inc., et al.*

2,534,685. (See 2,490,715.)

2,535,864, H. M. Plehn, Garment; T. M. 527,906, Peter Pan Foundations, Inc., Brassières, filed Jan. 30, 1951, D. C., S. D. N. Y., Doc. 64/39, *H. M. Plehn et al.* v. *Marvelform Bra, Inc.*

Re. 22,900 (2,240,906), C. Harold, Power unit for amusement devices, D. C., N. J. (Newark), Doc. 11267, *J. B. Tigrett et al.* v. *C. H. Cuppet.* Terminated by stipulation of parties (notice Jan. 30, 1951).

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 78,333, R. H. Macy & Co., Men's clothing, filed Jan. 23, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30302, *R. H. Macy & Co., Inc.* v. *G. E. Blum.*

T. M. 402,261, B. Greenberg & Bro., Carpets and rugs, filed Jan. 26, 1951, D. C., S. D. N. Y., Doc. 64/8, *Charm Tred Mills, Inc.* v. *W. T. Grant Co., Inc.*

T. M. 509,850, Artype, Inc., Letters, symbols, colors, etc., filed Jan. 22, 1951, D. C., S. D. N. Y., Doc. 63/338, *Artype, Inc.* v. *Art-Type Service.*

T. M. 527,906. (See 2,535,864.)

NOTICES

International Convention for the Protection of Industrial Property

Adherence of Indonesia to the London 1934 Revision

The Secretary of State has been notified by the Legation of Switzerland that the International Convention for the Protection of Industrial Property as last revised at London in 1934 continued in effect with respect to the Republic of Indonesia after the transfer of sovereignty from the Netherlands on December 27, 1949, and that the Republic of Indonesia desires to be considered a separate party to the Convention as from December 27, 1949.

JOHN A. MARZALL,
Commissioner of Patents.

Feb. 13, 1951.

Notice of Tentative Recordation of a Trade Name

[T. D. 52666]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT

OFFICE OF THE COMMISSIONER OF CUSTOMS

Washington, D. C., Feb. 12, 1951.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"ITALMECCANICA, INC.," owned by Italmeccanica, Inc., a corporation of New York, 147 West 54th Street, Borough of Manhattan, New York, which name is used in connection with the manufacture, distribution, and sale of superchargers. The superchargers are manufactured in Italy.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after March 1, 1951. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Commissioner of Customs.

Registration to Practice

The following list contains the names of all applicants for registration to practice before the United States Patent Office who attained passing grades in the examination of November 20, 1950. Information tending to affect the eligibility of any of said applicants on moral or ethical grounds should be furnished the Commissioner of Patents on or before April 5, 1951.

THOMAS F. MURPHY,
Chairman, Committee on Enrollment.

Feb. 13, 1951.

List of Applicants Who Passed the Examination for Registration to Practice Before the Patent Office Held November 20, 1950

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Disclaimer

2,477,511.—*David M. Comb*, Belmont, Calif. LIQUID LEVEL CONTROL. Patent dated July 26, 1949. Disclaimer filed Feb. 5, 1951, by the inventor.

Hereby enters this disclaimer to claim 3 but does not in any way disclaim the substance of claim 3 when incorporated with the elements set forth in claim 4 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,522,839. Projector-Drawing Apparatus. Patented Sept. 19, 1950. Apparatus has a lower table for carrying drawings to be reproduced, an upper parallel transparent table for drawing paper, and a vertically adjustable lens system between the tables. The upper table may be moved in a plane substantially parallel to the lower table and tilted to various positions. The lower table may be vertically adjusted and moved in any direction in a horizontal plane relative to upper table. The tables have independent adjusting means. (Owner) Algemeen Technischen Industrieel Bureau de Erven Jac. W. Rijns. Correspondence to W. P. M. M. van Gennip, 49 Bezuidenhout, The Hague, Netherlands. Group 39—11—54. Reg. No. 40,101.

Pat. 2,531,946. Surfboard. Patented Nov. 28, 1950. Hollow watertight surfboard of light metal is internally reinforced without sacrificing buoyancy. Comprises a hull formed of metal plates with a corrugated reinforcing frame inside the hull. Deck plate may be formed with reinforcing ribs or corrugations extending upwardly through a slotted rubber mat covering deck. Modification shown. (Owner) George B. D. Parker, Chinquapin, N. C. Groups 34—41; 39—49. Reg. No. 40,102.

Pat. 2,532,778. Shopping Bag. Patented Dec. 5, 1950. Collapsible rectangular shopping bag of pliable fabric has carrying straps secured to its upper edges and a reversible external pocket attached to one side, the pocket being approximately one-eighth the size of the bag. After bag is collapsed, it is folded crosswise, then lengthwise, and tucked into pocket as pocket is turned inside out, to provide a clean compact package suitable for carrying. (Owner) Louis Mintzes, 7 Keane Walk, Island Park, N. Y. Groups 23—94; 26—59; 39—81. Reg. No. 40,103.

Pat. 2,529,434. Shredded Metal Holder. Patented Nov. 7, 1950. Detachable holder for steel wool or other shredded metals. A strip of spring metal bent to inverted U-shape has side flanges with prongs on underside to engage the steel wool. By squeezing the body, a latch on one side enters opening in other side of body and holds the device in constricted position. To release holder, projection is pushed upwardly. (Owner) Arnold W. Walker, Box 37, Holder, Fla. Groups 33—73; 39—81; 40. Reg. No. 40,104.

Pat. 2,522,464. Heat Control Device. Patented Sept. 12, 1950. Thermostatic oil flow control for space heaters automatically cuts off the flow of oil when the room temperature reaches a predetermined point. A box-like housing has an open bottom connected to a conventional oil-flow valve. A heat-responsive element has a thermostat arm rigid with a bar journaled in the housing. A pivoted bar transversely of housing supports an actuator arm and its valve contact arm. A control bar has a central U-shaped crank under the thermostat arm to abut the actuator arm. Arm at outer edge of control bar coincides with indicia on outside of housing. When control arm is adjusted with the indicia, the crank will engage the actuator arm to regulate the control of the oil flow valve. (Owner) Charles C. Prince, 207 East Sunrise Ave., Thomasville, N. C. Group 33—63—66. Reg. No. 40,105.

Pat. 2,531,940. Fishing Float. Patented Nov. 28, 1950. This float is to be used in trolling from a boat anchored in a current. A long narrow box has in one end a pulley which, when turned, moves across from side to side on a long screw until it is stopped by a nut that can be spun by the finger to any place along the screw, thereby regulating the depth. The rest of the box is sealed to form an air chamber. The various positions assumed by the float indicate when it is running in deep water, when the hook begins to drag bottom, and when the sinker runs aground to stop further movement. (Owner) Jack J. Kirschman, 223 Oriental Ave., Atlantic City, N. J. Group 39—49. Reg. No. 40,106.

Pat. 2,532,782. Valved Paste Ejector. Patented Dec. 5, 1950. Shoe brush has a sectional back (or handle) with the main polishing brush extending full length on underside. An opening is provided in end of back for a removable casing containing shoe-shining paste. Extending from sides of back is an ejector for supplying paste to a small brush applicator at end of device beneath the opening, and a cut-off slide in handle severs the extruded paste. A storage compartment is provided in other end of back. (Owner) Dana Peterson, 115½ West Ivy St., San Diego, Calif. Group 39—22. Reg. No. 40,107.

Pat. 2,526,317. Lawn Trimmer. Patented Oct. 17, 1950. Combination lawn mower and edge trimmer. A circular edge trimmer is pivotally attached to the mower wheel axle and adjustably attached to mower handle. A tapered roller is journaled in mower frame so the mower may travel at two levels. By rolling the mower on the larger part of the roller, it will operate in the usual manner for cutting a lawn. To use the trimmer, the mower is rolled on the smaller part of the roller. (Owner) Yuriko K. Arase, 2237 Barry Ave., West Los Angeles 64, Calif. Group 35—22. Reg. No. 40,108.

Pat. 2,510,901. Chimney Top. Patented June 6, 1950. A chimney top is formed to increase the force of the draft and assist in drawing smoke and gases from the chimney by induction, and at the same time prevent backdraft of air in the chimney. A cylindrical tile has vents in lower portion and an inwardly extending base to be mounted on a chimney. An inner pipe shaped like the frustum of a cone has a cone-shaped top which is spaced therefrom by connecting strips. The top has an outwardly extending flange at lower end which deflects wind entering the tile out through the open top. This creates a vacuum in upper portion of tile, and smoke and gases from the chimney will escape through the open space. (Owner) Robert B. Parker, 6619 Alamo, Clayton 5, Mo. Group 32—59. Reg. No. 40,109.

Pat. 2,510,116. Electric Stove. Patented June 6, 1950. Portable electric stove has a series of interfitting and compactly assembled units capable of being arranged in different ways to form a cooker, broiler, or oven. A housing for a heating element occupies the topmost position when used as an open burner. The housing has inwardly offset portions at top and bottom sides to removably receive a second closed housing which may be used as an oven by placing the heater housing at bottom of device. A removable cross plate is provided for the exposed face of either housing and may be used as a pan. All three units may be rearranged, and each has a pair of knobs for easy handling. (Owner) Mandel Kaplan, % Mrs. A. Erber, 1311 East 59th St., Terrace, Kansas City 4, Mo. Group 36—21. Reg. No. 40,110.

Pat. 2,534,512. Grapple. Patented Dec. 19, 1950. Jar- or bottle-grasping and lifting tool has two pairs of arms, one longer than the other, joined at lower ends by a curved jaw portion. The longer arms are bent intermediate their ends above the jaw to form an obtuse angle and have a pivotal connection with the shorter arms. The jaws are swung apart to grasp a jar. When the device is raised to lift a jar, the weight of the object will keep the jaws closed. Upper ends of longer arms are joined to form a handle. May be made of wire or cast material. (Owner) William T. Fulton. Correspondence to Smith & Tuck, 734 Central Building, Seattle 4, Wash. Groups 33—49—73; 34—99. Reg. No. 40,111.

Pat. 2,354,539. Scribing Instrument. Patented July 25, 1944. A slotted bar has a scriber mounted at one end for use with a micrometer gauge. A positioning roller and a pair of stabilizing rollers are triangularly arranged on the bar for movably supporting the bar within a hole around which a circular mark is to be made. The rollers are held in the desired position by set screws. The bar is then turned with the rollers in steady engagement with the edge of the hole, and the scriber point produces an accurate line. (Co-owner) Murray Passick, 1758 Sterling Place, Brooklyn, N. Y. Group 35—43. Reg. No. 40,112.

Pat. 2,529,167. Leakproof Oil Filter. Patented Nov. 7, 1950. Oil filter for internal combustion engines has a reservoir adjacent its top edge. The main oil container has a concave bottom and a raised apertured circular portion at center. A perforated drainage pipe passes through the circular portion outwardly of the bottom. A filter over the drainage pipe engages the reservoir, which is covered by a ring gasket. Should the gasket fail to function, the oil enters the reservoir and returns to the engine. (Co-owner) Felix Lewis, 853 Alma St., Memphis, Tenn. Groups 37—22; 38—31. Reg. No. 40,113.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,524,515. Phase-Control Circuit. Patented Oct. 3, 1950. Relates to control apparatus which is sensitive to phase differences between current and voltage in A. C. circuits. May be used in a network comprising a source of alternating voltage and a utilization circuit for the purpose of controlling some elements, in either the source or the circuit, so as to maintain a fixed phase relation between the voltage and the current. Group 36—19—61. Reg. No. 40,114.

Pat. 2,524,539. Insulating Bushing With Flexible Sheath Mounting. Patented Oct. 3, 1950. Lead-in device for transformers or similar electrical apparatus includes a hollow sectional insulator bushing of ceramic material surrounding and spaced from a sheathed portion of a conductive rod extending through the bushing and a flanged collar. The inner ends of the bushing sections are connected by fluid-tight joints to opposite sides of the flange of the collar. The rod and the outer ends of the bushing sections are coupled together by elastic sleeves and fluid-tight joints to prevent the transmission of stresses from the rod to the bushing. Group 36—19—61. Reg. No. 40,115.

Pat. 2,524,555. Oil Thrower for Dynamoelectric Machines. Patented Oct. 3, 1950. Oil thrower for returning lubricant from a rotor of a dynamoelectric machine back to the oil reservoir is integrally formed as a part of the rotor. The end lamination of the rotor (which comprises stacked laminations of magnetic material) is formed with a tubular hub extending into the reservoir so that a flaring rim of the hub will act as an oil thrower. Group 36—19. Reg. No. 40,116.

Re. 23,284. Ultra High Frequency Electric Discharge Device and Cavity Resonator Apparatus Therefor. Reissued Oct. 17, 1950. (Original No. 2,446,017, dated July 27, 1948.) High frequency electronic discharge device for a cavity resonator system features a cylindrical anode and cathode which support a grid between them. The anode and cathode are each surrounded by an insulating cylinder that is hermetically sealed to a disc-like portion that extends from each of the anode and cathode ends, so that the anode and cathode are kept in spaced relation and in alignment. Group 36—61—62. Reg. No. 40,117.

Pat. 2,526,314. Radio Detection and Ranging System Employing Multiple Scan. Patented Oct. 17, 1950. This patent relates to the moving of a radiating antenna in relation to the focal point of a reflector so that a large angular motion of a projected beam may be obtained without decreasing the power of the beam. The radiating element of the system is rotated about two axes, one coinciding with the axis of the reflector and the other displaced from, but generally parallel to that axis. The speed of rotation about the axes is so controlled that multiple types of scanning (conical, spiral, or linear) may be selectively changed without interrupting the operation of the system. Group 36—61—62. Reg. No. 40,118.

Pat. 2,273,764. Electrical Switch. Patented Feb. 17, 1942. Switch embodies a bimetallic strip that controls the capacity of current allowed to pass over a power line. The switch includes a pivoted latch which automatically swings open upon the occurrence of an overload or short circuit. The latch is released by the element or automatically locked when the switch drops to a lowered position. Switch may be manually re-set. Group 36—19. Reg. No. 40,119.

Pat. 2,284,794. Electric Circuits. Patented June 2, 1942. Electric circuit and circuit-interrupting means for use in conjunction with a switch in which the current is decreased immediately preceding and during the circuit operation so that the duty imposed on the switch is reduced. A vibratory switch is connected in series with a saturable reactor that reduces current during the period of interruption. The circuit is arranged to transmit energy between a D. C. circuit and a single phase A. C. circuit and includes a capacitance which is discharged at set times to increase the inductance of the reactor. Modifications. Group 36—19. Reg. No. 40,120.

Pat. 2,411,476. Load-Ratio-Control Circuit. Patented Nov. 19, 1946. Electric locomotive speed control system includes a voltage step-down power transformer having a secondary winding having a series of equally spaced taps and a number of equal voltage traction motor groups each provided with a terminal connected to a different point on the winding. Separate operatively interlocked tap-changers connect each of the motor groups across variable equal portions of the secondary winding by way of different taps so that no tap or tap changer carries more than the current of a single motor group. Groups 36—19; 37—11. Reg. No. 40,121.

The following fourteen patents relate to mercury power plants for generating vapor from a mixture of mercury and sodium or similar substance to operate turbines of ships, locomotives, and the like. Groups 35—11; 37—11—31.

Pat. 1,992,824. Mercury Boiler. Patented Feb. 26, 1935. A liquid-vapor separating device is interposed in the mercury drum of this boiler between the bottom and top of drum to prevent liquid particles from being carried along with the vapor and discharged from drum. Separator may be formed with a series of serpentine vapor passages to intercept the liquid particles entrained in the vapor. Reg. No. 40,122.

Pat. 2,053,127. Method of Manufacturing a Heating Element. Patented Sept. 1, 1936. Provides a method of manufacturing a heating element. A block of steel is subjected to rolling to form a heavy foundation member having a series of spaced parallel walls on one side and a series of projections on opposite side. Adjacent walls are then bent toward each other and their edges united by welding to form tubes. Reg. No. 40,123.

Pat. 2,069,629. Mercury Boiler. Patented Feb. 2, 1937. Interconnected horizontal drums of this boiler are designed to maintain the proportions of a mixture of mercury and another substance (such as sodium) substantially uniform in each drum from one end to the other. Interior of each drum is provided with troughs at different heights above the level of liquid in drum. Heated liquid discharged from heating tubes into drum is deflected into the troughs and caused to flow to opposite ends of drum and also to an adjacent drum. Reg. No. 40,124.

Pat. 2,102,424. Mercury Power Plant. Patented Dec. 14, 1937. Mercury power plant utilizing a mixture of mercury and sodium or similar substance is provided with a condenser inside a casing on top of the boiler to receive exhaust vapor from a turbine and discharge the resultant condensate by gravity into the mercury drum. The mercury or sodium content in the mixture may be varied in accordance with varying load conditions by admitting sodium through a conduit into the upper end of the condenser, or by drawing off part of the mixture through a conduit in the bottom of the boiler and then admitting mercury through a conduit into the upper end of the condenser. Reg. No. 40,125.

Pat. 2,106,589. Boiler Drum. Patented Jan. 25, 1938. Mercury drum to be vertically disposed comprises three axially aligned and interconnected drum sections of different diameters containing separating means to obtain better separation of vapor from the mercury. When mixture of mercury and vapor is discharged into the upper drum section, an arrangement of nozzles causes the mercury to flow in a helical path down the sides of the intermediate drum section until it reaches an arrangement of baffles in the bottom. The baffles slow up the velocity of the mercury and direct it in a vertical path into the lower drum section. Reg. No. 40,126.

Pat. 2,119,376. Supporting Structure. Patented May 31, 1938. Supporting structure for a heavy valve chest (weighing several tons) connected by a conduit to a modern elastic fluid turbine comprises counterweighted lever mechanism that constrains the chest to move in parallelism without tilting during expansion and contraction of the conduit and turbine. Reg. No. 40,127.

Pat. 2,158,856. Mercury Boiler. Patented May 16, 1939. Vertical heating tubes lining the walls of this boiler have upper portions bent inwardly at varying angles to provide intermittent spaces through which products of combustion may escape. The interior of a drum having its lower end connected to the upper end of the tubes may be provided with a pair of spaced cages each having a series of deflecting baffles. When heated mercury and vapor is discharged from the tubes into the bottom of the drum, the cages will separate the liquid from the vapor, and also remove entrained liquid particles from the vapor as it passes into vapor space of drum. Modifications are shown. Reg. No. 40,128.

Pat. 2,160,619. Mercury Boiler. Patented May 30, 1939. In this boiler the up-tubes and the down-tubes are arranged adjacent each other and uniformly exposed to radiant heat to heat mercury flowing through them. A liquid-vapor separator is connected to the upper ends of both sets of tubes to receive heated mercury and vapor from the up-tubes. A second liquid vapor separator is connected to the lower ends of both sets of tubes to receive heated mercury and vapor from the down-tubes. Reg. No. 40,129.

Pat. 2,184,333. Mercury Boiler. Patented Dec. 26, 1939. Mercury boiler is provided with vertical heating tubes lining the walls of the combustion space and upper and lower banks of heating tubes in the convection space below a horizontal drum. Mercury is supplied from the drum through downcomers to the lower ends of the wall tubes and to the lower ends of the banks of tubes. Vertical conduits lining the walls of the convection chamber received heated mercury and vapor from the upper ends of the wall tubes and also from the upper ends of the banks of tubes and discharge it into the drum. Reg. No. 40,130.

Pat. 2,202,835. Mercury Boiler. Patented June 4, 1940. Boiler is provided with vertical heating tubes lining the wall of the combustion chamber and banks of heating tubes in the convection chamber. A horizontal drum is disposed near the lower end of the convection chamber to receive heated mercury and vapor by natural circulation from the upper ends of the wall tubes, and by forced circulation from the lower ends of inverted banks of convection tubes above the drum. Some of the wall tubes have upper portions arranged in groups twisted into spaced ropes extending across the combustion chamber to form slag screens. Reg. No. 40,131.

Pat. 2,228,819. Elastic Fluid Generator. Patented Jan. 14, 1941. Reg. No. 40,132.

Pat. 2,228,938. Elastic Fluid Generator. Patented Jan. 14, 1941. Reg. No. 40,133.

These two patents show mercury boilers wherein vertical heating tubes lining the side walls of the combustion chamber are supported and slidably guided in such a manner that they are free to expand vertically downwardly relative to the side walls of the chamber and remain taut. The bottom of the combustion chamber is secured to headers on the lower ends of the tubes so that it will move vertically with the tubes and relative to the side walls of combustion chamber.

Pat. 2,241,966. Mercury Boiler. Patented May 13, 1941. In this boiler the burners are located in the ceiling of the combustion chamber so that the products of combustion will be directed downwardly to the lower end of the chamber and conducted into the lower end of an upwardly extending convection chamber. A pump forces mercury from a drum downwardly through vertical tubes lining the wall of the combustion chamber and then upwardly through convection tubes lining the wall of convection chamber. The upper ends of some of the convection tubes are connected to the drum, while others discharge into the upper ends of banks of convection tubes having their lower ends connected to the drum. Reg. No. 40,134.

Pat. 2,325,384. Mercury Boiler. Patented July 27, 1943. Mercury boiler consists of a series of opposed boiler units arranged in pairs interconnected at their upper ends, and a single horizontal drum for supplying mercury by forced circulation to the lower ends of heating tubes inside all the units and receiving heated mercury and vapor from the upper ends of the tubes. Each boiler unit consists of lower outwardly inclined section defining a combustion chamber and an upper inwardly inclined section defining a convection chamber. Reg. No. 40,135.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 6, 1951

[VOL. 644. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 513,057. Sue Urth Irwin, doing business as Magic Master Products, Culver City, Calif. Filed Nov. 22, 1946.

MAGIC MASTER

For Culinary Utensils of Wire Mesh—Namely, Vegetable Washing and Drying Baskets, and French Frying Baskets.

Claims use since Jan. 1, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 525,112. Carl H. Schoening, doing business as Metro Manufacturing Company, Long Island City, N. Y. Filed June 28, 1947.



The drawing is lined for green and gold.

For Welding Helmets, Hand Shields, and Welding Goggles.

Claims use since June 15, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 548,068. The Globe Company, Chicago, Ill. Filed Jan. 27, 1948.

GLOBE

For Meat Packing and Processing Equipment—Namely, Barrels, Baskets, Blow Tanks for Holding Sludge or Skimmings, Cages, Cans, Curing Boxes, Gland Storage Cans, Pails, Residue Tanks, Scalding Tanks, Settling Tanks, Soaking Vats, Storage Bins and Tanks, and Tubs.

Claims use since 1921.

Ser. No. 552,476. National Cylinder Gas Company, Chicago, Ill. Filed Mar 19, 1948.



The drawing is lined to indicate black and yellow.

For Electrode Carrying Cases, Sold Empty, and Made of Leather and Metal, Fabric and Metal, or Leather, Fabric and Metal; Welders' Carrying Cases, Sold Empty, and Made Principally of Metal; and Cylinders for Compressed Gases, Made of Metal, and Sold or Rented Empty.

Claims use since November 1946.

Ser. No. 555,506. Independent Pneumatic Tool Company, Chicago, Ill. Filed Apr. 24, 1948.

Thors

Applicant claims ownership of Registrations Nos. 57,742, 97,111, 129,168, 237,202, 385,551, and 388,993.

For Water Tanks; Screw Trays; and Cabinets and Containers for Portable Power Tools and Bench Machines and Parts, Attachments, and Accessories for the Tools and Machines.

Claims use since 1940.

Ser. No. 571,783. Asprey & Company, Limited, London, England. Filed Jan. 7, 1949. (Sec. 2f.)

ASPREY

For Empty Silver Vanity Cases.

Claims use since 1781; and use in commerce among the several States which may lawfully be regulated by Congress since 1927.

Ser. No. 583,601. The Gilman Brothers Company, Gilman, Conn. Filed Aug. 17, 1949.

CELLULINER

For Pre-Shaped Box Liners of Insulating Material.

Claims use since Sept. 23, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 577,562. Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée, Paris, France. Filed Apr. 23, 1949.

CHRISTIAN DIOR

The trade-mark consists of the name "Christian Dior," consent of record in this case. Applicant claims ownership of French Registration No. 369,998, dated Aug. 14, 1946, and United States Registration No. 519,367.

For Handbags and Pocketbooks; and Belts Made From Leather for General Use in Connection With Luggage.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 561,260. O-Cedar Corp'n, Chicago, Ill. Filed July 13, 1948. (Sec. 2f as to "O-Cedar.")

O cedar

The drawing is lined to indicate red. Applicant claims ownership of Registrations Nos. 99,142, 179,862, 189,252, and 500,286.

For Combination Polish and Wax for Furniture, Walls, Floors, and Automobiles.

Claims use since Nov. 1, 1947.

CLASS 5

ADHESIVES

Ser. No. 586,935. National Starch Products Inc., New York, N. Y. Filed Oct. 27, 1949.

DURA-BOND

The word "Bond" is disclaimed.

For Chemically Processed Starch Sold in Dry Form for Use as an Adhesive Particularly in the Manufacture of Corrugated Paper and Paperboard.

Claims use since Sept. 9, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 575,714. Samuel W. Murray, East Pasadena, Calif. Filed Mar. 19, 1949.

SLICK PAD

The word "Pad" is disclaimed.

For Chemically Treated Pad To Be Rubbed Over or Adhered to the Sealing Surface of an Iron of the Type Employed To Heat-Seal Plastics, To Apply Thereto a Chemical Which Prevents the Heated Plastic From Adhering to the Surface of the Iron.

Claims use since May 5, 1948.

Ser. No. 577,765. Rubber & Plastics Compound Company, Inc., New York, N. Y. Filed Apr. 14, 1949.

NERVA-SEAL

The word "Seal" is disclaimed.

For Copolymer Compound Used as an Additive to Asphalt, Which Imparts to the Asphalt Strengthening Qualities.

Claims use since Jan. 21, 1948.

Ser. No. 582,638. King Organic Chemicals, Incorporated, Norwalk, Conn. Filed July 28, 1949.

K-Stay

For Plasticizers for Use in Plastic Compositions.

Claims use since July 19, 1949.

Ser. No. 584,320. American Alcolac Corporation, New York, N. Y. Filed Sept. 7, 1949.

SIPOL

For Fatty Alcohols Particularly Lauryl Alcohols.

Claims use since Sept. 3, 1949.

Ser. No. 587,924. Allied Chemical & Dye Corporation, New York, N. Y. Filed Nov. 17, 1949.

PLASTO

For Synthetic Organic Coloring Material.

Claims use since May 14, 1940.

Ser. No. 588,867. E. J. Lavino and Company, Philadelphia, Pa. Filed Dec. 6, 1949.

DELLITE

For Chemically Prepared Manganese Dioxide That Is Sold to Manufacturers of Dry Cells Who Use It in the Preparation of Batteries.

Claims use since Sept. 26, 1949.

Ser. No. 592,155. Moth-King Corporation, Detroit, Mich. Filed Feb. 8, 1950.

Moth-King

The word "Moth" is disclaimed.

For Insecticides—Namely, Paradichlorobenzene and Similar Compounds, in Crystal, Powder, or Liquid Form.

Claims use since Aug. 25, 1948.

Ser. No. 593,426. A. M. Meincke & Son, Inc., Chicago, Ill. Filed Mar. 4, 1950.

POLA-JEL

The word "Jel" is disclaimed. Applicant claims ownership of Registration No. 519,791.

For Chemically Treated Starch in Powdered Form for Use in the Manufacture of Paper and as a Binder Adhesive Which Is Added to Oil Drilling Mud.

Claims use since Jan. 16, 1950.

Ser. No. 595,614. Nassau Chemicals, Inc., San Francisco, Calif. Filed Apr. 12, 1950.

NC 311

For Insecticides, Fungicide, and Chemical Moth Killer.

Claims use since Dec. 30, 1949.

Ser. No. 595,715. H. J. Enthoven & Sons Limited, London, England. Filed Apr. 14, 1950.

TRICENE

Applicant claims ownership of Great Britain and Northern Ireland Registration No. 636,192, dated Apr. 4, 1945.

For Soldering Fluxes.

Ser. No. 595,857. Southern Entomological Company, West Palm Beach, Fla. Filed Apr. 17, 1950.

HOLIDAY

For Insecticides and Larvicides.

Claims use since Nov. 30, 1949.

Ser. No. 596,450. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HIDACID

For Dyes and Dyestuffs.

Claims use since Jan. 30, 1950.

Ser. No. 596,451. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HIDACO

For Dyes and Dyestuffs.

Claims use since Jan. 30, 1950.

Ser. No. 596,452. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HILTAMINE

For Dyes and Dyestuffs.

Claims use since Mar. 9, 1950.

Ser. No. 596,453. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HILTONAPHTHOL

For Dyes and Dyestuffs.
Claims use since Mar. 16, 1950.

Ser. No. 596,454. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HILTONIL

For Dyes and Dyestuffs.
Claims use since Feb. 13, 1950.

Ser. No. 596,455. Sterling Drug Inc., Wilmington, Del., and New York, N. Y. Filed Apr. 27, 1950.

HILTOSAL

For Dyes and Dyestuffs.
Claims use since Feb. 13, 1950.

Ser. No. 596,566. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Apr. 29, 1950.

DEKTOMAT

Applicant claims ownership of Registration No. 417,214.
For Photographic Chemicals—Namely, Photographic Developer, Replenisher Therefor, and Starting Solution.
Claims use since Mar. 28, 1950.

CLASS 10

FERTILIZERS

Ser. No. 596,307. Thurston Chemical Company, Joplin, Mo. Filed Apr. 25, 1950.



The words "Brand" and "Fertilizer" are disclaimed.
Applicant claims ownership of Registration No. 522,074.
For Superphosphate and Mixed Grades of Commercial Fertilizer.
Claims use since Apr. 29, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 582,839. Interchemical Corporation, New York, N. Y. Filed Aug. 2, 1949.

Wolf Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 265,400.
For Carbon Paper.
Claims use since Jan. 1, 1929.

Ser. No. 584,250. Polychrome Corporation, Yonkers, N. Y. Filed Aug. 30, 1949.



For Stencil Duplicating Ink, Duplicating Fluid, and Carbon Paper.
Claims use since February 1936.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,082. Federal Enameling & Stamping Co., McKees Rocks, Pa. Original filed, act of 1905, Sept. 14, 1946; amended to application under act of 1946, Principal Register, Sept. 14, 1949. (Sec. 2f.)

VOGUE

For Porcelain Enamel Ware—Namely, Utility Pans, Chambers, Sauce Pans and Lids, Dish Pans, Cooking and Roast Pans, Basins, Double Boilers, Combinets, Cooking Pots, Straight Sided Pots, Tea Kettles, Percolators, Sink Drainers, Pitchers; Cups, Coffee Pots, Drip Coffee Makers, Pudding Pans, and Colanders.
Claims use since Dec. 1, 1935.

Ser. No. 533,058. Fred H. Schaub Engineering Co., Inc., Chicago, Ill. Filed Sept. 2, 1947.

DRAINTROL

For Steam Trap With an Air Vent for Effecting Continuous Air and Condensate Drainage From Steam Processing Machines.
Claims use since Oct. 1, 1941.

Ser. No. 545,682. Aerated Container Corporation, Chicago, Ill. Filed Dec. 30, 1947.

Dairy Whipt

For Nozzle and Valve Dispensing Closure Designed to Dispense Fluid Products Packed With Gas Under Pressure.
Claims use since Dec. 29, 1947.

Ser. No. 548,066. The Globe Company, Chicago, Ill. Filed Jan. 27, 1948.

GLOBE

For Meat Packing and Processing Equipment—Namely, Stuffing, Draw-Off and Flushing Cocks, Hose Nozzles, Lavatories, Steam Traps for Rendering Cooker-Melters, Catch Basins, Fat Reclaiming Basins, Pans, Pitchers, Metal Trays, Cooking Baskets, Meat Hooks, and Meat Skewers.
Claims use since 1921.

Ser. No. 554,350. American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Filed Apr. 12, 1948. (Sec. 2f.)

"PAINTOVR"

For Cabinet Hardware—Namely, Hinges.
Claims use since June 1, 1939.

Ser. No. 570,004. Talon, Inc., Meadville, Pa. Filed Dec. 4, 1948.

WILGRIP

Applicant claims ownership of Registration No. 514,843.
For Slide Fasteners.
Claims use since May 28, 1948.

Ser. No. 572,729. James E. Donaldson, Chicago, Ill. Filed Jan. 25, 1949.

Malibu

For Plastic Towel Holders Designed To Be Affixed to the Wall or Other Suitable Support by Adhesive Means or Fastening Devices.
Claims use since Dec. 15, 1948.

Ser. No. 575,105. The J. H. H. Voss Co., New York, N. Y. Filed Mar. 8, 1949. (Sec. 2f.)

J.H.H. VOSS VALVES

The word "Valves" is disclaimed. The person identified by the name "J. H. H. Voss" is deceased. Applicant claims ownership of Registrations Nos. 296,577 and 384,817.
For Automatic High Speed Ringplate Valves for Air, Ammonia, and Gas Compressors.
Claims use since June 1, 1931.

Ser. No. 575,657. Midwest Automatic Valve Co., Inc., Minneapolis, Minn. Filed Mar. 18, 1949.

MAVCO

The trade-mark comprises the word "Marco" distinctively displayed within a geometric design.
For Automatic Fluid Pressure Actuated Tank Valves.
Claims use since Feb. 15, 1948.

Ser. No. 578,811. Joe Lowe Corporation, New York, N. Y. Filed May 13, 1949.

NIFTEE

Applicant claims ownership of Registration No. 380,213.
For Wooden Handle Sticks for Suckers.
Claims use since Mar. 18, 1949.

Ser. No. 580,325. Rochester Germicide Company, Rochester, N. Y. Filed June 11, 1949.

SANOR

For Dispenser Containing a Liquid Deodorant To Be Affixed to the Wall and Arranged to Discharge the Liquid Deodorant Into the Bowl of Urinals or Toilets.
Claims use since Sept. 7, 1938.

Ser. No. 583,596. Faries Manufacturing Company, Decatur, Ill. Filed Aug. 17, 1949.

FARI-CHROME

The word "Chrome" is disclaimed. Applicant claims ownership of Registration No. 521,388.
For Bathroom Fixtures—Namely, Tumbler Holders, Tooth Brush Holders, Towel Bars, Bathroom Fixture Soap Dishes, Toilet Paper Holders, Bath Grab Rails, Clothes Hooks, and Towel Racks.
Claims use since July 18, 1949.

Ser. No. 589,025. K S M Products, Inc., Merchantville, N. J. Filed Dec. 8, 1949.

KSM

For Electric Arc Welding Studs and Arc Shields for Such Studs.
Claims use since Apr. 25, 1949.

Ser. No. 595,642. Acme Staple Company, Camden, N. J. Filed Apr. 13, 1950. (Sec. 2f.)

STAPLECRAFT

For Staples.
Claims use since June 15, 1934.

Ser. No. 596,642. All-Power Manufacturing Co., Montebello, Calif. Filed May 1, 1950.



The words "Housewares Division" are disclaimed. The stippling represents shading.
For Sink Strainers.
Claims use since Mar. 2, 1948.

Ser. No. 596,812. Sloan Valve Company, Chicago, Ill. Filed May 3, 1950.

ACT-O-MATIC

The representation of the goods is disclaimed.
For Shower Heads.
Claims use since Oct. 6, 1949.

Ser. No. 598,928. The Schaible Company, Cincinnati, Ohio. Filed June 10, 1950.

CINO

For Globe Valves Used in Connection With Steam, Water, Oil, Gas, and Non-Corrosive Liquid Service.
Claims use since June 1, 1919.

Ser. No. 599,456. The Schaible Company, Cincinnati, Ohio. Filed June 20, 1950.

ELITE

For Globe Valves, Angle Valves, Stop Valves, Y Valves, Straightway Check Valves, Horizontal Check Valves, Angle Check Valves, and Swing Check Valves, All Used in Connection With Steam, Water, Oil, Air, and Gas Service.
Claims use since Feb. 1, 1935.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 575,187. A. G. Vorm. O. Brandenberger, Zurich, Switzerland. Filed Mar. 10, 1949.

ORIGINAL PORO

The word "Original" is disclaimed. Applicant claims ownership of Swiss Registration No. 109,945, dated Mar. 28, 1945.
For Metal Alloys, Copper Alloys, and Copper Alloys for Welding Purposes.

Ser. No. 580,481. Hilfinger Corporation, Toledo, Ohio. Filed June 15, 1949.

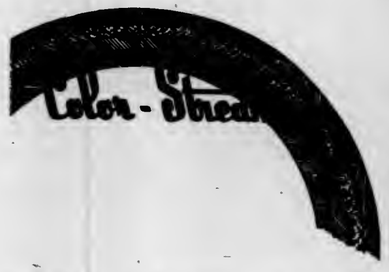


For Zinc and Aluminum Die Castings.
Claims use since Aug. 16, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 533,161. Gilman Paint and Varnish Co., Chattanooga, Tenn. Filed Sept. 3, 1947.



The word "Color" is disclaimed. The cross-hatching represents red, yellow, green, and blue.
For Ready Mixed Paint.
Claims use since Mar. 30, 1945.

Ser. No. 545,280. Red Spot Paint & Varnish Co. Inc., Evansville, Ind. Filed Dec. 23, 1947.

RED SPOT
Rubbercrete

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 268,355, 312,099, 404,102, 415,669, 210,432, and 249,840.
For Paint Enamels for Concrete Floors, Concrete, Brick and Plaster Walls.
Claims use since June 12, 1947.

Ser. No. 549,088. Louis W. Schatz, doing business as General Plastics Manufacturing Company, Tacoma, Wash. Filed Feb. 7, 1948.

GLOZE

For Liquid Plastic Base Finish to Form a Coating, and for a Liquid Chemical for Thinning Liquid Plastic Base Finish and Wax for Removing Plastic Base Finish, Wax, and Grease.
Claims use since Nov. 1, 1947.

Ser. No. 552,728. Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio. Filed Mar. 23, 1948.

ALCO-HYDER

The word "Hyder" is disclaimed.
For Paint Used Primarily as a Base Coat for Interior Painting.
Claims use since May 1944.

Ser. No. 557,778. Sanitek Products, Inc., Los Angeles, Calif. Filed May 25, 1948.

SANI-FLEX

For Floor Varnish.
Claims use since May 1946.

Ser. No. 558,578. National Metal Edge Box Company, Philadelphia, Pa. Filed June 5, 1948.

CELOLUSTRE

Applicant claims ownership of Registration No. 319,121.
For Varnish-Like Coating for Rendering Cardboard and Similar Boxes Stiffer and Impermeable to Moisture.
Claims use since May 24, 1934.

Ser. No. 568,362. Frisch & Co., Inc., New York, N. Y. Filed Nov. 8, 1948.

FRISCO

For Housepaint, Dry and Mixed Paints, Paint Enamel, Lacquers, and Varnishes.
Claims use since Sept. 13, 1948.

Ser. No. 571,340. Michigan Chrome & Chemical Company, Detroit, Mich. Filed Dec. 30, 1948.

MICCROSOL

Applicant claims ownership of Registrations Nos. 386,536, 394,559, 429,387, and 434,691.
For Plastic Electrolytic Protective Coatings for Plating Tanks and Racks.
Claims use since Mar. 26, 1948.

Ser. No. 572,953. Duralac Chemical Corporation, Newark, N. J. Filed Jan. 28, 1949.

POLY-NAM

For Synthetic Resin Enamel Paint for Metal, Wood, and Plastics; Lacquers and Varnishes.
Claims use since Dec. 1, 1948.

Ser. No. 573,532. Day-Tek, Inc., Daytona Beach, Fla. Filed Feb. 9, 1949.

SCREENTEK

For Anti-Corrosive and Insecticidal Paint for the Protection of Screen Wire.
Claims use since March 1948.

Ser. No. 574,193. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Feb. 21, 1949.



Applicant claims ownership of Registration No. 405,748.
For Lacquer, Bowling Alley Lacquer, Lacquer Thinner, Bowling Alley Approach Finish in the Nature of a Lacquer, Bowling Alley Conditioner in the Nature of an Oil Coating Composition, and Bowling Alley Base Coat in the Nature of a Lacquer.
Claims use since Mar. 1, 1943.

Ser. No. 575,182. American Coatings Corp., Brooklyn, N. Y. Filed Mar. 10, 1949.

Paxon

For Exterior and Interior House Paints, Enamels, Exterior and Interior Spar Varnish, Cement and Stucco Paint, Red Lead, and Aluminum Paint.
Claims use since Jan. 1, 1949.

Ser. No. 586,041. The Gambrills Company, Inc., Gambrills, Md. Filed Oct. 7, 1949.

TEX-BLOX

The word "Blox" is disclaimed.
For Masonry Paint.
Claims use since June 13, 1949.

Ser. No. 594,476. H. Kohnstamm & Co., Inc., New York, N. Y. Filed Mar. 23, 1950.

MONOFAST

Applicant claims ownership of Registration No. 530,628.
For Pigment Colors for Paints.
Claims use since Feb. 1, 1941.

Ser. No. 594,530. Eagle Paint & Varnish Works, Inc., Long Island City, N. Y. Filed Mar. 24, 1950.

UNICORN GLOSS

The word "Gloss" is disclaimed.
For Gloss Paint and Flat Paint.
Claims use since Dec. 31, 1929.

Ser. No. 594,579. F. O. Pierce Company, Long Island City, N. Y. Filed Mar. 24, 1950.

SYOLEUM

For Pigmented Primer and Sealer for Sealing the Pores of Walls, Ceiling, and Woodwork.
Claims use since Dec. 31, 1890.

Ser. No. 595,223. The Ozark Smelting & Mining Company, Cleveland, Ohio. Filed Apr. 4, 1950.

OZLO

Applicant claims ownership of Registration No. 285,658.
For Paint Pigments—Namely, Leaded Zinc Oxide.
Claims use since 1904.

Ser. No. 595,438. West Disinfecting Company, Long Island City, N. Y. Filed Apr. 7, 1950.

TERRAZEAL

For Liquid Floor Sealer and Finish Lacquer.
Claims use since April 1932.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 594,741. The American Tobacco Company, New York, N. Y. Filed Mar. 28, 1950. (Sec. 2f.)

ARCADIA

For Smoking Tobacco.
Claims use since 1892.

Ser. No. 595,814. The American Tobacco Company, New York, N. Y. Filed Apr. 17, 1950. (Sec. 2f.)

PEERLESS

For Smoking and Chewing Tobacco.
Claims use since 1880.

Ser. No. 595,815. The American Tobacco Company, New York, N. Y. Filed Apr. 17, 1950.

YELLOW TAG

No claim is made to a tag colored yellow.
For Twist Tobacco.
Claims use since Jan. 1, 1900.

Ser. No. 600,307. Jose L. Piedra, Habana, Cuba. Filed July 6, 1950.

JOSE L. PIEDRA

Applicant claims ownership of Cuban Registration No. 77,323, dated Aug. 3, 1949.
For Cigars.

Ser. No. 600,308. Rembrandt Tobacco Corporation (Overseas) Limited, Stellenbosch, Cape Province, Union of South Africa. Filed July 6, 1950.

Rembrandt

For Cigarettes and Cut Tobacco (Pipe Tobacco).
Claims use since June 13, 1945; and use in commerce between the United States and foreign nations which may lawfully be regulated by Congress on Aug. 20, 1948.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,354. Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company. Filed Oct. 2, 1948.

MERCENE

For Preparation for the Prevention and Treatment of Tinea Pedis (Athlete's Foot).
Claims use since Jan. 2, 1937.

Ser. No. 577,100. Clinical Products Limited, Richmond, Surrey, England. Filed Apr. 14, 1949.

ISOBROM

Applicant claims ownership of British Registration No. B. 631,743, dated Sept. 28, 1944.
For Pharmaceutical Preparations of Bromine Compounds Being Sedatives and Hypnotics for Human Use.

Ser. No. 578,630. Royal Pharmacal Corporation, Duquesne, Pa. Filed May 11, 1949. (Sec. 2f.)

RUBINOFF

For Medicinal Mineral Oil.
Claims use since January 1929.

Ser. No. 586,569. Laboratorios Kuba, S. A., Miramar, Habana, Cuba. Filed Oct. 19, 1949.



All wording except the word "Kuba" is disclaimed.
Applicant claims ownership of Cuban Registration No. 63,967, dated Aug. 3, 1942.
For Pharmaceutical, Biological, and Opoterapic Products—Namely, Medicinal Preparations for the Treatment of Parasites in the Human Body and in Animals.

Ser. No. 591,349. Adam Broussard, doing business as Broussard Products Co., Lafayette, La. Filed Jan. 24, 1950.

O-HOUND MAMOU

The word "Mamou" is disclaimed.
For Cough Syrup.
Claims use since 1932.

Ser. No. 594,673. The Tarbonis Company, Cleveland, Ohio. Filed Mar. 25, 1950.

HISTARX

For Combination of a Coal Tar Extract and an Anti-Histamine Incorporated in a Greaseless Base for External Dermatological Use.
Claims use since Mar. 6, 1950.

Ser. No. 596,323. Fred A. Blust, doing business as The Reed Products Company, St. Louis, Mo. Filed Apr. 26, 1950.

inergel

For Medicinal Tablets for the Relief of Constipation Due to Lack of Bulk in Diet.
Claims use since Mar. 23, 1950.

Ser. No. 596,490. Casimir Funk Laboratories, Inc., New York, N. Y. Filed Apr. 28, 1950.

enelone

For Medicinal Preparation for Use in the Treatment and Alleviation of Symptoms Associated With Arthritis and Rheumatic Diseases.
Claims use since Mar. 13, 1950.

Ser. No. 597,053. B. Altman & Co., New York, N. Y. Filed May 8, 1950.

B&A

For Germicides, Vitamin Preparations, and Antiseptic Foot Powder.
Claims use since 1915.

Ser. No. 603,137. Wyeth Incorporated, Philadelphia, Pa. Filed Sept. 2, 1950.

WYDASE

Applicant claims ownership of Registration No. 531,510.
For Hyaluronidase in Injectable Form.
Claims use since Aug. 14, 1950.

Ser. No. 603,471. Wyeth Incorporated, Philadelphia, Pa. Filed Sept. 12, 1950.

SULFOSE

Applicant claims ownership of Registration No. 118,609.
For Triple Sulfonamides in Dosage Form.
Claims use since Sept. 1, 1950.

CLASS 19

VEHICLES

Ser. No. 596,729. International Harvester Company, Chicago, Ill. Filed May 2, 1950.

Schoolmaster

For Buses.
Claims use since Jan. 3, 1950.

Ser. No. 596,799. Peters & Russell, Inc., Springfield, Ohio. Filed May 3, 1950.

GOZINTU

For Automobile Utility Trays.
Claims use since Mar. 9, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 559,541. Protektron Corp., Buffalo, N. Y. Filed June 17, 1948.

PROTEKTRONAIRE

For Ultra-Violet Ray Germ Killing Lamps—Namely, Electrical Fixtures Containing Ultra-Violet Ray Generating Tubes and Having Reflective and Shielding Surfaces To Direct the Rays and To Shield Against Eyeburn.
Claims use since Aug. 15, 1946.

Ser. No. 561,464. Heinemann Electric Company, Trenton, N. J. Filed July 15, 1948.



The abbreviation "Est." and the date "1888" are disclaimed. The cross hatching does not represent a specific color but is an exact representation of the trade-mark as actually used.
For Circuit Breakers.
Claims use since June 1946.

Ser. No. 571,822. Pass & Seymour, Inc., Syracuse, N. Y. Filed Jan. 7, 1949.

P&S

Applicant claims ownership of Registrations Nos. 72,721 and 214,680.
For Electric Lighting and Wiring Fixtures and Parts Thereof—Namely, Lamp Holders, Receptacles and Sockets for Incandescent, Gas Filled and Fluorescent Lamps; Porcelain Lighting Fixtures and Parts Thereof; Socket Shells, Bases, Caps and Parts; Sockets With Switches; Surface, Flush and Cord Outlet Receptacles in Two, Three and Four Wire Types With and Without Locking Features; Attachment Plugs and Caps; Watertight and Weatherproof Receptacles and Connectors; Switches of the Flush, Surface, Pendant, Lock, Canopy, Door-Operated and Socket Types With Tumbler, Push Button, Push-Through, Rocker, Rotary, Mercury and Chain-Pull Actions; Pull Chain and Pull Chain Assemblies; Pendants, Chain Insulators, Balls and Connectors; Pull Cord and Pull Cord Assemblies and Cord Connectors; Rosettes; Cleats; Socket Adapters; Adapter Fittings; Shade Adapters and Shade Holders; Single and Multiple, Unitary and Sectional Flush Wall Plates in Metal and Plastic; Interchangeable Wiring Devices — Namely, Switches, Power Outlets, Pilot and Night Lights, Push Buttons and Cord Outlets for Flush Wiring Where Several Devices Are Received in a Single Gang Wall Box; Supporting Straps or Bridges for Interchangeable or Other Styles of Wiring Devices for Mounting the Same in Wall Boxes, Machine Frames and Panels; Switch, Outlet and Junction Boxes; Box Covers; Box-Rings; Box Cover Switches; Metal and Porcelain Shade Rings; Reflectors and Shades; Push Buttons; Switch Keys; Radio Outlets, Caps and Box Dividers; Lamps; Name Plates for Switches and Push Buttons; Blank and Knockout Inserts; Surface Wiring Devices Combining the Features of Wall Box With Switch, Outlet, Lamp Receptacle and Rosette for Metallic and Non-Metallic Cables for Wiring With Exposed Conductors in Basements, Barns, Garages and Similar Buildings; Fan Hanger Outlets Combining Fan Support and Power Outlet; Clock Hanger Outlets Combining Clock Hanger and Power Outlet; Fluorescent Lamp Starters and Starter Sockets; Vitreous and Ceramic Lamp Shades; Ready Wired Socket Streamers; Porcelain Primary Fuse Blocks and Cutouts; Glassware for Porcelain Fixtures; Conduit Hangers; Insulating Bushings for Metal Socket Caps and Flush Plates; Pilot and Night Lights; Conductor Cord Connectors; and Parts Thereof.
Claims use since Jan. 1, 1892.

Ser. No. 571,972. I-T-E Circuit Breaker Company, Philadelphia, Pa. Filed Jan. 11, 1949.



The term "Lite" and the shape or representation of the name plate are disclaimed. Applicant claims ownership of Registration No. 150,785.
For Circuit Breakers.
Claims use since Oct. 21, 1947.

Ser. No. 572,612. Troop Water Heater Company, Pittsburgh, Pa. Filed Dec. 23, 1948. (Sec. 2f.)

KLEEN-STONE

The word "Stone" is disclaimed.
For Electric Water Heaters.
Claims use since 1937.

Ser. No. 572,916. Pass & Seymour, Inc., Syracuse, N. Y. Filed Jan. 27, 1949.

P & S

Applicant claims ownership of Registrations Nos. 72,721 and 214,680.
For Electric Lighting and Wiring Fixtures and Parts Thereof—Namely, Lamp Holders, Receptacles, and Sockets for Incandescent, Gas Filled, and Fluorescent Lamps; Porcelain Lighting Fixtures and Parts Thereof; Socket Shells, Bases, Caps, and Parts; Sockets With Switches; Surface, Flush, and Cord Outlet Receptacles in Two, Three, and Four Wire Types With and Without Locking Features; Attachment Plugs and Caps; Watertight and Weatherproof Receptacles and Connectors; Switches of the Flush, Surface, Pendant, Lock, Canopy, Door-Operated, and Socket Types With Tumbler, Push Button, Push-Through, Rocker, Rotary, Mercury, and Chain-Pull Actions; Pull Chain and Pull Chain Assemblies; Pendants, Chain Insulators, Balls, and Connectors; Pull Cord and Pull Cord Assemblies and Cord Connectors; Rosettes; Cleats; Socket Adapters; Adapter Fittings; Shade Adapters and Shade Holders; Single and Multiple, Unitary and Sectional Flush Wall Plates in Metal and Plastic; Interchangeable Wiring Devices—Namely, Switches, Power Outlets, Pilot and Night Lights, Push Buttons and Cord Outlets for Flush Wiring Where Several Devices Are Received in a Single Gang Wall Box; Supporting Straps or Bridges for Interchangeable or Other Styles of Wiring Devices for Mounting the Same in Wall Boxes, Machine Frames, and Panels; Switch, Outlet, and Junction Boxes; Box Covers; Box-Rings; Box Cover Switches; Metal and Porcelain Shade Rings; Reflectors and Shades; Push Buttons; Switch Keys; Radio Outlets, Caps and Box Dividers; Lamps; Name Plates for Switches and Push Buttons; Blank and Knockout Inserts; Surface Wiring Devices Combining the Features of Wall Box With Switch, Outlet, Lamp Receptacle, and Rosette for Metallic and Non-Metallic Cables for Wiring With Exposed Conductors in Basements, Barns, Garages, and Similar Buildings; Fan Hanger Outlets Combining Fan Support and Power Outlet; Clock, Hanger Outlets Combining Clock Hanger and Power Outlet; Fluorescent Lamp Starters and Starter Sockets; Vitreous and Ceramic Lamp Shades; Ready Wired Socket Streamers; Porcelain Primary Fuse Blocks and Cutouts; Glassware for Porcelain Fixtures; Conduit Hangers; Insulating Bushings for Metal Socket Caps and Flush Plates; Pilot and Night Lights; Conductor Cord Connectors; and Parts Thereof.
Claims use since July 1, 1948.

Ser. No. 574,204. Caterpillar Tractor Co., Peoria, Ill. Filed Feb. 21, 1949.

CAT

Applicant claims ownership of Registration No. 504,829.
For Electric Generators and Diesel Electric Generator Sets, and Parts Furnished With Said Products.
Claims use since Dec. 9, 1948.

Ser. No. 583,934. Ideal Industries, Inc., Sycamore, Ill. Filed Aug. 24, 1949.

IDEAL

For Electrical Apparatus—Namely, Commutator Cement, Adjustable Growlers Comprising Devices for Testing Motor Armatures or Stators To Determine the Presence of Short Turns, Electric Brazing Units, Electric Soldering Irons Comprising Low-Voltage Soldering Irons Using High-Resistance Electrodes in Intimate Contact With the Material To Be Soldered, Foot Switches, Transformers, Cable Connectors, Hot Blade Strippers Comprising Electrically Heated Blades for Removing the Insulation From Electrical Conductors, Fuse Clip Clamps, Fuse Reducers, Wire Connectors, Demagnetizers, and Magnetic Chucks.
Claims use since June 1, 1946.

Ser. No. 585,716. Operadio Manufacturing Co., St. Charles, Ill. Filed Oct. 3, 1949.

Du Kane

For Electrical Apparatus—Namely, Loud Speakers, Exponential Horns and Baffles Therefor, Microphones, Amplifiers, Public Address Systems Consisting of Microphones, Speakers, Amplifiers and Interconnecting Circuits Therefor and Parts for Such Public Address Systems, Radio Receivers, Electric Phonographs, Magnetic Sound Recorders and Reproducers and Parts Therefor, Interoffice Telephonic Communication Apparatus, Including Microphones, Speakers, Amplifiers and Interconnecting Circuits Therefor and Parts for Such Interoffice Telephonic Apparatus.
Claims use since 1939.

Ser. No. 586,646. National Steel Construction Co., Seattle, Wash. Filed Oct. 21, 1949.

Doublex

For Automatic Electric Water Heaters.
Claims use since Sept. 1, 1949.

Ser. No. 591,389. Webster Electric Company, Racine, Wis. Filed Jan. 24, 1950.



Applicant claims ownership of Registration No. 433,517.

For Audio Frequency Amplifiers Comprising Assembled Units for Amplifying Electric Signals and Including Audio Frequency Transformers, Power Transformers and Choke Coils; Pick-Up Tone Arms for Electric Phonographs; Electrical Phonograph Pick-Ups; High Voltage Ignition Transformers; Intercommunicating Sound Amplifying and Transmitting Systems and Parts Thereof Comprising Speakers, Amplifiers, Microphones, Interconnecting Circuits, and Energising Devices Whereby Conversation at Spaced Points May Be Heard at Such Points; Sound Production Equipment Comprising a Suitable Housing and Electric Amplifier, One or More Electric Loud Speakers, an Electric Phonograph Including Drive Means, Turn Table and Pick-Up, a Microphone and Suitable Controlling Devices Whereby Music or Other Sound May Be Reproduced and/or Amplified; One Way Sound Distribution Systems; and Electric Magnetic Sound Recorder-Reproducers.

Claims use since July 1, 1932.

Ser. No. 593,037. Mycalex Corporation of America, Clifton, N. J. Filed Dec. 10, 1949.

410X

For Molded Electrical Insulating Parts of Glass Bonded Mica.

Claims use since May 27, 1949.

Ser. No. 594,808. Raybestos-Manhattan, Inc., Passaic, N. J. Filed Mar. 28, 1950.

Novabestos

For Electrical Insulating Material, in Tape and Sheet Form Composed Principally of Asbestos.

Claims use since Feb. 9, 1950.

Ser. No. 598,726. The Hearst Corporation, New York, N. Y. Filed June 7, 1950.



For Facsimile Transmitting and Receiving Apparatus.

Claims use since April 1936.

Ser. No. 599,015. Radio Corporation of America, New York, N. Y. Filed June 13, 1950.

VICTROLA

Applicant claims ownership of Registrations Nos. 193,825 and 385,751.

For Television Sets; Television and Radio Receiver Set Combinations; and Television-Radio Receiver-Record Player Combinations.

Claims use since April 1947.

Ser. No. 599,016. Radio Corporation of America, New York, N. Y. Filed June 13, 1950.

VICTOR

Applicant claims ownership of Registration No. 210,122.

For Television Sets, Television and Radio Receiver Set Combinations, and Television-Radio Receiver-Record Player Combinations.

Claims use since 1946.

Ser. No. 599,017. Radio Corporation of America, New York, N. Y. Filed June 13, 1950.



Applicant claims ownership of Registration No. 195,475.

For Television Sets, Television and Radio Receiver Set Combinations, and Television-Radio Receiver-Record Player Combinations.

Claims use since 1939.

Ser. No. 599,242. The Hearst Corporation, New York, N. Y. Filed June 16, 1950.

SOUND HAP PHOTO

The words "Sound" and "Photo" are disclaimed.

For Facsimile Transmitting and Receiving Apparatus.

Claims use since April 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 568,880. Vaaler & Hagemo, La Crosse, Wis. Filed Nov. 16, 1948.

REPEAT-O-PLANE

The word "Plane" is disclaimed.

For Toy Airplane Ejector Pistols.

Claims use since Nov. 1, 1948.

Ser. No. 580,437. Sporting Goods Mfg. Company, Inc., Lynn, Mass. Filed June 14, 1949.

THE ATOM

For Miniature Footballs.

Claims use since Mar. 5, 1948.

Ser. No. 585,020. Homer H. Gordon, Los Angeles, Calif. Filed Sept. 19, 1949.

SLOT "O"

For Games Comprising a Gameboard and Dice.

Claims use since July 5, 1949.

Ser. No. 585,683. Abram Beach Reading, Berkeley, Calif. Filed Oct. 1, 1949.

PICTOPUNS

The drawing is lined for shading only.

For Picture Type Puzzles.

Claims use since July 12, 1949.

Ser. No. 586,707. Nathan R. Smith, doing business as Nathan R. Smith Manufacturing Co., South Pasadena, Calif. Filed Oct. 22, 1949.



The drawing is lined to show blue lettering and a red background emblem. The word "Spark" is disclaimed.

For Spark Coils for Model Gas Engines Designed for Use in Toy Model Aircraft and Like Items.

Claims use since Sept. 1, 1949.

Ser. No. 589,720. Charles W. Hess, Kansas City, Mo. Filed Dec. 21, 1949.



For Parlor Game, Consisting of Playing Pieces, Board, and Rules.

Claims use since Dec. 28, 1948.

Ser. No. 592,638. Emma E. Kloss, Chicago, Ill. Filed Feb. 17, 1950.

ZODIACYCLE

For Games—Namely, Board Games, Card Games, and Games Played With Movable Playing Pieces.

Claims use since Nov. 8, 1946.

Ser. No. 594,122. The Gong Bell Manufacturing Company, East Hampton, Conn. Filed Mar. 17, 1950.



The word "Phone" is disclaimed.

For Toy Telephones.

Claims use since Feb. 24, 1950.

Ser. No. 594,691. The Brand Mfg. Co., Denver, Colo. Filed Mar. 27, 1950.



The mark consists of the letters "T" and "B."

For Construction Toys—Namely, Articles for Constructing Toy Buildings and Other Structures.

Claims use since Jan. 10, 1950.

Ser. No. 595,037. Tri-State Plastic Molding Co., Henderson, Ky. Filed Mar. 2, 1950.



For Plastic Toy Sailboats.

Claims use since Aug. 20, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 539,217. Roots-Connersville Blower Corporation, Connersville, Ind. Filed Oct. 27, 1947.

BLOWER BUILDERS R-C SINCE 1854

The words "Blower Builder" are disclaimed.
For Rotary Positive Blowers, Rotary Positive Gas Pumps, Centrifugal Blowers, Centrifugal Exhausters, Rotary Positive Vacuum Pumps, and Inert Gas Generators.
Claims use since June 11, 1947.

Ser. No. 565,650. Pettibone Mulliken Corporation, Chicago, Ill. Filed Sept. 22, 1948.

PMC SPEED LOADER

The drawing is lined for shading only. "Speed Loader" is disclaimed.
For Portable Loaders for Material From Roadways or Piles and for Excavated Material.
Claims use since October 1947.

Ser. No. 568,443. Parts Processing Corporation, Detroit, Mich. Filed Nov. 9, 1948.

PAR+

For Valves for Internal Combustion Engines.
Claims use since Dec. 31, 1945.

Ser. No. 577,052. Alvin G. Griffin, doing business as Griff Machine Products Company, Pittsburgh, Pa. Filed Apr. 13, 1949.



Griffin

The word "Griffin" is disclaimed.
For Slitter Knives, Jigs, Fixtures for Milling Machines, Drill Presses and Similar Machines, Dies and Forming Tools Used on Turret Lathes, Screw Machines Used in Connection With Production Work.
Claims use since Mar. 1, 1944.

Ser. No. 584,677. Lincoln Engineering Company, St. Louis, Mo. Filed Sept. 10, 1949.

CENTROILER

The word "Oiler" is disclaimed.
For Stationary and Portable Lubricating Pump.
Claims use since June 20, 1949.

Ser. No. 584,706. Viking Pump Company, Cedar Falls, Iowa. Filed Sept. 10, 1949.

VIPCO

For Fluid Displacement Pumps.
Claims use since Sept. 27, 1945.

Ser. No. 585,917. Dorling Company of America, Inc., Jenkintown, Pa. Filed Oct. 7, 1949.

Dorling

For Table Flatware—Namely, Table Knives, Table Forks, and Teaspoons.
Claims use since Aug. 24, 1949.

Ser. No. 592,658. Phelon Magnagrip Company, Inc., Springfield, Mass. Filed Feb. 17, 1950.

MAGNABAR

Applicant claims ownership of Registration No. 519,152.
For Holders for Articles of Magnetic Material Such as Knives, Kitchen Utensils, and Hand Tools.
Claims use since Oct. 1, 1949.

Ser. No. 598,173. Emco Cement Products, Inc., Paxonia, Pa. Filed May 26, 1950.

BOND STONE

The word "Stone" is disclaimed.
For Molds for Making Artificial Building Stone.
Claims use since Sept. 23, 1949.

Ser. No. 598,487. Maurice H. McMechan, doing business as Frigid Fruit Co., Yakima, Wash. Filed June 2, 1950.



Applicant makes no claim to the exclusive use of the representation of the apple, nor to the outline representation of the metal disc. The drawing is lined to represent the colors red, green and blue.
For Automatic Electrical Coin Operated Vending Machines for Fresh Fruit.
Claims use since Nov. 1, 1949.

Ser. No. 599,020. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed June 13, 1950. (Sec. 2f.)

SUPER-HI

Applicant claims ownership of Registration No. 419,417.
For Machine Tools—Namely, Drill Presses and Component Parts Thereof.
Claims use since Sept. 15, 1944.

Ser. No. 601,636. Meteor Manufacturing Corp., Buffalo, N. Y. Filed Aug. 2, 1950.

Sell-e-vision

The word "Sell" is disclaimed.
For Wrench Kits Which Include Wrenches and Parts Therefor Arranged Within a Container.
Claims use since June 15, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 563,088. Vic Cleaning Machine Company, Minneapolis, Minn. Filed Aug. 9, 1948.

Auto-Fer

For Dry Cleaning Machines.
Claims use since June 5, 1947.

Ser. No. 602,348. The Unipress Company, Incorporated, Minneapolis, Minn. Filed Aug. 17, 1950.

UNIPRESS

Applicant claims ownership of Registration No. 248,388
For Garment Presses.
Claims use since Sept. 7, 1927.

Ser. No. 606,378. Glenwood Range Company, Taunton, Mass. Filed Nov. 14, 1950.

Glenwood

For Washing Machines.
Claims use since Oct. 25, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 541,898. Wheelco Instruments Company, Chicago, Ill. Filed Nov. 20, 1947.

CAPACILOG

For Electrically Operated Instruments for Recording and Controlling Conditions Such as Electric Voltages or Currents, Fluid Flows, Fluid Pressures, Temperatures, and the Like.
Claims use since July 2, 1947.

Ser. No. 551,649. Meopta, Spojene Zavody pro Jemnou Mechaniku a Optiku, Narodni Podnik, Prerov, Czechoslovakia. Filed Mar. 10, 1948.



Applicant claims ownership of Czechoslovakia Registration No. 10,213, dated Sept. 12, 1947.
For Cameras; Aero-Cameras; Motion-Picture Cameras and Projectors; Lantern, Film Slide, and Stereoscopic Projectors; Photographic Developing, Printing, and Retouching, and Enlarging Apparatus; Photographic Exposure Measuring Instruments; Shutters; Photogrammetic Instruments; Electrically Controlled, Weighting and Assorting Apparatus, Mechanical Drawing Instruments and Apparatus; Slide Rules; Talking Picture Machines; Phonometers; Phonophones; Phonoscopes; Phonophotoscopes; Phonotelemeters; Tonometers; Tonographs; Tonoscopes; Stroboscopes; Photogrammeters; Graphometers; Heliographs; Heliometers; Photometers; Photopitometers; Photoptometers; Photoscopes; Photosynthometers; Phototelegraphs; Microscopes; Microtomes; Telescopes; Collimators; Optical Sights for Guns and Firearms; Telescopic Bomb Sights; Ballistic Instruments; Speedometers; Speed Recorders; Tachometers; Anemometers; Telemeters; Laboratory Chronographs Used to Graphically Indicate Data; Altimeters; Range Finders; Aerotachometers; Aerocartographers; Chromoscopes; Colorimeters; Polarimeters; Polariscopes; Spectrometers; Spectroscopes; Spectrographs; Refractometers; Interferometers; Spherometers; Compasses; Triangulators; Theodolites; Sextants; Octants; Goniometers; Weather Indicators;

Barometers; Seismographs; Height Measuring Instruments; Wind Direction Indicators; Wind Velocity Measuring Apparatus; X-Ray Machines for Measuring and Scientific Purposes; Alcoholometers; Titration Apparatus; Analytical Weighting and Measuring Instruments; Balances; Scales; Dimensional Gauges, Water Gauges, Pressure Gauges and Parts Thereof; Calipers; Calipering Instruments, and Parts Thereof; Thermometers; Thermostats; Thermostatic Valves; Temperature Responsive Electrical Switches; Hydrometers; Galvanometers; Voltmeters; Amperemeters; Wattmeters; Potentiometers; Gyroscopes; Gyrometers; Gyrographs; Gyrostabilizers.

Ser. No. 560,623. Lee Hunter, Jr., doing business as Hunter Engineering Company, St. Louis, Mo. Filed July 2, 1948.



For Wheel Balancing Apparatus and Parts Thereof—Namely, a Machine Used for Determining and Correcting the Static or Dynamic Balance, or Both, of Automobile Wheels and Other Machine Elements To Be Operated at High Rotative Speeds.
Claims use since Sept. 6, 1947.

Ser. No. 568,615. Graflex, Inc., Rochester, N. Y. Filed Nov. 12, 1948.

GRAFLITE

For Photographic Flashlight Equipment—Namely, Flashlight Battery Cases, Reflectors, Side-Lighting Units, Battery-Case Extension Tubes, Reflector Shields and Filters, Connecting Cords and Plugs, Solenoids, All the Above Items Sold Separately or as a Complete Flashlight Unit and Also Enlargers.
Claims use since Oct. 20, 1948.

Ser. No. 579,777. Advance Pattern Co., Inc., New York, N. Y. Filed June 1, 1949.

ADVANCE FASHION PERSONALYSIS

The word "Fashion" is disclaimed. Applicant claims ownership of Registrations Nos. 409,145 and 298,357.
For Paper Dress Patterns.
Claims use since Apr. 28, 1949.

Ser. No. 582,258. Welding Apparatus Company, Chicago, Ill. Filed July 20, 1949.

BLINKER

For Welding Helmet.
Claims use since July 1941.

Ser. No. 584,311. Barnett & Jaffe, Philadelphia, Pa. Filed Sept. 1, 1949.

baja

The drawing is lined for shading purposes only.
For Camera Projector Cases, Reel and Slide File Cases.
Claims use since June 27, 1949.

Ser. No. 593,303. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Filed Mar. 2, 1950.

MILE -O- METER

The word "Meter" is disclaimed.
For Gauge To Indicate the General Condition and Efficiency of an Internal Combustion Motor.
Claims use since May 13, 1949.

Ser. No. 594,966. Gevaert Photo-Producten N. V., Mortsel, Belgium. Filed Mar. 31, 1950.

TONEX

Applicant claims ownership of Belgian Registration No. 6,530, dated Feb. 23, 1927.
For Sensitized Photographic Papers.

Ser. No. 599,198. Sprague Electric Company, North Adams, Mass. Filed June 15, 1950. (Sec. 2f.)

SPRAGUE

For Capacitor and Resistor Analyzers, Radio Interference Locators, Electric Wiring Analyzers, Power Line Fault Locators, Pulse-Forming Networks for Radar, and Parts Thereof.
Claims use since July 1926.

Ser. No. 599,609. Bausch & Lomb Optical Company, Rochester, N. Y. Filed June 23, 1950.

BALRIM

For Spectacle Frames and Mountings.
Claims use since May 17, 1950.

Ser. No. 600,436. Hull Manufacturing Company, Warren, Ohio. Filed July 10, 1950.

STREAMLINE

For Magnetic Compasses.
Claims use since Sept. 1, 1933.

Ser. No. 600,695. Petroleum Heat and Power Company, Stamford, Conn. Filed July 14, 1950.

PETRO

For Thermostats.
Claims use since Dec. 13, 1933.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 568,548. Town Talk Polish Company, Manchester, England. Filed Nov. 10, 1948.

TALKETTE

Priority under Sec. 44(d). British application Registration No. 673,516, dated Oct. 13, 1948.
For Unimpregnated Polishing Cloths.

Ser. No. 575,141. The Friedstrass Company, New York, N. Y. Filed Mar. 9, 1949.

Mary Ann

For Dust Cloths (Untreated), Brooms, Mops, Wet Mops, Dry Mops, Dish Mops, Dust Mops, Brushes—Namely, Bath Brushes, Bed Spring Brushes, Bottle Brushes, Bowl Brushes, Carpet Sweeper Brushes, Clothes Brushes, Floor Brushes, Hand Brushes, Pastry Brushes, Percolator Brushes, Pet or Animal Brushes, Radiator Brushes, Scouring Brushes, Scrub Brushes, Shoe Brushes, Sink Brushes, Vegetable Brushes, Venetian Blind Brushes, Waffle-Iron Brushes, Window Brushes, Wall or Ceiling Brushes, Twisted-in-Wire Brushes, Staple Set Brushes, Household Brushes, Counter Dusters (Feathers Attached to the End of a Wand), Feather Dusters (Feathers Attached to the End of a Wand), Auto Dusters (Feathers Attached to the End of a Wand), and Wax Applicators (a Soft Wool or Fabric Pad Applied to a Cross Bar and Attached to the End of a Long Handle).
Claims use since July 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 592,286. Spiegel, Inc., Chicago, Ill. Filed Feb. 10, 1950.

Homestead

For Electrical and Mechanical Refrigerators for Home Use and Electrical and Mechanical Freezers for Home Use.
Claims use since April 1949.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 554,334. Storkline Furniture Corporation, Chicago, Ill. Filed Apr. 10, 1948.

STORKLINE

Applicant claims ownership of Registrations Nos. 144,237, 283,608, 296,743, and 317,524.
For Infants', Nursery, and Juvenile Furniture—Namely, Bassinets, Chifforobes, Cribs, Beds, Bed and Crib Springs, Mattresses, Tables, Chairs, High Chairs, Play Yards, Chests, Chests of Drawers, Costumers, Hinged-Panel Screens, Stands, Dressers, Step-Ups, Secretaries, Nursery (Toilet) Chairs, and Dressing Table-and-Bath Units.
Claims use since Oct. 1, 1939.

Ser. No. 591,319. H. Sacks and Sons, Brookline, Mass. Filed Jan. 23, 1950.

Marlboro Manor

For Tables, Chairs, Bureaus, Desks, Cabinets, Sofas, Beds, Highboys, Household Mirrors, Cupboards, Lowboys, Sideboards, Bookcases, and Secretaries.
Claims use since Nov. 4, 1949.

Ser. No. 596,052. Simmons Company, New York, N. Y. Filed Apr. 20, 1950.

Simfoam

For Mattresses.
Claims use since Apr. 4, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 598,826. Baker Refrigeration Corporation, South Windham, Maine. Filed June 9, 1950. (Sec. 2f.)

BAKER

For Air Conditioning Units — Namely, Apparatus Adapted To Circulate Air and Maintain Its Desired Properties.
Claims use since June 1934.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 547,949. United States Rubber Company, New York, N. Y. Filed Jan. 24, 1948. (Sec. 2f.)

CHAIN TREAD

The word "Tread" is disclaimed. Applicant claims ownership of Registration No. 143,018.
For Rubber Tires for Bicycles.
Claims use since Nov. 21, 1913.

CLASS 37

PAPER AND STATIONERY

Ser. No. 517,525. Wheeldex Manufacturing Co., Inc., White Plains, N. Y., by change of name from Schoifield Service, Inc. Original filed, act of 1905, Feb. 14, 1947; amended to application under act of 1946, Principal Register, Oct. 8, 1948.

WHEELDEX Cub

Applicant claims ownership of Registration No. 293,670.
For Small Portable, Rotary Filing Equipment, Filing Cards and Guide Cards or Separators for Files.
Claims use since Oct. 1, 1946.

Ser. No. 536,390. Hollingsworth & Whitney Company, Boston, Mass. Filed Oct. 1, 1947.

TEMPO

For Tag Stock.
Claims use since July 1936.

Ser. No. 537,928. Mays Associates, Incorporated, Providence, R. I. Filed Oct. 15, 1947.

TOP-O-MATIC

For Writing Pencils.
Claims use since Apr. 18, 1947.

Ser. No. 573,057. Inland Container Corporation, Indianapolis, Ind. Filed Mar. 8, 1949.



The word "Pak" is disclaimed. Applicant claims ownership of Registrations Nos. 426,614 and 532,483.
For Corrugated Paperboard Cushion, Liner, or Filler for Protecting Crated or Packaged Articles.
Claims use since Mar. 2, 1947.

Ser. No. 582,738. Protective Mounts, Inc., Los Angeles, Calif. Filed July 30, 1949.



The words "Philatelic," "Photographic," and "Protective Mounts" are disclaimed.
For Protective Mountings, for Enclosing and Protecting the Surfaces, Corners, and Edges of Stamps and Photographs and for Securing the Same Within the Pages of Albums.
Claims use since Jan. 15, 1947.

Ser. No. 595,741. Rubicon, Inc., New York, N. Y. Filed Apr. 14, 1950.

STRETCH

For Collapsible Ball Point Pens and Collapsible Pencils.
Claims use since Mar. 20, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 548,991. Pocket Books, Inc., New York, N. Y. Filed Feb. 6, 1948.

TEEN AGE BOOK CLUB

The words "Book Club" are disclaimed.
For Books of Literary Works Published Under Various Titles by Various Authors Which Titles Are Periodically Selected Under Applicant's Sponsorship and Distributed to Schools.
Claims use since Aug. 31, 1946.

Ser. No. 571,659. Joseph Nixon, doing business as The Nixon Camera & Photo-Supply Company, Kenmore, N. Y. Filed Jan. 5, 1949.

VIEW-FINDER

For Periodicals Issued at Intervals and Containing Articles and Information of Particular Interest to Amateur Photographers.
Claims use since Mar. 1, 1945.

Ser. No. 586,504. Tribune Company, Chicago, Ill. Filed Oct. 18, 1949.

Dawn O'Day in HOLLYWOOD

The name "Dawn O'Day" is a fictitious name. The word "Hollywood" is disclaimed.
For Series of Cartoons.
Claims use since Oct. 2, 1949.

Ser. No. 587,805. Kennedy Sinclaire, Inc., New York, N. Y. Filed Nov. 15, 1949. (Sec. 2f.)

TAXES and YOUR ESTATE

For Periodical Publications.
Claims use since April 1944.

Ser. No. 593,601. Kallis and Kallis, Chicago, Ill. Filed Mar. 8, 1950. (Sec. 2f.)



The lining in the drawing represents shading.
For Trucking Carrier Directories and Rosters Issued in a Series.
Claims use since 1933 as to the words "Official Motor Freight Guide"; and since August 1944 as to the mark shown.

Ser. No. 593,859. Close-Up, Inc., New York, N. Y. Filed Mar. 13, 1950. (Sec. 2f.)

REVEALING DETECTIVE

For Magazine Issued Bi-Monthly.
Claims use since Mar. 12, 1942.

Ser. No. 594,838. Heath Angelo, Jr., Oakland, Calif. Filed Mar. 29, 1950.

DOLLARS & SENSE

For Publication Containing Financial News and/or Data Published From Time to Time.
Claims use since Jan. 15, 1950.

Ser. No. 595,147. McCulloch Motors Corporation, Los Angeles, Calif. Filed Apr. 3, 1950.

REPORTER

The word "Reporter" is disclaimed. The drawing is lined for yellow.
For Periodical Trade Publication.
Claims use since July 1, 1949.

Ser. No. 595,335. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Apr. 6, 1950.

Extract SHARP & DOHME

The word "Dohme" is disclaimed.
For Periodical Publication.
Claims use since September 1928.

Ser. No. 597,725. American Academy of General Practice, Kansas City, Mo. Filed May 19, 1950.



For Magazines Containing Articles, Editorials, Technical Papers, and Other Items of General Interest to the Medical Profession, and for Columns and Departments Appearing in Such Magazines.
Claims use since Mar. 31, 1950.

Ser. No. 598,101. Ostrander-Sams Corporation, Waukegan, Ill. Filed May 25, 1950.

LUSTRE LANE

For Greeting Cards.
Claims use since Apr. 1, 1950.

CLASS 39

CLOTHING

Ser. No. 509,616. Harry A. Stier Co., Denver, Colo. Original filed, act of 1905, Sept. 23, 1946; amended to application under act of 1946, Supplemental Register, Aug. 19, 1949; amended to Principal Register, Nov. 22, 1950.

Harry Florence

The trade-mark is fanciful.
For Ladies' Hats.
Claims use since Jan. 5, 1946.

Ser. No. 530,696. Ed White Junior Shoe Company, St. Louis, Mo. Filed Aug. 6, 1947.

HAPPY GO LUCKY

For Boys' and Girls' Shoes of Leather, Fabric, Rubber, Plastic, and/or Combinations Thereof.
Claims use since June 29, 1945.

Ser. No. 534,980. Beard and Gabelman, Inc., Kansas City, Mo. Filed Sept. 19, 1947.

magic Circle

For Brassières.
Claims use since Apr. 24, 1947.

Ser. No. 543,895. Leo M. Cooper, doing business under the name and style of York Uniform Company, New York, N. Y. Filed Dec. 10, 1947. (Sec. 2f.)

York

Applicant claims ownership of Registration No. 313,005.
For Nurses' Uniforms, Maids' Uniforms, Uniform Dresses, House Dresses, and Daytime Dresses.
Claims use since Aug. 14, 1933.

Ser. No. 563,144. Wise Shoe Stores, Inc., New York, N. Y. Filed Aug. 10, 1948.

Beau Deb

For Ladies' Shoes.
Claims use since Aug. 25, 1947.

Ser. No. 564,683. E. E. Ellis, doing business as Ellis Safety Products Co., East Chicago, Ind. Filed Aug. 4, 1948.

ELL-WELD

For Leather, Combination Leather and Fabric Gloves and Mitts; Also Industrial Safety Clothing—Namely, Sleeves, Aprons, Coats, Trousers, Leggings, and Spats.
Claims use since Mar. 1, 1946.

Ser. No. 566,295. Esther Patrick, Geneva, N. Y. Filed Sept. 25, 1948.

Tiny Tea Timers

The word "Tiny" is disclaimed.
For Children's Dresses, Aprons, and Pinafores.
Claims use since Nov. 21, 1947.

Ser. No. 568,260. Kestos Limited, London, England. Filed Nov. 5, 1948.

KESTOS

Applicant claims ownership of British Registration No. 476,211 dated Dec. 28, 1926, and No. 551,028 dated May 10, 1934.
For Women's Apparel—Namely, Brassières, Suspender Belts, Corsets, Combined Brassières and Corsets, Combined Brassières and Princess Slips, Bathing Suits, Beach Brassières, Beach Suits, and Beach Robes.

Ser. No. 569,695. Handmacher-Vogel, Inc., New York, N. Y. Filed Dec. 1, 1948. (Sec. 2f as to the name "Handmacher.")

tailored by Handmacher

The words "Tailored by" are disclaimed.
For Ladies' Suits and Dresses.
Claims use since 1940.

Ser. No. 572,682. Packard Dresses, Inc., New York, N. Y. Filed Jan. 24, 1949. (Sec. 2f.)

A Packard ORIGINAL DESIGN Fashion Mirror

The words "Original Design" and "Fashion" are disclaimed. Applicant claims ownership of Registrations Nos. 365,650, 403,571, 404,418, and 417,966.
For Ladies' Dresses, and Dress Ensembles, Consisting of Dress and Jacket.
Claims use since Aug. 30, 1938.

Ser. No. 572,853. Jordan Marsh Company, Boston, Mass. Filed Jan. 26, 1949.

Jordan Marsh Company JORDANAIRE

The expression "Jordan Marsh Company" is disclaimed. The name "Jordan Marsh" is a combination of the surnames of the founders of applicant's business and not the name of any living individual known to the applicant. Applicant claims ownership of Registration No. 360,268.
For Men's Overcoats, Topcoats, Suits, Hats, Outer Shirts, Pajamas, and Shoes.
Claims use since Sept. 25, 1948.

Ser. No. 577,948. Dunnhill Suspender & Belt Corp., New York, N. Y. Filed Apr. 29, 1949.

LIFE ACTION

For Belts, Suspenders, Garters, and Arm Bands.
Claims use since Oct. 11, 1948.

Ser. No. 578,964. The Ferguson Shoe Company, Inc., Pasadena, Calif. Filed May 17, 1949.

Country Cousins

For Footwear—Namely, Women's Shoes, Oxfords, Sandals, Slippers, Straps, Pumps, and Ties.
Claims use since July 13, 1948.

Ser. No. 578,965. The Ferguson Shoe Company, Inc., Pasadena, Calif. Filed May 17, 1949.

Kountry Kousins

For Footwear—Namely, Women's Shoes, Oxfords, Sandals, Slippers, Straps, Pumps, and Ties.
Claims use since July 13, 1948.

Ser. No. 578,974. The Highland Shoe Co. Inc., Akron, Pa. Filed May 17, 1949.

CHUB-I-CHUBS

For Infants', Children's, and Misses' Shoes.
Claims use since October 1933.

Ser. No. 579,788. Baker Clothes, Inc., Philadelphia, Pa. Filed June 1, 1949.

Lin-Tone

The word "Lin" is disclaimed. Applicant claims ownership of Registration No. 415,346.
For Men's and Women's Suits, Sport Coats, and Slacks.
Claims use since Jan. 27, 1944.

Ser. No. 581,550. Caljax Incorporated, Van Nuys, Calif. Filed July 6, 1949.

Suedestar

For Men's, Women's, and Children's Jackets, Coats, and Vests.
Claims use since May 1949.

Ser. No. 581,788. Allied Stores Corporation, New York, N. Y. Filed July 12, 1949.

Carol Gay

The name "Carol Gay" is fanciful. Applicant claims ownership of Registration No. 409,870.
For Women's Ready to Wear—Namely, Coats, Dresses, Suits, Negligees, Pajamas, Underwear, Gloves of Leather and Fabric; Hats; Shoes of Leather, Rubber, and Fabric; Hosiery, Corsets, Blouses, Breeches, Jodhpurs, Bathing Suits, Beach Robes, Play Suits, Sweaters and Skirts for Outer Wear.
Claims use since May 5, 1943.

Ser. No. 583,078. The Formfit Company, Chicago, Ill. Filed Aug. 6, 1949. (Sec. 2f.)

Formfit

Applicant claims ownership of Registrations Nos. 409,442 and 327,595.

For Women's Wearing Apparel—Namely, Bandeaux, Brassières, Corsets, Foundation Garments, Garter Belts, Girdles, One-Piece Combination Girdle and Brassière, and Panties.

Claims use since January 1917.

Ser. No. 583,823. Siceloff Manufacturing Company, Inc., Lexington, N. C. Filed Aug. 22, 1949.



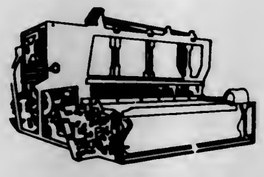
"Brand" and "Siceloff Mfg. Co., Inc." are disclaimed.

Applicant claims ownership of Registration No. 312,929.

For Men's and Boys' Overalls, Dungarees, Work Pants, Outer Work Shirts, Outer-Sport Shirts, Work Coats, Work Jackets; Children's Overalls, Dungarees, and Outer Shirts; and Little Girls', Girls', and Ladies' Dungarees and Jeans.

Claims use since Jan. 1, 1946, as shown; and since Dec. 20, 1933, as to the words "Cowhide Brand."

Ser. No. 590,268. Joseph Gilbert, trading as Gilbert Textile Co., New York, N. Y. Filed Jan. 3, 1950. CERTIFICATION MARK. (Sec. 2f with respect to the word "Gilbert.")



Gilbert Satin Lining

The words "Satin Lining" are disclaimed.

For Cut-Out Satin Garment Linings.

Claims use since January 1935.

Ser. No. 591,450. Boxer Knit Products Corp., Brooklyn, N. Y. Filed Jan. 26, 1950.

Boxer Knit

No claim is made to the word "Knit."

For Infants', Children's, Ladies', and Men's Polo Shirts.

Claims use since July 15, 1949.

Ser. No. 592,007. Superba Cravats, Rochester, N. Y. Filed Feb. 4, 1950.

Royal Ranger

Applicant claims ownership of Registration No. 376,605.

For Neckties.

Claims use since Jan. 15, 1948.

Ser. No. 593,328. William Boyd, Beverly Hills, Calif. Filed Mar. 3, 1950.



The pictorial representation of a man's head is fanciful and not a pictorial representation of any particular living individual. The name "Hopalong Cassidy" as shown is a fictitious name and not the name of any known individual.

For Children's Clothing Consisting of Hats, Jodhpurs, Jacquards, Sweaters, Leather Jackets, Poplin Jackets, Gabardine Jackets, Bathing Suits and Trunks, Neckties, Scarves, Sweatshirts, Play-Suits, Cowboy Suits, Outer Shirts, Coats, Pants, Jeans, Gloves, Mittens, Raincoats, Ponchos, Hosiery, Belts, Suspenders, and Girls' Outer Dresses.

Claims use since June 15, 1949.

Ser. No. 595,912. Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blacksbear, Ga. Filed Apr. 18, 1950.



The words "The Strength of an Elephant" and "Shoes" are disclaimed.

For Shoes for Infants and Children.

Claims use since Apr. 10, 1950.

Ser. No. 596,109. The May Department Stores Company, St. Louis, Mo. Filed Apr. 21, 1950. (Sec. 2f.)

Tarleton

Applicant claims ownership of Registration No. 276,939.

For Men's Outer Suits and Overcoats.

Claims use since April 1928.

Ser. No. 596,793. Merit Clothing Company, Mayfield, Ky. Filed May 3, 1950.

Grid-Star

For Men's Suits.

Claims use since Apr. 10, 1950.

Ser. No. 597,136. Dutchess Underwear Corporation, New York, N. Y. Filed May 9, 1950.

Alluringly Yours

Applicant claims ownership of Registrations Nos. 395,950 and 523,468.

For Ladies' Wearing Apparel—Namely, Underwear, Nightgowns, Slips, Petticoats, Pajamas, Bloomers, Vests, Panties, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-Ins in Combination, and Brassières.

Claims use since Apr. 1, 1949.

Ser. No. 597,137. Dutchess Underwear Corporation, New York, N. Y. Filed May 9, 1950.

B Briefs

The word "Briefs" is disclaimed.

For Ladies' Wearing Apparel—Namely, Underwear, Nightgowns, Slips, Petticoats, Pajamas, Bloomers, Vests, Panties, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-Ins in Combination, and Brassières.

Claims use since Apr. 15, 1949.

Ser. No. 597,197. D'Amato, Inc., New York, N. Y. Filed May 10, 1950.

yu-too
BY d'amato

The surname "d'Amato" is disclaimed.

For Women's Slips and Petticoats.

Claims use since Apr. 17, 1950.

Ser. No. 597,538. William Netsky, doing business under the trade name and style of Susquehanna Waist Company, Upland, Pa. Filed May 16, 1950.

NYLON LADY

No claim is made to the word "Nylon." Applicant claims ownership of Registration No. 321,165.

For Ladies' Blouses Made of Nylon Fabric.

Claims use since Apr. 28, 1950.

Ser. No. 597,719. Brevitt Shoes Limited, Leicester, England. Filed May 16, 1950.

CASANOVA

For Shoes for Men, Women, and Children.

Claims use since Feb. 22, 1950.

Ser. No. 598,386. Peter Pan Foundations, Inc., New York, N. Y. Filed May 31, 1950.

SINNER

For Brassières.

Claims use since Apr. 1, 1950.

Ser. No. 598,448. Alba Footwear, Inc., Malone, N. Y. Filed June 2, 1950.

Nylaboot

For Children's and Women's Overshoes.

Claims use since Jan. 23, 1950.

Ser. No. 598,515. I. A. Wyner & Co., Inc., New York, N. Y. Filed June 2, 1950.

Tinkle-Tone

For Garments for Women—Namely, Dresses, Blouses, Skirts, and Sweaters

Claims use since May 1, 1950.

Ser. No. 598,901. Even-Pul Foundations, Inc., New York, N. Y. Filed June 10, 1950.

eye-Opener

For Brassières, Girdles, Corselets, and Foundation Garments.

Claims use since Mar. 20, 1950.

Ser. No. 599,013. Poirette Corsets, Inc., New York, N. Y. Filed June 13, 1950.

MISTOLON

For Brassières, Girdles, and Combination Brassières and Girdles.
Claims use since May 17, 1950.

Ser. No. 608,294. R. W. Eldridge Co., Inc., Charlotte, N. C. Filed Jan. 5, 1951.



For Handkerchiefs.
Claims use since 1928 as to the words "Four Leaf Clover"; and since May 27, 1949, as to the mark shown.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 591,160. Glenwear, Inc., New York, N. Y. Filed Jan. 20, 1950. (Sec. 2f.)

Glenwear

Applicant claims ownership of Registration No. 399,240.
For Textile Fabrics in the Piece, of Cotton, Rayon and Silk, and Veilings, Nettings, and Lace Piece Goods.
Claims use since Nov. 4, 1940.

Ser. No. 591,495. Herbert R. Leeds & Co., Inc., New York, N. Y. Filed Jan. 26, 1950.

THE GOTHAM

For Worsted Piece Goods for Men's Coats and Suits.
Claims use since Jan. 19, 1949.

Ser. No. 594,955. J. & J. Crombie, Limited, Aberdeen and Woodside, Aberdeen, Scotland. Filed Mar. 31, 1950. (Sec. 2f.)

CROMBIE

Applicant claims ownership of Registration No. 329,460.
For Woolen and Worsted Piece Goods.
Claims use since March 1933.

Ser. No. 595,059. Burlington Mills Corporation, Greensboro, N. C. Filed Apr. 1, 1950.

SMOKE RINGS

For Textile Fabrics in the Piece of Synthetic Fibers.
Claims use since Feb. 16, 1950.

Ser. No. 595,089. Phoenix, Inc., Allentown, Pa. Filed Apr. 1, 1950.

ZENITH TIMBA-TONE

The word "Tone" is disclaimed.
For Fabrics Made From All Wool Fibers.
Claims use since September 1949.

Ser. No. 595,264. Herbert R. Leeds & Co., Inc., New York, N. Y. Filed Apr. 5, 1950.

NYLITE

For Rayon, Nylon, and Woolen Fabrics in the Piece.
Claims use since Mar. 16, 1950.

Ser. No. 595,306. Collins & Aikman Corporation, Philadelphia, Pa. Filed Apr. 6, 1950.

CANDALON

Applicant claims ownership of Registration No. 275,448.
For Upholstery Fabrics of Wool, Cotton, Mohair, and Synthetic Fibers, of Plastic and Synthetic Yarns, and of Mixtures Thereof.
Claims use since October 1947.

Ser. No. 595,341. Swift Manufacturing Company, Columbus, Ga. Filed Apr. 6, 1950.

LUXON

For Piece Goods, Woven of Plastic Yarn or Filament, for Use in the Manufacture of Automobile Seat Covers and the Like.
Claims use since Mar. 20, 1950.

Ser. No. 595,342. Swift Manufacturing Company, Columbus, Ga. Filed Apr. 6, 1950.

THERMORIZED

For Piece Goods, Woven of Plastic Yarn or Filament, for Use in the Manufacture of Automobile Seat Covers and the Like.
Claims use since Mar. 20, 1950.

Ser. No. 595,515. Rosewin Coats Inc., Kansas City, Mo. Filed Apr. 10, 1950.

IREDALE

For Textile Fabrics Made of Cotton, Wool, and Synthetic Fibers.
Claims use since Mar. 24, 1950.

Ser. No. 596,007. Allen Underwear Mfg. Co., Inc., New York, N. Y. Filed Apr. 20, 1950.

Trinylene

For Rayon Piece Goods.
Claims use since Apr. 10, 1950.

Ser. No. 596,792. Jersey Carpet Corporation, Clifton, N. J. Filed May 3, 1950.

NYLOOM

For Textile Carpets.
Claims use since Mar. 31, 1950.

Ser. No. 597,091. Novik & Co., New York, N. Y. Filed May 8, 1950.

Maid de France

The exclusive use of the phrase "de France" is disclaimed.
For Veilings and Nettings in the Piece.
Claims use since Jan. 10, 1940.

Ser. No. 600,367. American Woolen Company, Boston, Mass., and New York, N. Y. Filed July 8, 1950.

AMER-LON

For Wool and Nylon Piece Goods.
Claims use since June 21, 1950.

Ser. No. 600,547. Pacific Mills, Boston, Mass., and New York, N. Y. Filed July 12, 1950.

TASIA

For Woolen Fabrics in the Piece.
Claims use since June 28, 1950.

Ser. No. 600,739. Bianchini, Ferier, Inc., New York, N. Y. Filed July 17, 1950.

TAFFETANZA

For Dress Fabrics of Silk, Rayon, Nylon or Mixtures Thereof.
Claims use since June 27, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 600,800. Petermann Co., Union City, N. J. Filed June 29, 1950. (Sec. 2f.)

Petermann

Applicant claims ownership of Registration No. 402,384.
For Non-Alcoholic Maltless Carbonated Soft Drinks.
Claims use since Feb. 8, 1905.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 529,856. Armour and Company, Chicago, Ill. Filed July 29, 1947. (Sec. 2f.)

PLYMOUTH

For Jowl Bacon.
Claims use since 1910.

Ser. No. 549,611. Jerome F. Blome, Catonsville, Md. Filed Feb. 13, 1948.



Applicant claims ownership of Registration No. 225,856.
For Candy.
Claims use since Jan. 29, 1883.

Ser. No. 551,221. Brecht Candy Company, Denver, Colo., assignee of Brecht Candy Co. Filed Mar. 5, 1948.

HANDY CANDY

The word "Candy" is disclaimed.
For Candies, and More Particularly for Wintergreen Lozenges, Jumbo Jelly Beans, Stuft Mints, Candy Tablets, Burnt Peanuts, Juicy Lemon Candy Drops, Glossy Mints, and Butterscotch Candy Buttons.
Claims use since January 1945.

Ser. No. 564,122. Gumakers of America, Inc., New York, N. Y. Filed Aug. 25, 1948.

PIC

For Chewing Gum.
Claims use since Feb. 1, 1948.

Ser. No. 566,983. Heller Candy Co., Inc., New York, N. Y. Filed Oct. 14, 1948. (Sec. 2f as to "Heller's.")

HELLER'S CANDY DARLINGS

The word "Candy" is disclaimed. Applicant claims ownership of Registration No. 417,272.
For Candies.
Claims use since July 29, 1948, as to the mark shown; and since July 1941 as to "Heller's."

Ser. No. 567,140. D. Ghirardelli Co., San Francisco, Calif. Filed Oct. 18, 1948.

Say Gear-ar-delly

Applicant claims ownership of Registrations Nos. 205,736, 426,706, and 438,352.
For Ground Chocolate, Cocoa, Mint Chocolate, and Chocolate Sold in the Form of Bars as Candy and for Cooking Purposes.
Claims use since January 1915.

Ser. No. 567,355. McPhillips Packing Corporation, Bayou la Batre, Ala. Filed Sept. 16, 1948. (Sec. 2f.)

TENDERPAK

Applicant claims ownership of Registration No. 223,809.
For Canned Vegetables.
Claims use since Mar. 1, 1923.

Ser. No. 568,123. Societe a Responsabilite Limitee Pates Alimentaires Rivoire & Carret, Barbe (Rhone), France. Filed Nov. 3, 1948.

FLORALINE

Applicant claims ownership of French Registration No. 25,184, dated Jan. 28, 1948.
For Alimentary Pastes and Canned Soups.

Ser. No. 569,297. The Rath Packing Company, Waterloo, Iowa. Filed Nov. 23, 1948.

RILCO

For Shortening Prepared From Animal Fats.
Claims use since Sept. 1, 1948.

Ser. No. 570,419. Jiffy Rice Co., Inc., San Francisco, Calif. Filed Dec. 13, 1948.



Applicant disclaims the bowl of rice.
For Cooked Rice.
Claims use since Mar. 23, 1948.

Ser. No. 570,447. H. Stiffelman & Co., Philadelphia, Pa. Filed Dec. 13, 1948.

Mountaino

Applicant claims ownership of Registration No. 201,164 (now expired).
For Butter.
Claims use since May 1915.

Ser. No. 573,756. Bliss Syrup & Preserving Co., Kansas City, Mo. Filed Feb. 12, 1949.



The picture of the man and boy is fanciful. Applicant claims ownership of Registration No. 170,907.
For Table Syrup.
Claims use since 1914.

Ser. No. 575,911. The Kelly Company, Cleveland, Ohio. Filed Mar. 23, 1949.

DIXIE

Applicant claims ownership of Registration No. 70,760.
For Unshelled Roasted and Salted Shelled Peanuts and Peanut Butter.
Claims use since October 1903.

Ser. No. 577,568. Flavor Corporation of America, Chicago, Ill. Filed Apr. 23, 1949.

TEXTONE

For Emulsifier and Flavor Intensifier for Edible Foods Consisting of Ester Emulsifying Agents, Citric Acid, Oleoresin Vanilla, St. John's Bread, and Extractives of Various Fruits for Intensifying the Natural Flavor, Producing a Smoother Texture, and for Preventing the Development of Stale, Metallic Flavors in Ice Creams, Sherbets, and the Like.
Claims use since Apr. 15, 1948.

Ser. No. 579,538. Hanscom Baking Corporation, Long Island City, N. Y. Filed May 26, 1949.

WHEATSTONE

For Bread, Cakes, Cookies, Pies, and Doughnuts.
Claims use since Feb. 16, 1949.

Ser. No. 580,232. Elizabeth Candy Inc., Elizabeth, N. J. Filed June 10, 1949.

Scoop

For Candy.
Claims use since Mar. 10, 1949.

Ser. No. 582,484. Koepplinger's Bakery, Detroit, Mich. Filed July 25, 1949.



The representation of a loaf of bread is disclaimed.
For Bread.
Claims use since Oct. 1, 1938.

Ser. No. 585,543. Stephen Pawlcyn, doing business under the name General Nut Sales Co., Minneapolis, Minn. Filed Sept. 29, 1949.

LAZY SUE

For Popped Corn, Potato Chips, and Salted Shelled Nuts, Salted Unshelled Nuts, and Unsalted Shelled Nuts.
Claims use since Aug. 31, 1949.

Ser. No. 585,663. Nebraska Consolidated Mills Company, doing business as Alabama Flour Mills, Omaha, Nebr. Filed Oct. 1, 1949.

ROVER

For Dog Food.
Claims use since Aug. 30, 1949.

Ser. No. 587,994. Parent, Goyer (Noranda) Ltd., Noranda, Quebec, Canada. Filed Nov. 9, 1949.

BLUE DEVILS

The word "Blue" is disclaimed. Applicant claims ownership of Canadian Registration No. N. S. 22,367, dated Sept. 22, 1945.
For Fresh and Frozen Blueberries.

Ser. No. 590,039. Standard Brands Incorporated, New York, N. Y. Filed Dec. 28, 1949. (Sec. 2f.)

FLEISCHMANN'S

Applicant claims ownership of Registrations Nos. 151,760, 270,971, 280,290, 280,695, 282,478, 300,711, 306,750, 311,939, 376,341, 390,040, 407,241, 409,601, 418,800, 427,894, 434,848.
For Compressed and Dried Yeasts; Baking Powders; Vinegars; Frozen Eggs and Frozen Egg Mixtures; Frozen Fruits; Malt Syrups; Dough Improvers in Powder Form Consisting of Mineral Salts and a Cereal Filler; Cultures for Sour Rye Breads; Oleomargarine; Yeast Vegetable Meatless Stocks for Making Soups, Gravies, Sauces and Seasoning; Prepared Icing Base; and Nonfat Dry Milk Solids.
Claims use since Jan. 1, 1876.

Ser. No. 591,297. La Mirada Olive Company, San Francisco, Calif. Filed Jan. 23, 1950. (Sec. 2f.)

Stratford Inn

Applicant claims ownership of Registration No. 374,314.
For Olives Packed in Cans and Bottles.
Claims use since 1929.

Ser. No. 591,298. La Mirada Olive Company, San Francisco, Calif. Filed Jan. 23, 1950. (Sec. 2f.)

BLACK BEAUTY

Applicant claims ownership of Registration No. 269,778.
For Olives Packed in Cans and Bottles.
Claims use since Jan. 12, 1929.

Ser. No. 591,711. Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Filed Jan. 31, 1950.



For Frozen Food Products—Namely, Frozen Peas.
Claims use since Dec. 13, 1949.

Ser. No. 592,620. Foremost Dairies, Inc., Jacksonville, Fla. Filed Feb. 17, 1950.



The representation of the children's heads is merely fanciful.
For Ice Cream.
Claims use since Sept. 14, 1949.

Ser. No. 592,621. Foremost Dairies, Inc., Jacksonville, Fla. Filed Feb. 17, 1950.



The representation of the children's heads is fanciful. The words "Triple Goodness" are disclaimed.
For Ice Cream.
Claims use since Sept. 14, 1949.

Ser. No. 592,774. Nestelle's Inc., Portland, Oreg. Filed Feb. 20, 1950.

MARBLETTE

For Preparation Consisting of Fruits, Flavors, and Colors for Use by Ice Cream Manufacturers To Give a Marble Appearance in Ice Cream.
Claims use since April 1939.

Ser. No. 592,998. G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Filed Feb. 24, 1950.

GRENADIER

For Canned and Preserved Black Sweet Cherries.
Claims use since Feb. 18, 1950.

Ser. No. 593,004. Everett Johnston, doing business as King Salad Avocado Co., Vista, Calif. Filed Feb. 24, 1950.



The word "Salad" and the representation of the avocado are disclaimed. The stippling on the drawing represents shading. Applicant claims ownership of Registration No. 360,809.
For Fresh Avocados.
Claims use since Feb. 17, 1938.

Ser. No. 593,733. Macomber's, Inc., Berkeley, Calif. Filed Mar. 10, 1950. (Sec. 2f.)

MACOMBER'S

For Apple Juice, Prune Juice, French Salad Dressing, Vinegars, and Honey.
Claims use since 1858.

Ser. No. 594,135. Mondial Company, Inc., New York, N. Y. Filed Mar. 17, 1950.

MAWA

For Canned Fish.
Claims use since January 1947.

Ser. No. 594,311. Fewel Bros. Packing Company, Fresno, Calif. Filed Mar. 21, 1950.

HI-ENERGY

For Raisins.
Claims use since Nov. 28, 1949.

Ser. No. 595,114. Francisco Vazquez, Inc., Manati, P. R. Filed Mar. 18, 1950.

Silver River

For Canned Sliced Pineapple, Canned Crushed Pineapple, and Canned Pineapple Juice for Food Purposes.
Claims use since Jan. 11, 1950.

Ser. No. 596,269. L. C. Crafts, North Scituate, Mass. Filed Apr. 25, 1950.

TV

For Candy.
Claims use since Nov. 4, 1949.

Ser. No. 596,739. Mars, Incorporated, Chicago, Ill. Filed May 2, 1950.

MARS

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 316,733, 308,958, and 304,055.
For Candy.
Claims use since July 1, 1933.

Ser. No. 596,753. Rice Growers Association of California, Sacramento, Calif. Filed May 2, 1950.



For Rice.
Claims use since Apr. 2, 1937.

644 O. G.—4

Ser. No. 597,033. Davis, Norton & Colville, Riverside, Calif. Filed Oct. 4, 1949.



BAR D BRAND

The word "Brand" is disclaimed.
For Raw Potatoes.
Claims use since July 9, 1948.

Ser. No. 597,120. Bath Canning Company, Bath, Maine. Filed May 9, 1950.

FINSITA

For Canned Sardines.
Claims use since Aug. 4, 1949.

Ser. No. 598,174. Enzo Jel Company, Sheboygan, Wis. Filed May 26, 1950.

ENZO

Applicant claims ownership of Registrations Nos. 273,639 and 519,910.
For Preparation for Making Tomato Aspic.
Claims use since Apr. 5, 1950.

CLASS 47

WINES

Ser. No. 520,908. Society of the Divine Word, doing business as O-Neh-Da Vineyard, Conesus, N. Y. Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, Apr. 7, 1948.



The words "Wine That Is Wine" are disclaimed. Applicant claims ownership of Registration No. 378,932.
For Wines.
Claims use since June 15, 1942.

Ser. No. 600,798. Weibel Champagne Vineyards, doing business as Mission Cellars, Mission San Jose, Calif. Filed July 17, 1950.

Anytime

For Wines.
Claims use since June 23, 1950.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 531,210. Les Heritiers de Marie Brizard & Roger, Achard, Gloth & Cie., Bordeaux, France. Filed Aug. 13, 1947.



No claim is made to the word "Bordeaux." The portrait is that of the founder of applicant's business, Marie Brizard, deceased. The name "Marie Brizard" is that of a deceased person, the founder of applicant's business. Applicant claims ownership of French Registration No. 43,225, dated Apr. 17, 1946.
For Apricot Liqueur.

Ser. No. 556,803. Maison Albert Robin Societe Anonyme, Cognac, France. Filed May 11, 1948.

ALBERT ROBIN



The representation of the individuals are fanciful. The name "Albert Robin" is that of a deceased individual, the founder of applicant's business. Applicant claims ownership of United States Registration No. 313,435 and French Registration No. 12,249, dated May 27, 1947.
For Cognacs and Brandies.

Ser. No. 556,890. John Jameson & Son, Limited, Dublin, Irish Free State. Filed May 12, 1948. (Sec. 2f.)

JOHN JAMESON & SON
Established A. D. 1780
JJ&S
DUBLIN IRISH WHISKEY
John Jameson & Son

The signature is that of "John Jameson" now deceased. The words "Dublin Irish Whiskey" and the notation "Established A. D. 1780" are disclaimed. Applicant claims ownership of Registrations Nos. 73,865, 74,287, 79,343, and 312,243.
For Irish Whiskey.
Claims use since early Summer of 1935 and in commerce between foreign nations and the United States which may lawfully be regulated by Congress since early Summer of 1935.

Ser. No. 561,560. Etablissements Pernod, Maisons Pernod Fils, Hemard et Pernod Pere et Fils Reunies (Societe Anonyme), Paris, France. Filed July 16, 1948. (Sec. 2f.)

PERNOD

Applicant claims ownership of French Registration No. 1,226, dated Sept. 20, 1922, renewed under No. 315,081, dated May 24, 1937.
For Anis Liqueur.
Claims use since 1798 in France; and use in commerce between France and the United States which may lawfully be regulated by Congress in 1827.

Ser. No. 561,561. Etablissements Pernod, Maisons Pernod Fils, Hemard et Pernod Pere et Fils Reunies (Societe Anonyme), Paris, France. Filed July 16, 1948. (Sec. 2f.)

PERNOD FILS

Applicant claims ownership of French Registration No. 331,517, dated Sept. 19, 1940.
For Anis Liqueur.
Claims use since 1798 in France; and first used in commerce between France and the United States since 1827.

Ser. No. 590,334. Sunset Incorporated, Chicago, Ill. Filed Jan. 4, 1950.

KENTUCKY MANOR

The word "Kentucky" is disclaimed.
For Potable Distilled Alcoholic Beverage—Namely, Whiskey.
Claims use since Oct. 31, 1949.

Ser. No. 594,605. Western Wine and Liquor Co., Omaha, Nebr., assignor to Paxton & Gallegher Company, Omaha, Nebr. Filed Mar. 24, 1950.

GOLDEN WEST

For Whiskey.
Claims use since Nov. 3, 1943.

Ser. No. 595,774. Frankfort Distilleries, Incorporated, Louisville, Ky. Filed Apr. 15, 1950. (Sec. 2f.)

Frankfort

Applicant claims ownership of Registrations Nos. 315,017, 322,079, and others.
For Distilled Liquors, Particularly Gin.
Claims use since Apr. 27, 1935, as presented; and the word "Frankfort" has been used as a trade-mark since 1880 in the business of the applicant and its predecessors.

Ser. No. 596,150. James B. Beam Distilling Co., Chicago, Ill. Filed Apr. 22, 1950. (Sec. 2f.)

JIM BEAM

The mark of the applicant is the name of its former president, now deceased. Applicant claims ownership of Registrations Nos. 326,281, 326,282, 326,543, 371,871, 371,872, 372,481, and 388,151.
For Whiskey.
Claims use since May 21, 1938.

Ser. No. 598,964. Schenley Industries, Inc., New York, N. Y. Filed June 12, 1950. (Sec. 2f.)

SCHENLEY

Applicant claims ownership of Registrations Nos. 33,368, 309,436, 309,713, and others.
For Whiskey and Gin.
Claims use since December 1892.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 570,455. Whitehall Pharmacal Company, New York, N. Y. Filed Dec. 13, 1948. (Sec. 2f.)

Louis Philippe

The mark is the name of a living person from whom written consent for use thereof has been obtained.
For Lipsticks, Rouges, Face Powders, Dusting Powder, Cold Cream, and Perfume.
Claims use since June 18, 1928.

Ser. No. 570,456. Whitehall Pharmacal Company, New York, N. Y. Filed Dec. 13, 1948. (Sec. 2f.)

LOUIS PHILIPPE

The trade-mark is the name of a living person from whom written consent for the use thereof has been obtained.
For Lipsticks, Face Powders, Talcum Powder, and Cologne.
Claims use since June 18, 1928.

Ser. No. 593,385. The J. B. Williams Company, Glastonbury, Conn. Filed Mar. 3, 1950.

SKOLEX

Applicant claims ownership of Registration No. 314,006.
For Creams for Protecting the Skin From Sunburn.
Claims use since Feb. 6, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 587,347. Monsanto Chemical Company, St. Louis, Mo. Filed Nov. 4, 1949.

DEVRAN

For Chemicals for Use in Processing Hides and Leather—Namely, Cleansing, Scouring and Degreasing Agents.
Claims use since Sept. 2, 1949.

Ser. No. 596,009. Avon Products, Inc., New York, N. Y., assignor to Avon Products, Inc. (1950), a corporation of New York. Filed Apr. 20, 1950.

BLUE ANGEL

For Soaps.
Claims use since Apr. 3, 1950.

Ser. No. 596,219. The Dow Chemical Company, Midland, Mich. Filed Apr. 24, 1950.

Perklor

For Dry Cleaning Solvent.
Claims use since Jan. 16, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 559,219. The Diversey Corporation, Chicago, Ill. Filed June 15, 1948.

SANI-PLAN

No claim is made to the exclusive use of the word "Plan" alone.

For Sanitation Advisory Service for Hospitals and Beverage Plants—Namely, Advice as to Cleaning and Sanitation Methods and the Type of Materials for Use With Such Methods.

Claims use since January 1946.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 579,067. National Retail Credit Association, St. Louis, Mo. Filed May 18, 1949. (Sec. 2f.)



The words "National Retail Credit Association" and the term "Founded 1912" are disclaimed.

For Informational Services on Matters Affecting Consumer Credit, viz. Federal and State Legislation, Business Trends, and Distribution to Its Members of Publications and Works on the Subject Matter of Consumer Credit.

Claims use since 1937 on the mark as shown; and since 1934 on the words "Guard Your Credit as a Sacred Trust."

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 564,824. Mutual Implement and Hardware Insurance Company, Owatonna, Minn. Filed Sept. 8, 1948.

Federated Mutual

The words "Federated Mutual Safety Savings Service" are disclaimed.

For Underwriting of Fire, Windstorm, and Casualty Insurance on Property.

Claims use since Jan. 1, 1948.

Ser. No. 592,276. Mutual Benefit Health and Accident Association, Omaha, Nebr. Filed Feb. 10, 1950. (Sec. 2f as to the words "Mutual of Omaha.")

Mutual OF OMAHA

The lining represents shading and not color.

For Underwriting Health and Accident Insurance.

Claims use since Jan. 1, 1950, as shown; and since June 30, 1944 as to the words "Mutual of Omaha."

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 530,623. Culligan Zeolite Company, Northbrook, Ill. Filed Aug. 6, 1947. (Sec. 2f.)

Culligan Soft Water Service

The words "Soft Water Service" are disclaimed. Applicant claims ownership of Registration No. 426,059.

For Servicing of Portable and Stationary Apparatus and Equipment for Softening, Treating and Filtering Water.

Claims use since July 24, 1940.

Ser. No. 557,677. Modern Perma-Finish Company, St. Petersburg, Fla. Filed May 24, 1948.

Perma-Finish

The word "Finish" is disclaimed.

For Refinishing Furniture by a Process Consisting of Removing the Old Finish, Then Sandblasting the Surface, Then Prime Coating, Then Applying Color and Finally Glazing by a Spray Method.

Claims use since June 2, 1947.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 594,830. Chicago, Burlington & Quincy Railroad Company, Chicago, Ill. Filed Mar. 29, 1950. (Sec. 2f.)

Everywhere West

For Railroad Freight and Passenger Transportation Services.

Claims use since May 1936 as shown; and since May 1921 in forms substantially similar to that shown.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,432. Narrow Belting, Stripping, Tape, and Tubing Made of Thermoplastic Material. Richard A. Fisch, doing business as "Anchor Plastics Company, Inc.," New York, N. Y., assignor to Anchor Plastics Co., Inc., New York, N. Y.
Filed Feb. 20, 1947, Serial No. 517,841. Published Nov. 28, 1950. Class 1.

ACT OF 1946, PRINCIPAL REGISTER

538,820. Plumbing Fittings or Parts and Associated Supplies Used by Plumbers, Etc. J. A. Sexauer Mfg. Co., Inc., New York, N. Y.
Original filed, act of 1920, July 8, 1946; amended to application under act of 1946, Principal Register, Mar. 1, 1950, Serial No. 505,251. Published Dec. 12, 1950. Class 13.

538,821. Collars and Cuffs for Dresses and Sweaters. Timely Accessories, Inc., New York, N. Y.
Original filed, act of 1905, Oct. 5, 1946; amended to application under act of 1946, Supplemental Register, Mar. 15, 1949; amended to Principal Register, June 21, 1950, Serial No. 510,368. Published Nov. 14, 1950. Class 39.

538,822. Canned Shrimp. Anticich Canning Company, Inc., Biloxi, Miss.
Original filed, act of 1905, Oct. 9, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 510,470. Published Mar. 15, 1949. Class 46.

538,823. Staples, Rivets, and Spots. The Standard Rivet Company, South Boston, Mass.
Original filed, act of 1905, Mar. 12, 1947; amended to application under act of 1946, Principal Register, Oct. 15, 1948, Serial No. 518,919. Published Dec. 12, 1950. Class 13.

538,824. Cake. Drake Bakeries Incorporated, Brooklyn, N. Y.
Original filed, act of 1905, Apr. 10, 1947; amended to application under act of 1946, Principal Register, July 27, 1948, Serial No. 520,447. Published Nov. 14, 1950. Class 46.

538,825. Preparation for the Care and Treatment of the Hair and Scalp, in Single Use Container. Bristol-Myers Company, New York, N. Y.
Original filed, act of 1905, Apr. 14, 1947; amended to application under act of 1946, Principal Register, May 13, 1949, Serial No. 520,608. Published Dec. 5, 1950. Class 18.

538,826. Cosmetics—Namely, Face Creams and Hand Creams. Camelia Penney, Inc., Palm Beach, Fla.
Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, Aug. 5, 1948, Serial No. 520,858. Published Oct. 24, 1950. Class 51.

538,827. Roofing Materials—Namely, Shingles of the Interlocking Type, Normally Flexible, and Produced From a Composition of Roofing Materials. Tilo Roofing Company, Inc., Stratford, Conn.
Original filed, act of 1905, June 21, 1947; amended to application under act of 1946, Principal Register, Mar. 11, 1949, Serial No. 524,635. Published Nov. 14, 1950. Class 12.

538,828. CONSOLIDATED CERTIFICATE. Bemis Bro. Bag Company, St. Louis, Mo.
Coated Fabric Bags Made of Burlap or Cotton. Filed June 10, 1948, Serial No. 558,846. Published Oct. 3, 1950. Class 2.
Coated Fabrics Made of Burlap or Cotton, and Sold as Piece Goods. Filed July 5, 1947, Serial No. 526,891. Published Aug. 31, 1948. Class 42.

538,829. Monoammonium Phosphate, Diammonium Phosphate, Etc. Victor Chemical Works, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,540. Published Nov. 14, 1950. Class 6.

538,830. Petroleum Paint Thinner and Paint Brush Cleaner. Forman, Ford and Co., Minneapolis, Minn.
Filed July 19, 1947, Serial No. 528,930. Published Feb. 17, 1948. Class 16.

538,831. Soot and Carbon Scale Removing Chemical Preparation. Garratt-Callahan Co. of Illinois, Chicago, Ill.
Filed Aug. 18, 1947. CONCURRENT USE. Serial No. 531,659. Published Nov. 28, 1950. Class 52.

538,832. Boiler Cleaning Compounds. Garratt-Callahan Co. of Illinois, Chicago, Ill.
Filed Aug. 18, 1947. CONCURRENT USE. Serial No. 531,660. Published Nov. 28, 1950. Class 52.

538,833. Rust Eradicator Preparation Used for Hot-Water-Circulating Systems or Any Metal Units in Which Water Is Confined, and Including Automobile Radiators and Devices of Like Character for Preventing Formation of Fluff, Scale or Rust and the Removal Thereof. Garratt-Callahan Co. of Illinois, Chicago, Ill.
Filed Aug. 18, 1947. CONCURRENT USE. Serial No. 531,661. Published Nov. 28, 1950. Class 52.

538,834. Equipment for Irrigation Systems—Namely, Sprinklers, Metal Pipe, Metal Pipe Couplers, Check Valves, and Lift Valves. R. M. Wade & Co., Portland, Oreg.
Filed Sept. 15, 1947, Serial No. 534,574. Published Dec. 12, 1950. Class 13.

538,835. Tube, Capillary Tube, Commercial Tube, Etc. Calumet and Hecla Consolidated Copper Company, Calumet, Mich.
Filed Oct. 6, 1947, Serial No. 536,874. Published Dec. 12, 1950. Class 13.

538,836. Coffee. General Grocer Company, also trading as General Coffee Company, St. Louis, Mo.
Filed Oct. 18, 1947, Serial No. 538,272. Published Nov. 14, 1950. Class 46.

538,837. Men's Topcoats and Overcoats. Hickey-Freeman Company, Rochester, N. Y.
Filed Oct. 24, 1947, Serial No. 538,911. Published Nov. 7, 1950. Class 39.

538,838. Hams and Bacon. Armour and Company, Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,141. Published Nov. 14, 1950. Class 46.

538,839. Orthopedic Braces. The Pope Foundation, Inc., Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,202. Published Dec. 5, 1950. Class 44.

538,840. Ready Mixed Paints. Armstrong Paint & Varnish Works, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,612. Published Dec. 12, 1950. Class 16.

538,841. Coated Abrasive Products Having a Flexible Backing With an Abrasive Secured to the Backing by an Adhesive. Armour and Company, doing business as Armour Sandpaper Works, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 540,963. Published Dec. 5, 1950. Class 4.

538,842. Wire Cloth, Wire Netting, Etc. The Gilbert & Bennett Mfg. Co., Georgetown, Conn.
Filed Nov. 18, 1947, Serial No. 541,535. Published Dec. 12, 1950. Class 13.

538,843. Pilot Valve Adapted To Be Used To Control the Operation of a Refrigeration Expansion Valve. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.
Filed Nov. 28, 1947, Serial No. 542,623. Published Oct. 31, 1950. Class 31.

538,844. Men's Clothing—Namely, Coats, Pants, and Vests. Haspel Brothers, Inc., New Orleans, La.
Filed Oct. 20, 1947, Serial No. 542,731. Published Nov. 7, 1950. Class 39.

538,845. Writing and Drawing Inks of All Kinds, Pad Ink, Carbon Paper, and Typewriter Ribbons. Produits Chimiques de Liege, S. P. R. L., Bois-de-Breux, near Liege, Belgium.
Filed Dec. 3, 1947, Serial No. 543,224. Published Dec. 5, 1950. Class 11.

538,846. Scaffolds, Roller Units Comprising a Frame and Cylindrical Roller Mounted Thereon, and Roller Stands for Reels Which Will Permit Free Rolling of Reels to Remove Wire, Rope, Cable, Etc., Therefrom. Automatic Devices, Inc., St. Louis, Mo.
Filed Dec. 15, 1947, Serial No. 544,315. Published Nov. 28, 1950. Class 50.

538,847. Lawn and Garden Rotary Sprinkler. Edsum Screw Machine Products, Maple Shade, N. J.
Filed Dec. 16, 1947, Serial No. 544,433. Published Dec. 12, 1950. Class 13.

538,848. Wire Chain in Coils, Porch-Swing Chains, Hammock-Chains, and Pump-Chains. The Hodell Chain Company, Cleveland, Ohio, assignor to The National Screw and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio.
Filed Dec. 17, 1947, Serial No. 544,575. Published Dec. 12, 1950. Class 13.

538,849. Antiseptic Mouth Wash. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,777. Published Oct. 31, 1950. Class 18.

538,850. Bathing Suits, Ladies', Children's, and Misses' Knitted and Woven Slips; Etc. Indera Mills Company, Winston-Salem, N. C.
Filed Dec. 31, 1947, Serial No. 545,852. Published Dec. 12, 1950. Class 39.

538,851. Dry Cleaning Solvents, Metal Cleaning Solvents, Alkali Cleaners, Etc. Detrex Corporation, Detroit, Mich.
Filed Jan. 14, 1948, Serial No. 546,965. Published June 7, 1949. Class 52.

538,852. Powdered Amorphous Limestone Comprising Substantially Pure Calcium Carbonate. Texas Carbonate Company, Florence, Tex.
Filed Jan. 15, 1948, Serial No. 547,191. Published Nov. 28, 1950. Class 6.

538,853. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business as The Lamar Flour Flour Mills, Lamar, Colo.
Filed Mar. 5, 1948, Serial No. 551,233. Published Mar. 7, 1950. Class 46.

538,854. Boys' Clothing—Namely, Suits, Including Coats, Vests, Trousers, Topcoats, Overcoats, and Jackets. The Hecht Company, Washington, D. C.
Filed Dec. 30, 1947, Serial No. 552,389. Published Nov. 7, 1950. Class 39.

538,855. CONSOLIDATED CERTIFICATE. Hollymade Hardware Mfg. Co., Los Angeles, Calif.
Builders' and Cabinet Hardware, Metal and Plastic Knobs, Metal and Plastic Pulls, and Hinges. Filed July 21, 1949, Serial No. 582,308. Published Aug. 1, 1950. Class 13.
Builders' and Cabinet Hardware—Namely, Locks, Latches, and Locking Bolts. Filed Mar. 22, 1948, Serial No. 552,657. Published Aug. 29, 1950. Class 25.

538,856. Ready-Mixed Prepared Interior and Exterior Paints; Etc. The Sargent-Gerke Co., Indianapolis, Ind.
Filed Mar. 25, 1948, Serial No. 553,025. Published Dec. 5, 1950. Class 16.

538,857. Raw Ground Henna in Powdered Form Used To Tint the Hair Various Colors. J. L. Hopkins & Co., New York, N. Y.
Filed Apr. 14, 1948, Serial No. 554,568. Published Nov. 28, 1950. Class 51.

538,858. Bi-carbonate Soda, Glycerine, Cream of Tartar, Substitute for Cream of Tartar, Citric Acid Solution, Phosphate Solution. Joseph Middleby Jr. Inc., Boston, Mass.
Filed Apr. 19, 1948, Serial No. 554,994. Published Dec. 5, 1950. Class 6.

538,859. Fire Fighting Chemicals. Howard D. Mathis, doing business as Automatic Fire Control Co., St. Louis, Mo.
Filed Apr. 23, 1948, Serial No. 555,421. Published Dec. 19, 1950. Class 6.

538,860. Phenobarbital in Liquid Form and Tablets; Capsules Containing Liver, Iron and Thiamin for Treatment of Nutritional Anemia; Liquid Reconstructive Tonic Containing Vitamins and Minerals; Etc. Texas Associated Laboratories, Inc., Abilene, Tex.
Filed Apr. 26, 1948, Serial No. 555,638. Published Nov. 7, 1950. Class 18.

538,861. Accelerant To Accelerate Action of Sulphuric Acid in Carbonizing Bath in Wool Fibres. Arkansas Company Inc., Newark, N. J.
Filed May 1, 1948, Serial No. 555,980. Published Feb. 7, 1950. Class 6.

538,862. Handkerchiefs Made From Irish Linen. Winsor Manufacturing Company, Woonsocket, R. I.
Filed May 1, 1948, Serial No. 556,046. Published May 24, 1949. Class 39.

538,863. Handkerchiefs Made From Irish Linen. Winsor Manufacturing Company, Woonsocket, R. I.
Filed May 1, 1948, Serial No. 556,047. Published May 24, 1949. Class 39.

538,864. Refrigerated Milk Storage Tanks. Steel and Tube Products Co., Milwaukee, Wis.
Filed May 10, 1948, Serial No. 556,666. Published Dec. 5, 1950. Class 31.

538,865. Soap Used Primarily for Dishwashing. The Cudahy Packing Company, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,350. Published Nov. 28, 1950. Class 52.

538,866. Wax in Liquid Form for Polishing, Preserving, and Protecting Floors. The Cudahy Packing Company, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,371. Published Dec. 5, 1950. Class 4.

538,867. Medicine Used for Vitamin A Therapy. Endo Products Inc., Richmond Hill, N. Y.
Filed June 3, 1948, Serial No. 558,377. Published June 28, 1949. Class 18.

538,868. Machine Applied and Cohered Staples Used in Stapling Machines for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed June 4, 1948, Serial No. 558,495. Published Dec. 12, 1950. Class 13.

538,869. Electric Clocks Which Sound the Hour. Jay Rose, New York, N. Y.
Filed June 4, 1948, Serial No. 558,511. Published Dec. 12, 1950. Class 27.

538,870. Vulcanization Accelerators and Activators Used in the Curing of Rubber, Activated Charcoal, and Carbon Black for General Chemical Use. Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France.
Filed June 10, 1948, Serial No. 558,945. Published Oct. 31, 1950. Class 6.

538,871. Vulcanization Accelerators and Activators Used in the Curing of Rubber, Etc. Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France.
Filed June 10, 1948, Serial No. 558,947. Published Oct. 31, 1950. Class 6.

538,872. Portable and Adjustable Scaffolds. Lacy K. Pennington, Fremont, Mich.
Filed June 12, 1948, Serial No. 559,118. Published Dec. 5, 1950. Class 50.

538,873. Ladders—Namely, Step-Ladders, Extension Ladders, Platform Ladders, Etc. Magnesium Products Corporation, New York, N. Y.
Filed June 17, 1948, Serial No. 559,523. Published Nov. 28, 1950. Class 50.

538,874. Aspirin, Boric Acid, Camphorated Oil, Castor Oil, Epsom Salts, Glycerin, Methyl Salicylate, Mineral Oil for the Alleviation of Constipation, Peroxide, Rubbing Alcohol, Witch Hazel, Cod Liver Oil, and Milk of Magnesia. Goldblatt Bros. Inc., Chicago, Ill.
Filed June 28, 1948, Serial No. 560,332. Published Nov. 21, 1950. Class 18.

538,875. Hook Hangable Over the Window of an Automobile From Which Garment Hangers May Be Suspended. Elias Shapiro, doing business as Alma Industries, Philadelphia, Pa., assignor to K-D Manufacturing Company, Lancaster, Pa.
Filed July 7, 1948, Serial No. 560,841. Published Dec. 12, 1950. Class 13.

538,876. Electrically Operated Commercial and Industrial Refrigeration. Winkler-Morgenthaler, Inc., Philadelphia, Pa.
Filed July 7, 1948, Serial No. 560,852. Published Nov. 14, 1950. Class 31.

538,877. Avocado Oil Used in the Preparation of Cosmetics, Perfumes, Rouges, and Lipsticks. Calavo Growers of California, Los Angeles, Calif.
Filed July 9, 1948, Serial No. 560,966. Published Nov. 28, 1950. Class 51.

538,878. Knitted and Woven Woolen and Worsted Cloths, Jersey Cloths, Elderdown, Chinchillas, and Knitted Fabrics Having a Fleecy Pile or Surface. Continental Mills, Inc., Philadelphia, Pa.
Filed Jan. 22, 1948, Serial No. 561,381. Published Nov. 21, 1950. Class 42.

538,879. Floor Wax. Franklin Research Company, Philadelphia, Pa.
Filed July 22, 1948, Serial No. 561,916. Published Dec. 5, 1950. Class 16.

538,880. Lumber of All Kinds, Dimension Core Stock (Also Known as Glued-Up Dimension), Trim for Windows, and Doors and Moldings. Ralph G. Spiegle, doing business as Cortrim Lumber Company, Bristol, Tenn.
Filed July 22, 1948, Serial No. 561,950. Published Nov. 28, 1950. Class 12.

538,881. Dry Ice Type Refrigerating Units Adapted for Industrial Use in Connection With Both Stationary Equipment and Particularly With Mobile Equipment Such as Ships, Trains, Airplanes and Trucks. Carbofrezer Research Corporation, San Francisco, Calif.
Filed July 24, 1948, Serial No. 562,121. Published Oct. 31, 1950. Class 31.

538,882. Salted Shelled Peanuts, Potato Chips, Candied and Buttered Pop Corn, and Doughnuts. Planters Nut and Chocolate Company, Wilkes-Barre, Pa.
Filed July 26, 1948, Serial No. 562,220. Published Nov. 14, 1950. Class 46.

538,883. Arch Supports. The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed Aug. 11, 1948, Serial No. 563,222. Published Dec. 19, 1950. Class 44.

538,884. Automobile Innertube Cold Patching Cement; Automobile Gasket Cement; Bicycle Tire Rim Cement; and Friction Tape. The Pure Oil Company, Chicago, Ill.
Filed Aug. 13, 1948, Serial No. 563,365. Published Nov. 7, 1950. Class 5.

538,885. Anal Inserts Such as Rectal Dilators. Duframe Specialty Company, Chicago, Ill.
Filed Aug. 18, 1948, Serial No. 563,668. Published Dec. 5, 1950. Class 44.

538,886. Chemical Compositions for Preventing or Inhibiting the Formation of Foam in Manufacturing Processes. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed Aug. 20, 1948, Serial No. 563,796. Published Nov. 14, 1950. Class 6.

538,887. Perfume, Cologne, and Toilet Water. E. Hampton Shannon, doing business as Eve Shannon, New York, N. Y.
Filed Aug. 30, 1948, Serial No. 564,407. Published Nov. 14, 1950. Class 51.

538,888. Hair Shampoo Cream. John H. Breck, Inc., Springfield, Mass.
Filed Sept. 4, 1948, Serial No. 564,709. Published Nov. 14, 1950. Class 52.

538,889. Artists' Finger Paints. Milton Bradley Company, Springfield, Mass.
Filed Sept. 13, 1948, Serial No. 565,064. Published Dec. 12, 1950. Class 16.

538,890. Styrenated Glycerol Phthalate Resin Solutions. Reichhold Chemicals, Inc., Detroit, Mich.
Filed Sept. 21, 1948, Serial No. 565,578. Published Dec. 19, 1950. Class 6.

538,891. Towel Bars Made of Glass With Metal Fittings Attached Thereto. Owens-Illinois Glass Company, Toledo, Ohio.
Filed Sept. 24, 1948, Serial No. 565,804. Published Nov. 7, 1950. Class 13.

538,892. Medicinal Preparation of Liver, Iron-Compound, and Vitamins. The Upjohn Company, Kalamazoo, Mich.
Filed Sept. 24, 1948, Serial No. 565,829. Published Dec. 19, 1950. Class 18.

538,893. Household Refrigerator Evaporators, Household Refrigerator Condensers, Etc. Houdaille-Hershey Corporation, Detroit, Mich.
Filed Sept. 25, 1948, Serial No. 565,874. Published Oct. 17, 1950. Class 31.

538,894. Dark Red Philippine Mahogany. Mahogany Importing Company, Los Angeles, Calif.
Filed Sept. 28, 1948, Serial No. 566,042. Published Nov. 28, 1950. Class 12.

538,895. Toothpicks. Herz Manufacturing Corporation, New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,147. Published Dec. 19, 1950. Class 44.

538,896. Toothpicks. Herz Manufacturing Corporation, New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,148. Published Dec. 19, 1950. Class 44.

538,897. Denim Fabrics. J. P. Stevens & Co., Inc., New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,186. Published Nov. 28, 1950. Class 42.

538,898. Mixture of Sulfonamide Drugs for the Treatment of Bacterial Infections. Schering Corporation, Bloomfield, N. J.
Filed Oct. 5, 1948, Serial No. 566,478. Published Nov. 28, 1950. Class 18.

538,899. Safety Devices for Protection Against Industrial Hazards, Etc. Maurice Kline, doing business as General Scientific Equipment Company, Philadelphia, Pa.
Filed Oct. 7, 1948, Serial No. 566,620. Published Dec. 5, 1950. Class 44.

538,900. Pedestal Drinking Fountains. James B. Clow & Sons, Chicago, Ill.
Filed Oct. 14, 1948, Serial No. 566,971. Published Dec. 12, 1950. Class 13.

538,901. Paste-Like Material Adapted To Be Sprayed, Brushed, or Troweled for Undercoating Automobile and Truck Bodies. Nox-Rust Chemical Corporation, Chicago, Ill.
Filed Oct. 22, 1948, Serial No. 567,467. Published Dec. 5, 1950. Class 16.

538,902. Preparation Used for General Cleaning and Removing Grease, Having Incidental Water Softening Properties. Arwell, Inc., Waukegan, Ill.
Filed Oct. 27, 1948, Serial No. 567,673. Published Dec. 5, 1950. Class 52.

538,903. Canned Foods—Namely, Tomatoes, Tomato Catsup, Etc. Vincennes Packing Corporation, Vincennes, Ind.
Filed Nov. 3, 1948, Serial No. 568,127. Published July 18, 1950. Class 46.

538,904. Textile Piece Goods of Spun Rayon. Arthur Beir & Co., Inc., New York, N. Y.
Filed Dec. 1, 1948, Serial No. 569,665. Published Nov. 28, 1950. Class 42.

538,905. Men's Suits and Trousers. Benson-Buckman Co., New Orleans, La.
Filed Dec. 7, 1948, Serial No. 570,088. Published Oct. 31, 1950. Class 39.

538,906. Men's and Boys' Work Shirts. Rombro Brothers Inc., Baltimore, Md.
Filed Dec. 7, 1948, Serial No. 570,122. Published Mar. 7, 1950. Class 39.

538,907. Tincture of Green Soap; Boric Acid Crystals and Powder, Etc. Katz Drug Company, Kansas City, Mo.
Filed Dec. 8, 1948, Serial No. 570,209. Published Nov. 28, 1950. Class 51.

538,908. Ointment for External Use. Thalmic Incorporated, Baltimore, Md.
Filed Dec. 14, 1948, Serial No. 570,523. Published Oct. 31, 1950. Class 18.

538,909. Waterproof Hats. Bronston Hat Company, Plainfield, N. J.
Filed Dec. 18, 1948, Serial No. 570,764. Published Oct. 31, 1950. Class 39.

538,910. Elastic Girdles and Supporters, Both for Surgical Use. Root Elastic Fabrics, Inc., New York, N. Y.
Filed Dec. 18, 1948, Serial No. 570,793. Published Dec. 5, 1950. Class 44.

538,911. Specially Formulated Solution of Ferrous Sulphate for the Prophylaxis and Treatment of Hypochromic Anemia. Special Milk Products, Inc., Los Angeles, Calif.
Filed Dec. 18, 1948, Serial No. 570,796. Published Oct. 31, 1950. Class 18.

538,912. Diuretic. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Dec. 18, 1948, Serial No. 570,806. Published Nov. 28, 1950. Class 18.

538,913. Fabrics, Composed of Cotton, Wool, Silk, and Synthetic Fibers and Combinations Thereof. Harry Goldinger Textile Corporation, Los Angeles, Calif.
Filed Jan. 3, 1949, Serial No. 571,527. Published Nov. 28, 1950. Class 42.

538,914. Brushes for Indoor and Outdoor Use—Namely, Paint Brushes, Dusting Brushes, Cleaning Brushes, Clothes Brushes, Shoe Brushes, Upholstery Brushes, and Floor Brushes. Los Angeles Brush Mfg. Corp., Los Angeles, Calif.
Filed Jan. 3, 1949, Serial No. 571,562. Published Dec. 12, 1950. Class 29.

538,915. Medicinal Rubefacient; Substance Causing Hyperemia of the Skin. Ciba Limited, Basel, Switzerland.
Filed Jan. 12, 1949, Serial No. 572,020. Published Dec. 5, 1950. Class 18.

538,916. Dental Instruments and Utensils—Namely, Burs; Excavators; Etc. The Amalgamated Dental Company Limited, London, England.
Filed Jan. 14, 1949, Serial No. 572,147. Published Dec. 5, 1950. Class 44.

538,917. Dental Instruments—Namely, Tooth Extracting Forceps, Etc. The Amalgamated Dental Company Limited, London, England.
Filed Jan. 14, 1949, Serial No. 572,149. Published Dec. 19, 1950. Class 44.

538,918. Dental Powder and Mouth Rinse. Wesley J. Richards, doing business as Wesley J. Richards Pharmaceutical Specialties, Santa Monica, Calif.
Filed Jan. 14, 1949, Serial No. 572,207. Published Oct. 31, 1950. Class 51.

538,919. Liniment for the Treatment of Bowed Tendons, Ruptured Tendons, Etc. C. G. Smith Products Company, Blytheville, Ark.
Filed Jan. 18, 1949, Serial No. 572,383. Published Nov. 14, 1950. Class 18.

538,920. Fabrics Faced With Mohair and Backed With Cotton and Used for Upholstery. Goodall-Sanford, Inc., Sanford, Maine.
Filed Jan. 22, 1949, Serial No. 572,561. Published Nov. 28, 1950. Class 42.

538,921. Water Purifying and Softening Apparatus of the Household Type. Troop Water Heater Company, Pittsburgh, Pa.
Filed Dec. 24, 1948, Serial No. 572,623. Published Nov. 28, 1950. Class 31.

538,922. Metal Structural Shapes. Jones & Laughlin Steel Corporation, Pittsburgh, Pa.
Filed Jan. 24, 1949, Serial No. 572,667. Published Nov. 14, 1950. Class 12.

538,923. Men's and Boys' Hats. Rogers Peet Company, New York, N. Y.
Filed Jan. 25, 1949, Serial No. 572,772. Published Oct. 31, 1950. Class 39.

538,924. Steel Concrete Reinforcing Bars. Webrib Steel Corporation, New York, N. Y.
Filed Jan. 26, 1949, Serial No. 572,882. Published Nov. 14, 1950. Class 12.

538,925. Visual Presentation Materials Consisting of a Board and a Set of Indicia Elements Attachable Thereto and Separable Therefrom and Including Instruction Booklets Pertaining Thereto, Adapted To Be Used to Illustrate a Talk or Lecture. Hile-Damroth, Inc., New York, N. Y.
Filed Jan. 28, 1949, Serial No. 572,974. Published Dec. 5, 1950. Class 50.

538,926. Medicinal Preparation in Tablet Form for Use in Cerebral Symptoms Arising From Hypertension or Arteriosclerosis. Drug Specialties, Incorporated, Winston-Salem, N. C.
Filed Feb. 2, 1949, Serial No. 573,172. Published Dec. 5, 1950. Class 18.

538,927. Piece Goods of Rayon and Cotton. Lydia Cotton Mills, Clinton, S. C.
Filed Feb. 5, 1949, Serial No. 573,376. Published Nov. 28, 1950. Class 42.

538,928. Cereal Binder for Use in the Production of Cores and in Facing Materials for Foundry Molds. Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio.
Filed Feb. 9, 1949, Serial No. 573,519. Published June 20, 1950. Class 5.

538,929. Refrigeration Truck Bodies, Cold Rooms for the Refrigeration of Food Stuffs, Refrigerator Store Display Cases, Ice Cream Cabinets, and Refrigerating Cooling Units. Kold-Hold Manufacturing Company, Lansing, Mich.
Filed Feb. 10, 1949, Serial No. 573,661. Published Oct. 17, 1950. Class 31.

538,930. Preparations Containing a Combination of Bacterins or Vaccines To Be Used for the Immunization of Animals Against Diseases of Livestock. American Cyanamid Company, New York, N. Y.
Filed Feb. 15, 1949, Serial No. 573,862. Published Dec. 5, 1950. Class 18.

538,931. Penicillin Compound for Veterinary Use. Bristol Laboratories Inc., Syracuse, N. Y.
Filed Feb. 15, 1949, Serial No. 573,867. Published May 2, 1950. Class 18.

538,932. Corn Plasters, Callus and Bunion Plasters, and Adhesive Coated Felt Sheets for Use by Chiropodists for Treating Foot Disorders. Jung Arch Brace Co., Cincinnati, Ohio, assignor to Jung Products Inc., Cincinnati, Ohio, a corporation of Ohio.
Filed Feb. 17, 1949, Serial No. 574,038. Published Nov. 14, 1950. Class 44.

538,933. Lip Make-Up. The Lipmatch Company, Montreal, Quebec, Canada, assignor to The Lipmatch Company Ltd., Montreal, Quebec, Canada, a company of Canada.
Filed Feb. 17, 1949, Serial No. 574,041. Published Nov. 14, 1950. Class 51.

538,934. Marshmallows. The Shotwell Mfg. Co., Chicago, Ill.
Filed Mar. 9, 1949, Serial No. 575,165. Published Nov. 28, 1950. Class 46.

538,935. Hormone Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Mar. 11, 1949, Serial No. 575,299. Published Apr. 4, 1950. Class 18.

538,936. Paint Brushes and Varnish Brushes. Samuel M. Dell & Co., Incorporated, Baltimore, Md.
Filed Mar. 15, 1949, Serial No. 575,464. Published Dec. 12, 1950. Class 29.

538,937. Photographic Chemicals—Namely, Concentrated Acid Ammonium Thiosulfate Fixing Baths, Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Mar. 22, 1949, Serial No. 575,847. Published Dec. 12, 1950. Class 6.

538,938. Preparation for Use as a Germicide, Disinfectant, Deodorant, and Sterilizing Agent. Theo. Ross, doing business as Theo. Ross Associates, Los Angeles, Calif.
Filed Mar. 23, 1949, Serial No. 575,930. Published Nov. 21, 1950. Class 18.

538,939. Paint Enamel. Grand Rapids Varnish Corporation, Grand Rapids, Mich.
Filed Mar. 28, 1949, Serial No. 576,201. Published Dec. 12, 1950. Class 16.

538,940. Photomechanical and Photoengraving Supplies, Etc. Chemco Photoproducts Company, Inc., Glen Cove, N. Y.
Filed Apr. 2, 1949, Serial No. 576,519. Published Nov. 28, 1950. Class 11.

538,941. Hats. Hyman Abish, doing business as New York Hat & Cap Co., New York, N. Y., assignor to Jay Gee Hat Co., Inc., New York, N. Y., a corporation of New York.
Filed Apr. 5, 1949, Serial No. 576,609. Published Apr. 18, 1950. Class 39.

538,942. Mops, Mop Heads, Brooms. Fickett-Brown Manufacturing Company, Atlanta, Ga.
Filed Apr. 11, 1949, Serial No. 576,910. Published Nov. 28, 1950. Class 29.

538,943. Gummed Tape and Paper in Strip and Roll Form for Sealing Purposes. Hudson Pulp and Paper Corp., New York, N. Y.
Filed Apr. 15, 1949, Serial No. 577,189. Published Nov. 7, 1950. Class 5.

538,944. Surface Coating Material Resistant to Moisture and Certain Solvents, Etc. Maintenance Inc., Wooster, Ohio.
Filed Apr. 19, 1949, Serial No. 577,392. Published Nov. 14, 1950. Class 12.

538,945. Artificial Fish Bait. Hiram H. Hildebrandt, doing business as The John J. Hildebrandt Co., Logansport, Ind.
Filed Apr. 25, 1949, Serial No. 577,670. Published Nov. 21, 1950. Class 22.

538,946. Medicinal Preparation Used as an Elixir or Tonic. Rand Pharmaceutical Co., Inc., Albany, N. Y.
Filed Apr. 28, 1949, Serial No. 577,901. Published May 30, 1950. Class 18.

538,947. Decorated Pieces of Metal or Plastics To Be Used as Ornamental Surfaces or Inlays for Articles Such as Compacts and Cigarette Cases. Alexander Winogradow, New York, N. Y.
Filed Apr. 28, 1949, Serial No. 577,920. Published Nov. 14, 1950. Class 50.

538,948. Antiseptic Composition Made of Waxes and Oils Designed To Be Used in Human Ears To Reduce Noises and Promote Sleep. Sara Alta Askin, Philadelphia, Pa.
Filed Apr. 29, 1949, Serial No. 577,989. Published Nov. 7, 1950. Class 18.

538,949. Chemical Baths for Coating Metal, Replenishing Agents for Such Baths, and Component Ingredients for Both. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 10, 1949, Serial No. 578,501. Published Dec. 19, 1950. Class 6.

538,950. Chlorinated Hydrocarbons and Derivatives Thereof in Solid, Semi-Solid, and Liquid Forms for Various Uses in the Industrial Arts. Union Carbide and Carbon Corporation, New York, N. Y.
Filed May 10, 1949, Serial No. 578,545. Published Dec. 19, 1950. Class 6.

538,951. Halogenated Hydrocarbons Sold as Such as Chemicals of Commerce; Normally Gaseous Chemicals for Use as Propellants and Dispersants. Allied Chemical & Dye Corporation, New York, N. Y.
Filed May 12, 1949, Serial No. 578,672. Published Dec. 19, 1950. Class 6.

538,952. Hormone Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 12, 1949, Serial No. 578,717. Published Oct. 24, 1950. Class 18.

538,953. Gastric Antacid Medicinal Tablets. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,727. Published Dec. 5, 1950. Class 18.

538,954. Non-Greasy Ointment Useful Where a Local Anesthetic, Astringent, and Antipruritic Is Required. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,733. Published Dec. 5, 1950. Class 18.

538,955. Coaster Wagons, Children's Velocipedes, Toy Pistol Holsters, Etc. Belknap Hardware and Manufacturing Company, Louisville, Ky.
Filed May 19, 1949, Serial No. 579,070. Published Nov. 7, 1950. Class 22.

538,956. Piece Goods of Rayon, Nylon, Acetate, Wool, Cotton, and Combinations Thereof. Colonial Mills, Inc., New York, N. Y., now by change of name Robbins Mills, Inc., a corporation of New York.
Filed May 21, 1949, Serial No. 579,265. Published Nov. 28, 1950. Class 42.

538,957. Photographic Chemicals—Namely, Bleach, Dye, Print Lacquer, Masking Lacquer, and Lacquer Thinner. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed May 24, 1949, Serial No. 579,403. Published Dec. 19, 1950. Class 6.

538,958. Railings, Porch Posts, Brackets, Valances, Gates, and Screen Door Grilles, All Made of Ornamental Iron. The R. G. Coffman Co. Inc., Orlando, Fla.
Filed May 25, 1949, Serial No. 579,481. Published Nov. 28, 1950. Class 12.

538,959. Poultry and Farm Animal Feeds, Consisting of Linseed Oilmeal, Etc. Joseph P. Stocker, doing business as King David Feed Company, Omaha, Nebr.
Filed May 28, 1949, Serial No. 579,720. Published Nov. 28, 1950. Class 46.

538,960. Hair Dressing Preparation—Namely, Hair Oil. Willie Wilson, doing business as Fai Dells Products Co., Gary, Ind.
Filed May 31, 1949, Serial No. 579,768. Published Nov. 14, 1950. Class 51.

538,961. Word Building Game in the Nature of Anagrams. Eric G. Clarke, doing business as Eric G. Clarke and Company, Portland, Oreg.
Filed June 1, 1949, Serial No. 579,804. Published Nov. 14, 1950. Class 22.

538,962. Dry Acid Salt Used To Activate Nickel Plate and Stainless Steel Prior to Chrome Plating. MacDermid Incorporated, Waterbury, Conn.
Filed June 1, 1949, Serial No. 579,824. Published Dec. 19, 1950. Class 6.

538,963. Dog Biscuits. Spratt's Patent (America) Limited, London, England, and Newark, N. J.
Filed May 21, 1949, Serial No. 580,168. Published Nov. 28, 1950. Class 46.

538,964. Poultry Feeders. Henry J. Nordenbrock, Springdale, Ark.
Filed June 21, 1949, Serial No. 580,853. Published Dec. 5, 1950. Class 50.

538,965. Woolen Piece Goods. Rudolf Baar, Inc., New York, N. Y.
Filed June 15, 1949, Serial No. 580,454. Published Nov. 28, 1950. Class 42.

538,966. Concentrated Flavoring Extract for Flavoring Foods. Richard William Deckmann, Pittsburgh, Pa.
Filed June 17, 1949, Serial No. 580,649. Published Dec. 12, 1950. Class 46.

538,967. Medicine for Hyperacidity of the Stomach. John Van Der Eems, doing business as Hollandia Importing Company, Hawthorne, N. J.
Filed June 17, 1949, Serial No. 580,652. Published Nov. 7, 1950. Class 18.

538,968. Woolen Fabrics in the Piece. Pacific Mills, New York, N. Y., and Boston, Mass.
Filed June 18, 1949, Serial No. 580,743. Published Nov. 28, 1950. Class 42.

538,969. Household Electric Refrigerators, Refrigerated Storage Lockers for Home and Commercial Use, and Water Softening Plants of the Zeolite Type. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed June 22, 1949, Serial No. 580,882. Published Dec. 12, 1950. Class 31.

538,970. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed June 24, 1949, Serial No. 581,023. Published Nov. 28, 1950. Class 42.

538,971. Men's and Boys' Suits, Top Coats, Sport Coats, and Rain Coats. Stern's Astoria, Inc., New York and Astoria, N. Y.
Filed July 9, 1949, Serial No. 581,741. Published Nov. 14, 1950. Class 39.

538,972. Thiouracil Preparations for Use in Veterinary Medicine and in the Fattening of Livestock. American Cyanamid Company, New York, N. Y.
Filed July 14, 1949, Serial No. 581,924. Published July 18, 1950. Class 18.

538,973. Machines and Equipment for the Manufacture of Ice Cream, Specifically Freezing Units, Automatic Freezers and Holding Cabinets for Ice Cream Mix. Automatic Freezer Company, Cincinnati, Ohio.
Filed July 14, 1949, Serial No. 581,929. Published Oct. 17, 1950. Class 31.

538,974. Bed Spreads, Draperies, Valances, Dressing Table Skirts, Window Curtains, Shower Curtains, Textile Carpets, Woven, Braided, and Hooked Rugs. W. & J. Sloane, New York, N. Y.
Filed July 15, 1949, Serial No. 582,064. Published Nov. 28, 1950. Class 42.

538,975. Brazing Paste. The Glidden Company, Cleveland, Ohio.
Filed Aug. 3, 1949, Serial No. 582,908. Published Dec. 19, 1950. Class 6.

538,976. Dust Collectors, Etc. Turner & Haws Engineering Co., Inc., West Roxbury, Mass.
Filed Aug. 3, 1949, Serial No. 582,931. Published Oct. 17, 1950. Class 31.

538,977. Carbon Paper. Interchemical Corporation, New York, N. Y.
Filed Aug. 2, 1949, Serial No. 583,135. Published Dec. 19, 1950. Class 11.

538,978. Clinical Thermometers, Hypodermic Syringes, Hypodermic Needles, and Blood Pressure Apparatus. Becton Dickinson and Company, East Rutherford, N. J.
Filed Aug. 11, 1949, Serial No. 583,334. Published Nov. 14, 1950. Class 44.

538,979. Ingredients of Feeds—Namely, Dehydrated Alfalfa Meal for Feed Mixtures for Poultry and Animals—Namely, Chickens, Ducks, Geese, Turkeys, Rabbits, Horses, Cattle, Swine, Sheep, and Goats. Kaw Dehydrating Company, Topeka, Kans., assignor to Kaw Dehydrating Company, Topeka, Kans., a corporation of Kansas.
Filed Aug. 12, 1949, Serial No. 583,400. Published Dec. 19, 1950. Class 46.

538,980. Plaques, Statuettes, and Figurines Adaptable for the Removal of Odors and Condensable Vapors From the Atmosphere. Pan American Products, Inc., Springfield Gardens, N. Y.
Filed Aug. 12, 1949, Serial No. 583,409. Published Dec. 19, 1950. Class 6.

538,981. Synthetic Drying Oils and Mixtures Containing Synthetic Drying Oils for Generalized Use in the Industrial Arts. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Sept. 3, 1949, Serial No. 584,442. Published Dec. 19, 1950. Class 6.

538,982. Ribbons of Velvet, Taffeta, Grosgrain, Moire, Rayon, and Silk, and Mixtures Thereof, in Reels, Rolls, and by the Yard. The Bethlehem Silk Company, New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,607. Published Nov. 28, 1950. Class 42.

538,983. Plaster of Paris and Terra Cotta Novelties—Namely, Decorated Statuettes, Figurines, Plaques. Abraham P. Lerman, doing business as Florence Art Co., Chicago, Ill.
Filed Sept. 14, 1949, Serial No. 584,819. Published Dec. 5, 1950. Class 50.

538,984. Child's Pull Toys. Raymond C. Gaston, doing business as Gaston Manufacturing Company, Cincinnati, Ohio.
Filed Sept. 15, 1949, Serial No. 584,862. Published Nov. 7, 1950. Class 22.

538,985. Coated and Uncoated Fabrics of Cotton, Silk, Wool, Flax, Jute, Glass, Asbestos, and Synthetic Fibers. Coast Manufacturing & Supply Company, Livermore, Calif.
Filed Sept. 19, 1949, Serial No. 585,014. Published Nov. 28, 1950. Class 42.

538,986. Piece Goods Wholly or Mainly of Cotton or Rayon. The Calico Printers' Association Limited, Manchester, England.
Filed Sept. 27, 1949, Serial No. 585,367. Published Nov. 21, 1950. Class 42.

538,987. Carbon Paper. Interchemical Corporation, New York, N. Y.
Filed Aug. 2, 1949, Serial No. 585,477. Published Dec. 5, 1950. Class 11.

538,988. Bells. Jenny Krauss, Roscommon, Mich.
Filed Aug. 4, 1949, Serial No. 585,479. Published Dec. 12, 1950. Class 13.

538,989. Sulfonamide Preparation for Use in Antibacterial Therapy. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Sept. 29, 1949, Serial No. 585,546. Published Dec. 5, 1950. Class 18.

538,990. Sandpaper, Abrasive Paper, Abrasive Cloth, and Abrasive Stones and Wheels. The American Floor Surfacing Machine Company, Toledo, Ohio.
Filed Oct. 5, 1949, Serial No. 585,778. Published Nov. 28, 1950. Class 4.

538,991. Dolls. J. Swedlin, Inc., New York, N. Y.
Filed Oct. 7, 1949, Serial No. 585,960. Published Nov. 7, 1950. Class 22.

538,992. Dolls. Izetta Doll Manufacturing Company, Inc., San Francisco, Calif.
Filed Oct. 8, 1949, Serial No. 586,001. Published Nov. 7, 1950. Class 22.

538,993. All Rayon Fabric for Use by the Decorative Fabric Trade. Mooresville Mills, Inc., Mooresville, N. C.
Filed Oct. 14, 1949, Serial No. 586,297. Published Nov. 28, 1950. Class 42.

538,994. Wool Protein, Plasticizers, Protective Colloids for Textile Fabrics, and as an Emulsifier. Botany Mills, Inc., Passaic, N. J.
Filed Oct. 20, 1949, Serial No. 586,586. Published Dec. 19, 1950. Class 6.

538,995. Medicinal Vitamin E Preparation. Wyeth Incorporated, Philadelphia, Pa.
Filed Oct. 20, 1949, Serial No. 586,611. Published Dec. 5, 1950. Class 18.

538,996. Textile Carpets and Rugs. Simon Manges & Son, Inc., New York, N. Y.
Filed Oct. 22, 1949, Serial No. 586,697. Published Nov. 28, 1950. Class 42.

538,997. Textile Carpets and Rugs. Simon Manges & Son, Inc., New York, N. Y.
Filed Oct. 22, 1949, Serial No. 586,698. Published Nov. 28, 1950. Class 42.

538,998. Decks of Playing Cards. Argonaut Enterprises, Inc., Sag Harbor, N. Y.
Filed Oct. 25, 1949, Serial No. 586,784. Published Dec. 12, 1950. Class 22.

538,999. Mechanical Viscous-Impingement Ventilating Air Filters of the Disposable Type Wherein the Entire Filter Is Discarded After Use and Replaced by a New Filter Instead of Being Cleaned. American Air Filter Company, Inc., Louisville, Ky.
Filed Oct. 29, 1949, Serial No. 587,002. Published Nov. 28, 1950. Class 31.

539,000. Window Curtains. Bartmann & Bixer, Inc., New York, N. Y.
Filed Oct. 29, 1949, Serial No. 587,006. Published Nov. 28, 1950. Class 42.

539,001. Toy Wagons and Toy Wheelbarrows. O. E. Thompson & Sons, Ypsilanti, Mich.
Filed Oct. 31, 1949, Serial No. 587,095. Published Nov. 7, 1950. Class 22.

539,002. Woven Fabric of Rayon or Nylon or Mixtures Thereof, Sold by the Piece. Pedigree Fabrics, Inc., New York, N. Y.
Filed Nov. 1, 1949, Serial No. 587,131. Published Nov. 28, 1950. Class 42.

539,003. Awning Fabrics—Namely, Painted Awning Fabric and Woven Awning Fabric, and Cotton Duck in the Piece. John Boyle & Company, Incorporated, New York, N. Y.
Filed Nov. 3, 1949, Serial No. 587,240. Published Nov. 28, 1950. Class 42.

539,004. Medicinal Preparation for the Treatment of Bacterial Infections. The Upjohn Company, Kalamazoo, Mich.
Filed Nov. 3, 1949, Serial No. 587,296. Published Oct. 24, 1950. Class 18.

539,005. Toy Rattles. Rattlelite Corp., New York, N. Y.
Filed Nov. 5, 1949, Serial No. 587,399. Published Nov. 14, 1950. Class 22.

539,006. Fibrous Material in the Form of Sheets or Rolls, Etc. Mark A. Swartz, doing business as Atlantic Fabrics Co., Boston, Mass.
Filed Nov. 9, 1949, Serial No. 587,568. Published Nov. 21, 1950. Class 50.

539,007. Building Cement. Permanente Cement Company, Oakland, Calif.
Filed Sept. 16, 1949, Serial No. 587,593. Published Nov. 14, 1950. Class 12.

539,008. Industrial Synthetic Resins in the Form of Liquid Solutions and Emulsions, Powders, and Lumps. Harry L. Acomb, Wayne, Pa.
Filed Nov. 10, 1949, Serial No. 587,617. Published Dec. 19, 1950. Class 6.

539,009. Men's Suits. Merit Clothing Company, Mayfield, Ky.
Filed Nov. 16, 1949, Serial No. 587,900. Published Oct. 31, 1950. Class 39.

539,010. Improved Water Soluble Multivitamin Dietary Supplement for Infants and Children. Walker Vitamin Products, Inc., Mount Vernon, N. Y.
Filed Nov. 16, 1949, Serial No. 587,919. Published Dec. 5, 1950. Class 18.

539,011. Textile Fabrics in the Piece, of Cotton, Rayon, Wool, Worsted, Protein Fibres, and Mixtures Thereof. Harry Zeller, Inc., New York, N. Y.
Filed Nov. 16, 1949, Serial No. 587,921. Published Nov. 28, 1950. Class 42.

539,012. Horseradish, Barbecue Sauce, and Senf Gurken. Barbecue Jake, Inc., Belleville, Ill.
Filed Nov. 18, 1949, Serial No. 587,999. Published Dec. 19, 1950. Class 46.

539,013. Medicinal Preparation for the Treatment of Duodenal Ulcers and Similar Pathological Conditions of the Gastro-Intestinal Tract. B. M. Sparling, Toronto, Ontario, Canada.
Filed Nov. 26, 1949, Serial No. 588,397. Published Oct. 24, 1950. Class 18.

539,014. Garment Hangers. Coat Conformers, Inc., New York, N. Y.
Filed Nov. 28, 1949, Serial No. 588,427. Published Nov. 14, 1950. Class 50.

539,015. Ammonia, Bluing, Bleach Water, Liquid Starch, and Washing Soda. American Stores Company, Philadelphia, Pa.
Filed Nov. 30, 1949, Serial No. 588,543. Published Dec. 19, 1950. Class 6.

539,016. Canned Fish. Wilbur-Ellis Company, San Francisco, Calif.
Filed Dec. 5, 1949, Serial No. 588,818. Published Dec. 5, 1950. Class 46.

539,017. Child's Collapsible Toilet Seat. Harper Richards, Chicago, Ill.
Filed Dec. 7, 1949, Serial No. 588,969. Published Oct. 17, 1950. Class 13.

539,018. Threaded Bolts, Nuts, Screws, Metal Washers, and Rivets. The H. M. Harper Company, Morton Grove, Ill.
Filed Dec. 13, 1949, Serial No. 589,258. Published Dec. 12, 1950. Class 13.

539,019. Suits, Topcoats, Overcoats, Sports Coats, Trousers, Slacks, Etc. Weber and Heilbroner, Inc., New York, N. Y.
Filed Dec. 13, 1949, Serial No. 589,287. Published Nov. 7, 1950. Class 39.

539,020. Roquefort Cheese Dressing. Mike Rose, Nashville, Tenn.
Filed Dec. 14, 1949, Serial No. 589,335. Published Dec. 12, 1950. Class 46.

539,021. Dietary Supplement for the Treatment of Hypoproteinemia. Schieffelin & Co., New York, N. Y.
Filed Dec. 15, 1949, Serial No. 589,396. Published Dec. 5, 1950. Class 18.

539,022. Playing Cards—Namely, Cards for the Japanese Game, "Hanafuda." Kotake Company, Limited, Honolulu, Territory of Hawaii.
Filed Dec. 16, 1949, Serial No. 589,451. Published Nov. 7, 1950. Class 22.

539,023. Polish Preparation for Cleaning, Finishing, and Preserving Wood. Milsek Chemical Co., Youngstown, Ohio.
Filed Dec. 16, 1949, Serial No. 589,459. Published Nov. 7, 1950. Class 4.

539,024. Fibrous Precoating Filter Material. Industrial Filter & Pump Mfg. Co., Chicago, Ill.
Filed Dec. 22, 1949, Serial No. 589,788. Published Oct. 31, 1950. Class 31.

539,025. Men's and Boys' Trousers and Slacks. Prentis Clothes Corp., New York, N. Y.
Filed Dec. 22, 1949, Serial No. 589,802. Published Oct. 31, 1950. Class 39.

539,026. Liniments for Relieving Muscular Pains. Joseph I. Maura, doing business under the name Maura's, New York, N. Y.
Filed Dec. 23, 1949, Serial No. 589,863. Published Dec. 5, 1950. Class 18.

539,027. Drug Product Used for the Relief of the Discomfort of Sores of the Mouth. John A. Geyer, doing business as John Arthur Geyer Co., Plymouth, N. H.
Filed Dec. 24, 1949, Serial No. 589,897. Published Oct. 24, 1950. Class 18.

539,028. Men's Trousers. John Shannon & Son Limited, Walsall, England.
Filed Dec. 28, 1949, Serial No. 590,035. Published Nov. 28, 1950. Class 39.

539,029. Nurses' Uniforms. White Swan Uniforms, Inc., New York, N. Y.
Filed Dec. 28, 1949, Serial No. 590,045. Published Nov. 28, 1950. Class 39.

539,030. General Analgesic. Endo Products Inc., Richmond Hill, N. Y.
Filed Dec. 29, 1949, Serial No. 590,077. Published Dec. 5, 1950. Class 18.

539,031. General Analgesic. Endo Products Inc., Richmond Hill, N. Y.
Filed Dec. 29, 1949, Serial No. 590,078. Published Dec. 5, 1950. Class 18.

539,032. Shaving Brushes. American Safety Razor Corporation, Brooklyn, N. Y.
Filed Jan. 3, 1950, Serial No. 590,248. Published Nov. 28, 1950. Class 29.

539,033. Rubber Slabs and Rubber Mats. Raleigh Allen, New York, N. Y.
Filed Jan. 4, 1950, Serial No. 590,298. Published Nov. 14, 1950. Class 50.

539,034. Football Shoulder Pads and Hip Pads, and Blocking and Tackling Dummies. Southern Athletic Company, Inc., Knoxville, Tenn.
Filed Jan. 4, 1950, Serial No. 590,332. Published Nov. 14, 1950. Class 22.

539,035. Diuretic Preparation. Winthrop-Stearns Inc., New York, N. Y.
Filed Jan. 13, 1950, Serial No. 590,848. Published Oct. 31, 1950. Class 18.

539,036. Children's Sand Boxes and Play Pools, and Dolls' Baths, Dolls' Beds, Dolls' Gliders, Dolls' High Chairs, Etc. American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa.
Filed Jan. 16, 1950, Serial No. 590,926. Published Nov. 14, 1950. Class 22.

539,037. Cerebral Stimulant Used in the Treatment of Obesity, Mild Depression, Narcolepsy, Post-Encephalitic Parkinsonism, Depression Due to Chronic Alcoholism. Gallia Laboratorres, Inc., New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,027. Published Oct. 31, 1950. Class 18.

539,038. Pharmaceutical Tablet for Use in Treating Obesity. Irwin, Neisler & Company, Decatur, Ill.
Filed Jan. 19, 1950, Serial No. 591,086. Published Oct. 31, 1950. Class 18.

539,039. Cold Tablets. Vick Chemical Company, New York, N. Y.
Filed Jan. 19, 1950, Serial No. 591,130. Published Nov. 7, 1950. Class 18.

539,040. Cold Tablets. Vick Chemical Company, New York, N. Y.
Filed Jan. 19, 1950, Serial No. 591,131. Published Nov. 7, 1950. Class 18.

539,041. Sudsing Cleaner, Cleanser, and Detergent for Industrial and Household Use. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed Jan. 20, 1950, Serial No. 591,146. Published Dec. 5, 1950. Class 52.

539,042. Brassières. Zef Innovations, Inc., New York, N. Y.
Filed Jan. 20, 1950, Serial No. 591,212. Published Dec. 12, 1950. Class 39.

539,043. Pharmaceutical Combination for Treatment of Hypertension. Crookes Laboratories, Inc., New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,335. Published Nov. 7, 1950. Class 18.

539,044. Sulphanilamide-Methyl-Thiodiazole in Dosage Form. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y.
Filed Jan. 25, 1950, Serial No. 591,396. Published Nov. 7, 1950. Class 18.

539,045. Facial Soap. Adolfo N. Castro, New York, N. Y.
Filed Jan. 25, 1950, Serial No. 591,402. Published Dec. 5, 1950. Class 52.

539,046. Container Closures—Namely, Crown Shells, With and Without Liners. Crown Cork & Seal Company, Inc., Baltimore, Md.
Filed Jan. 25, 1950, Serial No. 591,406. Published Nov. 21, 1950. Class 50.

539,047. Boys' Suits and Coats. Sol Fletcher, Inc., New York, N. Y.
Filed Jan. 30, 1950, Serial No. 591,672. Published Nov. 28, 1950. Class 39.

539,048. Therapeutic Agent for the Treatment of Skin Diseases. Angier Chemical Company, Boston, Mass., assignor, by mesne assignments, to Angier Chemical Co., Inc., Boston, Mass., a corporation of Massachusetts.
Filed Feb. 1, 1950, Serial No. 591,763. Published Nov. 14, 1950. Class 18.

539,049. Filter Discs Made of Fibrous Wadding. Union Wadding Company, Pawtucket, R. I.
Filed Feb. 4, 1950, Serial No. 592,009. Published Oct. 31, 1950. Class 31.

539,050. Metal Pipe Fittings. Stanley G. Flagg & Co., Inc., Philadelphia, Pa.
Filed Feb. 8, 1950, Serial No. 592,139. Published Dec. 12, 1950. Class 13.

539,051. Coloring and Finishing Material, in Powder and in Liquid Form, for Use on Leather, Paper, and Textiles. Kepec Chemical Corporation, Milwaukee, Wis.
Filed Feb. 8, 1950, Serial No. 592,151. Published Dec. 19, 1950. Class 6.

539,052. Candy. Switzer Licorice Company, St. Louis, Mo.
Filed Feb. 8, 1950, Serial No. 592,170. Published Dec. 19, 1950. Class 46.

539,053. Medicinal Preparation Containing Aspirin and Ascorbic Acid Used in the Treatment of Symptoms Due to Colds. Organon Inc., Orange, N. J.
Filed Feb. 10, 1950, Serial No. 592,277. Published Nov. 21, 1950. Class 18.

539,054. Medicinal Preparation Used To Control the Production of Thyroid Hormone. Organon Inc., Orange, N. J.
Filed Feb. 10, 1950, Serial No. 592,278. Published Nov. 21, 1950. Class 18.

539,055. Medicinal Preparation Containing Ascorbic Acid, Aspirin, and Antacids, Used in the Treatment of Colds and Conditions Where Antacid Treatment Is Needed. Organon Inc., Orange, N. J.
Filed Feb. 10, 1950, Serial No. 592,279. Published Nov. 21, 1950. Class 18.

539,056. Carbon Black as a Pigment in Inks. Godfrey L. Cabot, Inc., Boston, Mass.
Filed Feb. 11, 1950, Serial No. 592,301. Published Nov. 28, 1950. Class 11.

539,057. Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbasone for Pulmonary Diseases. Schenley Laboratories, Inc., New York, N. Y.
Filed Feb. 13, 1950, Serial No. 592,392. Published Nov. 21, 1950. Class 18.

539,058. Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbazone for Pulmonary Diseases. Schenley Laboratories, Inc., New York, N. Y.
Filed Feb. 13, 1950, Serial No. 592,393. Published Nov. 21, 1950. Class 18.

539,059. Combination Air and Vacuum Relief Valves. McCracken Machine Works, Portland, Oreg.
Filed Feb. 14, 1950, Serial No. 592,433. Published Dec. 12, 1950. Class 13.

539,060. Preparation To Be Applied to the Gums of Teething Babies To Deaden Pain. Durma Products Co., Minneapolis, Minn.
Filed Feb. 15, 1950, Serial No. 592,483. Published Nov. 28, 1950. Class 18.

539,061. Lotion for Use in the Treatment of Poison Ivy Dermatitis. William H. Rorer, Inc., Philadelphia, Pa.
Filed Feb. 15, 1950, Serial No. 592,519. Published Nov. 28, 1950. Class 18.

539,062. Methacrylato Chromic Chloride Used as a Bonding Agent and Adhesive. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Feb. 16, 1950, Serial No. 592,554. Published Nov. 7, 1950. Class 5.

539,063. Play Balls. Pennsylvania Rubber Company, Jeannette, Pa.
Filed Feb. 16, 1950, Serial No. 592,576. Published Dec. 12, 1950. Class 22.

539,064. Furfural Residue, a Pulp By-Product Derived From the Manufacture of Furfural. The Quaker Oats Company, Chicago, Ill.
Filed Feb. 17, 1950, Serial No. 592,664. Published Dec. 5, 1950. Class 1.

539,065. Medicine Comprising a Combination of Methenamine, Sodium Benzoate, Lithium Benzoate, Triticum, Zea, Etc. Borcherdt Malt Extract Company, Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,866. Published Nov. 28, 1950. Class 18.

539,066. Marking Inks, and Marking Ink and Stylus Containers Combined. John P. Nissen, Jr., Company, Glenside, Pa.
Filed Feb. 24, 1950, Serial No. 593,011. Published Nov. 28, 1950. Class 11.

539,067. Medicinal Iodine Preparation for Internal Use, the Therapeutic Components of Which Are Phenobarbital and Compounds of Iodine. Henry K. Wampole & Company, Incorporated, Philadelphia, Pa.
Filed Feb. 24, 1950, Serial No. 593,032. Published Nov. 28, 1950. Class 18.

539,068. Intaglio Ink, News Ink, Lithographic Ink, Printing Ink, Stamp Pads, and Inking Ribbons. Interchemical Corporation, New York, N. Y.
Filed Feb. 25, 1950, Serial No. 593,072. Published Dec. 5, 1950. Class 11.

539,069. Medicinal and Pharmaceutical Preparations in the Form of a Palatable Homogenized Dispersion and Suspension for Oral Administration. McNeil Laboratories, Incorporated, Philadelphia, Pa.
Filed Feb. 25, 1950, Serial No. 593,076. Published Nov. 28, 1950. Class 18.

539,070. Hair Rinse. Rainwater, Inc., New York and Rye, N. Y.
Filed Mar. 1, 1950, Serial No. 593,242. Published Oct. 31, 1950. Class 51.

539,071. Advertising Novelty in the Nature of a Mechanical Sign. Perfect Circle Corporation, Hagerstown, Ind.
Filed Mar. 3, 1950, Serial No. 593,368. Published Dec. 5, 1950. Class 50.

539,072. Pharmaceutical Preparations of Ovarian Hormones for Human Use and Veterinary Use. Ablin Limited, London, England.
Filed Mar. 8, 1950, Serial No. 593,641. Published Dec. 12, 1950. Class 18.

539,073. Wall Paper Pulp Colors in the Nature of Chemical Pigments. Keystone Color Works, Inc., York, Pa.
Filed Mar. 9, 1950, Serial No. 593,669. Published Dec. 19, 1950. Class 6.

539,074. Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Mar. 9, 1950, Serial No. 593,694. Published Dec. 12, 1950. Class 18.

539,075. Deformable Putty-Like Material for Use in the Therapeutic Exercise of the Fingers, Hands, Wrist, and Forearm. Charles Greenbaum, doing business as Thera-Plast Co., New York, N. Y.
Filed Mar. 10, 1950, Serial No. 593,724. Published Nov. 14, 1950. Class 44.

539,076. Antibiotic Preparation in the Form of Ampules. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,815. Published Dec. 12, 1950. Class 18.

539,077. Antibiotic Preparation in Form of Troches. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,817. Published Dec. 12, 1950. Class 18.

539,078. Antibiotic Preparation in Form of Tablets. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,818. Published Dec. 12, 1950. Class 18.

539,079. Aqueous Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,819. Published Dec. 12, 1950. Class 18.

539,080. Antibiotic Preparation for Dental Purposes. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,820. Published Dec. 12, 1950. Class 18.

539,081. Antibiotic Preparation in Form of Capsules. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 11, 1950, Serial No. 593,824. Published Dec. 12, 1950. Class 18.

539,082. Insect Repellent in the Form of Solutions and Suspensions for Use Upon Humans and Other Animals, and Upon Clothing. Whitmire Research Laboratories, Inc., St. Louis, Mo.
Filed Mar. 13, 1950, Serial No. 593,895. Published Dec. 19, 1950. Class 6.

539,083. Antibiotic Preparation for Optical Applications. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 14, 1950, Serial No. 593,931. Published Dec. 12, 1950. Class 18.

539,084. Merchandise Display Forms for Women's, Men's, and Children's Apparel Articles. Sembodja Corporation of New York, New York, N. Y.
Filed Mar. 14, 1950, Serial No. 593,940. Published Dec. 5, 1950. Class 50.

539,085. Yarn Lubricant. Nopco Chemical Company. Harrison, N. J.
Filed Mar. 15, 1950, Serial No. 593,995. Published Dec. 19, 1950. Class 6.

539,086. Anti-Freeze. United Distillers of America, Inc., New York, N. Y.
Filed Mar. 15, 1950, Serial No. 594,004. Published Dec. 19, 1950. Class 6.

539,087. Canned Vegetables. Hanover Canning Company. Hanover, Pa.
Filed Mar. 24, 1950, Serial No. 594,542. Published Dec. 12, 1950. Class 46.

539,088. Canned Vegetables. Old Black Joe Co., Hohenwald, Tenn.
Filed Mar. 24, 1950, Serial No. 594,570. Published Dec. 12, 1950. Class 46.

539,089. Lye. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed Feb. 11, 1950, Serial No. 594,607. Published Dec. 19, 1950. Class 6.

539,090. Watches, Watch Cases, Watch Parts, and Clocks. D. C. Percival & Company, Incorporated, Boston, Mass.
Filed Mar. 25, 1950, Serial No. 594,658. Published Dec. 19, 1950. Class 27.

539,091. Candies and Frozen Desserts—Namely, Ice Cream, Custards, and Sherbets. The Jolly Rancher, Golden, Colo.
Filed Mar. 29, 1950, Serial No. 594,845. Published Dec. 19, 1950. Class 46.

539,092. Brooms. Zimmerman Brush Works, Inc., Chicago, Ill.
Filed Mar. 29, 1950, Serial No. 594,875. Published Dec. 5, 1950. Class 29.

539,093. Preparation Used in the Treatment of Anaemia, Chronic Alcoholism, Diabetes, and Liver Disturbances. Alexandre Debruille, New York, N. Y.
Filed Mar. 31, 1950, Serial No. 594,957. Published Dec. 19, 1950. Class 18.

539,094. Fibre Base Composed of Wood and/or Cotton, Etc. Athol Manufacturing Company, Athol, Mass.
Filed Apr. 5, 1950, Serial No. 595,240. Published Nov. 21, 1950. Class 50.

539,095. Clocks. Crestwood Products Co. Inc., Syracuse, N. Y.
Filed Apr. 6, 1950, Serial No. 595,308. Published Dec. 19, 1950. Class 27.

539,096. Watches and Parts Thereof. Superior Watch Corporation, New York, N. Y.
Filed Apr. 12, 1950, Serial No. 595,624. Published Dec. 19, 1950. Class 27.

539,097. Watches—Namely, Wrist or Strap Watches. Bulova Watch Company, Inc., New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,821. Published Dec. 19, 1950. Class 27.

539,098. Watches—Namely, Wrist or Strap Watches. Bulova Watch Company, Inc., New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,822. Published Dec. 19, 1950. Class 27.

539,099. Pocket and Wrist Watches. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 22, 1950, Serial No. 596,198. Published Dec. 19, 1950. Class 27.

539,100. Material for Chillproofing and Stabilizing Malt Beverages—Namely, Beer and Ale. American Tansul Company, San Francisco, Calif.
Filed May 3, 1950, Serial No. 596,769. Published Dec. 19, 1950. Class 6.

539,101. Piece Goods of Cotton, Rayon, Wool, and Synthetic Fibres. Reeves Brothers, Inc., New York, N. Y.
Filed May 8, 1950, Serial No. 597,095. Published Nov. 21, 1950. Class 42.

539,102. Acetate and Rayon Fabrics in the Piece. Shirley Fabrics Corp., New York, N. Y.
Filed May 23, 1950, Serial No. 597,980. Published Nov. 28, 1950. Class 42.

Service Marks

539,103. Developing and Supervising Programs of Construction of Juvenile Racing Cars and Conducting Amateur Competitive Racing Events for the Purpose of Developing Sportsmanship, Character, Craftsmanship, and Ingenuity in Boys. General Motors Corporation, Detroit, Mich.
Filed Sept. 29, 1947, Serial No. 536,075. Published Dec. 12, 1950. Class 107.

539,104. Underwriting Life, Accident, Health, Casualty, Fire, Marine, and Inland Marine Insurance, Etc. The Travelers Insurance Company, Hartford, Conn.
Filed Oct. 11, 1947, Serial No. 537,636. Published Dec. 19, 1950. Class 102.

539,105. Weather Reporting Services Rendered by Standard and High Frequency Radio Broadcasts. General Teleradio, Inc., Carteret, N. J., by change of name from Bamberger Broadcasting Service Incorporated.
Filed May 18, 1948, Serial No. 557,243. Published Oct. 31, 1950. Class 104.

539,106. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa.
Filed May 25, 1948, Serial No. 557,811. Published Oct. 24, 1950. Class 104.

539,107. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa.
Filed July 10, 1948, Serial No. 561,163. Published Oct. 24, 1950. Class 104.

539,108. Radio and Phonograph Repairing Services. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 2, 1949, Serial No. 573,207. Published Dec. 12, 1950. Class 103.

539,109. Banking and Trust Services, Comprising Commercial Banking, Etc. Bankers Trust Company, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,713. Published Dec. 19, 1950. Class 102.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

539,110. (Class 16. Paints and Painters' Materials.) Wayne N. McCandless, Pontiac, Mich. Original filed, act of 1905, Mar. 11, 1947; amended to application under act of 1946, Supplemental Register, Oct. 25, 1948. Serial No. 518,842.



For Liquid Floor Wax.
Claims use since Jan. 9, 1941.

539,111. (Class 37. Paper and Stationery.) Victor Silson, trading as Victor Silson Company, New York, N. Y. Original filed, act of 1905, Apr. 9, 1947; amended to application under act of 1946, Principal Register, May 26, 1948; amended to Supplemental Register Aug. 5, 1950, Serial No. 520,422.

PAD-O-FONE

For Telephone Support With Pad and Pencil Attached, and Sold as a Unit.
Claims use since Mar. 1, 1947.

539,112. (Class 37. Paper and Stationery.) Byron Weston Company, Dalton, Mass. Original filed, act of 1946, Principal Register, Nov. 13, 1947; amended to application, Supplemental Register, Apr. 21, 1950, Serial No. 541,056.

Weston's Opaque Script

Applicant claims ownership of Registrations Nos. 114,314, 407,884, and 524,930.
For Writing Paper.
Claims use since Oct. 14, 1947.

539,113. (Class 39. Clothing.) Melville Stern, doing business as Lenora Dress Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Apr. 12, 1948; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 554,438.



For Bridal Dresses.
Claims use since April 1944.

539,114. (Class 46. Foods and Ingredients of Foods.) Richgrove-Jasmine Citrus Association, Delano and Richgrove, Calif. Original filed, act of 1946, Principal Register, June 19, 1948; amended to application, Supplemental Register, Oct. 18, 1949, Serial No. 559,732.

FIRST CLASS

Applicant claims ownership of Registration No. 178,441.
For Fresh Citrus Fruits.
Claims use since Nov. 1, 1922.

539,115. (Class 16. Paints and Painters' Materials.) Protection Products Company, Angola, N. Y. Original filed, act of 1946, Principal Register, June 22, 1948; amended to application, Supplemental Register, Sept. 29, 1949, Serial No. 559,943.

PROTECT-O-CHROME

For Liquid Preparation Comprising Lanolin Dispersed in a Vehicle of Petroleum Base Solvent and Applicable to Metal Surfaces To Provide a Transparent Protective Film Thereon To Prevent Corrosion and Rust.
Claims use since May 22, 1948.

539,116. (Class 16. Paints and Painters' Materials.) Nu-Enamel Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, July 15, 1948; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 561,481.

NEOSMALTO

Applicant claims ownership of Registrations Nos. 225,101 and 308,024.
For Paint Enamels.
Claims use since 1934.

539,117. (Class 39. Clothing.) Barclay Corset Company, Newark, N. J. Original filed, act of 1946, Principal Register, Aug. 6, 1948; amended to application, Supplemental Register, Dec. 1, 1950, Serial No. 562,904.

Smart-form

Applicant claims ownership of Registration No. 253,897.
For Dresses, Slips, Nightgowns, and Panties.
Claims use since June 21, 1948.

539,118. (Class 38. Prints and Publications.) The National Secretaries Association, Kansas City, Mo. Original filed, act of 1946, Principal Register, Sept. 13, 1948; amended to application, Supplemental Register, Dec. 14, 1950, Serial No. 565,076.

THE Secretary

For Periodical Containing Information of Interest to Secretaries and Business Women.
Claims use since January 1945.

539,119. (Class 38. Prints and Publications.) Moore-Robbins Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 565,952.

The Advertising Agency

For Magazine Section and a Printed Publication Issued From Time to Time.
Claims use since July 13, 1948.

539,120. (Class 51. Cosmetics and Toilet Preparations.) Bourjois, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, Nov. 8, 1949, Serial No. 566,496.



The drawing is lined for blue and silver. The trademark consists of a blue-colored bottle with a silver-colored cap, both of the design shown in the drawing, there being affixed to the front of the bottle a rectangular silver-colored label bearing the words "Soir de Paris—Bourjois," the word "Bourjois" appearing also engraved into the bottle cap. Applicant claims ownership of Registrations Nos. 389,047, 255,826, 412,982, 120,330, and 340,591.
For Eau de Cologne.
Claims use since 1929.

539,121. (Class 46. Foods and Ingredients of Foods.) The Cudahy Packing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 28, 1948; amended to application, Supplemental Register, Sept. 1, 1950, Serial No. 567,553.

The drawing is lined for the colors yellow, red and blue. Applicant claims ownership of Registrations Nos. 512,896 and 406,841.
For Oleomargarine.
Claims use since May 15, 1948 as to the composite mark.

539,122. (Class 2. Receptacles.) Du Cor Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Oct. 25, 1948; amended to application, Supplemental Register, Dec. 29, 1950, Serial No. 567,568.

Carve-Ease

For Wooden Carving Tray.
Claims use since Sept. 1, 1948.

539,123. (Class 37. Paper and Stationery.) J. J. Lipp Paper Company, Chicago, Ill. Original filed, act of 1946, Principal Register, May 23, 1949; amended to application, Supplemental Register, July 26, 1950, Serial No. 579,333.

FLEX-N-WRAP

For Corrugated Paper.
Claims use since June 1948.

539,124. (Class 39. Clothing.) Plasticap, Inc., Dallas, Tex. Original filed, act of 1946, Principal Register, Aug. 24, 1949; amended to application, Supplemental Register, Nov. 22, 1950, Serial No. 583,945.

Plasticap

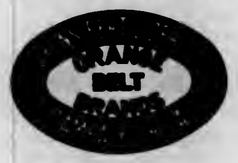
For Plastic Shower Caps.
Claims use since May 1, 1949.

539,125. (Class 2. Receptacles.) Publishers Book Bindery, Inc., Cambridge, Mass. Original filed, act of 1946, Principal Register, Sept. 16, 1949; amended to application, Supplemental Register, Oct. 25, 1950, Serial No. 584,923.

GIFT-PAK

For Boxes Made With Two Lids and Constructed Principally of Paper and Pasteboard.
Claims use since June 8, 1949.

539,126. (Class 10. Fertilizers.) Lyons Fertilizer Company, Tampa, Fla. Original filed, act of 1946, Principal Register, Nov. 8, 1949; amended to application, Supplemental Register, May 17, 1950, Serial No. 586,558.



For Agricultural Fertilizer.
Claims use since July 15, 1924.

539,127. (Class 51. Cosmetics and Toilet Preparations.) Furlow Distributing Co., Amarillo, Tex. Original filed, act of 1946, Principal Register, Nov. 4, 1949; amended to application, Supplemental Register, Nov. 29, 1950, Serial No. 587,326.

Melrose

For Combination Cleansing and Skin Cream.
Claims use since July 1, 1949.

539,128. (Class 46. Foods and Ingredients of Foods.) E. F. Drew & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 23, 1949; amended to application, Supplemental Register, Oct. 10, 1950, Serial No. 588,206.

DREW-VEG

Applicant claims ownership of Registration No. 429,486.
For Composition of Gums, Sugars, and Salt To Be Added to Ice Cream Mixes During the Manufacture Thereof.
Claims use since Oct. 1, 1949.

539,129. (Class 41. Canes, Parasols, and Umbrellas.) Van Lear Woodward & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 2, 1949; amended to application, Supplemental Register, Dec. 14, 1950, Serial No. 588,726.

THROWAY

For Paper Umbrellas.
Claims use since Nov. 28, 1949.

539,130. (Class 38. Prints and Publications.) Leonard E. Janklow, doing business as Gift-O-Greeting Co., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 10, 1949; amended to application, Supplemental Register, Dec. 8, 1950, Serial No. 589,157.

GIFT-O-GREETING

For Greeting Cards, Having a Space for Holding Merchandise.
Claims use since Nov. 29, 1949.

539,131. (Class 39. Clothing.) Jessie Miller Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 10, 1949; amended to application, Supplemental Register, Jan. 8, 1951, Serial No. 589,164.

Reno

For Brassières.
Claims use since June 1, 1949.

539,132. (Class 32. Furniture and Upholstery.) Morton L. Kemper, doing business under the name of Lee Metal Products, Baltimore, Md. Original filed, act of 1946, Principal Register, Dec. 12, 1949; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 589,216.

LEE

For Metal Wardrobes, Metal Utility Cabinets, and Metal Kitchen Base Units.
Claims use since June 18, 1948.

539,133. (Class 6. Chemicals and Chemical Compositions.) Sid Richardson Carbon Co., Fort Worth, Tex. Original filed, act of 1946, Principal Register, Dec. 20, 1949; amended to application, Supplemental Register, Dec. 27, 1950, Serial No. 589,679.



For Carbon Black.
Claims use since Aug. 4, 1949.

539,134. (Class 39. Clothing.) Bristol Manufacturing Corporation, Bristol, R. I. Original filed, act of 1946, Principal Register, Jan. 11, 1950; amended to application, Supplemental Register, Jan. 3, 1951, Serial No. 590,643.

FOOT POSITIONER

For Shoes Made of Canvas, Leather, Rubber, or Combinations Thereof.
Claims use since Sept. 4, 1947.

539,135. (Class 32. Furniture and Upholstery.) H & B Manufacturing Co. Inc., Baltimore, Md. Original filed, act of 1946, Principal Register, Jan. 11, 1950; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 590,660.

Beautichrome

For Chairs, Sofas, Kitchen Tables, End Tables, Console Tables, Coffee Tables, Booths, Bars of the Non-Refrigerating Type, Stools, Dinettes, and Back Bars.
Claims use since Nov. 16, 1949.

539,136. (Class 2. Receptacles.) Chicago Bridge & Iron Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 14, 1949; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 590,782.

WATERSPHERE

For Water Storage Tanks.
Claims use since Nov. 26, 1949.

539,137. (Class 38. Prints and Publications.) Norcross, Inc., New York, N. Y. Filed Dec. 22, 1949, Serial No. 590,858.

BIG 'N LITTLE

For Greeting Cards and Printed Greeting Folders.
Claims use since Feb. 6, 1945.

539,138. (Class 39. Clothing.) Linett Formal Clothing Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 19, 1950; amended to application, Supplemental Register, Nov. 9, 1950, Serial No. 591,093.

Formal-aire

For Men's Jackets and Lightweight Suits for Evening Wear.
Claims use since Oct. 15, 1949.

539,139. (Class 38. Prints and Publications.) Picturette Greeting Card Corp., Corona, N. Y. Original filed, act of 1946, Principal Register, Feb. 3, 1950; amended to application, Supplemental Register, Nov. 22, 1950, Serial No. 591,950.

Picturettes

For Greeting Cards.
Claims use since October 1949.

539,140. (Class 2. Receptacles.) Belmont Burlap Bag Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Feb. 9, 1950; amended to application, Supplemental Register, Dec. 21, 1950, Serial No. 592,186.

"BELMONT"

For Burlap Bags.
Claims use since Dec. 31, 1930.

539,141. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Bartmann & Bixer, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 18, 1950; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 592,694.

WINDO-TIERS

For Window Curtains.
Claims use since Dec. 10, 1949.

539,142. (Class 39. Clothing.) Michaels, Stern & Company, Incorporated, Rochester, N. Y. Filed Mar. 30, 1950, Serial No. 594,912.



Applicant claims ownership of Registration No. 272,090.
For Men's and Boys' Suits.
Claims use since Apr. 1, 1929.

TRADE-MARK REGISTRATIONS RENEWED

35,586. "DIXIE ANTI FRICTION METAL" AND DESIGN. Registered Dec. 11, 1900. Smith-Courtney Company, Richmond, Va., a corporation of Virginia. Renewed Dec. 11, 1950. Antifriction and Bearing Metal. Class 14.

78,499. EDCO. Registered June 21, 1910. Edouard Dubied & Co., Couvet and Aux Isles, Switzerland. Renewed June 21, 1950, to Edouard Dubied & Cie. Société Anonyme, Couvet, Switzerland, a corporation organized under the laws of Switzerland. Valves and Valve Fittings for Automobiles and Cycles, Non-Skid Studs, Rivets, Metal Washers, Etc. Class 13.

78,838. VITREOSIL. Registered July 12, 1910. The Thermal Syndicate Limited, Wallsend-on-Tyme, England. Re-renewed July 12, 1950, to The Thermal Syndicate, Limited, New York, N. Y., a corporation organized under the limited-liability laws of Great Britain and Ireland. Articles of Fused Silica in the Form of Tubes, Plates, Basins, Crucibles, Etc. Class 26.

79,813. REPRESENTATION OF GLADIATORS, ETC. Registered Oct. 11, 1910. Bragno and Mustari. Renewed Oct. 11, 1950, to Francesco Bragno, doing business as Bragno & Company, Chicago, Ill. Olive-Oil. Class 46.

81,061. ENSING. Registered Feb. 28, 1911. Austin Edwards, Limited, Warwick, England, a corporation organized under the laws of the Kingdom of Great Britain and Northern Ireland. Re-renewed Feb. 28, 1951. Photographic Films. Class 26.

81,200. BONNIE LASSIE. Registered Mar. 14, 1911. Clark-Hutchinson Company, Boston, Mass. Re-renewed Mar. 14, 1951, to International Shoe Co., St. Louis, Mo., a corporation of Delaware. Cloth, Canvas, Leather, and Rubber Boots and Shoes. Class 39.

81,796. THERLO. Registered May 9, 1911. Driver-Harris Wire Co. Re-renewed May 9, 1951, to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. Metal Plates, Metal Strips and Uninsulated Metal Wire. Class 14.

81,903. O. I. CO. Registered May 16, 1911. The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio. Re-renewed May 16, 1951. Globe-Valves, Angle-Valves, Swing Check-Valves, and Parts of Such Valves. Class 13.

272,464. "MARY COLEMAN'S DAINTY MAID" ETC. Registered July 8, 1930. Mon Docteur Importing Co., Inc. Renewed July 8, 1950, to Dainty Maid, Inc., Middlefield, Conn., a corporation of Connecticut. Medication for Antiseptic Purposes. Class 18.

272,576. "MARY COLEMAN'S DAINTY MAID" ETC. Registered July 8, 1930. Mon Docteur Importing Co., Inc. Renewed July 8, 1950, to Dainty Maid, Inc., Middlefield, Conn., a corporation of Connecticut. Vaginal Syringes and Douche Bags. Class 44.

273,714. "CREAM-CREST" AND DRAWING. Registered Aug. 12, 1930. General Ice Cream Corporation, Schenectady, N. Y., a corporation of New York. Renewed Aug. 12, 1950. Milk Products—Namely, Fluid Milk, Cream, and Butter. Class 46.

275,382. PLEE-ZING. Registered Sept. 23, 1930. George W. Simmons Corporation, New York, N. Y., assignor to George W. Simmons Corporation. Renewed Sept. 23, 1950, to Plee-Zing, Inc., Evanston, Ill., a corporation of Delaware. Apple Sauce, Boned Chicken Products, Butter, Candied Peel, Etc. Class 46.

275,683. "HAWAIIAN CHIEF" ETC. AND DRAWING. Registered Sept. 30, 1930. Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Territory of Hawaii. Renewed Sept. 30, 1950, to Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Canned Pineapple. Class 46.

275,996. GLORIA. Registered Oct. 7, 1930. G. Fox & Co. Inc., Hartford, Conn., a corporation of Connecticut. Renewed Oct. 7, 1950. Trunks, Valises, Satchels, Portfolios, Etc. Class 3.

277,163. GLORIA. Registered Nov. 11, 1930. G. Fox & Co. Inc., Hartford, Conn., a corporation of Connecticut. Renewed Nov. 11, 1950. Necklaces, Finger Rings, and Bracelets. Class 28.

277,266. KING MAUSOLUS. Registered Nov. 11, 1930. Benisch Brothers, Inc. Renewed Nov. 11, 1950, to Benisch Brothers, Brooklyn, N. Y., a firm. Burial Vaults. Class 2.

277,324. GLORIA. Registered Nov. 11, 1930. G. Fox & Co. Inc., Hartford, Conn., a corporation of Connecticut. Renewed Nov. 11, 1950. Clothes Patterns. Class 26.

277,905. PONTIAC. Registered Dec. 2, 1930. Pontiac Company, Newark, N. J. Renewed Dec. 2, 1950, to Gemex Company, Union, N. J., a corporation of New Jersey. Watch Bracelets, Watch Straps; Watch Attachments—Namely, Watch Chains, Etc. Class 28.

277,982. RIVAL. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas, Oil, and Vapor Burning Water Heaters and Their Structural Parts. Class 34.

277,993. PATROL FLASH. Registered Dec. 2, 1930. The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas-Range-Burner Ignition and Control Devices—Namely, Top-Burner Lighters, Oven-Burner Lighters, Etc. Class 34.

277,996. REX 4 U. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas, Oil, and Vapor Burning Water Heaters; Hot-Water Heating Systems, Etc. Class 34.

278,015. WIL AYES. Registered Dec. 2, 1930. William Lewis Hayes, Atlantic City, N. J. Renewed Dec. 2, 1950. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Etc. Class 51.

278,018. XL. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas, Oil, and Vapor Burning Water Heaters; Hot-Water Heating Systems, Etc. Class 34.

278,019. EMPRESS. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas, Oil, and Vapor Burning Water Heaters; Hot-Water Heating Systems, Etc. Class 34.

278,020. 3 C. Registered Dec. 2, 1930. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 2, 1950. Gas, Oil, and Vapor Burning Water Heaters; Hot-Water Heating Systems, Etc. Class 34.

278,089. "FREDDIES YEAST DONUTS" ETC. AND DESIGN. Registered Dec. 2, 1930. Fred Maier, Jr. Renewed Dec. 2, 1950, to Freddies Doughnuts, Inc., Buffalo, N. Y., a corporation of New York. Doughnuts. Class 46.

278,161. ZEMCO-SIZE. Registered Dec. 9, 1930. The American Cement Paint Company, Rossville, Ga. Renewed Dec. 9, 1950, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. Painter's Sizing for Walls. Class 16.

278,162. ZEMCO-TEX. Registered Dec. 9, 1930. The American Cement Paint Company, Rossville, Ga. Renewed Dec. 9, 1950, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. Dry Paint. Class 16.

278,168. THE TULANE SHIRT. Registered Dec. 9, 1930. J. H. Bonck Co. Renewed Dec. 9, 1950, to J. H. Bonck Company, Inc., New Orleans, La., a corporation of Louisiana. Dress Shirts for Men and Boys. Class 39.

278,243. "LONE STAR" AND REPRESENTATION OF STAR AND DESIGN. Registered Dec. 9, 1930. Texas Fertilizer Company. Renewed Dec. 9, 1950, to Texas Farm Products Company, Nacogdoches, Tex., a corporation of Texas. Fertilizers. Class 10.

279,015. ABSORBINE. Registered Jan. 6, 1931. W. F. Young, Inc., Springfield, Mass., a corporation of Massachusetts. Renewed Jan. 6, 1951. Ointment for Skin Irritations, Boils, Abcesses, Bruises, Sunburn, Etc. Class 18.

279,045. "KATO-KORN" ETC. AND DESIGN. Registered Jan. 6, 1931. George D. Kenyon, doing business as Delta Sales Co., Williamson, N. Y. Renewed Jan. 6, 1951, to Delta Sales Co., Delta, Pa., a firm. Seed Corn. Class 1.

279,149. PARISETTE. Registered Jan. 6, 1931. The Kolynos Company, New Haven, Conn. Renewed Jan. 6, 1951, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Toilet Preparations and Cosmetics—Namely, Rouge, Lip Sticks, Etc. Class 51.

279,167. "KELLOGG" ETC. AND DESIGN. Registered Jan. 6, 1931. Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 6, 1951. Subscribers' Telephone Sets, Operators' Telephone Sets, Etc. Class 21.

279,305. REPRESENTATION OF OBLIQUE BAND OF COLORS LINED FOR GREEN, BLUE AND RED. Registered Jan. 13, 1931. Probak Corporation, New York, N. Y., assignor to Gillette Safety Razor Company. Renewed Jan. 13, 1951, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Razor Blades and Safety Razors. Class 23.

279,325. CLINADOL. Registered Jan. 13, 1931. Clinadol Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 13, 1951. Cod-Liver-Oil Preparation. Class 18.

279,349. "SHELL" AND REPRESENTATION OF SHELL AND WINGS. Registered Jan. 13, 1931. Shell Oil Company, San Francisco, Calif. Renewed Jan. 13, 1951, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Gasoline and Motor Lubricating Oil. Class 15.

279,369. "SERGEANT BURR NISH" AND DRAWING. Registered Jan. 13, 1931. The Hartford Steel Ball Company, Hartford, Conn. Renewed Jan. 13, 1951, to The Hartford Steel Ball Company, West Hartford, Conn., a corporation of Connecticut. Metallic Burnishing Elements in the Form of Balls, Cones, Cylinders, Etc. Class 23.

279,960. ARDENA. Registered Feb. 10, 1931. Elizabeth Arden, Inc. Renewed Feb. 10, 1951, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Cosmetic Creams for the Skin, Lotions for Application to the Skin, Etc. Class 51.

280,303. SUPER-CHLOR. Registered Feb. 10, 1931. G. S. Robins & Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 10, 1951. Deodorizing and Disinfecting Preparation. Class 6.

280,658. DURA KALF. Registered Feb. 24, 1931. Respro, Inc., Cranston, R. I., a corporation of Rhode Island. Renewed Feb. 24, 1951. Artificial Leather. Class 50.

280,845. COLORBRITE. Registered Mar. 3, 1931. Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York. Renewed Mar. 3, 1951. Rubber Bands and Erasers. Class 37.

280,909. "L'INTRIGUE" AND DRAWING. Registered Mar. 3, 1931. Greengard's Vanity Shop, Brooklyn, N. Y. Renewed Mar. 3, 1951, to Parfums Blanchard, New York, N. Y., a copartnership. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Etc. Class 51.

280,974. GA-LITE. Registered Mar. 3, 1931. Cordo-Hyde Company, Brockton, Mass. Renewed Mar. 3, 1951, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. Shoe-Trees and Forms. Class 50.

281,366. SHELLTOX. Registered Mar. 17, 1931. The Asiatic Petroleum Company, Limited, London, England. Renewed Mar. 17, 1951, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Insecticides. Class 6.

281,372. ACE. Registered Mar. 17, 1931. Leon Weinstein, doing business as Security Shoe Supply Co. Renewed Mar. 17, 1951, to Security Shoe Supply Company, St. Louis, Mo., a firm. Toe Plates, Heel Plates, Metal Shanks, and Metal Heel Supports for Shoes. Class 13.

281,477. INVADER. Registered Mar. 17, 1931. Wallace Pencil Company, Maplewood, Mo., a corporation of Missouri. Renewed Mar. 17, 1951. Pencils. Class 37.

281,636. MAY-BE. Registered Mar. 24, 1931. Societe Anonyme Jean Patou, Paris, France. Renewed Mar. 24, 1951, to Jean Patou, Inc., New York, N. Y., a corporation of New York. Perfumes, Toilet Waters, Face Powder, Talcum Powder, Etc. Class 51.

281,845. DURAPLEX. Registered Mar. 31, 1931. The Resinous Products & Chemical Company. Renewed Mar. 31, 1951, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Synthetic Resin Suited for Use in Varnishes, Lacquers, and Other Coating Compositions, Also for Use in Plastic Moulding Compounds, Adhesives, Etc. Class 6.

282,014. "LA CROSS" AND REPRESENTATION OF CROSS. Registered Apr. 7, 1931. Schnefel Brothers, Inc. Renewed Apr. 7, 1951, to Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey. Tweezers for All Purposes Except Dental, Manicure or Surgical Use; House Scissors, Etc. Class 23.

282,040. JO-ED. Registered Apr. 7, 1931. The Vogue Shops. Renewed Apr. 7, 1951, to Mid-Continent Stores, Inc., Kansas City, Mo., a corporation of Delaware. Women's Dresses, Suits, Coats, Hats, Caps, Bonnets, Smocks, Negligees, Pajamas, and Underwear. Class 39.

282,149. FEATURE. Registered Apr. 14, 1931. Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 14, 1951. Writing Paper. Class 37.

282,481. BREEZO. Registered Apr. 21, 1931. Buffalo Forge Company, Buffalo, N. Y., a corporation of New York. Renewed Apr. 21, 1951. Power-Driven Heating and Ventilating Fans and Parts Thereof. Class 34.

282,795. HUGTOP. Registered May 5, 1931. Le Roi Hosiery Co. Inc., New York, N. Y., a corporation of New York. Renewed May 5, 1951. Hosiery. Class 39.

282,878. B-P-M. Registered May 5, 1931. Better Products Machine Company, Lynchburg, Va., a corporation of Virginia. Renewed May 5, 1951. Machine for Cutting Bread, Cake, Pies, and Other Food Products. Class 23.

283,097. "CROXLEY" ETC. AND DESIGN. Registered May 19, 1931. Byron Hat Corporation, New York, N. Y. Renewed May 19, 1951, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Hats for Men. Class 39.

283,150. "SHIRLEY LEE" AND DRAWING. Registered May 19, 1931. Forest City Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed May 19, 1951. Outer Wearing Apparel for Women and Girls—Namely, Dresses and Frocks. Class 39.

283,154. "OIC" AND DESIGN. Registered May 19, 1931. The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio. Renewed May 19, 1951. Valves—Namely, Angle Valves, Blow-Off Valves, Etc. Class 13.

283,155. O I C. Registered May 19, 1931. The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio. Renewed May 19, 1951. Valves—Namely, Angle Valves, Blow-Off Valves, Etc. Class 13.

283,168. "A M C" AND DESIGN. Registered May 19, 1931. The Associated Merchandising Corporation. Renewed May 19, 1951, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Laundry Washing Machines. Class 24.

283,210. FAIRWAY. Registered May 19, 1931. Hood Rubber Company, Inc., Watertown, Mass. Renewed May 19, 1951, to The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio, a corporation of New York. Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes. Class 39.

283,344. PIROBLUE. Registered May 26, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed May 26, 1951. Medicinal Preparations Adapted for the Treatment of Piroplasmosis. Class 18.

283,346. OPTALIDON. Registered May 26, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed May 26, 1951. Medicinal Preparations Having Anodyne Properties. Class 18.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

514,132. "STALEY'S" AND DESIGN. Registered Aug. 23, 1949. A. E. Staley Manufacturing Company, Decatur, Ill. Laundry Starch. Class 6. Corrected as follows: In the statement, lines 17, 18, and 19 should be deleted and *The trade-mark "STALEY'S" was first used in 1912 and first used in commerce among the several States which may lawfully be regulated by Congress in 1918, and the trade-mark as shown was first used on March 1, 1948, and first used in commerce among the several States which may lawfully be regulated by Congress on March 1, 1948.* inserted in lieu thereof; and in line 22 before "is" *STALEY'S* should be inserted.

526,580. "SPECIALIST." Registered June 20, 1950. Johnson & Johnson, New Brunswick, N. J. Splints and Bandages, in Sheet, Etc. Class 44. The drawing is hereby amended to appear as follows:

"Specialist"

Errata

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 119,150, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 84, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 224,032, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 84, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 305,447, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 84, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 386,500, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 85, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 419,924, appearing in the OFFICIAL GAZETTE of July 13, 1948, page 362, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 423,783, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 109, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 428,735, appearing in the OFFICIAL GAZETTE of July 13, 1948, page 348, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 430,098, appearing in the OFFICIAL GAZETTE of July 13, 1948, page 348, is inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 430,415, appearing in the OFFICIAL GAZETTE of July 13, 1948, page 348, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 431,726, appearing in the OFFICIAL GAZETTE of Aug. 3, 1948, page 114, was inadvertent and is vacated.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

406,702. DISH MASTER. Registered Apr. 18, 1944. NuTone, Incorporated. Hydraulic Dishwashing Machines. Class 23. New certificate under section 7(e) issued Mar. 6, 1951, to Dishmaster Corporation, Pontiac, Mich., a corporation of Michigan.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 85,152. Registered Jan. 30, 1912. C. J. Martin & Sons, Austin, Tex. Republished by C. J. Martin and Sons, Inc., Austin, Tex., a corporation of Texas.

C J Martin & Sons

For Insecticides.
Claims use since Sept. 1, 1911.

Reg. No. 131,549. Registered May 18, 1920. C. J. Martin, Austin, Tex. Republished by C. J. Martin and Sons, Inc., Austin, Tex., a corporation of Texas.



For Worm-Exterminator.
Claims use since Feb. 1, 1919.

Reg. No. 390,079. Registered Sept. 9, 1941. C. J. Martin & Sons, Inc., Austin, Tex. Republished by C. J. Martin and Sons, Inc., Austin, Tex., a corporation of Texas.

MARTIN'S TERMI-TREAT

The word "Martin's" is disclaimed apart from the mark as shown.
For Chemical Preparation for Preservation of Wood From Dry Rot, Decay and Termites.
Claims use since Sept. 28, 1939.

CLASS 16

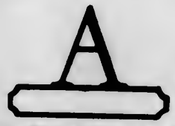
PAINTS AND PAINTERS' MATERIALS

Reg. No. 134,571. Registered Sept. 14, 1920. A. B. Ansbacher & Company, Inc., New York, N. Y. Republished by Ansbacher-Siegle Corporation, New York, N. Y., a corporation of New York.

ANSBACHER

For Dry Paints, Water Paste Paints, and Paint and Varnish Pigments.
Claims use since June 1872.

Reg. No. 134,572. Registered Sept. 14, 1920. A. B. Ansbacher & Company, Inc., New York, N. Y. Republished by Ansbacher-Siegle Corporation, New York, N. Y., a corporation of New York.



For Dry Paints, Water Paste Paints, and Paint and Varnish Pigments.
Claims use since July 2, 1919.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 246,040. Registered Aug. 28, 1928. Organ-Iron Laboratories, Omaha, Nebr. Republished by F & F Laboratories, Inc., Chicago, Ill., a corporation of Illinois.



For Throat Lozenges.
Claims use since Oct. 15, 1927.

Reg. No. 305,635. Registered Aug. 22, 1933. E. T. Browne Drug Company Inc., New York, N. Y., a corporation of New York. Republished by registrant.

PALMER'S

For Ointment for Eczemic Eruptions, Acne, Salt Rheum, Tetter, Ringworm, Erythema, Scall, Barber's Itch, Pimples, and Other Forms of Itching and Parasitic Skin Diseases.
Claims use since about 1840.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 361,422. Registered Oct. 18, 1938. Blackburn Aircraft Limited, Brough, England. Republished by Blackburn and General Aircraft Limited, Brough, England, a corporation organized under the laws of Great Britain.

CIRRUS

For Aircraft Engines.
Claims use since Nov. 3, 1924.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 398,943. Registered Dec. 8, 1942. Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden, a company of Sweden. Republished by registrant.



The words "Orrefors, Sweden" are disclaimed apart from the mark as shown.
For Lamp Globes, Lamp Shades, and Lamp Lenses, Bodies, Pendants, and Decorative Prisms.
Claims use since 1925.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 319,108. Registered Nov. 13, 1934. The Sporting News Publishing Company, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

The Sporting News
NATIONAL BASEBALL WEEKLY

For Weekly Publications.
Claims use since April 1930.

Reg. No. 433,030. Registered Sept. 23, 1947. Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo., a corporation of New York. Republished by registrant, present address New York, N. Y.



The words "An" and "Magazine" are disclaimed apart from the mark as shown.
For Magazines Issued Periodically.
Claims use since Feb. 1, 1946.

Reg. No. 435,411. Registered Dec. 23, 1947. Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo., a corporation of New York. Republished by registrant, present address New York, N. Y.

The Mirth of a Nation

For Magazines Issued Periodically.
Claims use since Nov. 12, 1942.

CLASS 39

CLOTHING

Reg. No. 336,208. Registered June 30, 1936. Lexington Shirt Corporation, Inc., Lexington, N. C. Republished by Lexington Manufacturing Company, Lexington, N. C., a corporation of North Carolina.

Royal Pride

For Work, Negligee, and Dress Shirts.
Claims use since April 1930.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 305,601. Registered Aug. 22, 1933. E. T. Browne Drug Company Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SKIN-SUCCESS

For Ointment and Whitening Cream.
Claims use since about 1840.

Reg. No. 435,109. Registered Dec. 9, 1947. Ansbacher-Siegle Corporation, Staten Island, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

Aquapelant

For Coloring Matter for Cosmetic Materials.
Claims use since Jan. 14, 1947.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 296,319. Registered Aug. 2, 1932. E. T. Browne Drug Company Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SKIN-SUCCESS

For Medicinal and Toilet Soap.
Claims use since on or about the first day of December 1886.

Reg. No. 305,091. Registered Aug. 1, 1933. E. T. Browne Drug Company Inc., New York, N. Y., a corporation of New York. Republished by registrant.

PALMER'S

For Medicinal and Toilet Soap.
Claims use since on or about the first day of December 1886.

PATENTS

GRANTED MARCH 6, 1951

2,543,744

NONFOAMING SOAP COMPOSITION

Arthur L. Fox, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 4, 1946, Serial No. 659,661
5 Claims. (Cl. 252—132)

1. A non-foaming detergent composition consisting essentially of a mixture in proportions of from about 1:2 to about 1:4 of, respectively, an alkali metal soap and a water-soluble synthetic non-ionic surface active polyalkylene glycol ether of a compound selected from the group consisting of long chain aliphatic alcohols containing at least twelve carbon atoms and alkyl phenols containing at least six alkyl carbon atoms, said polyalkylene glycol ether radical containing at least four alkyleneoxy groups.

2,543,745

FUROIC AMIDES OF AMINO NAPHTHOLS

Harry W. Grimmel, Riegelsville, Pa., and Albert F. Strobel, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 14, 1947, Serial No. 734,870
6 Claims. (Cl. 260—345)

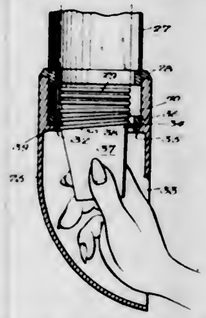
1. 2-furoic amides of an amino naphthol.

2,543,746

CUP DISPENSER

Samuel O. Morrison, Media, Pa.; Ella P. Morrison, executrix of said Samuel O. Morrison, deceased, assignor to Sunroc Refrigeration Company, Dover, Del., a corporation of Delaware

Application July 20, 1948, Serial No. 39,738
2 Claims. (Cl. 312—43)



1. In a dispenser for cups each having an outwardly extending circular rim at one end of each cup, a holder containing a sequence of cups vertically in a position with the rim at the top and the remainder of the cup extending below the rim, the holder having a mouth at the bottom and a resilient rubber-like ring around the mouth which is relatively stiffer at one portion of the circumference and relatively softer at another portion of the circumference, the ring engaging and gripping the rim and being too small to pass the same without distortion, and on distortion the ring passing the rim and dispensing the cup.

2,543,747

PREPARATION OF N.N'-DIARYL DERIVATIVES OF PERYLENE DIIMID

Marvin O. Shrader, Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 27, 1948, Serial No. 46,553
8 Claims. (Cl. 260—281)

1. The process of preparing N.N'-diaryl derivatives of perylene tetracarboxylic acid diimids, which comprises heating a compound selected from the class consisting of a perylene tetracarboxylic acid and the dianhydride thereof with an arylamine while utilizing water as the diluent until diimid formation occurs, the water being present from the time that heating is commenced.

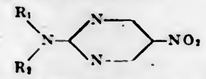
2,543,748

TURKEY ENTEROHEPATITIS CONTROL COMPOSITION

Emanuel Waletzky, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 2, 1949, Serial No. 102,925
5 Claims. (Cl. 167—53.1)

1. A medicated poultry and animal feed containing elements of turkey sustenance and compounds of the general formula



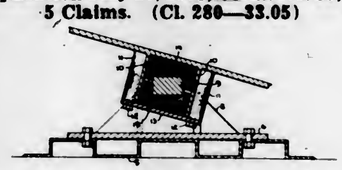
wherein R_1 is chosen from the group consisting of hydrogen and lower alkyl radicals and R_2 is a lower alkyl radical.

2,543,749

TRACTOR FIFTH WHEEL MOUNTING

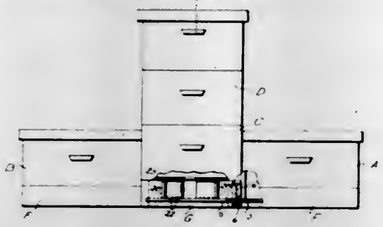
Daniel A. Walther, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio

Application July 17, 1948, Serial No. 39,225
5 Claims. (Cl. 280—33.05)



1. In a fifth wheel arrangement for tractors, of the type having a support, a load-bearing platform pivoted on the support, a fixed pin on the support, means on the platform surrounding the pin, and a matrix of rubber-like material in said means and in contact with the pin, the improvement wherein said pin has a cross-sectional profile other than circular, whereby to form a mechanical interlock with the matrix and said matrix is subjected to compressional strain as a consequence of turning about said pin, and said pin, matrix and means being so positioned and arranged relative to each other that said compressional strain is present when the platform is in horizontal working position and thereby serves to return the platform to idle position.

2,543,750
BEEHIVE
Hugo Albrecht, Baltimore, Md.
Application September 16, 1949, Serial No. 116,169
3 Claims. (Cl. 6—1)



1. A beehive comprising a pair of laterally-spaced brood chambers, bottom boards beneath said chambers, a combined bottom board and queen and drone trap positioned between said bottom boards, a lower super resting upon said special bottom board between said brood chambers, and another super resting upon said lower super, said combined board having screened passages opening to said brood chamber bottom boards.

2,543,751
MONEY STORAGE CONTAINER
Jo W. Atkinson, Colorado Springs, Colo.
Application January 28, 1946, Serial No. 643,943
5 Claims. (Cl. 232—1)

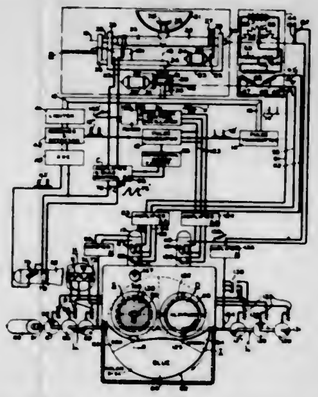


1. A coin storage container comprising a box-like receptacle including end walls and side walls of uniform width, a bottom closure for the container normally positioned within the area defined by the end and side walls and movable to selective positions outside the container to deposit contents of partitioned portions of the interior from the container, aligned slots disposed at intervals throughout opposed side walls of the container, partitioning members of the same width as the side and end walls fitted between aligned slots to divide the interior of the container into a plurality of compartments for the storage of coins of different denomination, each compartment being adapted to receive coins of a single denomination, and means carried by the container for sliding the bottom selectively into register with each of said partitioning members, whereby to cause the coins of an adjoining compartment to fall from the container under gravitational influence.

2,543,752
REFRACTORY AND SEMIREFRACTORY MATERIALS AND PROCESS FOR MANUFACTURE
Leslie W. Austin, San Jose, Calif., and Daniel Rhodes, Alfred, N. Y., assignors to Kaiser Aluminum & Chemical Corporation, Oakland, Calif., a corporation of Delaware
No Drawing. Application March 7, 1950, Serial No. 148,280
18 Claims. (Cl. 106—58)

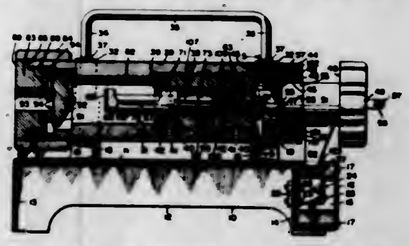
18. A cured, cementitious tile, building unit or the like shaped article of high strength, volume stability and resistance to heat and moisture composed of a mixture steam-treated under pressure and containing a major amount of relatively coarse aggregate bonded by a minor amount of material comprising essentially finely divided magnesia and volatilized silica wherein the ratio by weight of magnesia to silica is from about 5 to 1 to 0.5 to 1.

2,543,753
COLOR ALTIMETRY
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 30, 1943, Serial No. 492,802
29 Claims. (Cl. 343—11)



24. Altimetric apparatus comprising means for scanning a terrain and irradiating same with a beam of collimated electromagnetic energy, means continuously angularly directing said scanner, means receiving reflections from said irradiated terrain and means for translating these reflections into chromatically characterized representations indicative of the distance of said irradiated terrain from said scanner, said chromatic characterization of said representation being dependent upon the cosine of the angle between the vertical position of said scanner and the scanner position at which said terrain is irradiated.

2,543,754
DETONATOR TESTING DEVICE
Ronald O. Beach, Washington, D. C.
Application August 24, 1945, Serial No. 612,521
4 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



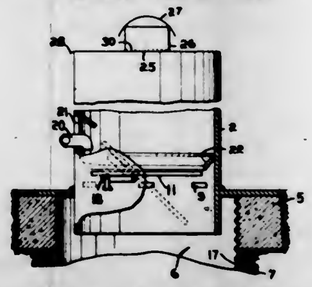
1. A device for testing an electroresponsive detonator and connecting an external electrical test circuit thereto comprising a base member, a reinforced test barrel supported on said base member, a removable test unit rotatable within said barrel, means on said test unit for rotating the unit from an initial safe position to a test position, a pair of spring contact elements secured to said test unit, means including an annular member slideably arranged on said test unit for detachably clamping said detonator to the unit and electrically connecting the contact elements and detonator together as the annular member is moved a predetermined amount on the unit, means including a pair of lugs arranged on said test unit and in engagement with said barrel for locking the unit in said test position, a switch secured to said base member and operatively connected to said contact elements and to said test circuit for closing the test circuit to said detonator as the switch is actuated, and an arm on the test unit for actuating said switch as the test unit is rotated from said safe position and locked in said test position.

2,543,755
AIR INLET OPENING ARRANGEMENT FOR COMBUSTION CHAMBERS
Ferdinand P. Berger, Collingdale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1946, Serial No. 686,068
1 Claim. (Cl. 60—44)



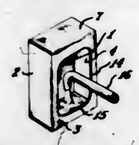
In combustion apparatus for an aircraft power plant, wall structure defining a combustion chamber subject to conditions of high temperature, said wall structure having longitudinally-extending rows of openings for admission of air to said chamber, said openings having straight sides normal to the longitudinal axis of their row connected by semi-circular ends, whereby the openings in a row are separated by parallel-sided strips of wall structure material.

2,543,756
INCINERATOR POSITIONED ABOVE A HOLE IN THE EARTH
Earl J. Bergeron, Houston, Tex.
Application February 13, 1947, Serial No. 728,367
3 Claims. (Cl. 110—18)



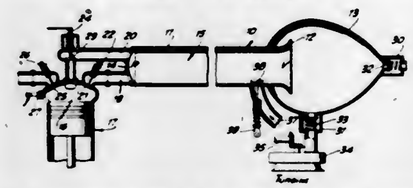
3. In an incinerator adapted to be positioned axially above a hole in earth, a hollow body open at its ends, a flange member about said body and of a larger diameter than the hole below the incinerator, and a portion of said body adapted to extend downwardly into the hole, said body having a hinged cover at its upper end with an opening therein, a chimney about said opening and a cover mounted in spaced relation over said chimney, a tiltable grate in said body, and at least one burner in said body above said grate.

2,543,757
SEALED CARTON AND METHOD
Frank David Bergstein, Cincinnati, Ohio
Application August 12, 1947, Serial No. 768,150
9 Claims. (Cl. 229—5.5)



5. In a sealed package, a collapsible paperboard container, having a tubular body and end closure means, said container being in erected condition with said end closure flaps closed, interior seals for the ends of said carton comprising hardened castings of predeterimned amounts of sealing substance entirely covering the folded flaps at each end, said castings being confined substantially to the area of said flaps and located within said carton, one of the body walls of said carton having a filling opening formed therein of less area than the area of said body wall, and a closure for said filling opening comprising a sheet of substance affixed exteriorly to said body wall and extending across said filling opening.

2,543,758
STANDING WAVE HEAT ENGINE WITH MEANS FOR SUPPLYING AUXILIARY AIR
Albert G. Bodine, Jr., Van Nuys, Calif.
Application June 13, 1947, Serial No. 754,559
17 Claims. (Cl. 60—35.6)

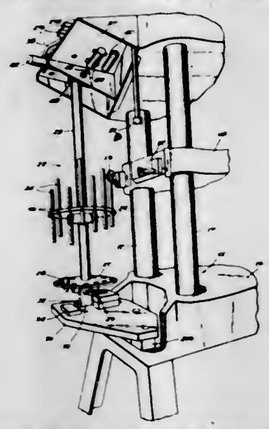


1. A standing wave jet discharge heat engine which includes: a resonant housing defining and containing a fluid column in which may be established a sonic standing wave, having velocity and pressure anti-nodes, means for causing an intermittent combustion of fuel and air at the resonant frequency of said column at said pressure anti-node to create and maintain said standing wave, and a fluid duct arranged and directed to introduce air to said fluid column in the region of said velocity anti-node, said housing being provided with a wave expanding jet discharge fluid outlet leading from said velocity anti-node region of said fluid column.

2,543,759
AUTOMATIC PRESS
Earl Cannon, Downers Grove, and John N. Heater, Flossmoor, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 20, 1948, Serial No. 39,656
20 Claims. (Cl. 60—52)

20. A control mechanism for an hydraulic press device having a working member and an hy-

draulic motor operatively associated therewith for advancing and retracting said member; comprising the combination of control means carried by the working member and operatively con-



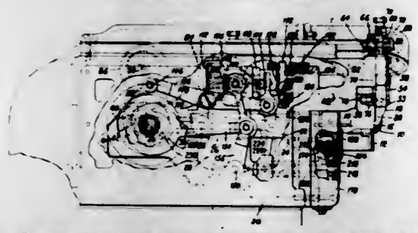
nected to the motor for initiating the return stroke of the working member, and means in the path of said working member on the advance stroke thereof for engaging said control means and actuating the same.

2,543,760

ROUGH ROUNDING MACHINE FOR STITCHDOWN SHOES

Joseph C. Cantley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 1, 1950, Serial No. 147,011
10 Claims. (Cl. 12—85)



1. In a machine for rounding the sole edges of stitchdown shoes, a reciprocatory knife, a guide adapted to be received in the crease between the side of the upper of a shoe and the outwardly flanged margin thereof, a smoothing member situated closely adjacent to the edge of said guide toward which the shoe is advanced as it is progressively presented to said knife, a common mounting for said guide and smoothing member comprising a slide movable to vary simultaneously the relation of said guide and said smoothing member with respect to the line of cut of said knife, and means for adjusting said slide.

2,543,761

HANDSET SUPPORT AND INDUCTION PICK-UP FOR TELEPHONE AMPLIFYING SYSTEMS

John Douglas Chirite, Detroit, Mich.

Application July 21, 1947, Serial No. 762,263
7 Claims. (Cl. 179—1)

1. A telephone device comprising a base support housing a miniature electronic amplifier having input and output circuits and a miniature loud speaker enclosed therein and conforming in contour and lateral dimensions with the shape and size of the base of a telephone desk set of the cradle and receiver-transmitter telephone handset type, the base of said telephone desk set being mounted upon said base support, the said base of said telephone desk including an induction coil traversed by telephone signal currents which pass through said receiver, an auxiliary cradle on said base support adjacent the cradle on the telephone desk set and operative to sup-



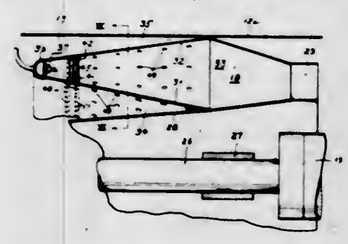
port the telephone handset in substantially reverse horizontal position when the telephone handset is removed from the cradle of said telephone desk set with the transmitter thereof directed upwardly as a pick-up microphone, and means in said base support establishing an electromagnetic coupling with the induction coil in the base of said desk set and connected with the input circuit of said miniature electronic amplifier for impressing upon said miniature electronic amplifier and loud speaker telephone signal currents which traverse said receiver.

2,543,762

LIQUID FUEL AND ATOMIZING RING FOR ANNULAR COMBUSTION CHAMBERS

Willard L. Christensen, Moylan, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 1, 1946, Serial No. 680,698
2 Claims. (Cl. 60—44)



1. In combustion apparatus, wall structure defining a combustion chamber having a circular side wall, a nozzle adapted to spray atomized fuel into said chamber, and a ring secured to said combustion chamber circular side wall in the path of any fuel drops deposited on said side wall by said nozzle, said ring having a fuel-receiving groove in the upstream side thereof facing said nozzle and a plurality of openings through a wall of said groove, and air admission openings in said circular side wall upstream of said groove, pairs of said side wall and groove openings lying in common axially-extending radial planes, whereby some of the air entering said combustion chamber through said side wall openings passes through said groove openings and entrains any liquid fuel in said groove.

2,543,763

ELECTROLYTIC REDUCTION OF HYDROPEROXIDES

Joshua C. Conner, Jr., Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 8, 1949, Serial No. 75,292
8 Claims. (Cl. 204—73)

1. The process of preparing an α,α-dialkylarylmethyl alcohol which comprises electrolytically reducing an α,α-dialkylarylmethyl hydroperoxide in admixture with an electrolytic bath having a pH of at least 7 by passing an electric current through the bath between electrodes inert to the hydroperoxide.

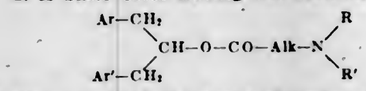
2,543,764

DIARALKYL CARBINYL ESTERS OF DIALKYLAMINO ALKANOATES AND THE PRODUCTION THEREOF

John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois

No Drawing. Application July 2, 1947, Serial No. 758,706
8 Claims. (Cl. 260—482)

1. A basic ester having the formula



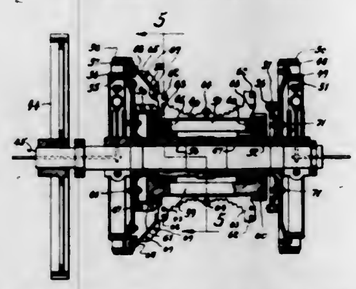
wherein Ar and Ar' are aryl hydrocarbon radicals of the group consisting of phenyl, xenyl and tolyl radicals, Alk is an alkylene radical containing not more than 3 carbon atoms, and R and R' are lower alkyl radicals, and salts thereof.

2,543,765

WINCH FOR CONVERTIBLE DRAGLINES AND SHOVELS

Trevor O. Davidson, Milwaukee, and Bruno L. Lonngren, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application February 5, 1947, Serial No. 726,570
19 Claims. (Cl. 254—185)



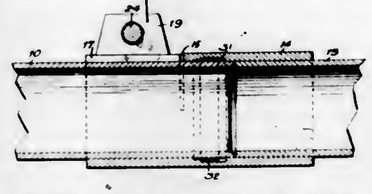
1. In a power-excavator, the combination of: a rotary power source; planetary gearing comprising planet gears, a rotating spider on which the planet gears are journaled, and, two non-planet gears, namely a sun gear and an internal ring gear, each engaging the planet gears; a hoist drum constrained to rotate with the spider; rotary thrusting means; means for clutching one of the non-planet gears to the power source; means for braking the drum; means for clutching the other non-planet gear to the power source; means for braking said gear; means drivingly connecting said gear and the rotary thrusting means to each other; and means for clutching the rotary thrusting means to the power source for reverse rotation.

2,543,766

BARREL EXTENSION AND COUPLING DEVICE FOR ATTACHMENT TO GUN BARRELS

George B. Davis, Jr., Green Acres, Md., assignor to the United States of America as represented by the Secretary of War

Application January 16, 1946, Serial No. 641,554
1 Claim. (Cl. 89—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An extension for attachment to the end of a gun barrel comprising a barrel-engaging collar attached to one end of said extension and extending beyond said extension, said collar having an internal diameter substantially equal to the external diameter of a gun barrel with which the extension may be used, said collar having a partial circumferential split and an axial split extending from the free end of the collar to the circumferential split to provide two curved clamping arms, radially upstanding lugs attached near the ends of said clamping arms, and means for forcibly drawing said clamping arms toward each other, a circumferential groove on the internal surface of said collar between said circumferential split and the region of attachment of said collar to said extension, and a resilient metal obturating ring attached internally at the end nearest to said split collar coaxially therewith and having its other end lying within said groove.

2,543,767

1-HYDROXY-4-POLYFLUOROALKYLAMINO-ANTHRAQUINONE COMPOUNDS

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 27, 1949, Serial No. 73,233
3 Claims. (Cl. 260—380)

1. The anthraquinone compounds selected from the group consisting of 1-hydroxy-4-(β,β-difluoropropylamino)-anthraquinone and 1-hydroxy-4-(β,β,β-trifluoroisopropylamino)-anthraquinone.

2,543,768

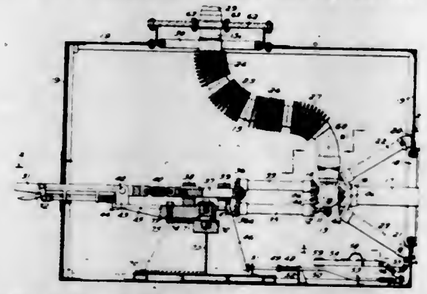
TRANSFER SWITCH FOR HIGH-FREQUENCY HEATING SYSTEMS

Carl E. Ellsworth, Louisville, and Arthur E. Gilbert, near Louisville, Ky., assignors to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application August 20, 1947, Serial No. 769,698
14 Claims. (Cl. 200—8)

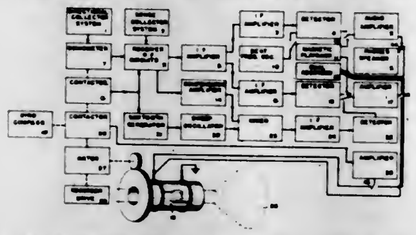
1. A transfer switch comprising a plurality of stationary contacts laterally spaced one from the other, a movable contact, a bracket for supporting said movable contact for rotation relative to

said bracket, actuating mechanism for moving said bracket to move said movable contact into and out of engagement with a selected stationary contact, a flexible conductor having one end se-



cured to said movable contact and having its opposite end anchored in spaced relation thereto, said flexible conductor being effective to produce relative rotation between said stationary contact and said bracket.

2,543,769
DIRECTIONAL INDICATOR
Paul M. Erlandson, United States Navy
Application December 30, 1944, Serial No. 570,721
8 Claims. (Cl. 343—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



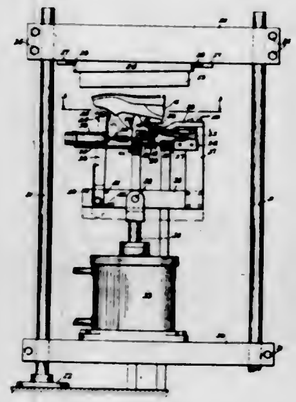
1. In a direction finder system, means for receiving signals, means for producing a first set of impulses from the received signals within the audio range, means for producing a second set of impulses indicative of the received signals, means for producing a third set of impulses indicative of absolute bearing, and means for simultaneously recording the combination of the first and second sets of impulses as well as the third set of impulses.

2,543,770
SELF-SEALING CLOSURE COMPRISING SPRING ACTUATED HINGED DOORS WITH KNIFE EDGES
John C. Fesen and Morris Goldstein, United States Navy
Application November 2, 1945, Serial No. 626,420
1 Claim. (Cl. 222—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



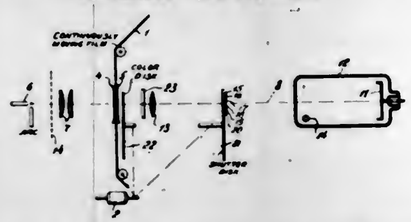
A closure for a dispensing device having an outlet, said closure comprising a body having an opening in alignment with the outlet and defining a path of flow, a pair of independent doors mounted in opposed relation on said body, a pair of hinges on said body on opposite sides of the path of flow for individually mounting said doors for rotary movement relative to said body and a limiting position, said doors in their limiting position extending transversely across the path of flow to close the opening, said doors having knife edges which mate in the limiting positions with the opening closed, a pair of deflecting members disposed along opposite sides of said doors and adapted to seal the mating ends of said knife edges when said doors are in the limiting position with the opening closed, and a pair of compression springs disposed one between each door and said body on the side of the door hinge away from the path of flow, said springs yieldingly urging said doors into the limiting position to close the opening.

2,543,771
AUTOMATIC SOLE LAYING PRESS
Isa Galper, Manchester, N. H., assignor to Bee Bee Shoe Co., Manchester, N. H., a corporation of New Hampshire
Application July 3, 1948, Serial No. 37,031
16 Claims. (Cl. 12—36)



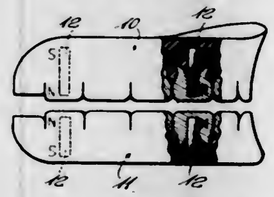
10. In a shoe manufacturing assembly line including a conveyor track, last carriers movable along said track, upstanding spindles projecting from the carriers and adapted to hold shoe lasts slidably thereon, an automatic sole laying press comprising a frame, a resilient pad suspended by the said frame above the conveyor track, a spindle stop comprising a pawl arm pivotally mounted adjacent to the conveyor track and so constructed and arranged as to swing across the path of successive spindles and halt their progress beneath the said pad, means actuated by the last carriers as they approach the pad for swinging the said spindle stop into position to engage a spindle, mechanism for elevating a last and pressing a shoe bottom against the said pad arranged to be actuated by the spindle when the last reaches position under the said pad, an automatic timing means gauging the length of time the shoe bottom is pressed against the said pad, and means controlled by the said timer at the ends of its selected time interval for reversing the action of the said elevating mechanism and retracting the said spindle stop.

2,543,772
COLOR TELEVISION
Peter C. Goldmark, New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application October 3, 1946, Serial No. 700,946
21 Claims. (Cl. 178—5.4)



1. In a television system, the combination which comprises means including an electronic transmitter tube for sequentially scanning an object field to produce a composite video signal having several successive portions alternating in regular sequence, an electron multiplier in said transmitter tube having secondary electron multiplying and output stages for multiplying said composite video signal, and means for sequentially applying a plurality of individually alterable voltages above cutoff to at least one of said stages which multiplies said composite video signal in synchronism with the sequential alternations of said portions of the video signal, whereby the balance between said portions in the video signal may be altered.

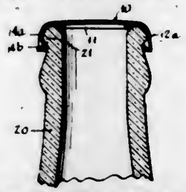
2,543,773
DENTURE
Ernst Emil Goldschmidt, London, England
Application October 7, 1946, Serial No. 701,736
In Great Britain December 29, 1945
7 Claims. (Cl. 32—2)



1. A denture comprising at least one artificial tooth, a supporting structure for said tooth and at least one permanent magnet embedded partly in said tooth and partly in said supporting structure so as to be completely enclosed and positioned to exert magnetic force upon magnetic material in the mouth of a user to assist retention of the denture in its correct position.

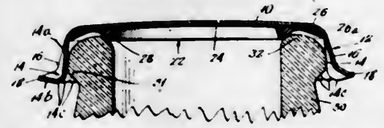
2,543,774
CONTAINER CLOSURE
Henry Z. Gora, Stratford, Conn., assignor to The Gora-Lee Corporation, Stratford, Conn., a corporation of Connecticut
Application March 8, 1949, Serial No. 80,185
2 Claims. (Cl. 215—39)

1. A sheet metal cap of the crown type having a sealing gasket carrying shell comprising a top plate and a depending skirt having a wall portion and a connecting outwardly flared bottom portion terminating in a free edge of single thickness, the skirt having spaced pleats in the wall portion and continuing into the flared portion, said pleats increasing in depth to the juncture of the wall portion and flared portion and thereafter decreasing in depth and having downwardly and outwardly sloping outer edges and permitting contraction of the skirt against a retaining ledge on the exterior of a container neck to hold the cap in sealing relation with the end of the container neck upon application of a capping tool to the downwardly and outwardly sloping edges of said pleats: the improvement which comprises having the pleats in the flared portion terminate with no appreciable height at the free edge of the skirt, the material of the flared portion between the pleats extending outwardly and upwardly from the wall



portion between the pleats at an acute angle with respect thereto and converging with the pleats and merging with the terminals thereof and forming with the terminals of the pleats a substantially unpleated, unruffled inextensible peripheral edge of single thickness which stiffens the skirt against collapsing when the cap is applied to the container by application of capping force to the profiles of the pleats causing the skirt to be sharply bent around the retaining ledge of the neck of the container, the flared portion when so applied being bent inwardly and the peripheral edge being swaged by the capping tool to restore it substantially to unpleated, unruffled inextensible condition which stiffens the skirt against expansion from its contracted condition on the neck of the container.

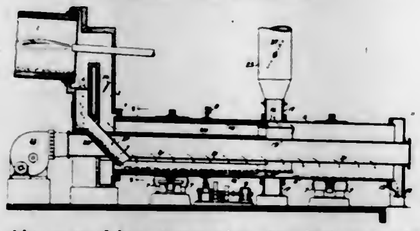
2,543,775
CONTAINER CLOSURE
Henry Z. Gora, Stratford, Conn., assignor to The Gora-Lee Corporation, Stratford, Conn., a corporation of Connecticut
Application April 1, 1949, Serial No. 84,810
3 Claims. (Cl. 215—40)



1. A cap for a container having a mouth formed with a transversely curved lip thereround having an end surface with an annular inner edge, said cap comprising a top plate and a skirt depending therefrom to fit over the mouth of the container and grip a retaining ledge on the exterior of the container adjacent the mouth, and a sealing member on the undersurface of the plate and positioned to be interposed between the plate and the lip of the container to seal the mouth: the improvement wherein said sealing member consists of a unitary thin disk of resiliently deformable elastomer completely covering said plate and having an annular contacting surface adapted to engage the end surface of the lip and consisting of a peripheral marginal portion adapted to substantially over-

lie and engage the outer portion of the end surface of the lip and conform thereto with slight deformation of its material when the cap is secured to the container and an integral preshaped annular ridge, a substantial portion of which is adapted to overlie and engage the inner portion of the end surface of the lip, said ridge having an outer side blending into said marginal portion at a point intermediate the inner and outer edges of the end contacting surface and sloping downwardly and inwardly from said merging point at an obtuse angle with respect to said marginal portion and an inner side extending from the thin central portion of the disk and converging with the outer side at an apex located within the mouth, the ridge being adapted to be flexed inwardly by the lip as the cap is applied to grip the ledge, the resiliency of the flexed ridge, when applied to a container, causing the same to press against an inner portion of the end surface of the lip and the inner edge of said lip in sealing engagement therewith and fill the space between the lip and top plate for various flexed positions of said plate.

2,543,776
APPARATUS FOR COOLING GRANULAR SOLIDS
Elijah C. Greisen, Wauwatosa, Wis., assignor to Allis Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 13, 1944, Serial No. 535,496
3 Claims. (Cl. 34—138)

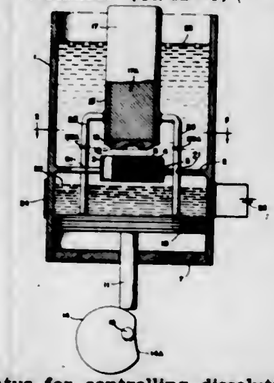


1. Air quenching apparatus for hot granular materials comprising a rotatable drum, means to rotate said drum at a rate such that granular materials received therein will form a well defined tumbling stream confined substantially to a lower quadrant thereof, a startionary air duct extending into the material receiving end of said drum and throughout a substantial portion of the length in spaced relation to the inner surface of said drum, said duct having nozzles directed toward the exposed surface of said stream, a material introducing chute passing from outside said drum obliquely downward through said duct to the space below said duct and within said drum, air circulating means operatively connected to said duct and said drum to induce a current of cooling air into said duct around the said chute and through said nozzles into the interior of said drum, and means to discharge materials from said drum.

2,543,777
SANDPAPER OF IMPROVED DURABILITY HAVING AN ADHESIVE BOND WHICH IS PREDOMINANTLY WATER SOLUBLE
Charles K. Heasley, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application April 4, 1949, Serial No. 85,322
6 Claims. (Cl. 51—300)

4. A flexible abrasive article of the coated abrasive type characterized in that the abrasive grains are bonded to a flexible sheet backing material by an adhesive bond which consists substantially of about 80–65 parts of animal glue as the continuous phase and, uniformly dispersed throughout said glue, correspondingly about 20–35 parts of a water-insoluble, thermoplastic, normally solid organic resin, said resin being substantially completely of a particle size less than 60 microns, the majority of the particles being of a particle size of about 2 to 12 microns.

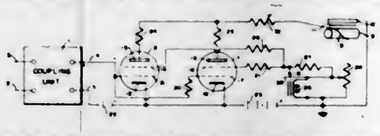
2,543,778
APPARATUS FOR MAKING OPTICAL DEVICES
François Charles Pierre Henroteau, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 14, 1944, Serial No. 558,715
7 Claims. (Cl. 41—9)



1. Apparatus for controlling dissolution of a soluble lens blank to shape the lens to a desired contour, comprising a mold having a shape complementary to said desired contour, means for supporting a soluble lens blank in axial alignment with said mold, means for coating said lens blank with a material non-soluble in the solvent for said lens blank but subject to displacement under pressure of said mold to remove portions thereof from said lens blank, a container containing a lens solvent material disposed about said means for supporting said lens blank, drive means for producing a reciprocating relative movement between said mold and said lens blank support along said axis to alternately produce pressure between said mold and said lens blank, to remove the coating from portions of said blank, and to immerse said blank in said solvent, and means to redistribute said coating over said blank intermediate immersion of said blank and the next successive movement into contact with said mold.

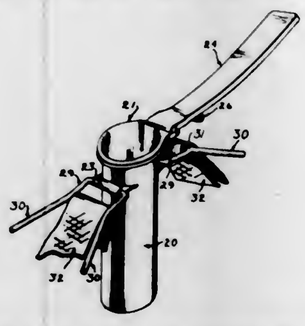
2,543,779
FACSIMILE SAFETY DEVICE
Frank A. Hester, New York, and John W. Smith, Long Island City, N. Y., assignors to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application August 10, 1946, Serial No. 689,791
2 Claims. (Cl. 178—6.6)

1. In a device for electrolytic facsimile recording the combination of at least one thermionic vacuum tube exhibiting constant-current characteristics over at least a predetermined portion of its operating characteristics, including at least a cathode, control grid, screen and anode, a source of direct current, and a pair of recording electrodes, including an electrolytic recording sheet there-between all connected in series between the cathode and plate of said tube, a source of bias and a source of facsimile signals connected in series between the cathode and the control grid of said tube, and protective means



connected between said source of current and the screen grid of said tube including a relay having a pair of contacts and a resistor connected across said contacts adjusted to open said contacts at a predetermined screen current level for limiting the current to said screen grid when said recording electrodes are not in contact with said electrolytic paper.

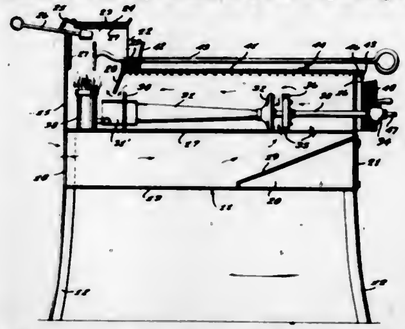
2,543,780
BONE GRAFT APPARATUS
Herbert E. Hipps, Waco, Tex., and Eugene J. Kupjack, Park Ridge, Ill.
Application December 9, 1946, Serial No. 715,121
3 Claims. (Cl. 128—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



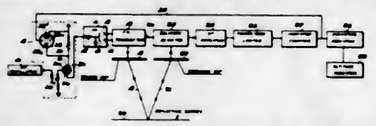
1. Bone graft apparatus comprising a hollow shell withone end plain insertable through a cutaneous incision to a bone break site, means insertable through the shell for operating on and removing portions of the bone, and fastening means including hooks at opposite sides near the other end of the shell, and a shell clamp attachable to each hook having a cross bar pivoted in one of the hooks, outwardly flaring side bars for surface skin engagement, a connecting cross bar spaced from the first cross bar, and an attachment strap extending around the connecting cross bars for holding the plain end against the bone.

2,543,781
BRANDING IRON HEATER
Herman J. Jurgens, Gurley, Nebr.
Application August 6, 1948, Serial No. 42,839
2 Claims. (Cl. 126—229)

1. A heater for cattle branding irons comprising a housing, a horizontal partition in said housing defining upper and lower spaces therein, the front end of the lower space being open and the rear portion of the partition being apertured to allow air to enter the rear portion of the upper space, a gas burner in the forward portion of the upper space, a mixing conduit connected to the burner and extending rearwardly in said upper space, said conduit including an air admission valve at its rear portion, means for connecting the rear end of the conduit to a source of gas fuel, a top cover detachably secured to said housing, the forward portion of the housing being extended vertically to define a hood opening rearwardly over said top cover and overlying said burner, spaced tabs on said top cover defining slots therebetween for receiving branding irons with their ends positioned within the hood, and a transverse hinged closure at the top forward corner of said hood for admitting additional branding irons within the hood, said closure having a depending outer marginal portion engageable with the said additional branding irons.



2,543,782
FREQUENCY MODULATED RADIO-TYPE DISTANCE MEASURING DEVICE
Martin V. Kiebert, Jr., United States Navy
Application May 26, 1945, Serial No. 596,066
3 Claims. (Cl. 343—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In an apparatus for measuring the distance between an object and a reflecting surface having a transmitter, a modulator for cyclically varying the frequency of the transmitted wave, and a detector for combining the transmitted and reflected waves to produce a beat frequency wave: a system for gradually compressing the band over which the transmitted wave is modulated as the beat frequency increases, said system comprising an amplifier tube for supplying an input signal to the modulator, a control tube having a grid, and means coupled between said detector and said control tube for producing a potential substantially proportional to the frequency of the beat frequency wave and for applying said potential to the grid of said control tube, the plate of said control tube being connected to the cathode of said amplifier tube so as to effectively change the current applied to the modulator in accordance with said potential, while maintaining variation of the plate current of said amplifier tube in accordance with the signal applied to the grid thereof.

2,543,783

METHOD OF PURIFYING RUTIN

Charles F. Krewson, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application May 20, 1949, Serial No. 94,531
2 Claims. (Cl. 260—210)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

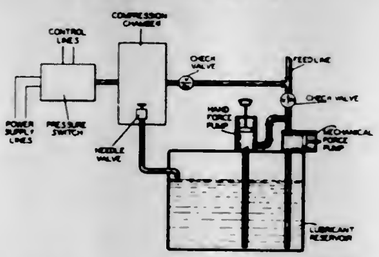
1. The method of separating rutin from a hot aqueous concentrate of crude rutin containing sufficient water to maintain the rutin in solution at boiling temperature, said concentrate having been produced by solvent extraction of rutin-bearing plant material and filtration of the extract to remove fat impurities, comprising quickly cooling the hot aqueous concentrate to a temperature above the freezing point but not in excess of 10° C., maintaining the temperature for about 1 hour to obtain substantially complete crystallization of the rutin, and immediately thereafter removing the rutin from the mother liquor.

2,543,784

LUBRICATION SAFETY DEVICE

Joseph H. Kyle, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 31, 1948, Serial No. 68,639
7 Claims. (Cl. 184—6)



1. In a lubrication device including means for intermittently delivering lubricant under pressure to a feed line, the combination of: a compression chamber, a pressure switch, a conduit connecting said feed line and compression chamber for the periodic delivery of lubricant under pressure to said chamber to increase the pressure therein, a conduit connecting said compression chamber and pressure switch for the application of pressure to said switch, and means for bleeding lubricant from said compression chamber to reduce the pressure therein.

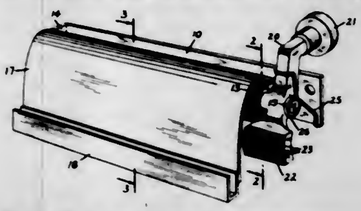
2,543,785

PANEL CONTROL

Basil Lermont, New York, N. Y., assignor to Sutton Patents, Inc., New York, N. Y., a corporation of New York

Application December 21, 1946, Serial No. 717,707
5 Claims. (Cl. 16—197)

1. A device for actuating a closure member slidably movable in guides in a supporting structure, to cover and uncover an aperture in said structure, comprising a bracket member mounted adjacent the edge of said aperture in the direction of movement of said closure member to uncover said aperture, a roller rotatably mounted on said bracket member, a resilient strip of metal coiled about said roller, means at the outer end of said strip for engagement with the edge of said closure member adjacent to said bracket when said member covers said aperture, said strip being uncoiled as said closure member is moved to uncover said aperture and being sufficiently stressed to move said closure member to cover said aperture when uncoiled, and a brake member movably mounted adjacent to said roller for releasable engagement with said closure member.

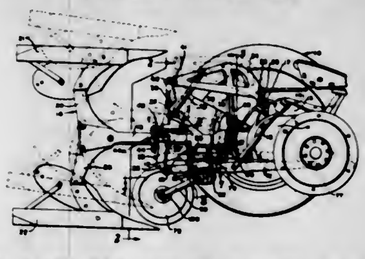


2,543,786

TWO-WAY PLOW ATTACHMENT FOR TRACTORS

Jesse G. Lindeman, Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill., a corporation of Illinois

Application July 16, 1945, Serial No. 605,256
28 Claims. (Cl. 97—26)



1. In a two way plow for use with a tractive vehicle having a pair of tool bars, a third connection and a power means for raising and lowering said tool bars, the combination of: a supporting structure having a detachable connection with said tool bars, a member pivotally connected with the upper portion of said supporting structure and said third connection, said member being adapted to be raised and lowered relatively to said supporting structure by the raising and lowering of said tool bars and supporting structure; a two way plow member supported by said supporting structure so that it may have rotation about a generally fore and aft extending axis so as to bring one or the other of its plows into lowered position; a crank on the forward end of said plow member and means including a vertically disposed member connected at its upper end with said first mentioned member and operatively connected at its lower end with said crank for rotating said plow member from one of its ground engaging positions to the other.

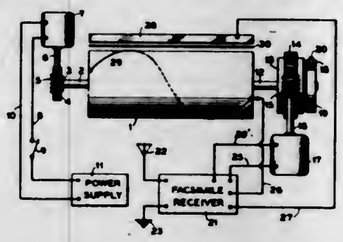
2,543,787

DOUBLE MOTOR DRIVE SYNCHRONIZING SYSTEM

John H. Long, Flushing, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application January 7, 1948, Serial No. 879
7 Claims. (Cl. 178—69.5)

1. In a facsimile system, the combination of: a rotatable device to be rotated at a predetermined synchronous speed, a non-synchronous motor coupled to said device tending to rotate it at greater than synchronous speed, a synchronous motor for holding the speed of said device down to synchronous speed, and unidirectional mechanical coupling means engaging said rotatable device with said synchronous motor only when said device is rotated as fast as synchronous speed determined by the synchronous motor.

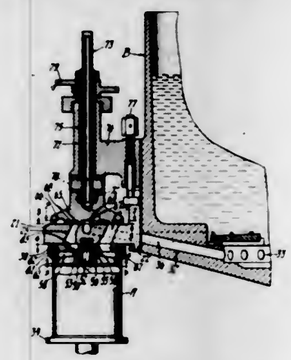


2,543,788

FILLING HEAD HAVING AIR LOCKED CHAMBER FOR FILLING LIQUIDS INTO CONTAINERS

Malcolm W. Loveland, Orinda, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application November 30, 1948, Serial No. 62,654
5 Claims. (Cl. 226—116)



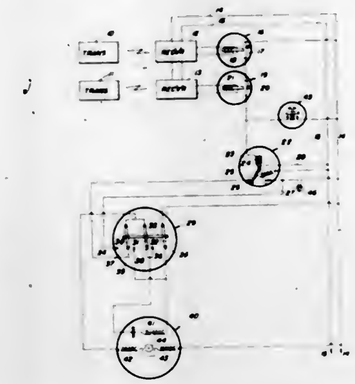
1. In a filling head for filling liquids into containers, the combination of sealing means for sealing off an open end of a container to be filled, means operating through said head for partially vacuumizing the interior of said sealed off container, a liquid chamber in said head having a restricted passageway leading into said vacuumized container, means for passing a volume of liquid greater than the capacity of said container into said liquid chamber to fill the container through said restricted passageway, means in said head for venting residual air displaced from said partially vacuumized container by said entering liquid and for receiving the surplus liquid beyond the capacity of said container from said liquid chamber, and means in said head for admitting air to the top of the container after it is filled with liquid to facilitate removal of the container from said sealing means and to lock the surplus liquid in said liquid chamber against return to said filled container to maintain a predetermined level of the liquid in the container.

2,543,789

AUTOMATIC DOOR OPERATOR

Duncan C. MacMillan, United States Navy

Application July 16, 1946, Serial No. 683,962
4 Claims. (Cl. 318—267)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrical control system for a closure member, a source of electric current, a two-position selector switch connected to said source, a two-position reversing switch, an operating motor adapted to be connected to the closure to open and close the same and connected for energization through said reversing switch to be driven in either direction depending upon the current polarity applied thereto by said reversing switch, circuit means connecting said selector switch with said reversing switch whereby said motor is energized only upon predetermined coincidence in the position of said switches, one of said switches being adapted to be actuated by the closure as it reaches its open and closed positions, respectively, and means for actuating the other of said switches.

2,543,790

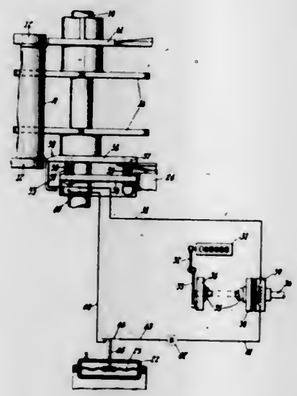
COUNTING DEVICE FOR CAN TESTING MACHINES

William W. Maher, San Francisco, Calif., and Karl Bofinger, Cincinnati, Ohio, assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 8, 1947, Serial No. 790,330
2 Claims. (Cl. 235—98)

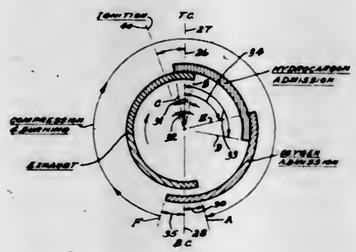
1. A counting device for determining the number of good containers discharged from a testing machine having a diaphragm balanced by air pressures on opposite sides for detecting leakage of air pressure from a container under test, comprising a counter for registering good containers tested and discharged from the machine, a continuously rotating shaft having means including a magnetic clutch disc loosely mounted on the shaft for driving said counter, a magnetic clutch member fixed on said shaft in operative relation to said clutch disc, and an electric circuit connecting with said clutch member, said circuit having a switch connected to and operated by the diaphragm of the testing machine, said switch being held closed by said diaphragm during testing of good containers, a decrease of air pressure on one side of said diaphragm caused by a leaky container under test resulting in movement

of the diaphragm to open said switch and momentarily break the circuit through said clutch to



disconnect said counter from said shaft to interrupt the counting operation.

2,543,791
ENGINE GENERATION OF SYNTHESIS GAS
Jay B. Malin, Whittier, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 25, 1949, Serial No. 112,326
12 Claims. (Cl. 48—212)

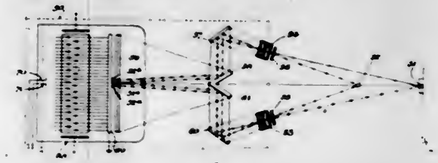


1. In the combustion engine generation of synthesis gas by the reaction of a gasiform hydrocarbon with free oxygen wherein said reactants are separately charged into the combustion space of a cyclically operating, internal combustion engine in approximate relative proportions for the formation of a partial combustion product composed essentially of hydrogen and carbon monoxide, mixed and compressed therein, subjected to internal combustion with the generation of mechanical energy, and the product hydrogen and carbon monoxide is thereafter withdrawn as a relatively pure stream, the improvement which comprises charging such reactants to the combustion space in consecutive order such that the gasiform hydrocarbon is first admitted and the admission of the free oxygen later initiated after substantial prior admission of the hydrogen.

2,543,792
PURIFICATION OF SILVER NITRATE SOLUTIONS
Martin Marasco, New Brunswick, N. J., Louis J. Conrad, Baton Rouge, La., and Jerome A. Moede, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1949, Serial No. 125,166
4 Claims. (Cl. 23—102)

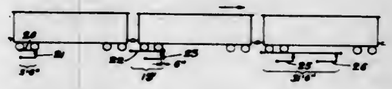
1. A process of purifying an aqueous solution of silver nitrate containing small amounts of heavy and noble metal impurities which comprises bringing the solution into intimate contact with carbon particles, bringing the resulting solution into intimate contact with activated alumina, bringing the resulting solution into intimate contact with silver oxide and separating the aqueous solution of silver nitrate from the silver oxide.

2,543,793
THREE-DIMENSIONAL INTERCOMMUNICATING SYSTEM
Alvin M. Marks, Flushing, N. Y.
Application November 16, 1946, Serial No. 710,316
9 Claims. (Cl. 178—6.5)



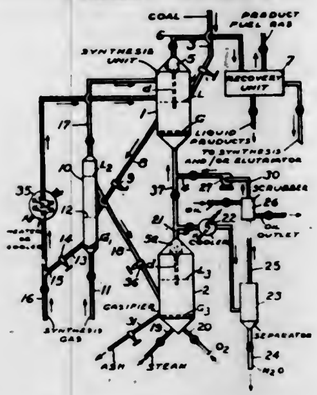
1. In an apparatus for producing three-dimensional pictures, an orthicon tube, an image blocking grating comprising mutually extinguishing light filters, said tube being provided with two collector electrodes to receive light coming through the grating.

2,543,794
TRACK SCALE
Harry Mayer, Chicago, Ill., assignor to Streeter-Amet Company, a corporation of Illinois
Application November 19, 1945, Serial No. 629,596
12 Claims. (Cl. 265—27)



1. A track scale for weighing freight cars of varying length and capacity while in motion and while coupled together, said scale comprising a weigh rail, weight recording mechanism for indicating the weight on the weigh rail at given times, said weigh rail being of a length less than the distance between the front wheel axes of front and rear trucks of the shortest car being weighed but sufficiently longer than a car truck wheel base to permit the truck to be scale borne a sufficient length of time to secure accurate weight, and means including a trip mechanism responsive to the position of a car with respect to the weigh rail and operatively connected to the weight recording mechanism, for actuating said weight recording mechanism each time that a single car truck is scale borne.

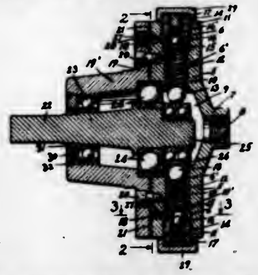
2,543,795
PRODUCTION OF LIQUID AND GASEOUS FUELS BY SYNTHESIS FROM COAL
Ivan Mayer and Henry J. Ogorzaly, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 1, 1949, Serial No. 119,142
7 Claims. (Cl. 48—202)



6. A continuous process for producing a fuel gas of high heating value which comprises charging subdivided coal and a subdivided catalytic material to an initial zone, procuring said coal and said catalyst in the form of a turbulent well-mixed fluidized mass, contacting the said mass with a gas containing hydrogen and carbon monoxide at carbonization and methane synthesis conditions for a sufficient period of time to cause substantial conversion to methane, withdrawing coke and catalyst from the methane synthesis zone and charging them to an elutriation zone, causing a gasiform material to flow upwardly in said elutriation zone in contact with said solids at a low velocity regulated to effect the segregation of two layers of aerated solid, the upper of which is a coke layer and the lower of which is a catalyst-containing layer, withdrawing the catalyst-containing layer from said elutriation zone, adjusting the temperature of the withdrawn catalyst, returning the said catalyst to the methane synthesis zone, withdrawing the coke from the elutriation zone, charging it to a gasifying zone, contacting the coke in the form of a fluidized mass in said last-named zone with steam and oxygen under gasification conditions for a sufficient period of time to effect the desired conversion to gasiform product containing a high proportion of H_2 and CO, withdrawing the gasiform product from said gasifying zone, and thereafter charging said gas containing hydrogen and carbon monoxide to said carbonization and methane synthesis zone and recovering from said carbonization and methane synthesis zone a fuel gas of improved heating value.

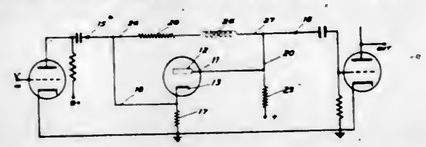
2,543,796
HYDRAULIC PUMP
Leland T. McGee, Los Angeles, Calif.
Application April 18, 1949, Serial No. 88,185
12 Claims. (Cl. 103—174)

1. In a hydraulic pump: a body having a fluid chamber therein with means for connecting it with a source of operating fluid, a cylinder having its intake end open in said chamber and having a check valve at its discharge end to permit discharge of fluid therethrough and prevent back flow thereof, a ball in said cylinder to function as a piston, a spring in said cylinder behind said ball for yieldingly moving it to and through the open intake end of said cylinder, an operating member near the intake end of said cylinder and in operating engagement with said ball for intermittently moving it into said cylinder as a



piston for forcing fluid through said check valve at the discharge end of said cylinder, power means for moving said operating member to intermittently move said ball into said cylinder as a piston, and means for connecting a pipe with the discharge end of said cylinder for conveying said fluid under pressure to a place of use.

2,543,797
RADIO AMPLIFIER CIRCUITS
Irving H. Page, Silver Spring, Md.
Application May 23, 1942, Serial No. 444,282
4 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An attenuator circuit as described for substantially reducing the amplitude of a signal voltage having a large amplitude of a given polarity, said attenuator circuit consisting solely of a rectifying means having two electrodes offering a high impedance to current flow in one direction and a low impedance to current flow in the other direction, a first impedance element, a source of direct current voltage, a second impedance element, said first and second impedance elements offering an appreciable impedance to said signal voltage, all of said aforementioned components being in series circuit relation with each other in the order first named and forming a closed path for the flow of direct current therein, said rectifying means being connected in said series circuit to conduct direct current between said electrodes in the low impedance direction thereof in the absence of any signal input to the said series circuit, means coupled to one of said impedance elements for coupling said signal voltage into said series circuit so as to oppose the direct current voltage applied across said rectifying means from said source of direct current voltage, load coupling means coupled to the other of said impedance means for coupling the signal voltage appearing thereacross to an output load device, a third impedance element offering a substantial impedance to said signal voltage coupled across the electrodes of said rectifying means in series circuit relation with said load coupling means relative to said signal voltage.

2,543,798
PIPE AND CIGARETTE LIGHTER
Byron L. Paige, Camp Campbell, Ky.
Application March 1, 1949, Serial No. 79,085
8 Claims. (Cl. 67—7.1)

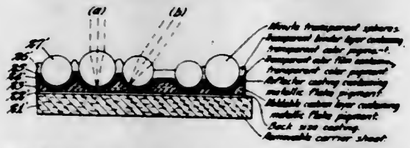


8. A pipe lighter comprising a body having an elongated chimney extending therethrough, said chimney being closed at its top, having a stepped bottom portion and communicating with the atmosphere at both ends thereof, a first wick projecting into the chimney adjacent one of said ends into the lower portion of said stepped bottom, a second wick projecting into the upper portion of said stepped bottom of the chimney between said first wick and the other of said ends, whereby the second wick is spaced from said first wick both longitudinally and laterally of said chimney, and means to ignite said first wick whereby the flame of the first wick will ignite said second wick and will create convection currents within the chimney so as to provide sufficient air for maintaining combustion of said second wick.

2,543,799
ADHESIVE
Philip V. Palmquist, New Canada Township, Ramsey County, and Donald J. Douglas, Mendota Township, Dakota County, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application May 22, 1947, Serial No. 749,878
3 Claims. (Cl. 260—21)

1. A long-aging liquid adhesive composition suitable for permanently and smoothly bonding sheet material to solid surfaces in accurately positioned relationship thereto, comprising a blend of (1), 50 parts by weight of a partially cured amino-aldehyde-alcohol resin having a xylol turbidity number of 93–98, (2) from 25 to 45 parts by weight of a compatible hydroxylated plasticizer having an acetyl value of at least 30 and a viscosity such that the product of the acetyl value times the viscosity is at least 500, (3), an acidic curing agent, and (4), a volatile solvent.

2,543,800
REFLEX LIGHT REFLECTOR
Philip V. Palmquist, New Canada Township, Ramsey County, and Raymond E. Penrod, Minneapolis, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application December 5, 1947, Serial No. 789,976
2 Claims. (Cl. 88—82)



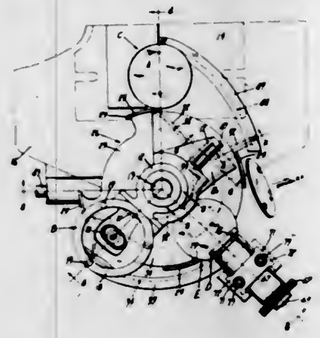
1. A flexible and stretchable colored reflex light reflector sheet adapted to be made in roll form and to be readily cut into pieces in making outdoor signs and markers, comprising a beaded self-sustaining non-fibrous film structure having a single layer of minute transparent spheres whose effective refractive index is approximately 1.9, there being upwards of 10,000 per square inch; a continuous transparent color film shaped and bonded to the inner surfaces of the spheres and compounded of a substantially non-thermoplastic flexible and stretchable film-forming composition blended with transparent color pigment, the thickness of said color film being less than one mil; a transparent flexible and stretchable thermosetting binder coating containing transparent color pigment, overlying said color film and located between the spheres to hold them in position with the front surfaces of the spheres projecting therefrom; an underlying flexible and stretchable reflector coating compounded of transparent film-forming material blended with metallic flake pigment, shaped and bonded to the back surface of said color film to provide a continuous semi-specular reflective surface which is concentric to the back surface of each sphere; and an underlying flexible and stretchable moldable cushion layer indented behind each sphere and shaped and bonded to the back surface of said reflector coating, the cushion layer being compounded of a thermoplastic plasticized elastomer blended with a finely divided solid filler and being in an annealed state so that it is substantially free of any tendency to eject the indented spheres; said reflector sheet having been pressurized during manufacture so as to force the spheres into the underlying film structure and cause the thereby indented cushion layer, serving as a resilient and yieldable die, to stretch the color film and reflector coating around the back portion of each sphere, and having thereafter been heated to cure the binder coating and anneal the cushion layer, thereby stabilizing the structure in the previously described final state.

2,543,801
PROCESS FOR THE PREPARATION OF SHAPED POLYVINYL ALCOHOL OBJECTS
Gordon Derby Patterson and Henry Moroni Stark, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 20, 1948, Serial No. 28,276
10 Claims. (Cl. 260—41)

1. A process for preparing water-insoluble shaped objects from a water-soluble polyvinyl alcohol wherein an aqueous solution of a polyvinyl alcohol containing 10–100%, by weight of the polyvinyl alcohol, of aluminum oxide in the form of an aqueous sol, is formed into a shaped object and the water is removed from the shaped object.

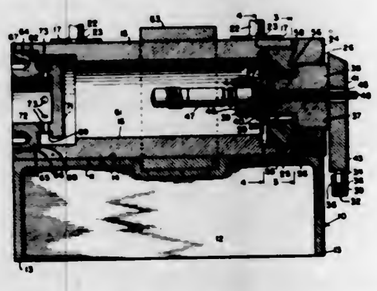
2,543,802
SORTING MECHANISM FOR BLANKS
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1947, Serial No. 721,946
6 Claims. (Cl. 209—91)

1. In a mechanism for feeding blanks and for segregating those in excess of a predetermined thickness, the combination of a rotatable turret having a plurality of pockets for receiving and for advancing blanks along a curved path of travel, rotating thickness detecting instrumentalities located in said path of travel for engaging blanks having a thickness in excess of a predetermined thickness to advance them along a different path, and a gate located in the curved path of travel of the blanks and having a cam surface engageable by blanks of acceptable thick-



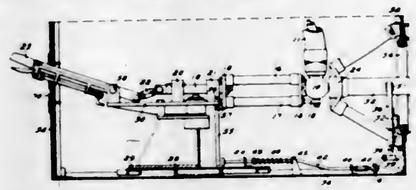
ness to move said gate out of its path, said gate having also a guide surface for the blanks of excessive thickness moved along said different path by said rotating instrumentalities to prevent their continuance along said curved path.

2,543,803
DETONATOR TESTING DEVICE
Robert S. Prescott, Washington, D. C.
Application October 9, 1945, Serial No. 621,398
5 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A detonator testing device of the class described for connection to an electrical test circuit comprising a base member, a barrel supported on said base member, an annular member for reinforcing said barrel intermediate the ends thereof, a removable detonator holder having a recess in one end thereof for detachably supporting a detonator therein, said detonator holder being adapted to be inserted into said barrel and rotated therein to a locked position, means including a pair of lugs on said detonator holder and in engagement with said barrel for locking said detonator holder within said barrel when the detonator holder has been rotated a predetermined amount, means including a normally open switch on said base member for electrically connecting the detonator to said test circuit as the switch is closed, and an arm on the detonator holder for closing said switch as the detonator holder is rotated to said locked position.

2,543,804
GROUNDING ARRANGEMENT FOR HIGH-FREQUENCY TRANSFER SWITCHES
Austin Proctor, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application August 20, 1947, Serial No. 769,660
7 Claims. (Cl. 200—4)



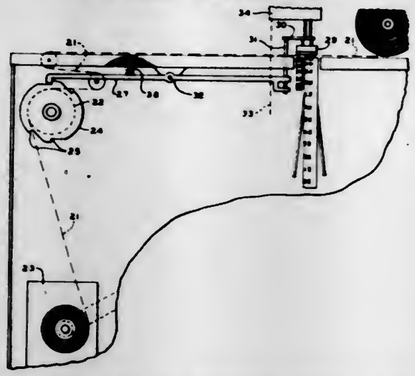
1. A transfer switch having a plurality of stationary contacts and a rotatable contact selectively movable into and out of engagement respectively with a selected one of said stationary contacts, at least one grounding arm for each stationary contact, pivotal mounting means for said arm, biasing means normally holding said arm in position to connect its associated stationary contact to ground, and actuating structure including a reciprocative member for moving said rotatable contact into engagement with a selected stationary contact and for rotating the associated one of said grounding arms out of grounding position with respect to said selected stationary contact while leaving all other of said grounding arms connected for grounding their respective stationary contacts, and for again grounding said selected contact before rotation of said rotatable contact toward another stationary contact.

2,543,805
METHOD OF PRODUCT CONTROL IN SUSPENSION POLYMERIZATIONS
Robert C. Reinhardt, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application July 18, 1945, Serial No. 605,825
1 Claim. (Cl. 260—87.7)

In the suspension polymerization of vinylidene chloride and mixtures thereof with a monomer selected from the group consisting of vinyl chloride, vinyl acetate, vinyl butyrate, styrene, acrylonitrile, esters of acrylic acid and esters of methacrylic acid, wherein vinylidene chloride predominates, and which normally pass during polymerization from a liquid to a sticky agglomerative state and thence to a non-sticky granular condition, the steps which include: maintaining a polymerization temperature in a constantly agitated aqueous suspension of from 0.2 to 1 part by weight of non-sticky granular particles consisting of at least 20 per cent of the desired polymer, any balance being essentially the corresponding monomer, for each part by weight of water, and in the absence of an emulsifying agent; adding thereto a suspension of the corresponding monomeric material and a polymerization catalyst, in water, in a ratio and at a rate to maintain in the system not over 4 parts of monomer for each part by weight of polymer, while withdrawing therefrom suspended polymer at a rate equivalent to the rate of monomer feed, thereby maintaining a steady state in the system and a non-sticky granular condition in the disperse particles throughout their residence in the polymerization

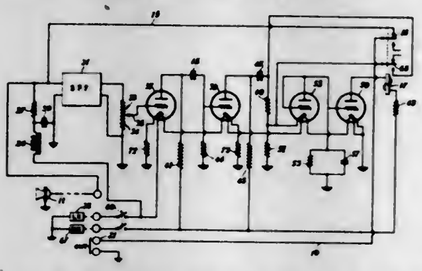
zone; and recovering the non-sticky polymer particles from the withdrawn portion of the reaction mixture.

2,543,806
MOTION WEIGHING
Harry M. Roeser, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1945, Serial No. 579,711
7 Claims. (Cl. 265—27)



3. A track scale for weighing freight cars of varying length and capacity while in motion and while coupled together, said scale comprising a weigh rail, weight recording mechanism for indicating the weight on the weigh rail at given times, said weigh rail being of a length less than the distance between the front wheel axes of front and rear trucks of the shortest car being weighed but sufficiently longer than a car truck wheel base to permit the truck to be scale borne a sufficient length of time to secure accurate weight, and means including a trip mechanism responsive to the position of a car with respect to the weigh rail and operatively connected to the weight recording mechanism, for actuating said weight recording mechanism each time that a single car truck is scale borne, said weight recording mechanism including means for segregating for ready identification the weights recorded by successive trucks.

2,543,807
VOICE OPERATED RELAY
Donald M. Saling, Poughkeepsie, N. Y., assignor to ATF Incorporated, a corporation of New Jersey
Application March 28, 1946, Serial No. 657,712
7 Claims. (Cl. 179—1)

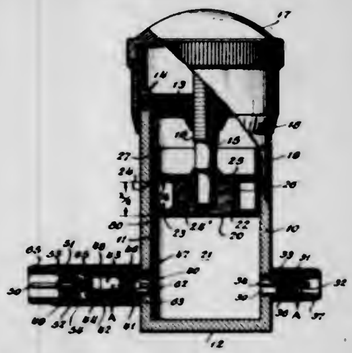


1. In a telephone system adapted to operate under high noise level conditions, a microphone, a speech transmission circuit fed thereby, a relay operating circuit connected to said speech circuit to receive the output of said microphone jointly therewith, said relay operating circuit having means providing at least two degrees of sensitivity and means including a filter for deriving from said output a restricted band of speech frequencies comprising a relatively high proportion of total speech energy and a relatively low proportion of total noise energy, and a relay actuated by said operating circuit in response to the output of said filter means and adapted jointly to control the effectiveness of said speech circuit and the sensitivity of said operating circuit, thereby to control the noise transmitted over said speech circuit and the effect of noise on said relay, respectively.

2,543,808
METHOD OF PREPARING FIBRINOGEN
Walter H. Seegers, Detroit, Eugene C. Loomis, Grosse Pointe Park, and Arnold G. Ware, Royal Oak, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 26, 1946, Serial No. 718,622
14 Claims. (Cl. 167—74)

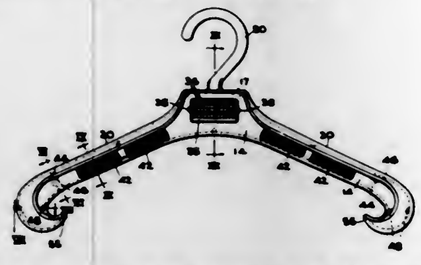
1. Process for obtaining a highly purified fibrinogen product which comprises melting frozen plasma while maintaining the residual fibrinogen at about 0° C., collecting and washing said residual fibrinogen with three to six portions of dilute saline at about 0° C., the volume of said portions of dilute saline being more than about one-fourth but less than about one-half the volume of the residual fibrinogen, dissolving the washed fibrinogen in a minimal quantity of dilute saline at a temperature between 15 and 40° C. and separating the undissolved material from the resulting solution.

2,543,809
COUPLING LOOP
Samuel Sensiper, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 8, 1946, Serial No. 639,725
7 Claims. (Cl. 178—44)



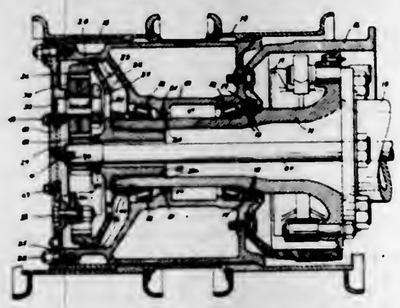
1. A cylindrical-shaped cavity resonator having a longitudinal axis and adapted to contain an oscillating electromagnetic field having a predetermined plane of polarization, an input coupling member and an output coupling member, each of said members being formed substantially in the shape of a right angle and having one of its legs disposed along a line tangent to the cylindrical wall of said cavity resonator, said leg being disposed in a plane perpendicular to said longitudinal axis of said cavity, and each of said members having a remaining leg projecting outward from the said cavity resonator, said coupling members being positioned exteriorly of said cavity resonator.

2,543,810
GARMENT HANGER
Richard Sklaar, Rochester, N. Y., assignor, by mesne assignments, to K. & S. Corp., Baltimore, Md.
Application February 5, 1945, Serial No. 576,195
2 Claims. (Cl. 223—86)



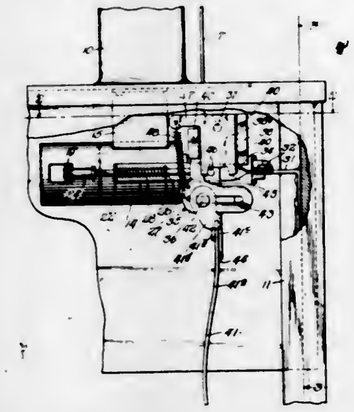
1. A garment hanger formed of a pair of complemental molded plastic parts united along a junction plane extending at a slight inclination to the vertical, said plastic parts having opposed cavities formed therein, a supporting hook for the hanger at the central part thereof having a base portion adapted to be embraced between said parts, a hollow chamber formed between the facing cavities in each of said parts for the reception of volatile insecticidal material, said plastic parts having openings in the external walls, readily detachable apertured covers for said openings, reinforcing ribs extending across the inner walls of said parts at congruent portions thereof, and interengaging boss and recess formations on said parts for facilitating alignment therebetween preparatory to their junction.

2,543,811
AXLE WITH WHEEL-TYPE PLANETARY DRIVE
Virgil L. Snow, Beverly Hills Drive, and Walter F. Double, Wickliffe, Ohio, assignors to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application February 1, 1946, Serial No. 644,936
1 Claim. (Cl. 74—801)



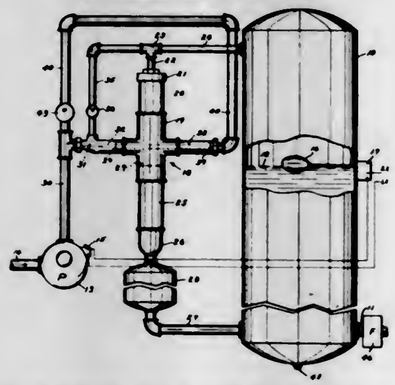
In a wheel-type planetary drive having a hollow wheel axle, having a wheel drum rotatably mounted on said axle, having a drive shaft passing through the hollow of said axle, having a housing connected with said drum, said housing having an opening at its outer side, having a planetary gear system in said housing, said system comprising a sun gear rotatable with said shaft and planet gears meshing with said sun gear and a stationary internally toothed ring gear meshing with said planet gears, and having a cover plate for said opening secured to said housing, said drive shaft being free of engagement with said cover plate, the improvement comprising a spider and annular hub integral with said ring gear, said hub positioned between said shaft and said hollow axle and having a non-rotatable connection with the inner surface of said hollow axle, there being clearance between said shaft and hub to permit floating of said shaft radially, a stub shaft for each of said planet gears, each stub shaft having one end mounted in said cover plate, a carrier plate rigidly secured to said cover plate and each stub shaft having its other end mounted in said carrier plate.

2,543,812
SPEED CONTROL FOR MOTORS
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application February 19, 1947, Serial No. 729,620
8 Claims. (Cl. 74—515)



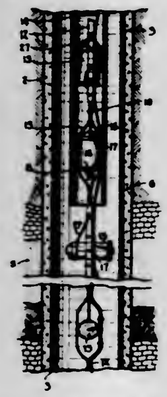
1. In a speed control for a sewing machine motor or the like wherein the motor is movable into and out of operating position, and wherein the motor speed is determined by the relative positions of a speed control member attached to and movable with the motor, positioning means comprising an arm operatively connected to said speed control member and mounted on the motor, said arm extending transversely to the plane of movement of the motor, a pivotally mounted second arm located substantially parallel to the plane of movement of the motor and at one side of the path of movement of the motor, said second arm having one end adjacent the free end of the first arm only when the motor is in operating position, means for moving said second arm into contact with said first arm when the motor is in operative position to cause movement of the first arm, means operatively connected to the first arm for urging it into a retracted position, and means operatively connected to the second arm for urging it into a retracted position.

2,543,813
IRON PRECIPITATOR
Fred J. Stover, Rocky River, Ohio
Application June 29, 1946, Serial No. 680,477
8 Claims. (Cl. 210—16)



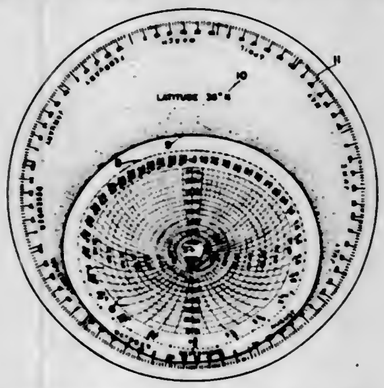
1. In a system for mixing air with water, a water reservoir, means for introducing air into the lower part of said reservoir, means for holding a volume of air in the upper part of said reservoir, means for maintaining a predetermined level of water in said reservoir, a mixing chamber, means providing communication between the lower portion of said chamber and the lower portion of said reservoir below said level, means providing communication between the upper portion of said chamber and the upper portion of said reservoir above said level, an injector having a discharge tube leading into said chamber above said level, there being perforations through the wall of said tube, means for supplying a jet of water under pressure to said injector, and means for supplying air to said injector.

2,543,814
MEANS AND METHOD OF TILTING EXPLOSIVE CHARGES IN WELLS
Willis H. Thompson, Eugene O. Tolson, and Robert H. McLemore, Fort Worth, Tex., assignors to Welex Jet Services, Inc., Fort Worth, Tex., a corporation of Texas
Application December 26, 1946, Serial No. 718,372
6 Claims. (Cl. 102—20)



1. An assembly for shooting wells comprising a support member, a plurality of cylindrical explosive cartridges, and means connecting said cartridges to said member to allow tilting of the cartridges from vertical to horizontal position, each cartridge including a closed, lined shaped charge of high explosive.

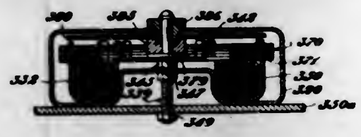
2,543,815
STAR FINDER
George W. D. Waller and Alton B. Moody, Annapolis, Md.
Application August 21, 1946, Serial No. 691,892
1 Claim. (Cl. 35—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a finder for celestial bodies; a circular base plate having around its circumference an hour scale with its zero point positioned so that it may indicate the hour circle of one equinox; a celestial pole for one hemisphere indicated at the center point of said base plate; navigational stars of said hemisphere indicated in polar azimuthal equidistant projection on said base; a celestial equator circle centered at said pole; a circular sun scale arranged to indicate the mean position of the true sun for each day of a year; and a circular transparent template substantially equal in size to said base plate; said template being adapted for relative rotation in superposed relationship upon said base plate; said template having thereon: a circular date scale spaced slightly from the periphery of said template and a grid containing two families of curves respectively representing altitudes and azimuths at a specific latitude in said hemisphere; one of said altitude curves indicating the horizon line and another of said altitude curves representing a sub-horizon line indicating the darker limit of twilight; said second date scale being positioned so that the average date of the other equinox will appear on the 0° to 180° azimuth line in said grid, whereby the relation between the positions of said celestial bodies and any hour of local civil time may be indicated by rotation of said template upon said baseplate.

2,543,816
SHADED POLE MOTOR
Clarence B. Walworth, Jr., Rocky Hill, Conn.
Original application August 18, 1945, Serial No. 611,276, now Patent No. 2,445,813, dated July 27, 1948. Divided and this application July 14, 1948, Serial No. 38,583
4 Claims. (Cl. 172—278)

1. An electric motor of the type described comprising a substantially circular hollow half-toroid shaped motor body forming an annular groove with two concentric toothed edge portions, conductor means shading alternate teeth of said edge portions, an energizing coil held in said groove by said conductor means, a second sub-

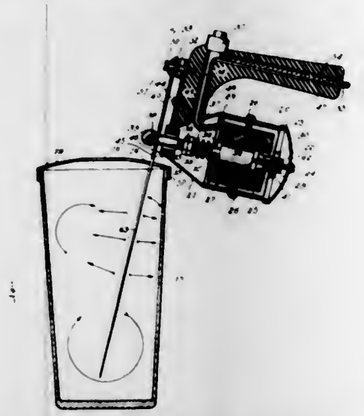


stantially circular disk-shaped motor body, and means for mounting said second body on said first body for concentric rotation relatively thereto, the peripheral portion of said second body bridging said edge portions of said first body.

2,543,817
PHOTOCHEMICAL OXIDATION OF NICOTINE
Leopold Weil, Philadelphia, Pa., assignor to United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 2, 1948, Serial No. 36,798
4 Claims. (Cl. 204—158)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

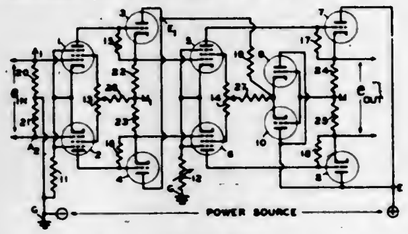
1. A process comprising oxidizing an alkaloid in an aqueous solution containing a thiazine dye with gaseous oxygen under irradiation by light and at a temperature from about 10° C. up to below the boiling point of the solution.

2,543,818
VIBRATING DRINK MIXER
Albert C. Wilcox, Chicago, Ill.
Application July 24, 1945, Serial No. 606,853
2 Claims. (Cl. 259—113)



1. A device for mixing liquids including electrically operated motive means, a rod operatively connected to said motive means so as to be longitudinally reciprocated thereby and a thin, flexible vibrating blade operatively connected to said rod so as to be vibrated thereby and an attachment comprising a strip of metal bent upon itself at its lower end forming spaced parallel legs located over the blade and connected to the upper portion thereof.

2,543,819
PUSH-PULL DIFFERENTIAL ELECTRONIC AMPLIFIER
John E. Williams, Atlantic City, N. J.
Application May 14, 1948, Serial No. 27,098
9 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



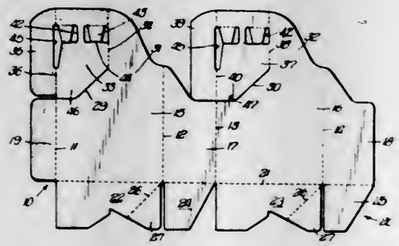
1. A push-pull differential electronic amplifier stage comprising; first and second input pentode amplifier tubes, each having a cathode, control grid, screen grid and anode; third and fourth tubes, each having a cathode, control grid and anode and connected as differential follower triodes for said first and second tubes; a stage input circuit including an impedance connected at the respective ends thereof to said pentode control grids and at the mid-point to ground; an element joining the cathodes of the first and second tubes and connecting said junction to ground, said element constituting a direct current voltage dropping device responsive to current therein; a resistance element series connected from the anode of each pentode to the cathode of the triode connected thereto, the respective circuits from said ground to said triode cathodes forming first and second arms of a bridge circuit; means supplying positive potential through a common junction to the plates of said triode followers, respectively, the respective circuits from said common junction to the cathodes of the triodes forming third and fourth arms of said bridge; means varying conductance of said third and fourth arms inversely as the currents in the associated pentode anodes, comprising a connection from each said pentode anode to the control grid of the associated triode; an output differential load element connected between the cathodes of the triodes and constituting part of the output current paths of triodes and pentodes of the bridge, said differential element having a mid-point potential reference; and a potentiometer connected at the ends thereof to the respective screen grids, the variable arm thereof being connected to said midpoint potential reference for effecting energization of the screen grids responsively to the reference potential and whereby the bridge is adjusted to balance at no input signal and the triodes are additionally controlled as regulators to provide substantially constant voltage above ground at said reference mid-point.

2,543,820
ALCOHOL PROCESS
Francis M. Archibald, Elizabeth, and Henry O. Mottern, Hillside, N. J., assignors, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,060
4 Claims. (Cl. 260—639)

1. A process for the preparation of a secondary aliphatic alcohol from normal mono-olefins which comprises treating an aliphatic hydrocar-

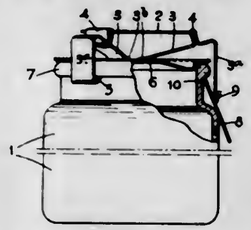
bon mixture comprising normal mono-olefins, tertiary mono-olefins, and polyolefins with a weak mineral acid whereby the bulk of the tertiary mono-olefins and polyolefins is polymerized but whereby a significant minor amount of tertiary mono-olefins and polyolefins remains unpolymerized, separating the acid and the polymers thus formed from the hydrocarbon mixture comprising normal mono-olefins and the minor amounts of tertiary mono-olefins and polyolefins, contacting the latter hydrocarbon mixture with a solid polymerization catalyst to polymerize the minor amounts of tertiary mono-olefins and polyolefins, separating hydrocarbons comprising normal mono-olefins substantially free of tertiary mono-olefins and polyolefins and contacting the same with a strong mineral acid to form an acid extract, hydrolyzing the extract and recovering secondary aliphatic alcohol from the hydrolyzed extract.

2,543,821
ARTICLE CARRIER
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application June 30, 1950, Serial No. 171,523
1 Claim. (Cl. 229—52)



A blank for a flexible paperboard carrier comprising a pair of similar sections integrally articulated to one another in end-to-end relation, said sections each including end and side wall panel members integrally hinged in end-to-end relation to one another, the material of each section of the blank being provided with a single laterally extending cut having an inner terminus located at the midpoint of one of the respective end wall panel members, said cuts extending from said termini in the same direction to an exterior margin of said blank and at least to a hinged edge of said respective end wall panel members, said blank being provided with a pair of creases parallel to said lines of articulation and hinging, each extending to a free edge of the blank from the inner terminus of one of the respective cuts to provide a partition member on each section partially freed therefrom by the cut and which is freely swingable about said inner crease terminus relative to one of the end wall panel members, said sections being adapted to be connected to one another at opposite ends of the blank and said partition members being adapted to be secured in face contact with one another to define a multi-ply partition having said respective creases disposed at opposite margins of the respective partition members.

2,543,822
CLOSURE FOR CONTAINERS
Robert Ross Barrington, Luton, England
Application August 11, 1947, Serial No. 767,880
In Great Britain October 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 10, 1961
4 Claims. (Cl. 215—37)

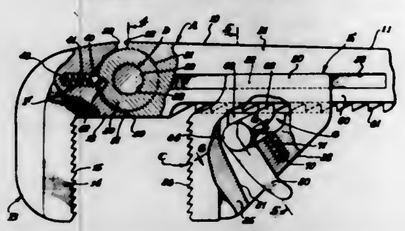


2. A closure fastening device of the clasp type for clamping a closing lid in position against the end of a container having an annular outwardly projecting flange, said device, comprising, a tensionable endless wire frame, and a plurality of resilient levers each having a fulcrum intermediate its ends for attachment of the lever to said frame, and each including a first arm extending inwards from the fulcrum for yieldably engaging the center of the lid, and a second arm extending outwards from the fulcrum to engage by its end the said flange on the jar when the frame is in tension.

2,543,823
CASING PERFORATING GUN
Adelbert Barry, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 26, 1948, Serial No. 17,353
2 Claims. (Cl. 164—0.5)

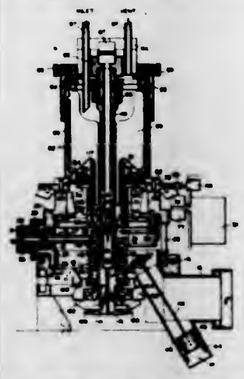
1. An improved casing perforating gun which comprises a plurality of firing chambers and a plurality of circuit closing switches comprising two contacts held apart against the tension of a closing spring by means of a breakable disc, means for closing a circuit switch of a succeeding firing chamber actuated by the combustion gases of the explosion in a preceding firing chamber, said means comprising conduits from the firing chamber to one face of said disc, and means for raising and lowering said gun to any desired point in a well bore hole.

2,543,824
SLIDABLE INNER JAW WRENCH HAVING A PIVOTED RACK CATCH
Benjamin M. Beesley and Barbara Beesley, Ventura, Calif.
Application September 14, 1946, Serial No. 697,084
1 Claim. (Cl. 81—134)



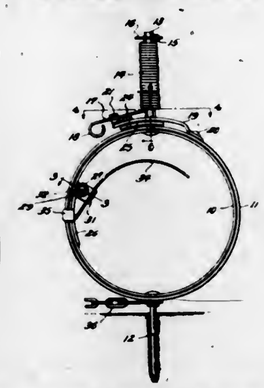
A wrench including an elongate shank, an outer jaw, means pivotally connecting the said jaw and the outer end portion of the shank, means normally yieldingly holding the outer jaw in a predetermined rotative position relative to the shank, an inner jaw having a recess in its inner side facing the shank and an opening in its outer side communicating with the recess and opening away from the shank, means slidably mounting the inner jaw on the shank including opposed ribs on the jaw and longitudinally disposed guideways in opposite sides of the shank slidably carrying the ribs, the guideways being open only at the forward end of the shank and being closed by the other jaw on the forward end of the shank, and ratchet means holding the inner jaw in position on the shank including a rack on the shank, and a pawl held in the recess in the inner jaw, and having a handle projection extending through said opening, the pawl having trunnions projecting from it and rotatably supported in sockets in the sides of the recess.

2,543,825
X-RAY DIFFRACTION APPARATUS
Karl E. Beu, Bartlesville, and Howard H. Claassen, Norman, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 26, 1948, Serial No. 23,234
9 Claims. (Cl. 250—53)



1. In X-ray diffraction apparatus, an X-ray chamber, means for evacuating and hermetically sealing said chamber, a support for a film and a specimen holder in said chamber, a guide for directing a beam of X-rays against said specimen holder for diffraction against said film support, means defining a subchamber surrounding and completely enclosing said specimen holder, and means for introducing cooling fluid into said subchamber.

2,543,826
VARIABLE TENSION CIRCULAR JAW ANIMAL TRAP
Merle E. Bigelow, Marysville, Ohio
Application June 20, 1949, Serial No. 100,169
3 Claims. (Cl. 43—90)

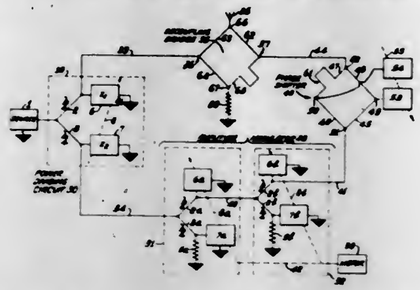


1. In an animal trap of the type having inner and outer circular jaw members arranged for substantially 180° relative rotation about a common diametrical axis and a shaft member secured to said inner jaw member and extending radially outwardly therefrom and pivotally connecting said outer jaw member to said inner jaw member; a coiled torsion spring arranged coaxially with said shaft member and having one of its ends connected with said shaft member and its opposite end extending freely outwardly to one side of the shaft member; a longitudinally slotted bracket member extending transversely on either side of said shaft member and pivotally connected at one of its ends to said outer jaw member and terminating at its opposite end in a hooked extension for the reception of the outwardly extending free end of said spring; and a lug device carried by said shaft member in laterally offset relation thereto and occupying the slot formed in said bracket, said bracket being adapted to slide on said lug device, said lug device providing a fulcrum for said bracket upon relative rotation of said jaw members whereby to vary the moment arm between the free end of said spring and the pivotal connection between said bracket and said outer jaw member with a variance in the relative rotational positions of said inner and outer jaw members.

2,543,827
PERCENTAGE MODULATION CONTROL NETWORK
George H. Brown, Princeton, N. J., and George B. MacKimmie, Montreal, Quebec, Canada, assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,276
10 Claims. (Cl. 332—38)

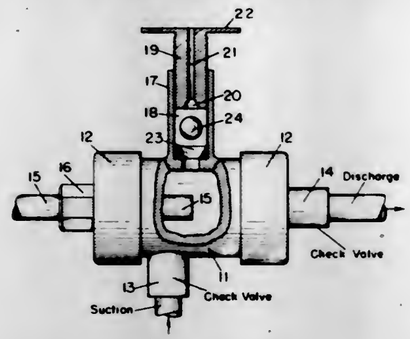
1. A network for controlling the relative carrier and sideband energies of a modulated signal comprising a source of carrier energy, a decoupling bridge having two inputs and a utilization output for receiving carrier energy at the two inputs without coupling the sources thereof and

for combining them at the utilization output, means for dividing carrier energy from said source into two portions, means for applying one of said portions directly to one of the inputs of said decoupling bridge, means for amplitude mod-



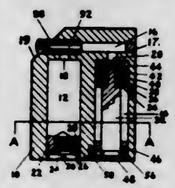
ulating said other portion of the carrier energy, means for feeding said other portion of the carrier energy from said source to said last-mentioned means, and means for applying modulated carrier energy from said modulating means to the other input of said decoupling bridge.

2,543,828
DEVICE FOR CONTROLLING THE INJECTION OF FLUIDS
Stephen S. Brown, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 30, 1949, Serial No. 84,387
8 Claims. (Cl. 103—37)



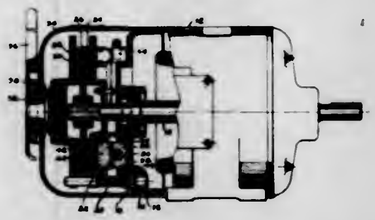
1. A device for injecting liquids at a controllable rate into a system which comprises, in combination, a cylinder, a piston arranged in and movable in said cylinder, an inlet line to and an outlet line from said cylinder, said inlet and outlet lines comprising check valves permitting flow into and outwardly from said cylinder, a body member defining a chamber mounted on and in fluid communications with said cylinder, adjusting means arranged in said body defining a first seating member and adapted to vary the volume of said chamber, a passageway defined by said body member adapted for fluidly communicating said chamber with the atmosphere, a movable valve member in said chamber adapted to assume a first and second position and to be received by said first seating member when in the second position, a second seating member arranged in said chamber below said movable member and adapted to receive said movable member when in the first position, the second position of said movable member being determined by the position of the adjusting means and the first position of said movable member being determined by the position of said second seating member.

2,543,829
PERFUME ATOMIZER
Albert J. Brunean, Montreal, Quebec, Canada, assignor to Institution Catholique des Sourds-muets pour la Province de Quebec, Montreal, Quebec, Canada, a corporation of Quebec
Application July 18, 1946, Serial No. 684,426
In Canada June 6, 1946
7 Claims. (Cl. 299—88)



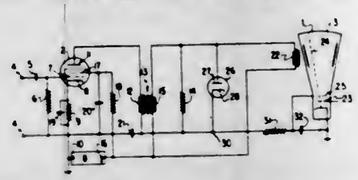
6. A pocket atomizer for perfume and like liquids comprising a unitary block of material having cavities in the interior thereof, shaped to provide two parallel, vertical chambers constituting, respectively, a liquid reservoir and a pump cylinder extending from openings at the bottom of the block toward the top, and a third cavity at the upper ends of and overlying the first two chambers, and constituting a horizontal transverse chamber communicating therewith, and open at the end adjacent the reservoir through the surface of the block, means for closing the bottom openings of the first two chambers, an air piston in the cylinder, and an atomizing nozzle in the transverse chamber overlying the communication with the liquid reservoir and communicating therewith.

2,543,830
ELECTROMAGNETIC BRAKE DEVICE
Paul B. Burrus and Lowell A. Ditmer, Dayton, Ohio, assignors, by mesne assignments, to Standard Dayton Corporation
Application October 17, 1945, Serial No. 622,754
10 Claims. (Cl. 188—171)



1. In an electromagnetic brake assembly for use in arresting the rotation of a rotary body, said assembly including a pair of relatively movable supports, a pair of actuating members one for each of the supports, one of said actuating members constituting an electromagnetic member, and resilient dampening means for resiliently mounting the actuating members upon their respective supports to dampen the vibrations of the electromagnets.

2,543,831
PROTECTION OF CATHODE-RAY TUBE SCREENS
Stephen F. Bushman, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1948, Serial No. 7,464
5 Claims. (Cl. 315—20)



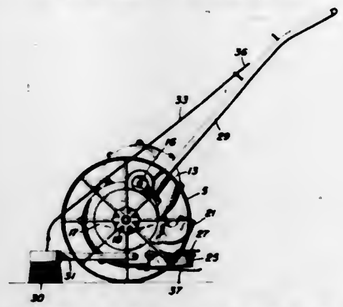
1. In a television receiver which includes a cathode ray tube having a fluorescent screen and means for directing an electron beam thereon, and a grid to which a substantially steady voltage is applied for controlling the acceleration and density of the beam, and which receiver includes deflection coils associated with said tube through which oscillating current is applied for deflecting the electron beam thereof; a system for limiting the acceleration of the beam when the beam is not deflected including in combination, a rectifier, condenser means, a source of potential, said condenser means being connected to said source of potential and also being connected in series with said rectifier to said deflection coils so that the energy in said deflection coils produces a voltage across said condenser means when current is applied to said deflection coils to deflect said beam which is added to the voltage of said source, and means for applying said voltage across said condenser means to said grid of said cathode ray tube so that a high intensity beam is provided when said beam is deflected by said coils and the intensity of said beam is reduced when said beam is not deflected to thereby prevent damage to the screen.

2,543,832
POT LID HOLDER
John Francis Calvert, Huntington, Ind.
Application April 1, 1949, Serial No. 84,985
1 Claim. (Cl. 16—116)



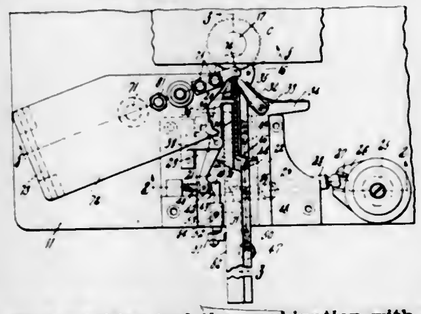
A pot holder comprising a pair of corresponding rectangular oblong gripper strips having flat inner faces and inwardly beveled edges along one side thereof, said gripper strips formed in their outer faces with longitudinally disposed grooves and in their opposite ends with aligned recesses registering with the corresponding grooves, a resilient wire holder of substantially U-shape form, arranged with its body portion fitting in the longitudinal groove of one gripper strip and its end portions fitting in said aligned recesses, with the ends of the wire holder terminating in right-angular bent terminals fitting in the longitudinal groove of the other gripper strip, the longitudinal groove in the gripper strip receiving the body portion of the resilient wire holder being of greater depth at the ends thereof than at the middle portion to provide clearance between the ends of the body portion of said wire holder and the bottom of said groove, whereby the gripper strips are permitted to spread apart in engaging the handle of a lid.

2,543,833
PORTABLE BLOWER
Horace E. Clark, Atlanta, Ga.
Application December 30, 1948, Serial No. 68,257
2 Claims. (Cl. 230—33)



1. A portable blower comprising a pair of supporting wheels, a fan housing having trunnions projecting from its opposite sides and on which the wheels are journaled, a fan including a shaft journaled internally of the housing coaxially with the trunnions, said housing having an air inlet and an air outlet, a gear housing supported by the fan housing, a shaft journaled in the gear housing, a pinion gear secured to at least one end of the last-named shaft, a drive gear secured to one of the wheels and driving said pinion gear, a gear enclosed in the gear housing and secured to said second-named shaft, and a pinion gear secured to the fan shaft and enclosed in the fan housing and driven by said last named gear.

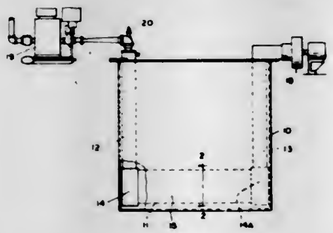
2,543,834
WORK LOADING MEANS FOR MACHINE TOOLS
John D. Davis, Charlestown, N. H., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application December 2, 1947, Serial No. 789,171
7 Claims. (Cl. 90—1)



1. In a machine tool the combination with an operating work holder and correlated cutting tool, of a magazine constructed to hold a series of blank work pieces, means for reciprocating said magazine to a position in which the endmost one of the blanks carried by the magazine is in register with the operating work holder and away from that position, means for causing the operating work holder to engage and retain such end-

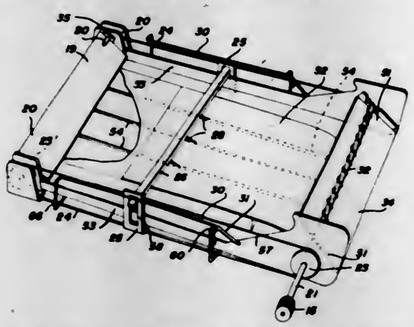
most blank when the magazine is in the position named, a cartridge detachably connected with the magazine having provisions for holding a reserve supply of blanks and an outlet communicating with the magazine for passage of the blanks, a pusher arranged to bear on the outermost one of the series of blanks contained in the cartridge and yieldable force applying means engaged with said pusher for exerting force thereby on the series of blanks toward the delivery outlet of the magazine; the magazine and cartridge having alined communicating guideways for the pusher and the cartridge having an entrance at its outer end for reception of the pusher.

2,543,835
GAS-FIRED IMMERSION HEATING APPARATUS
Maurice J. Dewey, Detroit, Mich.
Application December 10, 1945, Serial No. 634,008
2 Claims. (Cl. 126—360)



2. An immersion heater comprising an inlet conduit adapted to extend into a liquid, a gaseous fuel and air mixing device connected to said inlet conduit for delivering burning gases thereinto, an outlet conduit, a suction means connected to said outlet conduit, and a series of flues providing parallel passageways extending between said inlet and outlet conduits, each flue being of a cross section having one dimension substantially greater than the transverse dimension to form a large surface area compared to the volume and in proximity to all portions of the burning gas stream and to thereby increase the transfer of heat from the burning gases to the liquid.

2,543,836
SHEET FEEDING MACHINE
Benjamin Dunn, West Hartford, Conn.
Application January 9, 1947, Serial No. 721,084
4 Claims. (Cl. 271—42)



1. For use with a plurality collator wherein the sheets to be collated are adapted to be vertically disposed to one another, a collator comprising, a sheet holder, an ejector having a reciprocating ejecting and return movement, a vertically slotted yoke slidably receiving and guiding said ejector, cam means carried by said sheet holder at the sides thereof cooperating with said ejector at the end of its ejecting movement for lifting said ejector within said yoke from the sheets when said ejector contacts said cam, a track carried by said sheet holder for returning said ejector to its initial starting position, and drive means to move said yoke and said ejector carried therein for ejecting and return movements.

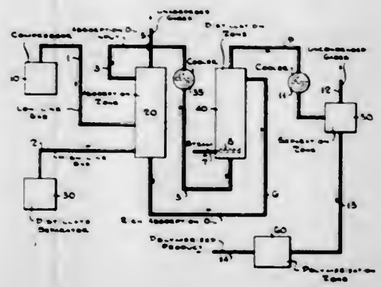
2,543,837
ALPHA-AMMOMETHYL, ALPHA-AMINO ARALIPHATIC ACIDS
Gustav Ehrhart, Frankfort-on-the-Main, Germany, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfort-on-the-Main, Germany
No Drawing. Application April 25, 1949, Serial No. 89,574. In Germany January 4, 1949
3 Claims. (Cl. 260—518)

3. Compounds of the following general formula:

$$R-C(CH_2-NH_2)(NH_2)-COOH$$

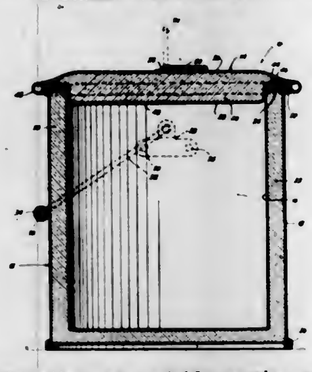
wherein R stands for an araliphatic radical.

2,543,838
OXYGEN REMOVAL FROM ABSORPTION OILS
Henry Ernst, Jr., Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 4, 1947, Serial No. 772,103
4 Claims. (Cl. 183—115)



1. Improved process for segregating hydrocarbon constituents free of oxygen from two hydrocarbon streams, one of which streams contains oxygen, comprising the steps of contacting a first hydrocarbon stream containing oxygen with an absorption oil under conditions to absorb hydrocarbon constituents, then contacting said absorption oil containing absorbed hydrocarbon constituents from said first hydrocarbon stream with a second hydrocarbon stream free of oxygen under conditions to absorb hydrocarbon constituents from the said second stream, and thereafter recovering said absorbed hydrocarbon constituents from the absorption oil.

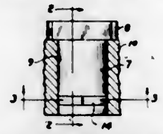
2,543,839
CONTAINER
William W. Faris, Webster Groves, Mo.
Application January 26, 1946, Serial No. 643,719
1 Claim. (Cl. 220—9)



In combination, an outside service container comprising spaced inner and outer casings secured together only at the top edges, each casing including a vertical wall, said inner casing being of integral construction and being secured to the outturned edge of the vertical wall of the outer casing in the form of a bead having structural stiffness disposed exteriorly of the plane of the vertical wall of the outer casing, said inner casing being formed with a horizontal continuous flange between its vertical wall and the bead, said flange being in a plane below the horizontal plane of the bead, insulating material between the inner and outer casings, a cover including spaced upper and lower members, insulation between said members, said upper member having a depending annular bead formed at the periphery thereof, said depending bead having an arcuate portion extending downwardly, inwardly, and upwardly, and ending in a straight vertical portion, the radius of said arcuate portion being sufficiently large to provide a degree of resilient movement of said straight portion both vertically and laterally, said resilient lateral movement being for the purpose of providing frictional engagement between said vertical portion and the outwardly disposed side of said first mentioned bead when said cover is in closing position, said lower member including a horizontal continuous flange and a central downwardly offset portion formed to extend into the inner casing when said cover is in closing position, said offset portion being connected to said flange by a vertical continuous portion, said depending bead of said upper member receiving the continuous flange of said lower member in clamping relation as provided by said resilient vertical movement of said vertical portion of said depending bead, and a sealing member disposed on said flange of said inner casing engaged by said flange of said lower member when said cover is in closing position.

2,543,840
DRILL GUIDE BUSHING
W. Reuen Fisher, Woodland, Mich.
Application March 4, 1949, Serial No. 79,655
4 Claims. (Cl. 77—62)

1. A guide bushing of the class described, adapted for mounting in the bore of a supporting body, comprising a cylindrical body having a plurality of circumferentially aligned, spaced apart recesses formed in its periphery, said recesses, rotatively, being deeper at one end than the other, and said body having a peripheral groove extending around the same and intersecting said recesses; a retaining band mounted in said groove and having an opening formed at each of said



recesses and of a thickness equal to the depth of said groove; and a rotatable locking member positioned in each of said recesses and projecting at its periphery through said opening in said band for engaging the face of the supporting body in which mounted.

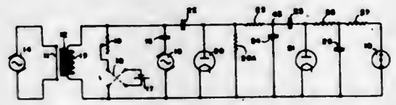
2,543,841
METAL ALLOY ESPECIALLY ADAPTED FOR USE AT HIGH TEMPERATURES
Francis B. Foley, Philadelphia, Pa., assignor to The Midvale Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 26, 1948, Serial No. 35,533
5 Claims. (Cl. 75—134)

1. A metal alloy especially useful as a composition for structures, such as gas turbines, normally subjected to high temperature consisting essentially of carbon not exceeding 1.50 per cent., small percentages of manganese and silicon, nickel 30 to 40 per cent., chromium 18 to 24 per cent., cobalt 17 to 35 per cent., tungsten 4 to 8 per cent., molybdenum 0 to substantially less than one per cent., columbium over 2 and not over 6 per cent., nitrogen .10 to .20 per cent., the remainder substantially all iron, the percentage of the ingredients other than iron being such, within the specified limits, that the proportion of iron does not exceed 25%.

2,543,842
POLYSULFONE RESIN PROCESS AND COMPOSITION
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 4, 1948, Serial No. 52,797
19 Claims. (Cl. 260—30.8)

10. An improved monoolefin-SO_2 polysulfone resin composition containing plasticizing amounts of a monomeric organic sulfone.

2,543,843
MAGNETIC FIELD MEASURING DEVICE
Alex Frosch, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 8, 1948, Serial No. 37,590
4 Claims. (Cl. 175—183)



1. In a magnetometer, a transformer having an elongated straight core of magnetizable material with a co-axial secondary coil thereon, a

first source of alternating current connected to said transformer to set up flux in said core transverse to its longitudinal axis, a second source of alternating current connected to said secondary coil for causing the flux in said core periodically to pass completely through its hysteresis loop and a measuring circuit connected to said secondary coil responsive to differences in output voltage of said transformer during the passages of flux in said core through its hysteresis loop.

2,543,844

PLASTICIZING SYNTHETIC RUBBER WITH A REACTION PRODUCT OF AN ALKYL MERCAPTAN AND A RUBBERY DIOLEFIN POLYMER

Charles F. Fryling, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 27, 1945, Serial No. 613,006
7 Claims. (Cl. 260—30.8)

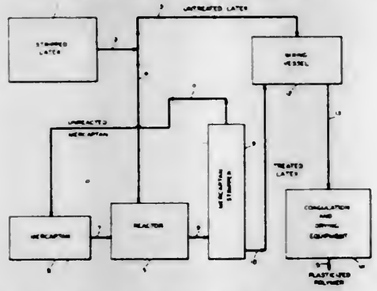
1. A process for the production of a liquid plasticizer for synthetic rubber, which comprises reacting normal dodecyl mercaptan with a latex resulting from emulsion copolymerization of 1,3-butadiene and styrene, said reaction being carried out at a reaction temperature between 30 and 150° F. for a reaction time of 1 to 24 hours in the presence of an oxidizing agent and with an amount of said mercaptan such that the double bonds of the rubber in said latex are saturated to an extent between 15 and 60 per cent, and the resulting product has a syrupy consistency, coagulating the resulting latex reaction mixture, and recovering therefrom a syrupy product so produced.

2,543,845

PLASTICIZING SYNTHETIC RUBBER WITH A REACTION PRODUCT OF AN ALKYL MERCAPTAN AND SAID RUBBER

Charles F. Fryling, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 27, 1945, Serial No. 613,007
11 Claims. (Cl. 260—29.7)



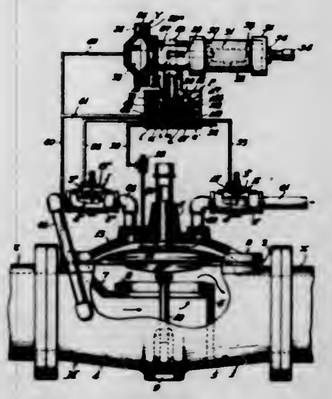
1. A process for preparing a plastic synthetic rubber-like material, which comprises polymerizing a conjugated diolefin in aqueous emulsion to form a latex containing a synthetic rubber-like polymer in dispersion, separating said latex into a major portion and a minor portion, reacting said minor portion in the presence of an oxidizing agent with an alkyl mercaptan having not more than sixteen carbon atoms per molecule in an amount such that the double bonds of the rubber in said latex are saturated to an extent between 10 and 65 per cent by addition of mercaptan thereto and such that the resulting product is a liquid syrup when separated from said latex, recombining the resultant mercaptan-treated latex with said major portion of the original latex, and coagulating the resultant mixture to separate a plasticized synthetic rubber-like material.

2,543,846

QUICK-OPERATING PRESSURE RELIEF VALVE

Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif., a corporation of California

Application February 29, 1944, Serial No. 524,451
18 Claims. (Cl. 137—53)



1. Means for controlling flow in a pipeline, comprising: a valve adapted to be connected in said pipeline for controlling flow therethrough; and means for controlling the operation of said valve including means operable under the direct control of said control means for effecting quick, partial closing of said valve, and means other than said quick-closing means also under the direct control of said control means for effecting further closing of said valve at a substantially uniform, relatively much slower rate through the remainder of its closing movement.

2,543,847

SLING FOR USE IN THE TREATMENT OF UNILATERAL LEG DISEASES

Paul Hallstedt, Grand Rapids, Mich., assignor to Lucille L. Murphy, Grand Rapids, Mich.

Application January 9, 1948, Serial No. 1,433
3 Claims. (Cl. 128—94)



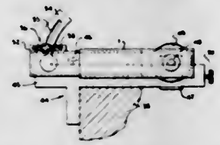
1. A unitary sling for use in the treatment of unilateral leg diseases, comprising: a depending loop portion adapted to encircle the patient's body depending from his shoulder opposite the afflicted leg and extending to the side of the affliction, a suspending loop portion suspended from the depending loop portion at the side of the affliction and adapted to encircle the shank of the afflicted leg for suspending said shank in rearwardly directed elevated position, and a stirrup portion connected to the suspending loop portion, said stirrup portion being adapted to engage beneath the forward part of the heel of a shoe worn on the foot of the patient's elevated leg shank for maintaining the suspending loop in position on said shank.

2,543,848

GUN SIGHTING AID

George Hanson, Ottawa, Ontario, Canada

Application July 14, 1949, Serial No. 104,659
3 Claims. (Cl. 88—1)



1. A marksman's aid comprising, in combination with a rear gun sight having a frame, a block, an aperture tube in screw-threaded engagement with the block, and an aperture disc fixed to the tube, a hollow elongated casing consisting of two telescopically arranged parts for longitudinal adjustment thereof to vary the length of the casing, said casing having on one side thereof a pair of longitudinally aligned spaced openings arranged for application of the respective eyes of a marksman thereto, and a third opening in the opposite side thereof, inclined light reflecting means fixed within the casing in opposed relation to said third opening for reflecting longitudinally through the casing light rays entering the third opening, said light reflecting means also permitting passage of light rays therethrough to one of said first openings, second light reflecting means fixed within the casing in opposed relation to the other of said first openings for receiving said longitudinally directed light rays and directing them through said latter opening, a second aperture tube fixed to the disc in alignment with the first aperture tube, said second aperture tube having screw-threaded engagement with the edge of said one of the first openings and in alignment with the latter opening, said casing being thereby rotatable about the axis of said tubes for angular adjustment thereof, and means fixed to said frame for securing the casing in fixed position with respect to the frame.

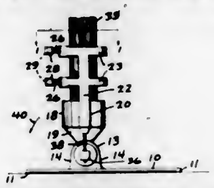
2,543,849

TREE HOLDER

Norman J. Hendrickson, Sioux City, Iowa

Application April 8, 1949, Serial No. 86,213
2 Claims. (Cl. 248—44)

1. A tree holder comprising a triangular base, a tree trunk receiving receptacle secured to said base, said receptacle including a pair of spaced clamps attached thereto, means for securing a tree trunk with said clamps, including threaded studs threadably engaging said clamps and having penetrating points for passing into the tree trunks, said clamps having opposed points for penetration into the tree trunk, said receptacle being pivotally attached to said base whereby the tree supported in said receptacle can be positioned angularly as desired, said receptacle including a ball attached at the bottom thereof, a socket



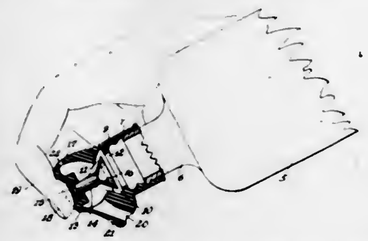
snugly engaging said ball, a spring bearing against said ball, a threaded plug threadably engaged with said socket for tightening said ball against said spring.

2,543,850

RESILIENT CLOSURE FOR THE NECK OF A BOTTLE, HAVING A VALVE OPERABLE BY FLEXURE OF A WALL OF SAID CLOSURE

Valentine Henricson, New York, N. Y.

Application July 23, 1947, Serial No. 762,985
2 Claims. (Cl. 222—518)



1. A dispensing device for bottles and the like, including a resilient valve casing having a neck engaging portion for engaging the neck of a bottle, a spout portion upon one side of the casing having an interior duct leading to the interior of said casing, a valve seat within said casing, valve abutting means in said neck, closure means normally holding the valve portion against said valve seat and thereby closing the bottle, and a resiliently depressible portion upon, and forming an integral part of, said casing for displacing said valve portion from said valve seat, said valve portion including a distinct valve member held within the casing in effective closing position against the seat and, upon distortion of the casing, being displaced from said valve seat, the casing and valve member being made of different grades of resilient material, said abutting means being an annular valve stop ridge integral with said neck-engaging portion located on the inside thereof, said ridge abutting against the upper rim or the neck of the bottle.

2,543,851

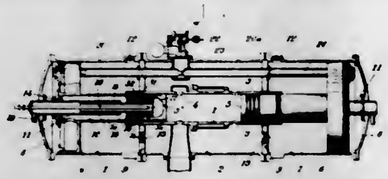
FREE PISTON MACHINE

Helge Bodvar Horgen, Lyon, France, assignor, by direct and mesne assignments, of nine-tenths to Raul Pateras Pescara, Lisbon, Portugal, and one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A. Geneva, Switzerland, a society of Switzerland

Application April 11, 1945, Serial No. 587,695
In France May 30, 1944
7 Claims. (Cl. 230—56)

1. A free piston machine which comprises, in combination, a motor cylinder, two freely mov-

able motor pistons adapted to work in opposed directions in synchronism with each other in said cylinder, a compressor piston rigid with each of said motor pistons on the outer side thereof and in coaxial relation therewith, a cylinder adapted to coact with each of said compressor pistons, the outer end of each of said last mentioned cylinders being closed so as to form, with the outer face of the corresponding compressor piston, a pneumatic cushion cham-



ber adapted to act as energy accumulator, a guiding tube mounted in fixed position in each of said last mentioned cylinders, parallel to and at a distance from the axis thereof, said tube extending with a snug fit through the corresponding compressor piston and opening into the corresponding energy accumulator chamber, and tube means for interconnecting the open ends of said guiding tubes located on the other sides from said chambers with respect to said compressor pistons, respectively.

2,543,852

SURFACE ACTIVE DERIVATIVES OF NITROGEN-CONTAINING SULFONIC ACIDS

Gaston Jaccard, Basel, Switzerland, assignor to Sandoz Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application October 24, 1947, Serial No. 782,010. In Switzerland October 29, 1946

10 Claims. (Cl. 260—401)

1. A process for the preparation of a surface active derivative of a nitrogen-containing aliphatic sulfonic acid, which comprises reacting, at a temperature between 50° C. and 120° C. under alkaline conditions, an amide of the formula



wherein R denotes a hydrocarbon radical, with 10 to 24 carbon atoms, selected from the class consisting of saturated and unsaturated straight chain and branched chain aliphatic hydrocarbon and cycloaliphatic hydrocarbon radicals, R_1 denotes an aliphatic radical selected from the group consisting of alkylene and hydroxyalkylene radicals containing 2 to 6 carbon atoms, and R_2 denotes an aliphatic radical selected from the group consisting of alkyl and hydroxyalkyl radicals containing 1 to 6 carbon atoms, with an equimolecular proportion of a compound of the formula

$$XR_3SO_3Y$$

wherein R_3 denotes an aliphatic radical, with 2 to 6 carbon atoms, selected from the class consisting of the alkylene and hydroxyalkylene radicals, X denotes a member selected from the group consisting of halogen, sulfuric acid ester, sulfonic acid ester and internal ether-oxygen groups, and Y denotes a cation.

2,543,853

PROCESS FOR ADDING MAGNESIUM TO CAST IRON

James Fernando Jordan, Huntington Park, Calif., assignor to James Jordan Laboratory, Huntington Park, Calif., a partnership

No Drawing. Application July 3, 1950, Serial No. 172,009

2 Claims. (Cl. 75—130)

1. In the process wherein magnesium is alloyed with molten cast iron in the production of nodular graphite cast iron castings, the steps, which comprise: adding substantially all of said magnesium to said molten cast iron by adding magnesium carbide to said molten cast iron; and casting the molten magnesium-bearing cast iron.

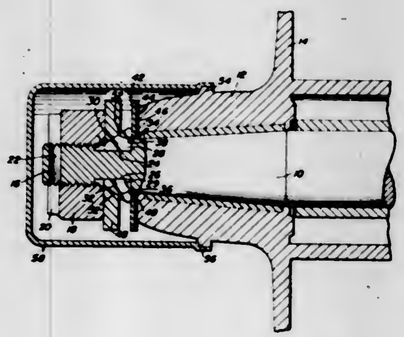
2,543,854

WHEEL RETAINER FOR VEHICLES

Samuel J. Killingsworth, Brewton, Ala., assignor of 35% to William H. Horton, 6.5% to B. J. Killingsworth, 6.5% to Kate Koon, 6.5% to Annie Ruth Ogletree, all of Brewton, Ala., and 6.5% to S. W. Killingsworth, Flomaton, Ala.

Application April 23, 1948, Serial No. 22,837

3 Claims. (Cl. 301—114)



1. A spindle having a screw threaded outer end, a hub rotatable on said spindle, a lock nut receivably engaging the outer end of said spindle, means interposed between said hub and said lock nut embracing the outer end of said spindle and abutting said lock nut, and members slidably carried by the outer end of said spindle for exerting a radial force on said first mentioned means upon outward movement of said hub on said spindle, the outer end of said spindle having recesses receiving said members.

2,543,855

HAT CROWN STAY

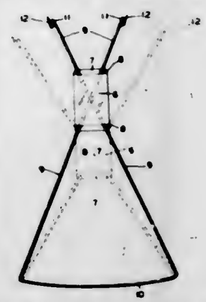
Thomas E. Knudson, Mankato, Minn.

Application July 19, 1947, Serial No. 762,183

5 Claims. (Cl. 2—185)

1. A hat crown brace comprising a base portion, a pair of arms extending upwardly from said base portion and having crossed portions disposed in a criss-cross relationship and having diverging upper hat crown engaging ends, and an arm connecting plate associated with said arms above said base portion and through which said crossed

portions slidably extend to permit adjustability in the divergence of the hat crown engaging ends of



said arms through raising and lowering of said connecting plate relative to the arms.

2,543,856

LARGE APERTURE FOUR-MEMBER PHOTOGRAPHIC OBJECTIVE

František Kupka, Prague, Czechoslovakia, assignor to Meopta, spojene zavody pro jemnou mechaniku a optiku, narodni podnik, Prerov, Czechoslovakia

Application July 20, 1948, Serial No. 39,732

In Czechoslovakia August 4, 1947

1 Claim. (Cl. 88—57)



A photographic objective with large relative aperture, corrected for spherical and chromatic aberrations, coma and astigmatism, and comprising four air-separated components of which the first is a single convergent element, the second a compound convergent meniscus consisting of a convergent element cemented in front of a divergent element, the third a simple divergent element, and the fourth a simple convergent element, and wherein the cemented surface of said second component has a radius of curvature of absolute value between six times the equivalent of focal length of the objective and infinity; the surface of the first component facing the second component has a radius of curvature of a value between two and one half times the equivalent focal length of the objective and infinity; the mean refractive index of the material used for the convergent element of the second component is greater than 1.65; and the Abbe number of the material used for the divergent element of the second component is at least thirty percent smaller than the Abbe number of the material used for the convergent element of the same component.

2,543,857

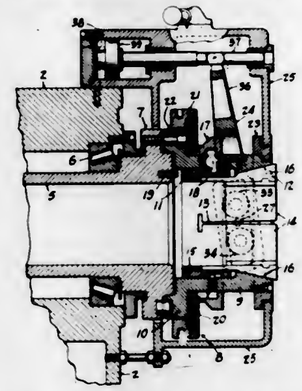
COLLET CHUCK

Lorenz Albert Leifer, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin

Application October 25, 1948, Serial No. 56,420

21 Claims. (Cl. 279—4)

14. In a chuck of the class described, a rotary chuck body, a slider ring encircling said body and movable axially for operation of the chuck, a fixed ring on said body spaced from said slider ring, means biasing said slider ring toward said fixed ring, a yoke straddling said body, means supporting said yoke to float axially relative to said body and to pivot on a floating transverse axis passing through said support and normal to the axis of said chuck, a pair of rollers carried by each yoke arm and disposed in the space between said rings with the corresponding yoke support therebetween whereby tilting of the yoke



will effect engagement of said fixed ring by one of said rollers and engagement of said slider ring by the other of said rollers to thereby move the slider ring against said biasing means, means to bias said yoke support to a position for said floating transverse axis wherein said rollers are normally held out of engagement with said fixed and slider rings thereby avoiding drag upon the rotation of the chuck when the latter is in chucking position, and means to effect tilting of said yoke.

2,543,858

FUNGICIDALLY TREATED MULTIWALL BAG

Frank Raymond Linda, White Plains, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application April 9, 1948, Serial No. 20,054

11 Claims. (Cl. 229—55)



1. A multiwall bag comprising a plurality of paper tubes, disposed one within another, said tubes being formed with overlapping edges glued

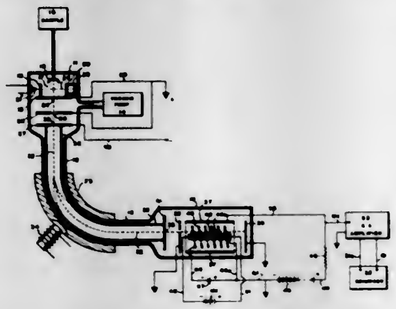
together longitudinally thereof, and all of said tubes being secured together at one end thereof to form a closure, one of said tubes being treated with a fungicidal agent, vaporizable at atmospheric temperatures, and in amount sufficient effectively to inhibit mold growth on goods packaged therein, and one of said tubes being treated with a plastic composition in amount sufficient to render the same relatively impervious to diffusion and escape of said fungicidal agent therethrough, said fungicidally treated tube being disposed inwardly of said plastic treated tube.

2,543,859

SYSTEM AND METHOD FOR ANALYZING SUBSTANCE BY MASS SPECTROMETRY

Robert Warren Long, Tallahassee, Fla., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application October 8, 1948, Serial No. 53,474
7 Claims. (Cl. 250—41.9)



1. In a mass spectrometer having a means for producing a beam of ions, a means for amplifying and collecting said ion beam which includes, in combination, an electron emissive cathode, a charged anode coaxially surrounding said cathode and spaced therefrom, said cathode being positioned whereby a beam of ions may be passed in close proximity thereto, and means for collecting a signal produced on said anode.

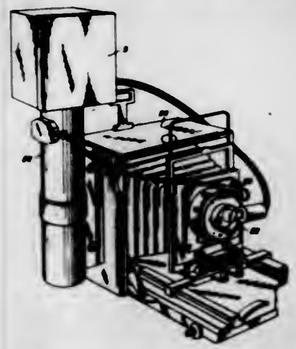
2,543,860

FLASH BULB SYNCHRONIZATION TESTER FOR CAMERAS

Joseph E. Levi and Frederick G. Hitzman, Chicago Ill.

Application November 13, 1947, Serial No. 785,728
1 Claim. (Cl. 73—5)

A flash bulb synchronization testing device for cameras of the type having a flash bulb receptacle and a combined flash bulb and shutter operating switch comprising a casing having a plug connector rigid with and projecting from the casing and engaging in the flash bulb receptacle, a solenoid and a circuit breaker mounted in the casing and connected to the terminals of the plug, a lamp in operative connection with a contact member engageable by said circuit breaker, said circuit breaker comprising a pivoted bar actuated by the solenoid and a resilient contact arm secured to said bar, said bar being biased away from said solenoid by resilient means, said contact arm normally engaging said contact member, but upon closing of said switch said lamp is energized, said solenoid is energized drawing said bar thereto and disengaging said contact arm from said contact member, thus de-energizing said lamp, said resilient means and said contact member being selectively adjustable to produce a desired time lag between the time of energization and de-energization of the lamp.

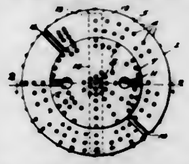


2,543,861

PLUG INSERT BIT FOR CORE DRILLS

Harry J. Mader, Jerome, Ariz.

Application February 12, 1948, Serial No. 7,811
1 Claim. (Cl. 255—73)



A drilling tool, comprising a tubular member having a reduced threaded portion adjacent to the drilling end thereof providing an enlarged drilling end having a diamond embedded cutting surface, an insert bit fitted within the tubular member in close engagement therewith, said bit having a diamond embedded cutting end extended beyond the cutting surface of the tubular member, said tubular member and bit having aligning transversely disposed openings, a cross pin permanently secured in the aligning openings securing the bit within the tubular member, and said bit having longitudinally extended water grooves providing discharge passageways, the discharge ends of the grooves being directed inwardly towards each other.

2,543,862

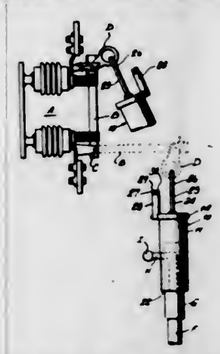
NOTICE IMPELLING DEVICE

George Manahan, Maplewood, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey

Application December 22, 1945, Serial No. 636,668
7 Claims. (Cl. 294—19)

1. In a device of the class described, the combination of two cylinders each formed of insulating material, in telescopic relation and mounted for relative rotary movement about the common axis of the cylinders, both cylinders being open at their lower ends to form a disconnect stick socket downwardly facing when the device is in operative position, the inner cylinder provided with a wall closing the upper end, and the inner cylinder provided in the side thereof with a bayonet slot including a longitudinal slot open at

the lower edge of the inner cylinder, the outer cylinder provided with a longitudinal slot open at the lower edge of the outer cylinder, the open end portions of the slots adapted to register when the cylinders are rotated to bring them into registry, a hook secured to the wall to rotate with the inner cylinder and a keeper for closing the



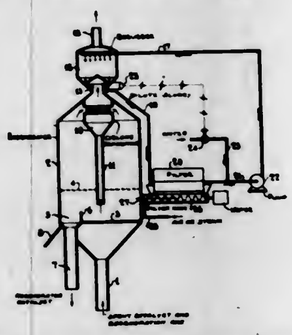
opening of the hook, secured to the outer cylinder and adapted to engage and thus lock the hook against accidental rotation when rotated into engagement therewith, the longitudinal slots related to each other and to the hook to bring the slots into registry when the hook and its keeper are in their interlocking relation.

2,543,863

FLUIDIZED CATALYST REGENERATION PROCESS

Homer Z. Martin, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 15, 1944, Serial No. 540,519
3 Claims. (Cl. 252—417)



1. In the regeneration of spent catalyst, the method of separating regenerated catalyst from regenerating gases which comprises maintaining a dense fluidized mass of catalyst in a regeneration zone, withdrawing the bulk of the regenerated catalyst particles directly from the dense fluidized mass in the regeneration zone, passing the regeneration gases through a first separating zone wherein most of the catalyst particles are removed, then passing the gases containing entrained catalyst fines into the lower portion of a second separation zone, introducing a spray of water into the said second separation zone to remove substantially all of the catalyst fines from the gases and to form a suspension of catalyst particles in water, passing the suspension of catalyst particles in water to a settling zone to form a concentrated slurry of catalyst in water as a bottom layer, suspending said concentrated slurry in a gaseous medium and conveying said concentrated slurry to a drying zone in said gaseous medium, passing a hot gas upwardly through said drying zone to maintain the catalyst particles as a substantially dry dense fluidized mass having a level and thereby substantially drying said concentrated slurry in said drying zone, removing substantially dry catalyst directly from the dense fluidized mass in said drying zone, and recycling said substantially dry catalyst to the dense fluidized mass in said regeneration zone.

2,543,864

JET PROPULSION UNIT WITH ROTATABLE COMBUSTION CHAMBER

John A. Melenric, Charleston, W. Va.

Application December 22, 1947, Serial No. 793,243
10 Claims. (Cl. 60—35.6)



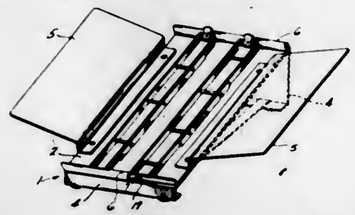
1. In a jet propulsion arrangement a unit consisting of a stationary outer member and a rotatable inner member, the said inner member containing the combustion chamber and carrying movable compressor vanes on the outside and movable turbine blades projecting inwardly from the outer wall, said outwardly projecting vanes cooperating with fixed compressor blades mounted on the outer member, a further stationary inner tubular member provided with a centrally arranged jet discharging exhaust opening, said member carrying fixed turbine blades, cooperating with the movable blades, said inner member being provided with curved tapering outer and inner walls enclosing an annular passage leading towards said central exhaust opening.

2,543,865

MULTIPLE CATALOGUE BINDER

Conrad J. Panfil, Sr., Milwaukee, Wis., assignor to The Heinn Company, Milwaukee, Wis., a corporation of Wisconsin

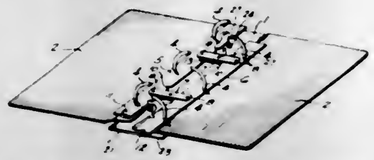
Application June 9, 1947, Serial No. 753,456
1 Claim. (Cl. 129—1)



A catalog binder and support therefor comprising a pair of spaced upstanding flange members adapted to confine and support the ends of one or more removable catalog binders, said catalog binder comprising a pair of separable strips and means to secure one of said strips to the other with the back margin of a catalog held therebetween, the ends of one of said pair of strips extending inwardly at right angles to the longitudinal axis of the said strip to provide tab members, said tab members being adapted to

extend across the top and bottom edges of a catalog held between the said strips, a separable connection between each flange member and the center of the adjacent tab member, each connection comprising a pin projecting from one of said members, the opposite member having a perforation therein to receive said pin, at least one of said connection pins being spring biased and movable in a direction parallel to the longitudinal axes of said metal strips, and projecting means extending above the upper edge of said flange member for manually moving said movable pin to retract it from said perforation for insertion and removal of said binder between and from said pair of supporting flange members.

2,543,866
REMOVABLE LOOSE-LEAF BINDER
Conrad J. Panfil, Sr., Milwaukee, Wis., assignor to The Heinn Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 3, 1947, Serial No. 758,818
4 Claims. (Cl. 129—1)

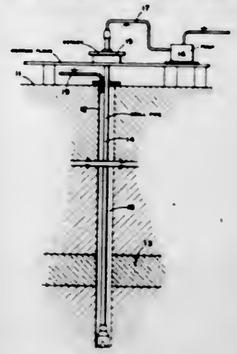


4. In a loose-leaf binder having a center section, ring posts mounting strips disposed edge to edge, connecting means pivoted centrally to said center section and pivoted at the opposite ends thereof to the corresponding strips to provide for lateral movement of the strips toward and away from each other, and rings for securing the leaves within the binder comprised of two meeting parts secured to said corresponding mounting strips, said strips being adapted to open and close said rings upon corresponding separation and closing of the strips together, means for securing said binder upon a base comprising posts extending upright from the base and adapted to register with and extend through corresponding holes in the center section of said binder in alignment with the meeting line of said strips, notches in the meeting edges of said strips to register with said holes, annular recesses at the upper end of said posts whereby the recesses of said posts are adapted to be engaged by the notches in said strips in the closed position and released when in the open position selectively to secure and release said binder upon said base, and locking means to secure said strips in closed position and simultaneously to lock said rings together and the binder to said base.

2,543,867
PROCESS OF MAKING PLASTICIZER FOR SYNTHETIC RUBBER BY REACTING A RUBBERY POLYMER OF A DIOLEFIN WITH AN ALKYL MERCAPTAN
James E. Pritchard, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 27, 1945, Serial No. 613,008
5 Claims. (Cl. 260—79.5)

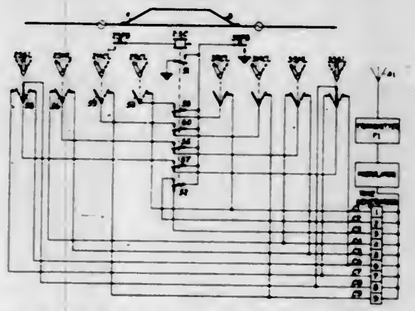
3. A process for the production of a liquid plasticizer for synthetic rubber, which comprises forming a rubber-like polymer of a conjugated diolefin, separating a resulting polymerized material in solid form, reacting said solid polymer with a liquid alkyl mercaptan having not more than sixteen carbon atoms per molecule in an amount sufficient to keep said polymer moist during said reaction and to saturate between 5 and 50 per cent of the double bonds in said polymerized material by addition of mercaptan thereto and to produce a liquid syrupy reaction product, at a reaction temperature between 100 and 150° F. and a reaction time between 40 and 70 hours, and in the presence of an oxidizing agent, and recovering a resulting liquid syrupy product.

2,543,868
SEALING OF POROUS FORMATIONS
Charles L. Prokop, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application January 30, 1948, Serial No. 5,442
6 Claims. (Cl. 166—22)



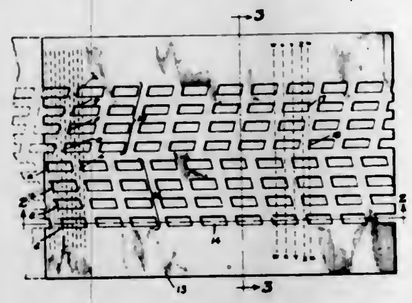
1. A method for sealing permeable formations traversed by a borehole which comprises injecting into the said formation a sufficient quantity of an aqueous solution of methyl cellulose to form an effective seal against the passage of drilling mud from the borehole into the formation.

2,543,869
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Frank X. Rees, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 12, 1947, Serial No. 785,327
8 Claims. (Cl. 177—353)



1. In a centralized traffic control system for communicating indications from a plurality of field stations to a control office, transmitting means at the station most distant from the control office normally effective to transmit station call modulation pulses intermittently, the modulation tone transmitted being that assigned for calling the next station toward the control office, link repeater transmitting and receiving apparatus at each of the intermediate field stations, said link receiving apparatus being distinctively responsive to all tones received only when one of such tones is a station call tone assigned for calling that station, said link transmitting apparatus being effective to transmit modulation pulses in response to the pulses received, one modulation tone transmitted being a distinctive modulation station call tone assigned to the next station nearer the control office, irrespective of whether or not indications are to be transmitted from that field station, and indication transmitting means at each of the field stations effective to distinctively modulate a pulse transmitted by said transmitting apparatus in accordance with the condition of a device at that station.

2,543,870
SUCTION BOX COVER FOR PAPERMAKING MACHINES
Douglas R. Robbins, Middletown, Ohio
Application December 10, 1947, Serial No. 790,915
7 Claims. (Cl. 92—51)

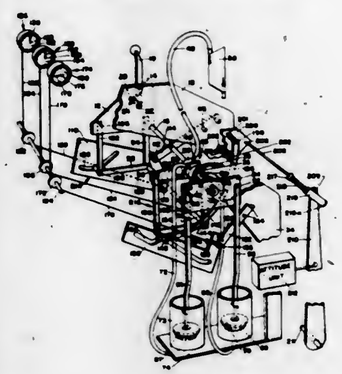


1. A suction box cover for paper making machines, comprising a slab arranged to be mounted on a suction box transversely of said machine, said slab being provided with two groups of transverse rows of transverse slots, there being an equal number of rows in each group, the slots in the rows of said two groups being oppositely echeloned and each slot in any row being out of line, longitudinally of said machine, with every other slot.

2,543,871
DETERMINATION OF PETROLEUM SULFONATE AS A DEMULSIFYING AGENT FOR WATER-IN-OIL EMULSIONS
Richard A. Salathiel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Original application December 18, 1944, Serial No. 568,775, now Patent No. 2,443,273, dated June 15, 1948. Divided and this application December 20, 1947, Serial No. 793,050
1 Claim. (Cl. 73—53)

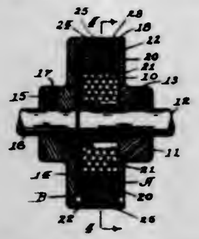
A method for determining the suitability of a petroleum sulfonate as a demulsifying agent for water-in-oil emulsions which comprises dissolving the sulfonate in the form of its sodium salt and free from aromatic type solvents and inorganic salts in an oily non-aromatic type solvent to a selected concentration, adding the resulting solution in a regulated amount to a mixture containing selected quantities of a pure liquid hydrocarbon and a mutual solvent to produce a predetermined mixture containing the hydrocarbon, the mutual solvent and the sulfonate solution, adding to a desired portion of the mixture a selected volume of salt solution of a selected concentration, thoroughly commingling the various ingredients and then allowing the mixed ingredients to settle, repeating this series of operations each time using a salt solution of different concentration and observing the lowest salt concentrations which cause (1) a lower aqueous layer to separate from an upper phase containing said sulfonate and (2) said hydrocarbon and non-aromatic type solvent to become entirely miscible with a phase containing said sulfonate.

2,543,872
COMPUTER FOR AVIATION TRAINERS AND THE LIKE
Hans Frederick Schaefer, Jr., Marblehead, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application December 30, 1947, Serial No. 794,575
12 Claims. (Cl. 235—61)



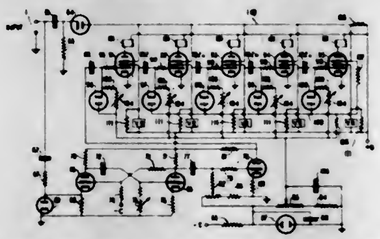
1. A computing mechanism for use in grounded aviation trainers and the like comprising two computers, each of said computers comprising a fixed pivot, a first link and a second link each having one end carried by said fixed pivot, a second pivot carried by the other end of said first link and a third pivot carried by the other end of said second link, a third link having one end carried by said second pivot and a fourth link having one end carried by said third pivot, and a fourth pivot carrying the second ends of said third and fourth links, the said fixed pivots being coaxial; a rod interconnecting the second pivot of each of said computers and extending parallel to the axes of said fixed pivots; input means connected to the first of said computers for moving the third pivot thereof about the fixed pivot of the computer in response to changes in the value of an input factor, and follow-up means operated by said input means and connected to the second computer for moving the third pivot of the second computer through the same angle and in the same direction as the movement of the third pivot of the first computer.

2,543,873
CENTRIFUGAL CLUTCH
John E. Scruby, Visalia, Calif.
Application March 20, 1947, Serial No. 736,060
1 Claim. (Cl. 192—105)



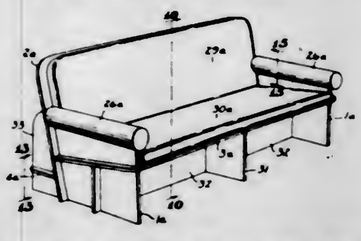
A drive coupling and clutch, comprising a pair of driving and driven shaft members arranged coaxially in close end relationship, driving and driven bodies respectively secured upon said driving and driven shaft members, said driving body having a plurality of radiating cylindrical sockets circumferentially spaced apart about said axis of said driving body, said driven body having an annular rim disposed over the outer ends of said sockets, a mass of ball weights held in each of said sockets having antifriction polished surfaces which prevent sticking, a plurality of cylindrical buffers, each buffer being freely movable with its inner end planted against the mass of ball weights in a companion socket and with its outer end juxtaposed to but normally out of contact with the inner cylindrical surface of said rim, said buffer elements having an annular series of channel sections in their outer ends, an elastic band engaging said buffer elements in said series of channel sections out of contact with the inner surface of said annular rim and normally retaining said buffer sections in contracted condition out of contact with said rim but permitting said buffer elements to expand and engage said rim during the revolution of said shaft sections.

2,543,874
ELECTRONIC DISTRIBUTOR
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 25, 1946, Serial No. 699,191
14 Claims. (Cl. 178—53.1)



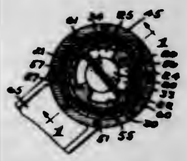
8. An electronic distributor of the class described comprising a trigger circuit subject to control by each start pulse which initiates a character code signal composed of a fixed number of marking and spacing code elements as used in a start-stop printer system, a plurality of pentode discharge tubes each having a grounded cathode, an anode, a first grid, a screen grid and a suppressor grid, an input circuit and an output circuit for each tube, a direct current source having a ground connection intermediate its positive and negative terminals, the negative terminal being resistively connected to each of said input circuits for normally biasing said tubes to cut-off, and the positive terminal serving to supply anode potential and screen grid potential to said tubes, means including a capacitor coupling the screen grid of each tube to the input circuit of the next tube in the cascaded series whereby said tubes are caused to be progressively activated, means operative under control of said trigger circuit to produce a delayed activation of the first said pentode discharge tube for response to the first of said code elements in each character code signal, means for varying the potential of said suppressor grids in accordance with the marking and spacing polarities of said code elements, and a responsive device in each output circuit through which anode potential flows when the entire space path of the appropriate tube is rendered conductive in response to simultaneous control thereof by said screen grid-to-input circuit coupling means and by an effective signal pulse impressed upon said suppressor grid.

2,543,875
FURNITURE CONSTRUCTION
Isador Silverman, Cleveland, Ohio
Application October 20, 1947, Serial No. 780,836
8 Claims. (Cl. 155—196)



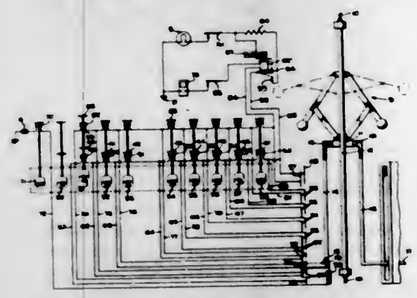
1. An article of furniture comprising laterally spaced upright supporting members each having an elongated substantially horizontal slot extending rearwardly from its front edge, an elongated slot extending downwardly from its top edge near the rear end thereof, and a substantially horizontal slot extending forwardly from its rear edge near the bottom thereof, a back member fitting in said downwardly extending slots of the supporting members and provided with upwardly extending slots to receive portions of the supporting members below the downwardly extending slots thereof, said back member having a horizontal recess in its front face and a horizontal recess in its rear face below the level of the first mentioned recess, a seat member having elongated slots extending forwardly from its rear edge to receive portions of the supporting member to the rear of their rearwardly extending slots and portions forward of said seat member slots that fit in the rearwardly extending slots of the supporting members, said seat member having rear edge portions engaging in said horizontal recess in the front face of the back member, and a shelf member having elongated slots extending rearwardly from its front edge to receive portions of the supporting members forward of their forwardly extending slots and portions rearward of said slots that fit in the forwardly extending slots of the supporting members, said shelf member having forward edge portions engaging in said horizontal recess in the rear face of the back member.

2,543,876
HYDRAULIC POWER UNIT WITH FIXED PISTON FOR PRODUCING OSCILLATING MOTION
William P. C. Smith, Rockport, Mass.
Application April 23, 1949, Serial No. 89,207
2 Claims. (Cl. 121—38)



1. A hydraulic power unit of the kind described, comprising an inner fixed piston-like blade, a rotatable surrounding member having a recess therein adapted to fit closely about the fixed blade, means to admit hydraulic pressure into said chamber on opposite sides of said blade to oscillate the surrounding member thereabout, and an enclosing element surrounding the rotatable member and adapted to be yieldingly moved thereby during oscillations of said rotatable member, the said surrounding element being adapted to be connected to mechanism to be actuated.

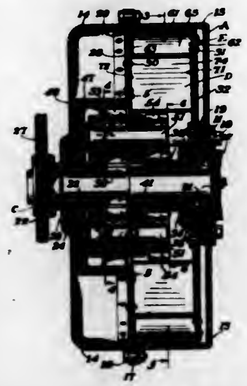
2,543,877
SPEED WARNING SIGNAL FOR AUTOMOBILE DRIVERS
Charles Stein, Los Angeles, Calif.
Application April 8, 1949, Serial No. 86,150
11 Claims. (Cl. 177—311.5)



1. In an automobile speed signaling system: an electrically energizable signal device; a plurality of circuit controllers in series with said device; means for selecting any one of said controllers to interrupt the series circuit; a plurality of contacts connected respectively between said controllers; and speed responsive means selectively cooperating with said contacts for causing energization of the signal device when any contact beyond the open controller is selected by said speed responsive means.

2,543,878
FLUID CONTROLLED TRANSMISSION
Virgil F. Stewart, East Cleveland, Ohio
Application January 11, 1949, Serial No. 70,321
8 Claims. (Cl. 74—688)

1. A power transmission device comprising a hydraulic coupling including two elements relatively rotatable about a common axis and having a mutual torque reaction; a power input shaft and a power output shaft concentric with the said axis, one of the elements being directly coupled to one of the said shafts; and an epicyclic gearing coupled to both the said shafts and the other said element, comprising a ring gear fixed on one of the said shafts, a spider journalled for rotation about the said axis, a first gear fixed on the other said shaft, a second gear rotatable on



the spider meshing with the first gear, a third gear rotatable on the spider meshing with the second gear and ring gear, a fourth gear on the spider rotated by the third gear, and a fifth gear journalled for rotation about the said axis and driven by the fourth gear, the fifth gear being coupled to the other element.

2,543,879
PADDLE
Samuel G. Stuckey, Farmington, Mo., assignor to Franklin J. Essner, St. Louis, Mo.
Application February 27, 1948, Serial No. 11,640
14 Claims. (Cl. 9—24)

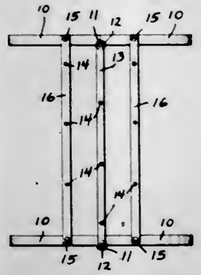


1. A paddle comprising two similar sections of plastic material permanently bonded together to form a hollow shell including blade, shank, and knob portions, reinforcing means for the shell interiorly thereof, a plurality of air pockets formed thereby, means whereby said pockets may be first evacuated and thereafter charged with air under pressure, and means for sealing said air within said shell.

2,543,880
WREATH HOLDER FOR CASKETS
Leroy M. Thorp and Eddie R. Nelson, Sioux City, Iowa, assignors to White Manufacturing Company, Colorado Springs, Colo., a corporation of Illinois
Application May 26, 1947, Serial No. 750,444
2 Claims. (Cl. 248—27.8)

1. A wreath holder for caskets comprising two pairs of pivoted arms, each pair of which is mutually pivoted, said arms being curved to conform to a casket lid, bars pivotally attached between said arms having wreath holding points attached thereto, there being a plurality of such

bars, pivoting of the arms providing means for collapsing said holder, resilient and frictional strips attached beneath said arms to prevent displacement thereof when resting upon a casket lid,



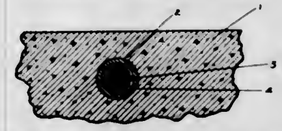
said bars being in parallel relation to each other when said wreath holder is in its expanded position, and said bars being in continued parallel relation when said holder is collapsed.

2,543,881
FLOATING REEL SEAT FOR FISHING RODS
Charles Leonard Umphlette, Bellevue, and Leo Vernon Hodgeboom, Kirkland, Wash.
Application October 11, 1948, Serial No. 53,856
3 Claims. (Cl. 43—22)



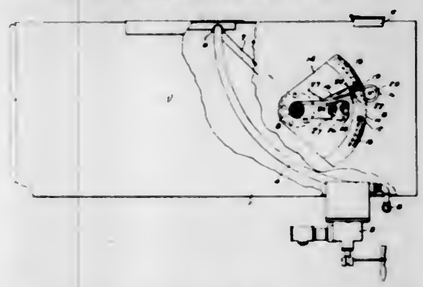
1 A floating reel seat for fishing rods adapted for use on a cylindrical fishing rod handle or a handle having a cylindrical portion, comprising: two oppositely faced clamping units; each clamping unit having a cylindrical inner sleeve adapted to be slidably positioned on the cylindrical portion of the rod handle; said inner sleeve having exterior coarse pitched threads on its outer surface, said inner sleeve having a grip portion formed on the outer end of a greater diameter than the extreme diameter of the threads, and said inner sleeve having a notch through the inner end adapted to engage the sides of a fishing reel bridge; and each clamping unit having a cylindrical outer sleeve having a knurled outer surface and a threaded interior bore, said threaded bore being adapted to operatively engage the exterior threads of said inner sleeve, and the inner end portion of said threaded bore being outwardly coned at a slight angle to form an engaging surface for slidably engaging the bridge of a fishing reel.

2,543,882
ELECTRICAL HEATING SYSTEM FOR DAMP PLACES
Reuben S. Tice, Monterey, Calif.
Application March 5, 1949, Serial No. 79,828
4 Claims. (Cl. 219—19)



1. In an electrical heating system including an electrical alternating current circuit of relatively high amperage and relatively low voltage having a conductor of magnetic material therein providing the heating element, a metallic, waterproof, non-magnetic material enclosing said conductor providing a medium around said cable for establishment of induced currents and consequent heating thereby.

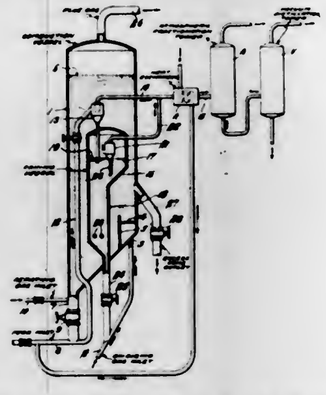
2,543,883
SLUMP METER FOR TRUCK CONCRETE MIXERS
Henry C. Von Saspe, Bound Brook, N. J., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application September 15, 1945, Serial No. 616,520
10 Claims. (Cl. 137—21)



1. Means for regulating the quantity of water in the water tank of a concrete mixer comprising an operating shaft, a gallonage indicating quadrant, an operating lever connected to said shaft and movable over said quadrant, a temperature indicating lever movable relative to said shaft and gallonage indicating lever, a distance indicating lever movable relative to said shaft and gallonage indicating lever, means for independently locking said temperature indicating lever and said distance indicating lever in adjusted positions relative to said gallonage indicating lever and said quadrant to position said gallonage indicating lever and shaft in position to provide a predetermined excess quantity of water in the tank over the gallonage indicated by the gallonage indicator.

2,543,884
PROCESS FOR CRACKING AND COKING HEAVY HYDRYOCARBONS
John Weikart, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 12, 1947, Serial No. 768,197
6 Claims. (Cl. 196—56)

1. A process for the production of valuable products from heavy residual hydrocarbon oils which comprises contacting said heavy residual hydrocarbon oils with hot finely divided coke in an initial conversion zone at a temperature above 900° F. for a relatively short period to cause mild cracking and vaporization of the less refractory portions of the oils but for an insufficient time to effect extensive coking of said oils, segregating and recovering the vapors from said initial conversion zone, passing the coke particles and unvapo-

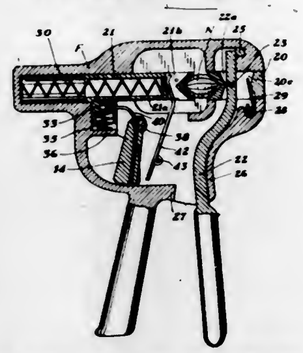


rized portion of said oils into a coking zone at a temperature of at least 850° F. and allowing said coke particles and unvaporized portion of the oil to remain in contact in said coking zone for a substantially longer period of time than the period of residence in the reaction zone and sufficient to convert said unvaporized portion of the oil into vapors and coke and withdrawing a stream of hydrocarbon vapors and relatively high grade coke from said coking zone.

2,543,885
WATER-SOLUBLE PETROLUEM SULFONATES
Chester E. Wilson, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 8, 1947, Serial No. 772,783
9 Claims. (Cl. 260—504)

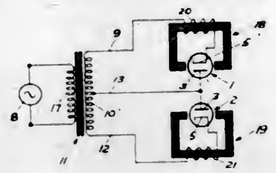
1. A process for the production of water-soluble hydrocarbon sulfonates which comprises reacting a hydrocarbon oil fraction boiling substantially between 500° F. and 800° F. with a strong sulfonating agent at an elevated temperature to produce a crude sulfonation product, extracting said crude sulfonation product with a first solvent consisting essentially of at least one organic solvent selected from the class consisting of liquid aromatic hydrocarbons having 6 to 9 carbon atoms per molecule, monochlorinated liquid aromatic hydrocarbons having 6 to 9 carbon atoms per molecule and polychlorinated aliphatic hydrocarbons having 1 to 2 carbon atoms per molecule to form a first extract phase and a sludge phase, separating said first extract phase from said sludge phase, neutralizing the sulfonic acids in said first extract phase with an aqueous solution of a basically reacting alkali metal compound to form a first mixture, separating said first solvent from said first mixture leaving a second mixture, extracting said second mixture with a second solvent consisting essentially of at least one liquid aliphatic hydrocarbon having between about 3 and 10 carbon atoms to form a second extract phase and an aqueous phase, separating the second extract phase from the aqueous phase, and recovering said sulfonate salts from the aqueous phase.

2,543,886
NUTCRACKER
Andrew C. Brookey, San Antonio, Tex.
Application April 21, 1948, Serial No. 22,298
3 Claims. (Cl. 146—16)



1. In a nutcracker, in combination, a frame, opposed nut engaging jaws mounted on said frame for relative movement toward and away from each other, means for causing said jaws to apply cracking pressure to an interposed nut which they mutually engage, and mechanism for advancing and retracting one of said jaws said mechanism comprising, a spring for advancing the said jaw to nut engaging position, a member for locking the jaw against movement under the pressure applied through a nut during a nut cracking operation, a lever pivotally mounted on said frame and engaging said jaw, and a trigger pivotally mounted on said frame and connected to said locking member, the arrangement being such that initial movement of said trigger withdraws said member from said jaw, and further movement of said trigger causes it to contact with and actuate said lever and thereby cause retraction of the jaw against the action of the spring.

2,543,887
MAGNETRON POWER SUPPLY CIRCUITS
William C. Brown, Lincoln, and John E. Stacy, Winthrop, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 11, 1947, Serial No. 733,840
11 Claims. (Cl. 250—27)



1. An electrical circuit comprising: an evacuated electron-discharge device of the magnetron type having an anode element comprising a plurality of resonant cavities, a cathode element, and an electromagnet for establishing a magnetic field in a direction transversely of the electron path between said cathode and said anode; means connecting said device across a source of alternat-

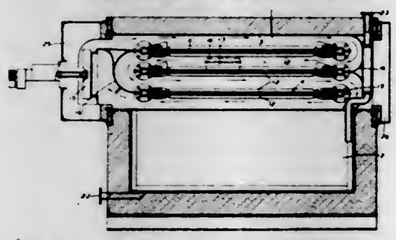
ing current for energization solely therefrom; and means connecting the exciting coil of said electromagnet directly in series between said source and one of said elements.

2,543,888
ROTARY FERTILIZER INJECTOR
George H. Bunch, Statesville, N. C.
Application March 12, 1948, Serial No. 14,555
2 Claims. (Cl. 111—91)



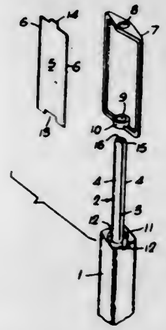
2. In a distributor for injecting material into the ground, an axle, a hollow wheel journalled on said axle and constituting a container for such material, feed means for injecting measured quantities of the contents of said wheel into the ground comprising a plurality of hollow hoes projecting radially from the periphery of said wheel at angular intervals therearound and communicating interiorly with the interior of said wheel, a cam fixed to said axle within said wheel and having a downwardly extending lobe, plungers extending one from each hoe inwardly of said wheel toward said cam, cam followers carried one on each plunger at the inner end thereof, springs disposed between said wheel and said plungers maintaining said cam followers in contact with said cam, and means on said plungers at the outer ends thereof for moving measured quantities of the contents of said wheel outwardly through said hoes as said plungers are moved outwardly of said hoes by said cam lobe, said cam having serrations on the forward side of said lobe in the direction of movement of said rollers about said cam for vibrating said plungers.

2,543,889
QUICK-FREEZING MACHINE
Charles Dennistoun Burney, Baynards Park, near Cranleigh, England, assignor to Fresh Frozen Foods Limited, London, England
Application January 22, 1947, Serial No. 723,475
In Great Britain January 25, 1946
8 Claims. (Cl. 62—114)



1. In a freezing apparatus, in combination, an exterior insulating frame; a freezing compartment formed in said frame; a plurality of superimposed vertically spaced substantially horizontal shelves mounted in said freezing compartment for supporting the trays thereon; the shelves having parallel tubular spaces formed therein; means for circulating a refrigerant through said tubular spaces; means for circulating a stream of air in a sinuous path along said shelves so as to contact the same at their upper side and at their under side; and fins provided on at least the under side of said shelves parallel to the current of air set up by said circulating means.

2,543,890
SAFETY RAZOR
Arthur Cecil Butler, Colgate, England, assignor to Rolls Razor Limited, London, England, a British company
Application July 8, 1948, Serial No. 37,692
In Great Britain March 22, 1948
2 Claims. (Cl. 30—37)



1. A safety razor blade holder comprising a handle, a fixed shank projecting from one end of the handle and split longitudinally to form side portions between which the blade can be inserted and which will act resiliently to grip the blade, a guard in the form of a closed substantially rectangular frame which is larger than the blade to be used with the holder, aligned holes in the end portions of said frame through which holes said shank passes so as to constitute a pivot for said frame while permitting the frame to be removed from the shank, and oppositely disposed slots in the end of the handle adjacent said shank, the slots receiving one of the said end portions of the frame and being wider than said end portion to enable the frame to execute a limited amount of rocking movement about said shank.

2,543,891
VARIABLE ULTRA HIGH FREQUENCY CIRCUITS
Wendell L. Carlson and Robert L. Harvey, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 4, 1948, Serial No. 42,528
19 Claims. (Cl. 250—36)

1. An oscillation generator comprising an amplifier having a cathode, a control member and an anode, a resonant circuit including means for tuning said circuit over a predetermined frequency range, a coupling capacitance element for coupling said circuit to said member, a circuit connection between said circuit and said anode,

a source of voltage coupled to said amplifier, and unicontrol means for increasing the capacitance of said element substantially simultaneously with



a reduction of the resonant frequency of said circuit, thereby to increase the coupling between said amplifier and said circuit.

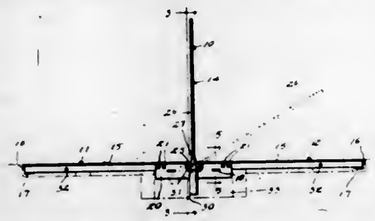
2,543,892
INNER COLLAPSIBLE MOLDING FORM
John H. K. Carpenter, Richmond, Va.
Application December 29, 1948, Serial No. 68,013
4 Claims. (Cl. 25—130)



1. In a molding apparatus which includes a pouring platform, a continuous raised sill carried on said platform, and an outer form assembled to stand vertically on said platform adjacent the outer periphery of the sill, an inner collapsible form adapted to stand vertically about the inner periphery of the sill, comprising, a plurality of independent wall members arranged in angular disposition, independent corner pieces disposed at the lines of divergence of the wall members, said wall members having spaced pairs of elongated slots formed therein, said corner pieces having spaced studs coinciding with the elongated slots of said wall members, each of said corner piece studs being slidably retained in a corresponding wall member slot by a nut threaded thereon, lock members carried by the corner pieces engaging the wall members and locking them in selected adjusted positions relative to the corner pieces, angular pulling bars carried by the corner pieces to extend inwardly of the wall members, and a cover for the form supported from said wall members.

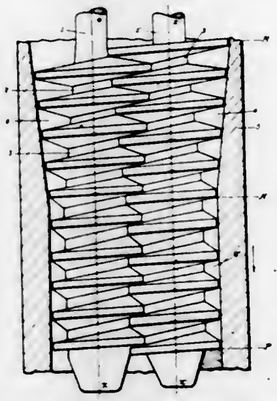
2,543,893
AUTOMATIC GATE
Chester C. Chandler, Austin, Tex.
Application July 21, 1947, Serial No. 762,351
3 Claims. (Cl. 39—44)

1. A gate of the kind described comprising a pair of grate sections spaced apart at their inner adjacent ends, each of said grate sections including a plurality of spaced apart longitudinally extending elongated grate members, a plurality of connecting plates secured to the adjacent inner ends of selected ones of said grate members of said sections, the top edges of said plates being disposed below the top edges of said grate members and formed with arcuate notches therein, a bearing member carried in each of said notches, a transverse connecting member on each of said grate sections engaging through said grate members intermediate the length thereof and spaced downwardly from the top edge thereof, a gate member including a horizontal tubular member rockably carried by said bearing members, a plurality of spaced apart pickets, means for se-



curing said pickets to said tubular member, and a plurality of weight members secured to said means in diametrically opposed relation to said pickets for normally urging said pickets to an upright position, said pickets being disposed between said spaced apart elongated grate members whereby when said gate is rocked to the horizontal position said pickets will be received between said elongated grate members and below the top edges thereof and said transverse members will engage said pickets for limiting the rocking of said gate.

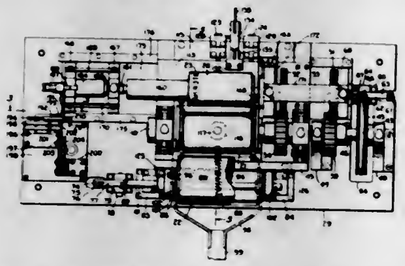
2,543,894
SCREW PRESS FOR MIXING AND EXTRUDING PLASTIC MATERIALS
Roberto Colombo, Turin, Italy
Application February 21, 1948, Serial No. 10,156
In Italy March 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1964
4 Claims. (Cl. 18—12)



2. In a press for extruding thermoplastic synthetic resins of the type embodying two or more screws rotating in the same direction, the thread of each screw completely filling the spaces between the threads of the screw intermeshing therewith, each screw being subdivided into sections varying in pitch, core diameter and outer screw diameter, the improvement wherein at

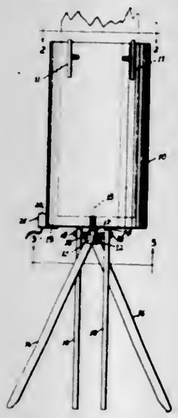
least one of the sections into which the screw is subdivided is conical, the taper of the core of each of said conical sections being opposed to that of the surface tangential to the end of the screw threads, the end section of each intermeshing screw being a cylindrical screw.

2,543,895
COATING DEVICE FOR ENGRAVED CYLINDERS
Lawrence B. Corbett, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 28, 1946, Serial No. 719,011
7 Claims. (Cl. 91—50)



1. In a machine for applying a coating to an engraved printing cylinder, means for pivotally mounting said cylinder, a transfer roller, means for pivotally mounting said roller in cooperation with the surface of said cylinder, means for applying coating material to said transfer roller, a driving means, separate driving connections from said driving means to said pivotal mounting means of said cylinder and said transfer roller, said separate driving connections being so proportioned to said cylinder and roller that each is driven at a different peripheral speed, whereby said coating material is applied with a wiping action from said transfer roller to said cylinder.

2,543,896
CHRISTMAS TREE STAND
David L. Daily, Birmingham, Ala.
Application March 29, 1946, Serial No. 658,113
1 Claim. (Cl. 248—44)



A Christmas tree stand, comprising an upright container having its top open and provided in its bottom with a central screw-threaded opening, a vertical bolt engaging upwardly within the central screw-threaded opening and extending through the bottom and having a head arranged below and spaced from the bottom, a rectangular block of substantial thickness mounted upon the bolt beneath the bottom and clamped between the bottom of the container and the head of the bolt and having its sides disposed vertically, the block being substantially narrower than the container, horizontally disposed screws engaging in the vertical sides of the block and projecting outwardly thereof, legs pivotally mounted upon the screws and having inner vertical faces slidably contacting the vertical sides of the block, the legs being swingable in the vertical planes of the sides of the block, the legs being arranged bodily below and close to the bottom of the container and laterally inwardly of its side, the bolt being provided in its upper end with a recess, a vertical pin removably mounted within the recess and projecting above the bottom of the container, and horizontal adjusting screws mounted upon the side of the container for engagement with the trunk of the tree to position the same within the container.

2,543,897
METHOD OF INCREASING THE RIBOFLAVIN CONTENT OF LIQUID BIOLOGICALLY ACTIVE OR NUTRITIVE MATERIALS
George I. de Becze, Cincinnati, Helen N. Moore, North College Hill, and Elizabeth Schraffenberger, Cincinnati, Ohio, assignors to Schenley Industries, Inc., a corporation of Delaware
No Drawing. Application March 26, 1947, Serial No. 737,420
4 Claims. (Cl. 195—35)

1. A method of treating distillers' stillage to increase its content of B-vitamins, by means of the organism *Eremothecium ashbyii*, which consists in supplementing said stillage with inorganic nitrogen and phosphorus nutrient and with carbohydrate nutrient for said organism, adjusting the pH of said supplemented stillage to substantially 5–6, sterilizing said supplemented and adjusted stillage, inoculating said sterilized supplemented and adjusted stillage with said organism, and propagating said organism in said sterilized supplemented and adjusted stillage at a temperature of substantially 29° C.–32° C. while agitating and aerating said sterilized supplemented and adjusted stillage, the inoculum of said organism being a culture of said organism which has been propagated in said supplemented and adjusted sterile stillage under aeration and agitation and which is intermixed with said supplemented and adjusted stillage.

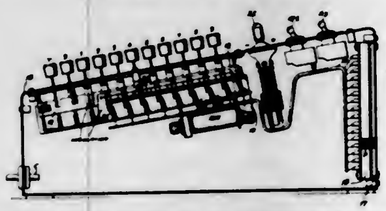
2,543,898
PELLETIZING ORE FINES
Fred D. De Vaney, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
Application June 10, 1946, Serial No. 675,675
2 Claims. (Cl. 75—3)



1. In the process of pelletizing homogeneously moistened ore fines which involves rolling a

charge consisting of such moist fines in an inclined rotary drum, in the course of which rolling procedure moisture is worked out of the interior of the pellets onto the surfaces so that the finished pellets glisten and tend to stick to each other by reason of the excessive amount of moisture on their surfaces, the step of preventing the sticking together of the formed pellets which consists in applying a few percent by weight of dry ore fines to the surfaces of the formed pellets, at a locus near the uppermost travel of the pellets and where the latter are rolling onto themselves, and thereupon promptly discharging the resulting non-sticky pellets from the drum.

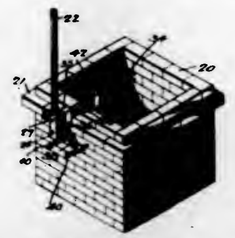
2,543,899
KEYBOARD
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 21, 1945, Serial No. 617,834
4 Claims. (Cl. 235—145)



1. A sectional keyboard including separate self-supporting key column sections, each including digit keys and key contacts operable thereby for setting up negative or positive amounts, each section also including a plugboard to which the key contacts are internally wired and whereby the sections may be flexibly electrically connected, in any desired grouping, by plug wires so as to connect the digit key contacts of the grouped sections to digit input circuit lines, a first chosen section including a sign selecting switch having a positive sign side and a negative sign side and settable according to the sign of the amount for which the keyboard has been set, one sign manifesting electrical element electrically connected to a corresponding sign side of the switch of the first chosen section, the opposite sign side of the switch being wired to the plugboard of the first chosen section, an opposite sign manifesting electrical element electrically connected to the plugboard of a second chosen key column section, a plugwire between the plugboards of the two chosen sections to place said opposite sign side of the switch in the first chosen section in control of said opposite sign manifesting element of the second chosen section, and an outside source of electrical potential plugged to the plugboard of the first chosen section so as to apply power through said switch selectively to either the sign manifesting electrical element connected to the first chosen section or the opposite sign manifesting element connected to the second chosen key column section depending on the setting of said switch.

2,543,900
TELEVISION ANTENNA BRACKET
Frank E. Dudley, Philadelphia, Pa., and Roy A. Dudley, North Kenova, Ohio
Application January 17, 1949, Serial No. 71,286
3 Claims. (Cl. 248—43)

1. In a television antenna clamp, a socket, a bar secured to the socket and extending transversely thereof, an outside clamp mounted on the bar near the socket and extending transversely of the bar and longitudinally of the socket, having diverging spaced arms at the end of the outside clamp remote from the bar, screw clamps



on the arms and an inside clamp slidable along the bar, lockable by clamping pressure of the screw clamps in any sliding position and extending transversely of the bar in the same direction as the outside clamp.

2,543,901
PLYWOOD TUBING
James J. Dunne, Westport, Conn., and Orvil S. Tuttle, New Rochelle, N. Y., assignors to United States Plywood Corporation, New York, N. Y., a corporation of New York
Original application May 3, 1943, Serial No. 485,478, now Patent No. 2,449,526, dated February 27, 1948. Divided and this application December 31, 1945, Serial No. 638,598
7 Claims. (Cl. 138—79)

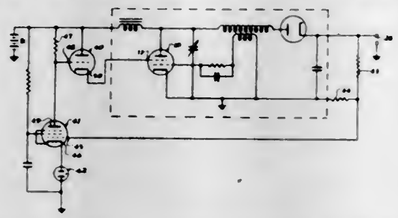


1. A heat and pressure molded seamless plywood tube comprising a plurality of telescoped jointed units united to each other by intervening layers of thermo-sensitive bonding material, each unit comprising two layers of veneer bonded to each other to form an integral double-ply structure and being shaped as a continuous, tubular shell, the joints in the plurality of units being staggered.

2,543,902
RADIO FREQUENCY VOLTAGE SUPPLY
Raymond C. Dye, Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 15, 1950, Serial No. 144,368
6 Claims. (Cl. 321—2)

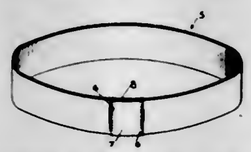
1. A radio frequency high voltage generator comprising a vacuum tube having at least an anode, cathode, screen grid and control grid; a transformer having a primary and a secondary winding; a rectifier having a pair of terminals and a capacitor serially connected together and connected in series with the transformer primary winding and the cathode-anode interelectrode space of said vacuum tube; a resistor-capacitor network having a selected time constant connected serially with the transformer secondary winding and the cathode-grid interelectrode space

of said vacuum tube; a variable capacitor connected in shunt with the cathode-anode interelectrode space of said vacuum tube; a source of anode potential connected in series with a choke coil and the cathode-anode interelectrode



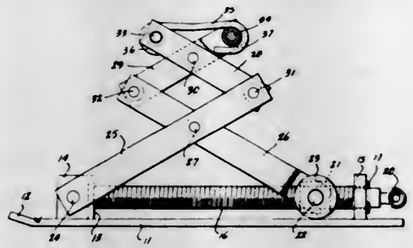
space; a source of positive potential connected to said screen grid, and an output terminal connected to one of said rectifier terminals and a second output terminal connected to the vacuum tube cathode.

2,543,903
TAPE BELT
William J. Elvin and George L. McLuckie, Frostburg, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application November 22, 1944, Serial No. 564,668
6 Claims. (Cl. 74—231)



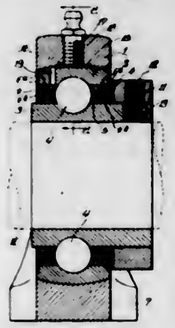
5. A belt comprising a woven fabric tape consisting essentially of stretched cellulose ester yarns and having integral ends of regenerated cellulose, said ends being lapped and positively joined at the lapped portions.

2,543,904
AUTOMOBILE JACK
Winfield G. Ernst and Robert M. Newlin, York, Pa.; said Ernst assignor to said Newlin
Application August 30, 1946, Serial No. 694,080
2 Claims. (Cl. 254—122)



1. In a vehicle jack, a horizontally-disposed base, an abutment member secured to said base adjacent an end of the latter, a lug member arranged adjacent the other end of said base and secured to the latter, a horizontally-disposed threaded shaft extending through said lug and abutment members and rotatably mounted therein, a traveling nut member interposed between said abutment member and lug member and in threaded engagement with said shaft, and a scissors linkage operatively connected to said abutment member and said traveling nut member, said linkage embodying a first pair of bottom links, a second pair of bottom links, the first and second pairs of links being arranged in criss-cross relation with respect to each other, means extending through said pairs of links at the point at which the links criss-cross each other for pivotally connecting the same together, the lower ends of the first and second pairs of links being respectively pivotally connected to said abutment member and said traveling nut member, a third pair of links having the lower ends pivotally connected to the upper ends of said second pair of links, a fourth pair of links having their lower ends pivotally connected to the upper ends of said first pair of links, said third and fourth pairs of links being arranged in criss-cross relation with respect to each other and pivotally connected together at the point at which said links criss-cross each other, a connecting pin extending between the upper ends of each of said third and fourth pairs of links and supported therein, and a bearing plate extending between the connecting pins and secured to the latter for supporting a portion of a vehicle adjacent a deflated tire, the respective links of said first and second pairs of links being of equal lengths and longer than the respective links of said third and fourth pairs of links.

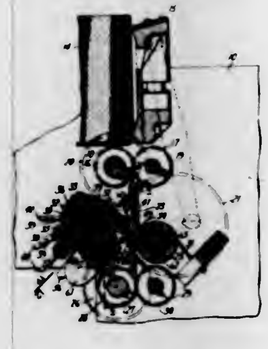
2,543,905
SHAFT BEARING
David Firth, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application August 30, 1945, Serial No. 613,471
6 Claims. (Cl. 308—187)



3. A self-aligning shaft bearing comprising a sealed antifriction bearing unit having an annular series of balls and an outer race ring in which they run, said ring having a spherical periphery with a truncated portion forming a flat surface of circular area centered at approximately the plane of centers of the balls and of a diameter substantially greater than the width of the ball race in said ring, the center of sphericity of said periphery being at approximtaely said plane, an interiorily spherical housing in which said unit fits and is universally angularly movable for self-alignment with the shaft, said ring and housing cooperating to form a closed lubricant chamber between said flat surface and the confronting interior surface of the housing, said ring having a grease duct drilled straight therethrough from

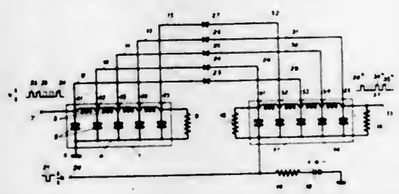
the outer portion of said flat surface and located with its outlet between said ball race and the adjacent sealing means of said unit, and means in the housing wall opposite said flat surface through which lubricant can be introduced into said chamber, comprising a fixed stud disposed radially of said spherical surface and so located that said flat surface can be centered therewith when the bearing unit is aligned with the housing, said stud having its inner end protruding slightly into said chamber and clear of said flat surface when so centered and coactive therewith for limiting angular movements of said ring and unit other than on axes extending through a central part of said flat surface, the said flat surface and inlet of said duct being covered by the housing and completely encircled by contacting spherical surfaces of said ring and housing in all positions which the unit can assume.

2,543,906
PERFORATED RECORD ANALYZING MEANS WITH REMOVABLE BRUSH HOLDER
Eugene A. Ford, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 7, 1947, Serial No. 727,204
2 Claims. (Cl. 173—328)



1. In a record controlled machine wherein perforated records are successively fed between a row of analyzing brushes and a coacting contact roller engaged by said brushes through the perforations, the combination of a row of said analyzing brushes, a member supported in a fixed position in the machine insulatably carrying a row of plug wire receiving sockets for receiving a related plug connection in an electrical circuit to be completed by the associated brush and contact roller when a perforation is encountered, said sockets having exposed terminal ends, a second member removably mounted in the machine insulatably carrying said row of analyzing brushes also having exposed terminal ends electrically contacting with associated ones of said first named terminal ends and said brushes coacting with said contact roller when said second member is fixed in said machine in analyzing position, and means for detachably supporting said second member in framework plates of the machine in said fixed position with the terminal members of both members in electrical contact, and said brushes in coaction with said contact roller, said detachable means being disabled to enable withdrawal of the second member from analyzing position for inspection of said brushes without disturbing said plug connections made to the sockets of said first named member, and providing by its removal complete access to said contact roller.

2,543,907
PULSE PERMUTATING ELECTRICAL CIRCUITS
Paul François Marie Gloess and Louis Joseph Libois, Paris, France
Application November 1, 1949, Serial No. 124,773
In France November 13, 1948
5 Claims. (Cl. 177—380)

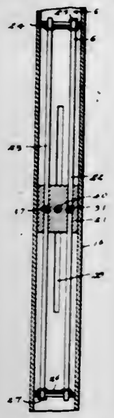


1. In an electrical transmission system wherein signals are transmitted by successive groups of pulses staggered in time at regular intervals each group being constituted by a plurality of pulses and having a constant duration, a device for permutating pulses in each one of said groups according to a predetermined law, comprising two delay lines each having a delay time at least equal to said constant duration, taps along the length of said delay lines in number equal to that of pulses in one group, resistances for terminating both ends of each of said delay lines so as to avoid reflection of signals at said ends, two-terminal unidirectionally conducting elements in number equal to that of pulses in one group and each connected by one of its terminals to one tap of one of said delay lines and by the other of its terminals to one tap of the other delay line, means for biassing said two-terminal unidirectionally conducting elements so as to render them normally non-conducting, a pulse generator producing recurrent control pulses with a period equal to the time interval between two successive group of pulses, means for applying said control pulses to all said unidirectionally conducting elements so as to render them conducting at recurrent time intervals, means for impressing above-said signals constituted by groups of pulses upon one end of one of said delay lines, and means for receiving modified signals at one end of the other delay line and impressing said modified signals upon a working circuit.

2,543,908
ARTIFICIAL LEG
George Guzey, Valdosta, Ga.
Application September 24, 1946, Serial No. 698,986
4 Claims. (Cl. 3—2)

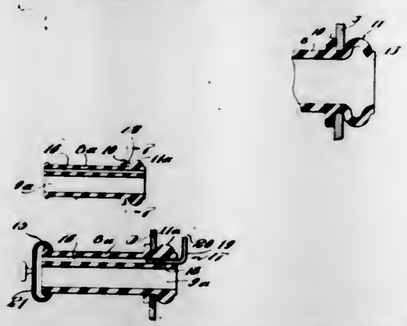
1. An artificial leg comprising an upper thigh member, a calf member, a foot member, means hingedly connecting said members together, link means connecting said foot member with said thigh members, and fluid means in said calf member connected to said link means whereby rocking of said foot member will effect rocking of said calf member, said fluid means including an elongated cylinder formed with a pair of elongated slots, a slide in said cylinder, a pair of tubes extending through said slide, oppositely disposed pistons carried by said tubes, oppositely closing check

valves carried by said tubes, means connecting said slide to said link means, and valve means



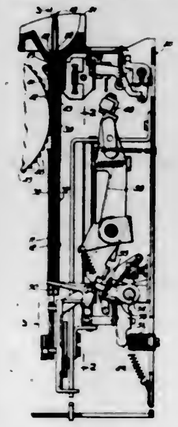
carried by said slide for regulating the passage of fluid through said tubes.

2,543,909
SPOUT WITH SPACED, FLEXIBLE, PERIPHERAL FLANGES, RELEASABLY CONNECTIBLE TO THE RIM OF A CARTON OPENING
Edwin R. Hatheway, Jr., Newbury, Mass.
Application September 23, 1946, Serial No. 698,649
3 Claims. (Cl. 222—479)



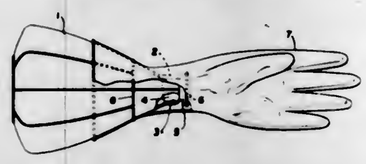
1. In combination with a cardboard beverage container having a pouring opening in its wall, an attachable tubular spout for application to a filled container, and detachable following depletion of the container for use with another filled container to facilitate pouring a liquid therefrom, said spout having a continuous elastic bounding wall, defining a longitudinal pouring passage, spaced radially extending elastic anchoring flanges near one end of the spout formed integral therewith, adapted to embrace the wall of the container bordering the opening, one of said flanges being adapted to be forced through the opening and having at its outer end extremity a pilot lip of small enough diameter to enter the opening a substantial distance without squeezing, said pilot preceding the flange into the opening and increasing in diameter as it merges with the flange, said radial flanges being normally spaced apart along the spout by a distance less than the thickness of the container wall bordering the opening but being longitudinally distendable to increase the space therebetween by stretching the material of the spout between the flanges to permit the marginal portion of the bounding wall to be entered between the flanges and to be gripped therebetween by the tendency for the flanges elastically to return to their normal position.

2,543,910
MACHINE FOR PRINTING ON DUPLEX RECORDS
Robert L. Houston, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 673,534
2 Claims. (Cl. 101—287)



1. The combination with a duplex record comprising first and second sections joined together along a margin and arranged in face-to-face relation, said sections being of substantially the same width, one section being offset a relatively slight distance with respect to the other section whereby the right and left margins of the sections are slightly out of alignment said first section having a record field provided on the inner face thereof and said second section comprising a sheet of light-transmitting material and having a record field provided thereon and disposed in superposed relation with respect to the record field of said first section, of means for receiving and holding said record in printing position comprising means defining a first slot and a second slot arranged in closely spaced parallel relation and receiving, respectively, said first and second sections, said slots being offset with respect to each other a distance commensurate with the discrepancy in alignment between said first and second sections of the duplex record and guide means coacting with each of said slots for holding the inserted sections in approximately parallel closely spaced relation; an inked strip of material interposed between the slightly separated sections and opposite the portions thereof providing the record fields; and printing means comprising a character type element disposed at one side of said record, a platen element disposed on the opposite side of said record, and means providing relative printing movement of said elements toward one another and into printing engagement with opposite outer faces of said first and second sections and so as to compress therebetween said sections and said inked strip whereby the character is printed simultaneously on the record field of said first section and on the inner surface of said light-transmitting material, and the printing element being so formed that the character is printed in normal fashion on the first section and in reverse on the inner side of said second section so that it appears in normal fashion from the outer side of said second section.

2,543,911
GLOVE TESTING
Florence M. Isaacs, New York, N. Y.
Application September 13, 1949, Serial No. 115,363
3 Claims. (Cl. 73—40)



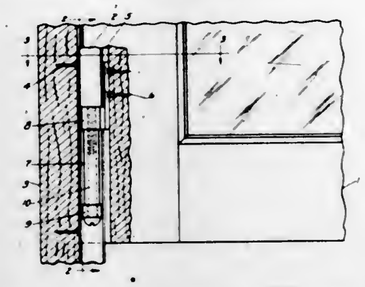
1. A glove testing and powdering apparatus, including, in combination, a frusto-conical hollow bulb formed with an elastic resilient wall and a circumferential external rib in a plane parallel to the base of the frustrum, said bulb being formed with a short neck terminating at the apex of the frustrum, said neck being formed with a through orifice having its axis coinciding with the axis of the frustrum, a removable nozzle having a neck tightly fitting the said through orifice and formed with a perforate end wall whereby the bulb may have powder introduced therein and the wrist of a rubber glove stretched over the sloping face of the bulb and squeezing the bulb will introduce powder to all of the interior walls of the glove and force air into the glove to betray any pin holes in the wall of the glove by failure of the glove to remain inflated on squeezing.

2,543,912
FORMING BOX
Loren G. Johnson, Ventura, Calif.
Application January 24, 1947, Serial No. 724,105
1 Claim. (Cl. 25—128)



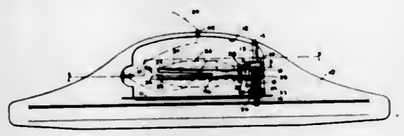
In a device of the character described for enclosing a slotted portion of the flange of an annular pipe fitting, a box structure comprising a bottom and a side wall, a strap to support the upper edge of a reach of said side wall against the underside of the flange at the bottom and at each side of said slot another reach of said side walls extending to the level of the upper surface of the flange laterally of the latter and a top section connected to the last-named reach of said side walls to overlie the slotted portion of said flange, said strap being connected to the side wall of said box structure adjacent the bottom of the slot in the flange and extending over the rim of the fitting into the bore thereof, a top section for said box structure connected to said last-named upper edge to overlie the portion of said flange in which the slot is located, and a strap connected to the edge of said top section extending over the rim of said fitting and into the bore thereof to secure said top section in position.

2,543,913
WINDOW STOP
Gaylord F. Krouse, Mason, Mich.
Application September 28, 1946, Serial No. 699,965
1 Claim. (Cl. 292—76)



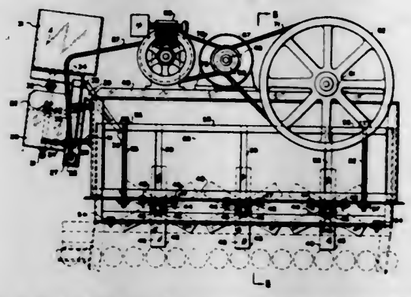
A window stop comprising a square block having a hole through the center thereof, and a pair of slots formed in the said block located opposite each other and being substantially equidistant from the said hole; a second square block provided with an extending member, the said extending member having a pair of holes, the said second block having a threaded hole through the center thereof; a pair of slots formed in the said second block located opposite each other and being substantially equidistant from the said hole, a pair of flat springs, the ends of which are inserted into a slot of each of the said blocks; and a threaded bolt passing through the hole in the said first block, and being threaded into the hole of the said second block, and means for securing the said window stop to a window sash substantially as shown.

2,543,914
BOW SHUTTLE
Delbert B. Lease, Ridgeley, W. Va., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 14, 1949, Serial No. 70,934
2 Claims. (Cl. 139—199)



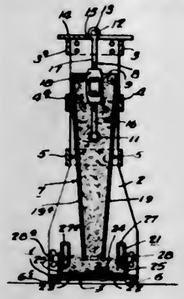
1. A shuttle comprising in combination with a shuttle body having an aperture extending therethrough, a supporting rod positioned in said aperture, a bobbin support for carrying a filling bobbin pivotally engaged with said supporting rod, adjustable stop means carried by said supporting rod and cooperating with said bobbin support for holding said bobbin support parallel to an axis extending along the length of said shuttle body, guide means positioned centrally of the ends of said shuttle body for guiding the yarn as it leaves said shuttle, and means for guiding the yarn over the end of said filling bobbin on its way to said centrally positioned guide means.

2,543,915
PRODUCE TREATING APPARATUS
David Elwyn Leonard, Orlando, Fla., assignor to American Machinery Corporation, Orlando, Fla., a corporation of Florida
Application November 23, 1946, Serial No. 711,911
4 Claims. (Cl. 91—25)



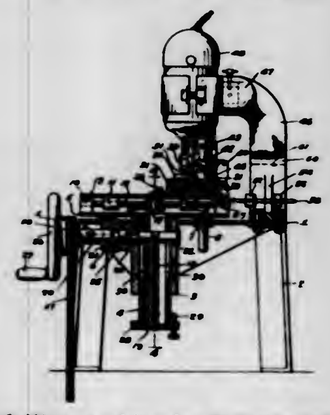
2. A device for attachment to machines having a treating bed for edible produce and for applying a film to said produce, said device comprising a splash shield adapted to be mounted upon said machine above said treating bed, a frame disposed above said treating bed, rotatable buffing elements journalled in said frame to engage the produce being treated on the bed, means supporting the frame from said splash shield and adjustable vertically to space said buffing elements relatively to said treating bed to regulate the action of said buffing elements on said produce, a liquid foaming apparatus carried by said frame, a feed chute extending from said apparatus and positioned to deliver foam therefrom onto the produce on the treating bed and in advance of said buffing elements, and adjustable means between said frame and said apparatus for varying the angular positions of said chute whereby the amount and evenness of distribution of said foam delivered to the treating bed may be regulated.

2,543,916
POULTRY FEEDER
Elmer Lewis, Bristol, Pa.
Application August 31, 1945, Serial No. 613,912
2 Claims. (Cl. 119—53.5)



1. In a poultry feeder, a portable unit comprising a frame, a hopper suspended in said frame and having a bottom discharge opening, said frame having end members with flat outer faces adapting the unit for arrangement in contiguous end-to-end relation with other like units to form an extended substantially continuous feeder structure, a trough extending between said end members and embracing said opening, and closure means for the open top of the hopper, said closure means being movable between open and closed positions and being adapted in the said closed position to cooperate with a depending partition member disassociated from and overlying said units to effectively close the space between said uninterrupted feeder structure and the lower edge of said depending member.

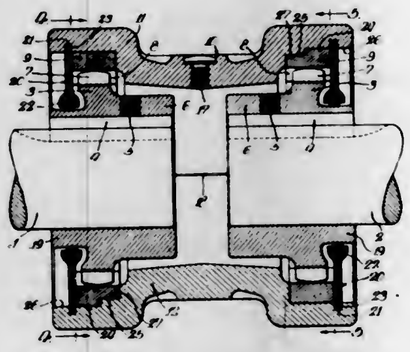
2,543,917
MACHINE FOR SLOTTING VENETIAN BLIND SLATS
John T. Lloyd, Philadelphia, Pa.
Application June 19, 1946, Serial No. 677,765
2 Claims. (Cl. 144—136)



1. A slotting machine for Venetian blinds and the like comprising a base structure, a bracket rigidly mounted on said base, a rotary tool having end and side cutting edges and operable about a vertical axis mounted in said bracket, means for rotating said spindle, said tool being in a fixed vertically spaced position from said base structure, a horizontal work table mounted on said base and adapted to have vertical movement with respect to the base, a second horizontal work table supported on the first horizontal table and adapted to have lateral movement with respect to said first table, quick acting means including a treadle for raising and lowering both work tables with respect to the base structure, a lever pivoted on the first work table and adapted to engage a projection on the second work table whereby the second work table may be quickly shifted laterally with respect to the first work table, an adjustable stop connected to the second work table and adapted to abut the bracket for controlling the lateral shifting amplitude of the second worktable, a pair of spaced, parallel guides adjustably mounted on the second work table adapted to retain a stack of Venetian blind slats therebetween, an adjustable stop centrally positioned with respect to an end of said guides, and toggle means for quickly clamping the slats endwise against the stop and between the guides.

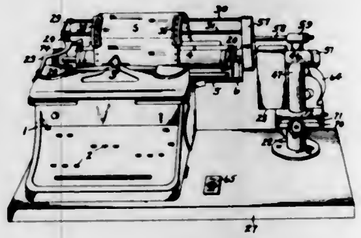
2,543,918
SHAFT COUPLING
Donald P. Lower, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application October 8, 1945, Serial No. 620,969
6 Claims. (Cl. 64—9)

2. A shaft coupling comprising gears adapted to be fixed on the shafts to be coupled, internally toothed gear rings interfitted with said gears, said rings being exteriorly formed each for a part of its length with a cylindrical surface concentric with the pitch circle of its teeth and for the remainder of its length with a cylindrical surface of smaller diameter than and eccentric to but not projecting radially beyond the first mentioned surface, the rings being arranged with



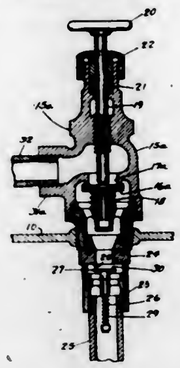
their eccentric parts extending inwardly from the parts of the rings which are exteriorly concentric with the pitch circles of the ring teeth, and a casing having its end portions bored to match said rings and in which the rings fit, said casing comprising separably connected longitudinal half parts which when disconnected can be removed outwardly from said rings.

2,543,919
FEEDING MECHANISM FOR WRITING MACHINES
Carl R. Mabon, Niagara Falls, and Louis F. Hageman, Lewiston, N. Y., assignors to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application May 21, 1946, Serial No. 671,318
40 Claims. (Cl. 197—133)



6. In a writing machine of the character described, in combination, a movably mounted record strip carriage shiftable for letter spacing and return movements, strip feeding means operable for feeding record forms for line spacing, auxiliary driving means for said feeding means, and setting means controlled jointly by operation of said line spacing feeding means and by shift of said carriage for setting said auxiliary driving means in operation to feed the record forms.

2,543,920
FILL AND DISCHARGE VALVE FOR LIQUEFIED HYDROCARBON CONTAINERS
William E. McCabe, Jr., Denver, Colo.
Application March 30, 1949, Serial No. 84,428
5 Claims. (Cl. 62—1)

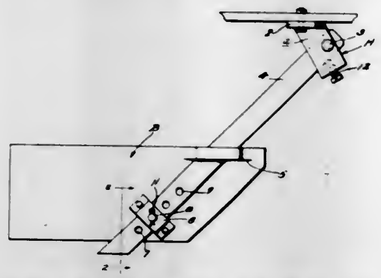


1. A safety fill and drain device for storage tanks for liquified gases, comprising; a conduit having one end adapted to extend below the surface of liquid in the tank, a normally open excess flow valve in series with the other end of the conduit, a valve body having a normally closed check valve therein in series with the excess flow valve, a fill and drain conduit, such as a hose, in series with the check valve adapted to be detachably connected thereto, and means carried by said body and movable between inoperative and operative positions for selectively operating the check valve to hold it open, said means being operable independently of the attachment of the conduit to the check valve, the construction and arrangement being such that when said means is in inoperative position the check valve is automatically opened during filling of the tank from a source of liquid supply and automatically closes when the pressure in the tank exceeds the pressure in the second named conduit, and the excess flow valve closes when reverse flow therethrough exceeds a predetermined rate when said means is in operative position and the check valve is held open thereby, whereby the first named conduit may be employed to fill the tank or drain it, and flow therethrough will be discontinued if the second named conduit should rupture during filling of the tank or draining it.

2,543,921
KNEE ACTING ADJUSTABLE FENDER
David F. McCullar, Lawrenceburg, Tenn.
Application December 4, 1945, Serial No. 632,709
1 Claim. (Cl. 97—188)

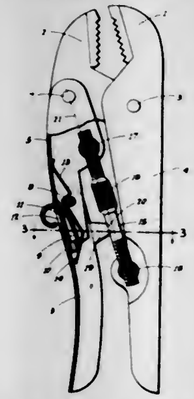
A fender for an earth working machine comprising a relatively long arm, means for attaching the arm at one end to the machine to extend downwardly therefrom to the ground, a relatively long flat blade adapted to have a vertical working position with a longitudinal edge in contact with the ground, said arm extending obliquely across a side face of the blade, means securing the arm and blade together, said arm having its lower end extending below the said one longitudinal edge of the blade, the said means securing the arm and blade together being designed to facilitate disconnection of the arm from the blade, the said securing means comprising a guide carried by the blade through which the arm extends, the arm having a series of apertures there-

through and disposed longitudinally thereof, a pin member adapted to pass through the blade and guide and a selected one of said apertures, and a second guide for the arm, the second guide comprising a relatively long strip of the blade material struck from the blade to have a later-



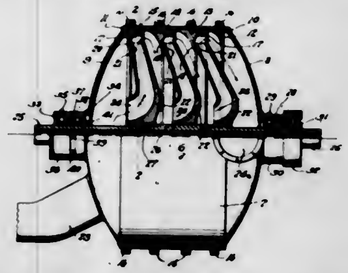
ally offset parallel relation therewith, the first mentioned guide being adjacent to the lower edge of the blade and the second mentioned guide being adjacent to the top edge thereof, and said arm passing between said offset strip and the adjacent face of the blade.

2,543,922
RELEASE MEANS FOR TOGGLE-ACTUATED PLIER-TYPE WRENCHES
Lawrence C. Mead, Turlock, Calif.
Application January 27, 1949, Serial No. 73,047
5 Claims. (Cl. 81—84)



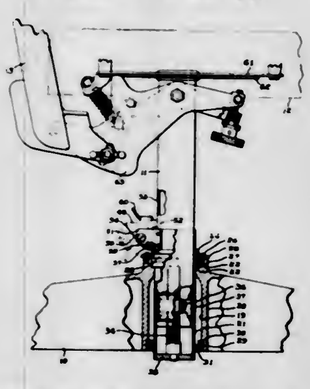
1. In a locking plier-type wrench having longitudinal jaw-control handles arranged for relative approaching and separating movement, one handle being sectional and comprising a forward section pivoted on the corresponding jaw and a rearward grip section pivoted on the forward sections, means between the handle sections preventing relative outward swing of the grip section beyond a predetermined position, and a releasable over dead-center locking bar extending diagonally between and pivotally connected to the other handle intermediate its ends and to said forward handle section intermediate its ends; a lock release means comprising a manually operable member mounted on the sectional handle and acting to normally maintain the handle sections rigid with each other and preventing swinging movement of the grip section relative to the forward section in the direction of the other handle but releasable to allow of such movement, and an element on and rigid with the grip section intermediate its ends for engagement with the locking bar intermediate its ends in fulcruming relation upon such swinging movement being imparted to the grip section whereby to cause the forward handle section to be swung in the opposite direction to reverse the dead-center position of the bar and break the lock.

2,543,923
RADIAL AIR COMPRESSOR
Ward T. Mixsell, Washington, D. C.
Application April 13, 1948, Serial No. 20,699
2 Claims. (Cl. 230—130)



1. In a radial compressor, the combination comprising a shell, heads on said shell, air inlet and discharge ports, bearings in the heads, a shaft mounted in the bearings, shrouded impellers mounted on the shaft, separator rings mounted within the shell and having downwardly extending flanged portions being spaced in close proximity to the shrouds of the impellers to form separate air pressure chambers, deflector blades mounted on the separator rings, the surfaces of the separator rings and the deflector blades tending to change the radial and circular flow of air from the shrouded impellers and directing the same tangentially into the surrounding space.

2,543,924
ADJUSTABLE SEAT SUPPORT FOR CHAIRS
Peter Mondy, Detroit, Mich.
Original application April 5, 1947, Serial No. 739,553. Divided and this application October 2, 1948, Serial No. 52,504
8 Claims. (Cl. 155—93)



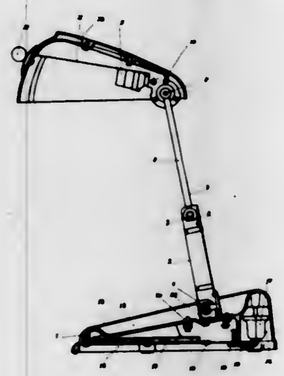
1. An adjustable chair comprising a base having a socket therein formed with an open upper

end, a hollow spindle journaled in said socket and having an open upper end, a threaded height-adjusting stud disposed in said spindle and secured at its lower end to said spindle for rotation therewith, a chair post telescopingly received in said spindle through the upper end thereof for rotation and sliding axial movement in said spindle, a seat support mounted on said post, a threaded height-adjusting nut carried by said post and threaded onto said stud, said spindle and said post providing means for enclosing said stud and said nut, and means for connecting said spindle selectively to said base, whereby upon rotation of said seat support said nut travels along said stud to adjust the height of said seat support relative to said base, and for connecting said spindle to said post, whereby said seat support is rotatable at a fixed height relatively to said base.

2,543,925
PROCESS OF MOLDING ARTICLES HAVING AS BINDER VEGETABLE-TANNED LEATHER AND RESULTING ARTICLE
Alfred Mauricio Monath, London, England
No Drawing. Application June 12, 1946, Serial No. 676,347. In Great Britain June 18, 1945
11 Claims. (Cl. 18—55)

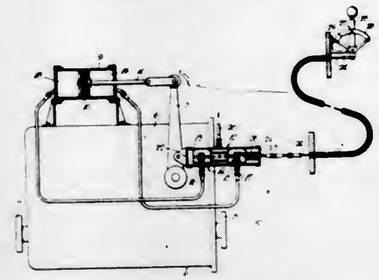
1. A process of forming articles of manufacture comprising evenly distributing a binding agent consisting of finely divided particles of vegetable tanned leather in proportions of 5 to 20 per cent by weight among particles of a base-material the particle size of which is large in comparison with the particle size of the particles of binding agent, cementing the particles of the resulting mixture together under compression in a moist state at a temperature of not less than 300° Fahrenheit while permitting the escape of vapors developed during compression and heating.

2,543,926
RETRACTABLE OFFICE LAMP
André Mounique, Paris, France, assignor to Societe Nouvelle des Etablissements Jumo, Paris, France, a corporation of France
Application September 6, 1946, Serial No. 695,131
In France January 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1965
4 Claims. (Cl. 240—81)



1. An electric table lamp comprising a base, a lower hinge connection on the rear upper surface of the base, a lower half-arm mounted on its lower extremity on said lower hinge connection, an intermediate hinge connection at the upper extremity of said lower half-arm, an upper half-arm mounted on its lower extremity on said intermediate hinge connection, an upper hinge connection mounted on the upper extremity of said upper half-arm and a concave reflector having its lower rear portion connected to said upper hinge connection, the lower periphery of said reflector conforming to the upper periphery of said base both said half-arms being dimensioned within said reflector and base whereby the lower periphery of said reflector registers with the upper periphery of said base and both said half-arms are located in the concavity of the reflector when in folded position.

2,543,927
GEAR-SHIFTING MECHANISM
Donald H. Montgomery, West Hartford, Conn.
Application May 14, 1948, Serial No. 26,944
5 Claims. (Cl. 74—335)

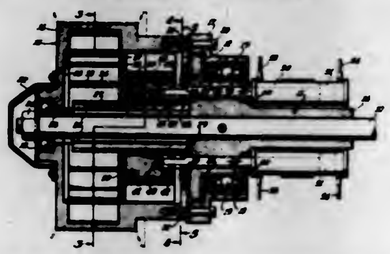


1. In a transmission-control system of the character indicated, gear-shifting means including lever means having a first position for a forward drive and a second position for a reverse drive, double-acting vacuum-responsive actuating means for said lever means, reversing pilot-valve means for said vacuum-responsive means and including two relatively movable parts for the selective operation of said actuating means, one of said parts being carried with said lever means, pilot-valve actuating means including a flexible cable connected to the other of said parts, and resilient means urging said parts with respect to each other in a direction to cause actuation of said crank into said second position.

2,543,928
METHOD OF PRODUCING CELLULOSE PELLETS
John J. O'Neill, Jr., Roxana, and Emerald P. Reichardt, Alton, Ill., assignors to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
No Drawing. Application June 19, 1947, Serial No. 755,726
5 Claims. (Cl. 18—47.2)

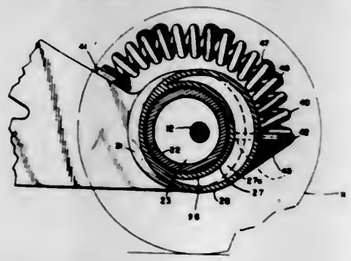
1. In the manufacture of cellulose pellets, the process which comprises introducing drops of cellulose solution into a coagulating bath through an intermediate layer of liquid inert to said cellulose solution, and maintaining the drops of cellulose solution in said coagulating bath at least until the cellulose in the drops is sufficiently coagulated to retain its shape in subsequent handling.

2,543,929
POWER TRANSLATION MECHANISM
Peter M. Olman, Los Angeles, Calif.
Application October 31, 1944, Serial No. 561,190
31 Claims. (Cl. 192—58)



1. In a power translation mechanism the combination of: means forming a fluid chamber; a pair of telescopically disposed bladed members mounted for relative rotation in said chamber with their said blades opposed and in engagement with the fluid in said chamber; means connecting said members and adapted to cause them to rotate in opposite directions; and means for varying the relative axial positions of said members to thereby vary the fluid drag between them.

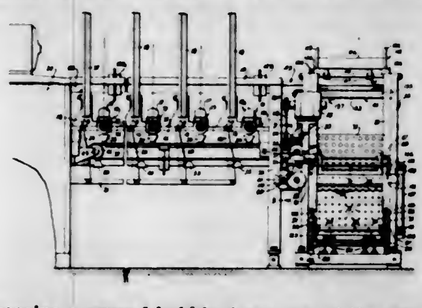
2,543,930
WHEEL SPRINGING INSTALLATION
John J. Pachter, Harvey, Ill.
Application September 12, 1946, Serial No. 696,423
8 Claims. (Cl. 105—180)



1. The combination with a railway car truck, and a wheel applied to the same; of means for springing said wheel comprising an extension from the truck along the inner side of each wheel, the latter being chambered, a tube carried by the extension and directed into the wheel, said tube having its axis parallel to that of the wheel, a filler plate for the wheel and carried thereby, a shaft extended inwardly from the center of the filler plate, a bearing for the shaft carried by said tube, a hub rotatable about the tube and formed with an eccentric enlargement, bearing means between the enlarged hub and the rim of the wheel, and means between said extension and the eccentric portion of the hub enlargement resistant to the tendency of the hub to rotate from the influence of road shocks.

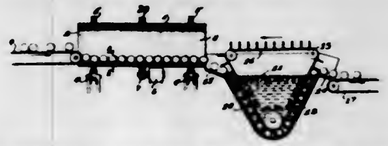
2,543,931
BOBBIN WINDING MACHINE
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 26, 1945, Serial No. 595,971
30 Claims. (Cl. 242—35.5)

1. In a bobbin winding machine having a series of uniformly spaced winding units, a bobbin handling mechanism for delivering doffed bobbins from the winding units onto carriers providing a plurality of bobbin supporting elements arranged in a plurality of rows and spaced apart in each row a distance less than the spacing of said winding units, said mechanism comprising a receiving conveyor having a first series of bobbin holders spaced apart according to the spacing of the winding units and each adapted



to receive a wound bobbin from one of the winding units, a condensing conveyor having a second series of bobbin holders spaced apart according to the spacing of the bobbin supporting elements on said carriers, means for causing the transfer of the wound bobbins successively from the holders of the first series to the holders of the second series, and means for delivering bobbins from said second series of holders onto the supporting elements of the carrier.

2,543,932
TREATMENT OF CITRUS FRUIT TO FACILITATE PEELING
Ralph Polk, Sr., and Ralph Polk, Jr., Tampa, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application October 27, 1948, Serial No. 56,844
8 Claims. (Cl. 146—230)



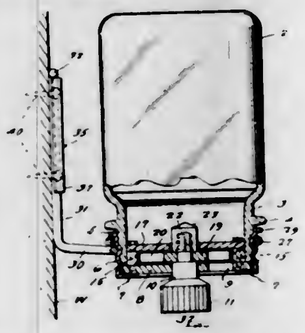
1. A method of treating citrus fruit to facilitate removal of the peel therefrom comprising the steps of mutilating the outer peel layer to expose the albedo, and subsequently subjecting the fruit to heat at least the temperature of boiling water to wilt the albedo.

2,543,933
DETACHABLE FASTENER
Henry Pommier, New York, N. Y.
Application September 20, 1945, Serial No. 617,492
6 Claims. (Cl. 24—230)



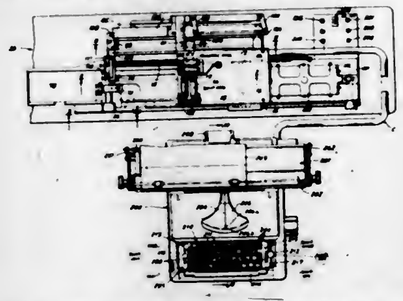
1. A clasp comprising, in combination, a female member having a pair of opposite walls formed with interlocking means, one of said walls being outwardly sprung; a male member having a pair of opposite walls formed with interlocking elements and engageable in said female member; said sprung wall portion being laterally spaced from said male member in the engaged position of said members; and means movably mounted on one of said members for movement in a plane parallel to the inward position of said sprung wall portion and effective, in such movement, to frictionally engage said sprung wall portion to move the same inwardly to engage said male member and to displace said male member laterally to engage said interlocking means with said interlocking elements to lock said members together.

2,543,934
BRACKET FOR SUPPORTING AN INVERTED MASON TYPE JAR CONTAINING ARTICLES TO BE DISPENSED, INCLUDING A RECEPTACLE WITH ROTARY VALVE
Fred Poskey, Stamps, Ark.
Application March 19, 1946, Serial No. 655,402
1 Claim. (Cl. 222—9)



A device for dispensing tablets or the like from an inverted jar comprising a collar adapted to be circumposed upon the lower end of the jar and secured to depend therefrom, said collar having an internal annular flange spaced below the lower end of the jar, a circular support plate for engaging and closing the lower end of the jar, said support plate resting upon said internal flange and occupying the space between the lower end of the jar and said internal flange, an annulus rising from said plate to fit into the lower end of the jar, a guard plate extending across said annulus and spaced at two opposite sides from said annulus to define spaces through which tablets or the like can fall from the jar, a delivery disk positioned in the space between said guard plate and said support plate and concentrically within said annulus, said delivery disk being formed with diametrical pairs of openings, either pair being capable of being registered with the spaces on the opposite sides of the guard plate to receive tablets from the jar while, said support plate being formed with a tablet discharging opening positioned to register with an opening of the remaining pair of openings in said delivery disk while the other pair of openings is registered with said spaces, and means exposed below and traversing said support plate and connected to said delivery disk for rotating said delivery disk to register different ones of the delivery disk openings with said discharging opening, said means comprising a knob having a shank rising therefrom and journalled through said support plate, said shank having a portion secured to said delivery disk, comprising a bolt traversing said delivery disk and a shoulder beneath said delivery disk, and a nut threaded on the upper end of said bolt and bearing downwardly upon said delivery plate to clamp said delivery disk between said nut and said shoulder.

2,543,935
RECORD CONTROLLED RECORDING APPARATUS
Edward J. Rabenda, Poughkeepsie, and Frank J. Furman, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application January 24, 1946, Serial No. 643,188. Divided and this application July 23, 1948, Serial No. 40,236
16 Claims. (Cl. 197—20)

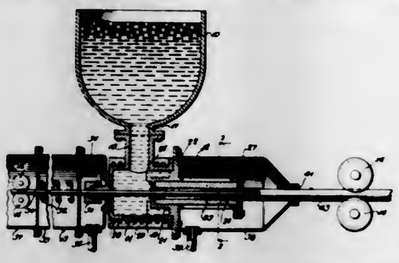


1. In cyclically operable apparatus for transcribing character data onto a copy sheet under the control of data representing designations recorded in successive record columns of a record sheet, the combination of, record sensing means operable during successive cycles to successively sense, respectively, the record columns of said record sheet; means for effecting functional operations of the record sensing means including the ejecting of a record sheet and the feeding of a new record sheet into sensing position; printing means comprising copy sheet holding means and actuators corresponding to recorded designations in the record sheet and operable to effect, respectively, the printing of character data and effect functional operations of the printing means which are represented by said designations; means operable during each operating cycle and in response to the sensing of a code designation, for effecting the operation of the corresponding actuator; and means responsive solely to the sensing of the same preselected designation during a predetermined number of consecutive operating cycles for automatically effecting a selected one of said functional operations.

2,543,936
APPARATUS FOR COVERING A METALLIC CORE WITH A CAST LAYER OF ANOTHER METAL
Julian L. Reynolds, Richmond, Va.
Application September 22, 1947, Serial No. 775,469
1 Claim. (Cl. 22—57.2)

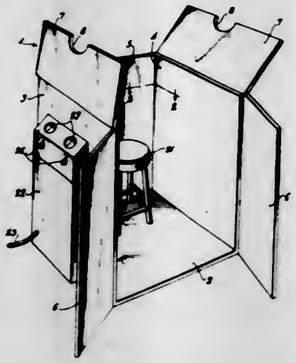
Apparatus for casting a metal sheath upon an elongated metal core having a melting point substantially greater than that of the metal sheath, comprising an elongated horizontally disposed casing divided into a series of chambers by vertical walls centrally apertured to allow the core to pass through the casing, tension rolls within the first chamber at the entrance end

of the casing, core heating means disposed within the second casing chamber, means for introducing a core protecting gas into the third casing chamber, which gas emerges through the central wall aperture into said second and first chambers while contacting said core, a casting chamber having an axial apertured gland extending into said third casing chamber and having an inlet for the introduction of molten sheath



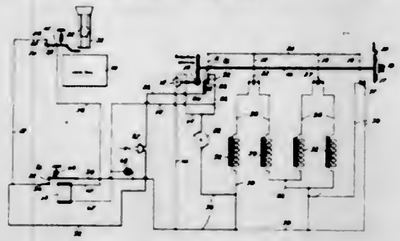
metal, heating means for said casting chamber, a casting mold having an entrance area projected into said casting chamber and having an exit area projected into a fifth casing chamber, a slotted casing surrounding said exit area of the mold, means for circulating a fluid cooling medium within said fifth casing chamber, and pull rolls acting in opposition to said tension rolls for advancing the core through the casing chambers.

2,543,937
RADIANT HEATING AND THERAPEUTIC CHAMBER
Julian L. Reynolds, Richmond, Va.
Application August 10, 1948, Serial No. 43,397
1 Claim. (Cl. 128—374)



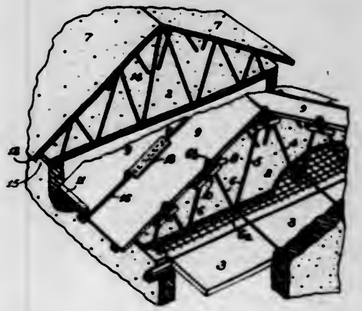
A therapeutic chamber comprising a box-like structure having movable closure means, each of at least two opposed walls of said structure comprising a sheet of metal at the inner surface thereof and having an inner surface exposed to the exterior of the chamber, said inner sheet surfaces being both heat radiating and heat reflective, said sheets of metal being electrically insulated from one another, means connected to said sheets for applying a high frequency alternating electrical potential between said sheets of metal whereby to internally heat a body in said chamber between said sheets of metal, electrical heating elements and electrical insulation on said heating elements and in direct contact with the outer surfaces of said sheets of metal, whereby said heating elements are arranged in direct heat conducting relation to at least one of said sheets of metal but electrically insulated therefrom.

2,543,938
COIN CONTROLLED ELECTRIC CIRCUIT
George Ripley, III, Bradenton, Fla.
Application April 8, 1948, Serial No. 19,851
5 Claims. (Cl. 161—1)



1. A coin controlled, electrically operated machine including a plurality of means for performing a cycle of relatively timed operations, a driving motor for said machine, a timing mechanism for selectively controlling the duration of the several operations, said mechanism including a switch normally open when the machine is at rest, cam operated switches for closing the circuits to the several operating means and a timing motor in parallel with the driving motor for actuating said timing means, a relay comprising a relay magnet in parallel with said motors and a relay switch in circuit between said motors and the source of electric supply, coin actuated means for energizing said relay magnet and closing the relay switch, and manually operable means associated with said timing mechanism to close said normally open switch to close the circuit to said relay magnet and for automatically opening said switch upon completion of the cycle of operations of the machine.

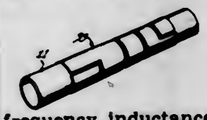
2,543,939
PROCESS FOR MOLDING BUILDING SLABS IN POSITION
Roy William Rumble, Pretoria, Transvaal, Union of South Africa
Application April 11, 1947, Serial No. 740,902
In the Union of South Africa April 16, 1946
2 Claims. (Cl. 25—154)



1. The process of forming a concrete roof slab in position, which consists in first moulding a concrete base in position; during such moulding

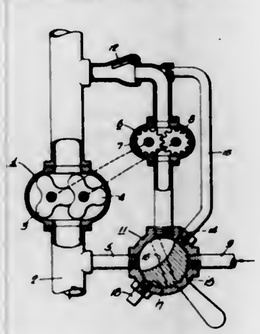
operation immovably embedding in the base so as to be permanently embedded therein the lower ends of a series of vertically extending rod-like elements suitable to support shuttering temporarily and the slab permanently and which are spaced apart in plan suitably for deck shuttering to be placed between them in position for the slab to be moulded on it and suitably also for the shuttering to be lowered from the moulding position; detachably attaching to the elements means for supporting the shuttering in the moulding position after the base has set, resting the shuttering on the supporting means and pouring the slab; and dismantling the erected shuttering by a procedure including displacement of the supporting means to allow the deck shuttering to be dropped from the slab leaving the elements in position supporting the slab.

2,543,940
HIGH-FREQUENCY STRAP-WOUND COILS
William F. Sands, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1948, Serial No. 29,628
7 Claims. (Cl. 175—359)



1. A high frequency inductance element consisting of a strap of conducting material of considerable width along the entire length of the strap and arranged in a flat helix with end turns of substantially right cylindrical shape adjacent respectively to two spaced planes at right angles to the longitudinal axis of said element, thereby to permit the formation of a uniform dense current sheet between said planes.

2,543,941
PROPORTIONING DEVICE
Richard B. Sargent, Erdenheim, Pa., assignor to Hale Fire Pump Co., Conshohocken, Pa., a corporation of Pennsylvania
Application March 6, 1946, Serial No. 652,366
16 Claims. (Cl. 169—15)



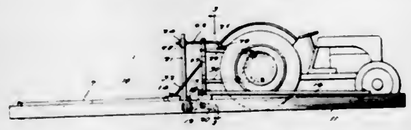
1. In combination, a conduit for fluid under pressure, a positive displacement fluid motor in said conduit, a by-pass duct connected at both ends with said conduit, a positive displacement pump in said by-pass, a duct connected to a source of other fluid and extending to the intake side of the pump, valve means for controlling the connections between the intake end of the by-pass and the conduit and between the said duct and the pump, whereby the conduit and the said source may be connected selectively and individually to the intake end of the pump, and means for synchronizing said motor and pump.

2,543,942
POWER-OPERATED NAIL DRIVER
Ernest H. Shaff, Spring Lake, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Application November 8, 1947, Serial No. 784,872
4 Claims. (Cl. 1—47)



1. A power operated hammer comprising in combination, a cylinder having a hammer member reciprocable therein, a barrel secured to and projecting from the forward end of said cylinder, a nail guide mounted for limited sliding movement in the barrel, means to releasably hold a nail in the nail guide, a nail set reciprocable in said barrel having a driver portion extending into said nail guide to engage the head of the nail and an anvil portion extending into said cylinder to be struck by said hammer member, and spring means operable between said nail set and said nail guide to urge the latter outwardly.

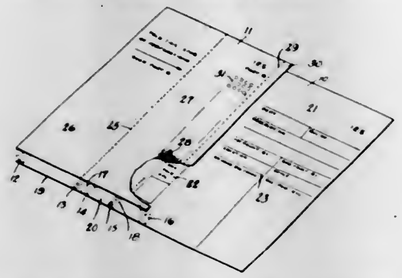
2,543,943
LAND LEVELER
Christian S. Skeem, Buhl, Idaho
Application October 11, 1946, Serial No. 702,760
2 Claims. (Cl. 37—150)



1. The combination with a tractor including a power lift, of a land leveler comprising a frame including a pair of longitudinally-extending side bars for normally resting upon the surface of the ground and spaced from each other to admit the tractor adjacent the middle of the frame, a leveling blade positioned transversely of said side bars at substantially their mid-length and mounted for limited vertical movement on the latter, a substantially vertical standard having one end secured to said blade, a substantially vertical yoke arranged intermediate said standard and the rear end of the tractor and carried by said side bars,

means for operatively connecting said yoke to the power lift of the tractor, a collar pivotally supported in said yoke, a longitudinally-extending rod rotatably mounted and threadedly engaged in said collar and having one end operatively connected to the other end of said standard, and means on the other end of said rod for rotating the latter.

2,543,944
INVENTORY MANIFOLDING ASSEMBLY
Kenneth R. St. John, Minneapolis, Minn., assignor to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application June 4, 1949, Serial No. 97,244
4 Claims. (Cl. 282—23)



1. In an inventory manifolding assembly for checking entries of inventory counts against one another, in combination, a single integral record sheet having imprinted thereon three forms having appropriately designated spaces for receiving said entries, namely a record form located upon the upper face of the right hand portion of said sheet, a copy form located upon the lower face of the left hand portion of said sheet and a second record form located upon the upper face of an intermediate portion of said sheet adjacent said first named record form, said copy form and said second record form being identical, and a transfer sheet overlying and concealing said second record form from view, said transfer sheet being secured to said record sheet adjacent the opposite longitudinal edges of said second record form, said record sheet having a weakened severance line upon which it is foldable to bring said copy form into overlying position with respect to said transfer sheet and said second record form so that entries of inventory counts made upon said copy form will also be made upon said second record form through the medium of said transfer sheet, entries of inventory counts thus made upon said second record form being concealed from the view of the person making entries upon said first named record form, removal of said transfer sheet rendering visible side by side the entries of inventory counts made upon both record forms for comparison purposes.

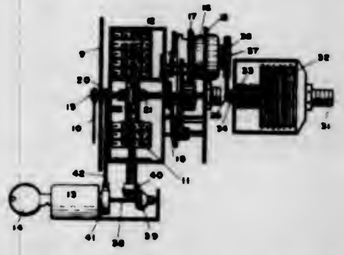
2,543,945
ADJUSTABLE PIPE AND CASING RETHREADER AND CLEANER
Preston D. Taylor, Roswell, N. Mex.
Application September 11, 1946, Serial No. 696,227
2 Claims. (Cl. 10—1)

1. A casing re-threading tool comprising a clamping block having a handle opening therethrough and having a bolt hole therein spaced from and parallel to the said handle opening, spaced transversely positioned clamping rollers rotatively mounted in the end of the clamping block opposite to that in which the handle opening is positioned, a guide block spaced from the clamping block and also having a handle opening and a bolt hole therethrough with the bolt hole therein threaded and with the bolt hole and handle opening aligned with the bolt hole and handle opening of the clamping block, respectively, laterally disposed thread guide rollers having V-shaped peripheral edges in the end of the guide block opposite to that in which the handle opening is positioned and in the same plane as that of the rollers of the clamping block, the axes



of the thread guide rollers being parallel to that of the rollers of the clamping block, a thread cutting tool carried by the guide block and also in the same plane as that of the guide block and clamping rollers, the cutting end of said thread cutting tool extending into the area between the clamping and guide rollers, an extended handle mounted in the handle openings of the blocks and positioned in a plane parallel to and spaced from the plane through the guide and clamping rollers, and an adjusting bolt extended through the bolt hole of the clamping block and threaded in the said bolt hole of the guide block.

2,543,946
ELAPSED TIME RECORDER
Wallis M. Tener, Richmond, Va.
Application December 16, 1947, Serial No. 792,034
6 Claims. (Cl. 161—15)

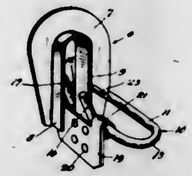


1. A time recorder for operating engines having a pressure oil system comprising a clock mechanism, means operated through the oil pressure line for releasing the balance wheel of the clock mechanism starting the operation of said mechanism, means connected to said oil pressure line for automatically winding said clock mechanism, a recording hand and drums for indicating the elapsed time and a key operated means for resetting the recording mechanism to zero.

2,543,947
GRIPPING AND LIFTING DEVICE
Person A. Thelin, Chicago, Ill.
Application April 1, 1947, Serial No. 738,685
4 Claims. (Cl. 294—104)

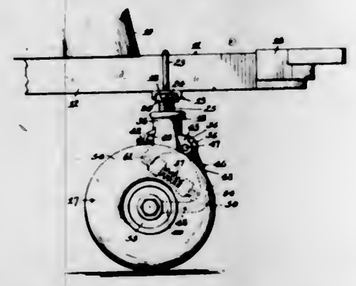
3. A lifting device comprising a U-shaped gripping yoke having parallel opposed flat inner surfaces and provided with outwardly extending heavy reinforcing flanges to prevent spreading

of said yoke when gripping a flat object between its opposed surfaces, a flat plate secured to one leg of said yoke, upwardly extending parts of such plate being curved back upon themselves to provide bearings on each side of a flange, a heavy rod bent into such shape as to provide a lifting handle, two portions thereof being substantially parallel with said handle portion, and two gripping-fingers, said parallel portions passing through the bearings provided on said plate, and



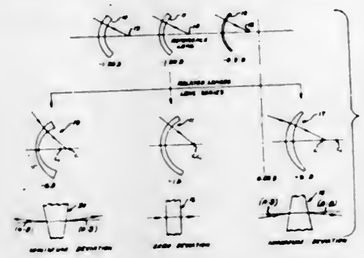
a stop abuttable by said fingers and positioned on the same side of said flanges as that on which the plate is secured to prevent the lifting handle from assuming a downwardly depending position when the yoke is disengaged from the article intended to be gripped thereby, so that when the yoke is slipped over the article to be lifted the lifting handle will extend laterally from the side of the yoke for ready grasping by an operator using the device.

2,543,948
SPRING CASTER
Edward L. Wiedman, Tonawanda, N. Y.
Application January 16, 1946, Serial No. 641,483
2 Claims. (Cl. 16—44)



2. A device of the kind described, comprising a supporting head having its axis vertically disposed and provided with a rearwardly-and-downwardly directed pivot lug extended beneath its lower end in rear of its axis and a forwardly projecting stop lug forward of its axis, a substantially V-shaped member disposed to provide an upwardly-and-rearwardly extending arm whose outer end is pivotally secured to said supporting head forward of its axis and a substantially horizontal rearwardly projecting arm, said arms forming a rearwardly-facing bight on said V-shaped member, a stop lug at the pivoted outer end of said upwardly-and-rearwardly extending arm, a second stop lug on said supporting head normally in contact with said first-mentioned stop lug, an axle carried by the outer end of said substantially horizontal rearwardly projecting arm, a traction wheel mounted on said axle, and a cushioning device between the bight of said substantially V-shaped member and said rearwardly-and-downwardly directed pivot lug, said cushioning device including a spiral spring and cup-like members receiving opposite ends of said spring and pivotally connected to said rearwardly-and-downwardly directed pivot lug and to said substantially V-shaped member at the bight thereof.

2,543,949
OPHTHALMIC LENS
George Bates Wootten, Sudbury, Ontario, Canada
Application November 4, 1949, Serial No. 125,532
13 Claims. (Cl. 88—54)

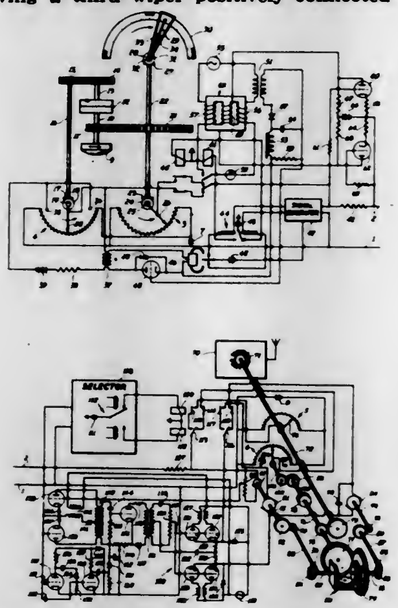


1. A related ophthalmic lens of a lens series defined by a power range extending from about minus 10 dioptres to plus 10 dioptres, wherein all lenses of said series have a rear surface vertex distance from the centre of ocular rotation of the wearer corresponding to a normal wearing distance of a value between 24 and 27 millimeters which is constant for all lenses of said series, said series including a reference lens of a power of about minus 1 dioptre wherein the rear surface radius is equal to said rear surface vertex distance and the front surface thereof is concentric with the rear surface, the vertex thickness and rear surface curvature of each lens of said series down to about minus 4.5 dioptres being formed to provide minimal deviation of a sight ray passing through any zone of the lens, the lenses of the series down to about minus 4.5 dioptres having a constant front surface curvature of a radius greater than the distance of the rear surface vertex from the centre of ocular rotation, the lenses of said series of more minus power than about minus 4.5 having a constant vertex thickness and having both front and rear surface curvatures formed to provide minimal deviation of any sight ray.

2,543,950
COARSE-FINE ELECTRIC MOTOR CONTROL SYSTEM
Michel N. Yardeny and Adolph Razdowitz, New York, N. Y.; said Razdowitz assignor to said Yardeny
Application May 29, 1948, Serial No. 30,006
15 Claims. (Cl. 318—29)

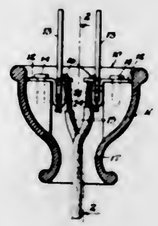
6. In a remote control system, in combination, a control station, a remote station, a transmission channel interconnecting said two stations, an actuating member at the control station, a first control potentiometer at the control station, said potentiometer having a first wiper positively connected with said actuating member, a second control potentiometer at the control station, said second potentiometer having a second wiper frictionally coupled with said actuating member, relay means operable to connect either of said wipers to said transmission channel, cir-

cuit means connecting a terminal of each of said potentiometers to said transmission channel, stop means engageable by the wiper of said second potentiometer in either of two limiting positions, switch means operable upon engagement of said stop means by the second wiper to actuate said relay means so as to disconnect said second wiper from said transmission channel while connecting said channel to the first wiper, said switch means being further operable upon disengagement of said second wiper from said stop means to actuate said relay means so as to disconnect said first wiper from said channel while connecting said channel to said second wiper, impulse generator means operable upon connection of said first or second wiper to said channel to send a first or second signal, respectively, to said remote station, a first follower potentiometer at said remote station, a second follower potentiometer at said remote station, a load at said remote station, said first follower potentiometer having a third wiper positively connected with



said load, said second potentiometer having a fourth wiper frictionally coupled with said load, relay means at said remote station operable to connect either of the last-mentioned wipers to said transmission channel, circuit means connecting a terminal of each of said follower potentiometers to said channel, a control impedance connected to said channel so as to register a voltage drop unless the setting of a follower potentiometer connected across said channel bears a predetermined relationship to the setting of a control potentiometer simultaneously connected across said channel, drive means connected with said load and adapted to displace the latter in response to a voltage drop across said control impedance, stop means adapted to arrest said fourth wiper in either of two limiting positions bearing a predetermined relationship to the limiting positions of said second wiper, and selector means arranged to actuate said relay means so as to connect either said third or said fourth wiper to said transmission channel in response to said first and second signal, respectively.

2,543,951
ELECTRIC CORD PLUG
Victor Aimé, West New York, N. J.
Application September 27, 1946, Serial No. 699,707
5 Claims. (Cl. 173—361)



5. An electrical plug comprising a shell of insulating material, a pair of stationary members arranged in spaced relation in said shell, each of said members including an attaching portion and a laterally extending contact portion integral with the attaching portion, fastening means securing the attaching portion to the shell, a pair of plug-in prong members each of which is L-shaped provided with two legs, there being one prong member for each stationary member, a pivot connecting each prong member with its related stationary member so that the prong member has pivotal movement on a transverse axis with respect to the longitudinal axis of the shell, said prong members being movable in planes substantially parallel, one leg of each prong member projecting exteriorly of said shell and movable into a normal position longitudinally thereof for insertion into a female plug member, said prongs moving in opposed directions when moving into said normal position, the other leg of each prong member being movable with a scissors action into a normal position adjacent its related laterally extending contact portion for clamping an electrical conductor therebetween.

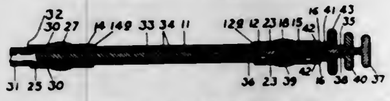
2,543,952
DIALLYL ETHER DICHLOROHYDRINS
Owen Clement Wentworth Allenby, McMasterville, Quebec, Canada, assignor to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada
No Drawing. Application March 5, 1948, Serial No. 13,334. In Canada August 8, 1947
1 Claim. (Cl. 260—615)

A process for the preparation of diallyl ether dichlorohydrins which comprises adding to a dispersion of diallyl ether monochlorohydrins in an aqueous solution of sulphuric acid having a sulphuric acid concentration of from 10% to 25% by weight an aqueous solution of sodium hypochlorite titrating from 2.7% to 6% as hypochlorous acid by weight, the molar ratio of sodium hypochlorite to diallyl ether monochlorohydrins being 1:1, at a temperature not in excess of 10° C., subsequently extracting the reaction mixture with a water-insoluble organic liquid which is a solvent for the resultant diallyl ether dichlorohydrins, and recovering said dichlorohydrins from said extract by evaporating said organic liquid.

2,543,953
SWEETENING HYDROCARBON MIXTURES
Elwood B. Backensto, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 21, 1947, Serial No. 787,483
13 Claims. (Cl. 196—29)

1. A method of producing a petroleum fraction negative in the "doctor test" from a sour petroleum fraction containing not more than about 0.02 weight per cent of mercaptan sulfur which comprises mixing a sour petroleum fraction containing not more than about 0.02 weight per cent mercaptan sulfur with a di-secondary butyl catechol in the presence of alkali metal hydroxide.

2,543,954
COMPRESSION BY-PASS AND WRENCH DEVICE
Merlin E. Barber, Decatur, Ill.
Application December 11, 1948, Serial No. 64,780
6 Claims. (Cl. 285—22)



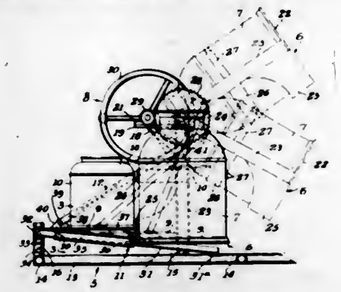
1. A replacement for gas service pipes and the like, the same including a unitary open-ended tubular by-pass fitting inserted in the old service pipe, said fitting having adjacent each end a surrounding holding and sealing gasket expansible radially and annularly outward into holding and sealing contact against the adjacent inner wall face of the service pipe, with means in the fitting as a structural part thereof for creating such expansion, said expansion-creating means being actuated for both the expanding effect and reversely thereof by a removable wrench device insertable for operation in said fitting.

2,543,955
STABLIZATION OF DDT SOLUTIONS AT LOW TEMPERATURES BY MEANS OF NITROCYCLOPARAFFINS
Loyd Q. Boyd, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 28, 1948, Serial No. 67,755
9 Claims. (Cl. 167—30)

1. An insecticidal composition containing about 0.03% to about 45%, by weight, of a chlorinated hydrocarbon selected from the class consisting of dichloro-diphenyl-trichloroethane, [bis (methoxy phenyl) trichloroethane] and dichloro - diphenyl - dichloroethane, a nitrocycloparaffin, and a normally liquid hydrocarbon solvent, said nitrocycloparaffin being used in amounts of from about 1% to about 75%, by weight, of the total composition, and said chlorinated hydrocarbon being in solution in said hydrocarbon solvent.

2,543,956
CONTAINER-HANDLING MACHINE FOR POURING FROM ONE CONTAINER INTO ANOTHER
Thomas Leon Buss, Lynwood, Calif.
Application August 15, 1949, Serial No. 110,403
9 Claims. (Cl. 214—1.1)

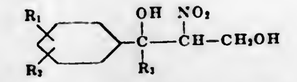
1. A machine of the character described comprising a pivotally-mounted carrier for a large container, a slidably-mounted platform for a small container, means to pivot the carrier in a direction away from the platform to tilt the large container thereon, and a connection between the



carrier and the platform to move the container on the latter toward the position vacated by the large container to receive the poured contents of said large container.

2,543,957
ORGANIC NITRO DIOL DERIVATIVES AND METAL SALTS THEREOF
Harry M. Crooks, Jr., Mildred C. Rebstock, John Controulis, and Quentin R. Bartz, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 12, 1949, Serial No. 76,172
12 Claims. (Cl. 260—500)

1. A compound of the class consisting of a nitro diol and metal salts thereof, said nitro diol having the formula,

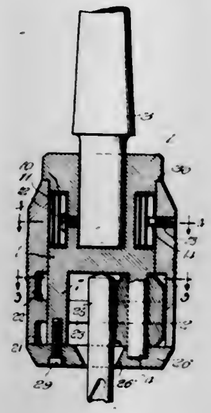


where R_1 and R_2 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy radicals and R_3 is a member of the class consisting of hydrogen and lower alkyl radicals.

2,543,958
AUTOMATIC DRILL CHUCK
Robert B. De Remer, Williamsport, Pa.
Application February 6, 1947, Serial No. 726,811
1 Claim. (Cl. 279—33)

A drill-holding chuck comprising an inner unit consisting of a block circular in cross section and formed with a circumferentially extending recess and at its lower end carrying a plurality of downwardly extending stub shafts spaced from each other circumferentially of the block and downwardly extending posts located between the stub shafts and spaced therefrom, a casing filling about said block and rotatable thereon, the block being formed above the recess with a shoulder against which the upper end of the casing abuts, said casing having its lower portion extending downwardly from the block and surrounding the posts and the stub shafts and formed internally with upper and lower recesses defining circumferentially extending aligned ribs having rounded ends spaced from each other and disposed substantially opposite the stub shafts radially of the block, said ribs bearing against transversely arcuate outer

side portions of the posts, jaws rotatably mounted about said stub shafts, said jaws having transversely arcuate inner side faces formed with gripping teeth and along their outer sides being formed with longitudinal lips tapered from opposite sides and fitting loosely into spaces between



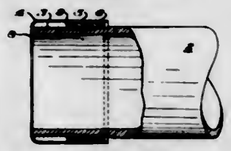
ends of said ribs for effecting movement of the jaws about the stub shafts when the casing is turned about the block, a coiled spring in the recess secured at its inner end to the block and at its outer end to the casing, and a cap secured to said posts and holding the casing and the jaws in place and formed with a central opening.

2,543,959
MAGNESIUM OXYCHLORIDE CEMENT MIX AND METHOD OF MAKING
William C. Eastin, Palo Alto, Calif., assignor to Food Machinery and Chemical Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1945, Serial No. 614,091
17 Claims. (Cl. 106—106)

1. The process of producing magnesia oxychloride cements which do not contract excessively during curing, from a magnesia derived by the calcination of magnesium hydroxide precipitated from a magnesium compound in an aqueous solution and which yields cements having prohibitive contracting tendencies when compounded with magnesium chloride solution and fillers comprising, mixing a small amount sufficient to inhibit excessive contraction of a water-soluble salt of a phosphoric acid having a lower proportion of combined molecules of water than orthophosphoric acid with magnesia having such property, with a filler and with magnesium chloride solution.

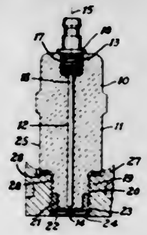
2,543,960
THREAD PROTECTOR
George P. Elmer, Monaca, Pa., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1947, Serial No. 729,730
11 Claims. (Cl. 138—96)

1. A thread protector comprising a body of relatively durable material having projection means adapted to engage between threads of a pipe to which the protector is applied and a liner of relatively deformable material lying against the body adapted to be interposed be-



tween the body and the pipe and through which the projection means extend.

2,543,961
SPARK PLUG CONSTRUCTION
Harold R. Feichter, Canton, Ohio, assignor to United States Quarry Tile Company, Canton, Ohio, a corporation of Delaware
Original application October 1, 1947, Serial No. 777,350, now Patent No. 2,478,259, dated August 9, 1949. Divided and this application February, 26, 1949, Serial No. 78,617
3 Claims. (Cl. 123—169)

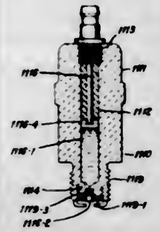


1. In spark plug construction, an insulator body, the insulator body having formed therein a well with an open upper end and the insulator body including a bottom wall extending across the lower end of the well, electrode material in the well, the insulator body including a lower end having formed thereon external threads adapted for being screwed into an internally threaded opening in the wall of a combustion chamber, and a metal ground electrode on the lower end of the insulator body adjacent the bottom wall of the well, the bottom wall of the well having one or more metal wires embedded therein and extending therethrough.

2,543,962
SPARK PLUG CONSTRUCTION
Harold R. Feichter, Canton, Ohio, assignor to United States Quarry Tile Company, Canton, Ohio, a corporation of Delaware
Original application October 1, 1947, Serial No. 777,350, now Patent No. 2,478,259, dated August 9, 1949. Divided and this application February 26, 1949, Serial No. 78,619
4 Claims. (Cl. 123—169)

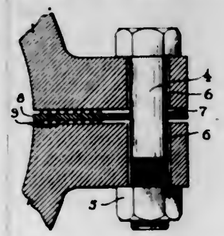
4. In spark plug construction, an insulator body having a bottom face and the insulator body having formed therein a well with an open upper end and the insulator body including a well bottom wall extending entirely across and closing the lower end of the well, the well bottom wall being spaced above the insulator body bottom face, a ground electrode adjacent the lower end of the insulator body, electrode material in the well, and the insulator body having formed

therein an internally threaded downwardly opening socket below the well bottom wall, and an ex-



ternally threaded intermediate electrode screwed in the socket.

2,543,963
GASKETED JOINT
Harry Gaffin, East Orange, N. J., assignor to The A. P. Smith Manufacturing Company, East Orange, N. J., a corporation of New Jersey
Application October 12, 1946, Serial No. 702,907
4 Claims. (Cl. 285—194)

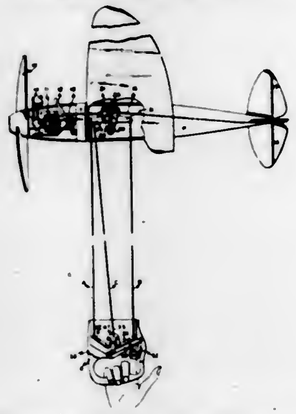


1. A gasketed joint comprising a flange, a member to be joined thereto, bolts for drawing said flange and member together, a gasket of lead or similar material between said flange and member, the said gasket having a serrated and crushable portion inwardly of said bolts and an outer bolt pressure-sustaining portion of less thickness than the average thickness of said serrated portion, whereby tightening the bolts first crushes the said inward portion of the gasket to form a seal and further tightening exerts pressure on the outer pressure-sustaining portion of the gasket.

2,543,964
MINERAL OIL COMPOSITIONS CONTAINING COPOLYMERS OF OLEFINS AND ESTERS OF ALPHA,BETA-UNSATURATED POLYBASIC ACIDS
John J. Giammaria, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 9, 1947, Serial No. 759,906
12 Claims. (Cl. 252—56)

1. A lubricant composition comprising a major proportion of a lubricating oil and a minor proportion, sufficient to substantially lower the pour point thereof, of a copolymer formed by reacting an aliphatic mono-olefin hydrocarbon having the double bond in the alpha position and having up to about 30 carbon atoms and an alkyl diester of an alpha, beta-unsaturated dicarboxylic acid in which the ester radicals are straight-chain and contain at least 14 carbon atoms and no more than about 20 carbon atoms per radical, in the proportions of 1 mol of the olefin to from about 0.1 to about 5 mols of the diester, at a temperature between about 75° F. and about 200° F. for a period of time between about fifteen minutes and about twenty hours and in the presence of a peroxide polymerization catalyst.

2,543,965
FLIGHT CONTROL FOR MODEL AIRPLANES
Joseph R. Hamilton, Baker, Oreg.
Application March 14, 1949, Serial No. 81,289
7 Claims. (Cl. 46—77)

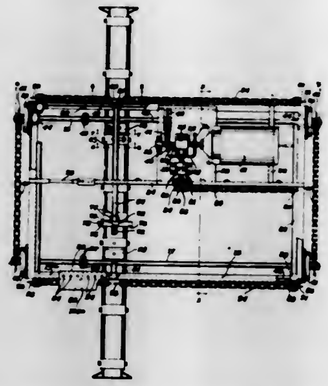


1. In a multiple control mechanism of the character described, a lever pivoted on a fulcrum mounting intermediate its ends, a control line attached to one end of said lever, a second lever pivotally mounted on the other end of said first mentioned lever and at a distance from said fulcrum equal to half the distance from said fulcrum to the point of attachment of said control line, a member operated by said first mentioned lever, means exerting a force to urge said member in one direction, said first mentioned lever, when a pull is exerted on said control line, exerting a force in opposition to the force of said means, the pivotal mounting of said second lever constituting the fulcrum point of said second lever and located midway between the ends of said second lever, control lines attached to said ends of said second lever at equal distances from said fulcrum point of said second lever for moving said second lever, and a member operated by pivotal movement of said second lever, whereby said first mentioned member and said second mentioned member can be selectively operated by movement of the respective control lines while an equalized pull is maintained on all three of said control lines.

2,543,966
ROAD SURFACE CHECKING AND GROOVING MACHINE
Francis O. Heltzel, Chicago, Ill.
Application March 6, 1946, Serial No. 652,445
6 Claims. (Cl. 94—45)

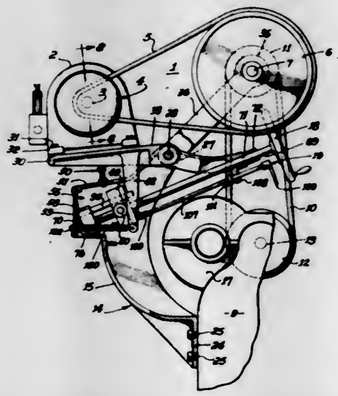
1. A road surface checking and grooving machine comprising a frame, wheels upon the frame for mounting the machine to travel longitudinally over a road, a checking and grooving screed upon the under side of the frame for contact with the surface of the road, said screed comprising a rigid checking channel and toothed grooving plates, a rocker shaft journalled in the frame, oppositely disposed arms on the rocker shaft,

means pivotally suspending the checking channel on one of said arms, means pivotally suspending the grooving plates on the other arm, means for rocking the shaft for simultaneously moving the



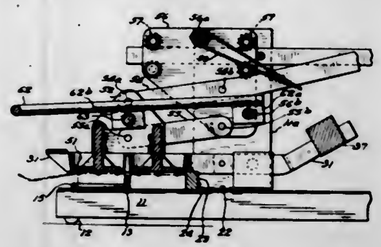
checking channel and the grooving plates vertically in opposite directions throughout their entire length, and means for moving the screed transversely relative to the frame.

2,543,967
VARIABLE-SPEED DRIVE
Don Heyer, Los Angeles, Calif.
Application December 17, 1943, Serial No. 514,638
16 Claims. (Cl. 74—230.17)



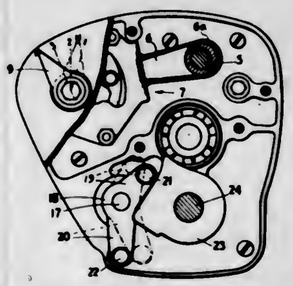
1. In a variable ratio transmission including a pair of spaced parallel shafts, pulley structures respectively on said shafts operatively connected by a belt, at least one of said pulley structures having a variable effective diameter, said diameter being a function of the center distance between said shafts: means forming a pivotal support, bracket members respectively rotatably mounting said shafts spaced radially from said support, and supported on said pivotal support for independent angular movement thereabout, and means fixing said members in adjusted positions about said pivot whereby to adjust the center distance between the shafts and determine the ratio of the transmission.

2,543,968
PACKAGE HANDLING AND TREATING MACHINE
Harold A. Heyward, Chicago, Ill., assignor to Pin Money Exchange, Incorporated, Chicago, Ill., a corporation of Delaware
Application May 4, 1949, Serial No. 91,379
22 Claims. (Cl. 216—9)



1. In a machine for facilitating and expediting the performance of an operation on individual packages or other objects which are contained in an upper and lower tier within a carton and are to be returned to such carton after the performance of such an operation; means for supporting such a carton in a predetermined position with respect to said machine, and a movable ledge for receiving such upper tier, said ledge being movable between a raised position, in which it is adapted to receive and discharge such upper tier with a simple sliding motion of such packages, and a lowered position, in which such upper tier is supported at the same level as the lower tier.

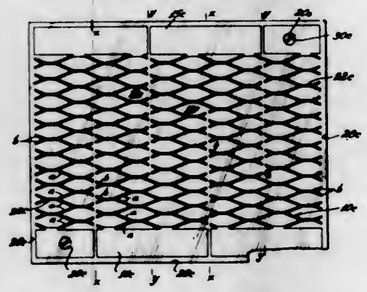
2,543,969
NEUTRAL SELECTING MECHANISM FOR CHANGE-SPEED GEAR BOXES
William H. Hill, Birmingham, England
Application February 2, 1949, Serial No. 74,123
In Great Britain February 6, 1948
7 Claims. (Cl. 74—474)



1. For a change speed gear box wherein a gear is selected by the partial rotation of a gear-selecting shaft, a neutral selecting mechanism comprising a crank plate journalled within the said box and having two lateral projections, the said projections being located on opposite sides of the axis of the said plate, means connecting said plate to said gear-selecting shaft so that rotary motion of the one is transmitted to the other, an auxiliary shaft journalled in and projecting to the outside of said box, an actuating lever operatively connected to the said auxiliary shaft externally of said box, and a cam plate secured to said auxiliary shaft internally of the box, the said cam plate

being so located relatively to said projections that rotation of the auxiliary shaft brings a part of said cam plate into driving impact with one or other of said projections unless the gear selecting shaft and the crank plate are in their neutral positions.

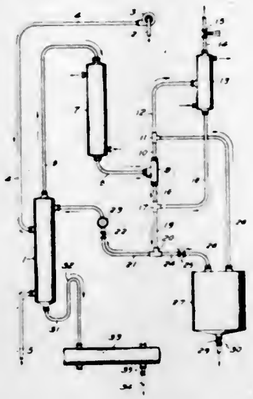
2,543,970
PANEL CONSTRUCTION AND METHOD OF FORMING THE SAME
James Horsfall, New York, Robert M. Felsenthal, New Rochelle, and Audrey J. Bowden, New York, N. Y., assignors to Exmet Electrical Corporation, New York, N. Y., a corporation of New York
Application August 3, 1949, Serial No. 108,270
4 Claims. (Cl. 201—69)



1. The method of forming a heat radiating panel which comprises embedding a resistance unit having a medial expanded region and terminal selvage regions on opposite sides thereof in a sheet of thermoplastic material having an overall thickness only slightly greater than the overall thickness of the expanded region of the resistance unit, providing a series of staggered cuts in the thus assembled panel which extend inwardly from opposite ends of the panel, each of said cuts passing completely through one selvage region, across the expanded region and to the inner edge of the oppositely disposed selvage region, thus providing a tortuous path for the flow of current through the panel in a generally longitudinal direction.

2,543,971
APPARATUS AND PROCESS FOR DISTILLATION OF HCN
Alfred G. Houpt, Stamford, Conn., and Ludwig J. Christmann, Yonkers, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 24, 1947, Serial No. 743,594
3 Claims. (Cl. 202—69)

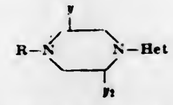
2. In a process of recovering liquid HCN from dilute aqueous liquors thereof by stripping the HCN from said liquors and condensing the HCN, the improvement which comprises, steam stripping under increased pressure; subjecting the resultant vapors to condensation under pressure using ground water as coolant, separating the condensate from any non-condensed vapors; again subjecting the non-condensed vapors to condensation under pressure; separating the resultant condensate from any residual gases; combining the condensates; returning part of the combined condensate as reflux to said steam stripping operation, collecting the remainder of said combined condensate as product, and releasing the pressure on said condensate product; said operations being carried out in aluminum



metal apparatus, the pressures ranging from 10–30 pounds per square inch above atmospheric.

2,543,972
1,4-DISUBSTITUTED PIPERAZINES
Martin Everett Hultquist, Bound Brook, and Kenneth Leon Howard, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 12, 1947, Serial No. 785,526
5 Claims. (Cl. 260—268)

1. 1,4-disubstituted piperazine of the type formula



and acid salts thereof in which y_1 or y_2 are selected from the group consisting of hydrogen, methyl and ethyl, R— is a radical selected from the group consisting of the alkyl and hydroxyalkyl radicals of 1–6 carbon atoms, the cyclohexyl, phenyl, tolyl, naphthyl and benzyl radicals and the halogen substituted phenyl and tolyl radicals, and —Het is selected from the group consisting of the five and six membered nitrogen-containing heterocyclic radicals in which nitrogen is the only hetero atom and thiazyl, the bond from the piperazine being to a

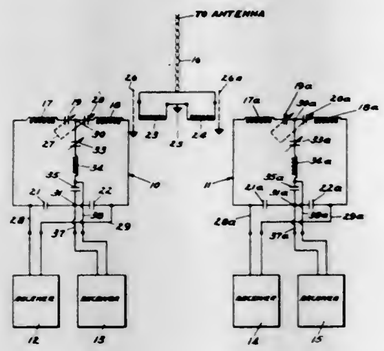


position in the heterocyclic ring.

2,543,973
PLURAL-FREQUENCY COUPLING UNIT
Evan A. Jensen, Westchester, Ill., assignor to United Air Lines, Inc., Chicago, Ill., a corporation of Delaware
Application June 27, 1946, Serial No. 679,835
6 Claims. (Cl. 178—44)

1. A plural-frequency coupling unit for matching a plurality of differently tuned output circuits to a single input circuit, comprising a first

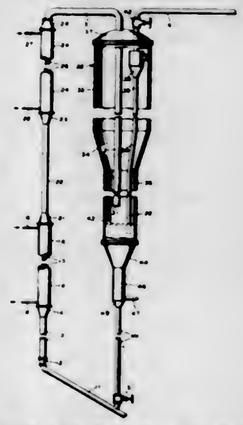
loop including two joined portions with a pair of connection points at their junctions, inductance and capacitance means in each of said loop portions, said inductance means in one of said portions being coupled to said input circuit, means for adjusting the capacitance means in each portion of said loop so that the capacity reactance in each portion at a first frequency substantially equals the inductive reactance in the corresponding portion at said first frequency whereby said loop is resonant at said first frequency and the impedance between said connection points is



low at said first frequency, means coupling said loop to one of said output circuits to match said one output circuit to said input circuit at said first frequency, impedance means connected between said connection points and having a high impedance at said first frequency, said impedance means and said first loop forming a second loop coupled to said input circuit, said impedance means being adjustable to tune said second loop to resonance at a second frequency without disturbing the tuning of said first loop, and means coupling said second loop to another of said output circuits.

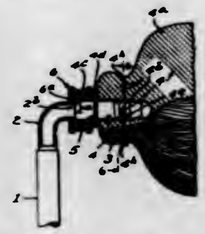
2,543,974
METHOD FOR SYNTHESIS OF ORGANIC COMPOUNDS
Joseph W. Jewell, Summit, and William B. Johnson, Far Hills, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application July 21, 1947, Serial No. 762,250
15 Claims. (Cl. 260—449.6)

1. A process for the hydrogenation of carbon monoxide which comprises continuously passing a gaseous mixture comprising hydrogen and carbon monoxide in a mol ratio of at least about 1:1 upward through a plurality of alternate uncooled and cooled reaction zones, continuously introducing a finely divided hydrogenation catalyst into said gaseous mixture, maintaining a temperature and pressure of reaction between about 300° F. and about 750° F. and between about atmospheric and about 500 pounds per square inch gage, maintaining a linear gas velocity in said reaction zones of at least 6 feet per second such that the heaviest catalyst particles continuously move in the direction of flow of the gases whereby the residence time of the catalyst in the reaction zones is relatively short, subsequently separating catalyst from a reaction effluent, stripping the separated catalyst of heavy organic compounds deposited thereon during the hydrogenation of carbon monoxide, and recycling stripped catalyst without further regeneration as



substantially the sole source of catalyst for said hydrogenation reaction.

2,543,975
CAR WASHER
Clifford D. Keely, West Englewood, N. J.
Application February 9, 1949, Serial No. 75,325
2 Claims. (Cl. 15—128)

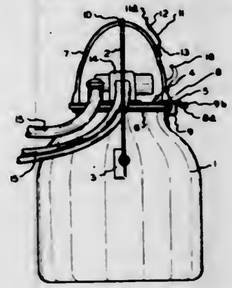


1. In a car washer the combination of a hollow handle and a wiping device together with devices for removably securing said handle to said wiping device which comprise a hollow element fixedly secured to the handle and having an enlarged cylindrical terminal portion affording a shoulder at the beginning of said portion, a nipple secured to the wiping device and provided with an enlarged threaded terminal portion and accommodating a washer at the beginning thereof, and a lock ring engaging said shoulder of said hollow element and said enlarged threaded portion of said nipple whereby when screwed home said lock ring binds said hollow element against said washer.

2,543,976
PROCESS OF PREPARING TABLETS OF SODIUM GENTISATE DIHYDRATE
Werner Maximillian Lauter, Glen Rock, N. J., and Marcel David Brucar, New York, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application August 7, 1948, Serial No. 43,154
5 Claims. (Cl. 167—82)

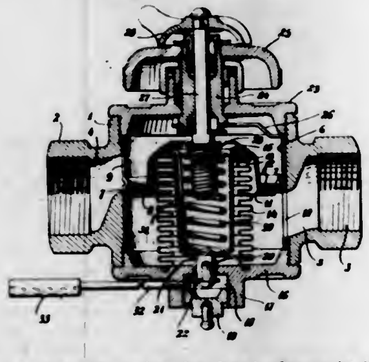
3. A process of preparing sodium gentisate dihydrate which comprises treating sodium gentisate pentahydrate with a solvent which forms an azeotrope with water.

2,543,977
BAIL TYPE CLOSURE FASTENING MEANS
Robert W. Lemm, Grass Lake, Mich.
Application July 2, 1947, Serial No. 758,571
5 Claims. (Cl. 220—56)



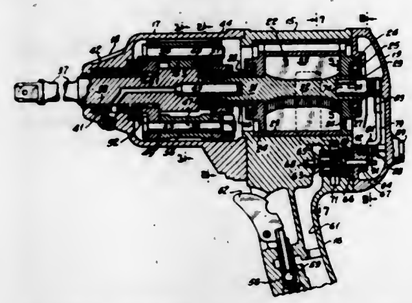
3. In combination, a pail or like vessel having an open pouring mouth end, a bail pivotally mounted on said vessel, a movable closure member mounted on said vessel in position to close said pouring mouth, a fixed upstanding handle on said closure member, said fixed handle and said bail being positioned with their planes substantially perpendicular with respect to each other and said bail being swingable over said fixed handle, and abutment means on said fixed handle disposed in the path of swinging movement of the bail in one direction relatively to the vessel, said abutment means being constituted by a hook on said handle eccentric to the arc of swinging movement of said bail and open to receive the bail therein when the latter is swung in the closure opening direction, whereby to constrain the closure member to move to open position by continued movement of the bail in said direction and its cammed engagement with the hook due to said eccentricity.

2,543,978
THERMOSTATIC REGULATOR VALVE
Peter Christian Matthiesen, Nordborg, Denmark
Application February 12, 1947, Serial No. 728,008
In Denmark June 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 26, 1965
1 Claim. (Cl. 236—99)



An automatic valve for heat elements in central heating plants, said valve comprising a housing, a rotary slide member divided by a horizontal wall into two compartments, the upper one of which communicates with an inlet opening in the housing, and the lower one of which communicates with an outlet opening in the housing, a valve member comprising a heat responsive element tending to close said valve and a tensioning spring to open the valve, a cup-shaped member having an outwardly and downwardly extending flange, adapted to cooperate with said horizontal wall, said cup-shaped member being positioned in the interior of said heat responsive element, said tensioning spring being positioned in the interior of said cup-shaped member, a hand operated spindle abutting the said tensioning spring, a stem fixed to the rotary slide member having a central bore, said spindle being positioned in the bore of said stem.

2,543,979
IMPACT WRENCH TORQUE CONTROL
Spencer B. Maurer, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1946, Serial No. 644,501
18 Claims. (Cl. 192—150)

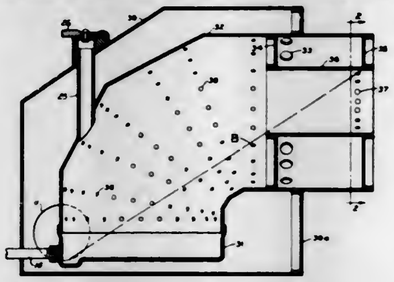


1. A power operated impact wrench comprising a rotary motor, a torsionally resilient tool head driven thereby with a succession of rotational hammer blows, energy measuring means actuated in response to the rebound energy delivered by the tool head for measuring the force of the hammer blow, and automatic means for cutting off the supply of power to the motor said energy measuring means operative upon the development of a predetermined force of blow to initiate actuation of said automatic means whereby the supply of power to the motor is cut off.

2,543,980
VAPORIZING TYPE LIQUID FUEL BURNER
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application February 15, 1947, Serial No. 728,848
4 Claims. (Cl. 158—91)

1. A burner of the vaporizing type comprising a horizontal bottom wall forming a fuel receptacle, a substantially unobstructed tubular side wall connected thereto and extending upwardly and laterally therefrom, said side wall having a plurality of air inlet openings therein and located throughout said tubular side wall, an end wall connected to said side wall remote from said bottom wall and having a relatively large discharge opening therein, an elongated horizontal tube having its inner end in said discharge opening and connected to said end wall, said horizontal tube extending from said end wall in a direction away from said bottom wall, the outlet end of said horizontal tube being located such that any line passing through the said outlet end of said

horizontal tube and any point on substantially the entire surface of the bottom wall of said fuel receptacle will intersect the bottom of said hori-



zontal tube whereby the said bottom wall is shielded from the direct radiant heat of the flame at or beyond said outlet end.

2,543,981

METHOD OF MAKING AN ARTIFICIAL FLAME LOG ASSEMBLY

Philip Munao and Carmelo C. Munao, Brooklyn, N. Y.

Original application May 15, 1946, Serial No. 670,005. Divided and this application August 6, 1948, Serial No. 42,885

6 Claims. (Cl. 41—26)



1. A method of making an artificial flame log assembly, which consists in arranging a plurality of logs pyramid fashion, leaving a space between the adjacent sides of the lowermost logs for a source of light, applying a synthetic resin material to the logs in a liquid or semi-liquid state, inverting the logs and allowing the synthetic resin material to drip therefrom while solidifying to form flame tips, and coloring the surface of the solidified synthetic resin material.

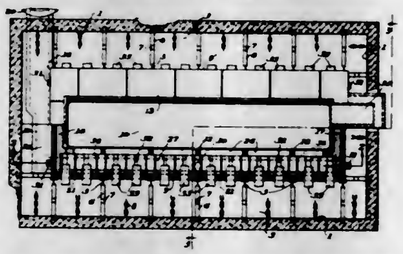
2,543,982

KETTLE FURNACE

Oscar R. Olson, Pittsburgh, Pa.

Application January 20, 1950, Serial No. 139,671

3 Claims. (Cl. 263—11)



1. A kettle furnace comprising a foundation, an open top tank supported on the foundation, furnace end walls supported on the foundation and extending laterally beyond both sides of the tank, furnace side walls supported on the foundation and connecting the end walls but spaced from the sides of said tank, a roof closing between the walls and the rim of said tank, a bridge wall on each side of said tank spaced from the roof and connecting the end walls to longitudinally divide the space between the furnace side walls and the tank to form a connected secondary combustion chamber and a downtake adjacent the tank, upper and lower slabs connecting each bridge wall and the adjacent furnace side wall to form a primary combustion chamber under the secondary combustion chamber and a flue therebelow, a stack connected to one end of each flue, a burner connected to one end of each primary combustion chamber for discharging a slow burning fuel therein, a series of graduated openings through each bridge wall from each flue to its respective downtakes which openings are smaller in size adjacent the stack end of said flue, and a series of graduated ports from each primary combustion chamber to its respective secondary combustion chamber which ports are larger in size adjacent the burner.

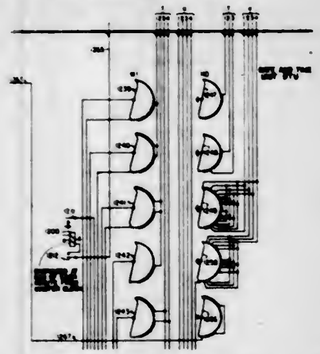
2,543,983

CALENDAR CLOCK MECHANISM

John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 18, 1942, Serial No. 447,500, now Patent No. 2,445,000, dated July 13, 1948, which is a division of application Serial No. 278,728, June 12, 1939, now Patent No. 2,373,908, dated April 17, 1945. Divided and this application November 28, 1947, Serial No. 788,620. In Great Britain June 14, 1938

13 Claims. (Cl. 58—24)



1. In a signaling system, a clock, a fractional hour register operable step-by-step in response to impulses transmitted by said clock, a register for registering the units digits of the hours of the day operable step-by-step at the end of each hour, a register for registering the tens digits of the hours of a day operable step-by-step at the end of the ninth, nineteenth and twenty-fourth hours of each day, a register for registering the units digits of the days of each month operable step-by-step at the end of each day, a register for registering the tens digits of the days of each month operable step-by-step at the end of the ninth and nineteenth days of each month and at the end of the twenty-ninth day or at the end of each month, a register for registering the months of the year and means controlled jointly by the setting of the month, day-tens and day-units registers for determining whether said month register shall be advanced at the elapse of twenty-eight, thirty or thirty-one days.

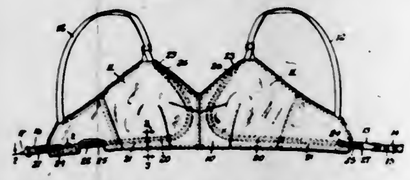
2,543,984

BRASSIÈRE

Isidore Panes, New York, N. Y.

Application December 10, 1947, Serial No. 790,885

3 Claims. (Cl. 2—42)



1. A garment including a body band having breast pockets, means including elastic portions on the ends of the band for connecting said ends thereby retaining the band looped around the body of the wearer, tunnels formed on the band extending from the tops of the pockets down around the pockets near the middle of the band and then laterally along the lower edge of the band, and draw members arranged for movement in the tunnels, respectively, and having their upper ends connected with the band at the upper ends of the tunnels and their lower ends passing out of the tunnels and connected with said elastic portions for spreading apart the breasts of the wearer of the garment when the band is retained looped as stated.

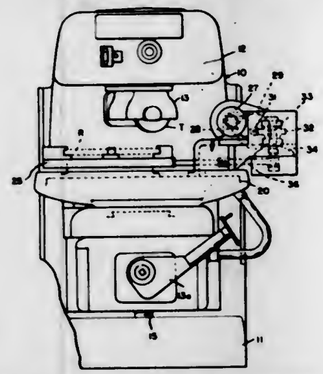
2,543,985

METHOD AND APPARATUS FOR FINISHING RACK SECTIONS

Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application October 6, 1947, Serial No. 778,089

8 Claims. (Cl. 90—1.6)



1. The method of finishing the teeth of a rack section which comprises providing a rack with toothed guide means extending beyond the ends of said rack, the teeth of said means being in endwise alignment with the teeth of said rack, providing a rotary gear-like tool in position to mesh with the teeth of both said rack and said guide means, and rapidly reciprocating said rack and guide means as a unit longitudinally of said rack between limiting positions in which said tool has passed out of mesh with said rack but remains in mesh with said guide means.

3. A rack finishing machine comprising a frame, a tool support including means for mounting a gear-like tool for rotation about its axis, means for angularly adjusting said support about an axis perpendicular to the axis of rotation of the tool, a ram reciprocably mounted on said frame for movement in a plane parallel to the axis of rotation of tool and perpendicular to the axis of adjustment of said tool support, means on said ram for mounting a rack section in meshed engagement with said tool, said rack mounting means including toothed guide means extending beyond the ends of a rack carried thereby, its teeth being in endwise alignment with the teeth of a rack carried thereby, said guide means remaining in meshed contact with said tool at the ends of stroke when said tool has passed out of mesh with said rack, and means for effecting repeated back and forth reciprocation of said ram.

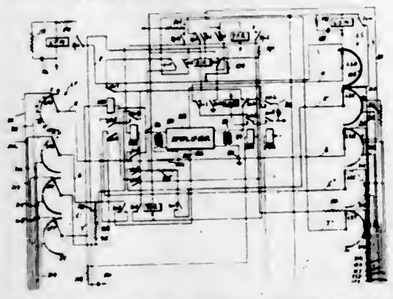
2,543,986

TWO-WAY COMMUNICATION SYSTEM

Louis Prahm, New York, N. Y.

Application July 9, 1948, Serial No. 37,789

13 Claims. (Cl. 179—18)



1. A communication system comprising a plurality of stations, an exchange common to all of said stations, a key at each station having three positions including a normal, a listening and a talking position, electro-acoustic transducer means at each station, line connecting means at said exchange, switch means operable in one of the two last mentioned positions of said key of any one station to seize said line connecting means, signaling means at each station for controlling said seized line connecting means to establish a connection between a calling station and a desired station, amplifier means at said exchange, circuit means operative in the listening position of said key at said calling station and in the normal position of said key at said desired station for connecting the output and the input of said amplifier means to said transducer means at said calling station and said desired station, respectively, whereby a talking circuit for conversation from said desired station to said calling station is established, and key-controlled relay means at the exchange operative in the talking positions of said key at said calling station and in the normal position of said key at said desired station for connecting the input and the output of said amplifier means to said transducer means at said calling station and at said desired station, respectively, whereby a talking circuit for conversation from said calling station to said desired station is established, said circuit means comprising a first relay connected to be energized in both the listening and the talking positions of said key at said

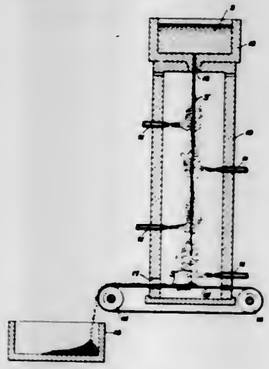
calling station, said key-controlled relay means comprising a second relay connected in parallel with said first relay, said circuit means further including a resistor connected in series with both of said relays and of such magnitude as to prevent operation of said second relay in series therewith, said key being arranged to short-circuit said resistor in one of said two last-mentioned positions whereby said second relay will be energized.

2,543,987

METHOD OF PRODUCING POROUS, LIGHT-WEIGHT, BURNED ARGILLACEOUS MATERIAL

William S. Ramsay, Canton, Ohio, assignor, by mesne assignments, to Stark Ceramics, Inc., Canton, Ohio, a corporation of Ohio

Application August 23, 1947, Serial No. 770,266
23 Claims. (Cl. 106—40)



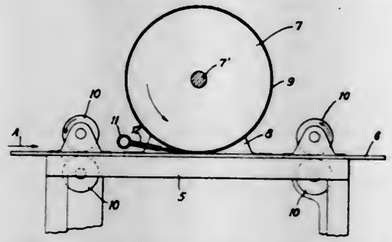
1. The method of producing an expanded, porous, light-weight burned argillaceous material suitable for use as an aggregate and the like, which comprises mixing a raw argillaceous material with water to form a slurry, and dropping the slurry in a thin free falling stream vertically through a furnace at a temperature sufficient to immediately produce expanded, porous, light-weight lumps of burned argillaceous material.

2,543,988

AIR CONTROL FOR SANDING MACHINES

Joseph J. Robinson, Jr., and Howard Max Wassem, Dover, Ohio, assignors to Marsh Wall Products, Incorporated, Dover, Ohio, a corporation of Ohio

Application January 14, 1949, Serial No. 70,828
2 Claims. (Cl. 51—281)



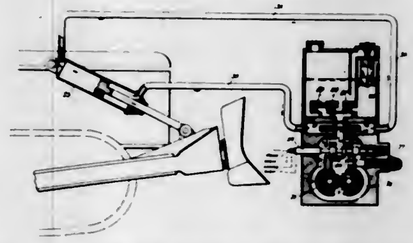
1. The method of controlling the depth of cut in a sanding machine having a moving abrasive band for sanding the work, which consists in directing a blast of air between the band and the work at the point of contact therebetween, whereby the compressed air forms a thin cushion between the abrasive sheet and the work tending to raise the abrasive sheet off of the surface of the work and regulating the pressure of the air blast to control the depth of cut.

2,543,989

HYDRAULIC SYSTEM FOR OPERATING HYDRAULIC CYLINDERS AND PISTONS

Harvey W. Rockwell, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware

Application February 28, 1945, Serial No. 580,121
21 Claims. (Cl. 60—52)



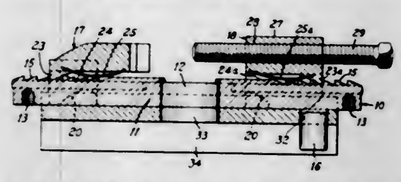
12. Fluid pressure supply apparatus for operating a hydraulic motor having a pair of fluid ports, said apparatus comprising means for supplying fluid under pressure to said motor, a valve controlling the direction of fluid supply and operable to hold position in which the flow of fluid between said pressure supply means and said hydraulic motor is prevented, means normally retained in closed position but adapted automatically to open under predetermined operating conditions to by-pass the fluid around the pressure supply means and permit it to flow directly from one fluid port of said hydraulic motor to the other, and a fluid reservoir having valve means communicating said reservoir with said by-pass means on the motor side of said control valve, said by-pass means and said valve means providing pressure controlled direct connection between said reservoir and each fluid port of said motor with the control valve in hold position.

2,543,990

COMBINATION LATHE DOG AND VISE

Leroy Royer, Louisville, Ohio, assignor, by mesne assignments, to Donald F. Arbuckle, Canton, Ohio

Application January 6, 1948, Serial No. 780
3 Claims. (Cl. 82—41)



1. A lathe dog comprising a bar having an annulus at its center, rack teeth upon opposite end portions of the bar, a pair of work holding jaws slidably mounted upon opposite end portions of the bar, a tooth upon each jaw for engagement with the respective rack teeth on the bar, a spring in each jaw for normally holding said tooth thereon in engagement with the rack teeth, rockers on each jaw engaging the bar for rocking the tooth out of engagement with the rack teeth, and an angular lug near one end of the bar.

2,543,991

SPRING FORK MECHANISM

Henry A. Schuricht, Pontiac, Mich., assignor to Whizzer Motor Company, Pontiac, Mich., a corporation of Delaware

Application June 5, 1948, Serial No. 31,307
1 Claim. (Cl. 280—276)



In a bicycle, the combination of a frame having a cylindrical tube providing a steering post housing, a cylindrical tube providing a steering post mounted in said housing, a dished plate welded beneath the housing to the bottom of said post and providing a lower crosshead, a second dished plate above the housing providing an upper crosshead, said housing having radial shoulders adjacent each end, upper and lower ball bearing devices each having an outer race engaging a surface of the crosshead and an inner race engaging one of said shoulders of the housing, said post being rotatably mounted on the bearing devices, the upper end of said post extending above the upper crosshead and being threaded, a threaded member on the upper end of the post and shouldering on said upper crosshead to clamp the crossheads and housing together, said lower crosshead having a pair of laterally spaced apertures spaced forwardly of said post, said upper crosshead having a pair of apertures longitudinally aligned with the apertures in the lower crosshead and spaced forwardly of said post, a pair of cylindrical tubes extending through the apertures in the crossheads and welded to said lower crosshead, said pair of tubes extending a substantial distance below the lower crosshead and for a slight distance above the upper crosshead and being exteriorly threaded above and for a short distance below said upper crosshead, threaded members on the threaded upper ends of the housings on opposite sides of the upper crosshead serving to clamp the housings to the upper crosshead, a pair of cylindrical tubes slidably extending through said pair of tubes that are clamped to the upper crosshead, the lower ends of said slidable tubes being adapted to receive an axle, the upper ends of said slidable tubes being interiorly threaded, an angular plate forming an apron on the side of the upper ends of the housings opposite the steering post and providing a movable crosshead in abutment with the ends of the slidable tubes, said movable crosshead having apertures of the same diameter as and aligned with the interior threaded portion of the slidable tubes, threaded members having shoulders engaging the outer surface of the movable crosshead and having shanks extending through said last-mentioned apertures and threadably engaging the threaded ends of the slidable tubes to thereby clamp the crosshead against the abutting ends of the slidable tubes, said movable crosshead having a pair of laterally spaced apertures and said upper crosshead having a pair of laterally spaced apertures aligned with the last-mentioned apertures, a pair of elongated members extending through the last-mentioned apertures in the upper crosshead and having interiorly threaded upper ends abutting the movable crosshead and in alignment with the last-mentioned apertures in the upper crosshead, threaded members having shoulders engaging the outer side of the movable crosshead and threadably engaging the upper ends of the elongated members to clamp the movable crosshead between the shoulders and the abutting ends of the elongated members, threaded members adjustably mounted on the lower ends of the elongated members, and springs on the elongated members between the upper crosshead and the last-mentioned threaded members to yieldably urge the movable crosshead toward the upper crosshead.

2,543,992

PREPARATION OF DIALLYL ETHER DICHLOROHYDRINS

Gordon Hart Segall, McMasterville, Quebec, Canada, assignor to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada

No Drawing. Application March 5, 1948, Serial No. 13,335. In Canada August 8, 1947
1 Claim. (Cl. 260—615)

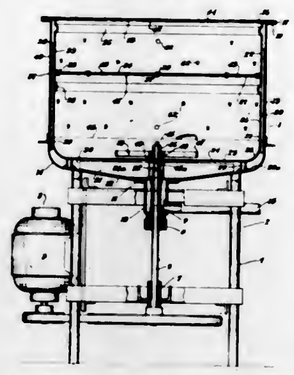
A process for the preparation of diallyl ether dichlorohydrins which comprises adding to a dispersion of diallyl ether in an aqueous solution of sulphuric acid having a sulphuric acid concentration of from 11% to 25% by weight an aqueous solution of sodium hypochlorite titrating from 4.3% to 8.5% as hypochlorous acid by weight, the molar ratio of sodium hypochlorite to diallyl ether being 2:1, at a temperature not in excess of 10° C., subsequently extracting the reaction mixture with a water-insoluble organic liquid which is a solvent for the resultant diallyl ether dichlorohydrins, and recovering said dichlorohydrins from said extract by evaporating said organic liquid.

2,543,993

DISHWASHING MACHINE

Jacques Stanitz, Warren, and Ludwig Schlobohm, Cleveland Heights, Ohio, assignors to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application May 3, 1945, Serial No. 591,644
10 Claims. (Cl. 134—141)



1. In a dishwashing machine of the overflow-type wherein rotary impeller means between the bottoms of an inner and an outer tub draws wash-

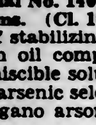
ing liquid through the perforate bottom of the inner tub and forces it upwardly between the inner and outer tub walls, annular directing flange means spaced from the top of the inner tub and forming therewith an annular slit orifice from which washing liquid is jetted, and deflector means on the lower surface of the directing flange means at spaced intervals around the directing flange means forming the jetted liquid into a plurality of non-interfering sheet streams each directed in a different direction.

2,543,994
VAT DYEING OF ACRYLONITRILE POLYMERS
Robert Joseph Thomas, Carney's Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 29, 1947, Serial No. 771,379
11 Claims. (Cl. 8—34)

1. A process of vat dyeing structures prepared from acrylonitrile polymers containing at least 85% acrylonitrile which comprises treating said structures with an aqueous dye bath containing 0.5% to 5% of an aromatic monoamine containing no other solubilizing group and an alkaline solution of a reduced vat dye selected from the group consisting of indigo and thioindigo vat dyes.

2,543,995
TREATING HYDROCARBON OILS
Theodore B. Tom, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 27, 1950, Serial No. 140,970
16 Claims. (Cl. 196—39)

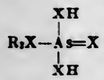
1. The method of stabilizing a copper-contaminated hydrocarbon oil comprising mixing said oil with an oil-immiscible solution of an organo-substituted acid of arsenic selected from the class consisting of an organo arsonic acid having the general formula



an organo-arsinic acid having the general formula



an organo-arsenic acid having the general formula



an organo-arsinous acid having the general formula

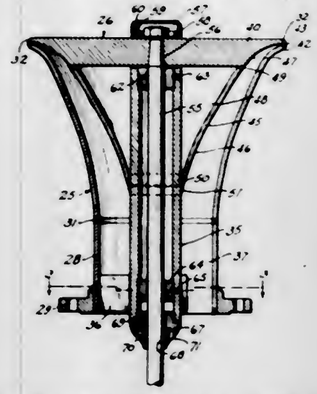


an organo-arsenous acid having the general formula



and mixtures thereof, in which R, R_1, R_2, R_3, R_4 and R_5 are organo radicals selected from the group consisting of aliphatic, cyclo-aliphatic, aromatic, heterocyclic radicals and mixtures thereof, and X is an element selected from the group consisting of oxygen and sulfur, and separating the oil-immiscible solution from the treated oil.

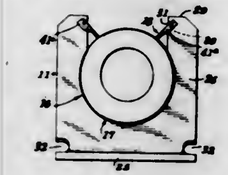
2,543,996
FLUID DISTRIBUTOR
Delber W. Turner, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application January 29, 1945, Serial No. 575,125
6 Claims. (Cl. 259—95)



1. A massive fluid distribution nozzle adapted for connection to a biasing means and for receiving a large-volume pressured stream of liquid and discharging an extremely thin outwardly-flowing sheet thereof into a tank containing a body of liquid and into a member-bounded liquid-filled annular space disposed around the nozzle, said nozzle including: an open-ended tubular member adapted to receive said pressured stream and providing a first large-diameter annular surface; a movable head means comprising a plate extending across the open end of said tubular member and providing a second large-diameter annular surface adjacent said first large-diameter annular surface and cooperating therewith in defining an annular peripherally-continuous discharge orifice directed outwardly into said liquid-filled annular space, said plate having a central flat surface within said tubular member; mounting means for connecting said movable head means to said biasing means to close said discharge orifice upon stoppage of said pressured stream, said discharge orifice opening against the action of said biasing means by pressure exerted on said head means by said pressured stream to open said discharge orifice and thus project a high-velocity sheet of liquid outwardly into said annular space disposed around said nozzle, said mounting means including a rod secured rigidly to said plate and extending from said flat surface of said plate centrally along said tubular member; a plurality of arms secured to and extending inwardly from said tubular member at a position spaced from said open end thereof, said arms providing inner ends; and a centering support for said head means for preventing sidewise movement thereof and tipping thereof relative to said tubular member, said centering support comprising a massive tubular support member rigidly secured

to said inner ends of said arms and extending toward said plate in surrounding relationship with said rod, said tubular support member having an end adjacent said central flat surface, said centering support comprising a bearing means at said end of said tubular support member and immediately adjacent the junction of said rod and said central flat surface of said plate but spaced a minute distance from said plate when said discharge orifice is closed, said bearing means slidably receiving and longitudinally journalling said rod.

2,543,997
SUPPORT
Marvin J. Vavra, West Los Angeles, and Wilford J. Barnett, Venice, Calif.
Application November 26, 1945, Serial No. 630,846
2 Claims. (Cl. 248—68)



1. A unitary fairlead grommet comprising a circular body having a partial peripheral groove adapted to engage a support for the grommet, and a clip for retaining said grommet on its support, said clip comprising a flat spring member having its middle part embedded in the grommet body and having oppositely and angularly extending clip ends, the latter each having an end recess defined by the main portion of each clip end and flanking tongue portions.

2,543,998
EDUCATIONAL TOY
Albert Shulman, Chicago, Ill.
Application May 7, 1947, Serial No. 746,492
2 Claims. (Cl. 35—26)



1. In an educational device comprising a board having a supporting member, a plurality of discs rotatably supported on said supporting member, certain of said discs being transparent, each disc having imprinted thereon a variety of configurations, each configuration forming a part of a composite picture, said discs adapted to be rotated to register and form a variety of traceable composite pictures, a top opaque cover supported on said supporting member and superposed on said discs and having an opening exposing a single composite picture, a pantograph having its stationary end pivotally secured to said supporting member coaxially with said discs, said pantograph having a tracing point adapted to be moved over said composite picture in said opening, a marking instrument supported by said pantograph and simultaneously movable with the tracing point, and a sheet of paper supported on said board under said marking instrument and upon which the marking instrument imprints.

2,543,999
TONGUE CLEANER
Joseph A. Voss, Denver, Colo.
Application September 3, 1948, Serial No. 47,591
2 Claims. (Cl. 128—304)



1. In a device of the character described, the combination with a handle member, of an elongated body member extending from said handle member, and tongue surface abrading means comprising a series of spaced teeth on said body member to remove the film coatings from the tongue surface, there being film transmitting openings in said body member to communicate with spaced teeth abrading means to receive the removed film therefrom, said film transmitting openings being offset from said teeth abrading means for a limited extent to form pockets in said body member for collecting the removed film.

2,544,000
COATED WELDING ROD
Rene D. Wasserman, Stamford, Conn.
Application May 5, 1949, Serial No. 91,548
6 Claims. (Cl. 219—8)



1. A flux coated welding rod bearing a continuous, external, metallic film having an average thickness between about one and about twenty one-thousandths of an inch.

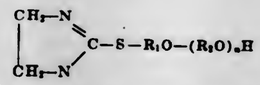
2,544,001

CLEANING OF METALLIC SURFACES

Richard O. Zerbe, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 9, 1948, Serial No. 7,297
18 Claims. (Cl. 252—150)

10. A pickling bath for metal products consisting essentially of a non oxidizing mineral acid solution containing 0.01 to 0.03 percent by weight based on the pickling bath of a compound of the structure



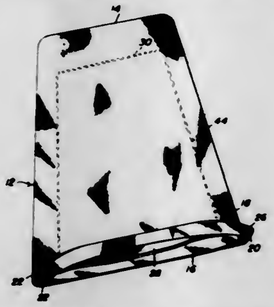
where R_1 and R_2 are alkylene groups of less than 4 carbon atoms and n is an integer greater than one but not more than 30.

2,544,002

DIAPER

William L. Avery, Coral Gables, Fla., assignor of one-half to Paul E. Arnall, Griffin, Ga.

Application December 26, 1947, Serial No. 793,789
3 Claims. (Cl. 128—284)



1. A diaper comprising an elongated foundation layer scored crosswise between its opposing ends defining a front and rear section, a filler patch including a substantially rectangular blank transversely scored midway its opposing ends to define end sections folded on the score line upon themselves, said filler patch being stitched at its side edges and its edge remote from its score line to the rear section with the score line thereof in juxtaposition to the free edge of the rear section, said scoring on the foundation layer constituting a closed end with the adjacent side edges of the rear and front sections being stitched together, said foundation layer having an open end with the filler patch having an open end adjacent to said open end.

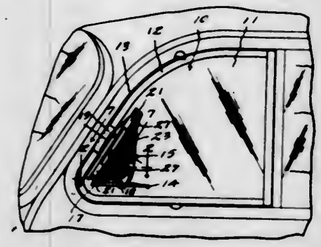
2,544,003

SCREEN ATTACHMENT FOR VEHICLE VENTILATOR WINDOWS

Harry H. Baggs, Yuma, Ariz.

Application November 15, 1949, Serial No. 127,330
3 Claims. (Cl. 296—44)

1. A vehicle ventilator window attachment comprising a forward upwardly and rearwardly inclined frame, a lower substantially horizontally disposed frame extending rearwardly on an acute angle with respect to said forward frame, screens carried by each frame, and means securing said forward frame to the ventilator window, said forward frame having openings in the lower portion thereof whereby air will be directed over



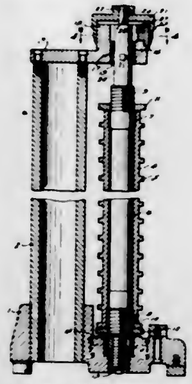
the upper side of said lower frame for cleaning off insects caught in the angle between said frames.

2,544,004

HEIGHT GAUGE FIXTURE

Clarence H. Bauer, Detroit, Mich., assignor to Cadillac Gage Company, Detroit, Mich., a partnership

Application June 20, 1946, Serial No. 677,999
7 Claims. (Cl. 33—170)



3. A height gage fixture comprising a standard, a bar having a plurality of parallel, flat surfaces formed thereon at precisely spaced intervals therealong, another bar coaxial with respect to said first bar, means interconnecting said first and second named bars for relative axial movement with respect to each other, means mounting said second named bar on said standard for movement of both of said bars with respect to said standard along the longitudinal axis of said bars, and means indicating the extent of said last named axial movement.

2,544,005

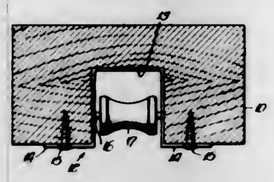
PULLEY BEARING FOR VENETIAN BLIND HEAD BARS

Michael Bird, Chicago, Ill.

Application January 22, 1948, Serial No. 3,708
1 Claim. (Cl. 160—173)

In a Venetian blind, an elongated head bar substantially rectangular in transverse cross-section, said head bar having an elongated substantially U-shaped, centrally positioned recess projecting inwardly from one of the faces and

extending longitudinally thereof, a substantially U-shaped bearing member comprising a base and a pair of spaced parallel arms each having a free end and extending away from said base in the same direction, an integrally formed wing projecting laterally away from each of said free ends and away from each other, said wings being substantially parallel to said base, said U-shaped



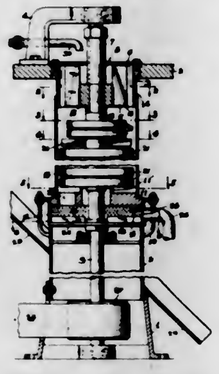
bearing being transversely nested within said U-shaped recess in face-to-face engagement with each other and said wings extending transversely of said head bar at opposite sides of said recess, means securing said wings to said head bar, a pin mounted within said U-shaped bearing and supported at each end by said arms, and a pulley journaled on said pin between said arms.

2,544,006

OLIVE PITTING MACHINE

Charles V. Butterfield, San Francisco, and Eugene L. Gonella, Merced, Calif.

Application July 25, 1949, Serial No. 106,614
4 Claims. (Cl. 146—17)



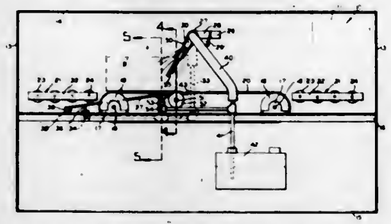
1. In a fruit pitting machine, an upright cylindrical casing having a substantial perforated portion, the said casing having an inlet at its upper end for receiving fruit to be processed, an axial drive shaft extending through the casing, an impeller keyed to the shaft and arranged to intercept the fruit passed into the casing through the inlet, a plurality of stiff substantially circular brushes keyed to the shaft and arranged below the impeller with their peripheries in closely spaced relation to the perforated portion of the casing, a plate keyed to the shaft and arranged to receive fruit pits and some fruit pulp particles falling between the brushes and the screen portion of the cylindrical casing, the said plate having a plurality of upwardly extending radial blades, and an outlet opening located in the cylindrical casing opposite the path traversed by the outer ends of the blades.

2,544,007

APPARATUS FOR STERILIZING CONTAINERS

Charles B. Cook, Los Angeles, Calif.

Application February 24, 1945, Serial No. 579,673
7 Claims. (Cl. 21—80)



3. In an apparatus for spraying boxes with disinfectant fluid, said apparatus including a body, a conveyor mounted on the body and adapted to carry boxes to be treated, a nozzle, means to shiftably mount said nozzle on the body, means normally causing the nozzle to be directed towards the outer face of the leading end of a box approaching on the conveyor, a trip arm disposed in the path of the leading edge of a box on the conveyor and operable by a box to cause the nozzle to drench the inner face of the leading end of the box, said trip arm returning to normal position after being disengaged from the leading end of a passing box, the trip arm thereafter engaging the trailing end of a box to cause such trailing end to be drenched, and means to conduct fluid to the nozzle.

2,544,008

COLLAPSIBLE GATE, DOOR, AND THE LIKE

Frederick George Coleman, West Wickham, England

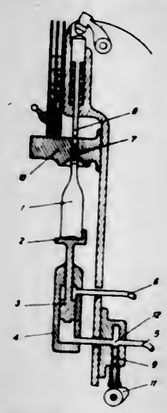
Application April 7, 1947, Serial No. 739,778
In Great Britain April 18, 1946
4 Claims. (Cl. 160—229)



1. A collapsible gate of the kind specified, comprising shutter plates whose longitudinal edge portions have, in section, a rounded enlarged bulbous contour, longitudinally-extending connecting members each providing channels in which adjacent longitudinal edge portions of the plates are rotatably secured, whereby the shutter plates are rotatably secured together at their adjacent longitudinal edges, pickets to which alternate connecting members are attached, and a wall on each connecting member extending completely between the adjacent bulbous edge portions of

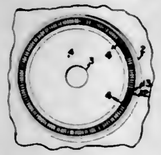
adjoining shutter plates separating the channels therein and being the sole means for maintaining out of contact the bulbous edge portions of the plates secured in the channels, said channels and the separating wall therefor cooperating to embrace and prevent lateral withdrawal from said channels of the edge portions of said plates.

2,544,009
STOPPERING AND THE LIKE MACHINES HAVING HYDRAULIC MOVING AND LOCKING MEANS
René Détrez, Nogent-sur-Marne, France
Application August 30, 1945, Serial No. 613,665
In France July 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 7, 1964
10 Claims. (Cl. 226—80)



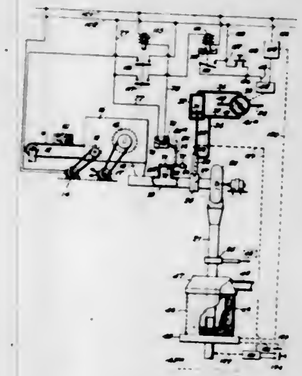
1. A bottle stoppering machine comprising a fixed support for a bottle, a reciprocable stoppering head, a hydraulic cylinder, a piston in said hydraulic cylinder connected to the reciprocable stoppering head, a conduit for conducting liquid under pressure to the hydraulic cylinder, a valve in said conduit, and locking means for automatically closing said valve during operation of the reciprocable stoppering head.

2,544,010
PHONOGRAPH RECORD
Edmond P. Di Giannantonio, Brookline, Mass., assignor of twenty-five per cent to David Broude and Ezekiel Wolf, both of Boston, Mass.
Application November 15, 1945, Serial No. 628,789
14 Claims. (Cl. 274—42)



1. In combination with a phonograph disc record having a center about which the disc is to rotate, a projecting element having a height less than the thickness of the record provided on one side thereof and a recess of such a size as to receive an element similar to the projecting element on the other side of the record, said projecting element and recess both being located at the same radial distance from the center of the record and shaped to engage a similar projection and recess of another record providing engagement of adjacent surfaces of successively stacked records over substantially their whole surfaces.

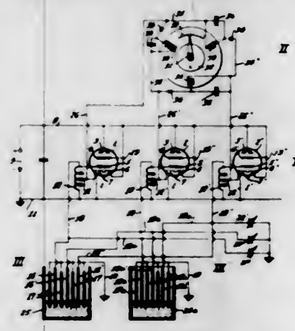
2,544,011
CONTROL FOR PNEUMATIC PACKING SYSTEMS
Thure C. Duvall, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware
Application December 2, 1946, Serial No. 713,428
14 Claims. (Cl. 302—35)



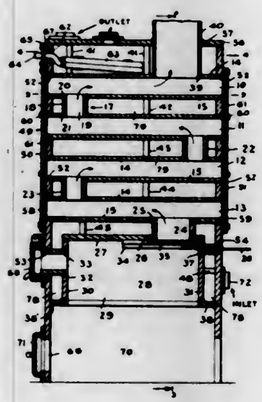
1. In an intake conduit to a fan-blower system arranged for drawing air from the atmosphere and having means to feed solid material into said system for suspension in air therein, a feed-control device comprising a suction duct leading from the atmosphere to the intake conduit and subject to suction to admit air into the system, a moving member associated with said duct and responsive to suction of a predetermined value to move from normal static position to abnormal operating position and to admit air to said duct when air is moving through the system, and means arranged for operation by said moving member to effect operation of said feeding means in said abnormal position and non-operation of said feeding means in said normal position.

2,544,012
INDICATING AND CONTROL DEVICE
Abraham Edelman, New York, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application December 11, 1944, Serial No. 567,704
19 Claims. (Cl. 73—304)

3. A liquid level indicating device, comprising three means for providing three alternating currents having a common frequency, circuit means electrically coupling said current providing means together for providing a path for a flow of energy between the current providing means, a capacitor connected in circuit with each of the current providing means, said capacitors having spaced electrodes and being arranged to be immersed in the liquid, the level of which is to be indicated, to an extent dependent upon the level of said liquid, the electrodes of one of said capacitors being arranged and shaped to cause changes of the relative capacitances of the capacitors in response to changes in the liquid level between the spaced electrodes, thereby causing the current providing means to produce a flow of energy through the coupling means, and indicating means controlled by the said flow of energy in said coupling means to indicate liquid level.

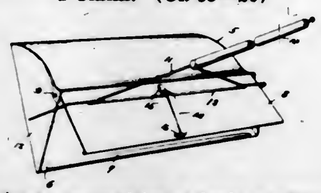


2,544,013
STEAM BOILER
Robert G. Fisher, Coplay, Pa.
Application October 10, 1949, Serial No. 120,561
2 Claims. (Cl. 122—214)



1. A boiler comprising a main rectangular casing including a pair of opposed side plates having transversely elongated rectangular openings extending for the major portion of the width of the side plates, a plurality of vertically spaced rectangular flues extending between the side plates, each flue being transversely elongated and extending for the major portion of the width of the side plates, the opposite ends of the flues being open and mounted within the rectangular openings of the side plates, a unitary common cover plate mounted upon each side plate and completely covering all of the adjacent open ends of the flues, each common cover plate extending for the major portion of the width of the adjacent side plate, conduit means connecting the flues in series, and a second opposed pair of side plates connected with the first-named side plates and forming therewith a water chamber surrounding the flues.

2,544,014
DUSTPAN
Charles Gabel, Hawkeye, Iowa
Application June 24, 1947, Serial No. 756,574
1 Claim. (Cl. 65—20)



A dust-pan comprising a body portion having an open side the open side having its forward edge extended rearwardly and forwardly defining a scraping edge, a hinged cover normally closing the open side of the body portion, a spring arm disposed transversely of the cover at a point intermediate the ends of the cover, one end of the arm being secured to the cover, at a point intermediate the side edges of the cover, the opposite end of the arm being free of the cover and curved inwardly and rearwardly against the cover, a handle including spaced arms pivotally connected to the dust-pan, a horizontal rod connecting the spaced arms of the handle and being removably held under the spring arm in contact therewith, slidably connecting the handle and cover, whereby said handle moves the cover to its open or closed position as the handle swings on the body portion.

2,544,015
SHUTTLE BINDER
Charles Galland, Fall River, Mass.
Application November 15, 1949, Serial No. 127,335
3 Claims. (Cl. 139—185)

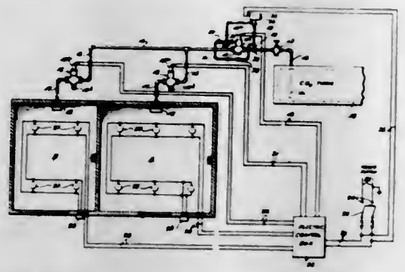


1. A shuttle binder comprising an elongated shoe pivoted at one end thereof in a shuttle box and provided intermediate the ends thereof with an elongated socket, an elongated swell removably positioned in said socket, said swell and said socket having interfitting grooves and flanges for locating the swell in the socket, and a fastening element extending through said shoe into said swell for removably securing the latter in position.

2,544,016
FIRE EXTINGUISHING SYSTEM
Charles A. Getz, Glen Ellyn, Ill., assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application September 28, 1942, Serial No. 459,994
9 Claims. (Cl. 169—11)

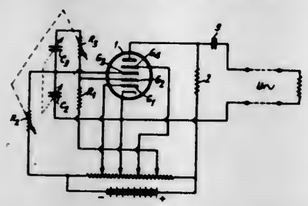
1. A fire extinguishing system for protecting a plurality of separate hazards, comprising a storage tank for supplying liquid carbon dioxide to the system, a delivery pipe extending from the tank, a master valve for controlling the flow of carbon dioxide through the delivery pipe, a header connected to the outlet of the master valve, a separate branch pipe line extending to each hazard from the header, a selector valve for controlling each branch pipe line, electrical means for effecting opening operation of the master

valve and one selector valve for effecting delivery of the carbon dioxide to the hazard associated with the opened selector valve, and means operating in response to failure of power to the electrical means for effecting opening operation



of the master valve independently of all of the selector valves for converting the non-pressure header to a pressure header so that the delivery of the carbon dioxide to the hazards may be controlled entirely by the selector valves.

2,544,017
OSCILLATOR CIRCUIT ARRANGEMENT
Roman Golicke, Finkebkrug-Osthavelland, Germany; vested in the Attorney General of the United States
Application March 27, 1946, Serial No. 657,417
In Germany October 7, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires October 7, 1959
4 Claims. (Cl. 250—36)



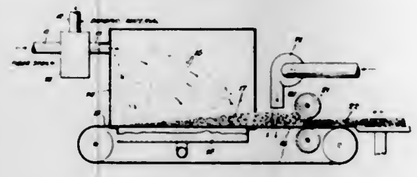
1. A resistance-capacity tuned oscillator circuit arrangement comprising an electron discharge device having a cathode and anode, an output circuit connected between the cathode and anode, and said device having a plurality of grids including two which cooperate with the cathode to produce oscillations, one of said two being located between the other of said two and the cathode, a direct current source and intermediate taps, connections between said source for supplying positive and negative potentials to said anode and cathode respectively, connections between said source and said two grids for supplying to said one grid a relatively high and to the other a relatively low direct current potential, the relatively high potential supplied to the one grid being intermediate the plate and cathode potentials and each of said last named connections including a resistance, a connection between said two grids, consisting of a capacitor and a resistance of substantial value in series with one another, a capacitor forming a direct connection between the other of said two grids and the cathode, a third grid between said one grid and the cathode and connections for supplying to said third grid a potential negative to the cathode.

2,544,018
SPINNING FUNNEL
Cortland Hatfield, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y., a corporation of New York
Application June 4, 1946, Serial No. 674,238
2 Claims. (Cl. 18—8)



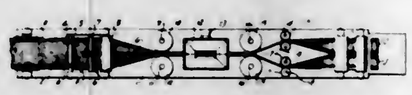
2. A spinning funnel and support assembly comprising, in combination, a funnel constituted of an elongated funnel body, a ferrule larger than said body and carried by said body for removably seating said funnel in a support portion of a spinning machine said ferrule having a gradual external taper, an aperture in said ferrule having a gradual taper, a head member adapted for connection to a supply of spinning solution, filament-forming means carried by said head member, said head member having a gradual external taper, the degree of said tapers interiorly of said ferrule and exteriorly of said head member being such as to cause said head member to become securely wedged in place when said head member is frictionally rotated in said ferrule while applying pressure, a support for said funnel provided with an opening having a taper corresponding to the external taper on said ferrule, said opening extending laterally through said support as a passage and being larger at one end than said funnel body but smaller than the smallest portion of the taper on said ferrule to permit lateral insertion of said funnel body through said opening and seating of said tapered ferrule in the tapered opening in said support without requiring the entire funnel body to be passed downwardly through said opening, the degree of the taper on said ferrule and in the opening of said support being such as to cause said ferrule and the head member carried by it to become securely wedged in place when said ferrule is frictionally rotated in the opening in said support while applying pressure, an angularly shaped groove extending peripherally of said head member intermediate the top and bottom thereof, a resilient compressible sealing ring in said groove and extending slightly beyond the outer surface of said head member, the fit of said ring in said groove being such as to permit said ring to roll freely therein vertically and thereby become wedged between the inner surface of said groove and the inner surface of said ferrule during the frictional rotational fitting of said head member into said ferrule to provide supplementary liquid-tight sealing between said head member and said ferrule, a flange on said head member and a flange on said ferrule, said flanges remaining spaced apart when said head member is seated in said ferrule to permit insertion of means for forcibly separating said head member from said ferrule, the external taper of the ferrule and the internal taper of the opening in the support being such as to cause the flange on said ferrule to remain spaced from the support, to permit insertion of means between said flange and said support for removing said ferrule and said head as a joined-together unit from said support.

2,544,019
MANUFACTURE OF PLASTIC-FIBER COMPOSITION
Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware
Original application November 13, 1944, Serial No. 563,209. Divided and this application June 21, 1945, Serial No. 600,696
8 Claims. (Cl. 154—101)



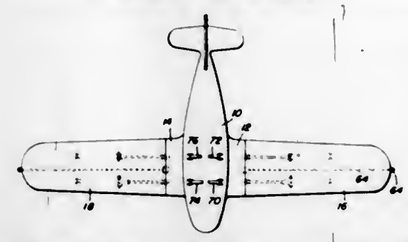
1. The method of making moldable preform material containing hot-moldable binder and vegetable fibers, which comprises continuously depositing upon a moving receiving member from a gaseous suspension entities of dry finely divided solid heat-softenable binder and dry substantially individualized vegetable fibers and thereby forming them into a loose unbonded mat having a density not over 4 pounds per cubic foot, said fibers and binder being in proportion to form a cold rigid body after hot-molding at substantially maximum compression, said solid binder being normally non-adhesive and capable of softening to a condition adhesive to the fiber at an elevated temperature to which the fibers may be heated without destruction of their fibrous character, and bonding the fibers of the mat to form a structure having a density ranging from said density of formation to a density up to about 40 pounds per cubic foot by applying heat at a non-fusing temperature for the binder and of intensity to effect surface-tackiness of said binder, whereby to unite the fibers one to another by said individual binder entities and to fix the major portion of all the originally separate entities of the original mat into a resultingly strengthened bonded mat.

2,544,020
METHOD AND MACHINE FOR MAKING AND FILLING FLUTED CONTAINERS
Roderick W. Heag, Melrose, Mass.
Application September 3, 1948, Serial No. 47,632
13 Claims. (Cl. 93—3)



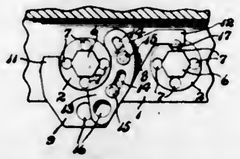
1. The method of making filled, fluted containers by a sequence of operations, consisting in advancing a web of single faced, transversely corrugated, flute formed material having the ends of the corrugations along the side margins of the web closed tight; cutting the crown of each corrugation at each end near the margin of the web: longitudinally severing the web to provide two webs; turning both webs to vertical position; filling the flutes of the corrugations of both webs with a commodity; crimp sealing the open ends of the flutes; and transversely severing the web.

2,544,021
FOLDING WING DEVICE
James Wismer Holland, Valdosta, Ga.
Application May 3, 1948, Serial No. 24,750
7 Claims. (Cl. 244—49)



1. An aircraft including a fuselage having attached projections, each of said projections having a wing disposed in a first position and means for hingedly and swivelly attaching the wing thereto, said means for one wing and projection including a rod pivoted at one end to the projection, a universal joint connecting the opposite end of the rod and the wing, and clamping means spaced from the universal joint secured on said wing and on the fuselage to releasably hold the wing in a second position, a latch in said wing, a latch keeper in said projection, said latch being removably disposed in said keeper to retain the wing in the first position, and means at the wing tip for actuating said latch.

2,544,022
HOLDING WRENCH FOR TAPPETS
Charles E. Johnson, North Muskegon, Mich., assignor to Johnson Products, Inc., Muskegon Heights, Mich., a corporation of Michigan
Application November 13, 1945, Serial No. 628,236
1 Claim. (Cl. 81—13)

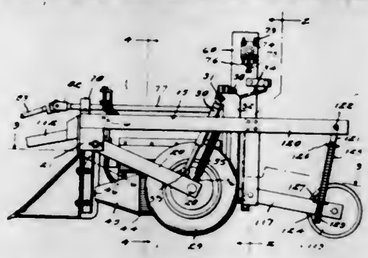


A tappet holding implement comprising a body, means on said body to non-rotatably engage a tappet, a semicircular recess in said body adapted to embrace another tappet through an arc of not more than 180° and means on said body adjacent said recess movable in an arc concentric with the center of said recess to engage said other tappet beyond said 180° limit.

2,544,023
VINE REMOVER AND CHOPPER
Fritz Johnson, Idaho Falls, Idaho
Application March 24, 1948, Serial No. 16,849
2 Claims. (Cl. 55—64)

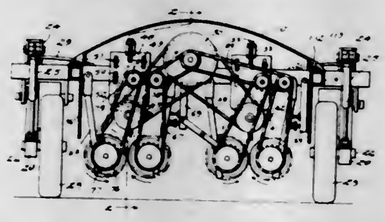
1. A vine remover and cutter comprising a mobile frame, a pair of longitudinally ribbed mutually contacting rollers carried by and disposed lengthwise of said frame and formed with tapered forward ends, a cutter rotatably carried by said frame and disposed lengthwise of said rollers with the axis of rotation thereof within the vertical projection of the line of contact of said rollers, and means fixed relative said frame for guiding the vines toward said rollers.

said latter named means including a pair of forwardly divergent guide members, and a depending combined guide and guard fixed to the frame



and disposed at the forward end of said cutter and having a rearwardly bent lower portion extending between said tapered forward ends.

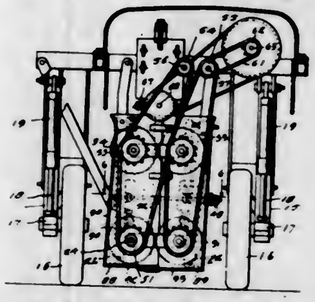
2,544,024
VINE PULLER AND CUTTER
Fritz Johnson, Idaho Falls, Idaho
Application November 5, 1948, Serial No. 58,381
8 Claims. (Cl. 55—61)



1. A vine puller and cutter for connection with a tractor and the power take-off of the tractor, comprising a mobile frame having a front and rear, a pair of pulling rollers disposed in side by side relation below said frame, means connected with said frame and rollers rotatably supporting said rollers with the axes thereof disposed lengthwise of said frame, an elongated rotatable cutter carried by said frame above and closely adjacent said rollers, said cutter including longitudinally disposed elongated blades, said blades extending radially of the axis of rotation of the cutter for cutting the vines pulled by said rollers and for creating a lateral draft of air to thereby blow the cut vines laterally of the frame, and means carried by said frame for connection with the power take-off for rotating said rollers and cutter.

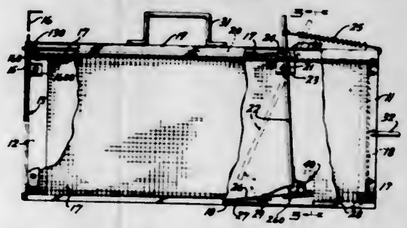
2,544,025
PULLING AND COMMINUTING DEVICE FOR PLANTS, STALKS, AND THE LIKE
Fritz Johnson, Idaho Falls, Idaho
Application March 9, 1949, Serial No. 80,416
3 Claims. (Cl. 55—61)

1. A stalk puller comprising a mobile frame having a front and rear, superposed pairs of pulling rollers disposed longitudinally of said frame and in side by side relation, a pair of depending roller supporting bars fixedly carried by said frame and disposed adjacent the ends of one roller of each pair, bearings for one roller of each pair carried by said bars, a second pair of depending roller supporting bars disposed adjacent the ends of the other rollers of each pair, means pivotally securing said second pair of bars to said frame, bearings for the other rollers of each pair carried by said second pair of bars, means vertically adusting said bearings on said bars to dispose said pairs of rollers in adjusted



position one pair relative to the other pair, tensionable adusting means between said second pair of bars and said frame urging said other rollers toward said first mentioned rollers of each pair, and means for rotating said rollers.

2,544,026
ANIMAL TRAP
Arthur E. Kern and Edward L. Wood, Detroit, Mich.
Application September 18, 1948, Serial No. 49,942
3 Claims. (Cl. 43—61)

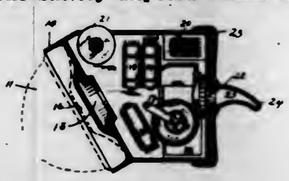


1. In an animal trap of the type including a gravity sliding door, a hinged tread plate and a spring loaded trigger mechanism holding the said hinged tread plate up and the gravity sliding door open when the trap is set releasable responsive to an animal walking onto the said tread plate, the said trigger mechanism comprising a latch rod releasably engaging the said gravity sliding door and holding it open when the trap is set, a trigger rod pivotally suspended within the said trap to which the said latch rod is pivoted, spring means engaging the said trigger rod constantly urging the said trigger rod to pivot and release the said latch rod from engagement with the said gravity sliding door whereby to spring the trap, and magnetic means coupling the trigger rod to the tread plate when the trap is set releasable responsive to the weight of an animal on the said tread plate.

2,544,027
HEARING AID ATTACHMENT FOR USE ON FRENCH TYPE TELEPHONES
Raymond E. King, Denver, Colo.
Application July 16, 1948, Serial No. 39,029
2 Claims. (Cl. 179—107)

1. A unitary hearing aid device comprising, a casing, a transmitter fixed relative to the casing at one end thereof, a receiver fixed relative to

the casing at an opposite end thereof having a resilient hollow portion projecting therebeyond adapted to enter a human middle ear, electrical means including at least one electronic tube and at least one battery disposed within the casing



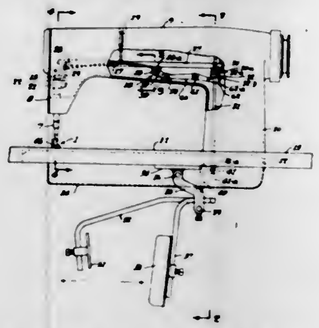
and interconnecting the transmitter and receiver for amplifying sonic signals, and resilient abutment means on said opposite end of the casing adapted to engage a human ear when the device is in use and limit the distance which said resilient portion may project into the middle ear.

2,544,028
SKI
Ragnar Kjellberg, Gullanget, Sweden, assignor to Aktiebolaget Tobo Bruk, Tobo, Sweden, a corporation of Sweden
Application February 17, 1948, Serial No. 8,921
In Sweden January 14, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1961
9 Claims. (Cl. 280—11.13)



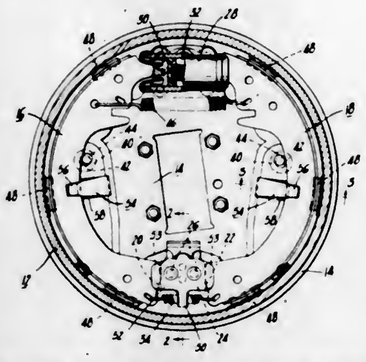
1. A ski having tapering end portions and at least one slit extending substantially longitudinally of the ski throughout the whole width thereof, said slit commencing on the upper side of one of said end portions at a distance from the end of the ski and extending toward the center portion of the ski, the faces of said slit being glued together.

2,544,029
PRESSER FOOT CONTROL APPARATUS
Tobias Kotzin, Los Angeles, and Jerome C. Ivey, Whittier, Calif.
Application September 10, 1945, Serial No. 615,279
9 Claims. (Cl. 112—236)



1. In a presser mechanism for a sewing machine: a pair of telescoping members; a presser foot carried by one of the members; said members being provided with stops to limit inward and outward extensibility; means resiliently urging said members apart; means for applying a resilient force on that member which does not carry the foot, said force being greater than the force urging the members apart, whereby the members are in the limiting inward position during normal operation; means for optionally releasing said resilient force; and means for optionally increasing said resilient force, including a reciprocably mounted member, and means for moving the said member.

2,544,030
INTERNAL-EXPANDING SHOE BRAKE
Bryan E. House, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 7, 1947, Serial No. 727,245
8 Claims. (Cl. 188—78)

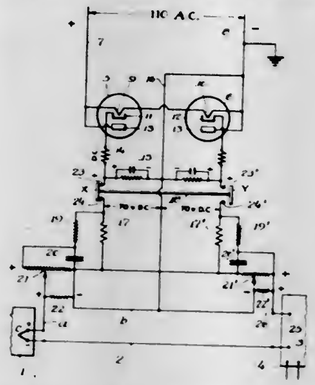


1. For use in cooperation with a rotatable brake drum, a brake comprising a non-rotatable support member having anchor means provided thereon, two brake shoes each having one end thereof in contact with a surface of said anchor means, means for spreading the unanchored ends of the shoes to bring them into engagement with the drum, a spring which is located between the anchor means and the adjacent surfaces of the drum and which is connected in tension between the ends of the shoes to maintain them continuously in engagement with the respective surfaces of the anchor means, and means associated with said spring for causing the same to exert a lateral force component to hold the shoes against the support member and thereby determine their lateral position.

2,544,031
THERMOCOUPLE AUXILIARY AMPLIFIER FOR CONTROLLING HEATING APPARATUS
Andrew S. Kyle, Chicago, Ill., assignor to Claud S. Gordon Company, a corporation of Illinois
Application February 14, 1947, Serial No. 728,672
5 Claims. (Cl. 236—69)

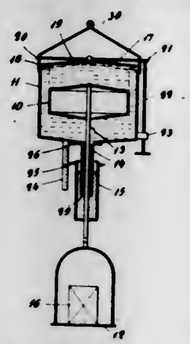
1. A thermocouple amplifying system for use as an auxiliary in controlling the temperature of furnaces and the like heated by a heating medium in heat controlled processes, comprising a thermocouple adapted to be positioned in the heating zone of a furnace and the like, a furnace controller device, a circuit connecting the thermocouple and the furnace controller device for initiating the on and off operation of the heating medium to the furnace, an auxiliary circuit in said first mentioned circuit, said auxiliary circuit

being connected to an approximately 110 A. C. volt circuit, a rectifier tube connected in said auxiliary circuit and receiving current directly from said 110 volt circuit, means connected with the rectifier tube for changing the 110 A. C. voltage to approximately 70 D. C. voltage, a pair of spaced contacts, a single pole double throw switch in circuit with said rectifier tube and intermittently engageable with said contacts, a network of resistances and a condenser connected in circuit from one of said contacts to the thermo-



couple to anticipate upswings in temperature when the furnace comes on and one of said contacts is engaged by the switch and the other one is disengaged, and a similar network of resistances and a condenser connected in circuit from said other one of said contacts to the thermocouple to anticipate downswings in temperature when the furnace goes off and said other one of said contacts is engaged by the switch, and a back to back time delay circuit for governing the rate at which the auxiliary D. C. voltage is introduced into the circuit of the thermocouple.

2,544,032
BUOYANCY SCALE
Bror Gunnar Lange, Jonkoping, and Karl Henrik Lange, Stockholm, Sweden
Application July 22, 1946, Serial No. 685,415
In Sweden April 6, 1945
8 Claims. (Cl. 265—43)



1. A hydrostatic balance particularly adapted to measure tolerances which comprises a float chamber completely filled with liquid, means for supporting said chamber, a tubular displacement member depending from said chamber and forming an extension thereof, a float disposed in said float chamber and displacing the liquid in said chamber, a scale pan, means for suspending said scale pan attached to said float and passing through said tubular displacement member, said float, suspending means and scale pan constituting the movable system of said balance, and a cup-shaped member at least partly filled with liquid, open at the top and mounted on said suspending means beneath the float chamber, which cup-shaped member is in open communication with the liquid in said float chamber through said displacement member, said displacement member having its end extending beneath the level of the liquid in said cup-shaped member, and means for indicating the height of said movable system thereby affording relative readings of weight.

2,544,033
SLIDE FLUTE
Robert W. Lawrence, Ben Lomond, Calif.
Application December 30, 1949, Serial No. 135,927
6 Claims. (Cl. 84—384)



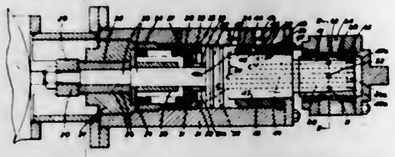
1. A pocket size slide flute comprising a tone tube, a relatively short sleeve member of circular cross section secured in and extending from one end of the tone tube and forming a restricted end embouchure, a sleeve member detachably connected to the opposite end of the tone tube and providing a piston stop and piston rod guide, a piston rod extending reciprocally through the guide and stop member, a piston fixed to said piston rod within the tone tube and forming a seal between the ends of the tone tube, said piston being formed of a resilient, compressible material.

2,544,034
ILLUMINATED TOY UNIT
William C. Levering, Martinsville, N. J.
Application February 26, 1948, Serial No. 11,049
4 Claims. (Cl. 46—12)



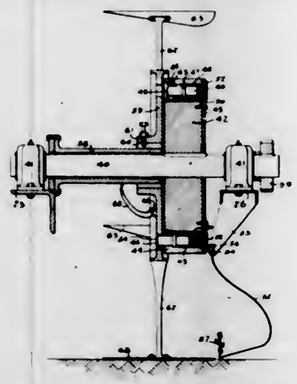
1. A toy unit in the form of a building formed of molded thermosetting plastics material which is translucent, the building including a wall, the wall having a window molded therein, said window including a pane integral with the wall and much thinner than the wall and much more translucent than the wall, a base for supporting the building, a plurality of electrical sockets secured to the base, a plurality of plugs secured to the lower portion of the building for insertion within the sockets and serving to locate the building upon the base and to detachably secure the building to the base against accidental displacement, an electric bulb mounted within the building, and means electrically connecting the plugs with the terminals of the bulb.

2,544,035
HYDRAULIC SERVOMOTOR AND CONTROL VALVE THEREFOR
Alec Frank Marshall and Harry Andrew Rees, Sheffield, England, assignors to Davy And United Engineering Company Limited, Sheffield, England
Application July 8, 1949, Serial No. 103,686
In Great Britain July 8, 1948
5 Claims. (Cl. 121—41)



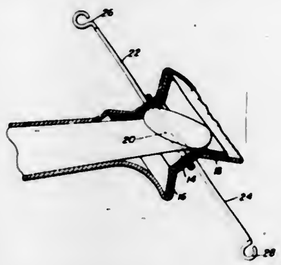
1. A hydraulic servo-motor comprising a source of fluid pressure, a body formed as a cylinder, a piston movable axially in said cylinder under the influence of the fluid pressure, a control valve, a rotary ported member and a reciprocatory ported member disposed coaxially within said control valve, an exhaust outlet formed in the wall of the cylinder, a piston stem extending on one side of the piston coaxial with and within said ported members and formed with three passages communicating on the one hand respectively with opposite sides of the piston and with the exhaust outlet, and on the other hand with the control valve, the ported members permitting pressure fluid to be effective at opposite sides of the piston selectively and move said piston axially, and means serving to rotate the rotary ported member through a predetermined arc, the axial movement of the piston being related to the arcuate movement imparted to the rotary ported member.

2,544,036
COTTON CHOPPER
Edward M. McCann, Tacoma, Wash.
Application September 10, 1946, Serial No. 696,061
6 Claims. (Cl. 97—15)



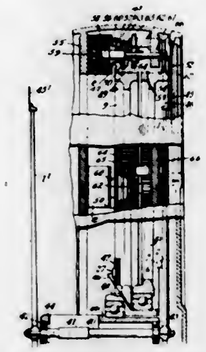
4. In a machine of the class described, the combination with a wheeled vehicle; a rotary body mounted in said vehicle and having hoe arms extending therefrom and adapted to chop out some of the plants in a row; a flywheel driven by said wheeled vehicle at a high rate; pins mounted on said flywheel and adapted to engage said rotary body to rotate it, but normally restrained from such engagement; control members mounted on said flywheel and each adapted to restrain said pins from engagement with said rotary body; and a pivoted arm adapted to engage a plant of said row and thereby withdraw one said control member from a pin, thereby connecting said rotary body with said flywheel.

2,544,037
SURGICAL DEVICE
Mortimer H. Moseley, Eddyville, Ky.
Application January 26, 1950, Serial No. 140,675
3 Claims. (Cl. 128—346)



3. A surgical instrument comprising a guard adapted to be fitted between the prepuce and the shaft and a resilient clamp member adapted to be positioned in encompassing position about the prepuce crushing the prepuce against said guard to cause hemostasis, said guard being transparent and comprising a substantially cylindrical medial portion connecting end portions of outwardly diverging truncated conical shape.

2,544,038
RECORDING SCALE
Leòn Antoine Nicaise, Lambersart-les-Lille, France
Application March 28, 1946, Serial No. 657,832
In France August 27, 1945
4 Claims. (Cl. 265—5)



1. Apparatus for indicating and recording weight and price in weighing balances, comprising the combination of a load-influenced rotary weight-indicating element, a weight-printing wheel arranged for rotation coaxially with said weight-indicating element and having a succession of type elements arranged circumferentially thereon, actuating means for said printing wheel for imparting rotary motion thereto, and control-

ling means operatively connected to said weight-indicating element for arresting the weight-printing wheel at the required position to record the weight shown by said indicating element, with a price-printing wheel arranged for rotation coaxially with the weight-printing wheel and having a succession of type elements arranged circumferentially thereon for printing progressively increasing prices, gear teeth arranged circumferentially on said weight-printing and price-printing wheels, a plurality of gear transmission mechanisms interposed between said weight-printing and price-printing wheels, each of said mechanisms including a gear pinion meshing with the teeth on the weight-printing wheel and a gear pinion meshing with the teeth on the price-printing wheel and clutching devices for establishing operative relationship between said printing wheels through the respective transmission mechanisms, the velocity ratio of said transmission mechanisms progressively increasing in accordance with progressively increasing prices per unit of weight so as to enable the price-printing wheel to be turned through correspondingly increasing angles for the same angular displacement of the weight-printing wheel, and individual operating devices for said clutching devices having manual actuating means for enabling the price-printing wheel to be rotated through a selected angle to record the total price of the weight of the goods at a specific price per unit of weight.

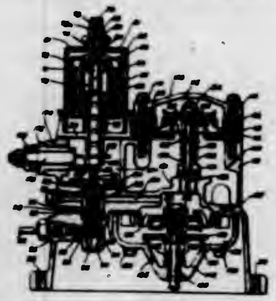
2,544,039
AUTOMOBILE LIFT
Frank S. Pearne, Alhambra, Calif.
Application February 10, 1948, Serial No. 7,342
6 Claims. (Cl. 254—134)



1. A jack including a vertically disposed extensible support, a bracket having an opening passing the support disposed so the bracket extends at an angle to a plane normal to the longitudinal axis of the support, a lug at the lowermost portion of the bracket, a lock pin projecting from the bracket at the upper portion thereof and into the opening to be engageable with the support, a hook, and a pivot pin pivotally connecting the hook to the lug.

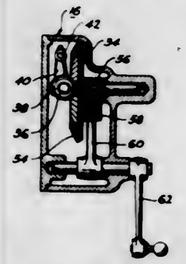
2,544,040
PRESSURE REGULATOR
Robert H. Peterson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 2, 1943, Serial No. 497,903
12 Claims. (Cl. 137—153)

1. A pressure regulator for an aircraft fuel tank pressure control system comprising a main pressure chamber adapted to be connected to a fuel tank, a conduit for supplying pressure fluid to said chamber, a pair of valves in series relation in said conduit, means responsive to barometric pressure controlling the first of said valves, means responsive to the pressure in the chamber for controlling the second valve, an atmospheric vent for the chamber, and means responsive to



the pressure in the conduit between the valves for controlling said vent.

2,544,041
POWER STEERING MECHANISM
Harold W. Price, Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 13, 1945, Serial No. 634,853
2 Claims. (Cl. 74—388)

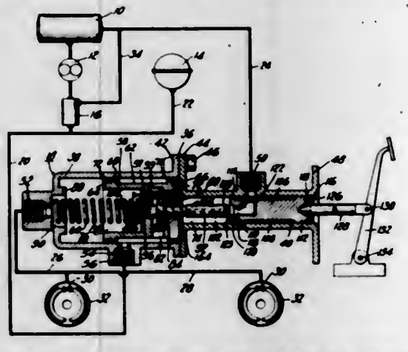


1. A power take-off mechanism adapted to be incorporated in the steering mechanism of an automotive vehicle said mechanism including a casing member, a drive shaft journalled in said casing, a ring gear within said casing, a pitman arm, force transmitting means including a gear member drivably connected with the ring gear and a sector meshing with said gear member and connected to the pitman arm, said force transmitting means interconnecting the pitman arm and ring gear, a plurality of bevel gears in mesh with the ring gear, and means mounted on the drive shaft for selectively driving one or the other of said bevel gears.

2,544,042
HYDRAULIC POWER BRAKE SERVO MECHANISM
George W. Pontius, III, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 9, 1945, Serial No. 598,491
3 Claims. (Cl. 60—54.6)

1. A fluid power unit comprising a cylinder, a piston in the cylinder dividing the same into opposed chambers and normally urged to one end of the cylinder, the chamber in the other end of the cylinder being formed to receive the piston to thereby put fluid in said chamber under pressure, an inlet port in the cylinder, an outlet port in the cylinder normally in communication with

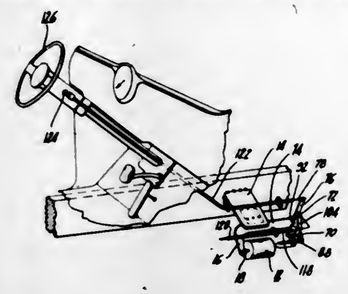
said one end of the cylinder, a working port in the cylinder in continuous communication with the other end of the cylinder, a passage in the piston connecting the outlet port to said one end of the cylinder, operator operated means slidably disposed in said one end of the cylinder and including a sleeve member having a portion extending into said one end of the cylinder and a portion protruding exteriorly of said cylinder, a passage through said sleeve for communicating said one end of the cylinder with the inlet port, valve means for controlling communication between said inlet and outlet ports and said one end of the cylinder and including a valve seat in each passage, a valve member carried by that portion of said sleeve extending into said one end of the



cylinder and having one end formed to engage the valve seat in the passage of said sleeve to thereby cut off communication between said inlet and said one end of the cylinder and the other end of said valve member being formed to engage the valve seat in the passage of said piston, a spring normally urging said valve member onto the valve seat in the passage of said sleeve, and means supported by said sleeve for urging the same in a direction to unseat said other end of the valve member from the seat in the passage of said piston to thereby communicate said outlet port with said one end of the cylinder, said valve member being formed so that equal effective areas are exposed to the outlet port and to the inlet port at all times regardless of the position of said valve member.

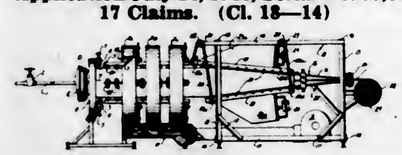
2,544,043
POWER BRAKE CONTROL WITH AUTOMATIC LOCKING MEANS
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 25, 1947, Serial No. 724,453
1 Claim. (Cl. 188—152)

For use in a vehicle having parking brake applying means and means for automatically locking the parking brake applying means in applied position, in combination, a member movable in one direction to actuate the parking brake applying means and movable in the opposite direction to release the automatic locking means, a power device having a piston therein operatively connected with said member to control its movements in both directions, valve means arranged to control operation of said power device and having one position in which one side of the power piston is in communication with air at atmospheric pressure while the other side of the power piston is in communication with a vacuum source and another position in which the condition with respect to air and vacuum communication is reversed, an operator operated member mechanically connected to said valve means to control the same, a reaction element associated with said valve means arranged to exert a force against



said operator operated member proportional to the force exerted by the power piston whenever said power piston is caused to exert applying effort on the parking brake applying means, and means for holding the operator operated member in its actuated position without requiring continued effort from the operator.

2,544,044
APPARATUS AND METHOD FOR PRODUCING GUSSETED PLASTIC TUBING
Clarence G. Reber, Newington, Conn., and Stewart Dalzell, III, Brookline, Mass., assignors to Plax Corporation, West Hartford, Conn., a corporation of Delaware
Application July 14, 1948, Serial No. 38,606
17 Claims. (Cl. 18—14)



8. Apparatus for forming gusseted tubing of thermoplastic material including an annular tubing die, an extruder for continuously extruding thermoplastic material from the annular die in the form of a tube, means for introducing fluid pressure into the tube to inflate successive portions of the tube, means for gusseting the inflated tubing, and means for collapsing the gusseted tubing.

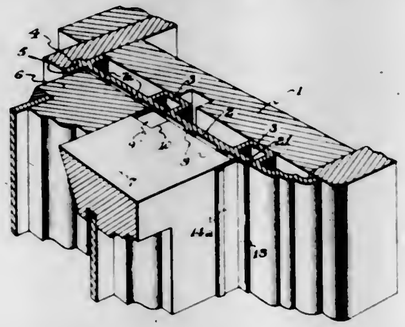
2,544,045
ADJUSTABLE WINDSHIELD VISOR
Howard C. Riemann, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application June 28, 1948, Serial No. 35,539
4 Claims. (Cl. 160—119)



1. In a vehicle windshield visor, a rigid mid-section, an elongated rigid end panel section

overlapping each of the opposite ends of said mid-section, a single fixed pivot swingably connecting the overlapped end of each panel section with the adjacent end of said mid-section midway between the front and rear edges of the sections, said pivots being formed to permit only relative angular displacement of the united sections and to prevent relative longitudinal displacement thereof, a holding bar secured to each of the front and rear portions of said mid-section and being attachable to the adjacent portions of said panel sections to retain the latter in various positions of angular adjustment relative to said fixed pivots, and brackets for mounting the ends of said panel sections remote from said mid-section upon a vehicle.

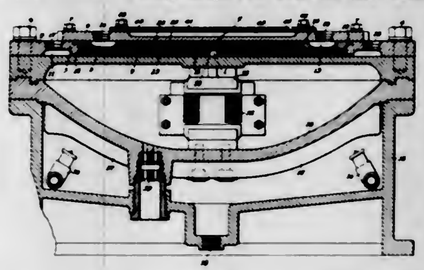
2,544,046
REMOVABLE WINDOW SASH
Roy J. Riley, Tulsa, Okla.
Application February 13, 1947, Serial No. 728,241
4 Claims. (Cl. 20—12)



1. The combination with a window frame, of a sash mounting therefor, said sash mounting comprising a face plate carried by the window frame side in spaced relation thereto, vertically chambered outwardly off-set members carried by the face plate and extending towards the window frame side into engagement with the frame side, said face plate having narrow vertical channels in communication with the interior of the vertical chambered members, and Z-shaped parting and inside strips having one of their flanges engaging the inner faces of the upper and lower sash and the outside face of the lower sash, the other flanges of said Z-shaped strip extending through the narrow vertical channels and into the chambers of the vertically chambered members at points inwardly spaced from the inner faces of the upper and lower sash, said parting and inside strips being hingedly and slidably movable in the vertical slots for insertion of the strips into the channels and positioning the strips out of the path of the sash when the sash are removed from the window frame.

2,544,047
APPARATUS FOR PULVERIZATION AND DISPERSION OF MATERIALS
Thomas Robinson, New York, N. Y., assignor to Lancaster Chemical Corporation, a corporation of New York
Application January 11, 1945, Serial No. 572,379
7 Claims. (Cl. 241—153)

7. Apparatus for treating fluent material comprising spaced parallel walls forming a treating chamber, a flat spiral member interposed therebetween, an inlet and outlet for passing fluent material through said treating chamber, the inlet and outlet being disposed one at the center



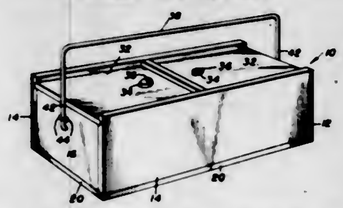
and the other at the periphery of the spiral member and means for producing relative vibratory movement and impact between said walls and spiral member.

2,544,048
HEEL STIFFENING PLATE
Louis Sabo, Astoria, N. Y., assignor to Delman, Inc., New York, N. Y., a corporation of New York
Application November 5, 1946, Serial No. 707,864
2 Claims. (Cl. 36—76)



1. A plate for reinforcing the heel junction with the heel seat of a shoe comprising a thin member of semi-flexible material of less length than the width of the shank of the shoe to which it is to be attached and having at least one aperture therein for cement, the member curved upwardly along the longitudinal axis and curved downwardly along the lateral axis, and having extensions at the ends thereof turned upwardly for attaching the plate to the shoe, the extensions having pointed ends to reduce the pressure required to attach the plate to the shoe.

2,544,049
BAIT BOX
Clifford D. Sawner, Vernon Center, N. Y.
Application July 29, 1948, Serial No. 41,373
1 Claim. (Cl. 43—55)



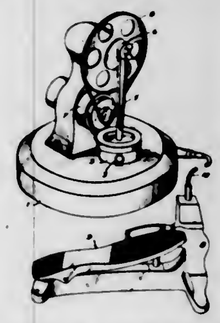
A bait box comprising a receptacle having a foraminous bottom and provided with a plurality of juxtaposed compartments, a pair of outwardly slidable covers on said receptacle, and a substantially U-shaped carrying handle having end portions thereof swingably attached to said receptacle adjacent outer edges of said covers, said outer edges being engageable with the adjacent portions of said handle in a carrying position and said handle preventing outward sliding of said covers.

2,544,050
RETRACTABLE WHEEL LUG
Effner Schnell, Brillion, Wis.
Application March 26, 1949, Serial No. 83,545
2 Claims. (Cl. 301—47)



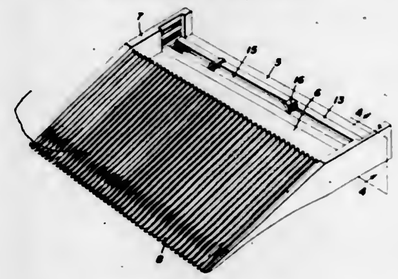
1. In a tractor or other vehicle wheel having a rim and a pneumatic tire carried thereby; a traction attachment comprising a wheel ring secured to the rim, arms extending upwardly from the wheel ring, a tooth carrying ring secured to the arms, traction teeth having legs pivoted to the tooth carrying ring, studs extending from the wheel ring, a rotatable tooth actuating ring having arcuate slots therein engaging the studs of the wheel ring, links connecting the rotatable tooth actuating ring and the legs of the traction teeth, and locking means carried by the tooth carrying ring engaging the tooth actuating ring for holding the tooth actuating ring in two positions, limited by the ends of arcuate slots, whereby the traction teeth are held above the tread of the tire or below said tread.

2,544,051
MACHINE FOR SUPPLYING AIR TO PNEUMATIC RELOOPING TOOLS
Aage Andreas Juul Schou, Copenhagen, Denmark
Application November 10, 1948, Serial No. 59,390
2 Claims. (Cl. 60—52.6)



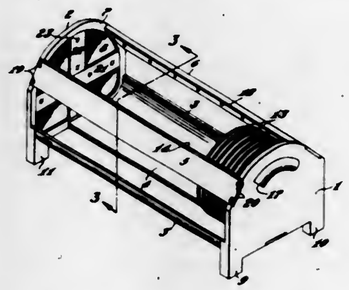
1. A machine for operating relooping tools, comprising in combination, a pneumatically operated relooping tool, a base containing an air pump, an air pipe connecting said pump with said tool, a rod connected with the piston of said pump, a pulley mounted on said base and reciprocating said rod, an electric motor for rotating said pulley, a starting rheostat controlling said motor, a movable lever arm regulating said rheostat, a shutter adapted to cover a duct leading from said chamber to the outside air, a blade spring carrying said shutter, said lever arm influencing the position of said blade spring.

2,544,052
CLIPPER ATTACHMENT
Henry O. Scott, Mitchell, S. Dak.
Application November 9, 1949, Serial No. 126,332
5 Claims. (Cl. 30—201)



2. A hair clipper attachment comprising a frame, teeth projecting from one edge of the frame, a clamp slidably carried by the frame for attaching a clipper thereto for adjustment of the clipper transversely of the teeth, and means securing the clamp in vertically adjusted position on the frame.

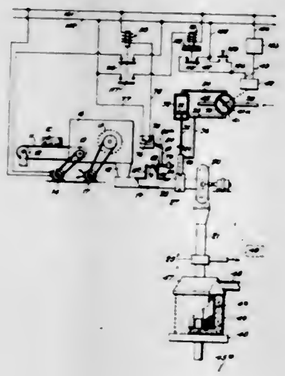
2,544,053
DISH HOLDER
Nathan Sharaf, Brookline, Mass.
Application March 27, 1946, Serial No. 657,503
1 Claim. (Cl. 211—41)



An elongated stacking frame for plates and dishes of substantially the same form comprising end flat plate members having a top arched section and a bottom flat section with a recessed inner face having a portion at least faced with a wood surface, a plurality of slat elements extending lengthwise of the frame forming sides and bottom and being substantially perpendicular to the end plates, said slat elements including three members forming arched sides and bottom supports and having wooden face surfaces at least on the inner face thereof, said frame at the top having an opening between slats of such a size that the plates and dishes adapted to fit and be contained therein must be turned only slightly with respect to the plane of the end

plates to be withdrawn between the top slats, said end plates on the outside having handle elements positioned near the edge of the end plates between the slats forming the openings where the dishes are removed, whereby when the frame is stood on end it will slant slightly backwards from said openings.

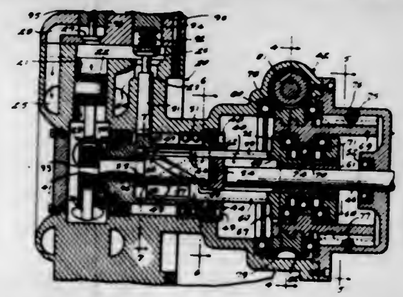
2,544,054
VALVE STRUCTURE AND SYSTEM THEREFOR
Judson P. Smith, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware
Application December 2, 1946, Serial No. 713,603
10 Claims. (Cl. 302—17)



1. Apparatus for conveying solid material in gaseous suspension comprising a conduit arranged for the conveyance of a gaseous suspension of solid material, a valve casing in said conduit having one or more of seating areas for a movable valve member, a movable valve member arranged when in open position to expose said seating areas to solid material being conveyed in said conduit, and means arranged and controlled to provide a supply of gas under pressure greater than that in the conduit in the open position of the valve through said valve casing and past said areas when the valve member is in open position into the conduit whereby the resulting moving stream of gas sweeps solid material away from the said seating areas.

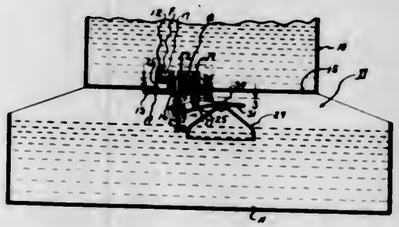
2,544,055
VARIABLE THROW CRANKSHAFT PISTON TYPE RADIAL PUMP
Franklin E. Staats, Keithsburg, Ill.
Application December 11, 1946, Serial No. 715,415
2 Claims. (Cl. 74—600)

1. A variable throw crankshaft construction comprising a housing, a driving shaft rotatably mounted in said housing, a radially extending flange formed on one end of said driving shaft, a hollow tubular coupling member carried by said flange, a driven shaft rotatably mounted in said coupling member and eccentric relative to the axis of rotation of said driving shaft, a crank pin fixed on said driven shaft eccentric to the axis of rotation of the latter, a pair of longitudinally extending helical grooves formed in said driven shaft, a tubular sliding member slidably mounted in said housing, means on said housing engaging said sliding member for preventing rotation thereof, a sleeve about said driving shaft and longitudinally slidable relative thereto, anti-friction bearing means interposed between said sliding member and said sleeve, cooperating means on said sleeve and said sliding member adapted to effect sliding of said sleeve upon sliding of said sliding member, a pair of diametrically opposed parallel arms extending from one end of said sleeve through said flange, inwardly directed



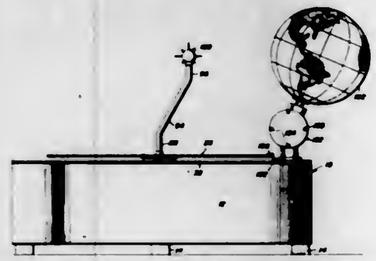
end portions on said arms engaging in said grooves, an external thread formed on said sliding member, an annular worm wheel rotatable in said housing and disposed about said sliding member, internal threads formed on said worm wheel meshing with said first mentioned thread, and a worm gear extending transversely of said housing and meshing with said worm wheel whereby rotation of said worm gear will effect displacement of said crank pin relative to the axis of rotation of said driving shaft.

2,544,056
FLUID PRESSURE CONTROL VALVE
Stephen W. Sterts, Fort Atkinson, Wis.
Application July 14, 1947, Serial No. 760,806
1 Claim. (Cl. 137—104)



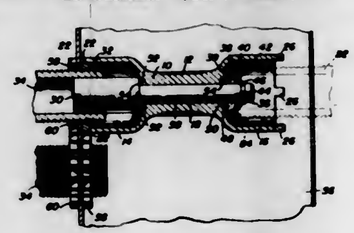
In a float valve for controlling the flow of liquid from a source of supply to a receptacle, a valve casing having a chamber in its upper end, and an axially disposed passageway communicating with the chamber and opening out through the lower end of the casing, said chamber being open at its upper end to the source of supply of the liquid, the wall of the chamber being undercut, a flexible valve disc sprung in the undercut portion of the chamber through the open upper end of the chamber over the passageway and being normally held against the wall of the passageway by fluid, said casing also having an annular groove therein below the chamber and valve disc and a port communicating with the groove and a source of liquid supplied, whereby to create a pressure under said valve disc.

2,544,057
TELLURIAN
Henry M. Vanderhider, South San Antonio, Tex., assignor of fifty per cent to Johnie O. Pierce, Brownsville, Tex.
Application July 7, 1948, Serial No. 37,439
12 Claims. (Cl. 35—45)



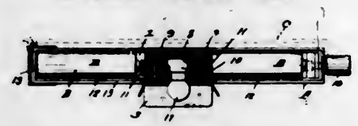
1. A tellurian comprising a cylindrical casing, having an open top, a post vertically mounted in said casing, a rotatable shaft on said post, a disc carried by said shaft and rotatably disposed in covering placement in the top of the casing, a fixed arm extending from said post, a globe representing the sun detachably carried by said arm, a housing held in said disc, a rotatable shafting disposed in the housing, an earth sphere mounted on and revolved by said shafting, power means mounted in said casing, gear training connected between the motor and the rotating shaft and shafting for simultaneously rotating the disc and earth sphere assembly about the sun and for revolving the earth sphere independent of the rotation of the assembly, means for illuminating the sun globe and earth sphere, including a circuit conducting system in said globe arm and earth sphere shafting and inscribed discs for conveying the earth's reactions to the sun carried by the post and shafting.

2,544,058
LOCK NUT TIGHTENING AND CONDUIT REAMING TOOL
Clement H. Watkins, Venango, Pa.; Margaret Watkins, administratrix of said Clement H. Watkins, deceased, assignor to Margaret Watkins, Venango, Pa.
Application January 23, 1948, Serial No. 3,925
12 Claims. (Cl. 7—14.1)



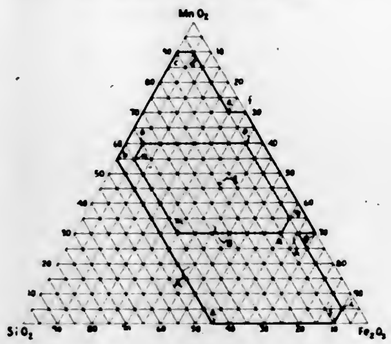
1. A combination lock nut tightener and conduit reamer comprising a body, an elongated member carried by the body and having first and second ends, means at the first end of said member for engaging and supporting the body relative to a conduit, means carried by the body and embracing the first-mentioned means for frictionally engaging a lock nut, and means carried by the second end of said member for reaming a conduit.

2,544,059
FLASHLIGHT
Bertram N. Wickwire, Pelham Manor, N. Y.
Application April 11, 1947, Serial No. 740,740
1 Claim. (Cl. 240—10.6)



A flashlight of the character described, comprising an elongated housing having an open side, an insulating block mounted intermediate the ends of the housing, said insulating block having a lamp socket, a lamp in the lamp socket, contact members extending through opposite ends of the block, the inner ends of the contact members being in circuit with the lamp socket, a battery holding member comprising an elongated member, pairs of spring clips extending from the elongated member, batteries frictionally held within the spring clips, means for removably securing said battery holding member within the elongated housing with the batteries supported thereby in engagement with the contact members, completing a circuit to the socket and lamp, and a pivoted closure movable over the open side of the housing and securing the battery holding member in the housing.

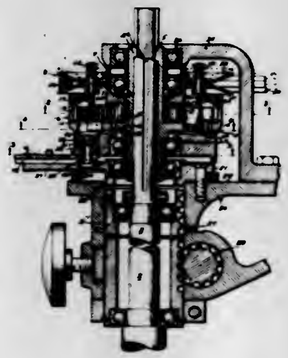
2,544,060
CERAMIC COATINGS AND METHOD OF APPLYING
Charles R. Amberg, Alfred, and Samuel F. Walton, Kenmore, N. Y., assignors to The Exolon Company, Tonawanda, N. Y., a corporation of Massachusetts
Application October 19, 1945, Serial No. 623,282
20 Claims. (Cl. 106—44)



14. The method of producing ceramic coatings for refractory and abrasive articles, which comprises preparing a body mix containing grains of a difficultly wettable refractory material of the group consisting of graphite, silicon carbide, fused alumina and mixtures thereof, incorporating in the body mix a small proportion of a pulverized frit consisting essentially of a reaction product of fused metal oxides, the principal metals contained in said frit being present in such proportions as to be represented, when computed as their oxides SiO_2, MnO_2 and Fe_2O_3, by a point on an SiO_2—MnO_2—Fe_2O_3 triaxial diagram lying within the area enclosed by a poly-

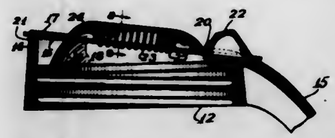
gon the coordinates of the successive vertices of which, naming the oxides in the foregoing order, are: 45–0–55, 45–55–0, 10–90–0, 5–90–5, 5–70–25, 0–70–30, 0–30–70, 5–30–65, 5–5–90, 10–0–90, and the oxygen content of the fritted oxides of said principal metals being substantially less than would correspond to said computed oxides, whereby said frit contains no loosely combined oxygen, incorporating in the body mix a considerably smaller proportion of a wetting agent adapted upon subsequent fusion of said frit to reduce the surface tension thereof with respect to the surfaces of said refractory grains, forming the body mix into the desired shape of the article, and firing the article to fuse said frit on the surfaces of said refractory grains.

2,544,061
SPEED CHANGE DRIVING HEAD FOR POWER-DRIVEN MACHINES
Elson Thomas Barnett, Phoenix, Ariz., assignor to Savage-Barnett Tool Company, Phoenix, Ariz., a corporation of Arizona
Application September 13, 1948, Serial No. 48,985
3 Claims. (Cl. 74—785)



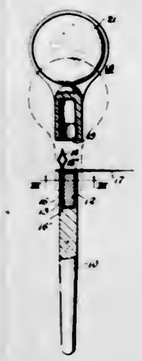
1. A speed change driving unit for drill presses or the like comprising a driven spindle, a driving sleeve having a flange with radially extending lobes forming detaining notches therebetween splined on said spindle, a driving element having a variable speed V belt pulley at its top and a sun gear at its bottom journalled on said sleeve above said flange, a casing having an annular rim at its top with a ring gear on the inner face thereof, journalled on said sleeve below said flange, planetary idler gears journalled on stub shafts on said flange lobes parallel to said spindle, meshing with said sun gear and said ring gear, support frame bearings journalled at each end of said spindle, one of said bearings being adjacent said casing and having a radially extending slide, a pin engaging fork having tines beveled on their bottom faces at its inner end operative in said slide, means for detaining said casing from rotation, or interlocking said casing and said sleeve, comprising a stop pin radially positioned in the lower portion of said casing operative parallel to said spindle axis and adapted to engage in said spindle flange detaining notches when in raised position, a spring urging said pin to raised position, a head on the lower end of said pin engageable by the tines of said fork whereby it may be retracted to lowered position freeing it from said flange notch and restraining said casing from rotation.

2,544,062
DISPENSING CLOSURE TOP FOR SERVERS OR PITCHERS
Rudolph Bernhardt, Chicago, Ill.
Application July 6, 1949, Serial No. 103,310
4 Claims. (Cl. 222—470)



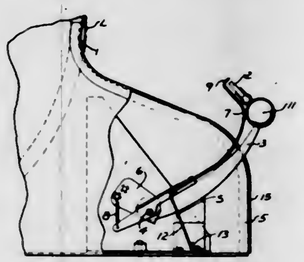
1. In a server, the combination of a receptacle having a threaded neck, a cap having corresponding threads engaging with the neck and having an upwardly extending dome, a pouring spout at one side of the cap, a handle on the other side of the cap, a guideway extending substantially from the pouring spout to the handle, a closure slide engaging with the guideway and having a thumb-piece thereon adjacent to the handle, said slide having an opening at the center thereof with a narrow extension at one end and a tongue at the opposite end, a rectangular projection extending downwardly from the dome and engaging with the slide, a lug on the projection extending downwardly through the narrow extension in the slot, and serving as a stop to limit the forward movement of the slide, a spring of larger diameter than the width of the extension adapted to be inserted through the opening with one end engaging the rear end of the projection and the other end engaging with the tongue and tending to urge the slide to closing position.

2,544,063
NEEDLE THREADER
Joseph B. Biederman, Cincinnati, Ohio
Application July 1, 1949, Serial No. 102,617
3 Claims. (Cl. 223—99)



3. In a needle threader, the combination of an elongated handle member having a magnetic head, a length of wire having a central loop portion and a pair of free ends, means for attaching the free ends of the wire to the head substantially in sidewise abutment with the loop extending outwardly of the handle member, the central portion of the loop having sides normally spaced for receiving an end of a thread, the loop being adapted to be removably extended through the eye of a needle, said magnetic head being adapted to hold the needle upon the substantially abutting portions of the ends of the wire and remote from the central portion of the loop for passing the end of the thread through the central portion of the loop.

2,544,064
TAG HOLDING MEANS FOR LAUNDRY MARKING MACHINES
Philip N. Braun, Syracuse, N. Y., assignor to Textile Marking Machine Co., Inc., Syracuse, N. Y., a corporation of California
Application December 27, 1946, Serial No. 718,879
2 Claims. (Cl. 101—408)



1. In a tag printing machine, a frame; type mechanism carried thereby, a movable platen and a mounting therefor comprising an upright lever pivoted at its lower end to the frame and carrying the platen at its upper end and movable to carry the platen toward and from the type mechanism, a tag holding member comprising a lever mounted on the pivot of the platen mounting lever and having an arm extending forwardly from the pivot in the direction of movement of the platen toward printing position, the tag holding member having a lip overlying a portion of the face of the platen for holding the tags on the face of the platen, a rock arm mounted on the pivot and movable as a unit with the mounting lever, a loaded tension spring between the rock arm and the forwardly extending arm of the tag holding member to bias the tag holding member to press the lip toward the platen.

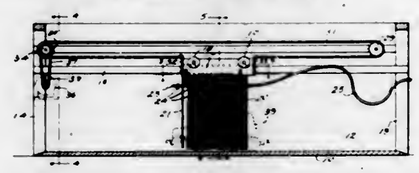
2,544,065
STOCKING ATTACHMENT
Richard E. Carr, Alma, Mich.
Application April 29, 1949, Serial No. 90,457
1 Claim. (Cl. 2—22)

A shin guard or protector comprising an elongated relatively thick pad of a cushioning material adapted to be secured to the inner side of the front portion of a stocking and extending longitudinally thereof for covering the front part of the leg from adjacent the ankle to adjacent the knee when the stocking is in an applied position, said guard being formed of a single strip of sponge rubber and having an inwardly bowed upper end and an inner side which is transversely bowed



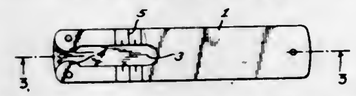
and concave and provided with beveled longitudinal side edges.

2,544,066
MECHANICAL CAR WASHER
Richard H. Chenault, Lexington, Ky.
Application December 5, 1947, Serial No. 789,835
5 Claims. (Cl. 15—97)



1. A mechanical car washer comprising an elongated horizontal compartment having an open end through which a vehicle to be washed can be driven, a trackway mounted on each of the inner side walls of the compartment adjacent the top and longitudinally thereof, a wheeled framework adapted to travel longitudinally in the compartment on said trackways, a plurality of curtain-like mops carried by the framework and depending from each side and at least one end thereof to adjacent the bottom of the compartment, a water supply pipe carried by the framework, and a series of nozzles carried by the pipe and directed at the outer sides of the mops.

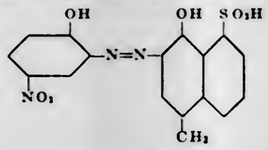
2,544,067
TEMPLE SHAPING TOOL
Stanley E. Collinson, New York, N. Y., assignor to Newport Optical Mfg. Co., Inc., Brooklyn, N. Y.
Application November 25, 1949, Serial No. 129,314
3 Claims. (Cl. 81—3.5)



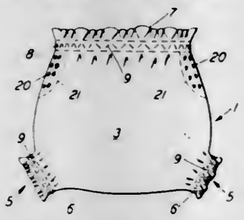
1. A tool for shaping spectacle temples comprising an elongated member having a recess in one face extending axially from and open at one end of the member, the side walls of the recess having opposed inward rounded projections at the open end and the walls back of said projections being parallel.

2,544,068
CHROMABLE AZO DYESTUFFS
Achille Conzetti and Guido Schetty, Basel, Switzerland, assignors to J. R. Geigy A.-G., Basel, Switzerland, a Swiss firm
No Drawing. Application December 19, 1945, Serial No. 636,062. In Switzerland December 21, 1944
8 Claims. (Cl. 260—150)

8. The complex chromium compound of an azo dyestuff corresponding to the formula

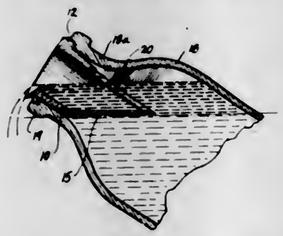


2,544,069
VENTILATED INFANT'S GARMENT
Henry H. Cutler, Lakeside, Mich., assignor to H. H. Cutler Company, Grand Rapids, Mich., a corporation of Michigan
Application April 24, 1950, Serial No. 157,661
4 Claims. (Cl. 128—287)



1. A ventilated, infant's garment comprising: a body member having a waist opening and leg openings; the walls of said body member defining groups of openings through the upper portion of said body member; a dam mounted to the inside of said garment for covering each of said groups of openings; means for attaching the top and a substantial portion of each of the sides of said dam to said garment.

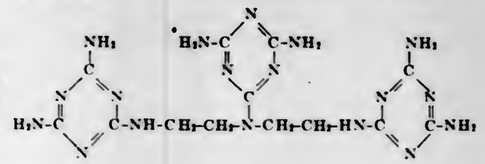
2,544,070
CREAM SEPARATOR AND POURING SPOUT
Theodore H. Daniels, Seattle, Wash.
Application January 4, 1949, Serial No. 69,215
2 Claims. (Cl. 210—51.5)



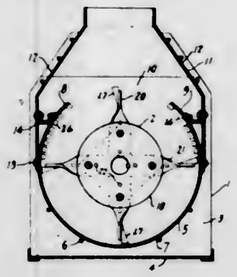
1. A device of the character described comprising a tubular spout adapted to be extended into a milk bottle through the neck opening thereof and designed at its upper end to form a liquid-tight fit with the bottle rim; said tube being open at its outer end and terminating at its inner end in a steep bevel and closed at that end by a correspondingly sloped end wall; and said tube having a longitudinal opening of substantial length along its lower end portion and at the longer side thereof extending upwardly from the tip of the tube.

2,544,071
DIETHYLENETRIMELAMINE AND METHOD OF PREPARING THE SAME
James R. Dudley, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 30, 1947, Serial No. 725,253
4 Claims. (Cl. 260—249.6)

1. Diethylenetrimelamine, the formula for which is

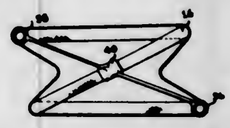


2,544,072
ROTARY CENTRIFUGAL PULVERIZER WITH INTERMESHING KNIVES ON ROTOR AND STATOR
John Dutra, Jr., Modesto, Calif., assignor to Lola Miller, Modesto, Calif.
Application January 19, 1948, Serial No. 3,019
2 Claims. (Cl. 241—186)



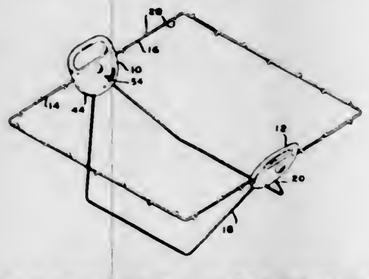
1. In a feed mill for shredding roughage or the like, a housing having a cylindrical wall with a gap in the circumference to form a discharge opening and having spaced end walls, with the cylindrical wall extending from one end wall to the other and with an intake opening located centrally in one of the end walls, means for feeding roughage toward the intake opening, an impeller mounted axially in the housing and having means for gripping roughage and for discharging the same centrifugally, spaced knives projecting from the inside of the wall, and radially disposed, transverse blades mounted on the impeller to pass just inside of and in close proximity to the knives for thrusting the roughage toward the latter so as to break up the roughage by impact, the blades having knives projecting therefrom in overlapping relation with the former knives and adapted for passing between the latter knives for tearing and removing strands of roughage too tough to break in response to impact.

2,544,073
HOSE FOR DISPENSING PUMP AND MEANS FOR SUPPORTING A LOOP THEREIN
Earl E. Eickmeyer, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 8, 1948, Serial No. 1,096
7 Claims. (Cl. 138—61)



1. In combination with a dispensing pump, a flexible dispensing hose, and means yieldably supporting at least the middle part of said hose in a coil comprising a rubberlike shroud enclosing the said coil and secured to the parts of the hose extending away from said coil.

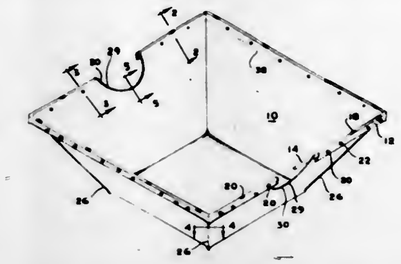
2,544,074
COLLAPSIBLE FRAME FOR UTILITY BASKETS
Walter Ernst, Mount Gilead, and Frank E. Bonner, Dayton, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application December 7, 1946, Serial No. 714,842
8 Claims. (Cl. 150—49)



1. In a utility basket; a first frame member shaped into a flat loop and forming the upper rim of the basket; a pair of other members pivoted to opposite points on said first member and normally extending downwardly therefrom to provide supporting legs for the basket; handle means on said first frame member and engageable with said other members for relatively moving said other members about their pivotal connection from an open position of the basket into a substantially flat position; and releasable latch means comprising mechanism for establishing an interlock between said other members and said handle means to retain said members in either their open or flat position.

2,544,075
BASKET FRAMEWORK LINING AND BLANK THEREFOR
Walter Ernst, Mount Gilead, and Frank E. Bonner, Dayton, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application December 7, 1946, Serial No. 714,844
5 Claims. (Cl. 150—49)

2. A blank adapted for being shaped into a frustum of a pyramid for use as a lining for a collapsible basket and comprising; a generally rectangular sheet of flexible material; a reinforcing strip of tear resistant material secured along the edge of said blank; said blank having triangular cut-outs at each corner thereof and extending part way toward the center thereof;

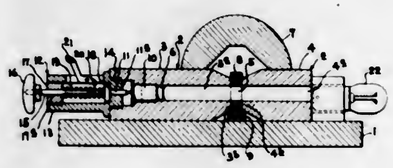


means for supporting loads placed in said lining comprising reinforced eyelets along the periphery of the blank extending through said reinforcing strip; and releasable fastener means secured along the periphery of said lining and also extending through said strip.

2,544,076
QUATERNARY AMMONIUM SALTS OF DI- AND TRI-(DIALKYLAMINOALKOXY)-BENZENES
Ernest Fourneau, Paris, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France
No Drawing. Application June 21, 1948, Serial No. 34,349. In France July 2, 1947
6 Claims. (Cl. 260—567.6)

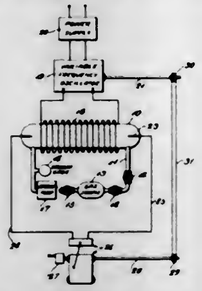
1. A quaternary lower alkyl iodide of a compound containing a benzene nucleus substituted solely by a number greater than one and less than four of substituent groups each of which is a di-lower-alkyl aminoalkoxy group.

2,544,077
PROJECTILE-ACTUATED SURGE GENERATOR
Charles B. Gardner, Troy, N. Y.
Application July 24, 1948, Serial No. 40,558.
4 Claims. (Cl. 171—209)



1. A surge generator embodying, in combination, a magnet, a surge coil arranged within the field of the magnet to cause the magnetic lines of force of the magnet to thread the coil, a projectile having ferromagnetic and non-ferromagnetic parts disposed alternately therein and movable through the coil at a speed which, because of the rapid changes of the magnetic flux threading the surge coil, will generate electric impulses or surges of sufficient voltage to be capable of use in actuating an electrically-actuatable element.

2,544,078
RADIO-FREQUENCY SPECTROMETER
Clarence I. Glassbrook, Glen Echo Farm, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 7, 1946, Serial No. 652,770
6 Claims. (Cl. 175—183)



1. A method of chemical analysis that comprises subjecting material to be analyzed in gaseous form, to radio frequency electromagnetic radiations, measuring direct current flow between electrodes which contact the material at spaced points, varying the frequency of said electromagnetic radiations and correlating the variations in the said frequency with the variations in direct current flow to produce an indication of the composition of the gas.

2,544,079
SILAHYDROCARBONS
John T. Goodwin, Jr., Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application March 19, 1949, Serial No. 82,473
5 Claims. (Cl. 260—448.2)

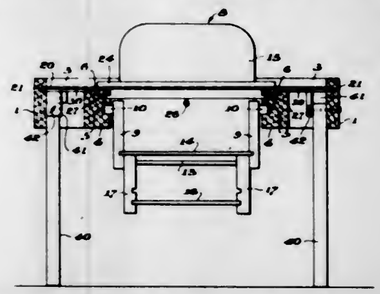
1. Compounds of the general formula

$$R(SiR_2CH_2)_nSiR_3$$

in which each R represents a radical of the group consisting of methyl and phenyl and which compound contains both methyl and phenyl radicals and n is a positive integer of at least one.

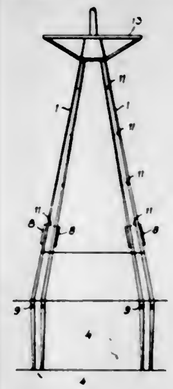
2,544,080
COMBINED TABLE AND CHAIR FOR INFANTS
Jarl Albert Gustafson, Carmen Joseph Caligiuri, and Joseph John Kumza, Pittsburgh, Pa., assignors, by mesne assignments, to Glenn E. Hilliard, Brackenridge, Pa.
Application August 29, 1947, Serial No. 771,300
6 Claims. (Cl. 155—123)

1. A combined table and chair for infants, comprising a substantially rectangular horizontal frame, legs at the corners of the frame, a pair of spaced parallel rails spaced from the sides of the frame and having their ends connected to the front and back of the frame, the inner side of each rail being provided with a groove extending lengthwise thereof and with a recess extending from the top of the rail to the groove, a top panel mounted in the frame and slidable forward therein, a portion of the rear edge of the panel being cut away to provide a central opening between the rails, said top panel being made of a unitary sheet of substantially U-shape, and a chair below said opening having lateral projections extending from its opposite sides into the said rail grooves for slidably supporting the chair between the rails, the chair being slidable forward and removable from the table from above



by lifting its lateral projections through said rail recesses.

2,544,081
SHIP DERRICK MAST
Alf Eskil Hallén, Göteborg, Sweden
Application November 14, 1946, Serial No. 709,721
In Sweden November 24, 1945
7 Claims. (Cl. 114—90)

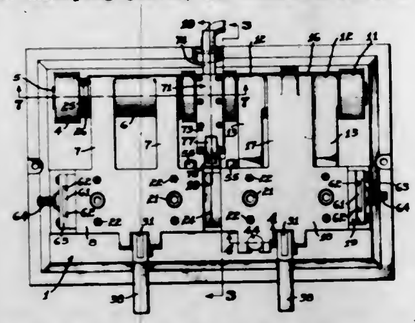


2. The combination with a decked ship of a bipod derrick mast, said mast being substantially self-reinforcing and consisting of two tubular poles disposed in a substantially vertical athwartship plane, said poles being inclined toward and meeting one another at the upper ends thereof, means rigidly interconnecting the upper ends of said poles, the lower portions of said poles extending through at least one deck of said ship and being rigidly connected to the ship structure, and each said pole being oblong in transverse section with the major axis extending substantially fore and aft and being tapered in the upward direction.

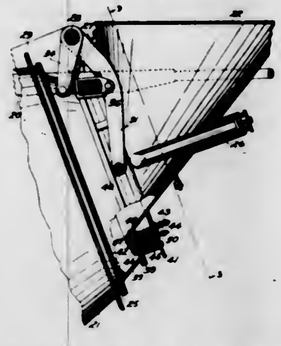
2,544,082
FILM SPLICING MACHINE
Benjamin W. Hancock and Joseph B. Maier, Pacoima, Calif., assignors to Maier-Hancock Corp., Pacoima, Calif., a corporation of California
Application August 11, 1947, Serial No. 767,954
5 Claims. (Cl. 154—42.1)

2. A film splicing machine, comprising: a base structure including horizontal journal means, and a fixed clamping plate mounted forwardly

of said journal means; a clamping plate carried by said journal means and movable between a lowered position coacting with said fixed plate and a raised position; said fixed clamping plate protruding axially beyond said movable clamping plate and forming a transverse shelf adapted to be covered by a strip of film secured between said clamping plates; an emulsion scraper including a lever carried by said journal means pivotal about a horizontal axis, an extensible scraper arm carried by said lever and having a scraping tool, said tool adapted to be drawn across said shelf to scrape the emulsion on a film covering said shelf; and means for regulating the movement of said lever to predetermine the depth of scraping cut made by said tool.

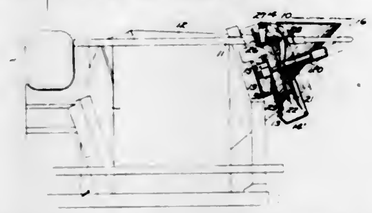


2,544,083
APPARATUS FOR CHARGING AND DISCHARGING CONCRETE MIXERS
Roy M. Hawkins, West Allis, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 27, 1947, Serial No. 794,150
1 Claim. (Cl. 259—161)



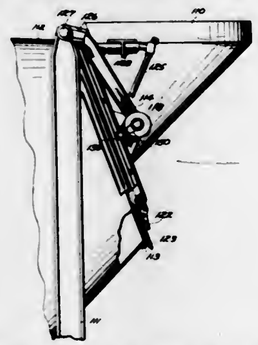
Charging apparatus for a rotatable mixing drum having an annular, axial opening at one end and comprising a movable charging hopper having an annular surface at its discharge end, means holding the hopper against rotation during charging operations, means supporting the charging hopper enabling movement toward and away from the drum, an annular closure member journalled on the annular surface of the charging hopper arranged to engage the drum opening and to rotate with the drum when the hopper is in charging position, said closure member having an annular track on its external surface, thrust elements engaging said track on either side of the hopper, and means for actuating the thrust elements to force the closure member into engagement with the drum and to provoke rotation of the closure member when the closure member is in engagement with the rotating drum.

2,544,084
APPARATUS FOR CHARGING AND DISCHARGING CONCRETE MATERIALS
Louis G. Hilkemeier, Greenfield, and Roy M. Hawkins, West Allis, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 12, 1948, Serial No. 1,743
4 Claims. (Cl. 259—161)



1. In combination with a rotatable mixing drum mounted on a frame and having an opening in the end thereof, supporting members disposed substantially on a diameter of said drum opening and projecting outwardly from said frame, a hopper for directing materials into said drum, a rotatable closure member on said hopper, receiving means mounted on said hopper for cooperatively registering with said supporting members, actuating means to move said hopper away from said drum, said actuating means comprising spaced parallel annular members on the closure ring, a lever having projections arranged to slideably fit between said spaced members, and means to actuate said lever whereby the hopper and closure ring may be uniformly displaced axially of said drum.

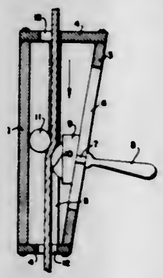
2,544,085
APPARATUS FOR CHARGING AND DISCHARGING CONCRETE MATERIALS
Louis G. Hilkemeier, Greenfield, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 29, 1948, Serial No. 5,113
5 Claims. (Cl. 259—161)



1. In a transit concrete mixer, a drum rotatably mounted on an inclined axis and having its rear elevated end open; a charging hopper; a stationary frame pivotally mounting the charging hopper to swing toward and from the elevated

open end of the drum; a sealing member carried by the charging hopper and engageable in sealing relationship with the mouth of said drum when the charging hopper is in its lowered position; means for swinging the charging hopper upwardly away from the open end of the drum to enable discharge of the drum contents, said means further comprising actuatable lost motion linkage connected to the hopper; means for urging said sealing member into sealing relationship with the mouth of said drum, said means being attached to said swinging means and arranged to exert the force necessary to seal the drum through the sealing member.

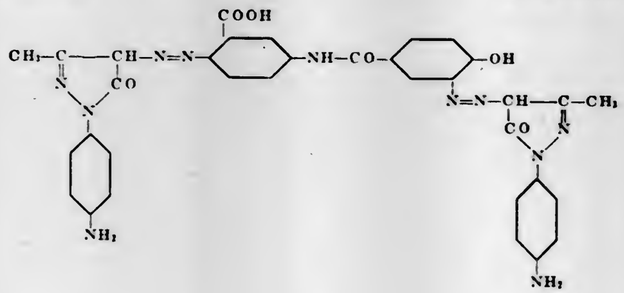
2,544,086
WEDGE TYPE STRAND BRAKE WITH COCKING ENGAGEMENT
Sanford W. Herrington, Velasco, Tex.
Application December 24, 1946, Serial No. 718,177
2 Claims. (Cl. 24—136)



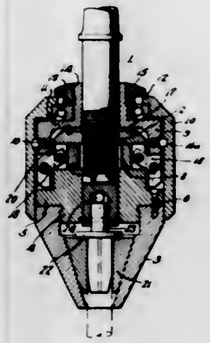
1. Gripping device for controlling a rope or cable comprising a housing having a through passage for a cable, said housing formed with oppositely disposed interior guide rails extending parallel with the passage, and opposed faces, one parallel with said guide rails, the other inclined to constitute a cam surface, a friction roller freely slidable between the guide rails and the parallel face of the passage, and a frictional cam member slidable between the rails and the inclined cam face for the purposes specified.

2,544,087
POLYAZO DYESTUFFS
Peter Hindermann, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application September 7, 1948, Serial No. 48,157. In Switzerland September 15, 1947
6 Claims. (Cl. 260—160)

2. A polyazo dyestuff corresponding to the formula



2,544,088
DRILL CHUCK
Albert Charles Hollis, Watford, England
Application February 25, 1947, Serial No. 730,675
In Great Britain January 31, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 31, 1965
1 Claim. (Cl. 279—60)



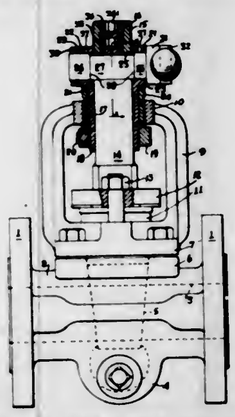
A drill chuck comprising in combination a chuck spindle, a chuck body with a hollow tapered nose supported by the spindle which extends down into the nose, elements forming a split nut threaded for co-operation with a threaded portion of the chuck spindle and housed for radial movement in apertures in the upper part of said chuck body, a hood member encircling the upper part of the chuck body and slidable over the chuck spindle, links pivotally connected to the nut elements and the hood, so that axial displacement of the hood effects expanding or contracting movement of the nut elements, a sleeve concentrically encircling and coupled to the hood, an anti-friction bearing between the hood and sleeve which are arranged to rotate together by reason of light frictional engagement therebetween, a coil spring encircling the chuck spindle and extending between the hood and chuck body normally to maintain them in the position in which the nut elements engage the chuck spindle, a set of floating spring-expanded tapered jaws in the nose of the chuck body, a pressure plate bearing upon the jaws to hold said jaws in closing contact with the chuck body nose, said plate having a stem which enters a hollow in the lower extremity of the chuck spindle, and an anti-friction bearing ball between the end of the pressure plate stem end and the end of the chuck spindle hollow.

2,544,089
MEANS FOR OPERATING CONTROL ELEMENTS, SUCH AS ELECTRIC SWITCHES, IN A SELECTED MANNER
William Francis Horgan, New Malden, England
Application December 27, 1945, Serial No. 637,418
In Great Britain January 9, 1945
11 Claims. (Cl. 287—53)



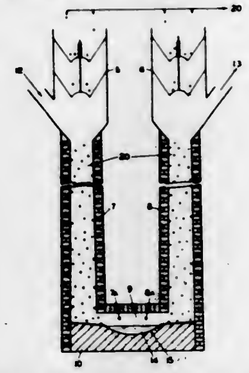
10. In an assembly comprising a shaft, an abutment fixedly located on the shaft, an axially resilient combination of a selected number of elements with at least one spacer, and means whereby the said combination may be slid axially on the said shaft against the abutment with each element positively orientated angularly with respect to the shaft, the provision of readily releasable means for retaining the said element and spacer combination on the shaft comprising a locking member engageable with the shaft by motion relative thereto in a predetermined direction, and latching means for preventing reverse motion of the locking member relative to the shaft, which latching means is rendered operative by axial expansion of the said element and spacer combination.

2,544,090
PLUG VALVE
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application June 24, 1944, Serial No. 541,859
6 Claims. (Cl. 251—97)



2. A valve for controlling the flow of fluid through a coupling, said coupling being provided with a main passageway and an angularly positioned bore communicating therewith, a plug within said bore adapted to rotate, a passageway extending laterally through said plug and adapted to register with the coupling passageway when the plug is rotated, a stem on said plug, a support for said stem and secured to said valve, said stem terminating in a bored portion having threads, a nut engaging said threads, a horizontal opening through said stem and a cam rod extending through said opening in contact with said nut, said rod being journaled in said support whereby as the rod is rotated in one direction pressure is produced against said nut to elevate the stem and when the rod is rotated in the other direction pressure is exerted against said stem to lower the plug into its seat.

2,544,091
METHOD OF MELTING
James Fernando Jordan, Huntington Park, Calif., assignor to Jordan Research Laboratory, Inc., Huntington Park, Calif., a corporation of Nevada
Application May 10, 1948, Serial No. 26,100
3 Claims. (Cl. 263—52)

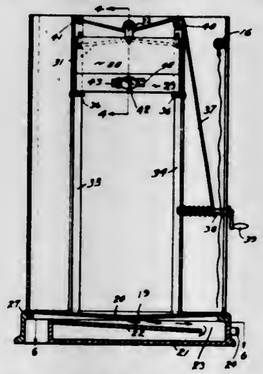


1. In the reversing regenerative melting process of the class described wherein two loosely-packed columns of the material that is to be melted at the bases thereof are preheated while being alternately employed to accumulate waste heat from and return said waste heat to the combustion chamber that connects said columns at said bases, the method of operation, which comprises: preheating a gaseous component of the combustible mixture that is to be burned within said combustion chamber by flowing said gaseous component down through one of said columns; mixing substantially all of the components which comprise said combustible mixture after said gaseous component has emerged from the base of the preheating column and has entered said combustion chamber; burning substantially all of the resulting combustible mixture out of contact with said columns, by burning substantially all of said combustible mixture within said combustion chamber; melting the unmelted material that forms the base of the other column by flowing the hot combustion gases from said combustion chamber into the base of and then up through said other column; and removing the melted material from the base of said other column by flowing said melted material into said combustion chamber.

2,544,092
PORTABLE SHOWER BATH
Rodney Karlson, Girard, Ohio
Application February 26, 1947, Serial No. 731,013
1 Claim. (Cl. 4—151)

In a shower bath a cross sectionally square enclosure having an access opening at one side, a source of water supply therein comprising a tank, the said tank being movable vertically on one wall of the said enclosure, vertical rails on the said wall for guiding said tank and oppositely disposed inwardly projecting pins on said rails

intermediate their ends for registry with the bottom of the said tank, and a pair of downturned hooks on said rails near their upper ends and spaced with respect to the said oppositely disposed pins a distance corresponding with the height of



the said tank, said downturned hooks engageable in the upper end of the said tank when the same is positioned on the said pins, and means for elevating the said tank into position on the said pins and in registry with the said downturned hooks.

2,544,093
DEODORANT COMPOSITIONS
Lowell B. Kilgore, Washington, D. C., assignor to Kilgore Chemicals, Inc., Washington, D. C., a corporation of Delaware
No Drawing. Application April 20, 1948, Serial No. 22,242
8 Claims. (Cl. 167—22)

1. A deodorant composition comprising a solution of an ester having the general formula:

$$CH_2=C(R)-COOR'$$

wherein R is a radical selected from the group consisting of hydrogen and an alkyl radical of low molecular weight and R' is alkyl containing at least 8 carbon atoms, dissolved in an inert, non-polar organic solvent, said solution being incorporated into a miscible, non-gaseous propellant agent which is maintained in said non-gaseous state at normal temperatures by the application of pressure.

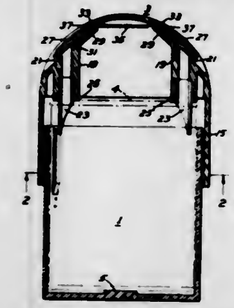
2,544,094
HYDRAULIC PUMP
Robert B. Knowles, Maywood, Calif.
Application April 19, 1947, Serial No. 742,495
5 Claims. (Cl. 103—46)

1. In a fluid motor means adapted for use in a well-pumping apparatus including a production pipe provided with a working barrel at its lower end and a pressure tubing within the production pipe, the combination of: means including a check valve for holding the lower end of the pressure tubing spaced above the lower end of the production pipe; a piston movably positioned in the production pipe below the end of the pressure tubing, an upwardly extending yoke from the piston, a hollow tubular rod connected to the yoke, and a plunger carried by the rod and slidable within the lower portion of the pressure tubing; an axial chamber within the piston; ports connecting the upper end of the chamber with the space within the production pipe; lower ports connecting the space within the production pipe below the body of the piston with the chamber; a valve seat within the chamber and between said ports; a movable shuttle valve within the chamber and below said seat, said shuttle valve being



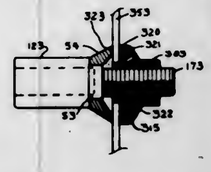
movable between a seated position upon said seat to a position below the lower ports; and passageways in the yoke and piston connecting the pressure tubing with the axial chamber below the lower position of said shuttle valve.

2,544,095
CAN OPENER AND DISPENSER
Eugene Kower, Piedmont, Calif.
Application January 20, 1947, Serial No. 723,062
5 Claims. (Cl. 222—83.5)



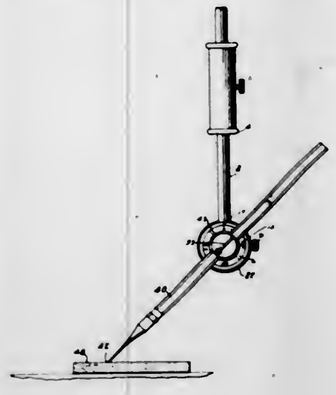
2. A can opener and dispenser comprising means for holding a can, said means including a receptacle having a columnar cammed outer side wall surface and a plurality of centering springs mounted on the inner side wall surface; and means for closing the upper end of said receptacle, said means including a cover having a depending apron with a columnar cammed inner side wall surface complementary to the columnar cammed outer side wall surface of said receptacle to permit wedging of said cover on said receptacle in response to relative rotation of the same with respect to each other, a pair of vertical pouring spouts, each terminating at its lower end in a depending tapered perforating tube of circular section, a hingedly mounted cap for each of said spouts, and a spring under tension having its ends connected to said spout caps above the hinge axes thereof.

2,544,096
MOTOR ARBOR
Myron P. Laughlin, Gulfport, Fla.
Application July 23, 1947, Serial No. 762,919
4 Claims. (Cl. 51—168)



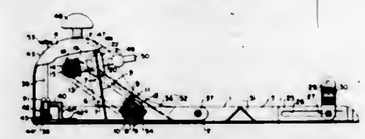
1. An arbor clamp for tools including a spindle, a tool centering cone, a relatively soft flowable rubber disc, a cup-shaped washer for receiving the disc having inner surfaces radial to and coaxial with the spindle, and means for moving the washer towards the tool, whereby pressure applied to the washer and the disc will cause the soft rubber of the disc to engage the cone and flow radially into contact with the spindle and radially and axially around said cone and into contact with the tool.

2,544,097
PARALLELOMETER CHUCK
John A. Lentz, Phoenix, Ariz.
Application August 5, 1946, Serial No. 688,479
6 Claims. (Cl. 51—218)



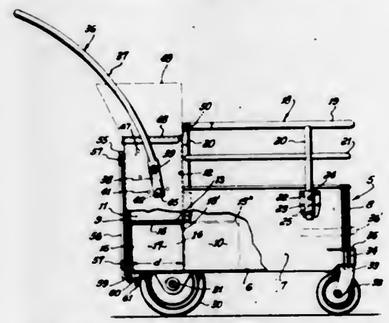
4. A chuck for holding dental instruments, comprising in combination, a cylindrical case having a closed end and an axially positioned tightening screw retained therein, a thimble retained and rotatively operative therein having diametrically positioned V notches in an integral collar rim thereon adapted to support the flats of polygonal handled instruments; a clamping element axially operative in said thimble, cooperative with said tightening screw, and having a transverse opening in its outer end adapted to receive an instrument handle and yieldable rotative positioning means between said clamping element and said thimble; rotative position indicating means intermediate said thimble and said case; a set screw in said case operative on said thimble; and a supporting stem attached to said case and extending radially therefrom.

2,544,098
POWER ACTUATED HAND PLANE
Henry Thomas Libby, Somerville, and Donald Griffin Pearson, Medford, Mass.
Application April 17, 1946, Serial No. 662,762
2 Claims. (Cl. 144—117)



1. A power actuated hand plane comprising an elongated body having a bottom portion to rest on the work and provided with a cutter-receiving opening, said body having upstanding sides, each of which is formed at the front end thereof with a wide wing extension, a rotary cutter operating in said opening, cutter-supporting means by which the cutter can be adjusted vertically, an upstanding shaft-supporting plate extending from one wing extension to the other and rigidly secured to both, said plate being located in front of the cutter-receiving opening, a shaft bearing carried by said plate, a drive shaft journaled in said bearing and extending through said plate and substantially longitudinally of the body, said shaft having a free rear end on the rear side of the plate, a horizontal shaft journaled in said wing extensions and located on the front side of the plate, gearing operatively connecting the front end of the drive shaft to the horizontal shaft, a sprocket chain driving connection between the horizontal shaft and the cutter, the sprocket chain of which extends forwardly through the upstanding plate and inclines upwardly from the rotary cutter at a relatively small angle to said bottom portion, whereby the tension on the sprocket chain is not appreciably affected by the vertical adjustment of the cutter, and means for removably mounting on the body at the rear end thereof an electric power unit having provision for detachably coupling it to the free end of said drive shaft.

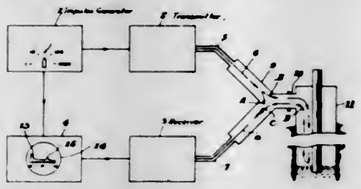
2,544,099
CHILD'S CART
Chester G. Malin, Glendale, Calif.
Application July 2, 1946, Serial No. 680,938
5 Claims. (Cl. 280—47)



1. In a child's cart of the character described, the combination of: a body having a bottom wall, a side wall structure extending upwardly therefrom so as to form a child's compartment, and a wall defining an accessories chamber rising above

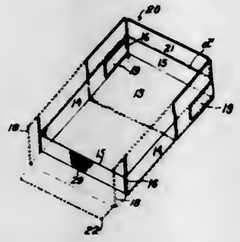
the upper edge of said side wall structure at one end of said compartment, there being a partition between said compartment and said chamber; an open work guard extending from the upper part of said accessories chamber around the upper edge of said side wall structure; supporting means secured in a position below said body, enabling it to be moved along a supporting surface; pivot means on the sides of the upper part of said accessories chamber; a handle swingable on said pivot means from an operative position projecting from said accessories chamber upwardly and over said body to a retracted position at the end of said cart opposite from said accessories chamber; and lock means for retaining said handle in said operative position.

2,544,100
APPARATUS FOR MEASURING DISTANCES WITHIN BORES
John Evans Miller, Dallas, Tex.
Application September 24, 1948, Serial No. 51,081
2 Claims. (Cl. 343—13)



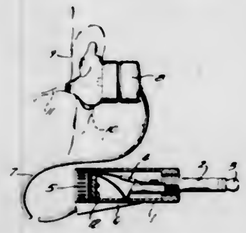
1. Apparatus for measuring the distance from a point within a circular bore to a termination of the bore consisting of a reflecting surface for radio frequency radiation, said apparatus comprising transmitting means for generating pulses of radio frequency radiation of a wave length which may be set to less than 1.73 times the minimum diameter of the bore at its most restricted point, receiving means for said pulses, a substantially tubular wave guide providing a wave path from the transmitter to the bore and back from the bore to the receiver and providing a wave path from the transmitter substantially directly to the receiver, and means for indicating the difference in the time taken for the radiation to follow each said path.

2,544,101
BOX
John H. Oxley, Watertown, Mass.
Application July 24, 1946, Serial No. 685,813
1 Claim. (Cl. 229—23)



A box comprising an outer element made from thin flat transparent synthetic thermoplastic sheet material and comprising a one-ply bottom wall panel bordered throughout its perimeter by relatively perpendicular two-ply side walls; means coupling together the ends of said side walls at each corner of the box, and an inner ornate opaque lining element of paper closely fitted within and throughout the interior of said outer element so that it is exposed to view through the latter, said inner lining element comprising a flat middle panel bordered by relatively perpendicular one-ply side walls which are incorporated within the two-ply side walls of the outer transparent element directly between the plies thereof, each side wall of said outer element comprising an outer one-ply panel provided at its top with an integral inturned re entrant one-ply marginal flap extension disposed flatwise against the inner face of the side wall of the lining element so that the latter is fixedly enclosed and held by the two plies of the side wall of said outer element.

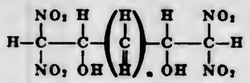
2,544,102
RECEIVING APPARATUS FOR RADIO SIGNALS
Richard L. Pease, Wauwatosa, Wis.
Application August 31, 1949, Serial No. 113,330
1 Claim. (Cl. 179—1)



A combined plug and volume control rheostat comprising an insulating hollow body portion provided with a conducting sleeve and knob projecting forwardly from one end of the body portion, a volume control rheostat closing the other end of the body portion and including a control knob rotatable about the longitudinal axis of said plug, said plug being cylindrical and control knob being of approximately the same diameter as said plug, and a conducting cord extending rearwardly from the body portion, said rheostat being electrically interposed between the cord and the sleeve and knob.

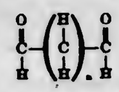
2,544,103
TETRANITRODIOLS AND METHOD OF PREPARING SAME
Herman Plant, Los Angeles, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
No Drawing. Application January 22, 1949, Serial No. 72,259
8 Claims. (Cl. 260—635)

1. A new composition of matter comprising a tetranitrodiol having a general formula



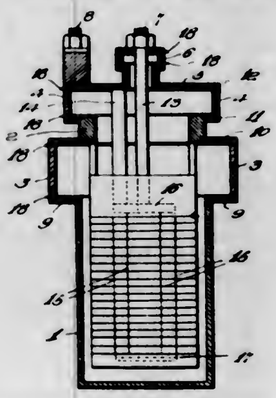
in which n may be a whole number from zero to 2, inclusive.

6. A process for synthesizing tetranitrodiol which comprises reacting a salt of dinitromethane with a dialdehyde having the general formula



in which the value of n may be a whole number from zero to 2, inclusive, acidifying the mixture of the dialdehyde and dinitromethane salt with a strong acid selected from the group consisting of sulphuric acid and hydrochloric acid, extracting the tetranitrodiol with a solvent, removing the solvent and collecting the tetranitrodiol as a residue.

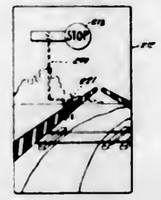
2,544,104
ELECTRIC DISCHARGE VALVE
Maurice Ponte, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
Application November 27, 1946, Serial No. 712,475
In France April 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 1, 1961
6 Claims. (Cl. 250—27.5)



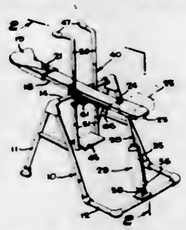
1. A demountable sealed vacuum tube having a permanent vacuum, comprising a vacuum-tight envelope, a plurality of electrodes enclosed thereby each supported by a metallic sleeve forming part of the vacuum-tight envelope, the longitudinal section of said sleeves being substantially in the shape of a U having its sides turned toward the exterior of the tube, the said metallic sleeves alternating with cylindrical sleeves of insulating material placed between the external flanges of the U-shaped sides of two successive sleeves to which they are connected along their peripheral edges, the groups of said sleeves being mounted concentrically and in stepped arrangement.

2,544,105
OSCILLATING DISPLAY DEVICE
Frederick A. Quick, Bellerose, N. Y., assignor to Gregory Meters, Inc., Brooklyn, N. Y., a corporation of New York
Application October 20, 1944, Serial No. 559,575
1 Claim. (Cl. 40—52)

In a display device, a support, a motor fixedly mounted thereon, an oscillated member actuated by the motor, a placard supported vertically in front of the motor, a swinging member pivoted on the placard, said member having a part extending forwardly of the placard and carrying a display object to be animated, said member having a rear portion having an open-ended loop fitting over the oscillated member to establish a driving connection between said oscillated member and the swinging member on which the loop is formed and to permit the placard to be lifted away from the support as a unit with the swinging member and the object carried by it, without disturbing the motor or requiring a change in the position of the same upon the support.



2,544,106
ONE PERSON SEESAW
Harry S. Ray, Hollywood, Calif.
Application October 1, 1948, Serial No. 52,209
4 Claims. (Cl. 272—55)

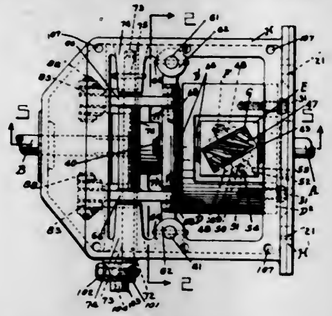


1. In combination with a seesaw having an oscillatable seat-carrying horizontal member, a vertical member pivotally mounted at the fulcrum of the seesaw independently of the horizontal member, the vertical member extending below the fulcrum of the seesaw and providing a footrest at the lower end thereof on which the feet of the rider may be placed and the vertical member extending above the fulcrum of the seesaw providing holds adapted to be grasped by the rider whereby the vertical member may be oscillated by forces on the upper and lower portions of the vertical member, and means connecting the vertical member and the horizontal member for causing the horizontal member to be oscillated when the vertical member is oscillated.

2,544,107
AUTOMATIC AND MANUALLY OPERATED CLUTCH
Carroll H. Richards, Boston, Mass.
Application May 20, 1946, Serial No. 671,089
21 Claims. (Cl. 192—71)

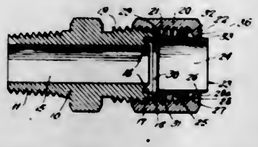
1. A clutch having a driving element and a driven element rotatable about a common axis, the combination therewith of a gear having a driving connection with one of said elements, a member mounted in the other element for rotation relative thereto, a second gear, said second gear being mounted in said member for rotation relative thereto and adapted to mesh with the

first said gear, said member and said second gear being rotatable about different axes, the axis of



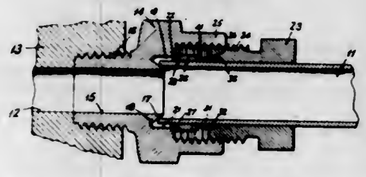
rotation of said member being spaced from the axis of the first gear and manually operated means to control the rotation of said member.

2,544,108
PIPE CONNECTING
James C. Richardson, Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application September 18, 1946, Serial No. 697,692
3 Claims. (Cl. 285—86)



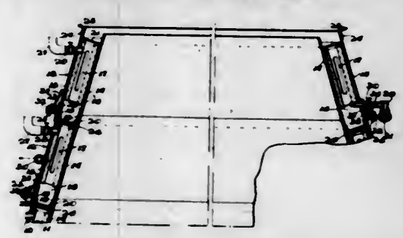
1. A combined tube-connector and tube-flarer, including in combination: a first body-member provided with threads for engagement with the threads of the hereinafter-mentioned second body-member, said first body-member being formed with a longitudinal passage and with an inclined flare-gripping seat surrounding the said passage, the said first body-member also being provided with a stop-abutment facing toward and positioned for engagement by the stop-projection of the hereinafter-mentioned tube-gripping band; a second body-member provided with threads for engagement with the threads of the said first body-member, the said second body-member being formed with a tube-receiving passage and with an inclined deflecting-surface around the said passage and inclined in the same general direction as the flare-gripping seat of the said first body-member; and a tube-gripping band adapted to fit upon the end-portion of a tube and having a flare-gripping seat complementing and adapted to cooperate with the flare-gripping seat in the first body-member, the said tube-gripping band also having inwardly-bendable gripping-means positioned to engage with the inclined deflecting-surface of the said second body-member to be forced inwardly thereby into gripping engagement with the periphery of a tube, the said tube-gripping band also having upon its exterior a stop-projection which is normally rigid therewith but displaceable with respect thereto, the said stop-projection being located for engagement with the stop-abutment of the said first body-member prior to the cooperation of the flare-gripping seat of the said band with the flare-gripping seat of the said first body-member; the relative resistances to displacement of the gripping-means and the stop-projection of the said tube-gripping band being such that the said gripping-means will be deflected into gripping engagement with a tube before the said stop-projection is displaced.

2,544,109
PIPE CONNECTION
James C. Richardson, Waterbury, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application May 22, 1948, Serial No. 28,651
4 Claims. (Cl. 285—86)



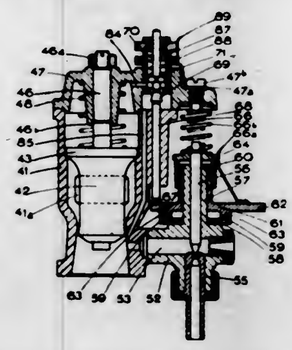
1. In a pipe coupling having means for flaring a ductile pipe over a flare-forming projection on a body member upon operation of a draft member having a screw-thread connection with the body member, said means including a sleeve to grip the pipe and advance therewith in the flaring operation and clamp the flared end of the pipe against said flare-forming projection in leak-proof engagement therewith, said sleeve having a frangible connection with said draft member formed by a web left between spaced internal and external annular recesses in the sleeve whereby when said frangible web is broken a part of the sleeve engages a sloping wall of the internal recess and telescopes with a draft member to grip the pipe, the improvement which comprises a groove in the external recess portion of the sleeve spaced from said frangible web and forming a hinge portion to facilitate the contraction of the telescoping portion of the sleeve when the draft member advances relative to the broken web.

2,544,110
CONCRETE FORM
Joel H. Rosenblatt, Baltimore, Md.
Application May 24, 1949, Serial No. 95,065
10 Claims. (Cl. 25—118)



1. A concrete form comprising water-tight sections each having inner and outer walls spaced apart, foraminous means for securing said walls in fixed spaced relation, the upper end of one section being complementary to the lower end of an adjacent section, whereby said ends may be nested together to form a joint between the sections, and means for removably securing said sections together.

2,544,111
CARBURETOR
Hugo Schneebeli, Courbevoie, France
Application October 1, 1946, Serial No. 700,395
In France October 19, 1945
2 Claims. (Cl. 261—44)



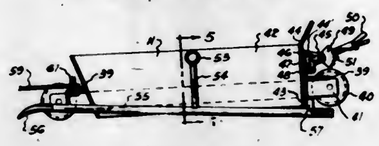
1. A carburetor for an internal combustion engine which comprises, in combination, an induction pipe to be connected with said engine, throttle valve means for controlling the flow of secondary air from the atmosphere to said pipe, pneumatic means for controlling said throttle valve means, said pneumatic means including a variable volume chamber, a passage between said chamber and the atmosphere, a passage between said chamber and the portion of said induction pipe on the downstream side of said throttle valve means, means for controlling the feed of fuel to the portion of said induction pipe on the downstream side of said throttle valve means, means operatively connected with said fuel feed control means for controlling the flow section through the second of said passages, and manual control means for adjusting the flow section through the first of said passages.

2,544,112
SINTERED BATTERY PLATE AND PROCESS OF MAKING
Friedrich August Schneider, Venlo, Netherlands, assignor to Accumulatoren Fabriek Varta N. V., Amsterdam, Netherlands, a company of the Netherlands
Application January 5, 1949, Serial No. 69,399
In the Netherlands May 17, 1947
8 Claims. (Cl. 136—29)



1. The process for the manufacture of accumulator plates, carrying conducting lugs, sintered from metal powder, in particular for alkaline accumulators, in which a piece of metal gauze and then a layer of metal powder are applied on top of a metal grid and said powder is sintered, characterized in that the grid is chosen larger than the finished plate including its conducting lug and the piece of gauze larger at least than the finished plate without its conducting lug, and that after a light sintering of the powder the porous material thereby obtained is subjected to a pressing operation in which the porous material along the edge of the grid is highly compressed and the porous material in the remaining area of the grid is subjected only to such lesser pressure that the desired thickness of the porous material is attained, whereupon the sintering is repeated, and the plate is punched to the desired shape.

2,544,113
TURNTABLE ROAD MACHINE
Edwin B. Snead, Austin, Tex.
Application September 4, 1945, Serial No. 614,141
4 Claims. (Cl. 94—44)



2. In a concrete pavement stripping machine, the combination of a movable carrier adapted to move on a concrete pavement, a rigid member extending from the carrier and adapted to overhang the side edge of the pavement, a concrete spreading hopper having an open bottom and movable means for supporting it on the edge of the pavement and on the usual guide rail, a suspending member medial of the hopper directly engaging the carrier member, and rod guides extending through said hopper and supported thereby.

2,544,114
HAIRPIN DISPENSER
Betty Steinberg, Beverly Hills, Calif.
Application August 2, 1948, Serial No. 41,930
8 Claims. (Cl. 312—35)

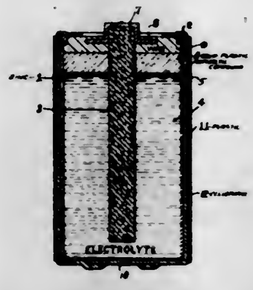


1. A dispenser for magnetizable articles, the subcombination comprising a container having a movable cover member, said movable cover member having a plurality of apertures therethrough and magnetic means mounted on said cover member adjacent to said apertures to permeate said apertures with magnetism to thereby maintain said magnetizable objects against the walls of said apertures, said apertures each having a cross-sectional area slightly larger than the cross-sectional area of said articles to assure single file movement of said articles therethrough upon relative movement of said articles and said cover member.

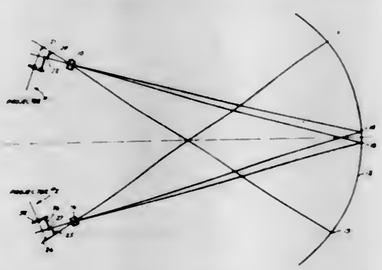
2,544,115
LEAKPROOF BATTERY
Melvin Wagner, Glenside, Pa., assignor to Glenside Bag Company, Glenside, Pa., a partnership consisting of Arthur Vane Holloway and Melvin Wagner
Application December 22, 1945, Serial No. 636,750
3 Claims. (Cl. 136—133)

2. A dry cell comprising a metal container having an integral bottom portion, a centrally disposed core within the container, an electrolyte

between the core and the container, the upper portion of the container being closed by an insulating compound to hold the carbon core in position, said compound including bubbles of entrained air, and a plastic coating extending over the entire circumferential surface of the battery and also over limited portions of the ends of the battery.



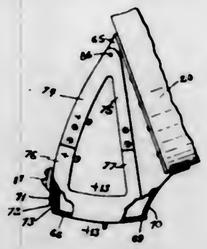
2,544,116
MASKING OF MARGINAL EDGES OF OVERLAPPING IMAGES OF MOSAIC PICTURES
Fred Waller and Richard C. Babish, Huntington, N. Y., assignors to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application January 8, 1948, Serial No. 1,200
11 Claims. (Cl. 88—16.6)



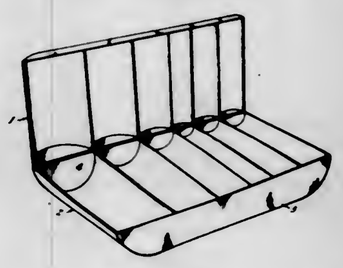
7. Apparatus for producing mosaic motion pictures, said apparatus comprising two moving picture projectors with shutters synchronized with one another, said projectors being located in positions to project on a screen individual images with overlapping marginal zones, a mask in each projector in position to produce gradation of light across the overlapping marginal zone of the image projected on the screen, and mechanism for oscillating the masks in timed relation with the shutters of the motion picture projectors and in timed relation with each other.

2,544,117
ENDGATE FOR VEHICLE MOUNTED GRAIN TANKS
William G. Weatherly, Clarkston, Wash.
Application September 10, 1947, Serial No. 773,138
2 Claims. (Cl. 298—30)

1. In a vehicle body for hauling grain, said body having a discharge opening in the lower portion of one end thereof, a discharge spout rectangular in cross-section projecting from said opening, and a gate hinged on the discharge spout for closing it, said gate and spout having cooperating overlapped side portions provided with slidably interfitting grooves and ribs and said gate having ledges engaging and overlapping the front and rear edges at the outer end of the spout sealing the spout.



2,544,118
COIN BOX
Burton H. Went, Portland, Oreg.
Application February 20, 1948, Serial No. 9,890
1 Claim. (Cl. 206—0.3)



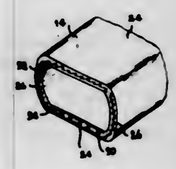
A coin box having two identical half sections, each section being formed of a cut, scored, and folded blank of material to form vertical side walls and curved end walls, spaced apart hinge tabs formed along the top edges of both side walls of one section and adapted to mesh between similar tabs formed along the top edges of both side walls of the other section, said tabs being rolled over on themselves, a fixed hinge pin extending through the meshing tabs of one side of both of said sections, a removable pin extending through the meshing tabs of the opposite side of both of said sections, said removable pin having an outwardly extending enlarged and apertured end portion, a bracket secured to one end wall of one of said sections and formed with an aperture adapted for alignment with the aperture in said removable pin to receive a locking means, a series of semi-cylindrical transverse channels formed on various radii in each section and arranged at right angles to said sides and adapted when brought together by closing both sections to provide on the interior of the box a plurality of coin receiving cylinders closed at both of their ends, and whereby said locking means will prevent removal of said removable pin and unintentional opening of said sections and the separation of said semi-cylindrical channels.

2,544,119
HOSE FOR DISPENSING PUMPS
H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 8, 1948, Serial No. 1,136
4 Claims. (Cl. 138—61)



1. As a new article of manufacture; a hose of rubber like material adapted for use with dispensing pumps and having a means at one end for connection with a pump and means at the other end for connection with a nozzle, a crescent shaped rubber like member vulcanized to one side of said hose and extending longitudinally thereof, and a plurality of spring wires in said member extending the length thereof and operable to cause said hose to hang with a loop therein when suspended from its ends on said pump.

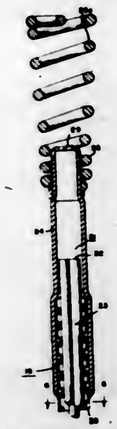
2,544,120
HOSE FOR DISPENSING PUMPS
H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 8, 1948, Serial No. 1,137
3 Claims. (Cl. 138—61)



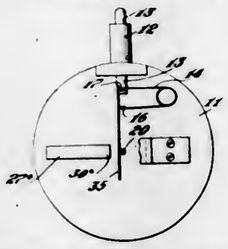
1. As a new article of manufacture, a rubber-like hose for dispensing pumps, said hose being substantially flat at two diametrically opposite parts for high flexibility in a plane parallel with said parts, longitudinally extending spring means in one of said flat parts for urging said hose to hang in a coil when suspended from its ends, and fabric means in said hose for giving it longitudinally inextensibility.

2,544,121
HOSE COILING DEVICE
H. Hix Wolfe and Howard E. Butler, Dayton, Ohio, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application August 2, 1948, Serial No. 41,986
6 Claims. (Cl. 138—61)

1. A flexible hose coiling device for insertion into a flexible hose which conducts fluids for establishing and maintaining a pre-set resilient loop in the flexible hose comprising, a flexible hollow sheath, a rigid sleeve secured on each end of said sheath, and a spring wire core having a pre-set spring loop therein extending through said sheath with the opposite ends thereof terminating in said sleeves and imparting to the sheath the pre-set loop of the core, said core comprising a plurality of unattached parallel wires freely movable relative to each other and relative to said sheath.



2,544,122
MOTION MULTIPLYING MECHANISM
William G. Abbott, Jr., Wilton, N. H.
Application July 21, 1944, Serial No. 546,030
21 Claims. (Cl. 74—210)

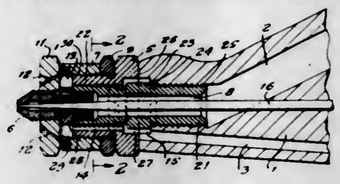


1. A magnetically geared motion multiplying instrument of the class described comprising in combination a reciprocable member, a rotatable spindle, a rotatable member connected to and rotated by said spindle and extending to a circular path substantially larger than that of the spindle surface so as to have at said path a linear motion which is multiplied from that of the spindle surface, the spindle and said rotatable member being rotatable together in both directions of rotation, a spindle-driving member movable by said reciprocable member and having frictional contact with the spindle, and means for causing a magnetic attraction between the spindle and said spindle-driving member.

2,544,123
REMOVABLE NOZZLE SPRAY GUN
John Olle Andersson, Ektorp, Sweden
Application February 12, 1948, Serial No. 7,871
In Sweden January 27, 1944
4 Claims. (Cl. 299—141)

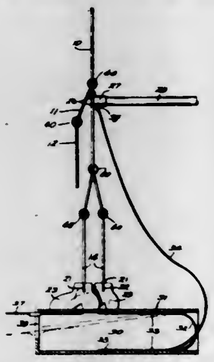
1. A spray gun, comprising in combination, a nozzle holder; a central nipple member screwed into said nozzle holder and having a paint channel and a first tightening collar; a sleeve-shaped nipple member screwed on said central nipple

member and having air channels and a second tightening collar; tightening surfaces on the end of said nozzle holder opposite said tightening collars; a paint nozzle screwed into said central



nipple member; an air nozzle screwed on the end of said paint nozzle and having air passages; and means forming an air-tight connection between said air passages and said air channels in said sleeve-shaped member.

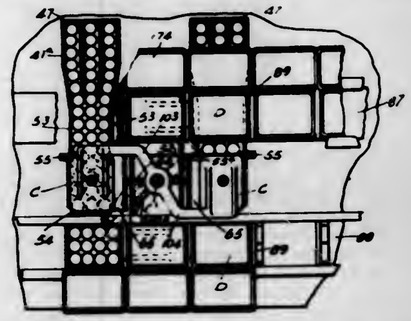
2,544,124
DANCING PUPPET
Harry N. Atwell, Milwaukee, Wis.
Application February 15, 1946, Serial No. 647,897
3 Claims. (Cl. 46—137)



1. A device of the character described comprising a box having a base, upstanding side and front walls, a top and an open back, the front wall being slotted, and the top being substantially at the level of the upper margins of the said walls, spring means connected with the base and extending upwardly at the back of the box and thence forwardly beneath the top and connected therewith, a handle connected with the top and projecting through the slot of the front wall, and a dancing puppet provided with a support extending upwardly from the base and through the open back, said puppet having flexible limbs and feet normally engaged by said top and from which said top is downwardly movable by said handle.

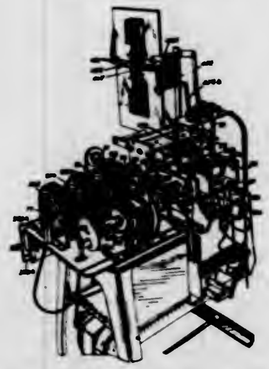
2,544,125
PACKAGING MACHINE HAVING ARTICLE RECEIVING AND TRANSFERRING SECTIONS FOR HANDLING ARTICLES IN GROUP FORMATION
Joseph C. Bain and Frank R. East, Toronto, Ontario, Canada
Application December 26, 1944, Serial No. 569,872
5 Claims. (Cl. 214—1)

1. A packaging machine comprising a receiving bed having a receiving section and a transferring section, means for feeding a series of small articles into the receiving section of said bed in predetermined grouped arrangement, means for moving said articles to the transferring section of said bed in corresponding grouped arrangement, means in connection with said transferring section for urging said group of articles within a predetermined area and including movable side and end walls for said transferring section movable inwardly to reduce the area of said transferring section and a movable cover



movable into engagement with the outer portions of said articles to maintain said articles in a common plane, suction means for engaging said grouped articles in the transferring section of the bed, said suction means being movable to transfer said group of articles therefrom, and means for moving said suction means away from said transferring section or bed to release said grouped articles at a predetermined point in said grouped formation.

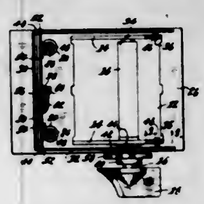
2,544,126
CALCULATING MACHINE
Richard Everest Baldwin, Coulsdon, England, assignor to Powers-Samas Accounting Machines Limited, London, England, a British company
Application March 10, 1948, Serial No. 14,037
In Great Britain March 25, 1947
7 Claims. (Cl. 235—61)



1. A multiplying machine operating in accordance with the method according to which the product is obtained by successively halving the multiplier and doubling the multiplicand, and summing all the multiplicands corresponding to odd multipliers, comprising in combination on a multiplier and a multiplicand register each including a group of electronic tubes for each

denomination, one tube to represent two digits in the denomination, the grid of each tube within each group being so coupled to the anodes of all the other tubes in the same group that when any one tube is in a predetermined (active) electrical state, all the other tubes in the group are in the opposite (inactive) electrical state, factor-entering apparatus, including means for applying to the grid of each tube corresponding to a digit to be entered an electrical pulse of a sign and magnitude such as to cause said tube to register the entered digit by assuming or maintaining the active state, means operative after completion of the factor entering operation and tending to apply successive pulses to the grids of all the tubes in each register, and selection means for each register, effective under the control of the tubes in said register, to permit the application of said pulses only to those tubes which, in the multiplier register, represent the digits of half the value already in said register, and, in the multiplicand register, represent the digits of double the value already in said multiplicand register, the machine further including a product register and means for reading off from the multiplicand register the value registered therein and entering said value into the product register, and means operative under control of the lowest value tube in the multiplier register to render said reading off means effective when said lowest value tube is in the active state.

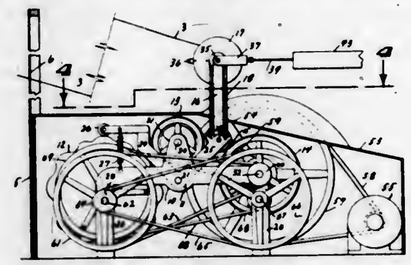
2,544,127
TUNER LINKAGE
Grover F. Behringer, Defiance, Ohio, assignor, by mesne assignments, to All Star Products, Inc., Defiance, Ohio, a corporation of Ohio
Application July 2, 1949, Serial No. 102,759
11 Claims. (Cl. 74—10.9)



1. In a tuner linkage of the character disclosed, a yoke, each arm thereof having a pivot point, said pivot points being directed toward each other, said yoke being adapted for pivotal connection to a pair of spaced elements having perforations therein, said arms being outside said spaced elements and biased toward each other to resiliently engage said pivot points in said perforations, a follower pivoted to said yoke, a cam for coaction therewith, spring means to urge said yoke in a direction for said follower to engage said cam, and means for connecting said yoke to coil springs extending from tuner cores or the like.

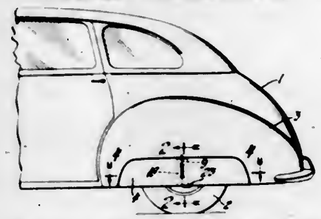
2,544,128
DEEP-SEA FISHING GAME
Arthur W. Bell, San Mateo, Calif.
Application May 24, 1947, Serial No. 750,192
14 Claims. (Cl. 272—1)

1. A fishing game of the character described, comprising a screen having a hole therein, a line passing through the hole, a fishing rod attached to the line on one side of the screen, and means disposed on the other side of the screen for applying intermittent draft impulses to the line, the said means comprising a rotary spool having



a section of the line wound thereon and means for intermittently rotating the spool.

2,544,129
WHEEL COVER
Paul E. Benson, Eaton Rapids, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 25, 1947, Serial No. 756,939
6 Claims. (Cl. 280—153)

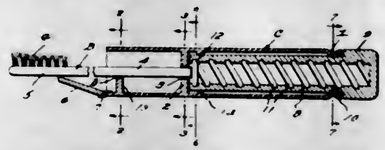


1. In a motor vehicle having a wheel fender provided with a wheel access opening along its lower edge defined by an inwardly offset cover locating flange, attachment brackets separately formed of heavier stock than that of the fender and secured in backing relation with the fender flange at the bottom of the fender and projected laterally beyond said flange into said wheel access opening, a cover panel for the opening arranged to be set flush with the fender side wall and fitted at its edges to said locating flange, a panel supporting and shock resisting strap of U-shape arranged with its base set on edge in a plane parallel to the plane of the panel and secured flat on the back of the panel across the bottom thereof in bridging relation to the wheel opening and with both integral end arms projected inwardly for cooperative demountable engagement with said fender flange stiffening brackets and a spring pressed retractible plunger slidably and nonrotatably mounted on the back and centrally of the cover panel, said plunger extending vertically and terminating at its upper end in an integral portion for latching engagement with a central top portion of said offset fender flange and at its lower end in a laterally projecting handle adjacent the lower edge of the cover panel.

2,544,130
TOOTHBRUSH AND CASING THEREFOR
Barbara W. Boothroyd, Los Angeles, Calif.
Application August 6, 1947, Serial No. 766,841
4 Claims. (Cl. 15—184)

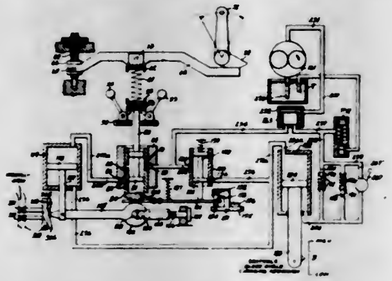
1. An article of the class set forth comprising a long casing having an open end, a plate disposed

transversely within and partitioning the casing inwardly of the open end thereof, a sleeve freely extending into the casing through the end thereof opposite said open end, said sleeve having a thread groove in the inner surface thereof, means connecting the casing and sleeve for relative rotary movement but holding the same against relative endwise movement, a brush member including an elongated handle and a head, the plate having an opening through which the handle



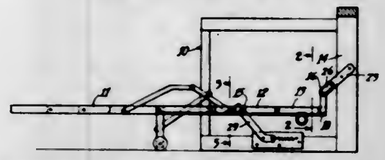
slides, the plate being positioned inwardly of the adjacent open end of the casing a distance sufficient to allow the head of the brush element to be entirely housed within the casing upon endwise movement of the handle inwardly of the casing, and a member carried upon the inner end of said handle and engaging said thread groove, by which, upon relative rotation of the casing and sleeve, the brush member will be moved outwardly or inwardly of the casing.

2,544,131
SPEED RESPONSIVE PROPELLER PITCH CONTROLLER
Roy H. Brandes, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 10, 1948, Serial No. 20,282
5 Claims. (Cl. 264—14)



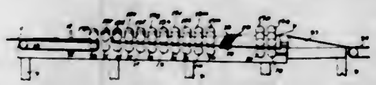
1. Apparatus for controlling blade angle comprising an hydraulic servo having a cylinder, a piston therein and a rod connected with the piston and extending through one end of the cylinder and connectible with blade angle changing mechanism, a fluid reservoir, a pump connected with the reservoir for supplying fluid under pressure, means connecting the pump with the rod end of the servo-cylinder, a flyweight governor, means for driving the pump and governor, a stabilizer cylinder, a piston therein, a rod extending from the piston through one end of said cylinder, a lever connected with said stabilizer piston rod, a fulcrum for said lever, a duct connecting one end of the stabilizer cylinder with the head end of the servo-cylinder, means for controlling admission of pressure fluid from the pump to the other end of the stabilizer cylinder or the draining thereof and comprising a valve connected with the governor and a follow-up valve operated by the lever, means for controlling admission of pressure fluid from the pump to the head end of servo-cylinder or the draining thereof and comprising a third valve and a second lever operated by the first lever for operating said third valve and a fulcrum for the second lever, a non-rotatable nut supporting the first lever fulcrum, means for adjusting the nut laterally in the direction of movement of the follow-up valve, and a screw for moving the nut axially.

2,544,132
DETACHABLE MEANS FOR COMBINATION BED STRUCTURES
Tony Bua, Brooklyn, N. Y.
Application May 10, 1948, Serial No. 26,016
1 Claim. (Cl. 5—13)



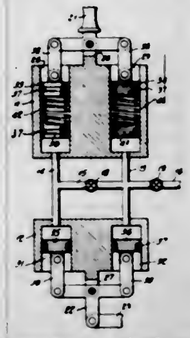
In furniture adapted for alternate use as a bed and a sofa, the combination with a sofa frame and a sectional bed frame foldable into said sofa frame; of a vertical link attached to the bed frame at opposite inner corners thereof, a downwardly and outwardly extending support arm in each inner corner of the sofa frame shaped to provide an obliquely disposed slot having an offset portion therein, a latch pin on the vertical link for self seating reception in said slot for pivotal suspension of the inner section of the bed frame from said sofa frame, said latch pin being shaped to provide a shouldered portion for holding the support arm and link in contact relation whereby lateral swaying movement of the bed frame with respect to the sofa frame is prevented, a lever, means for mounting the lever on the sofa frame, a pin in the free end of the lever for engagement with a rearwardly extending angular slot in a section of the bed frame, a latch on said section having a slot for engagement with the pin for holding the latter in the closed end of said angular slot, and a finger projection on said latch.

2,544,133
EDGE-GLUING OF VENEER
Arthur C. Carlson, Anacortes, Wash., assignor, by mesne assignments, to American Manufacturing Company, Inc., Tacoma, Wash., a corporation of Washington
Application November 20, 1946, Serial No. 711,121
10 Claims. (Cl. 154—42)



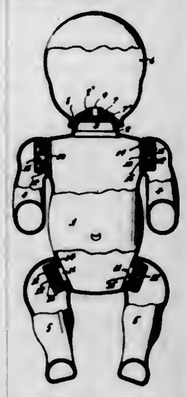
1. A machine for continuously edge-gluing individual veneer strips into a continuous sheet, comprising upper and lower platens spaced apart for edgewise passage therebetween of such strips, and constituting glue-setting means, said platens being materially curved, lengthwise of such strips, to stress the strips' fibers, and means to guide and advance strips edgewise to said glue-setting means, to arrive there in edge-abutting relationship, the strip-contacting faces of said platens being corrugated, to engage the strips only along a plurality of spaced zones, in their passage through the glue-setting means, and the corrugations being inclined relative to the direction of the strips' advance, and closely enough spaced that each section of the glue line is wiped progressively lengthwise by at least one such corrugation.

2,544,134
LIQUID PULSATOR SYSTEM WITH PRESSURE COMPENSATION
Warren H. Clark, Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application September 16, 1943, Serial No. 502,621
6 Claims. (Cl. 60—54.5)



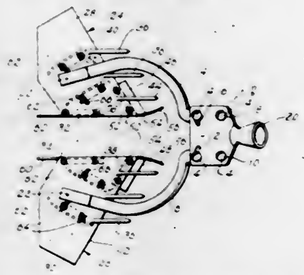
1. Hydraulic remote control apparatus comprising a transmitting device and a receiving device; a hydraulic column between said devices; piston means for applying pressure to said hydraulic column and for receiving pressure impulses transmitted through said column, said piston means including a piston assembly comprised of a pair of axially spaced relatively movable pistons, and a compression spring confined between said pistons; and means for placing said hydraulic column at an initial pressure to obtain a predetermined state of compression in said spring inhibiting relative motion between said pistons during normal operation of said piston assembly.

2,544,135
DOLL JOINT
Irwin Cohn, Leominster, Mass.
Application November 5, 1946, Serial No. 707,943
2 Claims. (Cl. 46—173)



1. In a doll consisting of a body member, a head member, and appurtenant arm members, and leg members, the body member being formed with at least one annular outwardly upset area to serve as a mounting face for one of said members appurtenant, said appurtenant member being formed with a relatively deep cupped recess with a back wall and a peripheral wall, two peripherally flanged disks in mutual face abutment, the disks being reversely disposed so that their flanges extend in opposite directions, a rivet rotatably and frictionally connecting the disks axially thereof, the disks being disposed within the said relatively deep cupped recess of said appurtenant member and one disk abutting the peripheral and back walls thereof, the flange of said one disk being cemented to a wall of said recess and the flange of the second disk peripherally abutting the annular upset area of the body member and being cemented thereto.

2,544,136
HAND CULTIVATING AND WEEDING TOOL
Clem N. Critcher, Detroit, Mich.
Application October 25, 1946, Serial No. 705,548
2 Claims. (Cl. 97—71)

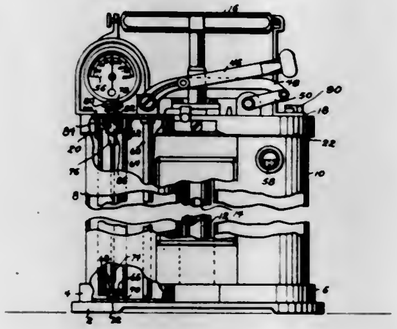


1. A cultivator comprising a pair of horizontal plates, a pair of divergent arms, means securing the convergent ends of said arms together for connection to a handle, means securing the divergent ends of said arms separately to said horizontal plates whereby said plates are supported in laterally spaced relation, said plates having laterally inward edges spaced parallel to each other at a distance to permit passage therebetween of plants of a row as the cultivator is drawn rearwardly along the row, said horizontal plates having forwardly divergent rear edges, laterally spaced rake teeth secured to depend along said rear edges of each plate, and hoe plates depending from each of said plates near the inward edges thereof and extending along the rear edges thereof forwardly of some of said rake teeth, vertical longitudinal soil guiding plates depending from each of said horizontal plates and extending along the inward edges of said horizontal plates, and rearwardly divergent plant guide portions on said horizontal plates rearwardly of said soil guiding plates for guiding plants into the space between said soil guiding plates and the inward edges of said horizontal plates.

2,544,137
FIRE EXTINGUISHER
Elmer E. Cyphert, Norwalk, Ohio
Application August 20, 1947, Serial No. 769,654
8 Claims. (Cl. 169—31)

1. In a fire extinguisher having valved air and chemical cylinders, a head for the cylinders and an actuating lever for the valves, the improvement comprising an inhibitor container in the air

cylinder, a valve for the container, and a valve rod in the container extending through the head



and in the path of movement of the lever when moved to valve opening position.

2,544,138
ELECTROLYTIC CELL WITH MOBILE MERCURY CATHODE
Oronzio de Nora, Milano, Italy
Application April 17, 1947, Serial No. 741,978
In Italy June 16, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1961
1 Claim. (Cl. 204—220)

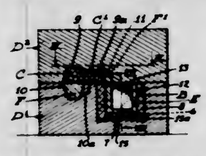


A continuous cycle electrolytic cell with mobile mercury cathode, comprising in combination an electrolytic compartment having an elongated and narrow form, the length being at least ten times the width, with a slightly inclined bottom, the slope being only that necessary for assuring the flow of the mercury and a vertical disamalgamation device positioned for vertical gravity flow of the amalgam from the electrolytic compartment therethrough, the disamalgamation device being disposed near the outlet end of the electrolytic cell, two portions of pipes providing connections for the return of mercury to the cell from the disamalgamator, one of said pipe portions being vertical and of a length equal to the height of the disamalgamator plus twice the difference in level between the two ends of the cell for conveying mercury from the bottom of the disamalgamator to a point as high above the lower end of the cell as twice the difference in level of the two ends of the electrolytic cell, the other portion of pipe having a slope equal and opposite to that of the electrolytic cell, and being a continuation of the first recited pipe portion for conveying mercury to the inlet end of the cell, a mercury seal at the inlet end of the cell, said other portion of pipe having its delivery end above the mercury in said seal, a short conduit connecting the outlet of the cell to the inlet of the disamalgamator, and pump means at the lowest end of the vertical portion of pipe.

2,544,139
PROCESS FOR ENAMELING ALUMINUM-RICH ALLOYS
Alden J. Deyrup, Westfield, N. J., and James H. Peterson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 1, 1947, Serial No. 758,470
4 Claims. (Cl. 148—6.2)

1. The process of producing vitreous enamel coated aluminum-rich alloys having an improved enamel bond which comprises placing the alloy surface to be enameled in contact with an aqueous alkaline solution containing between 0.25% and 25% of a water-soluble chromate for a period of between 1 and 30 minutes, heat-treating the chromate-treated alloy at a temperature between 350° C. and the heat tolerance limit of the alloy for a period of 2 to 10 minutes, and then enameling the so-treated surface with a vitreous enamel having a melting point below about 580° C. by applying said enamel to said heat-treated surface and firing the same above the fusing point of the enamel at a temperature between 480° C. and 580° C.

2,544,140
PROCESS OF FORMING AN ARTICLE FROM AT LEAST TWO PLASTICS
Floyd J. Defsen, Millbrae, and Elmer L. Danielson, Oakland, Calif.
Application December 9, 1947, Serial No. 790,676
3 Claims. (Cl. 18—59)



1. The herein described method of forming an article from more than one plastic consisting of placing a preformed plastic structure comprising a hollow body with a slot extending therethrough, a main sprue and a branch sprue connecting the body and main sprue into a mold having channels of greater size than said first mentioned sprues, with said sprues in said channels, of injecting a second plastic through the channels into said slot so that the sprues formed by the second plastic lie adjacent said preformed sprues.

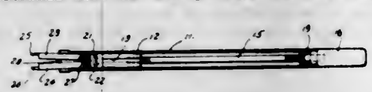
2,544,141
WEED CONTROL
John J. Donleavy, Montclair, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application May 28, 1946, Serial No. 672,911
8 Claims. (Cl. 71—2.2)

1. The method of combatting weeds which comprises treating said weeds with an aqueous solution, comprising 2 to 11% by weight of material of the group consisting of fluoboric acid and the salts thereof, in amount sufficient to cause deterioration of said weeds.

2,544,142
AXLE STUB-REMOVING TOOL
William F. Dritley, Benton Harbor, Mich.
Application December 6, 1946, Serial No. 714,570
2 Claims. (Cl. 294—100)

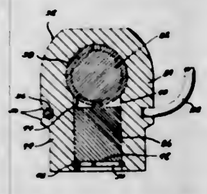
1. Gripping mechanism for extracting axle stubs from axle housings comprising a tubular

casing having an end wall and a diametrical slot in the end wall, a rod member mounted in said casing for movement forwardly and backwardly, a plunger slidable within said casing and having one end secured to one end of said rod member, a pair of lugs arranged in parallel spaced relation projecting from and fixedly carried by the other end of said plunger, means for preventing rotation of the plunger within the casing and arranged to maintain said lugs parallel to said diametrical slot as the plunger moves slidably



within the casing, a pair of jaw members arranged in face-to-face relationship with respect to each other projecting from the end wall of said casing slidably through the diametrical slot interfittingly therewith and pivotally mounted on and disposed between said lugs for movement toward and away from each other, and spring means mounted in the confronting faces of said jaw members and spaced from the pivotal mounting of the latter for biasing the jaw members away from each other.

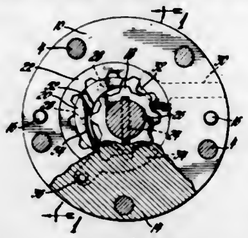
2,544,143
LEVEL-WIND MECHANISM
Henry Dunn, Detroit, Mich.
Application June 19, 1947, Serial No. 755,669
2 Claims. (Cl. 242—84.4)



1. A level-wind device comprising an annular sleeve having a transversely extending bore therethrough for a sliding fit over a lead screw having intersecting left and right hand threads, a plunger rotatably mounted in said sleeve and slidable toward and away from the axis of the transversely extending bore, means on said plunger for engagement with the threads of the lead screw, retaining means for holding said plunger in screw thread engagement with the lead screw, said sleeve having a channel around its outer periphery, a looped guide wire carried in said channel, and the edges of said channel peened over said wire guide.

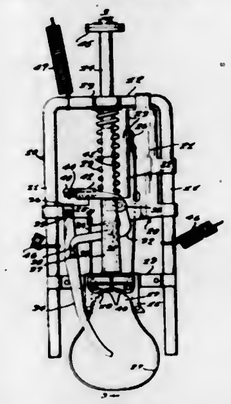
2,544,144
OIL BURNER PUMP
William P. Ellis, Palo Alto, Calif., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1947, Serial No. 746,447
2 Claims. (Cl. 103—126)

1. A rotary pump including an internal gear, a pinion disposed eccentrically within said gear and meshing at one side therewith, a fixed crescent interposed between said internal gear and pinion to provide pumping recesses between said crescent and the spaces between the teeth of said internal gear and pinion, a fluid intake adjacent one end of said crescent, a fluid outlet adjacent the other end of said crescent, and passages in said crescent to place said outlet in direct communication with said pumping recesses to supply fluid under pressure to said recesses,



said passages including a slot extending diagonally across said crescent between the ends of said crescent and an arcuate slot in said crescent extending from said first slot to the end of said crescent which is adjacent said outlet.

2,544,145
ANIMAL TRAP
Fred Ellwein, Sidney, Mont.
Application October 12, 1948, Serial No. 54,126
1 Claim. (Cl. 43—87)



An animal trap comprising a U-shaped frame adapted to be mounted in upright position with its lower end at the bottom and having an aperture through its bight portion substantially at the mid-length location of the latter, a plunger slidable in said aperture and disposed substantially parallel to the legs of said U-shaped frame, a guide-bar on the lower end of said plunger slidably engaging the legs of said frame, animal-engaging means on the lower end of said plunger, a plate extending transversely of said frame between said guide-bar and said frame bight and having a portion extending along one of the frame legs toward said bight and provided with spaced-apart notches, a strand secured at one end to said plate and at its opposite end to a hook selectively engageable in said notches, said strand extending through said animal-engaging means near each end of the latter to provide a noose disposed below said animal-engaging means, a shoulder on said plunger, a compression spring interposed between said shoulder and the bight of said frame to resiliently force said plunger downwardly, a detent on said plunger, a latch-bar pivotally se-

cured at one end to said plate and engageable with said detent to hold said plunger in position with said spring compressed, a trigger pivotally connected at one end to said plate and having a stop engageable with the free end of said latch-bar to releasably hold said latch-bar in plunger-retaining position, the free end of said trigger being positioned at one side of said noose and extending within the area of said noose when said trap is set, an apertured keeper on said plate, a toothed locking bolt secured at its lower end to the lower end of said plunger and extending through said keeper for engagement with the latter to releasably lock said plunger in spring-expanded position, resilient means carried by said keeper and engaging said bolt to urge the teeth of said bolt in operative engagement with said keeper, and a stop-collar secured on said plunger near the upper end of the latter to limit downward movement of said plunger by contact of said collar with the bight of said frame.

2,544,146
ADHESIVE COMPOSITION FOR METAL FOIL TO PAPER LAMINATING
Carl R. Erikson, New York, N. Y., assignor to The Arabol Mfg. Co., New York, N. Y., a corporation of New York
No Drawing. Application March 29, 1949, Serial No. 84,260
3 Claims. (Cl. 260—8)

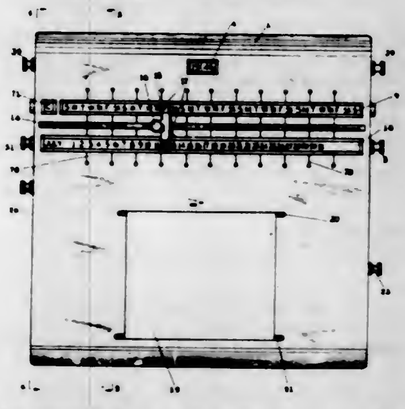
3. An adhesive composition for use in metal foil to paper laminating, consisting of, in percentage by weight: polyvinyl acetate resin dispersion of 55% solids content, 40–75, and a plasticizer; casein, 2–10, with water, 10–35, and 26° Bé. ammonia, 0.2–1.0; a preservative; and 40% formaldehyde 0.025–0.6, with 26° Bé. ammonia 0.5–0.4 and water 1–8.

2,544,147
CLASP
Whiting Evans, Brooklyn, N. Y.
Application December 28, 1945, Serial No. 637,632
1 Claim. (Cl. 24—233)



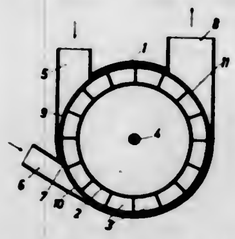
A clasp of the character described, comprising a casing having two spaced parallel side walls and an intermediate back wall joining adjacent longitudinal edges of the side walls, a partial ring element integral with one end edge of one side wall, a ring integral with the opposite end edge of a side wall, a plate member fitting snugly between said side walls, a pivot pin connected between the side walls and passing through the plate, a second partial ring element carried by and extending from the end edge of the plate member adjacent to the end edge of the first side wall from which the first partial ring element extends, said ring elements being adapted to be brought together to form a complete ring, said plate member having a longitudinally extending slot formed therein from and opening through the other end edge thereof and closely approaching the first mentioned end edge, said slot being disposed between the pivot pin and the longitudinal edge of the plate nearer to said back wall, and the portion of the plate between the slot and the said back wall forming a resilient arm bearing against the said back wall and functioning as a spring to maintain the plate member in a position in which said ring elements are joined together.

2,544,148
PERPETUAL CALENDAR
John Flanagan, Maylands, South Australia, Australia, assignor to Twentieth Century Inventions Limited, Adelaide, South Australia, Australia, a corporation of South Australia
Application December 12, 1946, Serial No. 715,865
In Australia January 21, 1946
4 Claims. (Cl. 40—111)



1. An improved calendar characterised by a casing, a year indicator, a shaft carried by said casing supporting said indicator to be movable axially on said shaft but not rotational thereon, a helical guide on said indicator, means on the casing co-operating with the helical guide to move the indicator axially when the supporting shaft of same is rotated, a rotatable day indicator carried upon a shaft in said casing, a rotatable month date indicator carried upon a shaft in said casing, means to simultaneously rotate the year and day indicator, and means to set the month date indicator.

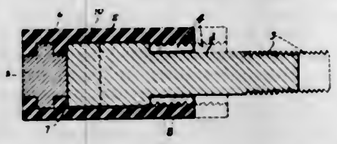
2,544,149
MIXING DEVICE FOR GASES
Wilhelm Föderl, Vienna, Austria
Application August 8, 1947, Serial No. 767,441
In Austria August 16, 1946
3 Claims. (Cl. 48—187)



1. A mixer for gaseous fluids comprising a cylindrical casing, an element rotatably mounted in the casing, including a plurality of spaced radially disposed spaced apart fins forming open pockets, tangential inlets formed in the casing for fluids

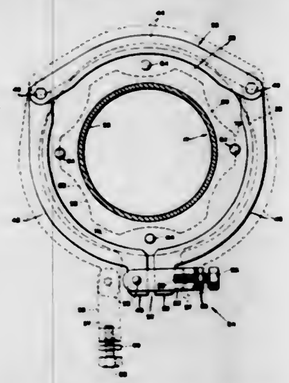
to be mixed in the pockets, and an outlet communicating with the interior of the casing for the exit of the mixed fluids.

2,544,150
DEFORMABLE FIREARM BORE WIPER
Paul E. Franklin, Amarillo, Tex.
Application September 19, 1947, Serial No. 774,975
1 Claim. (Cl. 15—104.06)



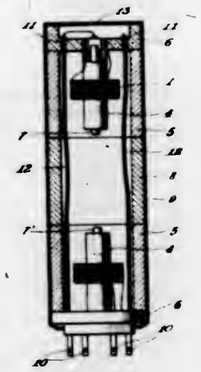
In a firearm bore cleaner, an open ended longitudinally extensible tubular casing fabricated of flexible material, a cylindrical member closing one end of said casing, said member being provided with a peripheral flange intermediate its ends embedded within the interior wall of said casing, an elongated stem having at one end a means for attachment to a cleaning rod and having at its opposite end an enlarged head, the enlarged head of said stem being freely disposed within said casing and abutting said cylindrical member, and a sleeve surrounding said stem and disposed freely on the latter to permit longitudinal movement of the stem relative to said casing upon elongation of the extensible casing when an obstruction is encountered in the bore, said sleeve being provided with grooves at its outer periphery embedded within the interior wall of said casing.

2,544,151
ELEMENT AND ACCESSORY OF POWER PLANTS
Samuel Gilbert, Cedar Grove, and John Raymond Anderson, Morristown, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 17, 1946, Serial No. 703,784
6 Claims. (Cl. 248—2)



4. In means adapted for readily detachably mounting an accessory on power operated means, the latter including a casing and an element in the casing rotative about an axis directed through an opening through a wall opening of the casing, the combination of means adapted to constitute a cylindrical extension of the casing around said opening having radially outer holding means, an accessory housing having radially outer retaining means, an extensible ring adapted for operative position interlocking said holding and retaining means together in the direction of said axis, and releasable means for tightening the ring in said interlocking position and providing for its extension to radially clear said holding and retaining means, the space on said cylinder between said casing and said holding means adapting the cylinder to receive said ring in inactive position in said space.

2,544,152
HIGH-FREQUENCY COIL SYSTEM
Frederik Hendrik Gusdorf and Cornelis Veenis, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1946, Serial No. 661,524
In the Netherlands October 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 27, 1963
7 Claims. (Cl. 171—242)

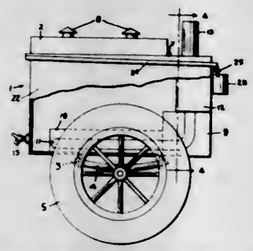


1. A variable inductor comprising a tubular shell of magnetic material and having an open end, a hollow core of magnetic material coaxially positioned within said shell and spaced therefrom, a coil disposed within said shell and surrounding said core, and a plunger of magnetic material slidably received within said core and projecting partly therefrom at the open end of said shell, whereby the reluctance of the air gap between said shell and said core may be adjusted by varying the extent of projection of said plunger.

2,544,153
OVERFLOW DRAIN FOR TAR COOKERS
Fred S. Hall, San Francisco, Calif.
Application February 10, 1947, Serial No. 727,593
2 Claims. (Cl. 126—343.5)

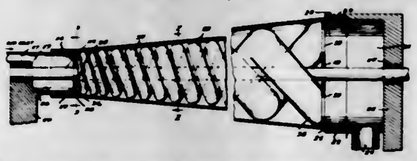
1. In a heater for tar and the like having outer side walls, a bottom wall, a firebox and a flue extending from said firebox along one of said side walls; an upwardly opening drain trough on the outer sides of said side walls closely adjacent their upper edges for receiving heated tar that may run over said edges, said trough having a discharge opening formed therein at a point

adjacent said flue whereby heat conducted from said flue to said trough will prevent solidification



of tar in said opening when said heater is in operation.

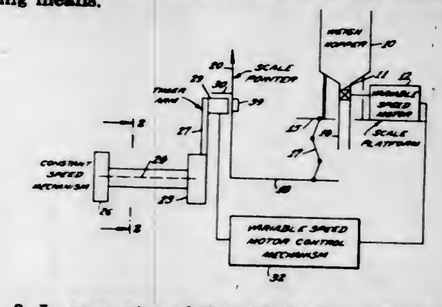
2,544,154
TUBULAR TURBINE
Elmer N. Hampton, Rolla, Mo.
Application November 14, 1947, Serial No. 786,006
2 Claims. (Cl. 253—65)



1. A turbine comprising a horizontally disposed frusto-conical open ended shell, a first fixed housing having one end open positioned adjacent the smaller end of said shell and having the open end rotatably supporting said smaller end of said shell, an inlet in the other end of said housing for connection to a source of compressed fluid, a first transversely disposed plate fixedly positioned within said shell inwardly of and spaced from said smaller end of the latter abutting said one end of said first named housing and forming with said first named housing an inlet chamber, a second fixed housing having one end open and positioned adjacent the larger end of said shell and having the open end rotatably supporting said larger end of said shell, an outlet in said second housing adjacent the other end thereof, a second transversely disposed plate fixedly positioned within said shell inwardly of and spaced from said larger end of said shell and forming with the adjacent portion of said shell and said second housing an outlet chamber, and a conduit of varying diameter having a plurality of convolutions arranged in the form of a helix of frusto-conical shape positioned within said shell intermediate said first and second plates and having its convolutions fixedly secured to said shell, one end of said conduit extending through said first plate and in communication with said inlet chamber and the other end of said conduit extending through said second plate and in communication with said outlet chamber.

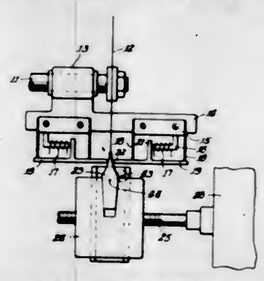
2,544,155
APPARATUS FOR FEEDING MATERIAL AT A PREDETERMINED RATE
Robert J. Harkenrider, Cleveland, Ohio, assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application March 27, 1945, Serial No. 585,159
11 Claims. (Cl. 222—58)

1. Apparatus for continuously discharging a predetermined amount of material from a hopper at a predetermined rate comprising a hopper, a discharge outlet for said hopper, a valve for said outlet adaptable to regulate the actual rate of discharge of material from said hopper, an indicator operable in accordance with the amount of material in said hopper and movable over a graduated course to constantly denote the actual amount of material in said hopper, a rate timer, means for moving said timer at a rate proportional to said desired predetermined rate of discharge of material from said hopper, said indicator and said timer being constructed and arranged so as to move constantly in-step when said valve functions to effect discharge of material from the hopper at said predetermined rate, means actuated by any out-of-step relation of said indicator and said timer for regulating said valve to alter the actual rate of discharge of material from said hopper sufficiently to restore said indicator and said timer to said in-step relation, means actuated by the indicator at the end of its material discharge travel over said course to feed material to said hopper, and means actuated by the indicator on its return over-said course to stop said feeding means.



2. In apparatus of the character described including a hopper and means for discharging a predetermined amount of material from said hopper at a predetermined rate; the said discharging means comprising means acting during a correcting period and subsequent to abnormal rate of discharge of material from said hopper to effect inversely abnormal rate of discharge of material from said hopper, and means acting during said correcting period and during inversely abnormal rate of discharge to alter inversely abnormal rate of discharge sufficiently to restore discharge of material from said hopper to said predetermined rate.

2,544,156
PEN NIB SLOTTING APPARATUS
Claude M. Hathaway, Denver, Colo.
Application May 28, 1947, Serial No. 751,162
7 Claims. (Cl. 51—2)

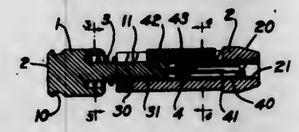


1. A control circuit for orienting a work piece relative to a tool comprising a pair of electromagnetic members having movable armatures for varying the effective impedance of said members, means connected to each of said armatures for independently engaging said work piece, means resiliently biasing said armatures toward predetermined positions, means for supplying current to said electro-magnetic members, and means responsive to the difference in the effective impedances of said members for orienting said work piece.

2,544,157
PURIFICATION OF NICOTINAMIDE
Richard V. Heinzelmann, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application May 8, 1947, Serial No. 746,877
7 Claims. (Cl. 260—295.5)

1. In a process for the purification of nicotinamide, the improvement whereby a therapeutically satisfactory product is obtained directly, which comprises: treating an impure reaction product resulting from ammoniation of a compound selected from the group consisting of nicotinic acid and esters thereof, with an excess of alkaline earth base, in amount up to about 50 percent excess over that theoretically required to neutralize the acid and ammonium nicotinate present, and an aqueous polycarbon monohydric alcohol containing at least 75 percent alcohol, said alcohol containing from three to five carbon atoms, removing that amount of water which is necessary to bring the mixture to a state wherein it contains less than about two percent water; separating undissolved solids from the substantially anhydrous mixture; and thereafter separating the thus-purified nicotinamide from the resulting mixture by crystallization.

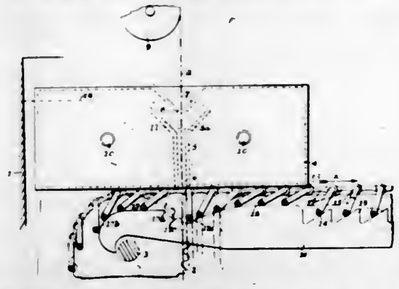
2,544,158
HEAD SPACE GAUGE
George Allen Henderson, Seattle, Wash.
Application June 27, 1945, Serial No. 601,775
7 Claims. (Cl. 33—143)



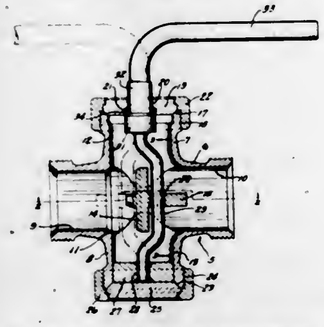
1. An ordnance headspace gauge comprising a bolt-engaged member and a shoulder-engaging member cooperatively formed to fit wholly and bodily within the closed chamber of the ordnance piece, and relatively movable axially of the chamber by closing pressure of the bolt, and a slide mounted for axial sliding movement by one of said members and engaged for such sliding movement by the other member during bolt-induced relative axial approach of the two members, the slide and the slide-mounting member bearing cooperating scale and index marks to indicate the chamber's headspace.

2,544,159
WEB FESTOONING DEVICE
Maurice G. Hinnekens, Paterson, N. J.
Application January 25, 1946, Serial No. 643,392
2 Claims. (Cl. 271—2.2)

1. In combination with means to deliver fabric over a downward course and in a pendant state, a carrier provided with substantially U-shaped freely pivoted cross members movable lengthwise with the carrier and over a path intersecting said course, a rail disposed subjacent said carrier and provided with spaced member-actuating sections arranged in said path prejacent and postjacent said course, respectively, for engaging and maintaining said members in trailing relation with respect to their pivots during movement of said carrier relative to said sections and with said members assuming verticality between said sections to engage said fabric and effect looping of the latter over said members for movement with the carrier.



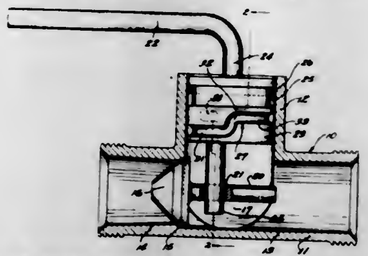
2,544,160
VALVE
Ferdinand Hinrichs, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application April 19, 1946, Serial No. 663,265
10 Claims. (Cl. 251—39)



1. In a valve, a tubular body forming a fluid conduit and having axially alined portions of different bore diameters to provide a valve seat therebetween, a cylindrical valve member of substantially the same diameter as said larger bore movable axially therein into and out of engagement with said seat, a tubular extension projecting at a right angle from the larger bore portion radially with respect to the axis of said bore and adjacent said seat, a tubular extension projecting from the opposite side of said body and in axial alinement with said first extension, and a crank shaft having opposite end portions rotatably supported in said extensions and having an intermediate eccentric portion engageable with said valve member to operate the latter, said tubular extensions having bores of less diameter than the bore within which the valve member moves whereby there are opposite side portions of said larger bore which are engaged

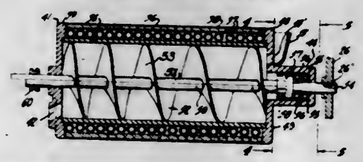
by said valve member throughout the length of movement thereof to guide and maintain said valve member in alinement with its valve seat.

2,544,161
COMPRESSION VALVE
Ferdinand Hinrichs, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application April 19, 1946, Serial No. 663,266
9 Claims. (Cl. 251—39)



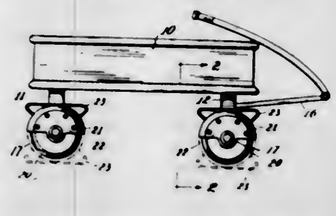
1. In a valve, a tubular body portion forming a fluid conduit and having axially alined inlet and outlet portions of different bore diameters to provide a valve seat therebetween, a valve member having a circular portion of substantially the same diameter as the larger bore portion and coaxial therewith and movable axially therein into and out of engagement with said seat, there being portions of said larger bore engaged by the periphery of said circular valve portion throughout the length of movement of said valve, a tubular extension projecting at an angle from said body portion adjacent said seat and between said inlet and outlet portions, said extension having a bore portion of greater diameter than the larger bore portion of the tubular body to produce oppositely disposed bulges at the juncture between said tubular extension and tubular body portion, said bulges being located on each side of the valve member when the latter is in open position, and valve operating mechanism having a portion located in said tubular extension.

2,544,162
FREEZER
Wilbur D. Houston, Elizabeth, N. J., assignor of one-half to William C. Newman, Elizabeth, N. J.
Application December 22, 1947, Serial No. 793,143
7 Claims. (Cl. 259—45)



1. A freezer unit having a freezer compartment, a combined beater and conveyor rotatably within said compartment, said conbined beater and conveyer comprising a screw shaft split longitudinally and including a pair of relatively longitudinally movable shaft parts, each of said parts carrying complementary screw elements which when in registering position provide a conveyer and when in non-registering position provide a beater, and means for causing relative movement of said shaft parts.

2,544,163
COMBINATION WAGON AND SLED
John Hyde, Pittsburgh, Pa.
Application November 5, 1949, Serial No. 125,760
3 Claims. (Cl. 280—10)



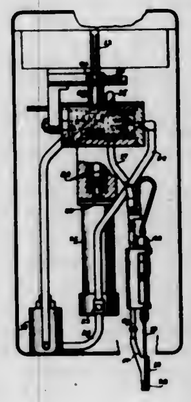
1. In combination, an axle adapted to be mounted for rotation on a vehicle body supporting member, a wheel rotatably mounted on each end of the axle, a cover fixedly mounted on the axle over each wheel, runner means on each cover, cam means fixed on the axle intermediate the ends thereof, and resilient cam retainer means adapted to be mounted on the vehicle body supporting member to hold the axle against rotation whereby with the cam in one position the cover is held substantially above the center line of the wheel with the wheel in contact with a surface over which the vehicle is to be moved and with the cam rotated 180 degrees from said one position the cover is held substantially below the center line of the wheel with the runner in contact with the surface over which the vehicle is to be moved.

2,544,164
2-BROMOTHIOPHENE
Carl E. Johnson and George M. Wagner, St. Louis, Mich., assignors to Michigan Chemical Company, St. Louis, Mich., a corporation of Michigan
No Drawing. Application November 24, 1947, Serial No. 787,864
6 Claims. (Cl. 260—329)

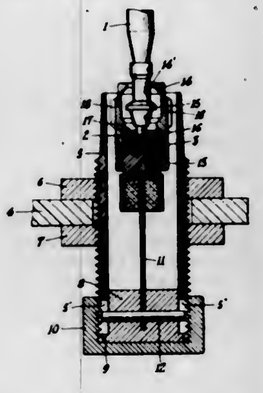
6. The process which includes: preheating bromine to a temperature of at least about 58 degrees centigrade, vaporizing the preheated bromine, and introducing the preheated vaporized bromine into liquid thiophene, the amount of bromine employed being less than that theoretically required to convert the thiophene to 2-bromothiophene, at a reaction temperature above about 20 degrees centigrade, and separating 2-bromothiophene from the reaction product.

2,544,165
POWER-OPERATED SEMIAUTOMATIC SCREW DRIVER
Leonard L. Krasnow, Worcester, Mass., assignor, by mesne assignments, to Air-A-Feed Equipment, Inc., Worcester, Mass., a corporation of Massachusetts
Application June 5, 1948, Serial No. 31,383
8 Claims. (Cl. 144—32)

1. A fastener feeding and driving mechanism comprising a hollow work head having a fastener delivering air duct leading thereto, a hollow work engaging plunger having fastener carrying jaws and a port communicating with said duct, said plunger being slidable relative to the head when manually applied to a work piece and arranged to serve as a valve to close the duct, and power mechanism including a driver slidably movable within said head and plunger which releasably engages and drives the fastener held in the plunger jaws when the plunger is pressed against the work piece.

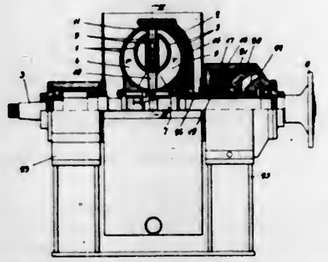


2,544,166
METER BEARING
Josef Limberger, Zug, Switzerland, assignor to Landis & Gyr, A. G., a body corporate of Sweden
Application April 27, 1946, Serial No. 665,488
In Switzerland May 28, 1945
2 Claims. (Cl. 308—230)



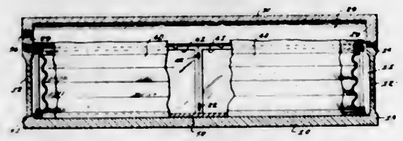
1. In a bottom bearing for electricity meters having a rotating spindle, cup and ball bearing means for the end of the spindle, and a support in which a cup of said bearing means is countersunk, the combination of an apertured cap through which the spindle end extends threaded to said support and surrounding said bearing means and having an internal shoulder, and an annular guard ring seated on said support and the upper edge of said cup closely surrounding the spindle end when supported on said bearing means and engaged by said shoulder when the cap is in the screwed on position.

2,544,167
REVERSIBLE ROTARY HYDRAULIC COUPLING
Sven Gösta Lundgren, Hammarbyhojden, and Erik Otto Eriksson, Lidingo, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, as trustees
Application April 26, 1945, Serial No. 590,394
In Sweden March 27, 1945
6 Claims. (Cl. 60—54)



1. A reversible hydraulic coupling of the closed circuit type comprising a driving member having a row of pump blades, a driven member having a row of turbine blades, means for reversing the direction of rotation of said driven member comprising a first row of guide blades receiving fluid directly from the pump blades and discharging directly to the turbine blades and a second row of guide blades receiving fluid directly from the turbine blades and discharging directly to the inlet of the pump blades, said guide blades being rotatably mounted and having means operatively associated therewith for selectively holding said guide blades rotationally stationary or releasing them to rotate freely and means for withdrawing at least said first row of guide blades from the circuit when the guide blades are released to rotate.

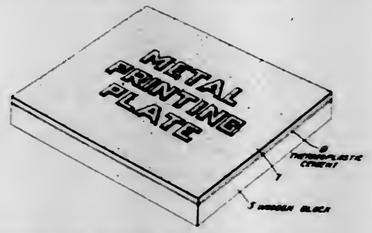
2,544,168
LINING DEVICE FOR CASKETS AND THE LIKE
Carl W. Lusby, Mount Vernon, Ohio
Application August 6, 1948, Serial No. 42,874
2 Claims. (Cl. 27—19)



1. A lining device for caskets and the like, comprising a flat rectangular floor panel removably mounted within the casket and arranged upon the bottom of the casket, open upstanding rectangular side frames removably mounted within the casket upon the floor panel and disposed adjacent to the sides of the casket and including top and bottom horizontal rails and vertical end rails connecting the top and bottom rails, the top and bottom rails of the side frames being provided with longitudinally spaced notches, open upstanding rectangular end frames removably mounted within the casket adjacent to the ends thereof and arranged between the upstanding side frames at the opposite ends of the side frames, the end frames including substantially

horizontal top and bottom rails having longitudinally spaced notches formed therein and vertical end rails disposed adjacent to and laterally inwardly of the vertical end rails of the side frames in substantially contacting relation therewith, clips secured to the side and end edges of the floor panel and having parts projecting above the floor panel for engagement within the notches of the bottom rails of the side and end frames, hooks for engagement within the notches of the top rails of the side and end frames, and a lining of thin sheet material for the casket and arranged upon the inner sides of the side and end frames and extending entirely about the sides and ends of the casket and secured near its top to the hooks, the hooks serving to suspend the lining from the side and end frames, the lining extending from the top rails of the side and end frames substantially to the bottom of the casket.

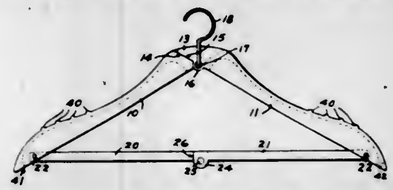
2,544,169
METHOD OF BONDING METAL PRINTING PLATES TO WOODEN SUPPORTS
Joseph F. Manning, Newton, and Malcolm Seymour, Boston, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application October 10, 1945, Serial No. 621,520
1 Claim. (Cl. 154—129)



A method of firmly attaching a metal printing plate to a wooden supporting block, said method including the forming of an adherent dry film of a thermoplastic cement on the wooden block, said cement comprising a large proportion of an oil-resistant synthetic rubber, a smaller proportion of a thermosetting phenolic resin, and a mineral filler, heating the metal plate out of contact with the cement, pressing the heated plate against the dry film of cement adhering to the block to fuse the cement solely by the heat contained in the plate at the time of contact, and maintaining the pressure until a strong bond is formed by cooling and hardening of the cement.

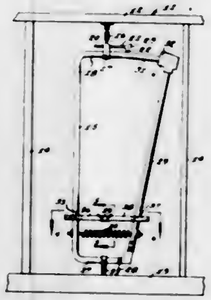
2,544,170
FOLDING GARMENT HANGER
Fred M. Mills, Portland, Oreg.
Application April 30, 1946, Serial No. 666,091
2 Claims. (Cl. 223—94)

1. A folding garment hanger comprising two main hanger members of molded plastic and of inverted channel shape in cross section to provide grooves in their lower edges; a relatively deep groove of approximately one-third of the thickness of a main hanger member provided medially in the upper end portion of one of said hanger members, said relatively deep groove having flat inside walls and having an inclined bottom wall; a relatively long tongue of approximately one-third the thickness of a main hanger member provided medially on the upper end portion of the other hanger member adapted to fit snugly within the relatively deep groove and having shoulders and a straight bottom edge portion adapted to engage with the bottom edges of the deeply grooved member and with the bottom wall of the relatively deep groove to limit relative angular opening movement of said two hanger members; downwardly extending aligned pivot receiving lobes on each of said main hanger members; a tubular pivot member extending through said lobes and pivotally connecting said two main hanger members, the axis of said tubular pivot being in the planes of intersection of the bottom edges of said two main hanger members and the shoulders provided by the groove and tongue members of the upper end portions of said main hanger members; a hook having two spaced apart sides adapted to fit over the inter-



fitting portions of said two main hanger members and connected at their upper ends by a cross b.. ; two inwardly directed pins on the lower end portions of the sides of said hook adapted to fit into said tubular pivot member to pivotally secure said hook to said main hanger members; and two spacer bar members of equal length each having an end portion pivotally connected with one of the main hanger members near the lower end of the hanger member, the other end portions of said two spacer bar members having downwardly extending interfitting lobes of tongue and groove shape and said lobed portions having shoulders that abut when the spacer bars are in alignment and said lobed portions being pivotally connected together by a transverse pivot that is positioned below a straight line passing through the pivot connections at the ends of said spacer bars to prevent folding of the spacer bars under load when the hanger is extended.

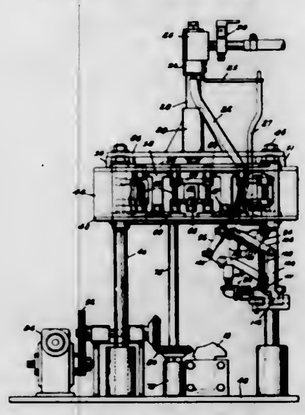
2,544,171
AUTOMATIC COW STANCHION DEVICE
Edgar D. Mitchell, Taos, N. Mex.
Application December 16, 1949, Serial No. 133,369
3 Claims. (Cl. 119—147)



1. A cattle stanchion comprising a pair of upstanding bars arranged in parallel space relation with respect to each other and connected together

at one end for movement toward and away from each other, interengaging means on the other ends of said bars for detachably connecting said bars in their position of movement toward each other, spring means extending transversely of and between said bars adjacent to and spaced from said one end thereof and connected to said bars for urging the latter toward each other, a pair of links arranged in end to end line relation positioned above and in parallel space relation with respect to said spring means and each having the non-confronting end pivotally connected to the adjacent bar, means pivotally connecting the confronting ends of said links together, and a second spring means operatively connected to said means for urging said links into the aligned relation.

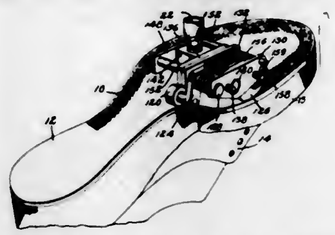
2,544,172
AUTOMATIC MACHINE FOR CEMENTING PLATFORM SOLES
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 23, 1948, Serial No. 34,596
8 Claims. (Cl. 12—80)



1. Shoe-part coating means comprising a track having the approximate shape of the shoe part, a coating device having a line of outlet openings, a support for said coating device having a pair of rollers guided by said track and spaced a substantial distance apart to maintain the line of openings in a position substantially normal to the periphery of the shoe part, and means for moving said support and coating device along the track to coat the peripheral portion of the shoe part.

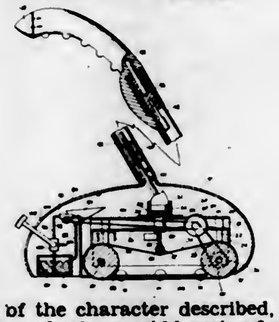
2,544,173
ARTICULATED NOZZLE FOR SOLE CEMENTING MACHINES
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application June 23, 1948, Serial No. 34,596. Divided and this application September 9, 1949, Serial No. 114,785
4 Claims. (Cl. 91—12)

1. A coating nozzle comprising a fixed block having a supply duct adapted to be connected to a source of coating material, yieldably mounted fingers on the nozzle having work-contacting faces and having other faces sliding along a surface of the block, said fingers having passages from said sliding faces to their work-contacting faces, said block having matching passages from the duct to the aforementioned surface of the block adjacent to the fingers, one set of passages



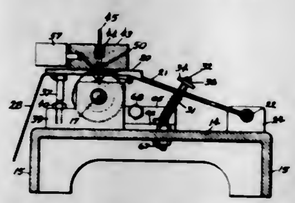
being elongated adjacent to the meeting ends of said passages to permit relative movement therebetween without disconnecting the passages.

2,544,174
DOMESTIC ELECTRIC FLOOR POLISHER, BUFFER, AND APPLICATOR
Richard A. Ohmert, Glendale, Calif.
Application March 22, 1946, Serial No. 656,178
1 Claim. (Cl. 91—18)



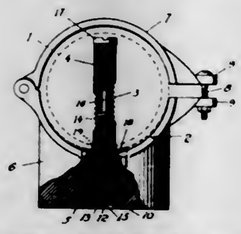
A device of the character described, comprising a housing, wheels on said housing for movably supporting the same, a horizontal fixed plate in said housing, a horizontal movable plate in said housing below said fixed plate, a pair of relatively spaced rollers journaled on said movable plate, an endless belt entrained over said rollers for polishing a floor surface, a spring pressed plunger connected to said movable plate and extending upwardly through said fixed plate, a handle pivotally mounted on said housing and having means for engaging said plunger whereby movement of said handle will cause the said spring pressed plunger to move said movable plate downwardly to cause engagement of the endless belt with the floor, a reservoir for liquid wax mounted in said housing at one end of said plates for applying liquid wax to the floor surface, a funnel for said reservoir, a filler tube connecting said funnel to said reservoir, a U-shaped nozzle in said housing positioned on opposite sides of said belt, a pump connected to said nozzle, a tube connecting said pump to said reservoir, a foot operated valve interpolated in said last mentioned tube between the pump and reservoir, operative means for driving the said rollers, operative means between said rollers and said pump for actuating said pump upon rotation of said rollers so that upon operation of said foot valve liquid wax will be applied to the floor surface to be polished by the endless belt, and tensioning means carried by said housing and engaging said belt for the tensioning thereof.

2,544,175
MACHINE FOR TRIMMING THE FINGER PLATE ON A PIANO KEY
Herbert D. Oslund, Minneapolis, Minn.
Application April 2, 1948, Serial No. 18,575
11 Claims. (Cl. 144—2)



5. In a device of the class described, a base, a rotary cutter on the base, a table overlying the base, means yieldingly holding the table in a raised position, a fixed supporting block on the table for a piano key having a finger plate to be trimmed, said block having therein a channel extending perpendicular to the plane of the cutter, and a fixed two sided guide plate extending longitudinally through its channel at the transverse center and spaced from the sides thereof.

2,544,176
SPRAY NOZZLE AND ATTACHMENT
John E. Palmer, Calgary, Alberta, Canada
Application April 20, 1949, Serial No. 88,600
In Canada April 26, 1948
3 Claims. (Cl. 299—106)



1. A spray nozzle device as described for clamping to a spray boom pipe without being screwed thereto, comprising a hollowed stem closed and headed at one end, and open at the opposite end, and insertable into the boom pipe through an aperture in the bottom wall thereof, and having a passageway communication between the interior of the stem and the inside of the boom pipe, a base portion as part of the nozzle device, an apertured stem holder insertable into said base portion into which said stem is screwed and having a tip portion apertured for spraying liquid, a removable filter screen enclosing said stem, and a gasket between said holder and the boom pipe to render the device leak proof when clamped around said boom pipe.

2,544,177
CURTAIN AND DRAPERY HANGER
Moses L. Paradise, Milwaukee, Wis.
Application March 22, 1946, Serial No. 656,404
1 Claim. (Cl. 211—103)

A vertically adjustable drapery hanger, comprising brackets adapted to be secured to a window frame, said brackets having pintle openings spaced substantial distances from the outer ends of the brackets and having vertical slots extending inwardly from the lower edges thereof adjacent to the outer ends of the brackets, the open ends of the slots being wide, a spring roller having pintles mounted in the pintle openings of the brackets, a flat rod having rearwardly curved ends, adapted to receive a drapery, cords adapted



to be wound on the spring roller and connected to said roller and said flat rod, whereby the rod may be elevated by the spring roller and cords, and said flat rod adapted to move into the vertical slots, the rod being gripped by the edges of the slots securing the rod in position within the brackets.

2,544,178
FROG FISH LURE
Lloyd L. Pfahler, Mansfield, Ohio
Application December 11, 1947, Serial No. 791,114
2 Claims. (Cl. 43—42.3)

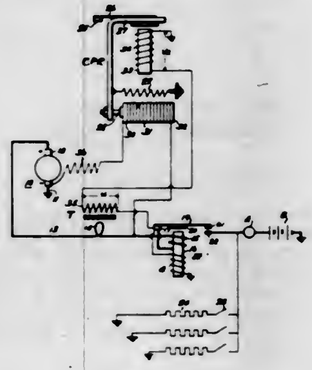


1. An artificial fish bait or lure formed to simulate a frog or the like comprising in combination, a main generally ovate body portion, a pair of legs, said legs being formed of substantially flat rubber or like resilient material, the legs each consisting of a thigh portion rigidly secured at one end to a rearward portion of the main body portion of the lure and in lapped relation to the main body portion when in its initial position, a leg portion integrally formed with the thigh portion and disposed in lapped relation therewith when the leg is in its initial position, and a foot portion secured to the free end of said leg portion and in generally lapped relation therewith when the leg is in its initial position, movement of the lure through water causing said lapped portion of each of said legs to move rearwardly of each other and of the lure body, said foot members being disposed in a forwardly and outwardly extending position when in the initial position thereof and in a rearwardly and outwardly extending position when in the extended position thereof.

2,544,179
GENERATOR REGULATOR
William J. Rady and Lyman A. Rice, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1949, Serial No. 76,824
1 Claim. (Cl. 320—32)

A current generating system comprising a D. C. generator having a shunt field winding, a load circuit connected with the generator and having current consuming devices and switches for controlling them whereby the current output of the

generator can be varied, a regulator including a carbon pile in series with the field winding, a spring for increasing pressure on the pile and an electromagnet for decreasing the pressure on the pile and having a magnet coil responsive to generator voltage, and means for modifying the action of the regulator coil and including a transformer having a primary winding in series with



the current consuming devices and a secondary winding in series with the magnet coil and having polarity such that, when generator current output decreases, the induced secondary winding voltage bucks the voltage impressed on the magnet coil and such that, when generator current output increases, the induced secondary winding voltage aids the voltage impressed on the magnet coil.

2,544,180
MULTIPLE ELECTRICAL RAIL BOND
Charles D. Richards, Eddyville, Ky.
Application December 11, 1946, Serial No. 715,447
7 Claims. (Cl. 172—324)



6. An electric bond of the character described comprising a bar of electric current conducting material formed to provide a plurality of flat sections, each section having an obliquely extending portion extending across an edge of and joined to an adjacent section, the joining part between an oblique portion and an adjacent section being in the form of a wall perpendicular to the section.

2,544,181
TRAILER HITCH FOR TRACTORS
Clarence B. Richey, Royal Oak, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application June 29, 1949, Serial No. 102,077
7 Claims. (Cl. 280—33.44)

1. In combination with a tractor having a laterally spaced pair of hydraulically operated hitch links and a centrally disposed compression link connection pin, a hitch comprising a draw bar, means for mounting said draw bar on said hitch links, a lock member pivotally mounted on said draw bar, latch means on said lock member automatically engageable with said connection pin as said hitch links are raised to lock said hitch



links in said raised position, and means on said draw bar for connection to a trailed device.

2,544,182
VENTILATOR
Marion G. Roberts, Parkersburg, W. Va., assignor to The Airolite Company, Marietta, Ohio, a corporation of Ohio
Application March 25, 1948, Serial No. 17,010
5 Claims. (Cl. 98—121)



1. A ventilator comprising a rectilinear frame, including spaced horizontal top and bottom frame members to be mounted in an opening in a wall, spaced vertical cylindrical rods, annular retaining elements removably mounted on opposite end portions of said rods, means for securing said annular retaining elements in engaged relation with the top and bottom frame members and for fixing said rectilinear frame in said opening constituted as fasteners to be passed through the annular retaining elements and the top and bottom frame members and anchored in portions of said wall bounding upper and lower portions of said opening, supporting brackets each constituted as a collar removably mounted on one of the rods for slidable and rotatable adjustment and a louver supporting member rigid with said collar, and means for independently fastening each of said collars in fixed relation to its corresponding rod.

2,544,183
AIRCRAFT RADIO COOLING
Philip S. Rogers, Willard O. Emmons, John W. Godfrey, and James Milton Kelso, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 7, 1948, Serial No. 43,054
4 Claims. (Cl. 257—244)

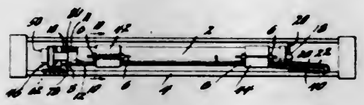
1. For the dissipation of heat from electronic equipment enclosed within an airtight container for installation on aircraft, a heat exchanger including a central plate for closing and sealing

attachment over an opening in the container wall, a pair of end plates on opposite sides of and spaced from the central plate with oppositely projected tubular formations constituting incoming conduits for connection with air blowers placed inside and outside the container and for directing blower air for outward flow through the respective spaces between opposite faces of the



central plate and said end plates and a succession of circular runs of helically coiled wire within each of said spaces, each run being closely fitted to its neighbor run and having narrow elongated coils, whose opposite end loops are fixedly joined to the space defining plates and whose flat sides extend as finely separated straight pins across the spaces.

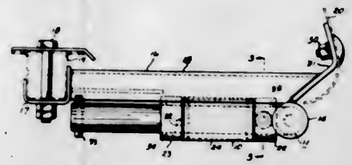
2,544,184
TILTING MECHANISM FOR VENETIAN BLINDS
Harry S. Rosenbaum, Baltimore, Md.
Application July 2, 1947, Serial No. 758,532
2 Claims. (Cl. 160—177)



1. A coupling between the tilt mechanism and tilt pole of Venetian blinds, in combination with a hollow shaft having a notch at one end and a slot substantially diametrically opposite said notch and spaced from said end of the shaft so that the innermost circumferential edge of said slot is in substantial registry with the base of said notch, an outer leg of a U-shaped rocking member within said hollow shaft and having a pair of outwardly projecting lugs in substantial alignment with each other, one of said lugs fitting in and resting in said notch and the other lug fitting in and resting in said slot.

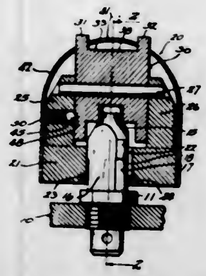
2,544,185
TRAILER HITCH
Frank T. Sargent, Clio, Mich.
Application May 18, 1948, Serial No. 27,744
4 Claims. (Cl. 280—33.44)

1. A retractable trailer hitch for a motor car having a rear bumper comprising, a longitudinal bracket adapted to be attached at one end to the framework of the car and at the other end to the bumper, a sleeve having a longitudinal opening therethrough, means to mount said sleeve on said bracket with the opening thereof extending in a direction adapted to be in the longitudinal direction of the car, and L-shaped hitch bar having an attachment leg and a hitch leg, said attachment leg being receivable in said opening of the sleeve in a first position with the hitch leg retracted relative to the sleeve and thereby being adapted to be stored beneath the car forward of the bumper, and being receivable in said opening



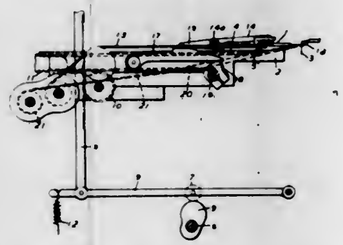
of the sleeve in a second position with the hitch leg extended relative to the sleeve and thereby being adapted to extend rearwardly of the bumper, and positive engagement clamp means to secure said attachment leg in the said first position during storage periods, and to secure the attachment leg in the extended position for attaching a trailer thereto.

2,544,186
PRESSURE REGULATOR
Frederick Sayers, Fort Atkinson, Wis., assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application November 22, 1946, Serial No. 711,528
3 Claims. (Cl. 137—53)



1. In combination, a nozzle applicable to the wall of a pressure vessel and having a vent orifice and an externally tapered conical tip, said nozzle having a relieved portion below said tip forming a shoulder at the boundary of said relieved portion, a removable regulating appliance resting by gravity on said nozzle and comprising an annular body surrounding the nozzle and free for limited reciprocation along the relieved portion of the nozzle, said body having a channel opposite the relieved portion of the nozzle, a contractile resilient key in the channel in engagement with the relieved portion of the nozzle and adapted yieldably to limit reciprocation of said body by engagement of said key with said shoulder, a pair of spaced ears upstanding from said annular base, a spool-shaped rotor between said ears, a pintle supported by said ears and upon which said rotor is rotatable, said rotor comprising spaced disk portions and an intervening valve portion provided at angularly spaced points with differentially diametered sockets for cooperation with said tapered nozzle tip.

2,544,187
WELT TURNING MECHANISM FOR STRAIGHT BAR KNITTING MACHINES
Harry Wilfred Start, Carlton, and Ernest Start, Wilford, England, assignors to William Cotton Limited, Loughborough, Leicestershire, England
Application December 11, 1946, Serial No. 715,418
In Great Britain September 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 6, 1965
7 Claims. (Cl. 66—96)

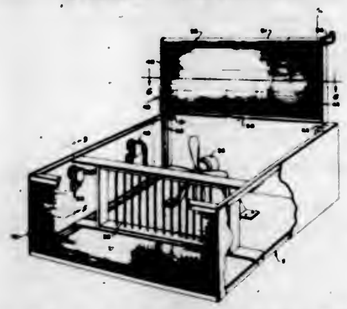


1. Welt turning mechanism including the combination, with means for supporting a plurality of needles, and a stationary support; of a welt bar slidably mounted on the stationary support and having a plurality of welt hooks adapted to cooperate with the needles; advancing and retracting means for moving the welt bar on said stationary support toward the needles for receiving loops or kinks of an initial welt course in the welt hooks and to return the initial course to the needles; auxiliary means for withdrawing the welt bar from said needles during the knitting of at least an initial part of the welt; and means for periodically imparting a quick retraction to said welt bar to disengage the welt hooks from the initial welt course when the latter has been returned to the needles.

2,544,188
PROCESS FOR THE MANUFACTURE OF CARBURETED WATER GAS AND LIKE GASES
Michael Steinschlaeger, London, England
Application April 3, 1944, Serial No. 529,387
In Great Britain April 29, 1943
3 Claims. (Cl. 48—196)

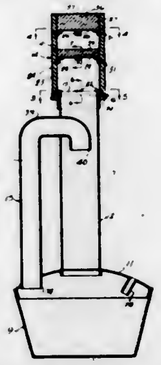
1. A process of making carburetted water gas with simultaneous cracking of heavier hydrocarbons to produce a fixed gas for the carburettion and a liquefiable fraction, which comprises introducing oil and at least one substance selected from the group consisting of steam and carbon dioxide into a regenerator heated to a temperature sufficient to promote reaction of the oil hydrocarbons with the selected substance to form water gas and sufficient to insure that the resulting water gas product discharges therefrom at a temperature of at least 1100° C., leading the water gas from said regenerator and thereafter, while the gas is still heated to a temperature of at least 1100° C. and in the absence of checker brick contact material, introducing oil into said gas and causing cracking thereof solely by the sensible heat contained in said gas, and thereafter separating and recovering the liquefiable hydrocarbons resulting from the cracking treatment.

2,544,189
CHICKEN BROODER
Vance C. Tankersley, Miles, Tex.
Application August 23, 1946, Serial No. 692,558
2 Claims. (Cl. 219—39)



1. In a brooder, an enclosure for the chicks, an electric fan arranged to circulate air through the enclosure, an electrical heating element positioned in the path of said air, a thermostatically controlled electrical switch within the enclosure, said switch electrically connected to the circuit operative of the fan only and arranged to close said circuit to the fan at a predetermined temperature, and a second thermostatically controlled electric switch within the enclosure connected with the circuit controlling both the fan and heater element and arranged to close both of said circuits at a predetermined temperature.

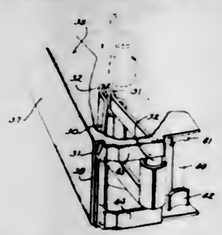
2,544,190
FILTERING MEANS FOR THE STACKS OF SMUDGE POTS AND THE LIKE
Arthur L. Todd, San Dimas, Calif.
Application November 10, 1949, Serial No. 126,605
2 Claims. (Cl. 158—91)



1. In combination, a source of gaseous products of combustion having oil and smudge-producing particles therein, a stack having a discharge end through which said gaseous products are moved from said source, a clearing and filtering assembly on said discharge end of said stack acting to strip the oil and smudge-producing particles from the gaseous products as the same emerge from said discharge end, and a breather pipe having an intake end opening into said stack near said discharge end to intake from said stack a portion of the gaseous products moving therein toward said discharge end, said

breather pipe having an outlet end communicating with said source whereby said portion of the gaseous products is returned to said source, said clearing and filtering assembly comprising a foraminous cylinder mounted concentrically on said discharge end of said stack, a foraminous breaker partition in said cylinder intermediate the ends thereof, and a filter partition closing the outer end of said cylinder, said filter partition being spaced from said breaker partition to define a chamber.

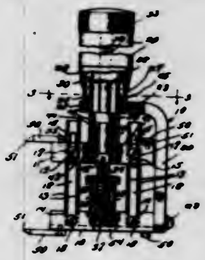
2,544,191
CONVEYER FOR MANURE DISPOSAL SYSTEMS
Gilbert Tomfohrde, Arpin, Wis.
Application July 20, 1944, Serial No. 545,851
7 Claims. (Cl. 198—176)



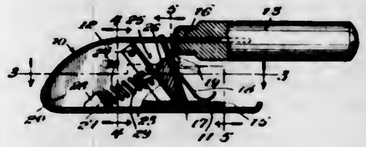
6. In a conveyor of the class described, the combination with a chain comprising links with interlocked arcuate ends relatively pivotally movable and separable upon relative pivotal movement to extreme positions, of an arm projecting laterally from the chain and having a terminal portion detachably engaged by parts of first and second consecutive links, said portion comprising upper and lower link engaging channels each including outer flange means respectively extending along upper and lower margins of the second of said links, and opposed inner means spaced beyond the ends of the flange means and engaged respectively by link portions near corresponding ends of the respective links, the first of said consecutive links engaging said inner means forwardly of the interlocked ends of said links, whereby the said interlocked ends may be swung inwardly of the flange means between the spaced inner means to disengage the second link from the inner means engaged thereby and to free both said links for withdrawal between the flange means and the inner means normally engaged by the first said link.

2,544,192
ADJUSTABLE BLOCK GAUGE
Irving Tornansky, Hartford, Conn.
Application August 28, 1945, Serial No. 613,051
2 Claims. (Cl. 33—164)

1. An adjustable gauge block comprising a first block, a bracket positioned transversely of said block adjacent one end thereof and having one end fixedly secured to said block, an internally threaded guide nut having one end open superimposed on said block intermediate its ends and fixedly secured thereto, a scriber arm projecting from the other end of said block, a hollow sleeve positioned in alignment with and spaced from said guide nut extending through the other end of said bracket and fixedly secured to said other end of said bracket, a second block positioned in parallel spaced relation with respect to said first named block surrounding one end of said sleeve and mounted on said first named block for movement toward and away from the latter, a second scriber arm projecting from the end of said second block adjacent to said other end of said first named block, a spindle element rotatably supported within said sleeve and having one end extending into and in threaded engagement with the threaded open end of said guide nut and having the other end projecting out of and terminating at a point beyond the other end of said sleeve, and a bearing element carried by said spindle element and in threaded engagement with said second block for securing said spindle element in position in said second block, and hand actuable means on the projecting end of said spindle element for effecting rotation of the latter.

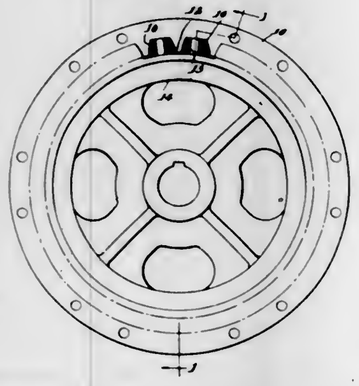


2,544,193
SCISSORS SHARPENER
Vincent Trapani and Harvey Krohn, Los Angeles, Calif.
Application September 13, 1949, Serial No. 115,503
2 Claims. (Cl. 76—82.2)



1. A scissors sharpener comprising a frame, said frame including a bottom wall and a top wall arranged in spaced parallel relation above said bottom wall, a handle projecting from said top wall and secured thereto, a plurality of spaced parallel pins projecting from said bottom wall and defining a guideway, a file slidably arranged in said guideway, a body member arranged at an obtuse angle with respect to said bottom wall and extending between said bottom wall and top wall, the lower end of said body member being secured to said bottom wall, there being a cutout in said body member for the projection therethrough of said file, a pair of side walls extending between said top and bottom walls and arranged in spaced parallel relation with respect to each other, tongue and groove means connecting said side walls to said top and bottom walls, a support member pivotally connected to said side walls and coacting with said body member to define a space therebetween for receiving therein the scissors blade to be sharpened, resilient means for normally urging said support member toward said body member, and a spring member projecting from said body member and having a curved portion arranged in engagement with said file for maintaining the latter immobile.

2,544,194
TOOTHED DRIVE FOR TRANSMITTING POWER
Harry H. Vandersee, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application December 27, 1945, Serial No. 637,445
2 Claims. (Cl. 64—9)



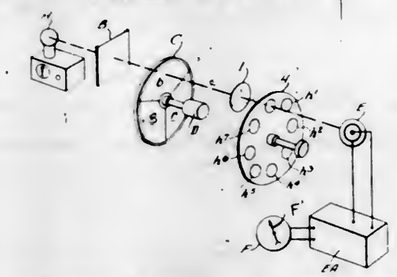
1. In toothed, rotary drive construction wherein power is transmitted between an outer member and an inner, coaxial member, each member having teeth extending into the spaces between the teeth of the other member, a rubber sleeve encircling each tooth on the inner member and providing a snug fit with the teeth on the other member, and means for holding the sleeves against movement due to centrifugal force comprising strips abutting the end faces of each tooth, the inner end of each strip being anchored in the tooth and the outer end bent to overlie a portion of the sleeve.

2,544,195
HIGH-FREQUENCY IRON-CORED COIL
Ewoud Adriaan van Yseren, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 22, 1946, Serial No. 663,824
In the Netherlands, August 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 27, 1962
1 Claim. (Cl. 171—242)



A high frequency inductance coil comprising a cylindrical core of high-frequency iron, a coil winding disposed on said core, and a cylindrical high frequency iron shell encasing said core and said coil comprising two congruent cylindrical portions, one of said shell portions being movable relative to said core and provided with an apertured portion for passing said core therethrough, said core and said movable shell portion interfitting with a constant air-gap.

2,544,196
PHOTOELECTRIC COLOR ANALYZER
Lloyd E. Varden, New York, N. Y., assignor to Pavelle Color Incorporated, New York, N. Y., a corporation of Delaware
Application August 4, 1947, Serial No. 765,823
6 Claims. (Cl. 88—14)



1. The method of determining the color balance of photographic material which is of the monopack color type and which has had different portions separately exposed to light including blue, green and red components and similarly subjected to a non-reversal process to thereby produce a color negative on one portion and a gray patch on another portion of said material, which consists in passing a beam of light from a source of white light through the gray patch portion of said material and during each of a plurality of separate time intervals eliminating from said beam, light of such color different from the color of the light eliminated during each of the other time intervals that a mixture in the proper proportions of the light not eliminated in the different intervals will form an approximately white light, creating an electric current varying in magnitude with the non-eliminated residue of the light passing through said gray patch portion and comparing the magnitudes of the current during the different time intervals, to thereby determine the modification of the printing light needed to compensate for off-color balance of said photographic material.

2,544,197
LOCKING MECHANISM FOR HANDLES OF BLADED TOOLS
Peter S. Vosbikian and Thomas S. Vosbikian, Melrose, Pa.
Application February 28, 1947, Serial No. 731,600
1 Claim. (Cl. 30—262)



Locking mechanism for the handles of bladed tools, comprising the combination with blades pivoted together and handles having grasping portions channel shaped in cross section, pivoted to the rear ends of the blades and having forward extensions pivoted together at their forward ends, of a latch comprising a flat strip having a hook at one end and having the other end pivoted within the channel of one handle in advance of its grasping portion and having an offset pressure portion midway between its hook and pivot and extending laterally of the median line of the tool when the handles are latched, a spring for the latch and tending to move the

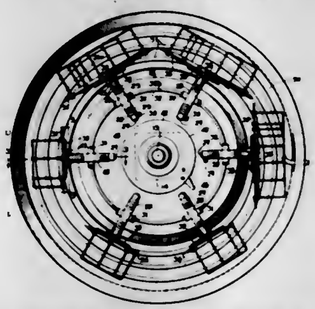
latch into concealed position within its channel except for the pressure portion which extends longitudinally of and in close proximity to the inner face of the handle to which it is pivoted, and a keeper in the channel of the other handle in advance of its grasping portion, said pressure portion when the latch is in latched position being disposed between the handles and extending exterior thereof at one side of the tool.

2,544,198
WAX CONTAINER WITH A PLUG VALVE AND WICK FEED
Peter S. Vosbikian and Thomas S. Vosbikian, Melrose, Pa.
Application December 24, 1947, Serial No. 793,672
2 Claims. (Cl. 222—554)



1. In a waxer and polisher, a wax container open at one end and having a dispensing opening in its wall near such open end, a solid plug sealing said open end and rotatably mounted in said open end, and normally covering said dispensing opening, said plug having a portion of its periphery cut away to form with the container a passage leading to the dispensing opening, and a wick seated in the plug in the transverse plane of the dispensing opening to feed wax to said dispensing opening when brought into registry therewith by rotation of the plug.

2,544,199
MACHINE FOR DIPPING BAGS
Edric W. Vredenburg, Berkeley, Calif., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application February 14, 1946, Serial No. 647,540
7 Claims. (Cl. 91—46)



1. In combination, a substantially circular trough adapted to contain liquid sealing material, a conveyor mounted for movement along a circular path above and substantially parallel to the level of liquid in said trough, a plurality of spaced bag holders supported by said conveyor above said trough, means for actuating said conveyor to move said bag holders with respect to said trough, means for moving each bag holder downwardly and then upwardly with respect to said trough, and means for thereafter tilting each bag holder, said moving means and said tilting means being effective during operation of said actuating means.

2,544,200
THERAPEUTIC AGENT
Stanley M. Wade, Santa Rosa, Calif.
Application August 28, 1948, Serial No. 46,641
2 Claims. (Cl. 128—275)

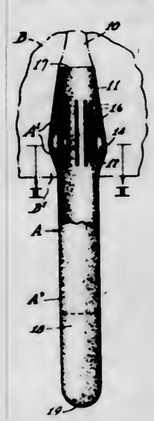


1. In a therapeutic agent of the character described: a frusto-conical shaped tube having a uniform taper throughout its length; the tube having smooth interior and exterior walls; the upper and lower ends of the tube being entirely open, and the smaller being disposed uppermost; a flexible impervious bag provided with an open top and a closed bottom; the tube being positioned entirely within the bag and covered exteriorly thereby, with the top of the bag disposed substantially in registry with the upper end of the tube; the upper portion of the bag having a preformed outwardly-bulged flexible rotund-section surrounding the tube, and extending substantially the greater length of the tube; the rotund-section defining an air space extending circumferentially around the tube, and this section being yieldable to pressure; the bag portion above and below the rotund-section having a fluid-tight fit with the exterior wall of the tube; the lower portion of the bag depending below the tube, and being foldable upwardly into the confines of the tube.

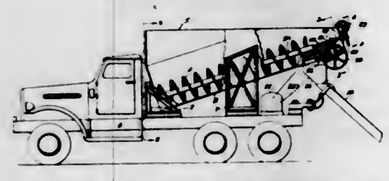
2,544,201
THERAPEUTIC AGENT
Stanley M. Wade, Santa Rosa, Calif.
Application November 19, 1948, Serial No. 61,052
2 Claims. (Cl. 128—275)

1. In a therapeutic agent of the character described: a flexible impervious bag having an open top and an outwardly-bulged upper section; this bulged section defining a relatively long and substantially frusto-conical upper portion, which tapers gradually upwardly and inwardly, thereby facilitating insertion of this portion into an incision or cavity of a patient's body; the bulged section further defining a substantially frusto-conical lower portion tapering abruptly inwardly and downwardly to provide an exterior shoulder against which the part of the patient's body adjacent to the entrance of the incision or cavity tends to close, thereby retaining the bulged section in the incision or cavity; and yielding ribs integral with the interior of the bulged section, and arranged lengthwise thereof along the walls of both the upper and lower frusto-conical portions to give the necessary rigidity thereto during

insertion of the bulged portion; the ribs extending across the juncture of the frusto-conical portions and substantially maintaining the angularity between these oppositely-tapered portions.



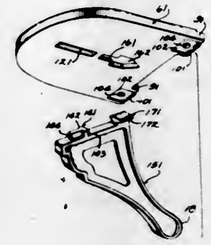
2,544,202
CONCRETE TRANSPORTING BODY
Irving Warner, Wilmington, Del.
Application March 16, 1948, Serial No. 15,057
2 Claims. (Cl. 259—169)



1. A body for agitating and transporting concrete, said body having a hopper with sides sloping toward an elongated, rounded-bottom trough, said trough being inclined between said sloping sides, a screw conveyor freely lying in and fitting the rounded bottom of the trough, power means for rotating the screw conveyor in the direction which will move the concrete from the lower end to the upper end of the trough, and a flexible driving member between the power means and the screw adapted to permit movement of the screw in a direction generally at right angles to its axis, all of said parts being constructed and arranged so that agitation and circulation of the mass may be effected and jamming of the conveyor avoided.

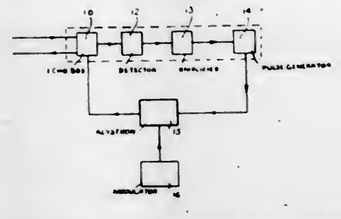
2,544,203
BRACKET SHELF
Lucius D. Watkins, Milwaukee, Wis.
Application December 10, 1948, Serial No. 64,494
4 Claims. (Cl. 248—235)

3. A device of the character described comprising the combination with a molded shelf having aligned slot means, one of which has a wide portion and laterally spaced flanges providing a narrower extension from said wide portion, together with a bracket having a stud provided with a head receivable through the wide portion and slidable into interlocking engagement over said flanges, said bracket having a second stud receivable into the other of said



slot means and of such width as to be engaged therein with a pressed fit.

2,544,204
RADAR RESPONDER BEACON
Harold Raymond Whitfield and Alban Harrison, Barkingside, England, assignors to Henry Hughes & Son Limited, Barkingside, England, a company of Great Britain
Application August 3, 1949, Serial No. 108,344
In Great Britain August 5, 1948
5 Claims. (Cl. 250—17)

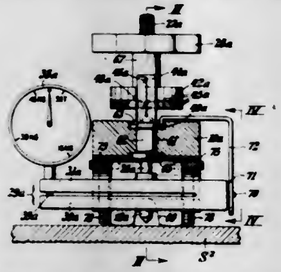


1. A beacon for co-operation with pulse radar sets operating in different, relatively narrow frequency bands within a predetermined, relatively wide band of radio frequencies, said beacon comprising a receiver responsive to incident radiation of any of a large number of frequencies distributed over said band, an oscillator, means to maintain said oscillator normally quiescent, means to apply pulses from the output of said receiver to trigger said oscillator and means to modulate oscillations from said oscillator to distribute radio frequency components thereof over said relatively wide frequency band.

2,544,205
HARDNESS TESTER
William A. Williams, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 7, 1947, Serial No. 767,244
8 Claims. (Cl. 73—81)

7. In a hardness tester for testing the hardness of magnetizable metals, a holding element in the form of a magnet adapted to attach itself to the surface of the metallic specimen to be tested; a point element for penetrating the surface of the specimen; a regulatable adjusting screw element rotative in a bearing centrally over a gap in the magnet; an interposed spring element connecting the penetrating element with the adjusting element; a load indicating guage actuated

through flexure of the spring element as the adjusting element is regulated; and a depth pene-



tration indicating means operated through movement of the adjusting element.

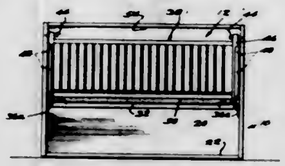
2,544,206
SMOKING PIPE
Charles C. Wilson, Saginaw, Mich.
Application March 9, 1948, Serial No. 13,839
6 Claims. (Cl. 131—195)



1. A smoking pipe comprising a bowl section comprising a bowl having a shank provided with a smoke passage, a shank extension having the forward end connected to said shank, said shank extension being formed with a bore extending therethrough of relatively large diameter communicating with the shank smoke passage, a sidewall of said shank extension being formed with a smaller passage leading rearwardly from an intermediate part of said bore to the rearward end of said extension, a stem section comprising a bit having a forward end of substantially the same diameter as the rearward end of said shank extension, the forward end of the stem having a reduced plug inserted in the rear end of the bore of the shank extension, the forward end of the stem and the rearward end of the shank extension being abutted, the rearward end of said shank extension being formed with a chamfered portion surrounding said plug and with the forward end of said stem and said plug forming an annular smoke passage, there being a radial passage in said plug providing communication between said annular smoke passage and the bit smoke passage, and closure means closing the forward end of said stem smoke passage whereby suction applied to the outer end of the stem smoke passage causes smoke to be drawn from the bowl shank passage into the shank extension bore, thence through said smaller passage into and around said annular passage and through said radial passage into the stem smoke passage.

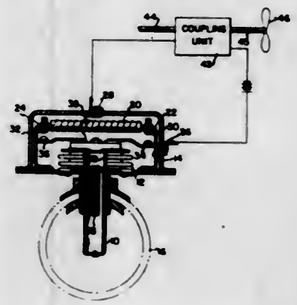
2,544,207
CABINET TYPE FOLDING CRIB CONSTRUCTION
Caliste V. Wilson, North Hollywood, Calif.
Application September 25, 1947, Serial No. 776,037
1 Claim. (Cl. 5—136)

In a bed structure for infants, including a bed spring and a guard-rail for said bed structure, in combination, a cabinet including structural side portions and being provided with oppositely swingable doors hinged to said cabinet, a shelf secured in said cabinet, said shelf being so disposed therein as to form a greater and a lesser compartment in said cabinet, a bed-spring hinged to said shelf for partial support thereof and adapted to be vertically swung into said greater compartment and to be alternatively swung therefrom to extend in a horizontal plane, said doors forming head and foot portions of said bed structure when swung open at 90 degrees



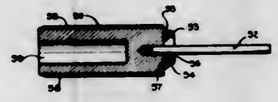
with respect to said cabinet, means on each of said doors to partially support and position said bed-spring when in a horizontal plane whereby said bed-spring acts as a fixture to space said doors in constant position across the ends of said spring, and means upon each of said doors to adjustably position and support said guard-rail vertically and longitudinally of said bed-spring, said guard-rail, cabinet doors and elements of side portions of said cabinet forming an enclosure for said bed structure whereby said bed structure is adapted to serve an infant as a bed and as a play-pen.

2,544,208
THERMOSTATIC CONTROL DEVICE
John E. Woods, Cohasset, Mass., assignor to Standard-Thomson Corporation, Boston, Mass., a corporation of Delaware
Application February 7, 1948, Serial No. 6,934
2 Claims. (Cl. 291—48)



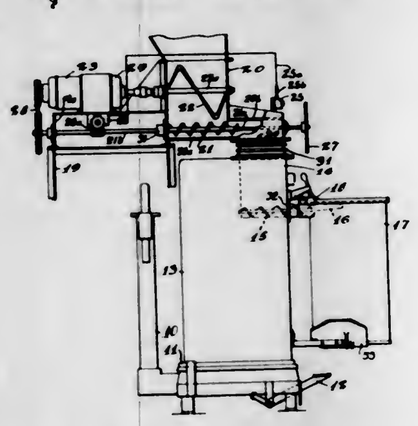
1. In a thermostatic control system for an automotive fan, a thermostatic device including an expansible chamber, the chamber being charged with fluid under vacuum at temperatures below the operating range whereby the chamber is normally at less than its free length, a resistor, means operated by expansion of the chamber due to vapor pressure at increasing temperatures to reduce the resistance of the resistor, and means for shunting the resistor when the chamber is expanded to its free length at a predetermined temperature or through loss of vacuum in the chamber.

2,544,209
METHOD OF FORMING VALVE CLOSURES
Glenn W. Wolcott, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application April 22, 1944, Serial No. 532,272
3 Claims. (Cl. 29—157.1)



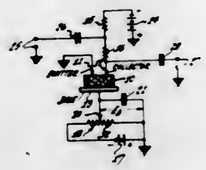
1. The method of forming a closure for an opening in a plane surface which consists in forming a body with concentric annular deformable outwardly extending ring members, inserting an annular resilient deformable ring member of a height substantially equal to the height of said spaced outwardly extending ring members except for an arcuate projecting portion between such ring members and then deforming the free ends of such latter ring members toward each other into gripping engagement with the resilient deformable ring member therebetween and to such an extent as to provide an extruded portion of accentuated arcuate contour serving as an annular resilient sealing ring for engagement with that part of the plane surface surrounding the opening therein.

2,544,210
APPARATUS FOR MEASURING, WEIGHING, AND LOADING LOOSE MATERIALS INTO CONTAINERS
Herbert J. Zenke, Oswego, N. Y., and Edgar E. Arnold, Chicago, Ill., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application March 1, 1945, Serial No. 580,466
5 Claims. (Cl. 226—43)



4. A valve bag filling apparatus having in combination, a weighing device, a spout mounted on the weighing device, means upon the weighing device for holding the bag in filling relation to said spout, a chamber mounted upon the weighing device for holding material to be weighed and fed to the bag, a charging screw conveyor positioned in said chamber for moving material to and through said spout and into the bag, a hopper mounted above said chamber in spaced relation thereto, the hopper being independently mounted relative to said weighing device and having an outlet positioned for discharging material into said chamber, a measuring screw conveyor in said hopper positioned for moving a predetermined quantity of material per revolution to said chamber through the outlet in said hopper, power means for rotating the measuring screw conveyor, power control means for stopping said power means after a predetermined number of revolutions of said measuring screw conveyor, and manually operable means for moving said measuring conveyor.

2,544,211
VARIABLE IMPEDANCE DEVICE
Loy E. Barton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1949, Serial No. 94,006
8 Claims. (Cl. 178—44)

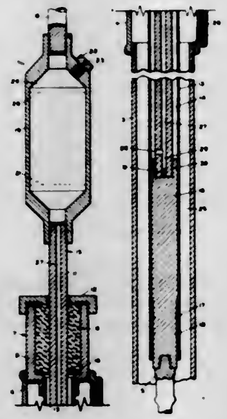


1. A variable attenuation circuit comprising a semi-conducting body, a base electrode, an emitter electrode and a collector electrode in contact with said body, an impedance element, a first source of voltage connected in series with said impedance element between said collector electrode and a point of relatively fixed potential for applying a reverse bias between said collector and base electrodes, a second source of voltage connected between said emitter and base electrodes for applying a forward bias voltage therebetween, means for impressing an input signal effectively between said element and said point of fixed potential, means for deriving an output signal effectively between said collector and base electrodes, and means for varying said forward bias voltage, whereby the impedance looking into said collector electrode is varied.

2,544,212
LIQUID SEAL STUFFING BOX ASSEMBLY AND POLISHED ROD FOR THE SAME
Frederick B. Bayless and Dean A. Chase, Odessa, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 6, 1948, Serial No. 63,692
8 Claims. (Cl. 286—26)

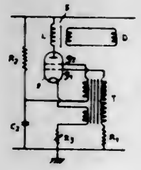
2. A liquid seal stuffing box assembly comprising in combination a body, a passageway in said body, a polished rod in said passageway, means on one end of said polished rod to connect the same with a prime mover, means on the opposite end of said polished rod to connect the same with a load, a reservoir adapted and disposed to contain a supply of liquid in said polished rod, packing means on said polished rod sealing against the internal surface of said passageway, sealing means in said body sealing against the exterior surface of said polished rod, said polished

rod having a conduit communicating between said reservoir and the passageway in said body



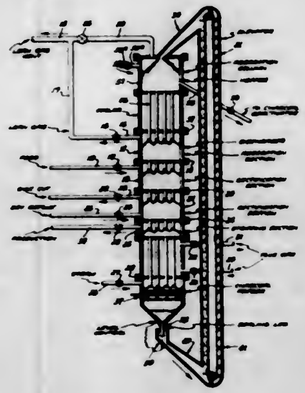
at a point between said packing means and said sealing means.

2,544,213
SAW-TOOTH CURRENT OSCILLATION GENERATOR
Arthur J. Bennett and Ladislav Lax, Cambridge England, assignors to Pye Limited, Cambridge, England, a British company
Application January 27, 1948, Serial No. 4,588
In Great Britain February 1, 1947
3 Claims. (Cl. 250—36)



1. A sawtooth current oscillation generator comprising a valve having at least two grid electrodes between the cathode and the anode, a source of high tension supply, a transformer having three mutually coupled windings, that one of the said two grids nearer to the cathode being connected to the negative high tension supply through one of said windings, the other grid of the valve being connected to the high tension positive supply through a second winding on said transformer and a series resistance, a condenser connecting the point of junction of said resistance and said second winding to a point of fixed potential, said first and second windings being coupled to provide positive feed back between said grids, the cathode of the valve being connected through the third winding on the transformer to the negative high tension supply, said third winding being coupled to the other windings to apply potentials to the cathode in the same sense as the potentials on the grid electrode nearer to the cathode and an output circuit connected between the anode and the high tension positive supply.

2,544,214
APPARATUS FOR GAS SEPARATION BY ADSORPTION
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 24, 1945, Serial No. 618,347
14 Claims. (Cl. 183—4.2)



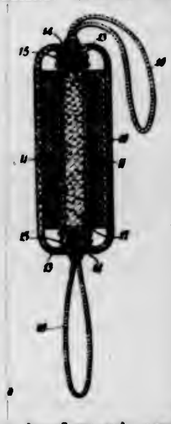
4. In an apparatus for the separation of a gaseous mixture which comprises an adsorption zone, means for passing granular charcoal through said adsorption zone, means for introducing said gaseous mixture into said adsorption zone so as to adsorb the more readily adsorbable components on said charcoal, means for separating the thus enriched charcoal from the unadsorbed components of said gaseous mixture, means for stripping the adsorbed components from said enriched charcoal in a stripping zone by heating said enriched charcoal moving continuously downward in a solid stream through which a counter-current stream of stripping gas is being passed, and means for conveying said stripped charcoal from said stripping zone to said adsorption zone, the improvement comprising means for controlling the flow of charcoal through the adsorption column by an apparatus comprising a tubular section below said stripping zone, having substantially the same cross-section as said stripping section; three vertically disposed plates contained in said tubular section, the surfaces of said plates being substantially parallel to each other and at right angles to the flow of said granular charcoal through said tubular section, the peripheries of the upper and lower of said plates being substantially in complete contact with, and affixed to, the walls of said tubular section, the intermediate of said plates being free to move in a direction at right angles to the flow of said charcoal through said tubular section for a distance of not more than ¼ of the diameter of said tubular section in either direction from a central position, said intermediate plate having a drive shaft affixed thereto which projects through the wall of said tubular section and by means of which said intermediate plate may be caused to oscillate within said tubular section, said upper, lower and intermediate plates containing numerous, substantially equally spaced openings through which said charcoal may flow, said openings being distributed over substantially the entire areas of said plates and being spaced in each plate with respect to the openings in each other plate in such a manner that the said charcoal must flow through the openings in all three of said plates in order to pass through said tubular section and at the same time may not pass through more than two of said plates at any one position of the movable intermediate plate.

2,544,215
DOOR AND GATE OPERATING MECHANISM
Pieter Cornelis Bootha, Thabazimbi, Rustenburg District, Union of South Africa
Application September 13, 1947, Serial No. 773,752
In the Union of South Africa September 21, 1946
8 Claims. (Cl. 268—35)



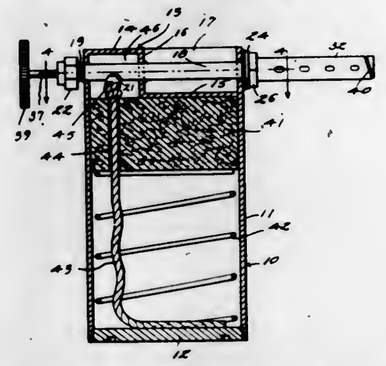
1. A gate-controlling device of the kind operated by the passage of a vehicle comprising a pedal in the road on each side of the gate in the path of a wheel of a vehicle using the road, a longitudinal rod parallel with the extent of the road, a crank mechanism connecting each pedal to the rod, and so arranged that movement of either pedal imposes longitudinal movement on the rod and vice versa; one pedal being projected above the surface of the road when the other is depressed, and vice versa; two striking surfaces rigidly associated with the gate and displaced from the hinge axis; and two striking elements mounted on the rod, each element being associated with one of the striking surfaces; one element being positioned to impact against its associated surface to swing the gate open when one of the pedals is depressed, and the other element being positioned to impact against its associated surface to swing the gate closed when the other pedal is depressed.

2,544,216
BATHING IMPLEMENT
Frederick A. Brackmann, New York, N. Y.
Application April 30, 1947, Serial No. 744,807
4 Claims. (Cl. 15—222)



1. A washing implement comprising an envelope of loofah from which seeds have been removed to provide a plurality of longitudinal channels, a filler for at least a substantial portion of one of said channels, said filler being shorter in length than the loofah, of mesh material, of a size and rounded cross section to hold open at least a substantial portion of said channel in which placed, and substantially as water permeable as said loofah in which the filler is placed, the ends of said filler being covered by outer portions of said loofah whereby said filler is kept out of contact with whatever surface is being washed by the loofah.

2,544,217
BLOWTORCH
Samuel C. Brody, Cambridge, Mass.
Application April 28, 1949, Serial No. 90,181
14 Claims. (Cl. 158—35)

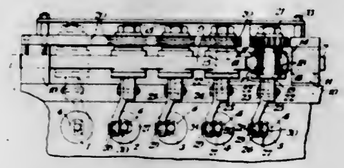


1. A blow torch comprising a fuel reservoir including a cylindrical side wall and a stepped top wall forming a depressed portion and a raised portion, a horizontally extending combined valve housing and pressure generating tube member disposed adjacent the top end of said side wall and having a portion thereof underlying said raised portion in direct heat exchange relation to said top wall, and a gas permeable barrier disposed in said fuel reservoir with the top surface thereof against said depressed portion, whereby when said torch is in operation, heat from said tube member will be transferred through said top wall to said barrier for constituting said barrier a thermal and physical barrier to contact of liquid fuel with said top wall, and whereby said top surface and said raised portion will coact to define a gas chamber.

2,544,218
TRANSFER MECHANISM
Richard L. Burdsall, Port Chester, N. Y., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y., a corporation of New York
Application August 3, 1945, Serial No. 608,637
2 Claims. (Cl. 10—162)

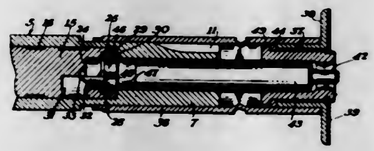
1. Transfer mechanism comprising, in combination, a plurality of spaced dies, and means to transfer blanks from each of said dies to an adjacent die, said means comprising a reciprocable member, means connected thereto to reciprocate said member in a path parallel to the line of the dies, a plurality of work holder supports rotatably mounted in said member, work holders carried by each of said supports to engage a blank, and means carried by the reciprocable member and the work holder supports for rotating the

work holder supports on their own axes when the reciprocating member is reciprocated, the work



holders being turned inwardly toward the dies when rotated.

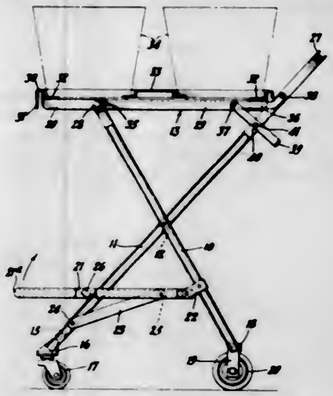
2,544,219
POWER-OPERATED TOOL DRIVING APPARATUS
Maurice M. Cohen, Cleveland Heights, Ohio
Application June 9, 1945, Serial No. 598,492
3 Claims. (Cl. 279—79)



3. A manicuring tool shank chucking mechanism comprising a rotating tool driving member retained within a bore formed in a non-rotating member with a chucking end thereof disposed in juxtaposed relation to an internal shoulder in the non-rotating member, an annular constrictive spring means disposed in an annular cavity formed in the juxtaposed end of the rotating member, there being a second annular cavity extending inwardly from the first cavity and having a diameter substantially equal to an end diameter of a manicuring tool shank which it is adapted to receive in slip fit relation, a chucking land formed at the driving end portion of the rotating member to extend from the bottom of the said second cavity in an axial direction and adapted to slidably fit a complementary land on the shank of a manicuring tool, said spring serving to first resist and then grip the shank of an inserted tool when the shank is forced into engagement with the rotating member and the annular wall of the said second cavity serving to act on the circumference of the tool shank when inserted to maintain the land of the shank in proper driven relation to the driving land of the rotating driving member.

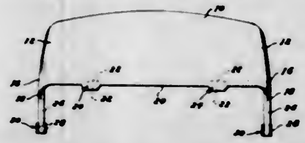
2,544,220
SHOPPING CARRIER FOR STORES
George W. Concklin, Suffern, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application July 23, 1946, Serial No. 685,730
4 Claims. (Cl. 280—36)

1. A carrier comprising a frame having crossed pairs of legs pivotally connected together, wheels on the lower ends of said legs, a tray pivotally attached at one end by links to the upper portion of one of said pairs of legs and resting in sliding engagement on the upper portion of the other of said pairs of legs, and handle means connected to the first mentioned end of said tray for tilting the tray into an inclined position and for



locking the tray in a substantially horizontal position.

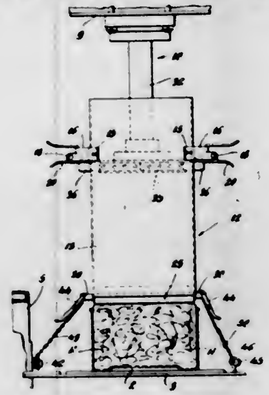
2,544,221
VISOR FOR SPECTACLES
Francis S. Creighton, Elmira, N. Y.
Application May 2, 1949, Serial No. 90,794
5 Claims. (Cl. 2—13)



1. A visor for spectacles comprising an elongated shield, a pair of longitudinally spaced downwardly opening spectacle frame engaging clips carried by one longitudinal edge of the shield, spaced parallel arms carried by the shield and projecting substantially perpendicularly from the edge of the shield carrying the clips and upwardly opening spectacle bow or temple engaging clips carried by the arms adjacent the ends thereof remote from the shield to cooperate with the frame engaging clips in holding the visor on a pair of spectacles.

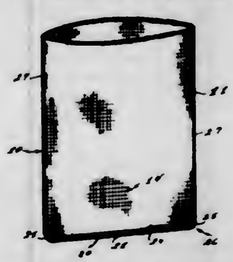
2,544,222
MACHINE FOR FILLING HASSOCKS AND CUSHIONS WITH FILLING TUBE AND RELEASABLY POSITIONED COMPRESSOR DISK
Angelo D'Amico, Brooklyn, N. Y.
Application August 16, 1946, Serial No. 690,937
3 Claims. (Cl. 226—43)

3. A machine for filling and compressing filling material in a hassock comprising a base, a frame supported by said base, a tube positioned on said base and comprised of two half sections secured to each other in spaced relation thereby forming longitudinal slots between adjacent edges of said half sections, the lower extremity of said tube being adapted to enter a hassock cover on said base, a disk positioned in said tube and supported by uncompressed filling material within said tube, projections formed on said disk extending through said slots, a press including a reciprocable stem supported by said frame, a block secured to one end of said stem for abutment with and downward movement of said disk upon the downward compressive movement of said stem, and means for releasably securing said



projections to said base in the downward material compressed position of said disk, whereby said disk retains said compressed filling material in said hassock.

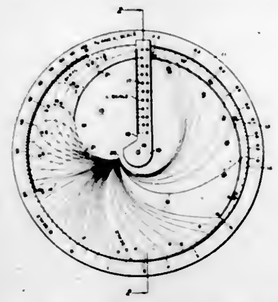
2,544,223
LAUNDRY NET
William D. Ellis, Atlanta, Ga.
Application September 29, 1948, Serial No. 51,773
4 Claims. (Cl. 139—389)



4. A woven laundry net for containing washable articles during laundering operations composed of composite strands, each strand being twisted from plied cotton and nylon threads, the exterior section of the strands having sufficient cotton thread exposed to provide a surface capable of non-slip friction engagement with the surfaces of other like strands.

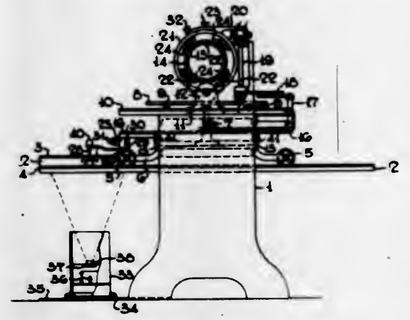
2,544,224
CIRCULAR SLIDE RULE
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 28, 1948, Serial No. 67,614
12 Claims. (Cl. 235—84)

1. A slide rule for use in solving equations relating to equilibrium between two phases of a system consisting of a plurality of components comprising in combination a first member having a logarithmic scale and a series of curves thereon, said curves converging at a common point on said member and terminating at points on said scale, each curve of said series of curves being a function of the equilibrium K-constant, $K=y/x$, in which y is the mol fraction of one component in a first phase and x is the mol fraction of said component in a second phase, a second member slidable relative to the first member and having a second logarithmic scale inverted with respect



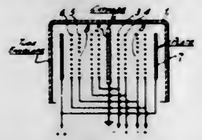
to the first logarithmic scale, and a slide member having a linear scale disposed normal to said first and second scales and intersecting said curves and said second scale.

2,544,225
PANTOGRAPH ENGRAVING MACHINE
David H. Hearle, Rutherford, N. J.
Application April 13, 1946, Serial No. 661,929
3 Claims. (Cl. 178—18)



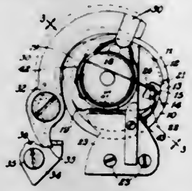
1. In a pantograph machine for engraving a metal matrix cylinder used for making textile prints and provided with a stylus carrying an electric switch, said stylus being connected with the pantograph and employed for tracing an original design, said machine also employing engraving points operated by solenoids for cutting the design into the matrix, the improvement comprising a hollow cylindrical section concentrically disposed around the matrix cylinder sufficiently far away therefrom to allow space for the solenoids and engraving points, the solenoids being mounted inside of the hollow cylindrical section and actuated by current flowing from the stylus switch, a lever arm adjacent to each solenoid and carrying the engraving point at one end and connected to the armature of the solenoid at the other, said engraving points being forced against the matrix by the lever arm when the solenoid is actuated by the current, means for retracting the points from the matrix when the current flow is interrupted, means for moving the hollow cylindrical section by pantographic action from the stylus and means for rotating the matrix within said hollow cylindrical section of pantographic action from the stylus.

2,544,226
AMPLITUDE LIMITER
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 5, 1944, Serial No. 566,747
11 Claims. (Cl. 178—44)



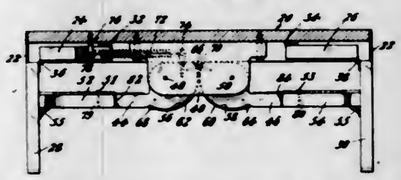
9. In combination with a source of frequency modulated waves, an amplitude limiter comprising a vacuum discharge tube having a cathode, a control grid, an anode and a retarding grid, said retarding grid having a variable pitch grid winding to provide wider openings over a predetermined portion of said retarding grid than over the remaining portion thereof and to exhibit a non-uniform control effect on the electron stream of said tube, and a source of power for applying a bias voltage to said retarding grid which is negative with respect to that of said cathode to provide a limiter characteristic which rises to a peak and thereafter decreases again.

2,544,227
SEWING MACHINE HOOK MECHANISM
Richard K. Hohmann, Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 6, 1947, Serial No. 753,093
6 Claims. (Cl. 112—184)



1. A sewing machine mechanism comprising in combination a loop taker element turning about a vertical axis and having a bobbin holder chamber open at its upper side and a wall surrounding said chamber and formed with an inwardly facing guide surface extending circularly about said axis and with a horizontal, upwardly facing bearing surface, a bobbin holder having a body portion smaller in cross-section than said chamber and normally extending down into the latter and formed at one side with a convex guide surface normally engaging the first mentioned guide surface, and including an outwardly extending flange which normally overlaps and is engaged and supported by an elongated arcuate portion of the first mentioned bearing surface, said element and bobbin holder being relatively shaped and arranged to permit limited thread clearing horizontal and vertical movements of said bobbin holder in normal operation, and means operative to restrict the horizontal and vertical movements of said bobbin holder including a stationary retaining member normally engaging said bobbin holder and tending to maintain the latter in an approximately constant position but permitting limited horizontal thread clearing movements of its convex guide surface toward and away from, and angularly along said inwardly facing loop taker guide surface, and including a second member movable between one position in which it extends over the bobbin holder and is spaced therefrom to provide a limited thread clearance space between said second member and the bobbin holder and in which it prevents bodily movement of said bobbin holder upward out of said loop taker chamber and a second position in which it permits such bodily movement.

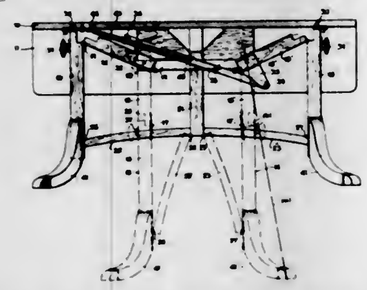
2,544,228
VERTICALLY ADJUSTABLE TABLE CONSTRUCTION
Boris Hoppe, Kew Gardens, N. Y.
Application July 17, 1947, Serial No. 761,690
4 Claims. (Cl. 311—62)



2. In a table construction having a top adjustable for use at either a lower or upper elevation while being retained horizontal, the combination comprising two lower leg structures which are spaced apart when the top is adjusted to the upper elevation and further spaced apart when the top is at the lower elevation, a pair of members which form substantially vertical upward continuations for said leg structures respectively when the top is at the upper elevation, one end of each of said members respectively being pivotally connected to points fixed with respect to the upper ends of said leg structures, the other ends of said members respectively being pivotally connected at spaced points with respect to the underside of the top, a pair of links each pivotally connected at a point fixed with respect to the underside of the mid-portion of the table top, said links also being pivotally connected respectively at points fixed with respect to said lower leg structures, whereby said leg structures, members and links collectively form under each side of the table, substantially a quadrilateral linkage with the table top, and additional means located just beneath the mid portion of the table top and interconnecting one of said quadrilateral linkages with the other and coacting therewith to cause said members to pivot through equal and opposite angles when the table top is raised or lowered.

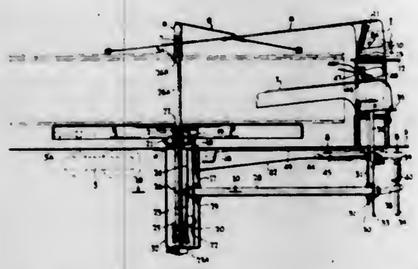
2,544,229
VERTICALLY ADJUSTABLE TABLE CONSTRUCTION
Boris Hoppe, Kew Gardens, N. Y.
Application January 12, 1950, Serial No. 138,135
1 Claim. (Cl. 311—39)

In a table construction having a top adjustable for use at either a lower or upper elevation while being retained horizontal, the combination comprising two lower leg structures which are spaced apart when the top is adjusted to the upper elevation and further spaced apart when the top is at the lower elevation, said leg structures each having an upstanding upper part and a pair of foot parts which diverge downwardly and outwardly toward points beneath the corners of the table, a pair of members which form vertical upward continuations for said leg structures respectively when the top is at the upper elevation and which are directed inwardly toward each other in folded positions along below the level of the table top when the latter is at the lower elevation, one end of each of said members respectively being pivotally connected to points fixed with respect to the upper ends of said leg structures, the other ends of said members respectively being pivotally connected at spaced points with respect to the underside of the top, a brace-retaining member fixed to the underside of the top and depending downwardly from the mid-



portion thereof for a substantial distance, a pair of brace links each pivotally connected at one end to the lower end of said brace-retaining member, said brace links also being pivotally connected at their other ends respectively at points on said leg structures adjacent the upper ends of said foot parts, and additional linkage means with connections to control the relative movement of said pair of members with respect to the underside of the mid-portion of the table top to cause said pair of members to pivot through equal and opposite angles when the table top is raised or lowered.

2,544,230
AUTOMATIC PHONOGRAPH
Frank M. Johnson, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application November 5, 1945, Serial No. 626,732
7 Claims. (Cl. 274—10)

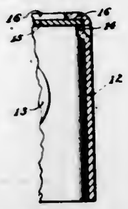


1. In combination, in an automatic phonograph including a turntable and a stationary central post about which said turntable is adapted to rotate: means to support a stack of records on the central post offset from the axis of rotation of the turntable, said means including an element for supporting the lowermost record of the stack adjacent its central opening, means to level the records in said stack, said levelling means including at least two elements diametrically disposed on opposite sides of the central post and adapted to press down against the top surface of the uppermost record in the stack, said elements being mounted for vertical movement, and means to maintain said elements in a common plane as they move vertically, means to rotatably mount said stack record levelling means about an axis parallel to the central post at a point remote from the central post whereby said levelling means may be swung clear of the stack of records when records are loaded on or removed from the central post, and means rotatable about said axis with said record stack levelling means and moved into operative position when said levelling means is rotated out of operative position to support the under surface of the lowermost record of the stack adjacent the periphery thereof.

2,544,231
PROCESS OF PRODUCING ALUMINA FROM SLAGS OR SINTERS PREPARED FROM LIME AND ALUMINA-BEARING MATERIALS
Arne Mürer Hollum, Oslo, Norway, William Addison James and William Alexander Semple, Arvida, Quebec, Canada, assignors to Aluminium Laboratories Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application January 18, 1947, Serial No. 722,956. In Canada January 31, 1946
7 Claims. (Cl. 23—143)

1. The process of producing alumina from slags or sinters prepared from lime and alumina-bearing materials, which comprises leaching the slag or sinter at a temperature of about 90° C. in a sodium carbonate solution containing free NaOH and having an alkali concentration of over 100 grams per litre.

2,544,232
ELECTRICAL OUTLET BOX
Frank J. Kennedy, Brooklyn, N. Y., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 1, 1948, Serial No. 30,221
1 Claim. (Cl. 220—3.94)



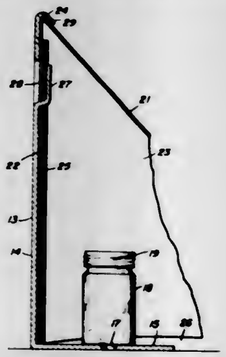
In an electrical outlet box comprising a one-piece bounding wall structure and a bottom structure, the combination of a plurality of retainer feet, said feet being formed by spaced planar slits in the wall structure spaced inwardly from one edge thereof with the material of the wall structure on the side of the slit opposite said edge being displaced inwardly of the space bounded by said wall structure forming outwardly facing abutments, a separately formed bottom plate lying against the abutments of said feet, and clinching flanges of one piece with the said bounding wall structure lying marginally against the said bottom plate in opposition to the said retainer feet in cooperative clinching relation with respect to said feet and the said bottom plate.

2,544,233
NONMETALLIC SHEATHED MULTICONDUCTOR CABLE
Frank J. Kennedy, Mount Lebanon, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 13, 1949, Serial No. 110,107
2 Claims. (Cl. 174—116)



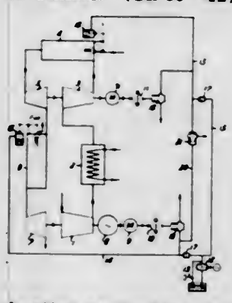
1. In a non-metallic sheathed cable the combination of a plurality of conductor wires sheathed in vulcanized high polymer elastomeric material, a filler block of vulcanized high polymer elastomeric material positioning the said sheathed conductor wires in mutually spaced relation, the sheaths of said conductors and said filler block being mutually non-adherent, a stranded fibrous covering around the inner assembly of sheathed conductor wires and filler block having between strands thereof interstices through which the substance of the said filler block projects, and a jacket of high polymer elastomeric material surrounding said stranded fibrous covering and having a vulcanized bond with the said substance of the filler block projectant through the interstices of the said stranded covering.

2,544,234
ANT TRAP
Louis Magnesi, Walnut Creek, Calif.
Application February 19, 1948, Serial No. 9,399
1 Claim. (Cl. 312—100)



In a device of the character described, the combination of an L-shaped supporting bracket affording a horizontal arm and a vertical arm, a removable hood positioned on said bracket and including a vertical rear wall placed against said vertical arm and resting with its lower edge on said horizontal arm, an upper portion of said wall being provided with a vertically extending slot, a keeper tongue struck out from an upper portion of said vertical arm, said tongue extending forwardly through said slot and then upwardly whereby an upper portion thereof is disposed against the front surface of said wall above said slot, and a bendable detent extending downwardly from the upper end of said vertical arm over the upper edge of said wall.

2,544,235
COMBUSTION GAS TURBINE PLANT
Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application November 23, 1945, Serial No. 630,494
In Switzerland November 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1964
11 Claims. (Cl. 60—41)



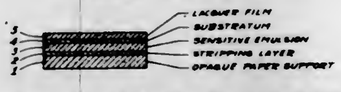
1. In a combustion gas turbine plant of the type including a plurality of turbine-compressor units in series in the motive fluid circuit, a power turbine driving a load device and a compressor, at least one operation-maintaining turbine-compressor unit, a combustion chamber for each turbine in series in said motive fluid circuit, independent means for supplying fuel to each of said combustion chamber, a governor responsive to the speed of said load device, means actuated by said governor for controlling the fuel supply means to the combustion chamber directly preceding said power turbine, a second governor responsive to the speed of said operation-maintaining turbine, means actuated by said second governor for controlling the fuel supply means to the combustion chamber directly preceding said operation-maintaining turbine, and means superimposing a secondary control over the fuel supply to last said combustion chamber in accordance with the load on said power turbine, and auxiliary regulating means responsive to the speed of said operation-maintaining turbine-compressor unit for limiting the speed thereof to a preselected value.

2,544,236
ZINC OXIDE-MAGNESIUM OXIDE LUMINOUS PIGMENTS ACTIVATED BY BISMUTH OR BISMUTH AND IRON
Lawrence J. Reimert and Erastus A. Fatzinger, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 13, 1947, Serial No. 754,589
6 Claims. (Cl. 252—301.6)

1. A luminescent pigment consisting essentially of a base material consisting of a calcined mixture of zinc oxide and magnesium oxide, the magnesium oxide comprising from about 3% to about 36% by weight of said mixture, and about 0.01 to 10.8% by weight of a bismuth activator.

5. A luminescent pigment consisting essentially of a base material consisting of a calcined mixture of zinc oxide and magnesium oxide, the magnesium oxide comprising about 12% by weight of said mixture, the base material being doubly activated with bismuth and iron, the bismuth being present in amount of about 0.01 to 10.8% by weight and the iron being present in amount up to about 0.01% by weight.

2,544,237
PHOTOSENSITIVE TRANSFER
Thomas S. Reese, University Heights, Ohio, assignor to The Di-Noc Company, a corporation of Ohio
Application July 1, 1944, Serial No. 543,173
1 Claim. (Cl. 95—8)



A photosensitive transfer for application as a unit to a supporting surface, such transfer comprising an opaque paper-base material treated to prevent substantial penetration of subsequently applied materials; a layer of dry-stripping material bonded to and removable with such paper-base material, said dry-stripping material containing a flattening agent which gives the emulsion layer subsequently coated thereon a matte surface for subsequent drawing on the developed-out print and being water-insoluble and substantially moisture proof in that it constitutes a barrier to the transmittal of moisture therethrough; an unexposed layer of light-sensitive photographic emulsion detachably secured to the layer of dry-stripping material, said layer yielding a dark image when exposed; a distinct layer of bonding material, said layer of bonding material being composed of nitrocellulose and gelatine; and, providing a contrasting background for the dark image yielded by the light-sensitive material, a light-colored backing film of the nature of a pigmented lacquer residue, the solid content of the lacquer from which the backing film is formed including nitrocellulose in an amount upward of 10% of such solid content, titanium dioxide, and a siliceous abrasive imparting to the backing film a tooth providing a surface for further drawing on the backing film on removal of the emulsion layer from the supporting surface to which the transfer is applied.

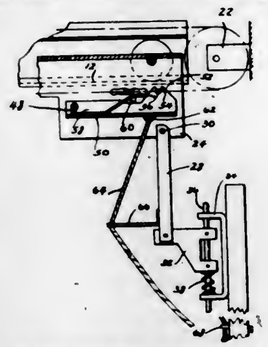
2,544,238
FISHING LINE GUIDE
Andrew Ritter, Pittsburgh, Pa.
Application May 7, 1949, Serial No. 91,942
1 Claim. (Cl. 43—24)



A line guide for fishing rod tips comprising an elongated body smoothly tapering forwardly and rearwardly from its mid portion to its opposite ends, said body having a socket in its rear end to receive the forward end of a fishing rod, and having an elongated recess in the side of the body extending forwardly from the vicinity of said socket and communicating with a line receiving aperture passing through the forward end of the body.

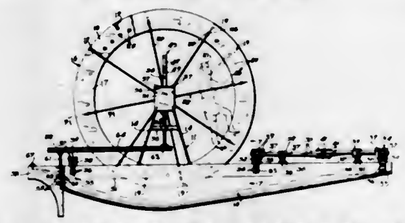
2,544,239
GARAGE DOOR OPERATING DEVICE
Cyrus T. Schirmer, Wayland, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc., a corporation of Delaware
Application August 27, 1945, Serial No. 612,921
17 Claims. (Cl. 268—58)

15. In power operating mechanism for overhead doors, having a link movable with the door and power driving means for the link said power driving means including a driving motor, the link having a pivotal connection with the door and being in vertical door-locking position when the door is closed, the combination of a releasable connection between the driving motor and



the link, and manually operated means including an element pivotally mounted on the door and projecting exteriorly of said door for releasing said connection and for turning the link into a non-locking position to permit manual opening and closing of the door.

2,544,240
WATER CYCLE
Fred Shelverton, Pequannock, N. J.
Application December 10, 1948, Serial No. 64,489
4 Claims. (Cl. 115—23)

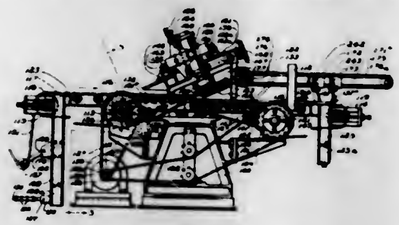


1. In a watercraft having a spaced pair of pontoons between which a large hollow cage carrying a plurality of paddles is rotatively supported by means of end aligned hubs at least one of which is tubular, means operative from within the hollow cage for steering the pontoons, comprising a rudder pivotally mounted on the rear end of each of the pontoons, means connecting said rudders together for unitary movement in one direction or the other, a shaft rotatively extended through the tubular hub, a handle member mounted on the inner end of said shaft within the hollow cage by which said shaft can be turned in one direction or the other, and a transmission interposed between the outer end of said shaft and one of said rudders.

2,544,241
APPARATUS FOR CUTTING MATERIAL
Frank S. Sternad, Cuyahoga Falls, and Anthony G. Seifried, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 1, 1946, Serial No. 666,454
12 Claims. (Cl. 164—76)

12. Apparatus for measuring and cutting lengths from a continuous strip of material, said

apparatus comprising a delivery conveyor for advancing the strip material, a receiving conveyor in alignment therewith for receiving cut sections of the strip, means for driving said conveyors, means in the path of the strip for reducing the speed of advance of the conveyors when the leading end of the strip has advanced a predetermined amount short of the desired strip length, means for arresting all advance of the conveyors from said reduced speed when the leading end of



the strip has advanced a desired distance, means located between said conveyors for cutting a length from the arrested strip, means for starting advance of said conveyors when said cut has been completed, said cutting means comprising a rotary cutter adapted to be advanced and returned across the path of the strip, and said means for starting advance of said conveyor being motivated by return of said cutter to starting position.

2,544,242

CONVERTIBLE BULKHEAD AND AIR CIRCULATING FAN ASSEMBLY FOR REFRIGERATOR CARS

William E. Van Dorn, Pasadena, and Paul K. Beemer, Inglewood, Calif., assignors to Preco Incorporated, Los Angeles, Calif., a corporation of California

Application August 9, 1947, Serial No. 767,820
5 Claims. (Cl. 98—6)



1. In a car body having a car floor structure, side walls, roof and an end wall; the improvement which comprises a movable unitary bulkhead structure of a width adapted to extend across the car interior substantially from side wall to side wall and of a height adapted to extend from the level of the floor structure to a level closely under the car roof, said unitary bulkhead structure being composed of a lower wall structure and an upper fan housing structure, the fan housing structure being composed of a lower horizontal plate which also forms an integral part of the lower bulkhead wall structure, an upper horizontal plate spaced above the lower plate, and a vertical wall structure between the lower and upper plates and integrated with each plate, said vertical wall structure including parts forming face wall portions arranged in staggered interrelation and interconnecting cross-wall portions, the vertical wall structure enclosing alternate housing compartments having open sides at opposite faces of the bulkhead structure, certain of the cross walls having openings, a fan shaft extending through the openings lengthwise of the fan housing, and fan units on said shaft in housing compartments which are open at one face of the structure, and means for holding the bulkhead in at least one predetermined position across the car interior, said means including an anchoring member at the lower edge of the structure and also end extensions of the upper fan housing plate beyond the side edges of the bulkhead structure, and cooperating anchoring members incorporated with the car body.

2,544,243

TREATMENT OF STORAGE ORGANS TO CONTROL SPROUTING

Haaye Veldstra, Amsterdam, Netherlands, assignor to N. V. Amsterdamsche Chininefabriek, Amsterdam, Netherlands, a company of the Netherlands

No Drawing. Application March 14, 1946, Serial No. 654,506. In the Netherlands January 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 25, 1964
9 Claims. (Cl. 71—2.5)

1. A composition of matter for treating storage organs to control sprouting containing at least one growth substance and at least one growth inhibiting substance of blastokolin type and a substantially inert diluent in such an amount that the amount of the growth substance and of the growth inhibiting substance of blastokolin type together is not more than 2% of the total mixture.

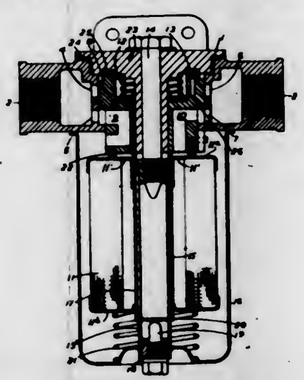
2,544,244

FILTER

Cecil Gordon Vokes, Guildford, England, assignor to Vokes Limited, Guildford, England

Application July 14, 1947, Serial No. 760,711
In Great Britain July 29, 1946
4 Claims. (Cl. 210—166)

1. A filter comprising, in combination, a head including an inlet and outlet separated by a valve chamber opening through said head, ports between said chamber and said inlet and outlet respectively, a valve movable in said chamber relative to said ports and spanning said opening, two passages through said valve for communication between said opening and said ports respectively, a spring in said chamber biasing said valve to interrupt the communication of said valve passages and place said ports in direct communication, a pot removably mounted to said head and enclosing said opening, an opening in the bottom of said pot, a shaft that is hollow at its bottom end and rigidly fixed to said pot with its bottom end coinciding wih said pot opening, diametrically opposed slots in said hollow bottom and above the end thereof to provide drainage communication from said pot through said bottom end, a sleeve surrounding said shaft for engagement with said valve and having a cross-pin secured to its bottom end with said pin extending through said slots, a filter element mounted on said sleeve for engagement with said valve between said passages to filter the communication through said pot between said passages, and a drain plug removably mounted in



the hollow bottom end of said shaft to close said pot opening and with the upper end of said plug engaging said pin to lift said sleeve against said valve to bias said valve against the action of said spring and interrupt direct communication between said ports and open communication through said passages.

2,544,245

METHOD FOR PREPARING DICYCLOHEXYLAMMONIUM NITRITE

Aaron Wachter, Oakland, and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 6, 1949, Serial No. 114,276
5 Claims. (Cl. 260—563)

1. In a method of producing dicyclohexylammonium nitrite, the steps comprising adding dicyclohexylamine and phosphoric acid to a solvent medium, and adding to the resulting solution a salt of nitrous acid with a material selected from the group consisting of the alkali metals and ammonia.

2,544,246

CORNEAL CONTACT LENS

George H. Butterfield, Portland, Oreg.

Application August 1, 1950, Serial No. 177,050
3 Claims. (Cl. 88—54.5)



1. A corneal contact lens of concavo-convex form in section and of a size to lie within the area defined by the limbus having an inner central spherical area conforming to the corresponding area of the cornea to which the lens is applied so that undue pressure will not be present at any point, the remainder of said inner surface extending radially outward toward the limbus being formed on a curve different from that of said central area and corresponding in curvature with that portion of the corneal peripheral area to which the lens is applied, whereby space is provided for the natural uninterrupted circulation of lacrimal fluids between said lens and the cornea.

2,544,247

ETHYL CELLULOSE AND RESINOUS COMPOSITION

Annis G. Asaff, Auburndale, and William W. Donelson, Plympton, Mass., assignors, by mesne assignments, to Callaghan Hession Corporation, Boston, Mass., a corporation of Massachusetts

No Drawing. Application November 3, 1947, Serial No. 783,858
4 Claims. (Cl. 106—173)

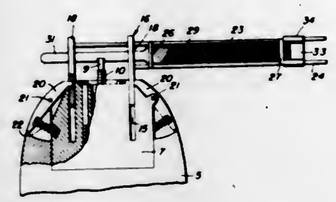
1. A plastic coating composition comprising a vehicle, said vehicle comprising ethyl cellulose, an alcohol-soluble resinous fortifying extender derived from rosin and a plasticizer dissolved in a solvent composed of 60 to 90 per cent by weight of low boiling aliphatic alcohol and 40 to 10 per cent by weight of an aromatic hydrocarbon, said composition also containing water in an amount from 5% to 10% by weight, based on the weight of the vehicle, the water partially inactivating the solvent effect of the alcohol upon the ethyl cellulose without causing substantial precipitation of the ethyl cellulose and thereby rendering the composition capable of being spread by means of a trowel.

2,544,248

NAIL FILE VIBRATOR DEVICE

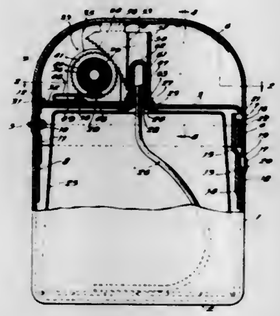
Harry L. Ashmead, Yountville, Calif., assignor of fifty per cent to Frances O. Ashmead, Douglas, Wyo.

Application June 22, 1948, Serial No. 34,467
4 Claims. (Cl. 132—75.8)



1. In combination, a motor casing forming a handle having a vibrating arm projecting from its outer end, said casing having a recess in its outer end, a head in the recess and having a central opening freely receiving the vibrating arm, an implement attachment, means carried by the casing holding the head attached to the casing and also holding the implement attachment attached to the head, and an implement supported on said attachment in a position for operation by said arm.

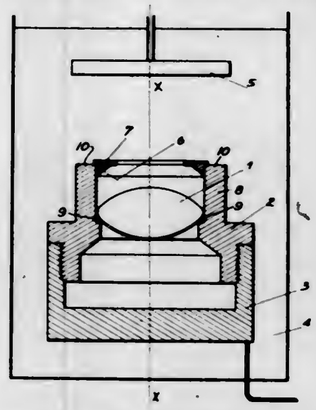
2,544,249
PYROPHORIC CIGAR AND CIGARETTE LIGHTER
John R. Bayston, Van Nuys, Calif.
Application February 25, 1948, Serial No. 10,597
6 Claims. (Cl. 67—7.1)



1. A lighter, comprising, a main casing, a cover hood swingably mounted on said casing, a bridge in one end of said casing, said bridge having a flat top and a central opening adapted to removably receive the neck of a fuel tube, a flat base plate longitudinally slidable in face to face contact with said bridge and having in its forward end a slot adapted to slide forwardly over said tube neck when the latter is in said opening, said bridge having a projection to prevent rearward movement of the base plate when the slot is over the neck, sparking mechanism on said base plate including a rotary flint member and an abrasive element resiliently urged against the flint member, and means in said hood to rotate the flint member when the hood is swung open, said fuel tube neck having a circumferential groove to receive the edge walls of said slot.

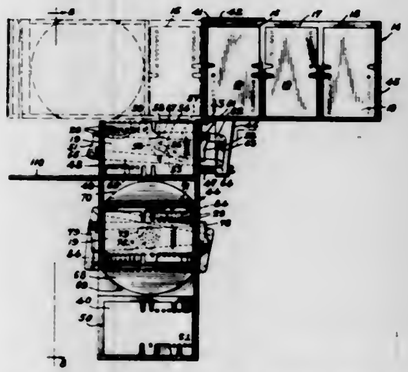
2,544,250
METHOD OF MOUNTING AND LOCKING OPTICAL LENSES IN A HOUSING
Jacques Alfred Victor Benard, Paris, France, assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France, a joint-stock company of France
Application May 15, 1947, Serial No. 748,324
In France May 27, 1946
2 Claims. (Cl. 204—16)

1. The method of mounting and locking optical lenses in a mechanical part having a cylindrical housing with an internal shoulder within said housing upon which the lens is adapted to seat consisting of chamfering the edge of the optical lens about the periphery of the end of said lens remote from the end adapted to seat upon said shoulder, placing said optical lens in said housing with the free end of said housing out of contact with the chamfered portion and the opposite end of said lens resting upon the shoulder within said housing, immersing said mechanical part with said lens therein in an electroplating bath having an anode therein, and passing an electric current through the bath using the mechanical part as a cathode to produce an electrolytic metal deposit which strongly adheres to the free end portion of said housing adjacent said chamfer and which progressively covers the chamfered



portion of the optical lens thereby locking the same in position within the housing.

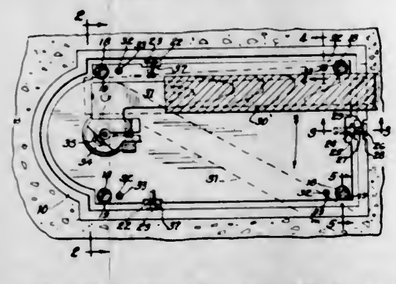
2,544,251
SORTING AND CLASSIFYING SYSTEM FOR CARDS OR THE LIKE
William E. Block, Chicago, Ill.
Application June 24, 1944, Serial No. 541,936
9 Claims. (Cl. 129—16.1)



3. The method of selecting a single card from a stack of cards, each provided with a code section consisting of permutations and combinations of open slots and perforations identified by terms of a geometric progression, each card being also provided with a complementary code section opposed to the permutations and combinations of open slots and perforations in the said code section; selective operation being performed by (1) inserting a series of needles in each of the open slotted portions in the code section (2) subjecting the stack to vibratory motion allowing the unsupported cards to drop from the stack, (3) inverting the group of cards dropped from the stack, (4) inserting in the complementary code section needles in each of the open slotted portions therein, (5) and subjecting the said cards which formerly dropped thru to vibratory motion, thus releasing a chosen card.

4. In a card selecting and assorting structure or mechanism, vibrating mechanism adapted to lift and lower opposed ends of needles alternately, to subject cards mounted on said needles to be shaken comprising, a pair of oppositely disposed shafts mounted in supports on the sides of said selecting and assorting mechanism, a bell-crank element articulately mounted on each of said shafts, a lever element keyed to each of said shafts, a link element articulately secured to a bell-crank element on one of said shafts and to the lever element keyed to the other of said shafts, on the remaining end of said mechanism a lever keyed to each of said shafts, the free legs of said bell-crank lever elements provided with cam rollers, a cam provided with a series of protuberances and intermediate depressions rotatably mounted in between said cam rollers, spring means connecting the free legs of said bell-crank levers maintaining the said cam rollers in contacting relationship with the periphery of said cam, and means associated with said structure adapted to motivate the said cam element.

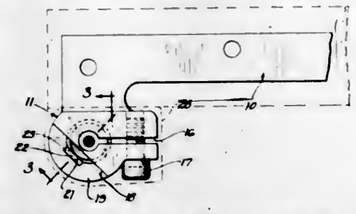
2,544,252
DOOR CLOSER
Martin Carlson, Brookfield, Ill., assignor, by mesne assignments, to George W. Houlsby, Jr., Chicago, Ill.
Application April 29, 1949, Serial No. 90,530
7 Claims. (Cl. 16—55)



1. In a door closer, a cement casing provided with a perimetrical flange at the upper edge and a horizontal shoulder located inwardly of the flange for supporting a cover plate, a cover plate for supporting a door closer mechanism within the casing comprising a door actuating pin extending vertically through said plate for attachment thereto of a door operating arm, said plate being adapted to rest on said shoulder and being of a superficial area and shape to enable the same to be spaced at the edges thereof from said flange, screws for securing the plate to the casing and permitting relative adjustment of the plate in transverse and longitudinal directions when loosened, and threaded means cooperating with the plate and flange for shifting the plate in a horizontal plane within the confines of said flange for adjusting the pin relative to the casing.

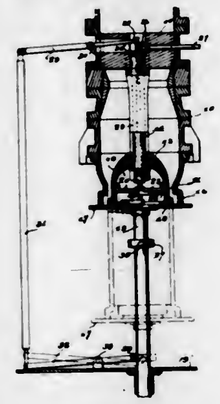
2,544,253
DOOR CLOSER MECHANISM
Martin Carlson, Brookfield, and Otto D. Michaelsen, Evergreen Park, Ill., assignors, by mesne assignments, to George W. Houlsby, Jr., Chicago, Ill.
Application May 11, 1949, Serial No. 92,576
3 Claims. (Cl. 16—55)

1. A door supporting arm for a floor mounted door closer mechanism comprising a rotatable vertical actuating pin, said arm being provided with a head having a vertical socket open at the lower surface of the head and having a top closure wall adapted to rest on the upper end of the pin when the head is in position on the pin, said head being provided with a lateral recess communicating with the upper portion of the socket



through which a shim can be inserted between the upper end of the pin and said wall for supporting the head and arm in an elevationally adjusted position with respect to the pin, and means for retaining the shim in position on the end of the pin.

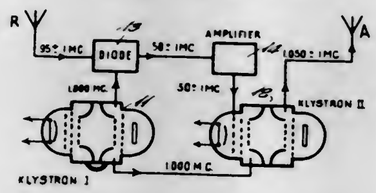
2,544,254
SEWER PIPE CUTTING MECHANISM
James L. Child, Jr., Findlay, Ohio, assignor to The Hancock Brick and Tile Company, Findlay, Ohio, a corporation of Ohio
Application March 17, 1948, Serial No. 15,483
5 Claims. (Cl. 25—109)



1. Sewer pipe cutting mechanism comprising a die for forming sewer pipe, female bell die part adjacent the outlet end of said die, pipe cutting mechanism comprising a pair of vertically spaced rotary coaxial cutting knives, each being movable outwardly by centrifugal force to operative position upon rotation in one direction and inwardly to inoperative position upon rotation in the opposite direction, a stationary mounting for one knife adjacent the outer end of said female die part, a mounting for the other knife enabling axial shifting movement in directions toward and away from said first knife, a pipe supporting table, a male die on said table movable into position relative to said female bell die to form the sewer pipe bell, a mounting for said table enabling movement thereof away from said female bell die part as the sewer pipe is formed, actuating mechanism responsive to movement of said table during the latter part of its movement for imparting shifting movement to said shiftable knife for operatively positioning same for sever-

ing in cooperation with said first knife a pipe section in order to leave said female bell die part free for the next forming operation, and a conjoint drive for said knives.

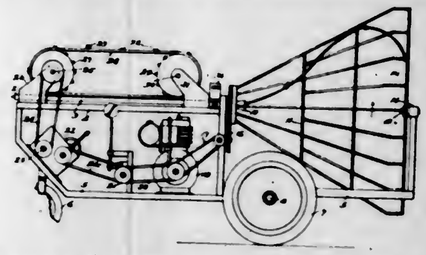
2,544,255
ULTRA-SHORT WAVE REPEATER
Henri Chireix, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
Application April 16, 1947, Serial No. 741,725
In France June 11, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 11, 1962
1 Claim. (Cl. 250—15)



In a system of radio communication between remote stations by frequency-modulated decimetric waves with an intermediate relay station, means at the relay station for receiving, at a low amplitude level, the emitted frequency-modulated decimetric waves, means for transforming these waves into frequency-modulated metric waves having the same frequency deviation as the decimetric waves, an electronic tube with velocity modulation of the klystron type equipped with an admission resonator buncher, a discharge resonator catcher, and a control grid controlling the density of the electron beam, means for applying the modulated metric waves to the said control grid, means for generating non-modulated decimetric waves, means for applying these latter waves to the admission resonator bunches of the said tube, the discharge resonator catcher being tuned to the frequency of the modulated decimetric waves to be reemitted, wherein the said means for transforming the decimetric waves into metric waves comprise the detection of the frequency-modulated decimetric waves received by the relay station, by the use of waves transferred from the said means for generating non-modulated decimetric waves, and means coupled to the discharge resonator buncher for the reemission of these modulated decimetric waves at an elevated level of amplitude.

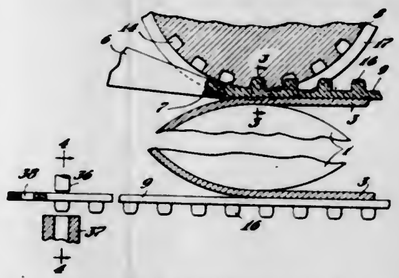
2,544,256
REELING, ROTATING, AND DRIVING UNIT FOR SEWER CLEANING RODS
Peter L. Ciaccio, Los Angeles, Calif., assignor to Flexible Sewer Rod Equipment Company, Los Angeles, Calif., a copartnership
Application December 20, 1947, Serial No. 792,970
8 Claims. (Cl. 15—104.3)

1. A flexible, coupled-section rod handling machine having, in combination, a rotative cage having an axial outlet throat for passage of the rod and a power drive means which is fixed against bodily rotation and includes a travelling belt with pushers to continuously and respectively engage with couplers of an extended portion of the relatively rotating rod for continuously pushing the rod from or into the cage, and said belt having rod guide means juxtaposed close to said drive belt and adapted to confine said couplings and restrain lateral motion there-



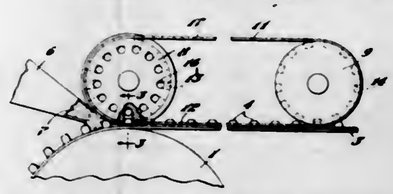
of and thus prevent whip of the rod passing from or to the cage.

2,544,257
CINEMATOGRAPHY
John R. Clark, Jr., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application March 3, 1945, Serial No. 580,832
5 Claims. (Cl. 101—149.1)



1. In the art of cinematography the method which comprises forming a film with register teeth adapted to fit into the sprocket holes of cinematographic film, feeding the toothed film and a printing film together with said teeth fitting in the sprocket holes of the printing film, printing on the toothed film from the printing film, and subsequently punching out said teeth to leave sprocket holes instead of the teeth, so that the printed film may thereafter be fed over register teeth in the usual way.

2,544,258
METHOD AND MEANS FOR FORMING FILM
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application March 3, 1945, Serial No. 580,909
15 Claims. (Cl. 101—149.1)

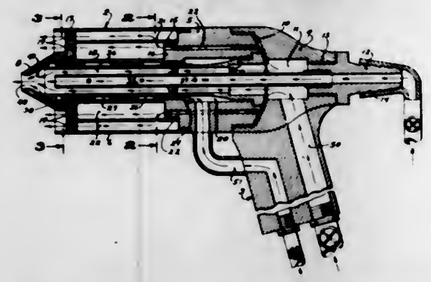


1. In the art of cinematography the method which comprises continuously feeding a carrier

having a series of register teeth along a predetermined path, at one location along the path molding a mass of plastic material on the carrier around the teeth to form a film with the teeth projecting through the film, and at another location farther along the path peeling the film away from the carrier.

3. In the art of cinematography apparatus comprising a carrier having a succession of register teeth for engagement in the sprocket holes of film, means for molding a film of plastic material on the carrier around said teeth, said means including a roller for spreading the material on the carrier, the roller having peripheral openings to receive the ends of said teeth, and means for peeling the molded film away from the carrier.

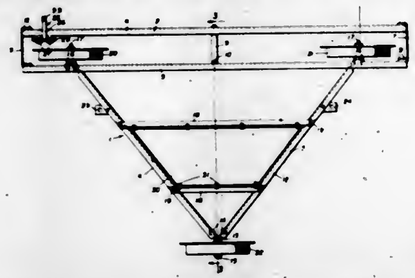
2,544,259
METALLIZING SPRAY GUN
Gaetano Duccini and Primo R. Caredio, San Francisco, Calif.
Application November 25, 1944, Serial No. 565,077
13 Claims. (Cl. 91—12.2)



1. In a spray gun of the type described, a pair of imperforate tubular members arranged longitudinally of the gun and spaced substantially coaxially to provide an outer auxiliary passage and a central passage; a tube disposed concentrically within said central passage and terminating in a discharge end short of the forward ends of said passages, said tube being provided with a plurality of openings spaced along the tube and allowing free communication between the interior of said tube and said central passage; means whereby the interior of said tube may be connected to an exterior source of fluent spray material under pressure; means whereby a combustible operating gas under pressure from an exterior supply may be conducted to said central passage around said tube; means whereby a combustible control gas under pressure may be conducted to said auxiliary passage, and a longitudinally adjustable hollow tip having a discharge orifice and being arranged to receive fluid discharged from said passages and said tube, the interior wall of said hollow tip encompassing the forward ends of said passages.

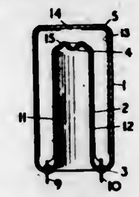
2,544,260
ANCHORING DEVICE FOR CHECKROW WIRES
John C. Engebretson, Montevideo, Minn.
Application June 3, 1947, Serial No. 752,141
1 Claim. (Cl. 111—49)

A device for anchoring a planter check row wire at one side of a field comprising an elongated rectangular side frame having parallel outer and inner side bars and a triangular outrigger frame secured to and extending outwardly from said inner bar, end ground wheels for said side frame journaled on said inner bar adjacent the ends thereof to rotate about axes transverse to said side bars, a ground wheel journaled on said triangular frame at the outer corner thereof to



rotate about an axis parallel to the axes of said end wheels, a trolley having means to receive and hold one end of a check row wire, said trolley mounted for travel along the outer bar outwardly of said end wheels, and a bucket depending from said outrigger frame for containing ballast.

2,544,261
INFRARED SENSITIVE CELL
Alan F. Gibson, Malvern Link, England
Application November 3, 1949, Serial No. 125,363
In Great Britain November 11, 1948
12 Claims. (Cl. 201—63)

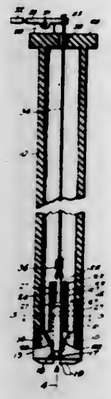


1. Radiation-sensitive cell comprising an envelope having an outer tubular shell closed at one end by a window transparent to radiations in the infra-red wavelength region, an inner tubular shell lying within and spaced from said outer tubular shell and closed at the end adjacent to said window by an end wall and a closure sealing the annular space between the ends of said shells remote from said window, a radiation-sensitive layer formed on the surface of the end wall of said inner tubular shell adjacent said window, electrodes connecting with said layer, leads affording connection between said electrodes and contacts outside said envelope, and a mirror surface layer covering the inner surface of said outer tubular shell over a region extending from the boundaries of said window towards said closure at least beyond the surface supporting said radiation-sensitive layer.

2,544,262
LIQUID LEVEL GAUGE
James M. Hall, Phoenix, Ariz.
Application February 26, 1946, Serial No. 650,325
2 Claims. (Cl. 33—126.4)

2. A liquid level gauge comprising a transparent graduated tube, a support plate at one end of said tube, a plug threaded in the other end of said tube and having an axial bore, said bore including a reduced outer end forming a

valve seat within the bore, a reduced externally threaded sleeve integrally formed with said plug about said bore, a casing threaded on said sleeve and including an end plate having an aperture in registry with said bore, a needle valve slidably received in said bore and said casing and having a stem received in said aperture, said plug having a plurality of fluid channels extending in radial planes from the bore and connecting the



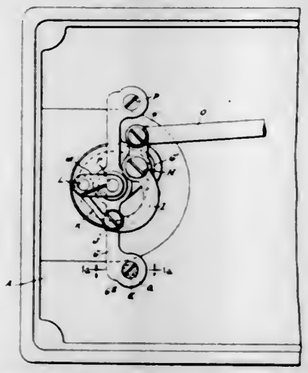
bore with the interior of the tube, a spring surrounding said stem and biased between said end plate and said needle valve to yieldingly urge the needle valve against said seat and the needle valve to a position for closing the fluid channels, a lever pivoted on the support plate, and a lifting cord terminally secured to said lever and said stem, said support plate having a central opening receiving said cord.

2,544,263

SUPPORTING MEANS FOR OSCILLATING SEWING MACHINE HOOKS

Richard K. Hohmann, Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 18, 1947, Serial No. 761,848
4 Claims. (Cl. 112—184)



1. The combination with a sewing machine bed plate formed with a needle hole, of an oscillating hook member beneath said bed plate and having a vertical shaft and loop-taking beak laterally displaced from the axis of said shaft, means for supporting said member with the axis of said shaft displaced from the axis of said hole comprising a supporting bracket having a bearing receiving said shaft, a vertical pivot pivotally connecting said bracket and said bed plate at a distance from the plane including the axes of said shaft and hole, clamping means engaging a portion of said bracket at a distance from said plane and at the opposite side of the latter from said pivot and clamping said portion to said bed plate with said bracket in different angular adjustments about said pivot, and means for oscillating said hook member about the axis of said shaft comprising a lever pivotally mounted on said bracket to oscillate about a vertical axis and pivotally connected to said hook member at a distance from the axis of said shaft.

2,544,264

SHOE PROTECTOR

Edwin A. Howard, Stow, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire

Application September 9, 1947, Serial No. 773,965
2 Claims. (Cl. 36—7.2)



1. A shoe protector comprising a pair of plies of translucent flexible plastic material substantially coextensive in area and superposed, each ply having a solid forepart merging into a pair of rearwardly extending strap members, binding strips of U-shape cross section bonded to the superposed plies along parallel marginal lines in the strap members to form peripheral passages extending along both margins thereof, an endless elastic runner disposed in each of said passages and maintained under tension urging the plies to pocket formation, an outsole bonded to the forepart portion of one of said plies, and a tab integral with said outsole at the rear end thereof and turned over a margin of the plies and bonded to the upper surface thereof.

2,544,265

METHOD OF MAKING FISH LURES

Cornelius S. Kelly and Elsie A. Kelly, Hollywood, Fla.

Application March 18, 1949, Serial No. 82,096
2 Claims. (Cl. 43—42.53)



1. The method of forming a fishing lure which consists of forming a body portion of conical shape, grooving the body throughout its length,

of cutting a V-shaped mouth in one end of the body, wrapping a hook shank with thread and coating with cement, setting the coated shank within the groove prior to the setting of the cement, of passing the thread from the shank about the body of the lure in a continuous wrapping back and forth, of placing one end of a tail feather upon the shank adjacent the end of the lure body opposite to the mouth, of wrapping the feather upon the shank with the thread and cementing and then wrapping a hackle upon the shank, wrapping the thread about the hackle and cementing the hackle and its thread wrapping.

2,544,266

METHOD OF MAKING OUTLET BOXES

Frank J. Kennedy, Mount Lebanon, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware

Original application June 1, 1948, Serial No. 30,221. Divided and this application August 15, 1949, Serial No. 110,431
3 Claims. (Cl. 113—120)



1. The method of making an electrical outlet box by scoring a groove adjacent and parallel to a longitudinal edge of a piece of metal strip, cutting notches at intervals to extend from the edge of the said piece approximately to the said groove, displacing from the substance of the piece on a line parallel to the said groove and spaced therefrom away from the adjacent edge of the piece a plurality of retainer feet of small size and sturdy construction to provide a rigid pressure-sustaining backing, bending the said piece and interengaging the ends thereof to form the bounding wall structure of the outlet box, placing a separately formed bottom plate against said retainer feet within the space bounded by said wall structure substantially to fill the space between said groove and the adjacent surfaces of the said retainer feet; and integrating the said bottom plate with the said bounding wall structure by folding the portions of the said wall structure between notches at the line of said groove into clinching relation with a marginal region of the said bottom plate.

2,544,267

CUSHIONING DEVICE FOR TELEPHONE RECEIVERS

William J. Konvalinka, Altadena, Calif.

Application October 25, 1947, Serial No. 782,068
4 Claims. (Cl. 179—184)

1. In a cushioning device adapted to fit over a cap of an acoustic receiver of the type described and employing a unitary clamping member adapted to clamp about the periphery of said cap, said clamping member having an inwardly directed holding flange at the outer end thereof, the inner diameter of said flange being less than the outer diameter of said cap, the improvement comprising a normally flat disc-like cushioning diaphragm formed of resilient cellular material, said diaphragm when flat being of such a diameter slightly greater than said cap so as to adapt



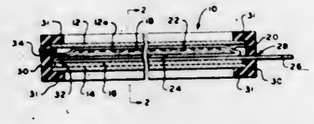
it for clamping between said cap and said holding flange, whereby said diaphragm is domed outwardly from said cap when clamped between said cap and said clamping member.

2,544,268

PHOTOGRAPHIC PRODUCT

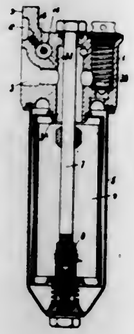
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application October 7, 1948, Serial No. 53,355
15 Claims. (Cl. 95—6)



1. A composite photographic film unit comprising, in combination, a frame, a first wall member, a second wall member, said wall members being mounted within said frame and forming with said frame a relatively flat, substantially liquid-tight chamber, said frame having a sheet-withdrawal passage in one wall thereof, a photosensitive layer contained within said chamber adjacent said first wall member, said photosensitive layer comprising a silver halide emulsion capable of being rendered developable upon exposure to ionizing rays, a liquid-impermeable sheet material located between said wall members within said chamber and cooperating with said second wall member to provide a liquid-tight container adjacent said second wall member, a processing liquid within said container and held thereby out of contact with said photosensitive layer, said liquid-impermeable sheet material preventing said liquid from permeating said photosensitive layer, a tab connected to said liquid-impermeable sheet material and extending through said passage to the exterior of said unit, at least so much of said liquid-impermeable sheet material as is located between said photosensitive layer and said liquid being removable through said passage by means of said tab, said sheet material cooperating with said passage during removal to prevent escape of liquid through said passage, said liquid remaining in the chamber to permeate said photosensitive layer, and image-transforming material, including a silver halide developer, contained within said chamber, said image-transforming material being rendered effective to develop said silver halide emulsion upon permeation of said emulsion with said liquid.

2,544,269
OIL FILTRATION SYSTEM
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application April 24, 1947, Serial No. 743,581
In Great Britain May 31, 1946
6 Claims. (Cl. 260—62)



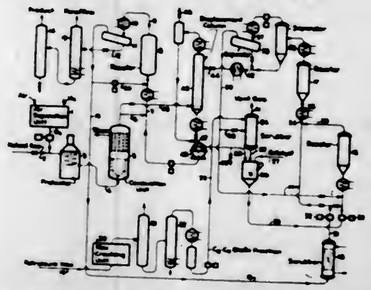
1. A filter comprising in combination a head having an inlet for unfiltered oil adapted to be connected to a source of oil under pressure, a main outlet for filtered oil adapted to be connected to a place of use of the oil, and a subsidiary outlet for unfiltered oil adapted to be connected to a receptacle, a filter container, means for detachably connecting said filter container to said head, a tubular filter element mounted in said filter container of such size that an annular space is formed in said filter container between the latter and said filter element, a port in said head connecting said inlet with said annular space, a passage formed in said head connecting the interior of said filter element with said main outlet, a chamber in said head in communication with said subsidiary outlet, a second passage providing communication between said chamber and said inlet, a valve seat surrounding the outlet end of said passage, a second chamber in said head, a cylinder in said head having one end communicating with said second chamber, a third passage connecting the opposite end of said cylinder with said main outlet, a fourth passage providing communication between said second chamber and said annular space, and a control valve assembly slidably arranged in said head and adapted to allow unfiltered oil to flow to said receptacle through said subsidiary outlet when the pressure of filtered oil in said main outlet exceeds a predetermined value, said assembly comprising a valve head having a dirt cutting edge normally seated against said valve seat in said first chamber, a piston part slidable in said cylinder between said third passage and the end of said cylinder which communicates with said second chamber, means operatively connecting said valve head and said piston part, said piston part being acted upon on one side by the pressure of the filtered oil at the main outlet and on the other side by the pressure of the unfiltered oil in said second chamber which exerts a thrust equal and opposite to the thrust on said valve head, and a control spring acting on said piston part to bias said valve head toward said valve seat.

2,544,270
FOOTHOLD AND METHOD OF MANUFACTURE
Leslie H. L'Hollier, Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 2, 1948, Serial No. 18,635
11 Claims. (Cl. 36—7.4)



1. An overshoe comprising a band of resilient material, relatively wide as compared to its thickness, endless and twisted in the shape of a figure-8 with the cross-over thereof secured together in face-to-face relation to form a shank, the loop of said band forward of said shank providing an upstanding vamp and the loop of said band to the rear of said shank providing an upwardly and rearwardly directed heel-encircling member by virtue of said shape and twist, and a sole disposed forwardly of said shank and secured along the lower margin of said upstanding vamp.

2,544,271
PRODUCTION OF OXYGENATED PRODUCTS FROM PETROLEUM
George E. Liedholm, Berkeley, and James T. Harlan, Jr., San Rafael, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 13, 1947, Serial No. 721,736
6 Claims. (Cl. 260—638)



1. A process for the production of oxygenated products including alcohol from an olefinic petroleum fraction, natural gas, and oxygen through the two-step Oxo synthesis, which comprises the steps of combusting natural gas with oxygen under conditions to produce a synthesis gas consisting predominantly of hydrogen and carbon monoxide in a mol ratio of at least 1.5:1, reacting said olefinic petroleum fraction in the first step of the Oxo synthesis with a cobalt catalyst and with a synthesis gas derived as hereinafter specified and consisting predominantly of hydrogen and carbon monoxide in a mol ratio below 1.5:1 to produce a liquid product containing aldehydes, hydrogenating said liquid product in the second step of the Oxo synthesis in a separate zone with a sulf-active hydrogenation catalyst and with said synthesis gas consisting predominantly of hydrogen and carbon monoxide in a mol ratio of at least 1.5:1, said synthesis gas being applied in an amount in excess of the amount consumed in said hydrogenation, and utilizing the unreacted excess synthesis gas from said hydrogenation step as the aforementioned synthesis gas reacted with said olefinic petroleum fraction in said first synthesis step, and recovering oxygenated product including alcohol from the product of said second synthesis step.

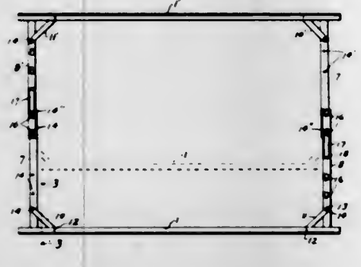
2,544,272
PENICILLIN SALT SUSPENSIONS
Henry C. Miller, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application January 8, 1948, Serial No. 1,277
6 Claims. (Cl. 167—58)

1. A readily redispersible substantially water-free therapeutic composition comprising a major proportion of an oleaginous vehicle, a minor proportion of a finely divided water-insoluble, and oil-insoluble organic penicillin salt and an amount effective to cause redispersion and less than about one percent by volume of at least one emulsifying agent of the group consisting of the fatty acid partial esters of hexitol anhydrides and their polyalkylene oxide derivatives.

2,544,273
FERMENTATION ACTIVATION
Carl Shelley Miner, Jr., Winnetka, and Bernard Wolnak, Chicago, Ill., assignors to Sewerage Commission of the City of Milwaukee, Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application January 21, 1949, Serial No. 72,093
24 Claims. (Cl. 195—37)

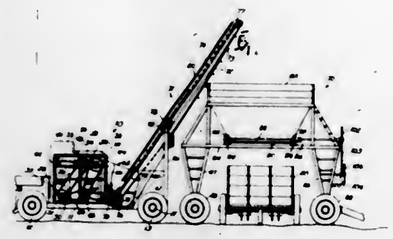
1. A fermentation medium comprising a fermentable carbohydrate and a composition selected from the group consisting of a sludge resulting from the microbiological treatment of sewage and a hydrolysate thereof.

2,544,274
EXPANSIBLE BEDFRAME AND THE LIKE
William August Moeller, Los Angeles, Calif.
Application April 12, 1949, Serial No. 86,969
2 Claims. (Cl. 5—185)



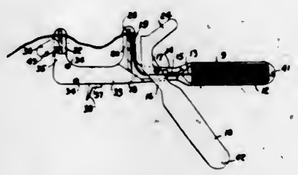
1. In a bedstead structure having a pair of complementary rail units, each unit comprising an elongated rail with an extension arm pivoted near each end thereof, means for bracing each arm near where it joins the rail, said bracing means comprising a pivoted bar having latch means so that it can hold the rail and itself in a substantially right angle position, a plurality of predeterminately spaced bayonet-like slots on one arm and a plurality of studs on the other arm positioned so that they can be engaged by the arm having the bayonet-like slots.

2,544,275
MACHINE FOR PREPARING SEED CANE
William M. Meragne, Lihue, Territory of Hawaii, assignor to Grove Farm Company, Limited, Puhi, Kauai, Territory of Hawaii, a corporation of Hawaii
Original application March 23, 1946, Serial No. 656,654. Divided and this application September 7, 1948, Serial No. 48,118
8 Claims. (Cl. 47—1)



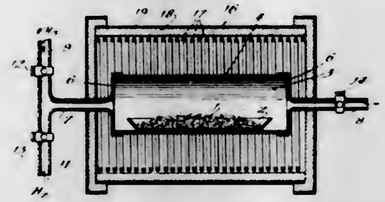
1. Machine for large scale conversion of full length sugar cane stalks into fungicide-treated seed segments for planting, comprising in combination, a saw unit comprising a plurality of circular saws spaced apart on a single shaft, conveyor means for delivering sugar cane stalks into said saw unit and for carrying away the seed segments from the rear side thereof, a liquid-tight hopper disposed on the rear side of said saw unit and below said conveyor means whereinto the segments fall as they are carried away from the rear side of said saw unit, an elevator for removing said segments from said hopper while permitting liquid to drain therefrom, and power means for driving said saw unit, said conveyor means, and said elevator.

2,544,276
DENTAL FLOSS HOLDER
Robert A. Ness, Royal Oak, Mich.
Application March 5, 1949, Serial No. 79,759
8 Claims. (Cl. 132—92)



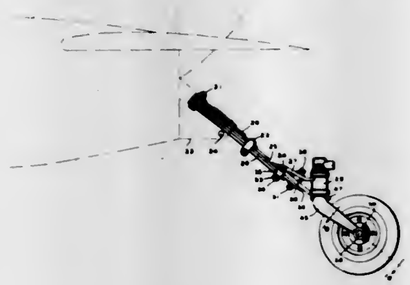
1. In a dental floss holder of the class described, a pair of spaced apart fingers, each having a passage formed therethrough adjacent one end for the threading of a strand of dental floss therethrough, and each provided at said end with a pocket communicating with said passage; a slidable bar slidable longitudinally of each of said fingers and slidable in one direction across the passage in the finger into said pocket for forcing and binding the strand of dental floss in the pocket; and a rockable cam rockable in one direction for forcing said bars into said pockets.

2,544,277
PREPARATION OF URANIUM NITRIDE
Amos S. Newton and Oliver Johnson, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission
Application June 12, 1945, Serial No. 599,067
2 Claims. (Cl. 23—14.5)



1. A process of obtaining a uranium nitride which comprises reacting a member of the group consisting of ammonia and nitrogen with uranium hydride at a temperature of between 200° C. and 400° C. and thereafter calcining the uranium nitride thus obtained at a temperature substantially above 400° C. to secure a uranium nitride having a lower nitrogen content than the uranium nitride originally produced.

2,544,278
TAIL WHEEL ASSEMBLY
Claude H. Nickell, New Castle, Ind.
Application April 15, 1946, Serial No. 662,251
21 Claims. (Cl. 244—109)



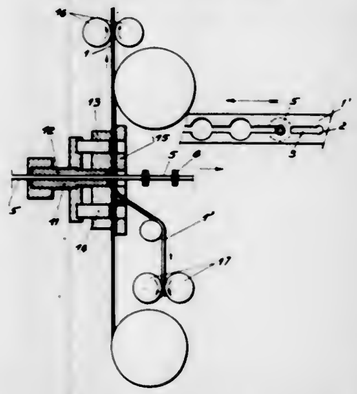
1. A tail wheel assembly for aircraft comprising resilient supporting means; a bracket having a portion arranged for attachment to said supporting means and a cylindrical post receiving portion; a post journalled in said bracket; an arm secured to the lower end of said post; a wheel axle carried by said arm; a wheel journalled on said axle; a steering cap provided with laterally extending arms rotatably mounted on the upper end of said post; means carried by said cap to releasably retain said cap on said post and provide an operative connection between said cap and said post, said means engaging an annular recess in said post and being operative to release said connection to permit free swivelling of said wheel when subjected to forces above a predetermined value and upon further operation thereof to release said cap from said post; and a tire on said wheel.

2,544,279
TYMPAN
William Page, Appleton, Wis., assignor to Swigart Paper Co., Chicago, Ill., a corporation of Illinois
Application July 28, 1948, Serial No. 41,070
6 Claims. (Cl. 154—54.5)



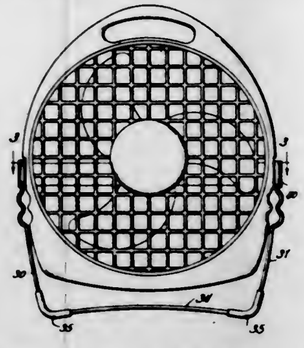
4. A washable tympan for printing presses consisting of a laminated sheet made up of a sheet of paper possessing relatively great tensile strength and a sheet of parchment paper forming the exposed surface of the tympan, and an adhesive between the two sheets consisting of a starch paste of a viscosity in a range between 8,755 centipoises and 100,000 centipoises and a mixture of an aqueous emulsion of resin and a coagulant inhibitor.

2,544,280
DEVICE FOR MOUNTING INSULATING WASHERS ON ELECTRICAL CONDUCTORS
Maurice Sabine, Conflans-Sainte-Honorine, France, assignor to Lignes Telegraphiques et Telephoniques, Seine-et-Oise, France, a joint-stock company of France
Application April 30, 1947, Serial No. 744,824
In France October 30, 1946
2 Claims. (Cl. 164—13)



1. A device for placing split insulating washers in position on an electric conductor, which comprises a main punch provided with an axial passage, means for feeding the electric conductor inside said passage, means for feeding step by step, at right angles to the conductor, a strip of insulating material provided with preparatory axial slots which successively straddle the conductor, an auxiliary punch for cutting out the preparatory axial slots, which is displaced relatively to the main punch such a distance that when said main punch cuts out a washer from the strip, the opening made thereby joins the leading end of the next preparatory axial slot, and means for actuating said punches during the time when the strip of insulating material is stationary.

2,544,281
HOUSING FOR ELECTRIC FANS AND THE LIKE
Lewis W. Sell, Chicago, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application July 16, 1949, Serial No. 105,101
5 Claims. (Cl. 230—275)



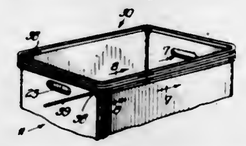
1. A combination housing and guard for a fan-motor assembly and the like in which two complementary shells are arranged axially of the fan motor, one adjacent the other, each shell being provided with a grille face, one disposed ahead of the fan motor and the other rearwardly thereof, the marginal portions of each shell being inturned toward the other to meet therewith, means for releasably securing the two shells together in unitary relation, a mounting for the fan motor comprising a strap adjacent the interior face of the rear shell and fixedly secured thereto and to the motor, a guideway formed in one shell at opposite sides thereof, a dowel plate slidably fitted in each guideway, means to hold each dowel plate within its guideway comprising ears extended forwardly from the two strap ends, a base support for the two shells, and means pivotally connecting the base support with each dowel plate.

2,544,282
NEEDLE PULLING DEVICE FOR HAND SEWING
James A. Sinclair and Robert P. Willard, Elmira, N. Y.
Application June 12, 1947, Serial No. 754,170
3 Claims. (Cl. 223—101)



1. A needle grasping implement for use in hand sewing, comprising a strip of strap metal of spring nature bent in the middle to provide a bight, said strip being further bent inwardly adjacent to and on both sides of said bight to provide spaced jaws, the free end portions of said strip being divergent from said jaws to provide handles, said jaws grasping the needle upon pressing said handles towards each other, thereby contracting said bight and bringing said jaws closer together against the resistance of the spring metal, release of said handles having the effect of restoring said bight to normal condition and releasing said jaws, said bight having an entrance opening for the needle longitudinally spaced from said jaws so that the edges of said opening will guide the needle to the jaws and brace the needle against lateral movement upon pushing it through goods being sewed.

2,544,283
RE-USABLE CONTAINER
Leonard W. Snyder, Mount Prospect, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application April 20, 1948, Serial No. 22,161
8 Claims. (Cl. 229—32)

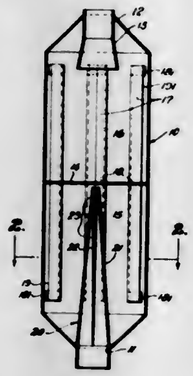


1. A reusable rectangular fibre board container comprising, in combination, single layer side and bottom walls foldably interconnected at their ends by extensions thereof providing triple layer end walls, locking flaps folded downwardly from the upper edges of said side walls and biased away from their outer surfaces, and a rectangular metallic reenforcing channel of uniform cross section extending around the upper edges of said side and end walls and constituting the only means holding the same in set up condition, said reenforcing channel having an intermediate portion parallel to the adjacent side wall and coextensive with the adjacent locking flap, said intermediate portion having a lip along its under side extending underneath said locking flap for interlocking with the under edge thereof when it is biased toward said intermediate portion, said intermediate portion also having a lip along its upper side extending inwardly over the upper edges of said side and end walls, the last mentioned lip having a depending flange along its inner side extending parallel to the adjacent side and end walls, said intermediate portion of said metallic reenforcing channel being apertured to receive a tool between its inner surface and the adjacent locking flap to move the latter out of interlocking engagement with the first mentioned lip to permit removal of said channel for reuse in another container.

2,544,284
MUFFLER WITH PLURAL PERFORATED PASSAGES
Foster M. Stephens and Arnold Bartels, Los Angeles, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application May 5, 1947, Serial No. 745,978
2 Claims. (Cl. 181—46)

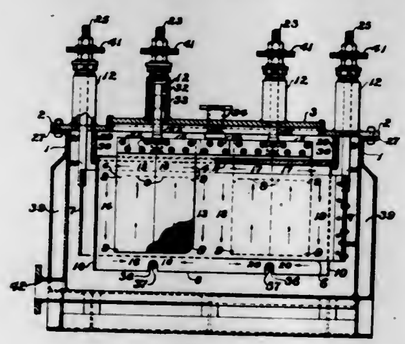
1. An engine muffler comprising an elongated shell containing a pair of chambers through which the gas has series flow, a partition separating said chambers, channel members extending through said partition adjacent the shell and spaced therefrom to form narrow elongated openings through which the gas flows from one chamber into the channel members and passes therethrough into the other chamber, and

means attaching the edges of said members to the shell at spaced intervals so that the mem-



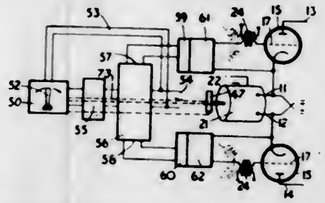
bers and shell are in mutually reenforcing relation.

2,544,285
ELECTROLYTIC CELL
Kenneth E. Stuart and Sidney G. Osborne, Niagara Falls, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 15, 1944, Serial No. 526,634
3 Claims. (Cl. 204—247)



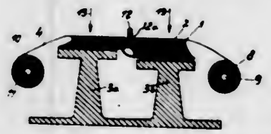
1. An electrolytic cell for production of hydrogen and fluorine from a molten, substantially anhydrous electrolyte consisting of hydrogen fluoride absorbed in alkali metal fluoride, comprising a normally level metal tank, a gas and liquid retaining cover therefor, an opening in said cover, a cover plate for said opening, an anodic electrode withdrawable through said opening, a cathodic electrode spaced from said anodic electrode, an electrical conductor extending through said cover plate connected to and supporting said anodic electrode, means for insulating said conductor from said cover plate and forming a gas tight closure between said conductor and said cover plate, means for supporting said cathodic electrode, and means for collecting the gases evolved upon said anodic and cathodic electrodes respectively in separate chambers, said tank having outlets therein for separately delivering said gases from said chambers.

2,544,286
ELECTRIC MOTOR CONTROL SYSTEM
Joseph Alan Tanner, Farnborough, England
Application January 15, 1946, Serial No. 641,327
In Great Britain January 15, 1945
3 Claims. (Cl. 318—28)



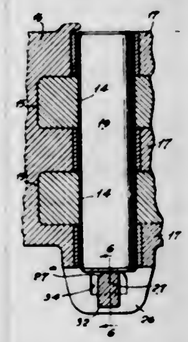
1. Electrical control apparatus, for connection to an alternating current source to supply variable and reversible direct current to a direct current motor, comprising transformer supply means, at least two adjustable branch circuits comprising each a secondary winding of said transformer supply means and a one-way-current device connected in series, said circuits being connected oppositely in parallel with one another across the motor supply leads, means operable in response to loading conditions for adjusting the two branch circuits to cause one of said circuits at a time to pass increased current, a control arrangement including actuating control means, follow-up control means, and compensating control means connected for operation by said means operable in response to loading conditions, and means for energising the compensating control means in accordance with displacement of the follow-up control means away from a predetermined, e. g., neutral, adjustment thereof in such manner that the compensating control means are operative only when the follow-up control means are displaced from said predetermined position.

2,544,287
EXPOSURE APPARATUS FOR MAKING PHOTOPRINTS
Karel Jan Josef van der Grinten, Venlo, Netherlands, assignor to Chemische Fabriek L. Van Der Grinten, a company of the Netherlands
Application July 19, 1948, Serial No. 39,430
In the Netherlands July 19, 1947
3 Claims. (Cl. 95—73)



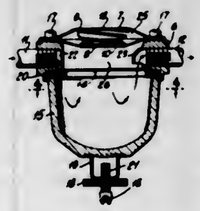
1. Exposure apparatus for making photoprints from books by contact reflex copying, comprising a device for supporting an open book with at least one page exposed and covered by light-sensitive sheet material, a flexible transparent pressure sheet extending over said device, tensioning means including elements at opposite sides of said device for holding portions of said pressure sheet tightly with the sheet spanning such page, the supporting device and the tensioning means being relatively movable in a direction transverse to such page so as to press the latter and the spanning pressure sheet firmly together, and a press-ruler mounted over the pressure sheet for movement in the said direction and having a rectilinear edge acting upon movement toward the book to press part of the spanning pressure sheet into the fold of the open book.

2,544,288
PIN RETAINING MEANS
Harry H. Welfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 1, 1945, Serial No. 619,666
10 Claims. (Cl. 213—72)



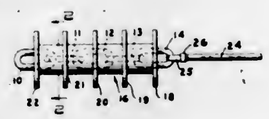
3. In a railway draft appliance having a vertically disposed coupling pin, a pair of spaced lugs depending from said draft appliance at opposite sides of said coupling pin, said lugs having slots therein in substantially horizontal alignment, a retaining key arranged transversely across the lower end of the coupling pin and supported in said slots, a head portion at one end of the retaining key generally rectangular shaped in cross section, an arcuate surface at one corner of the head, an intermediate portion on the retaining key between the lugs substantially rectangular in shape in cross section and aligned with the head, an arcuate surface at one corner of the intermediate portion aligned with the arcuate surface on the head, journal areas at the ends of the intermediate portion and located within said slots, and said journal areas in cross section being generally square with a pair of opposite corners arcuate shaped.

2,544,289
FILTER AND PULSATION DAMPENER
John Lewis Andrews, Fairfield, Ill., assignor to Chefford Master Manufacturing Co. Inc., a corporation of Illinois
Application June 26, 1946, Serial No. 679,508
2 Claims. (Cl. 210—165)



1. A filter and pulsation dampener for pulsating liquid feed means comprising a casing forming a chamber, filter means extending across an intermediate portion of the chamber dividing the chamber into an upper portion and a lower portion, a collapsible element, having at least one surface located for contact with liquid in the upper portion, resiliently resisting collapse as it yields, for increasing the volumetric capacity of said portion in accordance with the increase in pressure in the chamber and recovering from collapse in accordance with a decrease in pressure in said chamber, an inlet passage into the upper portion for leading the liquid from the feed means into the lower portion before passing through the filter means for its filtering action, an outlet passage in said upper portion for discharging the liquid from said upper portion after the liquid has passed up from the lower portion through the filter means for its filtering action, and baffle means in the upper portion at the inner end of the outlet passage, said baffle means by its presence causing a momentary downward or reverse flow of liquid through the filter means when said collapsible element recovers from collapse.

2,544,290
RUBBER CONDUIT CLEANER OF THE PLUNGER TYPE
Edwin R. Bailey, Grand Rapids, Mich.
Application February 14, 1948, Serial No. 8,400
2 Claims. (Cl. 15—104.16)



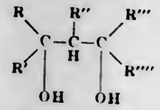
2. A conduit cleaner for structural electric conduits comprising a section of link chain, a rubber body completely embedding said chain except the outer ends of the end links which are left free as hitch loops, and radial rubber flanges on said body each lying in a plane transverse of the body and in axially spaced relation from end to end of the body to serve as cleaning elements for the inside of a conduit.

2,544,291
ALKALOID MANUFACTURE
Manuel Mannheim Baizer, Flushing, N. Y., assignor to New York Quinine and Chemical Works, Incorporated, Brooklyn, N. Y., a corporation of New York
No Drawing. Application April 5, 1949, Serial No. 85,729
3 Claims. (Cl. 260—285)

1. An improved method for the manufacture of codeine-free dihydrocodeinone from crude codeine which comprises heating the crude base in dilute acid solution in the presence of supported palladium catalyst, cooling the filtered reaction mixture, making it alkaline and extracting the crude dihydrocodeinone from it with an organic solvent, then extracting it from the organic solvent solution with sodium bisulfite solution, making the extract alkaline, filtering off the precipitated crude dihydrocodeinone, washing and drying it, dissolving it in a halogenated aliphatic hydrocarbon, fractionating the solution by passing it over aluminum oxide whereby an effluent containing codeine-free dihydrocodeinone is obtained, and recycling the remaining portion of the effluent through the process.

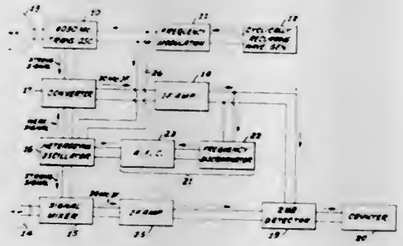
2,544,292
CONDENSATION OF POLYHYDRIC PHENOLS AND POLYHYDRIC ALCOHOLS
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 26, 1945, Serial No. 637,288
14 Claims. (Cl. 260—621)

1. The product having at least one but less than two hydroxyl groups comprising in chemical combination one molecular proportion of a dihydric phenol and substantially two molecular proportions of a dihydric alcohol obtained by reacting below 100° C. in the presence of a condensation catalyst a dihydric phenol and a dihydric alcohol of at least four carbon atoms containing the nucleus



where R, R', R'', R''' and R'''' are selected from a group consisting of hydrogen and methyl groups.

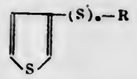
2,544,293
FREQUENCY-MODULATED RADAR SYSTEM OF SUPERHETERODYNE TYPE
René A. Braden, Hopewell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1949, Serial No. 84,906
4 Claims. (Cl. 343—14)



1. A radio distance determining system comprising: transmitting means for transmitting a cyclically frequency modulated radio signal to a wave reflecting surface, means for receiving said signal after it has been reflected from said reflecting surface, a mixer and a converter, means including an oscillator and said mixer for heterodyning said reflected signal to an intermediate-frequency signal, means including said oscillator and said converter for heterodyning a signal transmitted directly from the transmitter to an intermediate-frequency signal, separate amplifying means for amplifying the respective intermediate-frequency signals, a second detector to which the intermediate-frequency signals are applied for producing a beat-frequency signal, a frequency discriminator to which the said transmitter intermediate-frequency signal is applied, an automatic-frequency-control means for said oscillator to which means the output of said discriminator is applied, and additional means for frequency-modulating said oscillator synchronously with the frequency modulation of said transmitter for reducing the frequency band width occupied by said intermediate-frequency signals.

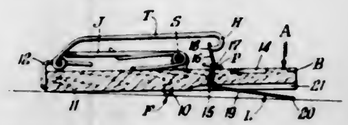
2,544,294
3-THIENYL SULFIDES
John W. Brooks, Wenonah, and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application January 28, 1948, Serial No. 4,928. Divided and this application January 22, 1949, Serial No. 72,265
6 Claims. (Cl. 260—329)

6. As a new composition of matter, a thienyl sulfide selected from the group consisting of di-3-thienyl trisulfide, di-3-thienyl tetrasulfide, and a compound having the general formula:



where R is a saturated alkyl group having a carbon chain of between 4 and 24 carbon atoms and n is a whole number ranging from 2 to 5, inclusive.

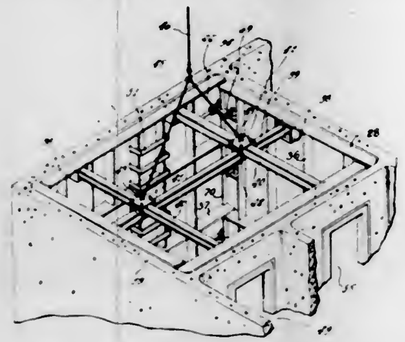
2,544,295
ANIMAL TRAP
Erich Brust, Norwood, N. J.
Application January 24, 1946, Serial No. 643,141
2 Claims. (Cl. 43—81)



1. An animal trap comprising, in combination, a base, a fulcrum on the bottom of said base adapted to rockably engage a supporting surface and to space the front portion of said base from said surface; a spring-actuated jaw adapted to close the trap in cooperation with said front portion, a trigger adapted to retain and release said jaw, and means for releasing said trigger, said means including a two-armed unitary lever, adapted to rest with the extreme end of one of its arms upon said supporting surface and to releasably engage said trigger at the extreme end of the other one of its arms, said base being provided with an oblong, substantially rectangular and relatively narrow aperture permitting said last mentioned arm of said lever to pass through said base, said lever being so disposed relative to said aperture that said last mentioned arm extends diagonally therethrough and frictionally engages portions of opposite inner walls thereof when in the operative position, said lever being adapted to pivot about a point near the lower part of said aperture and to swing freely through a relatively narrow arc within the same when moving into the inoperative position, the angle of the arc of said swinging motion being controlled by the distance between said opposite walls.

2,544,296
1-(p-TOLYLTHIO)-3-TRIMETHYLSILYL-PROPANE
Charles A. Burkhard, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 18, 1949, Serial No. 111,092
1 Claim. (Cl. 260—448.2)
1-(p-tolylthio)-3-trimethylsilylpropane.

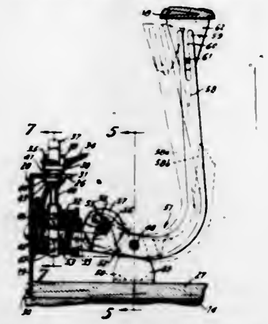
2,544,297
COLLAPSIBLE FORM FOR CONCRETE WALL CONSTRUCTION
Patrick J. Callan, Great Neck, N. Y.
Application March 24, 1947, Serial No. 736,685
3 Claims. (Cl. 25—131)



1. A wall form arrangement for building construction, which comprises an outer wall form adapted to form the exterior wall surface of the building structure, an inner wall form comprising multiple plate parts, one for each wall surface of a room, said parts having edges adapted to be drawn into flush engagement with one another, one of said parts at each corner having a rounded portion, the other of said parts at each corner terminating short of said corners, said parts being mounted for movement relative to each other from a position where the juxtaposed edges thereof are flush and in engagement with each other to a position where said edges overlap, and a locking lever device disposed in each of the corners and connected between the adjacent parts to expand the inner wall form, to position the edges of the parts into flush engagement with each other and to retain the same in such engagement, said locking lever device being operable to contract the parts, whereby the edges of said parts may overlap one another upon the parts to reduce the size of the inner wall form, whereby said inner wall form may be withdrawn from a wall.

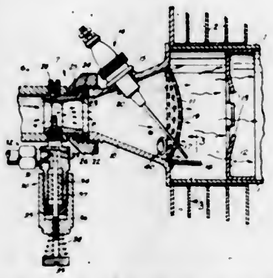
2,544,298
ELECTROMAGNETIC MECHANISM FOR AGITATING CRADLES
Joseph Chodacki and Albert Zak, Detroit, Mich.
Application April 19, 1948, Serial No. 21,938
3 Claims. (Cl. 5—109)

1. Electromagnetic means to operate a cradle in a pendulum-like motion, said means including an upright bracket mounted upon a base under said cradle, a pair of electromagnets mounted on said brackets and including magnetizable cores, the cores of the electromagnets being disposed alongside each other in a spaced relation to the base, a two-armed lever, fulcrummed in front of the cores upon a bolt disposed transversely with respect to said cores, one of said arms extending substantially upwardly and having means for connection to the cradle, the other arm being disposed substantially horizontally, a pair of axially aligned rollers supported by the last-said arm in a parallel position to said bolt, the rollers being made of metal adapted to be attracted by the electromagnets to cause the upright arm to impart to said cradle, a thrust for a pendulum-like swing, a switch above the electromagnets, means actuated by the roller-supporting arm of the lever, to alternately close the



switch and to open it, and cable means to supply current to said electromagnets.

2,544,299
LIQUID FUEL BURNER WITH MIXING AND IGNITING MEANS
Ralph S. Damon, Cleveland, and Robert H. Hunter, Gates Mills, Ohio; said Damon assignor to said Hunter
Application January 2, 1948, Serial No. 256
6 Claims. (Cl. 158—28)

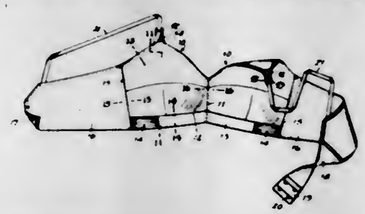


1. In a heating apparatus of the type described, means forming a mixing chamber for air and liquid fuel, means to conduct fuel and air to the chamber, means forming a combustion chamber, a metal mixture delivery tube of gradually expanding transverse area connecting the two chambers and in sealed relation thereto adjacent respective chambers, a mixture distributor plate across the larger end of the tube and having a multiplicity of openings therethrough including one relatively large opening, electrical ground surface means adjacent said larger opening adapted and arranged to retain a film of condensed liquid fuel thereon, and a spark plug insulatingly and removably mounted on a wall of the tube and having a terminal projecting adjacent said larger opening and in sparking relation with said ground surface means, said larger opening providing clearance for the spark terminal.

2,544,300
BRASSIERE
William F. Davenport, Stratford, and Howard A. Smith, Fairfield, Conn.
Application June 28, 1950, Serial No. 170,882
3 Claims. (Cl. 2—42)

1. In a brassière, a pair of bust receiving pockets, each comprising an outer layer of flex-

ible non-elastic air-impervious material having a permanent cupped contour normally presenting a convex front surface simulating the contour of a bust of predetermined size and shape, an inner layer of flexible air-impervious material substantially conforming in peripheral outline to said outer layer and having a cupped contour normally presenting a concave rear surface providing a pocket for receiving the bust of the wearer, said layers being joined at their peripheral portions



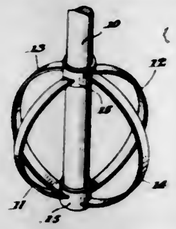
by an air-impervious seal to provide an air retaining space between said layers, and sealable means in communication with said space for admitting between said layers a quantity of air determined by the size of the bust of the wearer, said outer layer adapted to be resiliently sustained by said air and said inner layer adapted to be moved thereby inwardly from said outer layer into conforming relation to the bust of the wearer.

2,544,301

AGITATION OF PULPS AND THE LIKE

Edward Delbert Davis and Joseph Eugene Germain, Flin Flon, Manitoba, Canada, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada, a corporation of Canada

Application February 24, 1948, Serial No. 10,346
1 Claim. (Cl. 259—133)



An agitating device comprising a rotatable shaft, a first pair of loop members mounted on said shaft to form an outer hoop member, a second pair of loop members mounted on said shaft to form an inner hoop member, said outer and inner hoops being arranged at an angle of substantially 90° to each other, said inner and outer hoop members being circular in configuration and a twist of each loop member decreasing gradually from a maximum at the central portion to zero at each end, said outer hoop being of greater diameter than said inner hoop so that any point on said inner hoop member is located closer to said shaft than the corresponding point on said outer hoop member, the difference in diameter between said hoop members being uniform at all points along their circumferences, and each of said loop members being twisted so that points on the leading edge of each loop member lie more remote from said shaft than the corresponding points on the trailing edge.

2,544,302

HEADING DIE AND METHOD OF MAKING IT

Hershel B. Duncan, Detroit, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York

Application August 30, 1945, Serial No. 613,510
5 Claims. (Cl. 78—82)



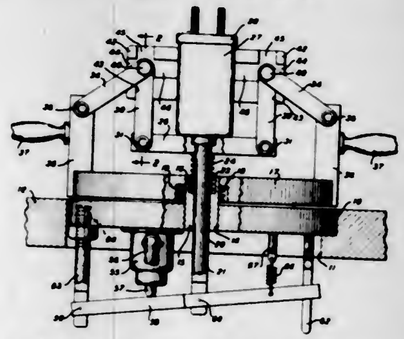
1. A two-piece die nib, the juxtaposed surfaces of said pieces being in direct contact with each other, and a ring of solder connecting said pieces, said solder being positioned in a recess in one of said pieces whereby any pressure applied to said die nib is not transmitted through said solder.

2,544,303

HOLDING FIXTURE FOR ARTICLES

Norman E. Earle, Groveland, and Theodore B. Robinson, Winchester, Mass., assignors to Western Electric Company, Incorporated, a corporation of New York

Application November 23, 1947, Serial No. 788,546
2 Claims. (Cl. 81—17.2)



1. A holding fixture for articles comprising a table to support articles of various sizes singly, spaced arms pivotally mounted on the table, a support, links connecting the arms to the support to movably support the table, spindles carried by the arms, clamping elements having apertures therein disposed varied distances from a plurality of article engaging surfaces of each element whereby the surfaces may be selectively positioned to engage and clamp articles of various sizes singly upon movement of the table, means to normally hold the table in a loading position to hold the clamping elements out of article engaging positions, and means to move the table to move the arms and links to thereby cause movement of the clamping elements into engagement with the article.

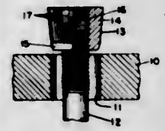
2,544,304

PLUG NUT

Dana C. Eckenbeck, Philip E. Slaughter, and Charles L. Madden, Minneapolis, Minn.

Application December 9, 1946, Serial No. 714,974
5 Claims. (Cl. 85—32)

1. In combination, a plate having a cylindrical hole therein, an insert having a head and a frusto-conical outer surface portion having its small end of a diameter substantially equal to but of less diameter than the diameter of the hole, a threaded bore in the insert and said insert being of greater resistance to deformation than the resistance of the material of the plate to deformation, with a recess adjacent the said head, the



taper of the frusto-conical portion from the small end being such that upon enforced seating, small end foremost in the hole, substantial deformation of the plate material will be produced about the hole without substantial deformation of the frusto-conical portion and the material of the plate will flow into said recess.

2,544,305

MULTIPLE KEY LOCKING SYSTEM

Christian J. Finke, Drexel Hill, and Miguel A. Guzman, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York

Application July 28, 1948, Serial No. 41,094
4 Claims. (Cl. 70—265)



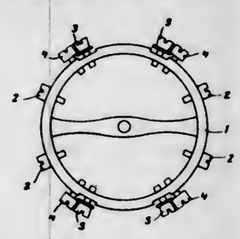
1. A double-key sequential locking device having a pair of separately removable keys and a rotatable cylinder provided with an outwardly open key-receiving slot in each end thereof to require removal and insertion of the two keys in opposite axial directions and cooperating relatively angularly-displaced tumblers for locking the cylinder in different angular positions with a corresponding one of the keys locked therein when the other key is removed.

2,544,306

BALANCE WHEEL FOR TIMEPIECES

Charles Fleck, La Chaux de Fonds, Switzerland, assignor to S. A. Les Fabriques de Balanciers Reunies, Bienne, Switzerland

Application January 14, 1949, Serial No. 70,909
In Switzerland February 23, 1948
5 Claims. (Cl. 58—107)



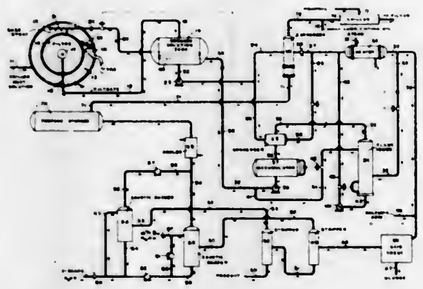
1. A balance wheel for time-pieces comprising a rim, at least two groups of each at least two screws screwed in the outer face of said rim for adjusting the moment of inertia of the balance wheel, and interengaging means on the screws of each of said groups for locking said screws in adjusted position by tightening against one another.

2,544,307

METHOD FOR REMOVING OIL FROM FILTER CAKES

Francis Leo Fourrier and John Opryshek, Jr., Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application November 20, 1948, Serial No. 61,152
5 Claims. (Cl. 196—18)



1. In a process in which a lubricating oil fraction is diluted with a normally gaseous light hydrocarbon, chilled, dewaxed to form a filter cake and a dewaxed solution, the dewaxed solution is subjected to contact with sulfuric acid, normally gaseous light hydrocarbon is removed from the acid treated oil, and the light hydrocarbon is contacted with an aqueous solution, the steps of separating a portion of said dewaxed solution prior to any contact thereof with sulfuric acid, distilling said separated portion of the dewaxed solution to recover a substantially dry light hydrocarbon therefrom, chilling said substantially dry light hydrocarbon, and washing said filter cake with said chilled dry light hydrocarbon.

2,544,308

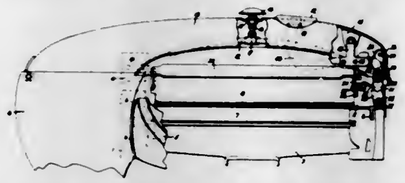
REFINING OF ORGANIC COMPOUNDS

Louis D. Friedman and William B. Hughes, Barnsdall, Okla., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application July 3, 1946, Serial No. 681,420
16 Claims. (Cl. 260—450)

1. The process of removing carbonyl impurities of the group consisting of aldehydes and ketones from organic compositions which are not essentially reactive with basic condensing agents, which comprises treating an organic composition containing carbonyl impurities in proportions outside the range of from about 1 mol to about 9 mols of aldehyde to 1 mol of ketone, with an added carbonyl compound of such a nature as to balance the proportion of aldehyde to ketone within the said range, condensing the carbonyls in the presence of a basic condensing agent into an aldehyde-ketone condensation product which is less volatile than the principal compound, and separating the principal compound from such condensation product.

2,544,309
RELEASE AND RESET MECHANISM FOR CLOTHES WRINGERS
Samuel I. Gabrielson, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application May 21, 1949, Serial No. 94,586
7 Claims. (Cl. 68—263)



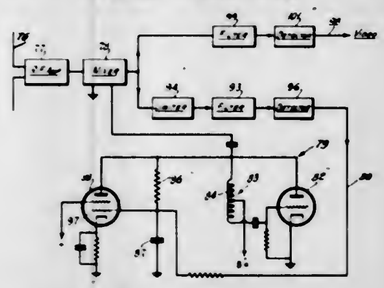
1. In a clothes wringer having a main frame including end stiles, means for journalling pressure rolls therein, a top frame member pivotally mounted on said main frame and extending thereacross above said rolls, and a spring confined between said top frame member and said roll journalling means to exert operating pressure on said rolls, the improvement in mechanisms for emergency release of roll pressure and for restoring the same, which comprises a linkage including a series of mutually interconnected links pivotally attached at their respective outer ends to said top frame member and to one of said stiles, said linkage when free to move to extended position permitting movement of said top frame member under reaction of said spring to release said rolls and being foldable to an unstable position providing a length effective to draw the top frame member into operating position to place said spring under strain; a latch rotatably carried on said one stile and engageable with said linkage to hold the same in folded position against the reaction of said spring; a lever system pivotally carried by said main frame and movable in either of two directions to rotate said latch into linkage releasing position; a reset lever pivotally carried by said top frame member and temporarily engageable with said linkage to return the same to folded, latched position; and handle means accessible externally of said top frame member remote from said one stile for manual operation of said lever.

2,544,310
FILE CLEANER
Arnold B. Gerhan, San Francisco, Calif.
Application May 9, 1944, Serial No. 534,779
1 Claim. (Cl. 15—236)



A file cleaner for metal files, comprising a rigid flat sheet of non-metallic non-malleable processed fibrous material, having its face surfaces of substantially greater width than the thickness of its edge surfaces, and having a file-cuttable cleaning edge of substantially greater length than thickness, said cleaning edge being structurally capable of having spaced fibrous portions entirely removed by the file teeth to leave fibrous cleaning portions between the file teeth, said removed portions being inherently capable of intermingling with and adhering to metal filings pushed from between the file teeth as said cleaning edge is cut by the file teeth.

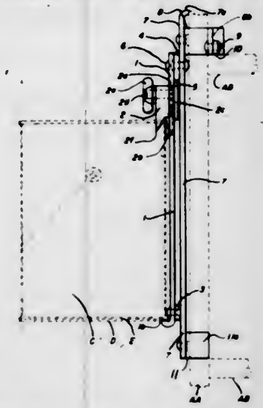
2,544,311
RECEIVING SYSTEM FOR ELECTRIC WAVES
Thomas L. Gottier, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 27, 1943, Serial No. 477,339. Divided and this application January 9, 1946, Serial No. 639,996
1 Claim. (Cl. 250—20)



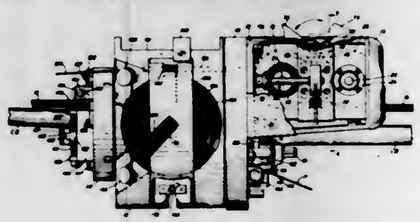
A receiving system for electric waves comprising means for selecting a desired signal modulated wave having randomly occurring frequency modulations, an oscillator, a mixer stage following the signal selecting means for deriving an intermediate frequency signal from the desired signal, a branched circuit, one branch of said branched circuit comprising a limiter to limit the successive peaks of a selected wave to a substantially uniform value, detuned filtering means coupled to the output of said limiter, said filtering means serving to produce amplitude variations in accordance with said randomly occurring modulations, a wave detector connected to the output of said filtering means, a reactance tube, means whereby the reactance tube is effective to vary the frequency of said oscillator, a connection from said wave detector to vary the effectiveness of the reactance tube, another branch of said branched circuit including a second detuned filtering means for passing the amplitude varying signals of the selected wave which have been freed from the effects of randomly occurring modulations, and a wave detector connected to the output of said second-named filtering means for producing signals capable of causing operation of a reproducing device.

2,544,312
PAINT PAIL CRADLE
Lloyd W. Hamilton, Elmira, N. Y.
Application September 16, 1947, Serial No. 774,397
2 Claims. (Cl. 248—210)

1. A cradle for mounting paint pails or the like on ladders, comprising a strip adapted to be positioned beside an upright of a ladder; means for mounting the strip thereon; a frame comprising a pair of spaced straps providing a slot and connected together at their upper and lower ends, said straps being bent upwardly at their lower ends to form hooks for engaging under the lower rim of a paint pail, a pivot swingably joining the upper end of said frame to said strip; a block slidable in said slot and having a lug adapted to enter the upper end of said pail and firmly hold said pail in cooperation with said hooks; means for binding said block in operative position in said slot, said block comprising a slide of greater width than the slot and having a T-shaped tongue engaging said slot and projecting below said slide to form therebelow an abutment; said lug comprising a wedge-shaped projection on the slide opposite said abutment; and means for binding said block in adjusted position in said slot.

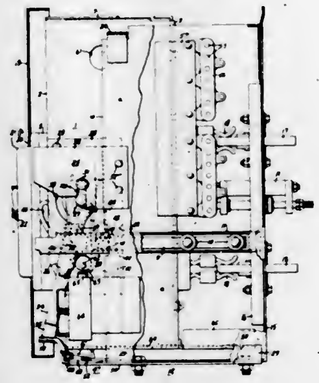


2,544,313
CABLE LASHING MACHINE
Joseph J. Harley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1948, Serial No. 58,570
11 Claims. (Cl. 175—376)



1. A machine for securing a cable to a supporting strand which comprises a chassis having front and rear spaced apart housings, a drum rotatably supported between said housings, said drum and said housings having aligned central bores for the reception of the cable and the supporting strand, said housings and said drum having openings therein communicating with said bores to permit the machine to be placed in operative position on the supporting strand, a pair of preformed coils of lashing wire carried by said drum, on opposite sides thereof, a pair of driving wheels, each mounted on an axis, in the front housing one ahead of the other and in space relation for engaging the same side of the supporting strand and a roller on the opposite side thereof, between said wheels, in engagement with said strand for forcing said strand into engagement with said wheels, said wheels having driving shafts operatively connected thereto, gears on said driving shafts, an idler gear in mesh with said gears, one of said driving shafts having a gear mounted on each end thereof, a pair of driven shafts operably connected to said driving shaft and to said drum to cause the rotation thereof as the driving wheels are operated by the forward movement of the machine to cause the lashing wire carried by said drum to be wrapped around the strand and cable, braking means comprising a cam having an increasing radius, in operative relation with the periphery of one of said driving wheels for preventing rearward movement of said machine and the consequent slacking off of the lashing wire when forward tension is released, and means comprising a trip lever on said machine, operatively connected to said braking means, for remote control thereof.

2,544,314
SWITCHGEAR DRAWOUT MECHANISM
Emil E. Hebbel, Jr., Milmont Park, Pa., assignor to General Electric Company, a corporation of New York
Application October 28, 1948, Serial No. 56,987
13 Claims. (Cl. 200—50)



1. A removable carriage insert and drawout mechanism having in combination an operating lever pivoted on the carriage, means including a fixed member forming a releasable hook fulcrum for the lever to move the carriage between the inserted and the drawout position wherein the hook fulcrum is automatically released, and carriage locking means including a relatively radially movable operating handle extension on the lever and a stop on the carriage for engaging the handle extension in the insert position of the lever to prevent movement of the lever from the insert position until the handle extension is retracted from engagement with the stop.

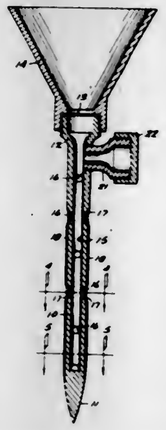
2,544,315
ADHESIVE BANDAGE
Henry John Heldmann, Kitchener, Ontario, Canada, assignor to Cress Laboratories, Kitchener, Ontario, Canada, a partnership
Application July 16, 1948, Serial No. 39,130
2 Claims. (Cl. 128—156)

2. A bandage having a substantially transparent plastic film strip, one surface of said strip

being of pressure sensitive adhesive character, and a sheet of metallic foil substantially completely overlying said surface and adhesively secured thereto, said sheet being readily removable to expose said adhesive surface and comprising a thin paper base and an aluminum coating on only one surface thereof, said aluminum coating being in contact with the adhesive surface of the strip.

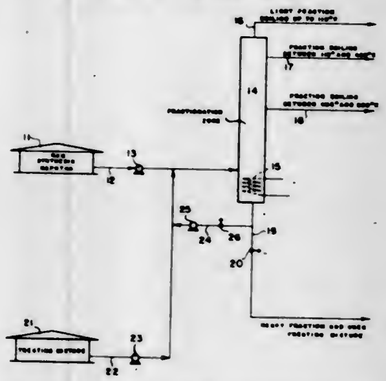


2,544,316
SEASONING POINT FOR MEATS
Victor W. Higgins, Essex, Conn.
Application March 29, 1948, Serial No. 17,763
1 Claim. (Cl. 99—256)



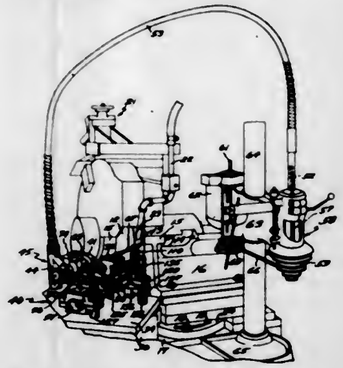
A seasoning point comprising a stem, an enlarged externally threaded portion on the upper end of said stem, a screen on the outer edge of said portion a funnel threadedly attached to the portion on the upper end of the stem, and said funnel adapted to retain said screen in position on the outer edge of said portion the opposite end of the stem being pointed so that the same can be easily extended into the meat, a central bore within the stem communicating with the funnel and for receiving the seasoning liquid, said stem having radially outwardly extending openings at different elevations thereon through which fluid may pass outwardly, said stem having peripheral grooves extending from the openings so that liquid will pass from the outer portions of the openings downwardly along the stem, said stems having recesses about the openings and said grooves extending vertically and connecting with the recesses vertically aligned with one another and a radially extending fitting removably connected with said stem below and adjacent to said threaded portion and having communication with the bore in said stem and a cap removably secured to said fitting, said fitting serving to receive seasoning liquid when the stem is in a substantially horizontal position within the meat and to serve as a handle portion for inserting the point into the meat.

2,544,317
TREATMENT OF SYNTHETIC NAPHTHA
Boyd N. Hill and Edward F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 28, 1947, Serial No. 788,632
8 Claims. (Cl. 260—450)



1. A method for removing oxygenated organic compounds including ketones, aldehydes and esters from a synthetic crude petroleum containing them in substantial quantities which comprises subjecting the synthetic crude petroleum containing the oxygenated compounds to distillation in the presence of a treating reagent comprising a hydrocarbon fraction boiling in the lubricating oil boiling range, an alkali metal sulfonate, and an alkali metal hydroxide and recovering a distillate fraction having a boiling point no greater than 600° F. which is substantially free of oxygenated organic compounds.

2,544,318
METHOD AND MEANS FOR CENTERLESS GRINDING WITHOUT PROPPING OF WORK BY ABRADING SURFACE
William Horberg, Bridgeport, Conn.
Application September 11, 1946, Serial No. 696,308
15 Claims. (Cl. 51—103)



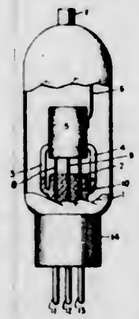
1. A centerless grinder, comprising a base, a slide movably mounted on said base, a grinding wheel supported rearwardly of said base and projecting above said slide, a pair of spaced apart work supporting rolls mounted vertically one above the other on the slide, a frame pivoted to said slide adjacent said work supporting rolls, a work driving roll mounted in the frame for movement toward and away from said work supporting rolls in an approximately horizontal direction for gripping a work piece therebetween at three circumferentially spaced points, drive means for driving said work driving roll, and means for yieldingly urging said work driving roll toward said work supporting rolls.

2,544,319
PENCIL SHARPENER
Harry Herewitz, Brooklyn, N. Y.
Application May 20, 1947, Serial No. 749,125
1 Claim. (Cl. 120—86)



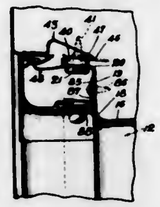
In a pencil sharpener of the class described, a casing having a horizontal tubular-like top portion communicating with a box-like bottom portion, said box-like bottom portion having a bottom wall, a back wall and side walls sloping downwards and outwards from the sides of said tubular-like top portion, a drawer slidably engaged in said box-like bottom portion and removable from its open end and having side walls extending downwards from the top portions of said sloping side walls, said drawer also having a front wall extending outwards of the side walls of said drawer and said front wall having inclined sides which align with the faces of said side walls of said box-like portion in order to close the spaces between the side walls of said drawer and said box-like bottom portion, and said drawer having a tongue-like portion projecting from its bottom and engaging in a complementary opening in said bottom wall in order to guide said drawer when moved outwards of said casing.

2,544,320
FABRICATED ARTICLE
Dallas T. Hurd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1946, Serial No. 705,284
4 Claims. (Cl. 313—355)



2. A fabricated article comprising a carbon electrode, a support therefor consisting of glass and a bonding layer including elemental boron whereby said electrode and support are integrally united.

2,544,321
REFRIGERATOR CABINET BREAKER STRIP
George K. Iwashita, Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application May 7, 1948, Serial No. 25,747
5 Claims. (Cl. 220—9)

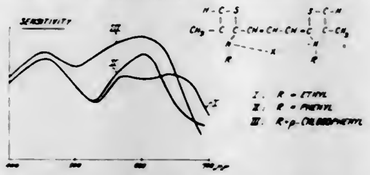


2. In a refrigerator cabinet construction, an outer shell having a door opening and an inwardly extending shell flange about said opening, a liner supported on said shell and forming a refrigeration compartment, said liner having a door opening bordered by a first outwardly extending liner flange, said first liner flange carrying a second forwardly extending liner flange spaced from said shell flange, a plurality of resilient spring securing members carried by the second liner flange, each of said spring members having an attaching body with an aperture for receiving a threaded member, and with a lug engaging the edge of the second liner flange to prevent rotation of the spring members, said spring members each having a spring finger projecting forwardly and resiliently engaging said shell flange, said fingers terminating in a partially cylindrical camming and retaining end formation, and a preformed breaker strip of resilient, flexible and nonhygroscopic material, the said strip being of substantially uniform cross section and having a smooth body extending from the first liner flange forwardly in the door opening, and curving outwardly about the ends of said spring fingers into engagement with said shell flange, the strip having a backwardly turned securing flange interposed between said fingers and the shell flange, said securing flange having a shoulder facing toward said spring fingers and engaging them inwardly of their ends, the fingers drawing the outermost part of said breaker strip into tight engagement with the shell flange, and the breaker strip tending to pivot due to the tension of said spring fingers to cause its inner edge to engage the first liner flange, the said breaker strip being installed by pushing its backwardly turned flange in between the fingers and the shell flange, the breaker strip also having on its backwardly turned flange an outwardly curved camming portion, the edge of which is located to engage between the fingers and the shell flange, to cam the spring fingers away from the shell as the breaker strip is installed.

2,544,322
SENSITIZED PHOTOGRAPHIC EMULSIONS
Jacob Josef Jennen, Dilsen, and Walter Michaelis, Brussels, Belgium, assignors, by mesne assignments, to Bela Gaspar, Beverly Hills, Calif.
Application May 17, 1940, Serial No. 335,854
In Great Britain April 24, 1939
15 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion com-

prising a sensitizing dye which is selected from the group of sensitizing thiazolium dyes which



have a phenyl radical directly linked to the quaternary nitrogen atom of the thiazolium ring.

2,544,323

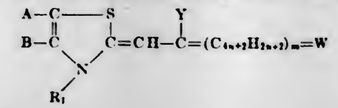
CYANINE DYES

Jacob Josef Jennen, Antwerp, Belgium, and Walter Michaelis, deceased, late of Los Angeles, Calif., by Hella Michaelis, sole heir, Los Angeles, Calif.; said Jacob Josef Jennen and Walter Michaelis, assignors, by mesne assignments, to Bela Gaspar, Beverly Hills, Calif.

No Drawing. Original application May 17, 1940, Serial No. 335,854. Divided and this application March 28, 1950, Serial No. 152,504. In Great Britain April 24, 1939

12 Claims. (Cl. 260—240.4)

1. A dyestuff corresponding with the formula



wherein

A and B stand for hydrogen, alkyl or the carbon atoms to complete an aromatic ring;

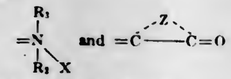
R_1 stands for an aryl radical;

n stands for an integer selected from the group consisting of 0 and 1;

m stands for an integer selected from the group consisting of 0, 1, 2 and 3;

Y stands for a member selected from the group consisting of hydrogen and alkyl;

W stands for a radical selected from the group consisting of



in which X stands for an anion;

R_2 stands for a hydrocarbon radical;

R_3 stands for a member selected from the group consisting of hydrocarbon radicals, an atom chain including three atoms which serve to complete a 5-membered hetero ring with at least one carbon atom of the chain of carbon atoms between the two nitrogen atoms, and an atom chain including two or four atoms which serve to complete a 6-membered hetero ring with at least one carbon atom of the chain of carbon atoms between the two nitrogen atoms; and

Z stands for the atoms which serve to complete a heterocyclic radical.

2,544,324

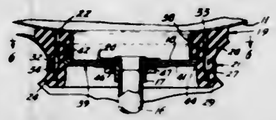
COFFEE MAKER SEAL

Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois

Application August 25, 1948, Serial No. 46,021

12 Claims. (Cl. 285—163)

1. In a coffeemaker of the class described, a lower vessel having a throat portion, an upper vessel, a gasket mounted to the upper vessel adapted to be seated in said throat portion to provide a seal between the vessels, said gasket comprising an annular body of resilient material open at its center and having a mounting portion adjacent to its top, means securing said



mounting portion to the upper vessel, said gasket body having a lower annular portion extending substantially beneath the lower end of said mounting portion, and spring means within the body extending substantially into said annular lower portion of the body and normally stressed to radially expand said lower portion.

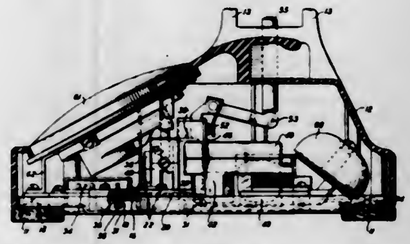
2,544,325

TELEPHONE SUBSTATION APPARATUS

Charles A. Johnson, Jr., Murray Hill, and Charles L. Krumreich, Paterson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 30, 1947, Serial No. 764,614

1 Claim. (Cl. 179—100)



A telephone set comprising a housing having a base, a wall, and having also a cradle portion for receiving a hand telephone, a mounting plate seated upon said base and having therein a plurality of channels in one face thereof and a recess in the other face thereof, said wall having an aperture therein opposite said plate, said plate having also therein a plurality of apertures extending from said channels into said recess, substation circuit instrumentalities mounted on the one face of said plate, terminals extending from each of said instrumentalities into preassigned ones of said apertures, a contact spring assembly mounted on said plate and including terminals extending into prescribed ones of said apertures, means for interconnecting said contact springs and instrumentalities to constitute a substation circuit, said means comprising bus bars in said channels and having portions extending into said apertures, each of said portions being connected to the respective terminal, an actuating member for the contact springs supported from said plate, reciprocable plunger means extending into said housing from said cradle and engaging said actuating member, a jack having terminals extending into certain of said apertures, bus bar means connecting said jack terminals to said circuit, a dial supported from said plate and extending into said aperture in said wall, and terminals extending from said dial and mating with said jack.

2,544,326

SURFACE FINISHING IRONING TOOL

William C. Jones, Oakland, Calif.

Application July 8, 1947, Serial No. 759,560

2 Claims. (Cl. 219—21)



1. A surface finishing tool having a headpiece comprising a metallic shell having a wall member provided with a flat ironing surface and having a recess therein of which said wall member forms a part, said recess being of longitudinal tapering form, an electric heater including a metallic sheath provided with extended flexible portions and inserted in said recess whereby said extended flexible portions will engage a tapered side of the recess so as to forcibly press the heater against said wall member, and a portion of said shell deformed to overlie a portion of said heater so as to preclude dislodgement of the latter from said recess.

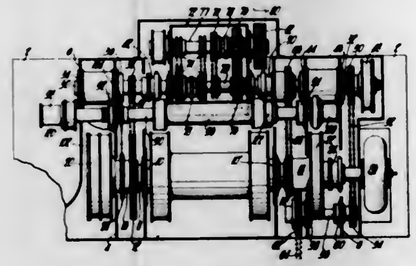
2,544,327

WELL-DRILLING DRAWWORKS

Charles J. Keim and August R. Maier, Oil City, Pa., assignors to Oil Well Supply Company, a corporation of New Jersey

Application May 24, 1946, Serial No. 671,958

11 Claims. (Cl. 74—217)



1. A drawworks comprising a drum shaft, a line shaft, a rotary shaft, a pair of spaced longitudinally aligned jackshafts, a multi-speed transmission disposed between said jackshafts, said transmission having a driven shaft, said driven shaft being disposed in alignment with said jackshafts, means for connecting the driven shaft of said transmission to said jackshafts, means whereby said jackshafts may selectively drive said drum shaft, means on one of said jackshafts for driving said rotary shaft and means whereby the other of said jackshafts may drive said line shaft.

2,544,328

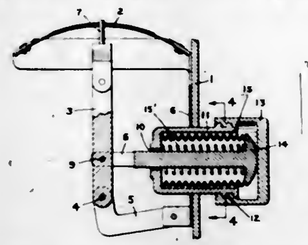
HERMETICALLY SEALED ELECTRIC SWITCH

Herbert I. Keroes, Irvington, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey

Application March 30, 1948, Serial No. 17,873

1 Claim. (Cl. 74—96)

In a hermetically sealed potentiometer or electric switch structure having an electric current regulating arm, means for pivotally supporting said arm, a housing, an operating member connected to said arm and extending into said housing, an elastic bellows in said housing and having one end hermetically sealed to said housing and the other end hermetically sealed to said operating member, and a closure cap threaded on said housing and engaging said operating member for



moving said operating member to move said arm and collapse or permit expansion of said bellows.

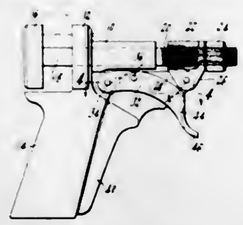
2,544,329

TRIGGER RELEASE TOGGLE CLAMP

James A. Kirk, East Walpole, Mass., assignor to James A. Kirk and George E. Young, copartners, doing business as Kirk & Young Machine Co., East Walpole, Mass.

Application February 21, 1947, Serial No. 730,133

3 Claims. (Cl. 81—18)



1. A toggle clamp comprising a member having a bore therethrough, a rod extending slidably and rotatably through said bore, clamp jaws on said member and rod respectively, a sleeve screw-threaded on a projecting portion of said rod remote from said jaws, a toggle joint connecting said member and sleeve, said joint consisting of toggle links pivoted respectively to said member and said sleeve and pivoted to each other, and an extension on one of said links beyond the common pivot serving as an operating lever.

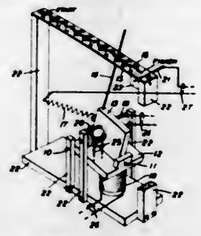
2,544,330

SELECTIVE SIGNALING DEVICE

Walter Koenig, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 4, 1947, Serial No. 783,897

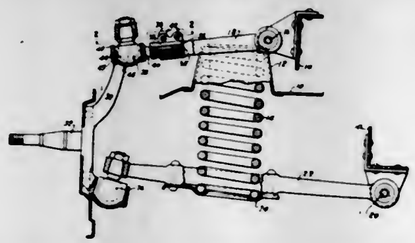
11 Claims. (Cl. 177—353)



1. A relay comprising an armature free to move about two axes, a guide adapted to confine the

movement of said armature to a predetermined path and adapted to prevent further movement of said armature if its movement tends to deviate from said predetermined path, means including two polarized electromagnets adapted to move the armature in either direction about its first axis, second magnetic means for actuating the armature about its second axis thereby permitting the armature to traverse the guide and completely respond in response to a certain combination of movements applied to the armature, said combination of movements being determined by the design of the guide, and means for restoring the armature to its starting position.

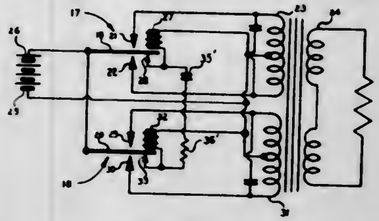
2,544,331
VEHICLE WHEEL SUSPENSION
Axel W. Kegstrom, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1946, Serial No. 702,843
1 Claim. (Cl. 280—96.2)



An adjustable mounting for a dirigible wheel of a vehicle which comprises, a pair of vertically spaced, laterally extending arms each pivotally mounted at one end thereof on the frame, a steering knuckle, a ball joint at the distal end of the lower arm comprising a first ball-ended stud, ball end down and substantially vertically positioned between the arm and the lower end of the knuckle, a second ball stud vertically depending, ball-end down, from the top of the steering knuckle, and means at the distal end of the upper arm connected to said second depending ball stud, said means comprising a socket member having a threaded shank end, an externally threaded sleeve having an axially eccentric threaded bore to receive the threaded shank, and a threaded bore in the said distal end of the upper arm to receive the threaded sleeve, the inner and outer threads of sleeve being of different pitch to permit fine camber adjustment, and means for clamping the threaded arm around the sleeve to lock the parts in adjusted relation.

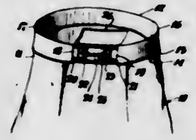
2,544,332
VIBRATOR INTERRUPTER SYSTEM
Robert H. Lee, Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application August 16, 1946, Serial No. 690,993
3 Claims. (Cl. 318—37)

1. In combination with at least a first vibrating interrupter and a second vibrating interrupter, said first and second vibrating interrupters each including contact means, a vibrating contact member cooperating therewith and a driving magnet having a coil intermittently energized from a direct current source through the vibrating contact member, said vibrating contact members being mechanically independent, of means for operating the vibrating contact members of said first and second vibrating interrupters at substantially the same frequency comprising connecting means for connecting a terminal of the driving magnet of the first vibrating interrupter



with a contact cooperating with the vibrating contact member of said second vibrating interrupter and a terminal of the driving magnet of said second vibrating interrupter with a contact cooperating with the vibrating contact member of said first vibrating interrupter, said connecting means including a condenser.

2,544,333
ADJUSTABLE WAISTBAND
Concetta E. M. Lembo, Brooklyn, N. Y.
Application February 14, 1948, Serial No. 8,432
3 Claims. (Cl. 2—221)

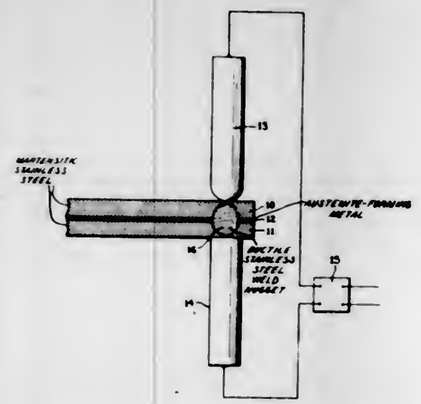


1. Wearing apparel comprising a tubular waist hem, an elastic member fixed at one of its ends to the front portion and interior of said hem, another elastic member fixed at one of its ends to another portion of the interior of said hem and adjacent the fixed end of the other member, the free ends of the respective members extending toward the rear of the hem and being disposed in opposed relation to each other, an adjustable buckle member for each of the free ends of the elastic members, and an interconnecting strap disposed intermediate the buckle members containing a plurality of eyelets in alignment with each other for adjustable connection with the buckle members whereby the front portion of the hem is kept in a taut and smooth appearing condition.

2,544,334
WELD ROD, FLUX, AND METHOD
George Edwin Linnert, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application November 28, 1944, Serial No. 565,573
7 Claims. (Cl. 148—26)

2. In a method of producing a substantially water-free welding flux composition containing at least one hydrous ingredient of a first group consisting of mineral metallic oxides, silicates, chromates and fluorides containing water of crystallization and constitution, and a hydrous carbonate as a second group, the art of which includes independently heating said first group of hydrous mineral metallic ingredient at a temperature of about 1100° F. to remove substantially all water of constitution from the same; adding said hydrous carbonate; and heating the complete mixture at a temperature of about 700° F. to dehydrate the flux to substantial completeness without decomposing the carbonate.

2,544,335
WELDING METHOD AND PRODUCT
George Edwin Linnert, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
Application February 25, 1948, Serial No. 10,637
5 Claims. (Cl. 219—10)



1. A method of welding 0.08% to 1.20% carbon, 11.0% to 18% chromium martensitic stainless steel sheet, strip, or the like, the art which includes inserting a nickel-bearing austenite-forming shim between superimposed portions of said martensitic steel to introduce substantial quantities of austenite in the intended weld, and passing an electric welding current through said shim and steel and across the contacting surfaces thereof to produce a welded joint.

2,544,336
WELD COMPOSITION
George E. Linnert, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application May 2, 1949, Serial No. 91,013
3 Claims. (Cl. 75—128)

1. In a welded article or product, an austenitic chromium-nickel stainless steel weld deposit of low carbon content which is substantially free of sigma phase and carbide precipitation and containing, in approximate percentages, carbon up to 0.03%, 16% to 21% chromium, 10% to 20.5% nickel, 1.75% to 4% molybdenum, sulphur and phosphorus each not exceeding 0.02%, and the remainder substantially all iron, said chromium, molybdenum and nickel further being in accord with

$$\frac{\text{Per cent Cr}+2\times\text{Per cent Mo}}{\text{Per cent Ni}}=\text{a numerical value not exceeding about 1.50}$$

2,544,337
TICKET HOLDER
Eugene M. Macdonald, University Heights, Ohio, assignor to The MacDonald Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1947, Serial No. 736,464
5 Claims. (Cl. 206—40.5)



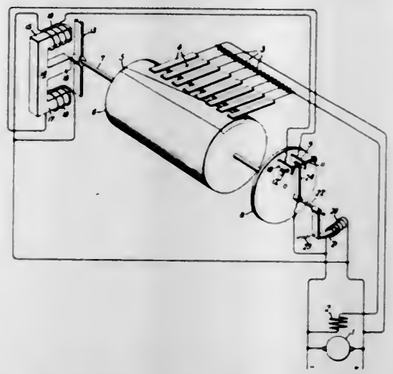
3. In a ticket holder of the character described, the combination of a box-like casing having an opening on one side thereof, pad holding means hingedly secured to one edge of said opening whereby a pad of tickets is urged into proximity to the opposite edge of said opening, parallel spaced tracks of circular cross-section mounted on said casing in spaced relationship thereto, one of said tracks being of smaller cross-sectional area than the other, and plurality of notching fingers having spaced openings therein slidably engaging said tracks, the distance between said openings being other than the distance between said tracks whereby to laterally tension and bow said track of smaller cross-sectional area.

2,544,338
METHOD OF WEAVING PILE CARPETS AND RESULTANT PRODUCT
Laurence Hugh Mackay and John Mackay, Durham, England
Application June 8, 1948, Serial No. 31,706
In Great Britain November 3, 1947
17 Claims. (Cl. 139—406)



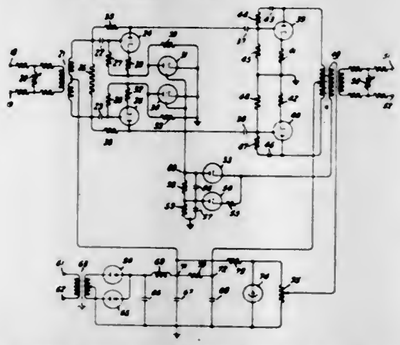
1. In the method of weaving a patterned pile carpet in which the pile is produced by drawing threads of pile-forming warp yarn through the interstices formed between adjacent pairs of chain warp threads and adjacent weft threads constituting the upper surface of the carpet foundation, which pile threads are subsequently cut to form the pile, the steps which comprise forming the pattern by providing the upper surface of the carpet foundation with normal pile areas, pile-bare areas and denser than normal pile areas, and positioning the denser than normal pile areas along at least part of the boundary of a pile-bare area and between the pile-bare area and a normal pile area, said denser than normal pile area being formed by drawing a thicker mass of threads of pile-forming warp yarn through each interstice of said denser pile area than is drawn through each interstice of a normal pile area.

2,544,339
ELECTRICAL REGULATOR
Charles R. Mason, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1946, Serial No. 672,990
10 Claims. (Cl. 201—48)



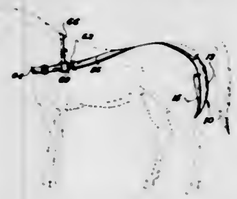
1. An electrical condition responsive regulator comprising an electrical circuit, a multi-section resistor connected in said circuit, means for shorting selected ones of said resistor sections, a first electromagnetic means responsive to said condition for operating said shorting means, a second electromagnetic means for operating said shorting means, and electrical circuit switching means actuated by said first electromagnetic means for energizing said second electromagnetic means to assist said first electromagnetic means in operating said shorting means, said switching means deenergizing said second electromagnetic means again when said regulator reaches a position corresponding to a predetermined level of said electrical condition.

2,544,340
VOLUME CONTROLLING AMPLIFIER
Donald E. Maxwell, New Canaan, Conn., assignor to General Electric Company, a corporation of New York
Application May 23, 1946, Serial No. 671,678
14 Claims. (Cl. 179—171)



13. A gain-controlled wave amplifying system comprising, in combination, a controlled amplifying device having control grid and anode circuits, means for impressing signal frequency waves to be amplified on said grid circuit, a first impedance common to said circuits providing current degenerative feedback at signal frequencies, a second impedance connected between the anode and control grid of said device, a control discharge device having a control electrode and having an anode-cathode path in shunt to said first impedance, said devices and impedances being adjusted to provide a predetermined signal gain through said first device when said second device is conducting and substantially zero gain when said second device is cut off, and a gain control circuit responsive to signal voltages exceeding a predetermined level supplied from the anode circuit of said first device, said gain control circuit comprising a signal detecting network which provides an increasing unidirectional voltage for increasing signal voltages above said level, said network having a very short effective time constant as compared to the period of a signal frequency in the increasing direction and a very long effective time constant in the decreasing direction, and means for impressing said unidirectional voltage on said control electrode in a polarity to reduce the conductivity of said second device.

2,544,341
COLLECTING RECEPTACLE FOR URINE
William F. McGraw, Detroit, Mich.
Application June 21, 1946, Serial No. 678,422
6 Claims. (Cl. 119—95)

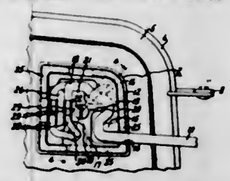


1. In a device for collecting the urine of mares, a receptacle comprising front and rear wall sections of freely collapsible sheet material secured to each other at lateral edges thereof and tapering downwardly to terminate in a spout-like outlet, the upper edge of said front wall section terminating below the top of said rear wall section defining an open inlet therebetween, said edge extending forward in an upward and slanting path so as to substantially encompass the vulva of a mare, and a relatively rigid metallic screen substantially covering said open inlet and secured peripherally to said edge and said rear wall section to support said open inlet against collapse and maintain the vulva-encompassing contours thereof, said screen having a shape and surface curvature corresponding with the contour of said edge.

2,544,342
CASTOR OIL ORTHO SILICATE GELS
Harry F. Miller and Ralph G. Flowers, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application April 19, 1946, Serial No. 663,610
7 Claims. (Cl. 260—398)

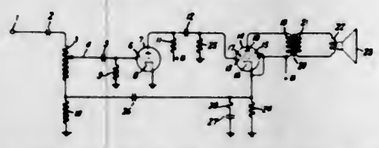
1. The method of preparing gel-like compositions which comprises effecting reaction at temperatures within the range of from about 125° C. to 175° C. between ingredients comprising a lower alkyl ester of ortho silicic acid and an oil selected from the class consisting of castor oil and hydrogenated castor oil in the ratio of from about one mol of said ester to from about 1.5 to 2.5 mols of said oil while removing alcohol formed during said reaction.

2,544,343
CONNECTOR BLOCK WITH STRAIN RELIEF
Homer H. Miller, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 11, 1950, Serial No. 143,727
1 Claim. (Cl. 173—322)



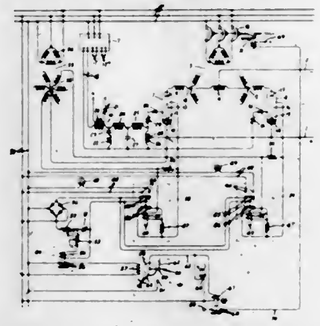
An electrical appliance including a lower shell and a plurality of supports under said shell, one of said supports comprising a body member including peripheral side walls which are continuous except for a conductor opening, partitions within the interior of said body member forming a tortuous passage leading away from said conductor opening into the interior of said body member, a pair of conductors leading from the exterior of said appliance into said passage, a second pair of conductors leading from within said appliance into said body member, an insulated interconnection area within said body member having an insulating barrier for providing two respectively insulated spaces therein, a connection between one conductor of one pair and one conductor of the other pair in each of said spaces, a hollow hub portion in said body, a fastening device within said hollow hub portion for fastening said body member to said shell, a cover plate for said support held in assembled relationship with said body portion by said fastening device to substantially completely close said body member, depressions on the surface of said body member adjacent to said shell and protrusions extending from the surface of said shell into said depressions to prevent rotation of said body member about said fastening device.

2,544,344
AUDIO AMPLIFIER CIRCUIT WITH FEEDBACK
Carroll R. Miner, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 30, 1946, Serial No. 700,231
4 Claims. (Cl. 179—171)



2. In combination, a pair of electron discharge devices connected in cascade, each of said devices comprising an anode, a cathode, and a control electrode, a first resistance having a grounded terminal, means for impressing audio potentials to be amplified across said resistance, said resistance having a variable tap connected to the control electrode of the first of said devices, a second resistance connected between the cathode of the second of said devices and ground, and means to reduce the degenerative effect of said second resistance comprising a third resistance and a capacitance connected in series across said second resistance, said third resistance being substantially smaller in value than said second resistance, and means coupling the cathode of said second device to an intermediate point on said first resistance.

2,544,345
MISFIRE INDICATION CIRCUITS FOR RECTIFIERS
Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 8, 1947, Serial No. 778,593
9 Claims. (Cl. 321—12)

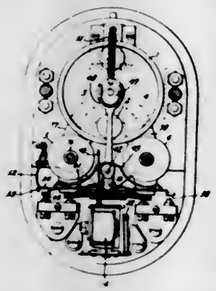


4. A protective system for an electric valve converter of the type having a plurality of make-alive valves wherein each valve is provided with an anode, a cathode, an auxiliary electrode circuit and a make-alive electrode for the cathode which is arranged to be supplied with periodic current impulses for establishing a cathode spot on the cathode comprising, a plurality of electric condition responsive elements arranged one in each auxiliary electrode circuit, a plurality of substantially instantaneously operating relays connected one with each of said plurality of electric condition responsive elements and operative to a predetermined position for each misfire of its associated auxiliary electrode circuit, a second relay connected to be operated in accordance with the operation of any one of said first-mentioned relays to a predetermined circuit controlling position upon operation of any of said first relays to said predetermined position, means for maintaining said second relay in its predetermined circuit controlling position for a period of time greater than the duration of a single misfire of any one of the electric valves, a time element relay connected to be operated to a circuit controlling position by said second relay only after a predetermined number of misfires of the electric valve means, and electroresponsive means operated by said time element relay when it is in its said circuit controlling position.

2,544,346
TIMING DEVICE
Frederick J. Mulhern, Troy, N. Y.
Application October 17, 1946, Serial No. 703,901
7 Claims. (Cl. 161—1)

1. A time device comprising a balance wheel, a first armature mounted on said balance wheel,

a timer wheel, a second armature mounted for movement from one position to another, a driving connection between said second armature and said timer wheel for turning said timer wheel step by step upon movement of said second armature between said positions, electromagnetic means cooperating with said armatures so as to move each of said armatures between



two positions, switching means operated by said balance wheel as it oscillates for controlling the energization of said electromagnetic means to produce oscillation of said balance wheel and step by step movement of said timer wheel, and switching means actuated by said timer wheel when said timer wheel has been turned to a predetermined angular position.

2,544,347

GASKET FOR INSERTION BETWEEN JOINT FACES WHICH ARE SUBJECT TO PRESSURE

James Bertram Nicholson, Craigmillar, Slocksfield, England, assignor to The Corrugated Packing and Sheet Metal Company Limited, Gateshead, England

Application April 26, 1948, Serial No. 23,176
In Great Britain March 20, 1947
2 Claims. (Cl. 288—21)



1. A gasket for insertion between joint faces, which is made of metal sheet having about the various openings thickened marginal portions in which are formed undercut grooves of substantial T-slot cross section which leave overhanging ridges on each side of a central web the outer faces of which ridges make a resilient surface contact with, and without scoring, the faces of the members forming the joint, so that the resulting joint is fluid tight without there being any possibility of its blowing.

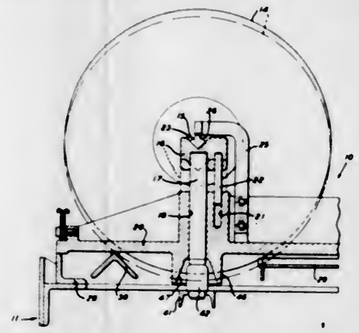
2,544,348

REEL SUPPORT

Axel C. Nystrom, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 3, 1947, Serial No. 752,203
6 Claims. (Cl. 242—139)

1. A transportable support for a reel of material having a spindle extending through its hub, the support comprising a pallet for use in transporting the reel from one position to another, the pallet having spaced apertures therein and spaced portions to support the reel while being transported, rods extending through the apertures and movable therein, notched members disposed on the upper ends of the rods to receive the



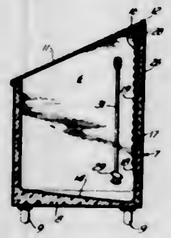
ends of the spindle, a base to support the pallet, and projections carried by the base to be engaged by the rods when the pallet is positioned on the base to cause the notched members to engage their ends of the spindle to hold the reel free of the said pallet portions for rotation on the spindle by the pulling of the material from the reel.

2,544,349

HEAT EXCHANGE APPARATUS

Wesley Andrew Olsen, Oakland, Calif., assignor to Sanitary Metal Products Company, Oakland, Calif., a copartnership

Application October 25, 1946, Serial No. 705,650
1 Claim. (Cl. 257—178)



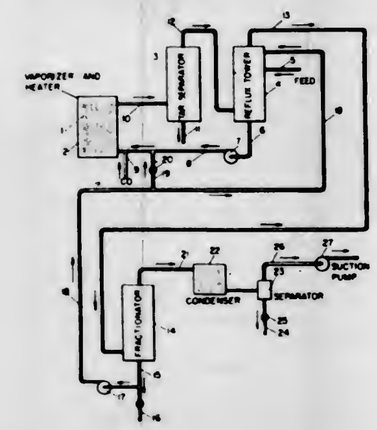
Apparatus having joined side walls and a substantially rectangular bottom forming a tank in which heat transfer may occur between liquid in said tank and a temperature-influencing substance disposed in proximity to said liquid, comprising a sheet member overlying a surface of the side wall of the tank exposed to said liquid in the tank, said sheet member having embossed areas of the body thereof disposed in substantially horizontal relatively spaced parallel relation and spaced relative to the adjacent side wall of the tank to define a passage through which said temperature-influencing substance may flow, means connecting adjacent embossed areas to form a continuous tortuous conduit, said embossed areas of the sheet member also providing riffles comprising alternate protrusions and depressions extending in a series vertically of the sheet member, said sheet member and the adjacent side wall of the tank being bonded together in the areas of said depressions to outline said conduit, and means for directing a flow of said liquid onto the upper portion of said sheet member to flow gravitationally across said riffles and at substantially right angles thereto into the tank and in proximity to said temperature-influencing substance, said means including an open-bottomed trough extending substantially the entire horizontal length of one of said embossed areas whereby said liquid will be uniformly distributed across said area.

2,544,350

CATALYTIC CONVERSION OF HYDROCARBONS

Leonard Eugene Olson, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application June 26, 1947, Serial No. 757,311
4 Claims. (Cl. 196—54)



1. In a process for converting heavier hydrocarbons to lighter hydrocarbons wherein the hydrocarbon charge oil to be converted is heated to a cracking temperature and cracked in a conversion zone and vaporized effluent from the conversion zone passed through a tar separating zone, wherein tar is separated from the effluent, remaining vapors being passed to a refluxing zone, the charge oil introduced into the refluxing zone into contact with the vapors therein, whereby the vapors are partially condensed, and liquid hydrocarbons from the refluxing zone, including charge oil and condensed vapors, are passed to the conversion zone, the steps of charging aluminum chloride to the refluxing zone and passing it therefrom to the conversion zone together with the charge oil and reflux condensate, mixing carbon monoxide gas with the mixture of charge oil and reflux condensate prior to the entrance of the mixture to the conversion zone and vaporizing and heating the resultant mixture in the conversion zone to a temperature of 500 to 700° F. for a period of time sufficient to effect the desired conversion, the carbon monoxide being present in the mixture in an amount such that the aluminum chloride is substantially completely vaporized under the temperature and pressure conditions in the conversion zone and in the tar separating zone.

2,544,351

PROCESS FOR PREPARING THERMOSETTING UREA-FORMALDEHYDE COMPOSITIONS

Charles H. Parker, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 8, 1946, Serial No. 708,807
7 Claims. (Cl. 260—70)

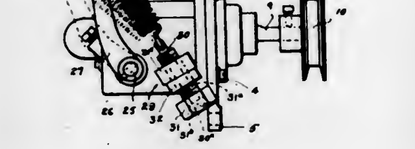
1. A process for preparing butylated urea-formaldehyde resins comprising dispersing a substantially dry dimethylol urea in primary butyl alcohol and water, said alcohol being present in an amount varying between about 0.10 and 1 mol per mol of active dimethylol urea, agitating said dispersion while heating at reflux until a homogeneous solution is obtained, thereafter adding primary butyl alcohol to the homogeneous solution in an amount sufficient to bring the total content of primary butyl alcohol to 1 mol per mol of active dimethylol urea, effecting exothermic reaction by the addition of an acid catalyst thereto and permitting the resulting exothermic reaction to proceed to completion, then adding sufficient primary butyl alcohol to bring the total content to 68.4–90% of the theoretical quantity required to produce the full diether and refluxing for 1–4 hours and dehydrating the resin solution.

2,544,352

GOVERNOR WITH ADJUSTING MECHANISM

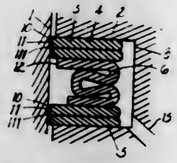
Ross W. Phelps, Orillia, Ontario, and Lewis T. Rutledge, Kingston, Ontario, Canada; said Rutledge assignor to said Phelps

Application February 8, 1945, Serial No. 576,890
1 Claim. (Cl. 264—3)



A governor comprising in combination, a casing, a governor shaft connectable to an engine, a swingable operating lever pivotally mounted on said casing and means for swingably moving said lever on its pivotal mounting responsive to the speed of rotation of said shaft, a helical tension spring having its one end connected to said lever adjacent the free end of the latter, and an anchorage assembly extending from said casing adjacent the pivotal mounting of said lever to mount the other end of said spring and comprising a bracket extending from said casing, an adjusting screw threaded in said bracket and having an axial bore, a spring holding pin slidably mounted in said bore and including means for connecting the same to the other end of said spring, means at the other end of said holding pin for retaining the same against axial movement within said screw in the direction of said spring, and a locking nut on said screw for retaining the latter fixed in a position of adjustment.

2,544,353
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application December 20, 1948, Serial No. 66,180
2 Claims. (Cl. 309—45)



1. A piston ring assembly comprising spaced expansible side ring members and a spacer member intermediate said side ring members, each side ring member comprising a relatively thin ribbon-like strip of metal coiled edgewise into two substantially complete superimposed convolutions the ends of the coiled strip being circumferentially spaced and a central portion of the strip being disposed circumferentially between said ends, said central portion and the adjoining portions thereto disposed in overlapping relation to the ends of the side member having a substantially uniform vertical rise throughout the length of said central and adjoining portions prior to installation of the ring member into a ring groove, said strip of metal being relatively thin to facilitate ready flexure of the same at the ends of said central portion adjacent the ends of the side member when the side member is installed in a ring groove, the outer edge of the coiled strip being chrome plated and curved outwardly to provide a hair line contact with a cylinder wall, the outwardly curved surfaces of the superimposed convolutions providing an oil pocket therebetween.

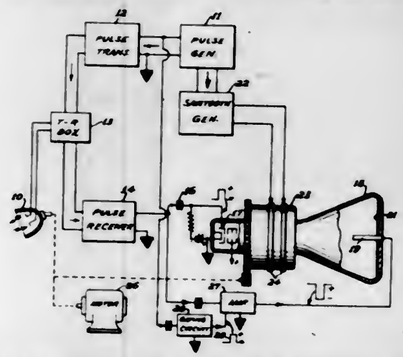
2,544,354
WASHCLOTH
Jacob F. Reiter, La Porte, Ind.
Application September 30, 1947, Serial No. 776,977
3 Claims. (Cl. 15—222)



1. A wash cloth comprising a narrow elongated strip of fabric of a length exceeding the chest width of the human body comparatively small portions at each end of said strip being folded back upon said strip, an apertured reinforcing member interposed between said strip and said folded end portion, means securing said reinforcing member to said strip and folded portion in face engagement therewith, said strip and folded end portion having openings registering with the aperture of said reinforcing member.

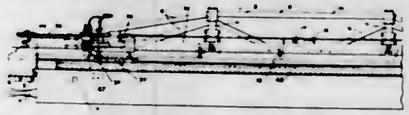
2,544,355
OBSTACLE-DETECTOR INDICATOR SYSTEM
Martin R. Richmond, Cambridge, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1946, Serial No. 687,431
2 Claims. (Cl. 343—11)

1. An obstacle detection system for an aircraft, said system comprising means for producing periodic pulses of radio energy, said pulses being of short duration compared with the period between successive pulses, antenna means for directively radiating said pulses ahead of said aircraft, means for causing the radiation pattern of said antenna to rotate about the longitudinal axis of said aircraft to scan an area ahead of said aircraft, means for receiving said pulses after reflection from an obstacle, a cathode ray tube having a screen and including means for producing an electron beam and directing it against



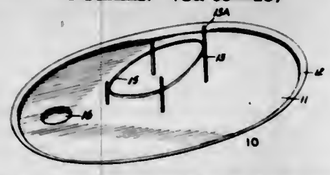
said screen, means for producing a deflecting field for deflecting said beam radially in synchronism with the radiation of said pulses, means for rotating said field in synchronism with the rotation of said antenna, means for causing said received pulses to modulate said beam to produce an indication in the form of a circle on said screen that is representative of said obstacle when directly ahead of said aircraft, and means for causing said circle to increase in diameter in response to said received signal exceeding a predetermined strength or amplitude.

2,544,356
AIR LOCK WORK CLAMP
Charles L. Sands, Newton, N. J., assignor of one-half to Clarence R. Tucker, East Orange, N. J.
Application March 26, 1947, Serial No. 737,237
4 Claims. (Cl. 29—288)



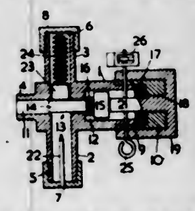
2. In a work clamp structure, a work supporting table, a clamping head pivotally connected at one end to said table, said clamping head including a bracing super structure and a plurality of spaced columns, a work clamp, guide structures on said work clamp surrounding each of said spaced columns, pistons on said columns, said guide structures forming cylinders for receiving said pistons, yieldable means connecting said work clamp for movement with said clamping head upon pivotal movement of the head and for reciprocatory movement into or out of work clamping position relative to the clamping head, means for delivering pressure fluid into the spaces between said pistons and said work clamp to move the work clamp into work clamping position, a normally closed valve carried by said clamping head for controlling the delivery of pressure fluid to said spaces, and a valve actuating member carried by said table for opening said valve upon pivotal movement of said clamping head into work engaging position, said pistons provided with pressure fluid relief ports therein, valves normally closing said ports and provided with valve stems, and abutments carried by said guide structure for engagement with said valve stems to open said pressure relief valves upon pivotal movement of the clamping head out of work engaging position.

2,544,357
PLATTER
Angelo C. Scavullo, Forest Hills, N. Y., assignor to Victor K. Scavullo, Frank Scavullo, Charles Scavullo, Marie Scavullo Saegert, and Margaret Scavullo Scott, all of Forest Hills, N. Y.
Application March 29, 1946, Serial No. 658,273
4 Claims. (Cl. 65—15)



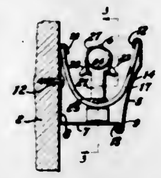
1. A carving dish comprising a platter, a plurality of upstanding spikes individually made fast thereto, and forming a geometrical configuration coaxial with the platter, the lengths of the spikes decreasing from one end of the platter towards the other, and a bracing and supporting band made fast to these spikes, at the same distances below the free tips thereof, whereby the plane of the band is inclined to the platter.

2,544,358
FUSE
Alfred James Schermuly, Parkgate, Newdigate, England
Application December 22, 1948, Serial No. 66,647
In Great Britain January 2, 1948
5 Claims. (Cl. 102—86)



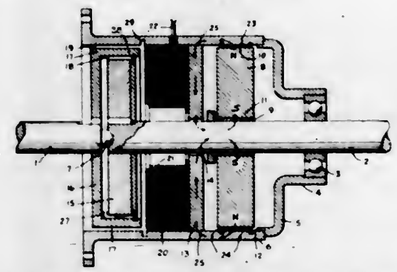
1. A fuze for pyrotechnic devices to be dropped from aircraft, comprising a cruciform member having a hollow body and two aligned hollow arms, the passage through said hollow arms intersecting the passage through the body, a sliding member in said hollow body, a cap having a central peg which is adapted to hold the said sliding member in a position to obstruct the passage through said arms in opposition to a spring, a cup-like member having a threaded hole in its base, said cup-like member being screwed on to said hollow body and said peg being screwed into the hole in the cup-like member, a firing pin within one of said hollow arms, a spring loaded detonator in the other of said hollow arms, and vanes on said cap which during the fall of the device unscrew said peg from the cup-like member to release the sliding member and thereby allow unobstructed movement of the detonator on to the firing pin.

2,544,359
MOLDING FOR INDIRECT LIGHTING
Alfred T. Schmidt, North Hollywood, Calif.
Application July 10, 1948, Serial No. 37,981
3 Claims. (Cl. 240—6)



1. A molding for indirect lighting, including two members, one member provided with two elongated sides in substantially right angular relationship, one side provided with a groove, and the other side provided with a depending flange; the other member of said molding comprising a front piece formed with upper and lower elongated grooves, the elongated flange of the first member adapted to be received in the lower elongated groove of the front piece, and a spring urged tie engaging a side of the first member and received within the elongated groove thereof and the top elongated groove of the front piece.

2,544,360
CLUTCH AND BRAKE MECHANISM
Marvin L. Schmidt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 14, 1949, Serial No. 127,087
8 Claims. (Cl. 192—12)



1. A clutch-brake having a rotatable member, a stationary frame member, a permanent magnet mounted on one of said members forming a first air gap with the other of said members, flux conducting means on one of said members forming a second air gap with the other of said members providing a magnetic circuit for said permanent magnet, a flux conducting member mounted on said rotatable member, a second rotatable member having another flux conducting member mounted thereon forming a third air gap with said first-mentioned flux conducting member and a fourth air gap with said frame member, and an exciting coil adapted to produce flux traversing said flux conducting means and said third air gap, said first air gap having a magnetic fluid therein adapted to be solidified by the flux produced by said permanent magnet when said exciting coil is not energized, whereby braking torque is applied to said first-mentioned rotatable member, said third air gap having a magnetic fluid therein adapted to be solidified by the flux produced by said coil to a driving connection between said

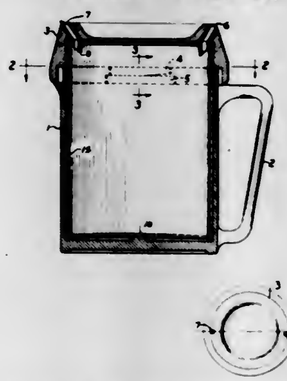
rotatable members when said exciting coil is energized, said exciting coil being arranged to produce flux traversing said flux conducting means in the proper direction to render said permanent magnet ineffective when said coil is energized so that no permanent magnet flux traverses said first air gap whereby said magnetic fluid in said first air gap returns to the fluid state releasing said braking torque.

2,544,361

HOLDER FOR SEALED LIQUID CONTAINER, WITH PUNCTURING AND DISPENSING MEANS FOR SAID CONTAINER

George C. Schmitkons, Detroit, Mich.

Application March 26, 1948, Serial No. 17,271
6 Claims. (Cl. 222—86)



1. A device for the dispensing of material from a container formed of a puncturable material comprising a body having an open end and a handle on one side thereof, the open end of the body having a series of peripherally spaced flanges, a cover therefor having a similar series of flanges so arranged that, in placing the cap on the body, the flanges of the cap pass between the flanges of the body to a position beneath the body flanges whereby, in relative rotation of the cap and body, the cap is held in tight contact with the end of the body, the cap having a pair of conduits each open at one end to atmosphere, the opposite end of each conduit being so shaped that, in forcing the cap onto the body, the said conduits puncture the end of the container and close the apertures formed therein, the conduit adjacent the handle being at one side of a diametrical line passing through the other conduit the arrangement providing that, when the container is tilted to pouring position, air may flow into the container through one of the conduits as the contents are discharged through the other conduit.

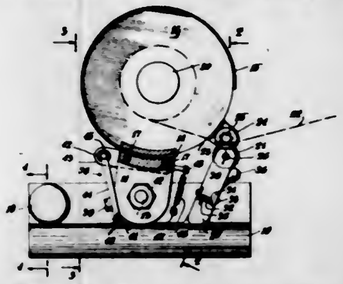
2,544,362

INKING DEVICE

Clarence F. Sehrer, New York, N. Y.

Application November 15, 1949, Serial No. 127,377
7 Claims. (Cl. 197—171)

1. A ribbon inking device comprising an ink reservoir, clamping means for detachably mounting the reservoir on a ribbon spool cup, a channel adapted to receive a wick, extending from said reservoir, a knurled ribbon-contacting member rotatably mounted at the end of said channel remote to the reservoir, means for maintaining the knurled ribbon-contacting member in light frictional contact with the ribbon and a wick disposed in said ink reservoir, extending outward



through the wick channel and into light frictional contact with the knurled ribbon-contacting member.

2,544,363

CARBON BLACK PIGMENT DISPERSION

Otto Siemons, Keyport, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 19, 1947, Serial No. 762,201
7 Claims. (Cl. 106—193)

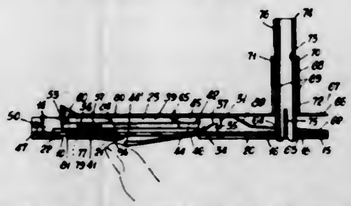
1. The process of dispersing carbon black pigment, which comprises premixing water-wet cellulose nitrate, a plasticizer, and carbon black pigment to form a damp, black powder in which these components are uniformly distributed with substantially no colloid formation, the water in the mass to be premixed constituting 55–70% of the total pigment and water, and thereafter subjecting the premixed product to colloid formation on a differential speed two-roller mill in which the slower roll is maintained at a temperature of 140–175° F. and the faster roll is maintained at a temperature not greater than 100° F.

2,544,364

CURL SETTING DEVICE

Nathan L. Solomon and William F. Feyrer, Englewood, and Alvin E. Anderson, Oradell, N. J.; said Feyrer and said Anderson assignors to said Solomon

Application April 10, 1948, Serial No. 20,286
20 Claims. (Cl. 132—33)



14. In a curler, the combination of a main body having handle and winding sections, a winding section having a plate, a pin arranged perpendicularly to the plate at the winding section upon which hair may be wound to form a curl, means to maintain a bobby pin in open condition in the handle section, and means for transferring the open bobby-pin from the handle section into engagement with a curl at the winding section, and to release the bobby-pin to close on a formed curl at the winding section.

2,544,365

ACYLATED PHENOL-FORMALDEHYDE RESINS CONTAINING KETENE POLYMERS OF HIGHER FATTY ACIDS

Ben E. Sorenson, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 10, 1946, Serial No. 661,057
2 Claims. (Cl. 260—19)

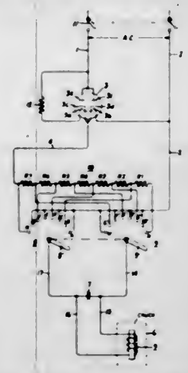
1. The process of preparing the ketene of a vegetable oil fatty acid in the presence of an acylated phenol formaldehyde resin which comprises (1) reacting a substantial portion of said vegetable oil fatty acid with a soluble acid-condensed phenol formaldehyde resin in the presence of a first substantial portion of acetic anhydride, whereby a phenol formaldehyde resin acylated in substantial proportion with said fatty acid at the phenolic hydroxyl radical position is formed; and (2) thereafter heating the resulting materials to 220°–250° C., adding at said temperature a second substantial portion of acetic anhydride at approximately the same rate as the chemical equivalent amount of acetic acid is distilled out, and continuing the heating until substantially no more acetic acid is formed, whereby the balance of said vegetable oil fatty acid is converted to the corresponding ketene in the presence of said acylated phenol formaldehyde resin, said ketene being present in the product of said process in a proportion sufficient to impart to said product the property of air drying within 24 hours in the absence of metallic drier.

2,544,366

ELECTROMAGNETIC CHUCK CONTROL CIRCUIT

Herbert F. Storm, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 14, 1949, Serial No. 70,982
4 Claims. (Cl. 175—335)



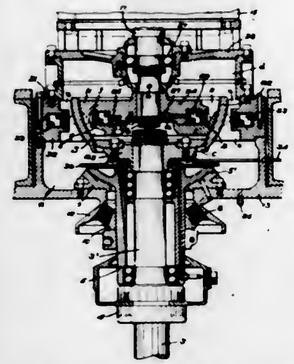
3. A control system for magnetizing and demagnetizing an electromagnet from a source of unidirectional current including selective means for providing said electromagnet with a predetermined amount of unidirectional current and for varying and simultaneously commutating said unidirectional current, said means comprising two multi-step switches operated in synchronism by a common operating mechanism, and a plurality of resistor sections, alternate fixed contacts of each of said switches being connected to the same side of said source of unidirectional current, the remaining fixed contacts of said switches being connected progressively and alternately through a progressively varying number of cumulatively connected resistor sections to the other side of said source.

2,544,367

CENTRIFUGAL SEPARATOR

John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Boston, Mass., a corporation of Massachusetts

Application December 18, 1945, Serial No. 635,804
13 Claims. (Cl. 210—72)



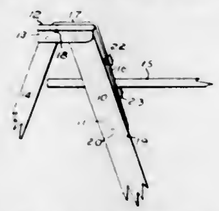
1'. The combination with a centrifugal separator including a basket and a vertical shaft supporting said basket in a suspended position for rotation about the axis of the shaft and for oscillation about a center point in said axis, of a bowl-shaped armature fast on said shaft and having a surface which is a section of a sphere centered at said point, a magnet having pole faces which are in the form of a section of a sphere coinciding with the spherical shape of the armature and which are positioned closely adjacent to, but out of contact with, said surface so that the field of said magnet passes through portions of said armature, means for relatively revolving said magnet and said armature around an axis passing through said center, and energizing means for said magnet.

2,544,368

SCAFFOLD BRACKET FOR LADDERS

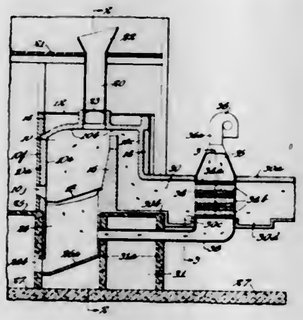
Irvin I. Thorne, Portland, Oreg.

Application February 10, 1947, Serial No. 727,605
1 Claim. (Cl. 248—238)



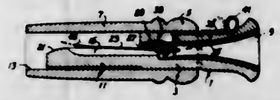
A scaffold bracket consisting of a pair of upright members having a pair of plank supporting straps holding said members in parallel relationship, said members having one pair of ends turned substantially normal thereto, equalling the width of a stepladder tread, each of said ends having a square turned hook, the opposite ends of said member having rounded hooks formed therein opposed to said square hooks.

2,544,369
GARBAGE INCINERATOR
Jay C. Vincent, Los Angeles, Calif.
Application February 15, 1946, Serial No. 647,796
1 Claim. (Cl. 110—8)



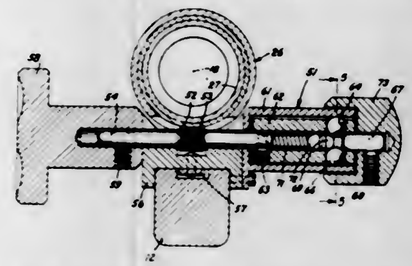
An incinerator for burning garbage or the like containing a high moisture content having in combination, a combustion chamber having side, front, top and rear walls, said side, top and rear walls having air spaces therein throughout substantially their whole extent, a bridge wall spaced from said rear wall and extending to adjacent said top wall, a single grate forming the bottom of said chamber and extending from said front wall to said bridge wall, said top wall having a charging passage therethrough disposed to discharge on the rear portion of said grate, said front wall having a stoking opening therethrough adjacent and above said grate, said chamber having an outlet passage for the products of combustion, the top of which is formed by said top wall and the bottom of which is formed by the top of said bridge wall, a larger passage leading downwardly from said outlet passage, a second chamber beneath said grate having vertical end and side walls disposed at the sides and ends of said grate respectively whereby said chamber has substantially the length and breadth of said grate, said chamber having a forwardly sloping bottom disposed quite a great distance below said grates, said front wall of said second chamber having an ash removal opening therein immediately above said bottom, an elongated horizontal flue leading from said last mentioned passage and disposed a considerable distance above the bottom of said second chamber, a heat exchanger composed of members disposed in said flue, said members having horizontal passages therethrough and forming vertical passages between said horizontal passages, said products of combustion passing through said horizontal passages, means for forcibly directing air from outside said incinerator vertically downward through said vertical passages for heating said air, and a conduit communicating with the bottom of said vertical passages for receiving said heated air and being disposed centrally below and substantially parallel to said flue and disposed well above the bottom of said second chamber, the same extending directly to and delivering to said second chamber at a central point transversely of said second chamber and a considerable distance above the bottom thereof whereby said heated air is forced through said grate and very high temperatures can be attained and maintained in said combustion chamber.

2,544,370
SLIDABLY ADJUSTABLE BIRDCALL
Fletcher D. Walther, Kirkwood, Mo.
Application May 20, 1948, Serial No. 28,209
8 Claims. (Cl. 46—180)



1. A bird call comprising a tube having air inlet and outlet ends, said tube interiorly having a longitudinal groove leading from adjacent the inlet to the outlet end of the tube, a vibratory reed overlying said groove and longitudinally slidable within the tube, a sealing member in the tube adjacent its outlet end bearing against the reed and having a sliding sealing fit with the reed to confine to the passage formed by the reed and the groove flow of air from the inlet to the outlet end of the tube, said reed being longitudinally slidably adjustable from the exterior of the tube to vary the free length of the reed extending rearward from the sealing member.

2,544,371
MICROSCOPE WITH FRICTIONAL VERNIER DRIVE
Sidney Weiser, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York
Application December 12, 1947, Serial No. 791,194
5 Claims. (Cl. 88—39)



1. In a microscope, the combination with, a frame, a lens carrying tube reciprocably movable in said frame, a rack on the exterior of said tube, a bearing structure connected to said frame, a shaft journalled in said structure and being rotatable, and a pinion secured to said shaft and rotatable therewith and in mesh with said rack to move said tube, a driving mechanism for turning said shaft, comprising in combination, a hollow cylinder secured to said shaft and rotatable therewith, a plurality of rotatable elements connected to the wall of said hollow cylinder and adapted to revolve therein in a planetary movement relative to said shaft and projecting laterally beyond the interior and exterior cylindrical surfaces of said cylinder, a stationary hollow cylinder connected to said frame and in contact on its interior surface with said rotatable elements on the exterior of said first cylinder, a rotatable auxiliary shaft disposed in alignment with said first shaft and spaced therefrom and including a bevelled surface in contact with said rotatable elements on the interior of said first cylinder, means for manually applying rotational movement to said auxiliary shaft and a spring disposed intermediate said shafts bearing non-

frictionally against the same to urge them apart to press said rotatable elements into frictional engagement with said bevelled surface of said auxiliary shaft and simultaneously with said interior surface of said stationary cylinder, whereby rotation of said auxiliary shaft is transmitted to said rotatable elements, thence to said first cylinder and finally to said shaft, said shaft being rotated at reduced speed compared to said auxiliary shaft.

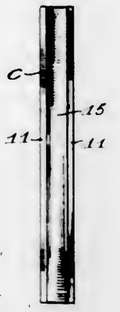
2,544,372
DOOR CHECK AND CLOSER
Willy W. Werner, Detroit, Mich.
Application January 29, 1948, Serial No. 5,059
2 Claims. (Cl. 16—65)



1. A door check and closer comprising, a bracket for attachment with a door, a stud projecting from the bracket, a brake drum projecting from the bracket and concentric with the stud, a housing adapted to encase the brake drum and having a central aperture for rotary engagement with the stud, means for pivotally attaching the housing to the stud, a helical spring concentric with the stud and having one end attached to the bracket and the other end attached to the housing, said housing having a recess formed in a portion of its circular wall, a brake shoe including a support and a brake lining positioned within the recess, a brake shoe adjusting screw extending through the wall of the housing, a spring interposed between said brake shoe and the adjusting screw whereby an adjustable resilient pressure is applied by the brake shoe against said brake drum, an arm projecting from the housing, a second bracket adapted for attachment to a door frame, and a connecting link pivotally joining the bracket and the end of said arm projecting from the housing.

2,544,373
STIFF NARROW FABRIC
William West, Montreal, Quebec, Canada, assignor to Donahue Corporation of Canada Ltd., St. Hyacinthe, Quebec, Canada, a corporation of Canada
Application August 24, 1949, Serial No. 112,133
In Canada August 11, 1949
2 Claims. (Cl. 2—255)

1. A stay for foundation garments, comprising, a resin-impregnated non-stretchable narrow fabric having a relatively heavy body portion extending the major extent of the width of the fabric and a relatively narrow selvage portion at each side of the body portion, the body portion being made up of a plurality of groups of relatively heavy warp threads arranged side by side, and a facing and backing on the body portion of the fabric and the selvage formed by warp and weft threads of normal thickness, said facing and backing enclosing the groups of relatively heavy warp threads, and binder threads extending the length of the fabric in the body portion between respective groups of said heavy threads, said fabric being impregnated with a substantially water-insoluble resinous material imparting to the body portion of the fabric sufficient stiffness to act as a stay for foundation garments but leaving the



marginal portion sufficiently workable to allow stitching.

2,544,374
DISHWASHING APPARATUS IMPELLER
Gaylord H. Wotring, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application June 4, 1948, Serial No. 31,051
1 Claim. (Cl. 259—107)

In a dishwashing apparatus having a vat for receiving dishes and a sump for a quantity of washing liquid to be circulated forcefully over said dishes, a liquid impeller mounted for rotation in the sump portion of said vat, said impeller including a vertically disposed substantially cylindrical hub an open end of which projects into said sump and having inner wall means which operate as a pump drawing washing liquid upwardly along said inner wall means when the impeller is being rapidly rotated, blades on the exterior of said hub for picking up liquid in said sump and distributing said liquid throughout the vat, said hub wall having at least one aperture at a level above the said impeller blades and at a height to which the liquid will be drawn upwardly within said hub by the pumping action thereof, said aperture providing for the flow of liquid from said hub into the liquid mass being circulated by said blades, and means for effecting said rapid rotation of said impeller.

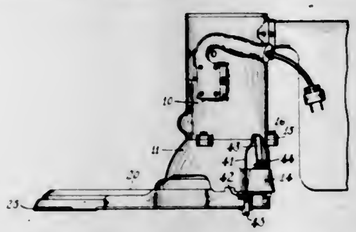
2,544,375
LUBRICATING OIL CONTAINING A POLYMER OF TETRADECYL VINYL ETHER
John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 21, 1948, Serial No. 45,580
1 Claim. (Cl. 252—52)

A lubricating composition which comprises a wax containing mineral lubricating oil having an A. S. T. M. pour point of from 15 to 50° F., containing intimately dissolved therein from 0.05 to 2 percent by weight of a polymer of tetradecyl vinyl ether.

2,544,376
LUBRICATING OIL CONTAINING A POLYMER OF OLEYL METHACRYLATE
John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 21, 1948, Serial No. 45,582
1 Claim. (Cl. 252—56)

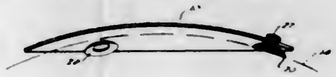
A lubricating composition which comprises a wax containing mineral lubricating oil of an A. S. T. M. pour point between −10° F. and +5° F., containing dissolved therein from 0.05 to 2 percent by weight of a polymer of oleyl methacrylate, said lubricating oil containing mineral oil as its major increment.

2,544,377
ATTACHMENT FOR FLOOR SANDERS OR THE LIKE
Francis C. Cooke, Hartford, Conn.
Application February 5, 1947, Serial No. 726,556
1 Claim. (Cl. 51—177)



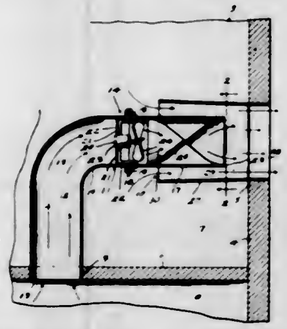
An attachment for floor-sanding machines having a housing provided with a downwardly-facing opening and a rotating sanding disk projecting through said opening for contact with the floor, said attachment comprising a hollow casing having an upwardly-directed opening adjacent its rear end and a downwardly-directed opening adjacent its front end, means for attaching the casing to the housing of the sanding machine to support the latter from the floor with the upwardly-directed opening of the casing registering with the downwardly-directed opening of the housing to receive the sanding disk in the latter whereby the sanding machine is supported from the floor upon the portion of the casing about said opening, a second sanding disk rotatably mounted in the casing on a substantially vertical axis and projecting downwardly through the front opening of the casing, means drivingly connecting said sanding disks including a pulley adapted to be secured to each of said disks and a belt connecting said pulleys and extending through said hollow casing, said casing being closed except for said opening and its interior providing a passage for the belt and abraded material, supporting platforms provided on said casing adjacent and at the rear of said upwardly-directed opening, and floor-engaging casters secured to the underside of said platforms.

2,544,378
FOG FILTER FOR HEADLIGHTS
Cyrille A. Cyr, Detroit, Mich.
Application April 15, 1947, Serial No. 741,561
1 Claim. (Cl. 240—46.59)



A filtering device for head lamps and the like comprising a pigmented transparent sheet formed to concavo-convex contour and having substantially parallel inner and outer surfaces, and holding means comprising a plurality of suction cups each of substantially right conoidal form, carried by convex portions of such sheet at a plurality of spaced points near the margin of the sheet, and each projecting substantially perpendicularly from a plane tangent at its point of attachment, whereby the holding portions of such cups may lie in planes substantially tangent to a correspondingly convexly contoured surface to which the filter is to be applied, the sheet being provided with slots extending inwardly from the periphery thereof and having narrowed mouth portions, the suction cup means having resilient holding stem portions retained in said slots and of a relaxed diameter exceeding that of such narrowed mouth portions.

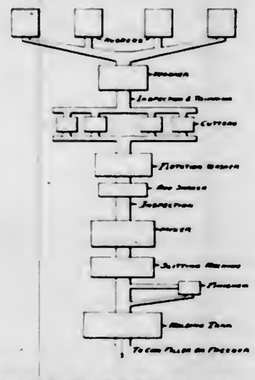
2,544,379
VENTILATING APPARATUS
Oscar J. Davenport, Pascagoula, Miss.
Application November 15, 1946, Serial No. 709,901
3 Claims. (Cl. 98—43)



1. A ventilating apparatus comprising a sleeve adapted to be mounted at one end thereof in an opening of an outside wall of an enclosure and opening at said end to the atmosphere, said sleeve having an opposite inner end opening into a first room of the enclosure, a conduit of substantially smaller external diameter than the internal diameter of said sleeve having an outlet end disposed within the inner end of the sleeve and substantially concentric thereto, the outlet end of said conduit terminating within the sleeve and in spaced relationship to the ends of the sleeve, said conduit extending from the inner end of the sleeve

and having an opposite inlet end opening into a second room of the enclosure, a driven fan disposed within said conduit adjacent its outlet end and adapted to impel air therethrough from the inlet end thereof and to expel the air therefrom into said sleeve and toward the first mentioned, outlet end thereof, said outlet end of the conduit and sleeve combining to form a nozzle for drawing air into the sleeve from the first room through the inner end thereof and for causing the air to be impelled through the length of the sleeve and ejected therefrom to the atmosphere and means located in said conduit to cause the air ejected therefrom to pass through the sleeve in a whirling motion for increasing the suction in the inlet end of the sleeve, said means comprising a helical vane disposed in the conduit and extending from adjacent the fan to the outlet end thereof, and said vane being of a width substantially equal to the internal diameter of the conduit.

2,544,380
METHOD OF PREPARING CORN
William J. Fitzpatrick, Western Springs, Ill., assignor to The W. J. Fitzpatrick Company, Chicago, Ill., a corporation of Illinois
Application June 16, 1950, Serial No. 168,633
5 Claims. (Cl. 99—186)



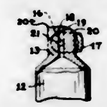
1. The method of preparing corn comprising cutting substantially whole corn kernels from the cob, cleaning the kernels, adding liquid to the kernels, and slitting at least a portion of the kernels in the liquid.

2,544,381
COOLING BELT
Isaac Goldmerstein, New York, N. Y.
Application August 14, 1947, Serial No. 768,550
5 Claims. (Cl. 62—1)



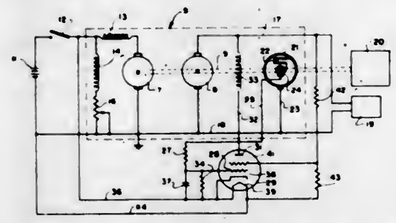
1. A body cooling belt comprising a strip of cloth material, a strip of high heat conductive waterproof material lining one side of said strip of cloth material to be engaged with the body surface about the waist, said strips being stitched together, and means securing the strips of material in position about the waist.

2,544,382
PIVOTED CLOSURE CAP FOR THE OUTLET OPENING IN A CONTAINER NECK, FRICTIONALLY BIASED IN CLOSED POSITION
Edward Grunwald, New York, and Fred S. Ruben, Kew Gardens, N. Y.
Application September 7, 1946, Serial No. 695,390
2 Claims. (Cl. 222—558)



1. The combination with a container having a neck formed with a discharge passage, a shaft extending across said discharge passage and outwardly of the neck, the neck being formed with flat sides adjacent the ends of the shaft, the shaft having a valve port located in line with the discharge port and closing the discharge port when said valve port is at right angles to the discharge passage, the outer end of the neck having a convex surface concentric to the axis of the shaft and a convex surface extending therefrom which is non-concentric to said shaft, and a U-shaped cap having side portions fixed to the outer ends of the shaft to snugly engage the flat sides of the neck and provided with a concave sealing wall connecting said side portions to each other and having a sliding engagement with the concentric convex surface of said neck and adapted to swing to one side of the outer end of the neck to wholly expose the outer end of said discharge passage, and means frictionally locking said cap against movement in the opposite direction to limit the inward movement of the sealing wall of the cap to a closing position over and against said discharge passage, the cap and shaft turning together.

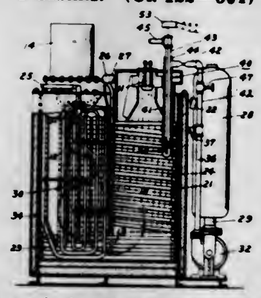
2,544,383
SPEED REGULATION OF DYNAMOTORS
Theodore A. Hansen, Park Ridge, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 17, 1947, Serial No. 722,598
5 Claims. (Cl. 318—325)



1. In a speed regulation system, in combination with a dynamotor including a regulating field and speed responsive governor contacts, a source of power for operating said dynamotor, an electron tube having at least an anode, a cathode and a control grid, said anode being connected to said regulating field and said control grid being connected to said governor contacts, means to normally bias said control grid to a negative value with respect to said cathode from said source of power thereby rendering said tube non-conductive, said governor contacts opening upon the attainment of a predetermined speed of said dynamotor and thereby causing said control grid to be biased to zero causing said tube to be rendered conductive, said regulating field being

controlled by said tube to cause the speed to be reduced, and means connected to said grid to prevent said grid from being reduced to zero instantaneously, whereby transient voltages are eliminated.

2,544,384
LOW-WATER THERMAL CUTOFF FOR STEAM GENERATORS
Erich W. Henkel, Calumet City, Ill., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y.
Application October 18, 1949, Serial No. 121,984
3 Claims. (Cl. 122—504)



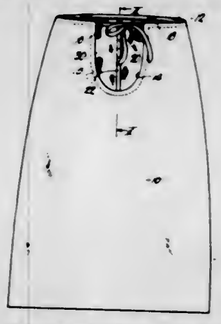
1. In a forced circulation boiler having a furnace, means for introducing fuel to and burning it in said furnace, steam generating elements exposed to the heat of products of combustion from fuel burned in said furnace, and a pump connected to said steam generating tubes for supplying water under pressure thereto; a pilot tube disposed so as to be exposed to the heat of fuel burned in said furnace; piping connected to the delivery side of said pump and to said pilot tube and so arranged as to pass part of the water delivered by said pump through said pilot tube while said pump is in operation for supplying water to said generating elements; a thermally responsive element associated with said pilot tube; and means subject to said thermal means for controlling the operation of said burner.

2,544,385
SYNTHETIC FIBER PREPARATION
Carroll A. Hochwalt, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 25, 1948, Serial No. 17,112
12 Claims. (Cl. 18—54)

9. In a method of spinning fibers of a copolymer of 75 to 97 percent acrylonitrile, two to 18 percent methacrylonitrile, and from one to ten percent vinyl acetate, by extruding a solution of said polymer in butyrolactone into a coagulating bath, and removing the precipitated fiber; the step of utilizing sodium hydroxide solution as the coagulating bath.

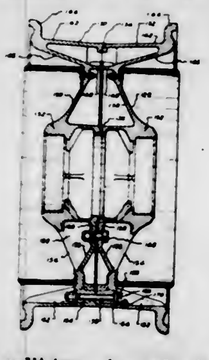
2,544,386
MATERNITY GARMENT
Phillip Jacobs and Jake Jacobs, Kansas City, Mo.
Application January 28, 1949, Serial No. 73,262
1 Claim. (Cl. 2—221)

A maternity garment comprising in combination a tubular skirt having a waistband and an opening extending downwardly from the waistband at the front of the skirt to accommodate the abdomen when enlarged by reason of pregnancy; and readily releasable attaching means for gradually increasing the girth of the skirt at and immediately below said waistband, said means comprising a pair of opposed tying tapes traversing the opening at the uppermost end thereof when tied together, an abdomen-traversing, flexible strap permanently secured at one end thereof to the skirt at the lowermost end of the opening, said strap having a first portion thereof spanning the distance between the tying tapes and said end of the opening and being looped



over one of the tying tapes, terminating in a second portion depending from said one tying tape and disposed in face-to-face relationship to said first strap portion, and a plurality of equally spaced fastening elements between the proximal faces of said strap portions for joining the latter together, each element having a part attached to each strap portion respectively, each of said parts on one strap portion being adapted for selective connection with any one of the parts on the other strap portion.

2,544,387
TRUSS TYPE AIRCRAFT WHEEL
Henry H. Kerr, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application June 3, 1946, Serial No. 674,095
5 Claims. (Cl. 301—65)



1. A radially split two-piece wheel structure for pneumatic tires comprising a pair of parts piloted upon each other adjacent the radial plane along which the wheel is split, hub portions, rim portions including tire retaining flanges overhanging said hub portions, said hub and rim portions being integral with their respective said parts and having interfitting annular flanges and recesses piloting the wheel parts upon each other, integral conical like wall structure extending from said flanges inwardly and toward said plane, conical wall structure extending from said hub portions outwardly and merging with said first conical wall structure, said first and second wall structures transferring the radial load from said rim portions to said hub portions, abutting wall structure transversely disposed to said plane and located adjacent the point of merger of said first and second wall structures for taking compression loads, tension members transversely disposed to said plane and located directly adjacent said rim portions and radially outward from said point of merger to take the burst load of the pneumatic tire and to hold said parts assembled, and radially disposed transversely extending wall structure extending between said plane and said second conical wall structure and between said abutting wall structure members and said hub portions to take the side and unbalanced load structure of the wheel.

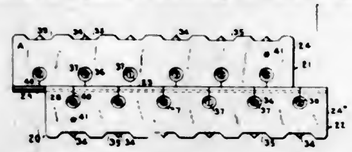
2,544,388
PHOTOGRAPHIC FLASH GUN
Theodore Lang, Flushing, N. Y.
Application September 24, 1947, Serial No. 775,946
2 Claims. (Cl. 240—1.3)



1. A flash gun comprising a battery casing adapted to house the batteries, a top part extending transversely across the upper end of the battery casing and having a cover member adapted to fit over the battery casing, said top part having a switch at one end and a socket opening at the other end, a plunger within the top part adapted to be engaged by a flash bulb upon the same being inserted into the socket opening, wire connections extending between the plunger device and the switch and batteries lying within the battery casing, a reflector having a threaded portion, said socket opening having internal threads adapted to receive the threaded portion of the reflector, said reflector comprising a casing and an element extending centrally therethrough and having the external threads thereon, said element further including a portion for receiving the flash bulb to retain the same, said portion being in the form of a sleeve lying concentric with the threaded portion and having an opening in its bottom end through which the plunger may extend for engagement with the lamp bulb.

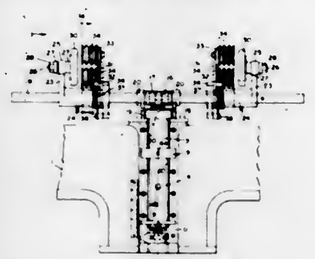
2,544,389
AID FOR CARRYING OUT MULTIPLICATION
Charles Lipkin, New York, N. Y.
Substituted for abandoned application Serial No. 642,199, January 19, 1946. This application December 3, 1948, Serial No. 63,335
2 Claims. (Cl. 235—74)

1. In an instrument of the class described having a pair of like adjacent hollow sections formed with aligned window openings and enclosing rotatively mounted discs carrying numbers to be multiplied which can be selectively exposed in the window openings, a rib formed on the edge of one of the sections facing the other section, the other section having a groove formed in its adjacent edge portion into which said rib is slidably engaged, said groove opening to the ends of its



respective section leaving the sections free to be slid relative to each other with their ends projected beyond each other in either direction to align the numbers, and means releasably retaining the sections against sliding movements with desired numbers aligned.

2,544,390
TIRE PLY TURNDOWN DEVICE
Edwin E. Mallory, Cuyahoga Falls, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application September 24, 1948, Serial No. 51,093
6 Claims. (Cl. 154—10)



6. The combination with a rotary tire building drum adapted to carry ply stock thereabout projecting axially beyond one end, of a ply turndown device comprising axially adjacent hold down and turndown elements respectively and successively movable into contact with the ply stock adjacent such one end of said drum to thereby hold the ply stock against the periphery of the drum and across such one end of said drum to thereby turn the projecting end of the ply stock inwardly over such end of said drum, and means for moving said elements as aforesaid, said hold down element including a ply contacting surface extending circumferentially along the ply stock from the region of the ply stock operated upon by said turndown element during movement of the latter across such one end of said drum.

2,544,391
COATING COMPOSITION
Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 30, 1948, Serial No. 68,413
5 Claims. (Cl. 106—14)

1. A coating film comprising a solid resinous composition containing intimately dispersed therein from 5 to 80 percent, based on the solid resinous composition of iron carbonyl.

2,544,392

BASE-CATALYZED VAPOR-PHASE PRODUCTION OF ETHERS FROM ALCOHOLS AND OLEFINS

Robert J. Moore, Berkeley, and Gordon J. O'Donnell, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 8, 1947, Serial No. 772,892
13 Claims. (Cl. 260—614)

13. A process for the production of ethers which comprises contacting alkanols and olefins having critical temperatures of not more than about 350° C. in the presence of a non-volatile alkaline material comprising at least one material of the group consisting of the oxides and hydroxides of the alkaline reacting metals in the vapor phase at a temperature between 100° C. and 400° C. and under a pressure of between 8 and 10 atmospheres.

2,544,393

ISOPROPENYLBIPHENYL COPOLYMERS

David T. Mowry, Dayton, Ohio, and Raymond B. Seymour, Brunswick, N. J., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 25, 1949, Serial No. 72,746
5 Claims. (Cl. 260—80.7)

1. A copolymer of 40 to 80 percent by weight of a compound of the group consisting of meta-isopropenylbiphenyl and para-isopropenylbiphenyl and 10 to 60 percent of a compound having the structural formula:



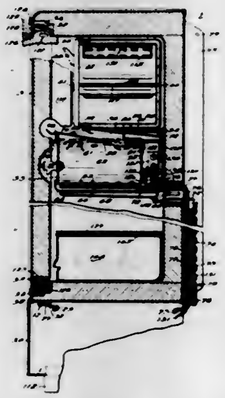
wherein X is a radical of the group consisting of hydrogen and methyl.

2,544,394

REFRIGERATOR WALL AND CLOSURE

Glenn Muffly, Springfield, Ohio

Application December 7, 1945, Serial No. 633,371
11 Claims. (Cl. 62—89)



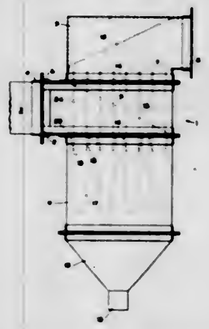
3. A refrigerator cabinet, a main food space in said refrigerator, a door for said main food space, means for cooling said main food space, a second insulated enclosure within said refrigerator, a door for said enclosure, means for cooling said enclosure, the contacting surfaces of the last said door and the stationary portion of said enclosure being formed of substantially solid and noncompressible material, and means for forcibly breaking an ice bond between the last said door and said enclosure walls.

2,544,395

DUST COLLECTOR

Gilbert C. Polk, Detroit, Mich., assignor to American Blower Corporation, Dearborn, Mich., a corporation of Delaware

Application March 30, 1948, Serial No. 18,020
6 Claims. (Cl. 183—81)



1. In a dust collector, a collector conduit, an outlet conduit extending into the inlet end of said collector conduit and being of smaller diameter than said collector conduit, a hollow spinner member having the shape of a right truncated cone having its base portion closing the inlet end of said collector conduit and extending into said inlet end with its apex fitting around the wall of said outlet conduit, and said spinner member having a plurality of apertures through its conical wall arranged circumferentially around and extending longitudinally of said wall, and means cooperable with said apertures to direct gas passing therethrough into said collector conduit with a motion circumferentially thereof.

2,544,396

TOOTH CLEANING AND GUM MASSAGING IMPLEMENT

Murray Raybin, Bronx, N. Y.

Application April 14, 1950, Serial No. 155,973
4 Claims. (Cl. 128—62)



1. A tooth cleaning and gum massaging implement comprising a stick having a relatively long substantially straight end and a shorter end disposed at an oblique angle to the straight end, said shorter end being substantially square in cross section and having a terminal portion beveled on the inner side of the stick to provide a tooth and gum engaging surface.

2,544,397

SLIDING COCKPIT ENCLOSURE FOR AIRCRAFT

Lawrence F. Santucci and Joseph S. Showalter, Buffalo, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware

Application September 1, 1945, Serial No. 614,058
6 Claims. (Cl. 244—121)



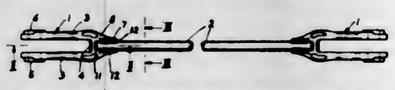
1. In aircraft, a fuselage having a cockpit opening defined by marginal sills which together define a rearwardly tapering structure, a windshield at the forward zone of the cockpit, a canopy on the fuselage, said canopy being tapered rearwardly, carriage means fixed on said fuselage, longitudinally spaced transverse brace members on said canopy, track means extending between said brace members for cooperation with said carriage means in movably supporting said canopy, and means for moving said tapered canopy between a position contacting said windshield and said sills to close the cockpit and a position rearwardly thereof to open the cockpit whereby, as said canopy is moved rearwardly to provide an air flow escape gap along the cockpit sills, said track means moves with respect to said carriage means to shift the point of canopy support in a forward direction relative to the canopy.

2,544,398

CONNECTING MEMBER WITH FORKED ENDS

Frederic Schaefer, Pittsburgh, Pa., assignor to Schaefer Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 8, 1949, Serial No. 75,194
5 Claims. (Cl. 287—20.2)



1. A rod joint comprising a metal rod, a metal connecting element mounted on an end of the rod, said element having at its inner end a pair of spaced parallel jaws integrally connected by a cross member extending across the adjoining end surface of the rod, the jaws extending inwardly along the side surface of the adjoining end portion of the rod, the end surface of the rod being welded to said cross member and welds joining the sides of the jaws with said side surface.

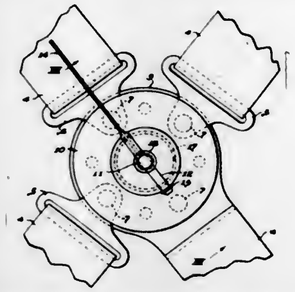
2,544,399

HARNESS RELEASE

John H. Schneider, Irwin, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 24, 1944, Serial No. 528,003
7 Claims. (Cl. 24—73)

1. A harness release for use with a plurality of harness straps adapted to be connected to an article and having free ends, a pair of separable retaining members adapted to receive said free ends between them, said free ends and one of said members being provided with registering detents and openings for normally retaining the straps between said members, manually releasable means normally holding said members together, and a spring normally compressed between said retaining members for separating them when said holding means is released.

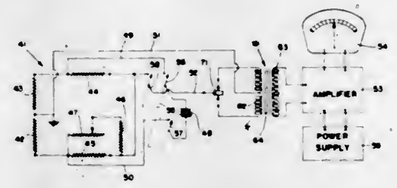


2,544,400

STRAIN MEASURING INSTRUMENT

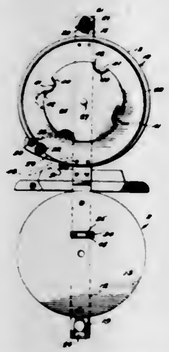
William A. Sourwine, Eggertsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application January 19, 1944, Serial No. 519,076
3 Claims. (Cl. 73—88.5)



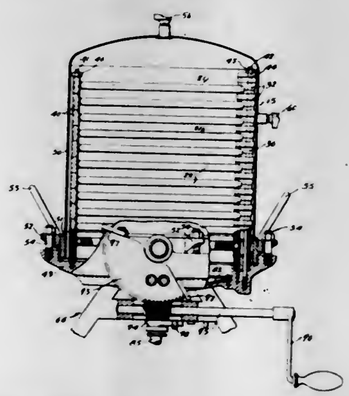
1. An apparatus for measuring strains as reflected by small variations in resistance of a strain gage whose resistance is variable in opposite directions from normal in response to strains applied to the gage in opposite directions, said apparatus comprising a Wheatstone bridge having the input terminals thereof arranged for connection to a source of direct current whereby with the bridge balanced in the normal condition of the gage the bridge output current would vary in polarity depending upon the direction of the strains subsequently applied to the gage, means for adjusting the resistance of another arm of the bridge for unbalancing the latter so that the bridge output current will be of the same polarity irrespective of the direction of the strains applied to the gage, means for transforming the bridge output current into an alternating current, the last-mentioned means comprising a transformer and a vibrating reed for reversing the polarity of the current applied to the transformer primary windings at a predetermined frequency, an alternating current amplifier for amplifying the alternating current from the transformer secondary windings, means for rectifying the output current from the amplifier, a galvanometer connected across the output of said rectifying means and biasing means shunting the galvanometer and adjustable to reduce the galvanometer current to zero in the said normal condition of the strain gage, said galvanometer measuring variations in either direction from zero and being calibrated to measure directly the value and direction of strains applied to the gage.

2,544,401
WIRE REEL
Sherman D. Spurling, Macon, Ga.
Application October 11, 1946, Serial No. 702,634
5 Claims. (Cl. 242—72)



1. In a reel, a base, a housing including a fixed side secured to the base and a swingably mounted side hinged to the base, latch means for retaining the swingably mounted side in a closed position with respect to the fixed side, a spool carried by the fixed side and journaled in the housing between said sides, and means for varying the circumference of the spool for adapting it to rolls of wire of different internal diameters, said means including a plurality of elements equally spaced around the circumference of the spool.

2,544,402
LIQUID FILTER
Raymond G. Tessmer, Tonawanda, N. Y., assignor to Arnold Jacobowitz, Buffalo, N. Y.
Application November 15, 1947, Serial No. 786,244
4 Claims. (Cl. 210—181)



1. A filter having a plurality of spaced separable filter leaves, each filter leaf having spaced filtering elements, and a tubular member at the perimeter thereof for enclosing the edges of said elements, said member being in open communication with the space between said elements, an outlet hub secured to each of said filter leaves and having axial passageway normal to the filtering elements and opening into said tubular member, a filter head for supporting said filter leaves, means for detachably securing said leaves to said head, closure means removably carried by said head for encasing said filter leaves in liquid-tight manner, ported trunnion bearings for said head arranged to permit rotation thereof about an axis transverse to said passageway, liquid inlet and outlet passageways permanently connected to said ported trunnion bearings, said filter elements being exposed to the unfiltered liquid entering said closure through one of the trunnion ports, and means connecting said outlet hubs to the other trunnion port for conducting the filtered liquid to the outlet of the device.

2,544,403
CROTCH PROTECTOR FOR TROUSERS
Morris Turner, New York, N. Y.
Application December 17, 1947, Serial No. 792,156
1 Claim. (Cl. 2—231)

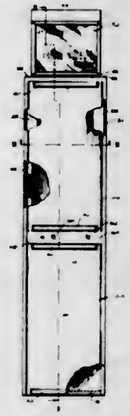


A crotch protector for mounting within a pair of trousers between the bottom end of the fly opening and the bottommost point in the crotch, comprising a pair of adjacent shields for depending into the legs of the trousers on opposite sides of the crotch, each of said shields being formed of a blank of material substantially diamond-shaped and each of which is wider than it is long, said blanks being folded in half along their lengths forming flattened substantially isosceles-shaped triangles having long folded hypotenuse sides, superimposed free legs and reentrantly curved legs between the free ends of said hypotenuse sides and said free legs, and stitches securing together the free legs, said reentrantly curved legs being shaped to the curvature of the trousers between the bottom end of the fly and the lowermost point of the crotch and the reentrantly curved legs of said pair of shields being stitched together and adapted to be nested in that curved portion of the trousers with said folded hypotenuse sides extended downward from the bottom end of the fly opening and said stitched together free legs extended downward from the lowermost point of the crotch.

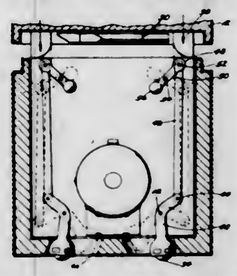
2,544,404
BULLETIN BOARD
William B. Ward, Kansas City, Mo.
Application September 6, 1946, Serial No. 695,126
1 Claim. (Cl. 40—65)

In a bulletin board of the kind described, a cabinet having means for mounting a bulletin sheet on one face thereof; a case carried by the cabinet on one end thereof; a number of partitions in the case for dividing the case into a plurality of compartments; a translucent plate forming one face of the case, said plate having indicia thereon above each compartment respectively; a lamp in each compartment for rendering said indicia visible; and a switching device adapted to close an electric circuit through selected lamps, said case being hingedly mounted on the cabinet for adjustably tilting the same to a position for directing rays of light emanating from lighted lamps through said plate, toward the bulletin sheet for illuminating the same, said switching device being mounted in the cabinet,

one of said panels extending above and one below said device when in operative position, for exposing said device whereby the same is accessible to the user.



2,544,405
VACUUM CLEANER HOUSING UNIT
Gordon E. Weir, Lakewood, Ohio
Application January 20, 1948, Serial No. 3,261
4 Claims. (Cl. 15—257)



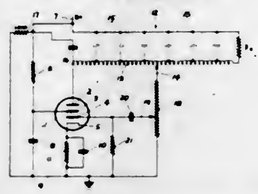
1. In combination; a piece of household furniture having formed therein a walled-in space within which a vacuum cleaner unit is adapted to be housed both when in use as such and when not so used; a bodily removable closure for an opening formed in a wall of said space; means on the inner face of said closure for removably holding, when not in use, one or more vacuum cleaner accessories; a roller-equipped running gear for said piece of household furniture; and means coacting with said running gear to render said piece of household furniture ambulatory or non-ambulatory as desired, said means being responsive in its operation to the removal and replacement of said closure.

2,544,406
HAND HELD SCRUBBOARD
Prue E. Weems, Smyrna, Ga.
Application October 15, 1947, Serial No. 780,009
1 Claim. (Cl. 68—220)

A miniature washboard for being held in one hand during a washing operation, comprising an elongated block-like structure having one face thereof flat, a plurality of transverse ridges formed on said flat face forming a washing surface, a flat-palm rest on the opposite face of said structure, a plurality of depressions divergingly extended from said palm-rest and shaped to provide stalls each for a different finger, each of said stalls at its end remote from said palm-rest terminating at a point adjacent said flat face of said structure, said stalls being shaped to spill any water which accumulates therein, and a depression extending from said palm-rest and forming a thumb cavity, said thumb cavity at its end remote from said palm-rest terminating at a point adjacent said flat face of said structure and being shaped to spill any water which accumulates therein, said structure having a surrounding wall which is laterally curvilinearly extended inward from the periphery of said flat face and smoothly merged with said palm-rest, said palm-rest being substantially uni-planar and in its direction of extension away from said stalls being at an oblique angle to the direction of the length of said structure.



2,544,407
ELECTRICAL CIRCUITS
Vernon C. Westcott, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 2, 1946, Serial No. 666,588
1 Claim. (Cl. 250—36)

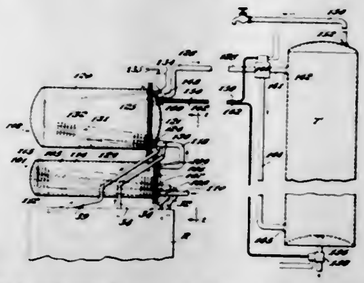


An oscillatory circuit comprising: an electron discharge device having an anode, a cathode and a control electrode; a source of voltage having its negative terminal connected to said cathode; a transmission line, having a varying attenuation-frequency characteristic, terminated at one end in its characteristic impedance and provided along the length thereof with a first movable tap: the other end of said transmission line being connected between said anode and the positive terminal of said source of voltage; and a potentiometer connected at its ends, respectively, to the negative terminal of said source of voltage and to said first movable tap, and provided along the length thereof with a second movable tap; said second movable tap being connected to said control electrode.

2,544,408
HOT-WATER SYSTEM
Lyman F. Whitney, Boston, William E. Whitney, Belmont, and Daniel F. Comstock, Lincoln, Mass., assignors, by mesne assignments, to Stator Company, a corporation of Massachusetts
Application June 19, 1947, Serial No. 755,776
8 Claims. (Cl. 126—362)

1. In combination with a substantially continuously operating hot water generator having

a cold water intake and hot water outlet, a hot water system comprising a storage tank having hot water and lower temperature water inlets and a hot water discharge line, valve means associated with said inlets and operative to close one inlet when the other is open, a hot water supply line connecting the hot water inlet with the hot water outlet of said generator so that hot water from said generator flows into said tank when said discharge line is open and the lower



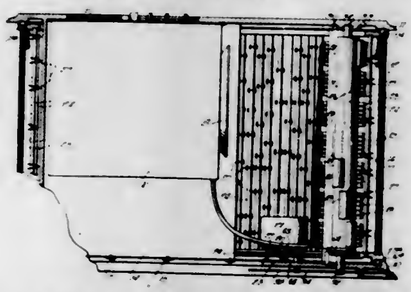
temperature water inlet is closed, and a thermostatically operated, normally closed, waste-discharge valve connected to said tank for discharging water therefrom, said thermostatically operated waste-discharge valve including a thermostatic element associated with said generator and operative to open said waste discharge valve when the water in said generator reaches a selected temperature, thereby to admit cold water to said generator and simultaneously pass hot water from said generator to said tank.

2,544,409

AUTOMATIC RADIO PROGRAM SELECTOR SYSTEM

Robert F. Yonash, Dallas, Tex.

Application April 12, 1947, Serial No. 741,123
6 Claims. (Cl. 161—1)



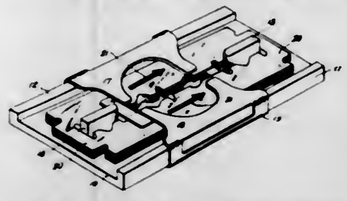
1. A radio program selector system including in combination with a radio receiving set, a stationary base, a rotatable mounting on said base, a circular series of posts vertically disposed on said rotatable mounting and relatively spaced at predetermined intervals, each of said posts being divided into vertically spaced groups of panels indicative of the days of a week and of preselected radio broadcasting stations, a radio circuit having leads common to selected panels of said posts, a depressible contact on each of said leads, a plurality of means adjustable vertically on each of said posts within the range of said groups of panels indicative of radio broadcasting stations and adapted to selectively depress said contacts, clock controlled means for rotating said post mounting at a predetermined rate of speed, a multi-lobed cam shaft rising from said stationary base whose lobes are spaced spirally on said shaft from one end to the other and coordinating with said depressed contacts to energize the radio circuit lead selected by said vertically adjustable means to said radio receiving set and means for imparting rotary motion to said cam shaft at predetermined intervals during the rotative cycle of said post mounting.

2,544,410

MAGAZINE AND BLADE COMBINATION

Louis H. Young, Auburndale, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application June 6, 1947, Serial No. 752,908
3 Claims. (Cl. 206—16)



1. A blade dispensing magazine comprising an enclosure having a stack of bare blades therein, the enclosure having oppositely disposed exit openings through which the blades are dispensed alternately in opposite directions, a blade locating stud associated with each exit opening and having the space between said studs unobstructed at least in the exit path of the uppermost blade, said blades being assembled in staggered overlapping relation on alternate studs only, a top having an opening positioned between said studs and shaped to admit the finger of the user for direct tractional engagement with the uppermost enclosed blade of the stack and to expose to view an overlapping portion of that blade, each blade of the stack having at least an overlapping portion thereof lying within the projected area of the blade-exposing and finger-admitting opening, each blade bearing unidirectional indicia on its aforesaid overlapping portion and the blades being so arranged in relation to each other that the said indicia are successively oppositely directed on alternate blades of the stack toward opposite exit openings, the indicia of each blade being successively exposed to view through said blade-exposing and finger-admitting opening as the blades are dispensed from the stack, each stud operating to prevent exit of a blade in the direction contrary to that shown by its exposed indicia.

2,544,411

COMB TYPE COTTON HARVESTER

Herman E. Altgelt, South Bend, Ind., assignor to The Oliver Corporation, a corporation of Delaware

Application February 4, 1946, Serial No. 645,323
10 Claims. (Cl. 56—30)

1. The combination with a cotton harvester having a main frame, a longitudinally extending housing mounted on said main frame, diverging gathering shields projecting forwardly from said housing, a transverse rearwardly inclined bar secured to said housing, a plurality of longitudinally extending and laterally spaced apart tines secured to the top surface of said bar having their rear ends flattened and lying contiguously across said bar, the intermediate portions of said tines being bent substantially at right angles to the flattened portions thereof, a rotary stripper cleaner shaft positioned above the



flattened portions of said tines, and curved radially projecting prongs carried by said shaft and adapted to revolve and project outwardly between the adjacent bent portion of the tines for preventing the accumulation of lint thereon.

2,544,412

PROCESS FOR MEASURING PERMEABILITY AND POROSITY OF BOREHOLE SUB-STRATA

James M. Bird, Bradford, Pa.

No Drawing. Application October 13, 1949, Serial No. 121,218
3 Claims. (Cl. 250—83.6)

1. The process of determining permeability of sub-strata in the bore of a well which consists in depositing in the bore of the well a colloidal dispersion of radioactive cobalt in liquid and permitting said liquid to permeate into the sub-strata formation, the radioactive cobalt colloids being of a size to filter out directly upon the natural bore surface of the well at the sub-strata thru which the liquid penetrates without appreciable penetration of the colloids into the sub-strata beyond the bore.

2,544,413

OPTICAL LENS SYSTEM COMPRISING ONE OR MORE ASPHERICAL REFRACTING SURFACES

Albert Bouwers, Delft, Netherlands, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands

Application January 3, 1946, Serial No. 638,768
In the Netherlands September 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1962
6 Claims. (Cl. 88—57)

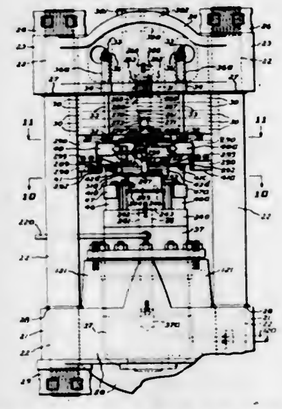
1. A lens system having an optical axis and comprising two lens elements, one of said elements having an aspherical refractive surface of rotational symmetry with respect to said axis, the other said lens element having a surface complementary to said aspherical surface, and a transparent cement binding together said lenses at said surfaces with said surfaces in substantial coincidence thereby forming a substantially single aspherical refractive surface of rotational symmetry with respect to said axis, the refractive indexes of said two lens elements differing by less than about 0.3.

2,544,414

HIGH-PRESSURE APPARATUS

Percy W. Bridgman, Cambridge, Mass., Raymond R. Ridgway, Niagara Falls, N. Y., and Edward Van der Pyl, Holden, Mass., assignors, by direct and mesne assignments, to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 22, 1946, Serial No. 711,570
25 Claims. (Cl. 18—17)



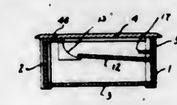
23. Apparatus of the class described comprising a hydraulic press, means associated with said press for heating a specimen to high temperatures comprising a pair of electrodes, a main ram of said press, an auxiliary ram movable as an extension of the main ram to place the heated specimen in a mold, a head on said auxiliary ram, a pair of blocks interposable between the surface of said main ram and the head of said auxiliary ram to form a rigid metal column between said main ram and said specimen, a pair of arms upon which said electrodes are mounted which are movable to bring said electrodes together and apart, a pair of arms movable to place said blocks between said main ram and said auxiliary ram head, a mounting to secure both of said pair of arms to said press at their axes of movement consisting of a pair of metal columns mounted parallel to each other and to the axes of said main ram and said auxiliary ram.

2,544,415

SICK CALL TABLE

John W. Busam, Sr., Owensboro, Ky.

Application June 1, 1946, Serial No. 673,783
4 Claims. (Cl. 312—276)



1. A table comprising a body section supported by a central pedestal, a top for said section, a

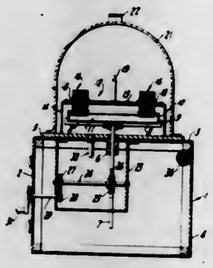
transversely extending strip secured at right angles to one end of said top forming a back wall for the body section when the top is closed and adapted to extend horizontally when the top is raised to a vertical position, a supporting section hinged to said strip and extending forwardly thereof, means for positioning said supporting section in a folded position within the body section when the top is closed, laterally extending pins on said strip, recesses formed in the body section for receiving said pins and friction catches disposed in said body section for engaging said supporting section and maintaining the section in a raised position.

2,544,416

AMPOULE FILLING MACHINE

Byron Emery, Hayward, and Wayne L. Elder, Richmond, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California

Application December 22, 1947, Serial No. 793,160
4 Claims. (Cl. 226—116)



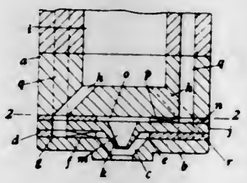
1. A machine of the character described comprising: a table; a bell jar seated on said table; a pan disposed over said table within said bell jar; a rack suspended over said pan and arranged to hold a vial in inverted position within the confines of said pan; means for effecting relative vertical movement between said pan and said rack; means for partially evacuating said bell jar and said vial; and means for introducing into said bell jar a predetermined volume of air under a predetermined pressure.

2,544,417

LIQUID FUEL BURNER NOZZLE

Leslie John Goddard, Bromborough, England, assignor to Joseph Lucas Limited, Birmingham, England

Application February 28, 1950, Serial No. 146,712
In Great Britain March 3, 1949
1 Claim. (Cl. 299—120)



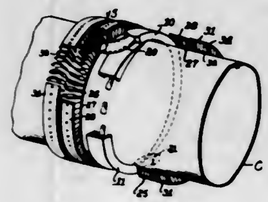
A liquid fuel burner nozzle of the type specified, comprising in combination a body having formed therein at least two fuel supply passages, an end plate spaced from one end of the body and formed with a centrally arranged main conical swirl chamber which has a discharge orifice at its smaller end, a second plate situated between the said end of the body and the end plate and formed with a subsidiary conical swirl chamber which is coaxial with and extends into the main swirl chamber, and which has a discharge orifice at its smaller end, an annular disc arranged between and in contact with adjacent faces of the body and the second plate and formed with at least one tangential slot having an open end in communication with the subsidiary swirl chamber, the other end of the slot being in communication with one of the fuel supply passages, and a second annular disc situated between the two plates and formed with at least one tangential slot having an open end in communication with the main swirl chamber, the first mentioned disc and the second plate being formed with registering openings which are arranged to effect communication between the other end of the last mentioned slot and the other of the fuel supply passages.

2,544,418

DRIVING MEANS FOR ROTATING COMBUSTION CHAMBERS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application March 22, 1947, Serial No. 736,441
1 Claim. (Cl. 60—41)



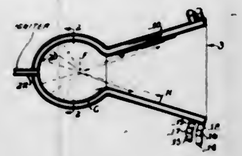
In propulsion apparatus, a rotatably mounted combustion chamber, and driving means for rotating said chamber comprising a two-part manifold mounted on and encircling said chamber, a pair of auxiliary nozzles rotating with said chamber and manifold and spaced substantially 180° apart and separately terminating the two parts of said manifold and angularly positioned to discharge the combustion gases at substantial axially-inclined lateral angles, reversed with respect to the plane of rotation of said nozzles, a separate annular set of fixed turbine blades mounted axially adjacent the path of rotation of each nozzle outlet and coaxial with said rotating chamber, said fixed blades receiving the gases discharged by said nozzles and reacting with said gases to rotate said chamber, and means to supply combustion gases under pressure from said chamber to said manifold, the nozzles of each auxiliary pair discharging in opposite axial directions and thereby balancing the axial thrusts of said nozzles, and a separate set of blades rotatable with said combustion chamber being provided adjacent each set of fixed blades and coacting therewith.

2,544,419

COMBUSTION CHAMBER WITH WIDE-ANGLE DISCHARGE FOR USE IN PROPULSION APPARATUS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application March 22, 1947, Serial No. 736,445
1 Claim. (Cl. 60—35.6)



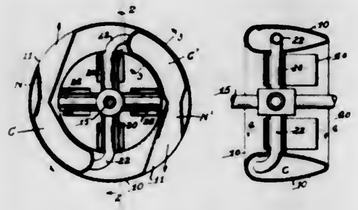
Combustion apparatus comprising a combustion chamber, a discharge nozzle having an included angle of not less than 30°, and means to feed two combustion liquids to said chamber and to cause substantial portions of said liquids to travel along lines which are substantially parallel to the wall of said nozzle as said liquids enter the nozzle and progress therethrough, said combustion chamber and nozzle having a jacket casing spaced therefrom by a plurality of circumferentially-separated and axially-extended partitions defining a plurality of separate jacket spaces, means to feed one combustion liquid to one set of jacket spaces, means to feed a second combustion liquid to the remaining interposed jacket spaces, and each jacket space having spray openings to said combustion chamber through the front end wall of said chamber and directed rearward toward said nozzle.

2,544,420

COMBUSTION CHAMBER IN ROTATING ANNULAR CASING

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application May 7, 1947, Serial No. 746,615
1 Claim. (Cl. 60—41)



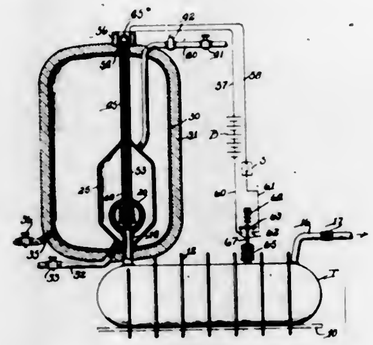
In propulsion apparatus, a rotatable shaft, a coaxial hollow annular casing, means to support said casing for rotation with said shaft but substantially spaced outward therefrom, the leading portion of said casing being substantially semicircular in radial cross section and the remaining portion being rearwardly tapered for streamlining, a plurality of combustion chambers of circular cross section mounted in equally circumferentially spaced relation in the leading portion of said annular casing and said chambers being curved longitudinally to correspond to the circumferential curvature of said annular casing, said casing having spaced peripheral outer openings and said combustion chambers having rearward discharge nozzles entirely enclosed in said casing and angularly disposed with respect to the associated combustion chambers to facilitate discharge from said nozzles through said peripheral openings.

2,544,421

AUTOMATIC CONTROL MECHANISM FOR GAS STORAGE TANKS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application January 2, 1948, Serial No. 78
4 Claims. (Cl. 62—1)



1. In a gas storage apparatus, a gas storage tank, an inner liquid supply tank connected thereto, a liquid storage tank surrounding said inner liquid supply tank, means to fill said liquid storage tank, means to feed an evaporative liquid from said liquid storage tank to said inner liquid supply tank, means to feed liquid from said inner liquid supply tank to said gas storage tank, said first and second feeding means operating alternately, and control devices for said two feeding means which are responsive to pressure changes in said gas storage tank.

2,544,422

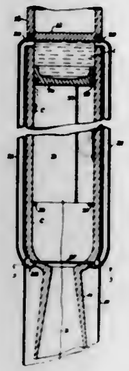
COOLING MEANS FOR A COMBUSTION CHAMBER AND NOZZLE IN WHICH SOLID FUEL IS BURNED

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application May 15, 1948, Serial No. 27,284
1 Claim. (Cl. 60—35.6)

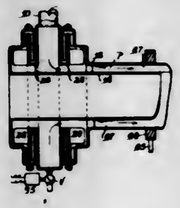
In propulsion apparatus, a cylindrical combustion chamber having a discharge nozzle and containing an elongated solid powder charge which is slidable inward in said chamber and which is of substantially less length than said chamber, a piston slidable in said chamber and engaged by the inner end of said powder charge, said cham-

ber having a closed end member coacting with said piston to enclose a liquid-storage space, an annular casing member mounted on and external to said combustion chamber and positioned ad-



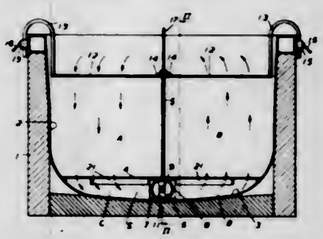
jacent the open outer end thereof, tubular connections from said liquid-storage space to said annular casing member, and spray passages from said annular casing member to the interior of said combustion chamber.

2,544,423
LIQUID-SEALING MEANS BETWEEN STATIONARY AND ROTATED PARTS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 27,285
11 Claims. (Cl. 285—109)



1. Liquid-sealing means between stationary and rotated parts comprising a stationary supply casing having short cylindrical axial extensions and outwardly-extending annular flanges mounted on said extensions and in radial planes perpendicular to the axis of said casing, a rotated delivery member having a rotated annular casing member positioned outside of each stationary annular flange and having a rotated annular flange positioned between said supply casing and each stationary flange and in a radial plane perpendicular to the axis of said member, means to connect the outer edges of the rotated casing members and the associated rotated annular flanges, and a series of vanes on said annular flanges rotating adjacent each stationary flange, whereby leakage is prevented by centrifugal force.

2,544,424
MACHINE FOR TREATING TEXTILE GOODS WITH DYES AND OTHER LIQUIDS
Guy Storr Helliwell and John Leslie Swindall, Leicester, England, assignors to Mellor Bromley & Co. Limited, trading as Samuel Pegg & Son, Leicester, England
Application December 26, 1947, Serial No. 793,802
In Great Britain May 11, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 11, 1966
5 Claims. (Cl. 68—187)



1. A machine for treating textile goods with liquid comprising a tank adapted to receive the goods to be treated, a perforated plate disposed within and spaced from the bottom of the tank to provide a false bottom therefor, at least one partition extending upwardly from the said perforated plate to divide the interior of the tank into separate compartments, additional perforated plates on opposite sides of the said partition at a point above the first mentioned perforated plate for providing lids for the compartments, means adjustably mounted on the tank and adapted to cooperate with said second mentioned perforated plates to maintain said plates in a substantially horizontal position, a tunnel under said first mentioned perforated plate directly below the said partition and being provided with lateral openings in opposite sides thereof, said tunnel dividing the space between the first mentioned perforated plate and the bottom of the tank into sections corresponding with the said compartments, and the sections being in communication with the compartments through said lateral openings, a rotary shaft located within the tunnel, propellers on said shaft and disposed adjacent the said lateral openings, and means for imparting movement to said rotary shaft.

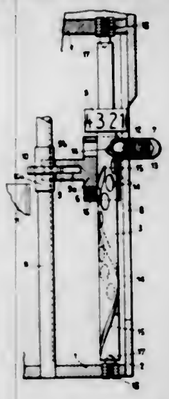
2,544,425
DEVICE FOR SEWING MACHINES
Henrik Nielsen Henriksen, Odense, Denmark
Application February 17, 1948, Serial No. 8,919
In Sweden February 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1964
2 Claims. (Cl. 112—236)



1. A device for sewing machines having a needle-bar and presser foot on a presser foot bar comprising a U-shaped holder removably attached to said presser foot bar, said holder being attached to said bar by means of the screw attaching said presser foot to said bar, a rivet having an enlarged head attached to said holder

on the side opposite the side attached to said presser bar, said enlarged head being arranged internally of said U-shaped holder, a U-shaped hook having an eye formed at one end thereof, said eye being tightly rotatably journalled on said rivet between a side of said holder and said enlarged head, said U-shaped hook member being adjustably rotatable to contact with said needle-bar whereby upon upward movement of said needle-bar said hook member will be contacted thereby and said presser foot bar and said presser foot will be raised with said needle-bar.

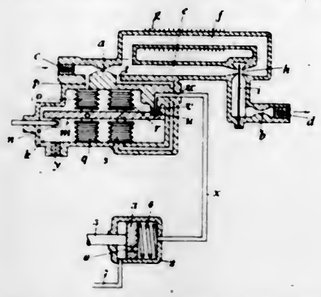
2,544,426
VISIBLE SETTING CONTROL MECHANISM FOR CALCULATING MACHINES
Curt Herzstark, Mauren, Liechtenstein, assignor to "Contina" Büro- und Rechenmachinenfabrik A. G., Mauren, Liechtenstein, a firm
Application April 29, 1949, Serial No. 90,342
In Austria May 15, 1946
2 Claims. (Cl. 235—145)



1. In a calculating machine, a setting mechanism with visible setting control register setting members for setting wheels, the said setting members being so mounted on shafts carrying a control numeral roller, as to be axially slidable, the said setting members being coupled to said shafts, so that when the setting members are operated the control numeral rollers are simultaneously and correspondingly set, the setting members consisting of slidebars provided with lateral extensions projecting toward the center axis of the machine and having two bifurcations, said bifurcations being provided with a recess at their outer ends, said extensions being coupled through said bifurcations in the axial direction of movement of the setting wheels, while slidable bearings on which the setting wheels are fixed, are received by the recess of said bifurcations whereby said setting members are held against rotation.

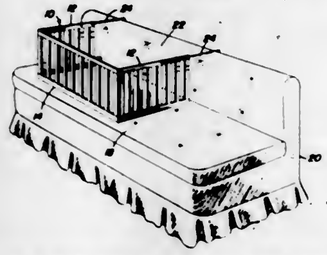
2,544,427
MEANS FOR CONTROLLING THE TEMPERATURE OF HOT GASES
Richard Joseph Ifield, Dural, New South Wales, Australia, and Owen Napier Lawrence, Dorridge, England, assignors to Joseph Lucas Limited, Birmingham, England
Application October 15, 1948, Serial No. 54,755
In Great Britain October 16, 1947
3 Claims. (Cl. 236—79)

1. In means for controlling the temperature of hot gases, an orifice of fixed area, a second orifice of fixed area arranged in series with the first orifice, a pair of passages connected in parallel between the two orifices, cooling means associated with one of said passages, a mixing valve at the junction of said passages adjacent



to said second orifice, a device responsive to gas temperature for regulating said valve, a member responsive to variations of the difference between the pressures at the entrances of the two orifices, and a fluid-operated mechanism responsive to movement of said member.

2,544,428
CRIB ATTACHMENT
John S. Judy, West Point, Iowa, assignor of fifty per cent to Theodore H. Schulte, Fort Madison, Iowa
Application May 12, 1949, Serial No. 92,920
1 Claim. (Cl. 5—94)



In a crib attachment for seats and the like, a pair of side walls provided adjacent their upper edges with vertically spaced horizontal rows of apertures, a pair of seat engaging hooks extending rearwardly from said side walls and having forward portions formed with openings selectively registerable with said apertures, and fastening elements receivable in said apertures and openings, whereby said hooks may be adjusted vertically and horizontally relative to said side walls.

2,544,429
KNITTING NEEDLE WITH LOOP RETAINING ATTACHMENT
Ernst L. Kadisch and Shirley Kadisch, Westwood, N. J.
Application June 2, 1949, Serial No. 96,735
4 Claims. (Cl. 66—117)

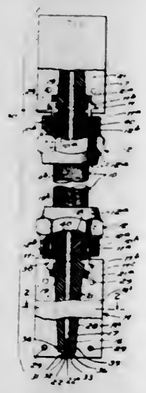
1. In combination with a knitting needle having an elongated needle shank portion and a tip portion, having a chamber opening exteriorly thereof, at one end of the shank portion, a length of flexible and readily stretchable material secured at one end to one of said portions and

normally disposed in said chamber, and means to retain a knitting loop upon said shank portion, comprising a removable member having an opening receiving a section of said tip portion



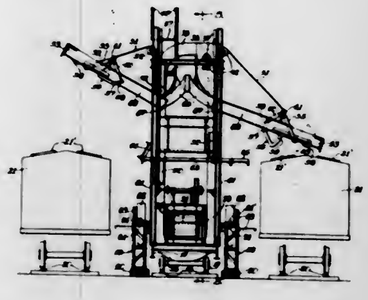
when said removable member is in one position and said length is stretched to extend outwardly of said chamber, said removable member being secured to the other end of said length of flexible material.

2,544,430
METHOD OF MAKING SHIELDED ELECTRICAL CONDUCTORS
George L. McCutchan, Rome, N. Y., assignor to Rome Cable Corporation, Rome, N. Y., a corporation of New York
Original application February 24, 1945, Serial No. 579,625. Divided and this application January 15, 1948, Serial No. 2,378
4 Claims. (Cl. 29—155.5)



1. The improvement in the method of manufacturing radio-shielded leads having a flexible fluid-tight conduit that has a fitting at an end thereof for mechanical attachment of the lead and that has therein a relatively flexible conductor with relatively flexible insulating compound filling the annular space between the conductor and the conduit, said conductor projecting beyond said end of the conduit and beyond the end faces of said relatively flexible insulating compound, the said improvement comprising securing to the end of the conductor a piston-like member, and conforming under pressure an insulating material about the projecting portion of the conductor by means of a mold secured in fluid-tight relation to said fitting and having a mold cavity with an end portion in which said piston-like member is receivable thereby to cause the material under pressure to exert force against said piston-like member to cause it to slide along a conforming cylinder portion of said mold cavity in a direction away from said conduit to hold the conductor against axial movement and against kinking under the drag of insulating material that otherwise would move axially in a direction inwardly of the conduit.

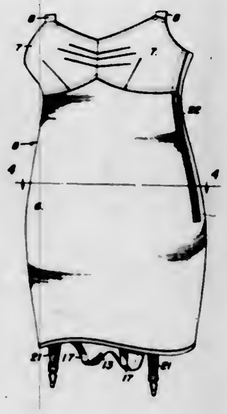
2,544,431
MASTER CAR ICING UNIT
Harold O. McLain, Highland Park, and Albert L. Blatti, Chicago, Ill.; Ruby Catherine Blatti, executrix of said Albert L. Blatti, deceased, assignor to said McLain
Application October 4, 1947, Serial No. 778,004
17 Claims. (Cl. 62—1)



9. A master refrigerator car icing unit comprising a longitudinally extending main frame, a motor mounted on said frame for propelling said unit, an ice breaker and crusher mechanism mounted on said frame, an elevator housing mounted on said frame and extending around said ice breaker and crusher mechanism, there being an opening in said housing for receiving the ice from said ice breaker and crusher mechanism, an endless elevating means mounted in said housing, and a distributing chute communicating with the upper end of said elevating means for discharging the ice therefrom.

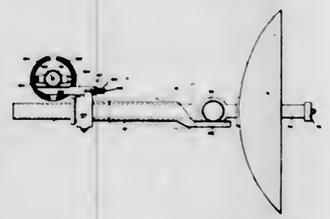
2,544,432
FORM-FITTING UNDERGARMENT
Patrick Joseph Morano, New York, N. Y., assignor to Even-Pul Foundations, Inc., New York, N. Y.
Application June 29, 1949, Serial No. 102,066
2 Claims. (Cl. 2—43)

1. A garment including a circumferentially elastic girdle of form-fitting construction, a pair of vertically elongated floating suspension pieces disposed adjacent the inner surfaces of the respective front and back portions of said girdle, and a crotch piece provided at the lower ends of said suspension pieces, the upper end portions of the suspension pieces being secured to adjacent upper portions of said girdle but the remaining portions of the suspension pieces being completely detached from the girdle whereby downward pressure on said crotch piece may be transmitted by the floating suspension pieces to the



upper edge portion of the girdle and sustained by the latter.

2,544,433
RADAR SCANNER UNIT
Tomlinson I. Moseley, Atherton, Calif.
Application May 27, 1946, Serial No. 672,462
7 Claims. (Cl. 250—33.65)



5. A scanning unit comprising a frame, a spindle journaled in said frame, an antenna carried by said spindle for oscillation about an axis perpendicular to the spindle axis, a gear fixed to said antenna, a rack reciprocably mounted in said spindle and meshing with said gear for oscillating said antenna, means for rotating said spindle and antenna, and variable drive means connected to said rack for reciprocating it at any selected one of a plurality of linear extents along said spindle.

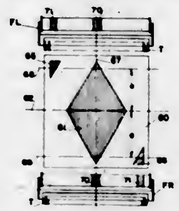
2,544,434
TUBE FRAME FOR AXMINSTER LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 28, 1948, Serial No. 41,003
10 Claims. (Cl. 139—10)

1. In an Axminster tube frame, a carrier bar, spool bearings on the ends of the bar, the latter having a cross section in the form of an inverted isosceles trapezoid symmetrical about a plane passing through said bearings and the longitudinal axis of the bar, the sides of said bar being inclined downwardly and toward each other, and a row of yarn tubes on each of said sides, each yarn tube having a yarn receiving mouth and a yarn delivery mouth, said rows being inclined



downwardly and toward each other and having the delivery mouths aligned and in said plane.

2,544,435
METHOD OF PREPARING YARN SPOOLS AND TUBE FRAMES FOR AXMINSTER LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application July 28, 1948, Serial No. 41,003. Divided and this application August 16, 1949, Serial No. 110,612
2 Claims. (Cl. 28—55.5)

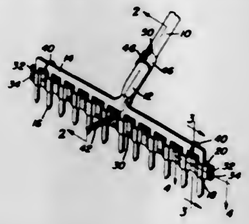


1. The method of preparing yarn spools and tube frames for the transporting chains of an Axminster loom to weave a fabric symmetrical about a central transverse axis thereof and one half of which considered with respect to the central longitudinal axis of the fabric is of a hand opposite that of the other half, said method including the following steps: winding pairs of identical spools in an order corresponding to the order of the rows of tufts in the first half of the fabric, mounting the spools in the order in which they are wound on pairs of tube frames which are reversible in the chains, applying one tube frame from each pair of tube frames to the chains in the order in which the pairs of spools are wound, and reversing the remaining tube frames of said pairs of tube frames and applying them to the chains in an order the reverse of the winding order of said pairs of spools.

2,544,436
CLEANER FOR HAND RAKES
Robert C. Steapleton, Attalla, Ala.
Application March 28, 1949, Serial No. 83,938
1 Claim. (Cl. 56—400.08)

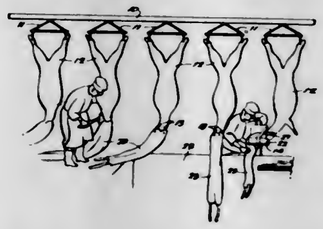
A rake cleaner comprising a pair of complementary plates having longitudinally spaced, opposed arcuate portions adapted to loosely embrace rake teeth, means for fastening said plates together between said arcuate portions, mounting chains secured at one of their ends to said plates and carrying eyes at their other end adapted to

receive a rake head, and a release means for said plates, said release means including an elongated leaf spring having one end extending through



said plates and urging the latter upwardly, the other end of said spring including complementary jaws adapted to be clamped about a rake handle.

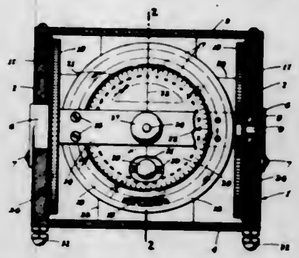
2,544,437
SHEEPSKINNING PROCESS
Robert P. Stow, Downers Grove, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1948, Serial No. 42,423
9 Claims. (Cl. 17—45)



1. In a sheep-skinning process in which the body portion of the sheep carcass is skinned, the steps of drawing the skin from the body portion downwardly to expose the top portion of the skull but without substantially freeing the skin from the top portion of the skull, chopping the top portion of the skull below the skin to loosen the skin thereon, anchoring the free skin portion, and moving the carcass and free skin portion relatively to each other to separate the skin from the skull.

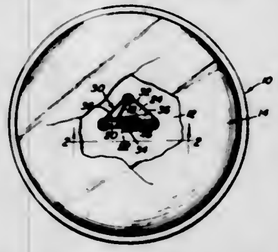
2,544,438
PENDULUM LEVEL WITH TRANSPARENT INDICATORS
Fred J. Allgeo, San Francisco, Calif., assignor of one-half to Stefan Johnson, San Francisco, Calif.
Application September 15, 1947, Serial No. 774,085
2 Claims. (Cl. 33—215)

1. A level comprising a pair of spaced apart supports, a calibrated dial on the inner face of each support, a pair of spaced apart bars pivoted at their ends in the supports co-axially of the dials, a transparent disc on each end of the bars, each disc overlying the dial on one of the supports, a radial hair line scribed on each transparent disc in front of the adjacent dial, a pair of spaced apart transparent discs fixed to the bars with the axes of such last named discs disposed transversely of the longitudinal axis of the bars, a cylindrical pendulum pivoted between the discs co-axially therewith, a calibrated scale on each face of the pendulum, and a hair line scribed on



each of said last named discs in front of the scale on the adjacent face of the pendulum.

2,544,439
GLARE ELIMINATING LAMP UNIT
Lillian M. Asay, Camden, N. J.
Application January 4, 1950, Serial No. 136,799
1 Claim. (Cl. 313—117)

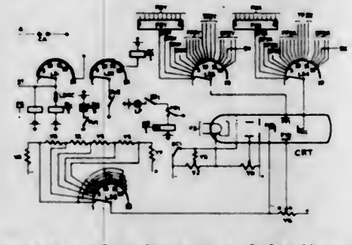


In an electric lamp unit of the type described, the combination of a set of three spaced filament supports disposed in triangular formation and each including a straight base portion and an offset inner portion, a set of two vertically spaced filaments extending horizontally between the inner end portions of said supports, a band extending perimetrically around the base portions of said supports and having overlapped end portions secured together for frictional retention thereof on the supports, and a pair of substantially triangular glare eliminating members integral with and projecting inwardly at longitudinally spaced points from said band, said members having vertically spaced shielding portions extending horizontally in opposite directions forwardly of the respective filaments.

2,544,440
PHOTOGRAPHIC RECORDING APPARATUS
George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application January 16, 1948, Serial No. 2,565
In Great Britain March 1, 1947
9 Claims. (Cl. 346—33)

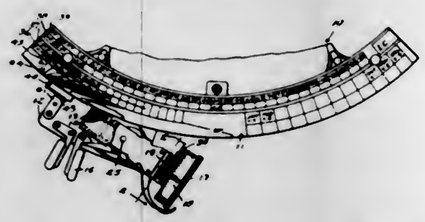
4. Photographic recording apparatus comprising a cathode ray tube, means for displaying a plurality of characters in succession on the screen of said tube, recording means for recording said characters on a photographically-sensitive strip, a uniselector mechanism having a shaft on which are mounted a plurality of wipers, means for rotating said shaft one step on the recording of

each character, means on said shaft for advancing said strip one step on the recording of each character, and means controlled by one of the wipers of said uniselector mechanism for apply-



ing a vertical shift voltage to a deflection of said cathode ray tube to vary the position of appearance of the characters on said screen to enable the characters to be recorded in line.

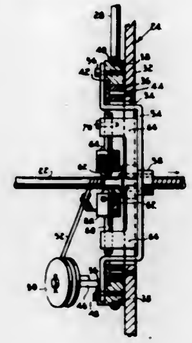
2,544,441
SEXTANT ATTACHMENT
Charles Wesley Baldock, Key West, Fla.
Application April 5, 1948, Serial No. 19,021
1 Claim. (Cl. 116—129)



An attachment for the micrometer adjustment worm shaft and index wheel of a sextant having a bearing for the shaft carried by the index arm comprising a supporting arm fixed to said bearing, a bearing ring carried by said supporting arm and loosely engaging about said shaft adjacent to said wheel, a split ring frictionally engaging about said bearing ring and formed with a peripheral groove, a first pointer carried by said split ring, a segmental member engaging in said groove and slidable therealong, a second pointer carried by said segmental member, and locking means carried by said split ring and engageable with said segmental member for selectively preventing motion of said split ring and said segmental member relative to each other whereby said first and second pointers may be adjusted relative to each other and as a unit relative to said wheel.

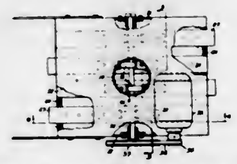
2,544,442
WRAPPING MACHINE
Edward D. Boyce, Cedar Grove, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 23, 1949, Serial No. 89,175
7 Claims. (Cl. 57—3)

1. In a winding machine having a rotated ring through which a substantially coaxial core or the like may move in an axial direction, and having a reel on the ring carrying a tape or strand for wrapping, helically, on the core as the ring rotates; a guide bushing on and concentric with the ring through which the core passes, a pair of opposed idling feed rolls mounted on the ring, the rims of said rolls frictionally engaging the cable adjacent one end of said bushing, and the axes of said rolls being acutely angled to the



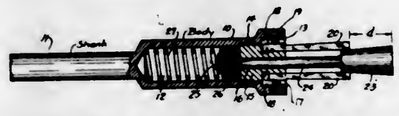
plane of said ring whereby frictionally to enforce axial movement of the cable through said bushing as said ring rotates around said cable.

2,544,443
CRANBERRY PICKER
Carl Ingvald Brateng, Long Beach, Wash.
Application June 7, 1946, Serial No. 675,189
3 Claims. (Cl. 56—330)



1. A cranberry picker consisting of a rectangular box having an open ground engaging bottom, the edges of which are serrated, a plurality of horizontal bars slidably mounted in parallelism across the opposite sides of the box, each of said bars having vertical pegs projecting from the under side thereof, means for reciprocating said bars in alternatingly opposite directions and means for drawing a partial vacuum through the top of said box.

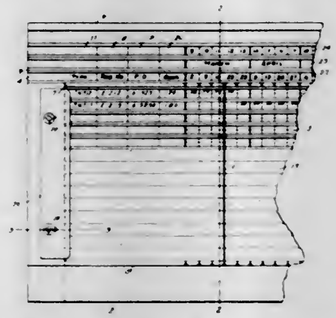
2,544,444
BEVEL RECESSING REAMER
Louis M. Clark, Fort Collins, Colo.
Application April 11, 1947, Serial No. 740,892
2 Claims. (Cl. 145—114)



1. A bevel recessing reamer comprising, in combination, an elongated body having an axial opening extending inwardly from one end, the other end having a shank, the wall of the opening having a short threaded section positioned a short distance inwardly from said one end, the portion between the threaded section and said one end having a diameter greater than the root diameter of the threads, a plug having a threaded

portion engaged in the threaded section, and a portion of greater diameter, said portion of greater diameter having a plurality of longitudinally extending grooves, cutter blades positioned in the grooves the grooved portion of the plug being positioned in the enlarged outer end of the body, the wall of which serves to close the grooves and secure the cutter blades therein, means providing a pivotal connection between the blades and the plug adjacent the inner ends of the notches, whereby the blades are free to spread, the plug having an axial opening, an outwardly flaring spreader cone having an axial rod-like member extending through the opening in the plug, an enlarged head on the inner end of said rod limiting its outward movement, and a compression spring positioned in the axial opening of the body in abutting relation with the bottom of the opening and the enlarged head, the force of the spring normally holding the cone in its outermost position.

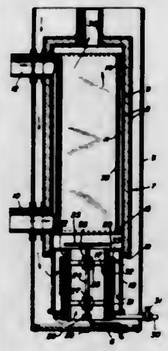
2,544,445
PRODUCTION CONTROL BOARD
Alvin B. Corzilius, Lawrence Park Township, Erie County, Pa.
Application July 24, 1946, Serial No. 685,830
6 Claims. (Cl. 35—24)



1. A production control board comprising a slidable strip having equally divided date and chronologically numbered time divisions, insertable individual order slips having equal divisions for alignment with the divisions in said first mentioned strip, and a second sliding strip having corresponding time divisions chronologically numbered on either side of a center point disposed adjacent said first sliding strip for changing the entire production schedule forwardly or backwardly, all of the divisions in said strips being equal and being adapted for vertical alignment.

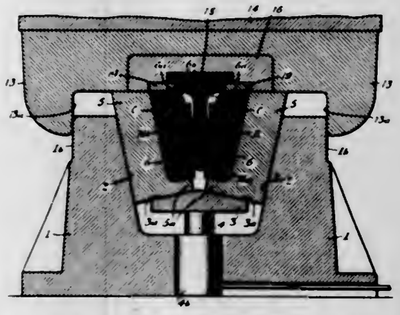
2,544,446
AIR HEATER FOR MOTOR VEHICLES
Walter D. Cullen, Cleveland, Ohio
Application June 23, 1948, Serial No. 34,667
4 Claims. (Cl. 126—67)

3. A heater for motor vehicles comprising inner and outer shells in spaced relation to each other, a burner supported by and extending from the lower end of the inner shell and having draft openings, a flue at the top of the inner shell, said outer shell being closed at its bottom and open at its top to provide a downdraft for air supplied to the draft openings of the burner, upper and lower plates in the inner shell forming an air chamber therein, inlet and outlet tubes leading from the air chamber outwardly through one side of the inner and outer shells, and fire tubes



extending vertically through the plates and through the air chamber.

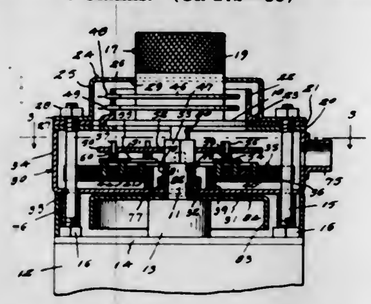
2,544,447
APPARATUS FOR PRODUCING SHAPED SECTIONS
William R. Dodds, Paterson, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 24, 1944, Serial No. 565,007
1 Claim. (Cl. 78—60)



Forming apparatus comprising fixed and movable die members for producing an elongated shaped blank, said fixed member having an elongated longitudinally extending channel, the longitudinal side walls of which extend in converging directions toward the inner part of said channel, a pair of elongated die blocks movably mounted in said channel and movable toward and from each other along said converging sides in response to movement thereof into and from said channel, fluid pressure operated means tending to move said die blocks partly from said channel so as to cause said blocks to rise from the channel and to separate from each other, the protruding ends of said die blocks being adapted to support a blank workpiece, an elongated blade-like punch constituting an integral unit carried by the movable die member, said punch being movable toward and between said die blocks, said movable die member after movement of said punch between said die blocks engaging said protruding die blocks and moving them into said channel against said pressure means and thereby causing said die blocks to move toward each other so as substantially to enclose the aforesaid punch blade,

and flange elements rigid with said movable die member engageable with the outer edges of said fixed die member as said movable and fixed die members are moved toward one another, whereby the fixed die member, having said channel therein, is constrained against lateral displacement by said flange elements as lateral stress is developed therein during die closing by the said movement of said die blocks toward one another.

2,544,448
MOTOR OPERATED VALVE SHAFT
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa.
Application April 11, 1945, Serial No. 587,699
7 Claims. (Cl. 172—36)

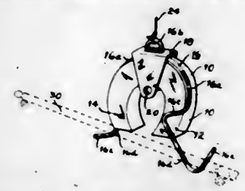


1. A valve operator including a valve housing, a shaft, an electric motor coupled to said shaft, said motor including irreversible speed reducing gearing means supporting said motor from said housing, said supporting means including an annular flange carried by said motor, an annulus engaging one side of said flange, means fixedly supporting said annulus from said housing, and means frictionally clamping said flange on said annulus whereby said motor may be bodily rotated relative to said housing to thereby adjust the position of said shaft.

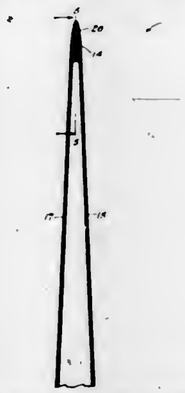
6. In a valve structure having a housing and a valve plug shaft; a second housing fixed to said first housing and engaging about said shaft, a dielectric contact plate in said second housing, inner and outer circular contacts carried by said plate, circumferentially spaced apart arcuate contacts on said plate between said circular contacts a contact carrier fixed relative said shaft, a pair of spring-pressed bridging contacts carried by said carrier, one of said pair of contacts engaging said outer circular contact and progressively engageable with said arcuate contacts, the other one of said pair of contacts engaging the inner circular contact and also engaging selected ones of said arcuate contacts, a motor connected with said plug shaft and with said circular contacts, and means supporting said motor from said second housing.

2,544,449
MAGNETIC RETRIEVER
Milton S. Dunkelberger, Dayton, Ohio
Application April 6, 1948, Serial No. 19,292
5 Claims. (Cl. 294—65.5)

1. A retrieving magnetic assembly including a magnet, a grappling hook member associated with the magnet, said member being provided with a loop used in supporting the magnet, and means for attaching said member to the magnet, said member terminating in a pair of hook-like portions one adjacent each pole of the magnet adapted to hook an object attracted to the magnet, the hooks engaging the object so as to retrieve the same.



2,544,450
CLOSURE FOR HOLLOW PROPELLER BLADE TIPS
Louis H. Enos, Montclair, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 9, 1946, Serial No. 668,579
5 Claims. (Cl. 170—159)

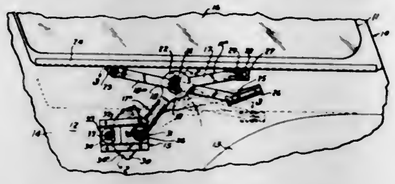


2. In combination, a hollow metallic propeller blade comprising a shell open at its outer end, and a rubber-like solid plug of yieldable material fitted within the shell at its outer end and bonded to the interior surface thereof, said plug extending a short distance of less than the blade thickness beyond the end of said metallic blade, and serving both to provide a closure for said blade and to damp vibration of the blade plates in the tip region thereof.

2,544,451
WINDOW REGULATOR MECHANISM
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application September 13, 1947 Serial No. 773,781
1 Claim. (Cl. 268—126)

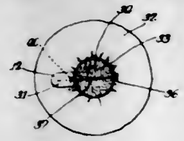
A window regulator mechanism adapted to be mounted in a window well for lowering or raising the window panel into and out of said well in a direction oblique to the vertical, said regulator comprising a pair of unitary levers interpivoted intermediate their ends, one of said levers comprising a bell crank having a pair of rigidly connected arms extending from the pivotal connection at an oblique angle to each other, and the other lever being rectilinear and extending in a straight line across the pivot point, guide means

slidably and pivotably connecting one arm of the bell crank lever to the lever edge of the window panel, fixed pivotal means for mounting the other end of the bell crank lever in the window well, means pivotably connecting one arm of the rectilinear lever to the lower edge of the window panel and guide means slidably and pivotably



mounting the other end of the rectilinear lever comprising a straight guide slot extending in a line inclined with reference to the lower edge of the window which line passes through the fixed pivotal mounting of one arm of the bell crank lever, and the slidable connection between the bell crank lever and the window edge being parallel to the window edge.

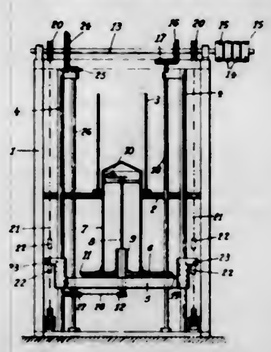
2,544,452
BAG SEAL
Peter P. Fryah, Chicago, Ill.
Application March 15, 1946, Serial No. 654,659
9 Claims. (Cl. 292—307)



2. A sealing device for the mouth of a container when gathered into a constricted neck, comprising a pin adapted to be pierced through said neck, an eye integrally formed with one end of said pin, a cord loop adapted for encompassing said neck, said loop being passed through said eye, and a seal casing, the free end of said pin being passed into said casing for engaging the same therewith, the ends of the cord defining said loop being passed into said casing and knotted therewithin, said casing being composed of a pair of complementary interlocking sections affording access to the interior thereof for tying said knot, and preventing access to the interior thereof for tampering with said knot when said sections become interlocked.

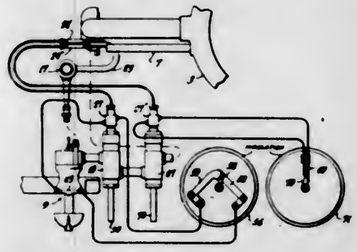
2,544,453
MACHINE FOR MANUFACTURING PIPES
Armand Théodore Gaudin, Montrouge, France
Application January 8, 1946, Serial No. 639,768
In France September 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 19, 1961
4 Claims. (Cl. 25—36)

1. In a machine for the manufacture of pipes or like structures of agglomerated materials, the combination of a mould casing, a sliding platform, a driving shaft adapted to rotate in a clockwise and anti-clockwise direction and transmitting its movement to the platform by means of two respective transmissions adapted to rise or to lower said platform, a core mounted upon said platform and coaxial with said mould casing, said core being fitted with a crown-spur-wheel, a secondary shaft controlled by the driving shaft, and a pinion keyed on said secondary shaft and ro-



tating with the same, said pinion being adapted to move longitudinally along said shaft while gearing into said spur-wheel so as to follow the vertical displacements of the core.

2,544,454
AUTOMATIC LIGHTING AND CONTROL MEANS FOR GAS BURNERS
Frank A. Gauger, Milwaukee, Wis.
Original application February 5, 1944, Serial No. 521,201, now Patent No. 2,517,782, dated August 8, 1950. Divided and this application February 8, 1946, Serial No. 646,263
2 Claims. (Cl. 161—9)



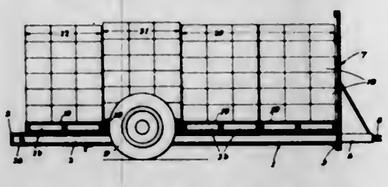
1. The combination of a main burner, a pilot burner therefor, a thermocouple adapted to be heated by said pilot burner, a valve adapted to be manually opened and biased towards closed position and controlling the flow of fuel to said main burner, electromagnetic means connected in a circuit with said thermocouple and energized from said thermocouple for holding said valve in open position, said electromagnetic means being ineffective to cause opening of said valve, a clock controlled switch means for opening the circuit of said thermocouple, a second thermocouple heated by said pilot burner, a second valve connected in series with first mentioned valve and said main burner and biased towards open position and manually movable to closed position, a second electromagnetic means for holding said second valve in closed position and connected in a circuit with said second thermocouple, said second electromagnetic means being ineffective to cause closing of said second valve, and a clock controlled switch means for opening the circuit of said second thermocouple.

2,544,455
METHOD OF MAKING PRINT ROLLS
Joseph M. Goulding, Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application October 31, 1945, Serial No. 625,846, which is a division of Serial No. 540,040, June 13, 1944. Divided and this application August 21, 1947, Serial No. 769,921
7 Claims. (Cl. 29—148.4)



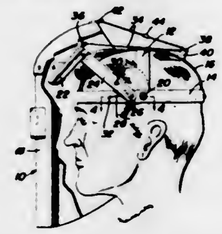
1. The method of forming a print roll or the like having a tubular metal shell surrounding a laminated core, which method comprises forcing into said shell from one end thereof preformed flat bendable laminations of greater diameter than the inner diameter of the shell to cause said laminations when so entered into said shell to be cupped with their concave sides facing said end of the shell and with their peripheries in slidable contact with the inner surface of the shell for sliding longitudinally of the latter, and, after the laminations are so entered into the shell, subjecting the mass of cupped laminations to pressure applied longitudinally of the shell over substantially the entire transverse cross-section of said mass for moving individual laminations longitudinally of the shell for compacting said mass and for flattening the laminations for forcing their peripheries into intimate contact with the inner surface of the shell whereby to bind the shell to the core.

2,544,456
LOW BED VEHICLE
Leslie C. Gross, Hughson, Calif.
Application December 14, 1946, Serial No. 716,285
3 Claims. (Cl. 214—83.24)



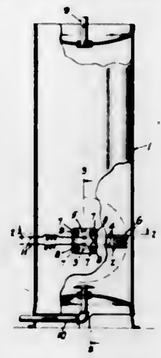
1. A vehicle comprising a low, longitudinal bed, transversely spaced wheels supporting the bed on opposite sides and intermediate its ends, the bed being disposed below the high points of the wheels, and means arranged with the bed adapted to normally support a portion of a load between the wheels for transport and for movement lengthwise of the bed to a position clear of the wheels for unloading; said means including a carriage movable along the bed from a normal advanced position between the wheels to a retracted position to the rear thereof, and a cable unit connected between the carriage and rear portion of the bed operative to retract the carriage.

2,544,457
WELDING HELMET
Walter R. Harrington, Rising Sun, Md.
Application December 12, 1949, Serial No. 132,466
2 Claims. (Cl. 2—8)



1. In a welding helmet, the combination of a frame adapted to be positioned on a welder's head, a face mask pivoted to said frame and swingable from a face shielding position to an inoperative position above the head, an eye shield pivoted to said frame and swingable from an eye shielding position to an inoperative position above the eyes, a guide mounted on said frame, and a flexible connecting element passing around said guide, one end of said element being attached to said mask and the remaining end thereof being attached to said eye shield whereby the eye shield is lowered when the mask is raised and whereby the eye shield is raised when the mask is lowered.

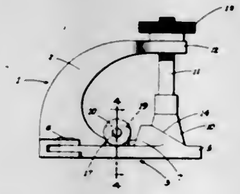
2,544,458
SELECTIVE CAPACITY WATER HEATER
Waldo W. Higgins, Kankakee, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 13, 1948, Serial No. 64,955
5 Claims. (Cl. 219—39)



1. In a hot water tank adapted for providing selected quantities of hot water, an electric heat-

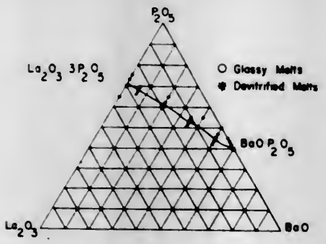
ing element comprising a non-heating support mounted in an opening in the wall of said tank and projecting inwardly of the tank with the inner portion thereof offset laterally from said opening, a heating coil extending within said tank from the offset portion of said support, and means to rotate the support to move said heating coil to a plurality of selected heating positions within the tank to supply selected quantities of hot water under stratification of the water wherein the water above the heating coil is hot and the water below the heating coil remains relatively cold.

2,544,459
SURGICAL CLAMP FOR CIRCUMCISING
Harry M. Kanner, Sacramento, Calif.
Application June 18, 1948, Serial No. 33,793
4 Claims. (Cl. 128—346)



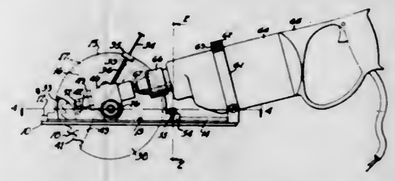
1. A surgical clamp comprising a generally C-shaped body including an outer arm and an inner arm, a base on the inner arm facing the outer arm, said base having a bore therethrough, the axis of the bore extending toward the outer arm and said bore tapering in said direction, a cone removably engaged in said bore, and a clamping device connected between the cone and the outer arm; the face of the base forming an exposed cutting surface about the cone, said cutting surface being diagonal to the axis of said bore and cone.

2,544,460
HIGH INDEX PHOSPHATE GLASS
Norbert J. Kreidl, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 23, 1947, Serial No. 756,546
3 Claims. (Cl. 106—47)



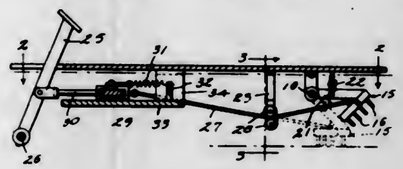
3. An optical glass composition consisting of approximately from 42% of barium metaphosphate and 58% of lanthanum mataphosphate to 75% of barium metaphosphate and 25% of lanthanum metaphosphate.

2,544,461
SAW ATTACHMENT FOR DRILLS
Ammon M. Leitzel, Portland, Oreg., assignor to Future Products, Portland, Oreg., a corporation of Oregon
Application May 25, 1948, Serial No. 29,043
1 Claim. (Cl. 143—43)



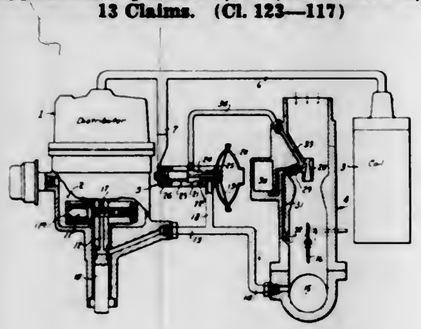
An attachment for electric drills consisting of a base plate having a longitudinal saw slot formed along one edge, and having a rounded rib at each end of the plate in line with the slot, a saw frame having concave portions resting on said rib, a screw for clamping said frame on said base in desired angular relation thereto, a sleeve rockably mounted in said frame, a set screw for fixing the relation of said sleeve and frame, a saw arbor journalling in said sleeve, a circular saw on said arbor extending through said base slot, spiral gears mounted in said sleeve, one of which is on said arbor and the other having a shaft which projects from said sleeve normal to said arbor, a saddle formed on one end of said frame in which an electric drill can rest while said projecting shaft is held in the chuck of said drill and a band clamp for holding said drill in said saddle.

2,544,462
BRAKE ATTACHMENT
Bernard Lipnicki and Romuald Lipnicki, Newington, Conn.
Application December 18, 1947, Serial No. 792,490
1 Claim. (Cl. 188—5)



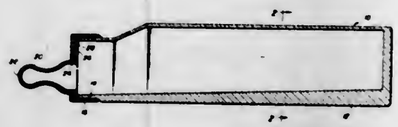
A snow or ice brake attachment for vehicles comprising a shaft, hanger means supporting said shaft beneath a vehicle, a pair of L-shaped brake shoes disposed with one side thereof parallel with the length of the vehicle and the other side thereof extending inwardly a plurality of brake pins depending from said inwardly extending arms, an arm fixed to each brake shoe and rockably engaging said shaft adjacent the opposite ends thereof disposed forwardly of said shoes, spring means normally holding said shoes in upper inoperative position, a pedal forwardly of said shaft, a transversely disposed equalizing bar, a pair of flexible members connected between said bar and said arms, guide means for said flexible members, a link connected between the central portion of said bar and said pedal, and a spring fixed at one end to the vehicle and at the other end to the central portion of said bar for constantly urging the latter rearwardly.

2,544,463
INTERNAL-COMBUSTION ENGINE SPEED CONTROL
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application September 3, 1949, Serial No. 113,925
13 Claims. (Cl. 123—117)



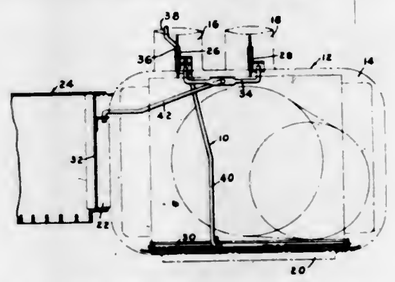
1. In combination with an internal combustion engine having a suction passage, an ignition circuit for the engine, a ground for said circuit, a normally open switch in said ground, a suction device having connections with said switch and operable by suction action in said passage to close said switch, and means normally venting said suction device to render it inoperative to close the switch and being automatically operable at a predetermined engine speed to close the vent of said last means to render such suction device operable to close said switch.

2,544,464
NURSING BOTTLE FOR BABIES
Charles S. Matthews and Lewis L. Copley, Durham, N. C.
Application May 24, 1948, Serial No. 28,806
1 Claim. (Cl. 215—11)



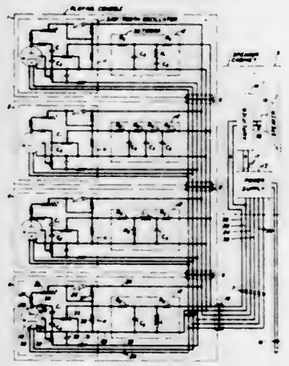
A feeding bottle for children comprising a receptacle having an open end and at least one flat wall, the inside surface of said wall sloping toward the open end of said receptacle to ensure liquid flow from the receptacle when the receptacle is horizontal, a closure removably disposed on the open end of said receptacle and having an aperture therein off centered with respect to the top of the closure and disposed close to said flat wall, a nipple having a flange extending therefrom, said flange being disposed between the open end of said receptacle and said closure, a disk of resilient material having a flange, and the disk flange being disposed between the open end of said receptacle and said closure so that said closure maintains the nipple and said disk fixed at the open end of said bottle, and a holder fixed to said disk and passed through the aperture in said closure.

2,544,465
AIR DISTRIBUTING DUCT
Victor E. Matulaitis, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 2, 1947, Serial No. 777,508
4 Claims. (Cl. 98—2)



2. A vehicle heater air distributor comprising a casing having an air inlet opening, a pair of windshield defroster air outlet openings, and two other air outlet openings disposed in the casing at right angles to one another, a heater core disposed substantially centrally within the casing, a pair of similar valves one for each of the defroster air outlet openings, means interconnecting the valves, an air control valve for each of the other outlet openings, a link extending from the interconnection of the defroster valves to one of the other valves, and another link extending transversely of the first link interconnecting the defroster valves to the other valve.

2,544,466
ELECTRONIC MUSICAL ENTERTAINMENT DEVICE
Larned A. Meacham, New Providence, N. J.
Application April 27, 1950, Serial No. 158,546
9 Claims. (Cl. 84—1.17)



1. An electronic musical instrument comprising a plurality of self-oscillating electronic sources of electric waves, rotary manual means for independent frequency variation of each of said sources over a continuous range of at least one octave, means for independent amplitude variation of each of said sources, means for independent interruption of each of said sources, means for combining the electric waves of said sources, and an electromechanical transducer for converting the sum of said waves into sound,

whereby a plurality of players, respectively controlling said sources, may produce polyphonic music.

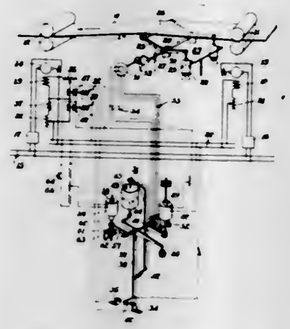
2,544,467

TENSION CONTROL SYSTEM

Mathias Michel, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Continuation of application Serial No. 521,947, February 11, 1944. This application January 31, 1947, Serial No. 725,709

5 Claims. (Cl. 80—35)



1. In a tension control system for tandemly arranged strip operating devices, in combination, a driving motor for at least one of said devices, speed controlling means for said motor, a strip deflecting element having a normal operating position and a temporary operating position for subjecting the length of strip extending between said devices to a normal tension and to a temporary tension, respectively, means for imposing substantially constant operating pressure on said deflecting element in both operating positions thereof, said deflecting element being movable from one to the other of said operating positions responsively to a momentary motor speed change, regulator means for controlling the operation of said speed controlling means responsively to fluctuations in said normal strip tension and in said temporary strip tension to maintain the respective values of said tensions substantially uniform, electromagnetic means operatively associated with said regulator means for actuating the same to effect said momentary change in motor speed, whereby said deflecting element is moved from one of said operating positions to the other, means for selectively rendering said electromagnetic means operative and inoperative, and means providing a lost motion operating connection between said electromagnetic means and said regulator means, whereby regulatory operation of the latter is normally unaffected by said electromagnetic means in its inoperative condition.

2,544,468

ROLLER GEARING FOR DRAFTING MECHANISMS FOR TEXTILE FIBERS

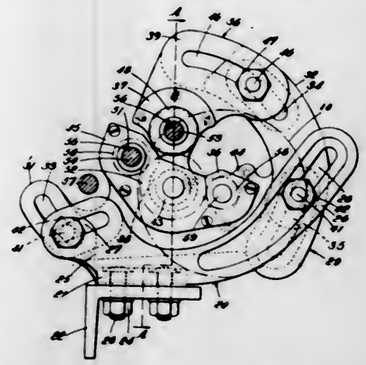
Joseph Noguera, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England, a British company

Application October 17, 1945, Serial No. 622,766

In Great Britain October 19, 1944

5 Claims. (Cl. 19—130)

1. Means for supporting gearing for the drafting rollers in drafting mechanism for textile fibres, said gearing including a back roller pinion, a middle roller pinion, a compound pinion and a double carrier wheel, said double carrier wheel being in mesh with both said back and middle roller pinions and with said compound pinion, said means comprising a double-armed member secured on a fixed part of the drafting mechanism, a bracket for supporting said middle roller pinion, said compound pinion and said



double carrier wheel so that they are constantly in mesh, said bracket being attached to said double-armed member so that it can be adjusted in arcs extending about the axis of said middle roller pinion and a further device for supporting said back roller pinion so that it is constantly in mesh with said double carrier wheel, said further device being adjustably supported on said bracket.

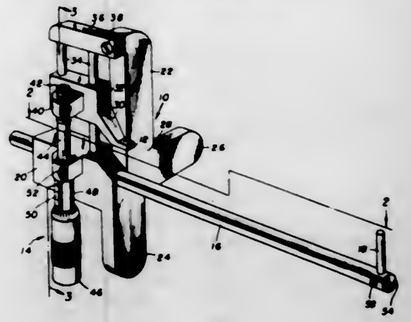
2,544,469

PRECISION ANGLE AND INTERNAL TAPER GAUGE

Carl T. Olson, Belle Vernon, Pa., assignor of fifty per cent to Hugo W. Nahl, Monessen, Pa.

Application March 20, 1947, Serial No. 735,867

3 Claims. (Cl. 33—174)



2. A precision tool comprising a body member having a flat face, an anvil projecting beyond said face and slidably mounted on said body member for movement along said face, a gage mounted on said body member and operatively connected with said anvil for metering said movement, a distance bar extending normal to said face and slidably mounted on said body member for metered adjustment in a direction normal to said face, and an anvil on the outer end of that part

of said distance bar extending from said face, said second mentioned anvil being a rod removably mounted on said distance bar and rightangularly disposed thereto.

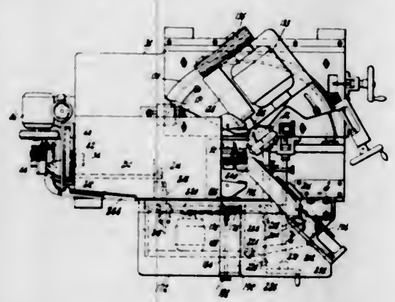
2,544,470

MACHINE FOR BREASTING LOUIS HEELS

Ralph Howard Pettengill, deceased, late of Georgetown, Mass., by Rita M. Pettengill, executrix, Georgetown, Mass., and John W. Sjostrom, Haverhill, Mass., assignors to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts

Application January 29, 1949, Serial No. 73,632

8 Claims. (Cl. 12—47.1)



1. Apparatus of the class described, comprising a base, a bearing member hinged on said base to rock on a horizontal axis, a horizontal shaft journalled in said bearing member, means for rotating said shaft, a turret head mounted on said shaft, a work holder mounted on said head and spaced from the axis of said shaft whereby to move in a circular path about said axis, a cam disc mounted on said shaft and a fixed cam follower mounted on said base in engagement with said cam, the bearing member being arranged above its hinge axis with its center of gravity horizontally offset toward said cam follower whereby the cam is kept pressed against the follower, and a tool mounted in an adjustably fixed position adjacent to the path of said work holder.

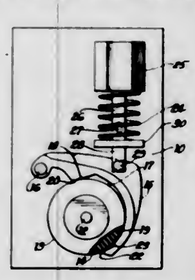
2,544,471

DUAL-PURPOSE BRAKE MECHANISM

Lee S. Rither, Chicago Heights, Ill.

Application February 11, 1949, Serial No. 75,774

7 Claims. (Cl. 188—82.8)



1. A dual purpose brake mechanism adapted normally to hold a shaft stationary and then, upon release, to impart to said shaft a small increment of rotational movement, and comprising, in combination, a brake drum secured to said shaft, a brake arm and shoe element of substantially rigid construction and having a brake shoe portion facing the drum, said brake arm and shoe element being mounted for swinging movement in the general plane of the brake drum so that the brake shoe portion moves about an axis spaced outwardly of the drum periphery toward and from engagement with the said periphery, said brake drum having a layer of resilient friction material secured to the peripheral surface thereof, said brake shoe portion having spaced drum engaging surfaces disposed to provide gripping action against the drum surface when in contact therewith, said brake shoe portion having a tip at the end thereof remote from said axis which is so disposed on said element and with reference to said drum and axis that it laterally crosses a diameter of the drum which is aligned with said axis while in firm frictional contact with the drum surface.

2,544,472

PREPARATION OF DIBORANE

Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application February 6, 1945, Serial No. 576,502

18 Claims. (Cl. 23—204)

1. A process of preparing diborane which comprises reacting an alkali metal hydride and a boron halide.

18. In the preparation of diborane, the steps which comprise bringing together finely divided lithium hydride and boron fluoride in the presence of ethyl ether, heating the ether to expel the resulting diborane, subjecting the distillate to a condensing temperature to separate ether and fluoride from the diborane, and removing the diborane from the condensing zone.

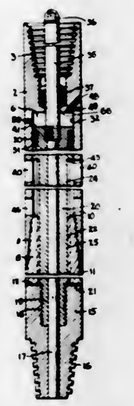
2,544,473

HYDROSTATIC ROTARY JAR

Lester W. Smith, Corpus Christi, Tex.

Application May 24, 1946, Serial No. 671,920

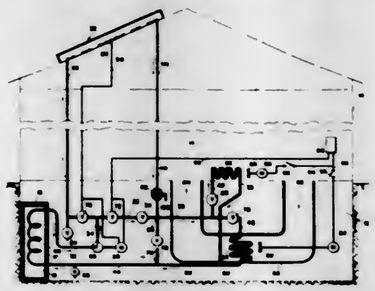
2 Claims. (Cl. 255—27)



1. In a hydraulic jar for wells, the combination of, a body having upper and lower transverse

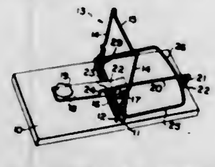
closure portions combining with the body wall to enclose a cylindrical chamber terminated by upper and lower internal shoulders, a tubular element extending axially through said body, port means through said body adjacent the lower end of said chamber, the upper end of said body enclosing an open space above said upper closure portion and being adapted for connection to the well operating pipe into which said element extends and the lower end of said element being adapted for connection to an object to be jarred, said element including a piston thereon between said shoulders and operable within said chamber above said port means when proximate the upper end of said chamber, and relief port means connecting said chamber above said piston and the exterior of said body, an upward pull on the pipe creating vacuum in said chamber above said piston until said port means moves upwardly past said piston and is uncovered to break the vacuum, the stretched pipe contracting when the vacuum is broken to jerk said body upwardly to bring said lower shoulder into jarring contact with said piston to jar said object, fluid entering said chamber above said piston after the vacuum is broken being forced out said relief port means when said body is lowered with relation to said piston, said tubular element including a tubular portion extending into said open space and having opening means in the upper end thereof to permit fluid to flow downwardly through said tubular element, there being means within said body above said upper shoulder to seal around said tubular portion to prevent fluid from passing between said open space and said chamber while permitting said tubular portion to slide therethrough.

2,544,474
HEATING SYSTEM
John R. Swanton, Jr., Newton, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application August 13, 1947, Serial No. 768,389
9 Claims. (Cl. 237—1)



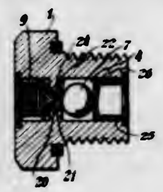
1. A heating system comprising, in combination, a space to be heated, a surface arranged to receive solar radiation, a single heat transfer medium, a continuous closed conduit in which said medium travels and is confined, and a reservoir containing a stable heat storage medium having a latent heat of fusion of at least 60 gram calories per cubic centimeter and a transition point at least 10° F. above the temperature to which said space is to be heated; means for causing said heat transfer medium to flow in said conduit in heat exchange relation with said surface when said surface is above a predetermined temperature and thence in said conduit into means for effecting out-of-contact heat exchange relation with said heat storage medium; and means for causing said heat transfer medium to flow in said conduit in heat exchange relation with said space to be heated when said space is below a predetermined temperature and thence in said conduit into means for effecting out-of-contact heat exchange relation with said heat storage medium.

2,544,475
MOUSETRAP ATTACHMENT
William A. Uttz, Fort Worth, Tex.
Application November 28, 1949, Serial No. 129,849
3 Claims. (Cl. 43—81)



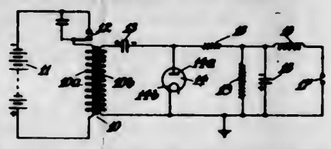
1. An attachment for a mouse trap having a spring actuated U-shaped striker forming a part thereof and having a shaft pivotally connected to the corresponding ends of the open end of said U-shaped striker, said attachment comprising a length of wire in the form of an inverted U, the end of said wire being formed with reverse bent portions adapted to engage the sides of the striker and having at least one free end portion extending at right angles to the plane of said U and adapted to be positioned across the shaft of the trap.

2,544,476
AIR OR GAS RELIEF VALVE
John Daniel Eldret Venning, Alton, England, assignor to John Venning & Company Limited, Alton, England, a British company
Application February 7, 1945, Serial No. 576,521
In Great Britain August 10, 1944
7 Claims. (Cl. 277—45)



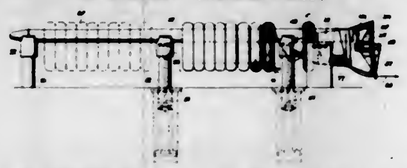
4. In a relief valve, a body having an axial bore providing an inlet and an outlet, a valve member in said bore, an apertured abutment in said bore and having on the side facing the inlet a valve seat for said valve member, a piston in said bore, and engaging said valve member and having means permitting leakage of air and gas but not liquid while said valve member is distant from said seat, a second seat formed on the opposite side of said abutment, a second valve member engaging said second valve seat and barring return flow to the first side of said abutment, a distance member slidably disposed in said abutment aperture cooperating with the valve members and of such length as to hold said valve members apart, and spring means acting on said first valve member through said second valve member and said distance member.

2,544,477
SPARK TYPE IGNITION SYSTEM FOR COMBUSTION ENGINES
Harold Edward William West, Allestree, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application December 28, 1949, Serial No. 135,443
In Great Britain January 4, 1949
9 Claims. (Cl. 315—242)



1. For use in initiating combustion of fuel in a gas-turbine engine, a spark ignition system comprising a spark type ignition device having electrodes between which a spark passes; an electrical sparking circuit consisting only of the said electrodes and in series therewith an accumulator condenser of large capacitance; a source of high potential electrical impulses; and electrical charging circuit means connecting said source with said condenser to charge the condenser by a plurality of successive high potential impulses step by step to the breakdown potential of the electrodes to produce successive sparks across said electrodes at untimed intervals and further including a rectifier device to prevent discharge of the condenser through the charging circuit means.

2,544,478
HANDLING AND PAYOFF APPARATUS FOR COILED STRAND MATERIAL
Joseph C. Yedlicka, Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1948, Serial No. 27,713
15 Claims. (Cl. 242—128)



1. In apparatus for handling coiled strand material, an elongated coil supporting member, a device at one end of said member for controlling axial withdrawal of the strand from an adjacent coil supported on said member, and at least three retractable supporting devices located at spaced points along said member and supportingly engaging the member to hold the same in a raised substantially horizontal position, each of said supporting devices being movable away from said member to permit loading of coils onto said member and their movement therealong into unwinding position adjacent said control device.

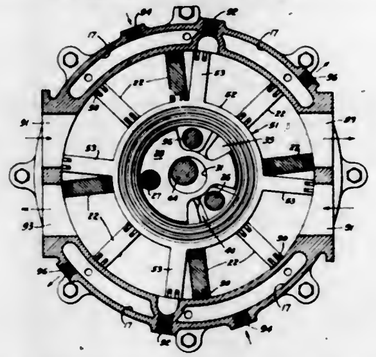
2,544,479
FINGERNAIL TRIMMER USING SAFETY RAZOR BLADES IN A NOTCHED BLADE HOLDER
Joseph A. Zengel, Seattle, Wash.
Application October 1, 1947, Serial No. 777,160
7 Claims. (Cl. 30—27)

1. A finger nail trimmer comprising two side plates disposed in side by side parallel relation and adapted to receive therebetween a relatively thin flat safety razor blade; an integral resilient loop portion at one end of said holder connecting said two side plates and resiliently urging



said two side plates together to thereby clamp and hold the blade; and registering notches of relatively narrow width in edge portions of said side plates, said notches exposing a short length of the cutting edge of the blade.

2,544,480
ROTARY DISPLACEMENT DEVICE
Charles Bancroft, New Canaan, Conn.
Application January 13, 1945, Serial No. 572,611
2 Claims. (Cl. 103—129)

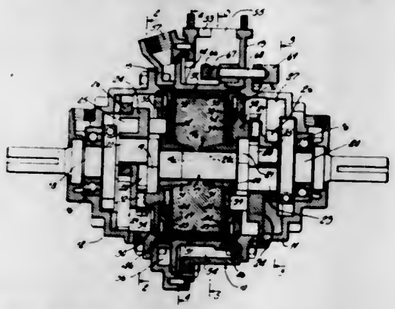


1. In an apparatus of the character described, a stator, at least three piston sets rotatably mounted in said stator as a unit and having a limited rotation with respect to one another, one of said piston sets including a central annular portion concentric with at least a portion of said stator and defining with said portion an annular piston channel, two other piston sets each having a wall closing a side of said annular piston channel and defining a fluid pressure chamber with said stator on that side of said wall opposite to said channel, a crankshaft rotatably mounted in said stator, a connecting member rotatably mounted on said crankshaft, coupling means between each piston set and said connecting member, and means for controlling rotation of said connecting member on said crankshaft.

2,544,481
ROTARY DISPLACEMENT DEVICE
Charles Bancroft, New Canaan, Conn.
Application April 24, 1947, Serial No. 743,517
7 Claims. (Cl. 103—129)

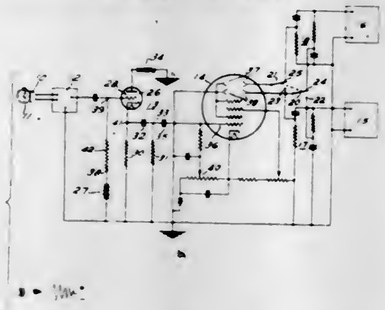
1. A device of the character described comprising a ring cylinder including two spaced circular wall members and an annulus enclosing said wall members, a crank shaft having a pin coaxial therewith and extending between said wall members, a casing rotatably supporting said annulus and said crank shaft and formed with a pair of annular chambers respectively having an inlet and an outlet, two or more pairs of piston members rotatably supported in said cylinder, means interconnecting said crank shaft and piston members for effecting rotation of said piston members

at varying speeds upon rotation of said crank shaft, two sleeves fixed to said annulus in diametrically opposed relation, each sleeve having two spaced ports communicating with said ring cylinder and a third port intermediate said two ports communicating with one of said annular chambers, an elongated slot in said annulus intermediate the ports of each sleeve and of less extent than the spacing between said ports and com-



municating with the other of said chambers, means movable in each sleeve between two alternate positions to place alternately one or the other of said two sleeve ports in communication with said third intermediate sleeve port, and means effective upon rotation of said annulus in said casing to move said movable means in said sleeves from one to the other of its two alternate positions.

2,544,482
APPARATUS FOR TIMING THE INTERVAL BETWEEN IMPULSES
Thomas G. Barnes, El Paso, Tex.
Application May 29, 1946, Serial No. 673,202
3 Claims. (Cl. 73—6)

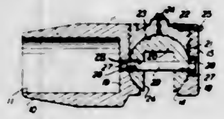


1. In a system for synchronizing periodic sound waves with a selected frequency as a standard of comparison, the combination of a cathode ray tube, means comprising a selected frequency source applied to the X and Y axes of said tube for producing a predetermined pattern on the screen of said tube, means for transforming successive sound signals from a device under test into a corresponding succession of positive voltage pulses, and means comprising a peaking circuit including a single gas tube having a plate directly connected to a direct current source to impress said impulses upon the Z axis of said cathode ray tube to produce variations in intensity of the cathode ray beam, whereby the apparent relative motion or absence of apparent relative motion of the point of changed intensity on said pattern indicates the relation of the frequency of the pulses to the selected frequency.

2,544,483
INORGANIC SPONGE BLOWING AGENTS
Arthur A. Baum, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1948, Serial No. 62,411
3 Claims. (Cl. 260—2.5)

1. A sponge blowing agent comprising a hydrocarbon dispersion of a compound of the class consisting of ammonium carbonate, ammonium bicarbonate, sodium carbonate and sodium bicarbonate, and an oil soluble dispersing agent, said compound having an average particle diameter of not over 15 microns and less than 5% of such compound by weight being in particles larger than 15 microns in their greatest dimension, said hydrocarbon being one which has a melting point below 200° F. and a flash point over 80° F.

2,544,484
CONNECTOR
Luther A. Blackburn, Lynwood, Calif.
Application July 2, 1945, Serial No. 602,911
8 Claims. (Cl. 74—245)



1. In a device of the character described, a chain comprising a plurality of links, a rod disposed to form substantially a right angle with the chain, a sleeve telescopically associated with said rod, said sleeve having a recess in one end thereof to receive links of said chain, and means to pivotally connect said last-named links to said sleeve within said recess.

2,544,485
CHAIN STRUCTURE
Luther A. Blackburn, Lynwood, Calif.
Application September 14, 1946, Serial No. 696,986
6 Claims. (Cl. 74—245)



1. In a chain structure, a coupling having an elongated bore of a length less than that of the coupling and a slot therein spaced from the bore

and extending transversely through said coupling, a pair of link pins extending through said slot parallel but eccentric to the major axis of said coupling, and chain links pivoted on said pins, respectively.

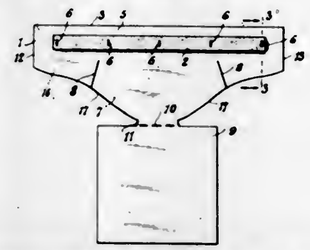
2,544,486
GARMENT
Caroline Brown, New York, N. Y.
Application May 13, 1949, Serial No. 92,990
1 Claim. (Cl. 2—67)



A body garment of the character described comprising a pair of body members united at front and back to form an enclosing body garment, each of the said body members being provided with breast pockets and shoulder straps and formed at their lower front ends with V-shaped pointed portions extending downwardly from the lower edge of the body members, cuts extending into the fabric of the said body members forming a continuation of one side of the said V-shaped portions, the said cut also forming a short attachment edge and with the projecting edge of the V-shaped portion forming a second attachment edge, a non-attachable edge upon each of the said body members extending from the V-shaped portions to form parts of leg openings, an attachment edge upon each of said body members extending from the said leg opening edges to the rear line of the said body members, a crotch member having a dart formation at one end formed by adjacent, approximately right angularly arranged attachment edges attachable to the said body members along the said attachment edge extending from the said leg opening edges to the rear line of the said body members, non-attachable edges upon each side of the crotch member, approximately parallel to each other, extending from the dart portion to the opposite rear end of the said crotch member, forming parts of the leg openings, attachment edges at the rear end of said crotch member formed by a central cut in the crotch member, attachable to the said body members at the said short attachment edges thereon and forming, with the said non-attachable edges upon the crotch member and the body members, leg openings, the said central cut in the crotch member forming a pair of attachment edges attachable to the said body members along the attachment edges formed by the V-shaped portions in the body members.

2,544,487
SANITARY NECK PROTECTOR
Nick Caluthis, New York, N. Y.
Application December 14, 1948, Serial No. 65,210
3 Claims. (Cl. 2—50)

3. A sanitary protector comprising, a neck-encircling paper strip having a wide central portion and narrower ends, the lower edge of the strip being provided with a plurality of upwardly-directed slits defining a flap between them, said



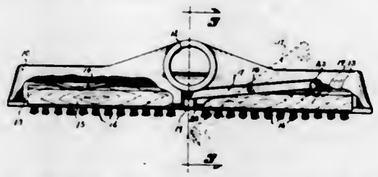
flap constituting the widest portion of said strip, and a detachable napkin attached to the lower edge of the strip and forming a protective apron at the front of the wearer.

2,544,488
PROCESS AND APPARATUS FOR MAKING CONCRETE BLOCKS
Barrett W. Chittenden, Bedford, Ohio, assignor to Finlok Block, Inc., East Cleveland, Ohio
Application May 19, 1948, Serial No. 28,013
6 Claims. (Cl. 25—2)



1. An apparatus for forming concrete blocks comprising a plurality of molds each having a bottom, movable sides and ends and a separator parallel with one of the sides, a conveyor for supporting and moving a succession of such molds, a plurality of concrete mixers for mixing concrete of different consistencies, and means for delivering the mixed concrete to the molds while they are moving, and placing the concrete of fine consistency on one side of the separator and the coarse mixture on the other side thereof, the separator being removable to permit its withdrawal, and an elongated oven positioned along the conveyor.

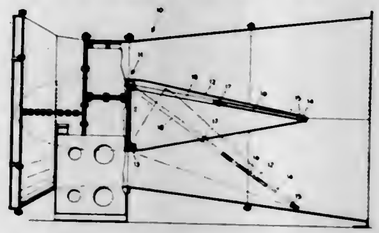
2,544,489
CLEANING ATTACHMENT FOR SWEEPER NOZZLES
Silas F. Crabb, Des Moines, Iowa
Application February 26, 1948, Serial No. 11,071
4 Claims. (Cl. 15—371)



1. A vacuum cleaner nozzle head having an elongated air and dirt inlet slot opening, an elongated inverted trough directly to the rear of said slot opening, a spring means in said inverted trough, an elongated brush capable of extending loosely into said inverted trough and yieldingly held downwardly by said spring means, a bar

pivoted to said nozzle head, a notch in the bottom center of said brush, a notch in the bottom rear center wall portion of said inverted trough and registering with the notch in said brush, a finger portion on one end of said bar, normally engaging the notch in said brush and capable of extending through the notch in said inverted trough; said bar capable of being swung to a position where said finger is free of said notch of said brush and said notch of said inverted trough, and a means for holding said bar in different positions of its swinging movement for adjustably effecting vertical adjustment of the brush.

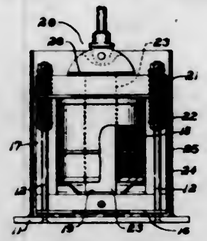
2,544,490
ADJUSTABLE COWLING FOR FANS OR THE LIKE
Morton B. Curley, Worthington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 7, 1949, Serial No. 103,377
5 Claims. (Cl. 230—120)



1. A fan construction including an outer casing and an inner cowling providing a space through which air is forced, said inner cowling including a rigidly mounted center portion and a generally conical discharge portion, means pivotally attaching said discharge portion to said center portion for swinging movement with respect thereto, means for securing said discharge portion to said center portion including an arm means having a nut portion and a hollow guide portion leading to said nut portion, an elongated bolt extending through the peak of said discharge portion and into said hollow guide portion of said arm means, washer means carried by said bolt means limiting endwise movement of said bolt in said discharge portion, and pivot means mounting said arm means to said center portion and spaced from said discharge portion mounting pivot means, said outer casing being positioned to be struck by said discharge portion as the latter swings to maintain said bolt in said hollow guide portion.

2,544,491
SHOCK DAMPER FOR ELECTROMAGNETIC DEVICES
Herbert L. Davis, Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 25, 1949, Serial No. 78,392
7 Claims. (Cl. 175—338)

1. An electromagnetic device comprising a base plate, a plurality of parallel rods secured perpendicularly to said base plate, a coiled spring under compression between stops on each of said rods, an electromagnet supported from said springs and slidably mounted on said rods, said electromagnet including a pole piece attached to the lower end thereof, a movable armature normally held in an open position against the force of gravity and movable to engage said pole piece when said electromagnet is energized, a wall secured to said base plate around said electromagnet extending upwardly above the level of the



face of said pole piece and forming with said base plate a liquid container, and a damping liquid disposed in said container to a level just above the face of said pole piece.

2,544,492
STAPLE HOLDER
Francis Harold Downing, Fresno, Calif.
Application March 20, 1947, Serial No. 735,936
4 Claims. (Cl. 1—50)

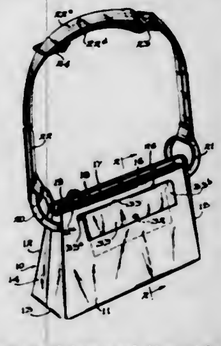


1. An instrument for use in driving staples consisting of a tubular handle having a shank provided with an enlarged outer end constituting a head, parallel side flanges on said head spaced apart, a rotatable hand piece secured in connection with said handle at the end thereof opposite said head, a rod extending loosely through the bore of the handle having threaded connection with said hand piece, and a jaw on said rod at its outer end disposed between said flanges and having a slanting cam-face that bears against said head to cause swaying movement of the rod, said jaw being disposed oppositely with respect to said cam-face, and adapted to engage and secure in place a staple disposed on said head with its tines in the flange slots.

2,544,493
REMOVABLE PURSE FOR HANDBAGS
David Filenbaum, Wood-Ridge, N. J.
Application November 20, 1947, Serial No. 787,136
2 Claims. (Cl. 150—28)

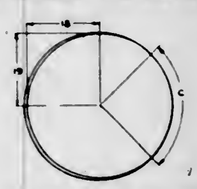
1. In a handbag having a wall, a purse having a body and a top closure flap therefore, the wall being formed with a horizontal elongated slot of a length less than the width of the wall but slightly greater than the width of said purse body so that said purse body can be extended through

said slot with said flap depending along the outer face of the wall, a fastener element on the wall below said slot and beneath said flap, and a complementary fastener element on said flap and engageable with said first-mentioned fastener element holding said flap in position depended along the outer face of said wall, said flap having



its ends projected beyond the sides of said purse body forming projecting portions which abut the outer face of the material of the wall at the ends of said slot supporting the purse in a position in which the fastener element of said flap will be aligned with the fastener element of said wall to facilitate engagement of those fastener elements.

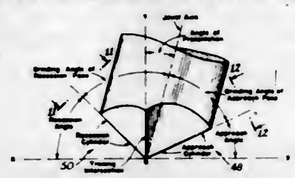
2,544,494
PISTON
Charles R. Flint, La Porte, Ind.
Application February 8, 1950, Serial No. 143,112
3 Claims. (Cl. 309—9)



3. A trunk piston for an internal combustion engine, having a piston head, piston ring grooves, side-walls comprising lands above and between said grooves and a skirt below said grooves, and a piston-pin hole; said side-walls cam-ground from end to end to make the piston oval with its diameter parallel to said piston-pin hole slightly less than its diameter transverse thereto, said lands relieved for expansion for only about three-quarters of their circumference, with no relief on the remaining circumferential quadrant of said lands, this remaining quadrant having the elements of its surface truly straight and parallel with the axis of said piston.

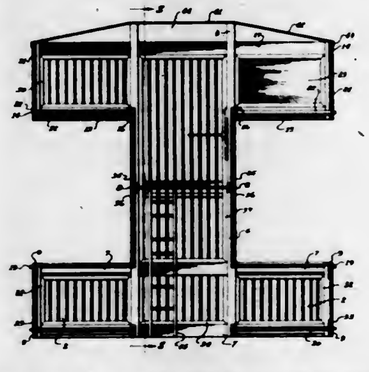
2,544,495
STYLUS CONSTRUCTION
Frederick Franz, West Haven, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Original application March 19, 1945, Serial No. 583,559. Divided and this application October 10, 1945, Serial No. 621,425
6 Claims. (Cl. 274—38)

5. In a vibration translating stylus, a stylus shank, a stylus point on said shank, said point embodying the intersection of two cylindrical surfaces, and one of the cylindrical surfaces having



a radius small as compared to a radius equal to one half the over-all thickness of said shank.

2,544,496
HOUSING AND TRAINING COOP FOR CHICKENS
Bernhard J. Gass, Washington, D. C.
Application September 22, 1947, Serial No. 775,549
4 Claims. (Cl. 119—17)



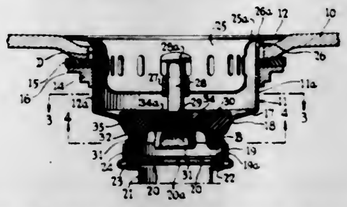
1. An exercise coop for fowl comprising framework defining a vertically disposed shaft, a plurality of uniplanar coops surrounding and communicating with said shaft at the bottom thereof, some of said coops having tops adjustable in height with respect to the height of the tops of other coops and a second group of coops spaced above those first mentioned, communicating with said shaft, one of said last mentioned coops having weather-excluding outer walls.

2,544,497
MULTIPLE FLIGHT AIRCRAFT
Gerard P. Herrick, New York, N. Y.
Application June 16, 1945, Serial No. 599,807
4 Claims. (Cl. 244—7)



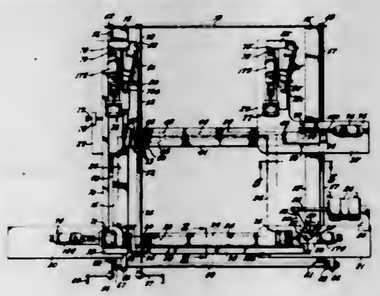
1. In an aircraft, a convertible lifting surface operable either as a rotary surface or a fixed surface, braking means for arresting the rotation of the surface comprising a reaction jet nozzle disposed outboard of the surface and at the leading edge thereof, a fuel charge forming chamber in communication with said nozzle and an air supply to said chamber comprising an air scoop at the leading edge of the rotating surface.

2,544,498
REMOVABLE STRAINER-STOPPER ASSEMBLY FOR SINKS OR THE LIKE
Arthur J. Hiertz, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application October 1, 1948, Serial No. 52,194
5 Claims. (Cl. 4—287)



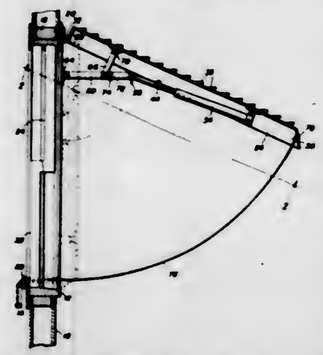
1. In a device of the character described, a tubular member having a strainer receiving portion at one end, a valve seat portion and a beaded portion of narrower diameter than said valve seat portion lying between the seat portion and the other end of said tubular member, a strainer removably supported in the strainer receiving portion of said tubular member, a rod member slidably carried by said strainer, a stopper member secured to said rod member, said stopper member having a seat movable into closing position relative to said seat portion of said tubular member and feet extending from said stopper toward said beaded portion, said feet being dimensioned to engage said bead and to maintain said stopper seat elevated relative to said valve seat portion but being deformable to move past said bead upon application of pressure to said rod member and thereby permit seating of said stopper seat on said valve seat portion of said tubular member, said strainer and stopper being removable as a unit from said tubular member.

2,544,499
COMBINED FRAME SQUARING AND NAILING MACHINE
Selden P. Hovey, Hawthorne, Calif.
Application June 10, 1950, Serial No. 167,324
18 Claims. (Cl. 1—1)



1. A squaring and nailing machine for frames and the like, comprising: means for supporting a partially assembled frame on said machine; squaring means mounted on said supporting means and adapted to be brought into engagement with the elements of said partially assembled frame; means for relatively moving said squaring means to bring the latter into pressural engagement with all elements of said partially assembled frame to pressurally urge the same into final assembled form; nail inserting devices carried by at least some of said squaring means and movable therewith into positions adjacent the corners of said finally assembled frame; means for simultaneously actuating said moving means to bring said squaring means into pressural engagement with said frame elements to square the same; means for simultaneosly actuating said nail inserting devices; control means, including a single operator means, for rendering operative both of said actuating means; and means operative to delay operation of said actuating means for said nail inserting means an interval of time sufficient for said moving means to bring said squaring means into pressural engagement with said partially assembled frame to urge the same into final assembled form.

2,544,500
SHUTTER ARM
Samuel Jacobi, Burlington, N. J.
Application May 13, 1948, Serial No. 26,841
3 Claims. (Cl. 267—1)

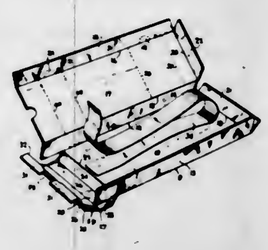


1. An automatically extensible brace assembly for use with shutters and the like pivoted at the top on fixed structure, comprising a tube pivoted at one end to a lower portion of the shutter, a plunger within said tube, a spring within said tube biasing the plunger to extend beyond said tube, a first link pivoted to the outer end of said plunger and to said structure, and a second link pivoted at its ends to an intermediate portion of said first link and to a portion of said shutter between the upper end of the shutter and the pivot connection of said tube on said shutter.

2,544,501
CIGARETTE CONTAINER
Gene Johnson, Westchester County, N. Y.
Application April 11, 1947, Serial No. 740,869
3 Claims. (Cl. 206—41.2)

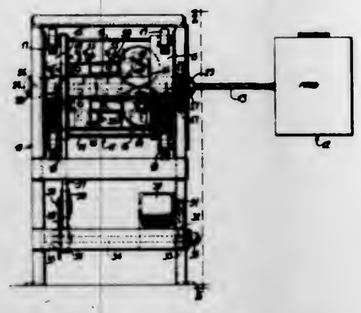
1. A flat box having a top, a bottom and shallow sides and adapted to hold not over two superposed layers of cigarettes, the bottom, at one end, being scored along spaced parallel transverse lines to provide a first bottom flap, a second bottom flap hinged to the first, said first and second bottom flaps being free of the sides so that the second bottom flap swings down parallel to the bottom, a top hinge within the top, a third flap within the top and turning on the top hinge to move parallel to the first flap, the top hinge being spaced inwardly from the end of the box a distance equal to the width of the third flap and a fourth flap hinged to the third and second

flaps to cause them to swing together to form a bottom open-ended channel adapted to deliver



a single bottom layer cigarette through its open end.

2,544,502
STICK-CANDY MACHINE
Gregory Harding Keller, Helena, Ark., assignor of one-half to Robert E. McCormack, Albany, Ga.
Application May 27, 1949, Serial No. 95,745
11 Claims. (Cl. 107—8)



1. A machine for feeding and twisting a strip of candy and for severing said strips into predetermined lengths comprising, a series of opposed driven elements having gripping and severing means thereon, means for progressively advancing said gripping and severing means into engagement with said strip of candy to successively grip and shear said strip, and means for rotating said series of elements about the axis of said candy strip while said gripping means are in engagement therewith.

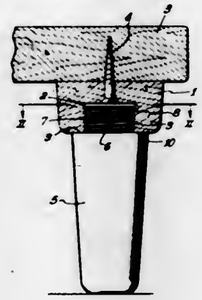
2,544,503
METHOD OF MAKING NONMETALLIC SHEATHED CABLE
Frank J. Kennedy, Mount Lebanon, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 13, 1949, Serial No. 110,108
3 Claims. (Cl. 154—2.28)

1. The method of making a non-metallic sheathed cable having a bonded core and jacket structure which comprises forming a filler and spacer strip of unvulcanized high polymer elastomeric material pocketed for the reception of a plurality of jacketed conductors, assembling jacketed conductors non-adherent with the substance of the said filler and spacer strip in the pockets of said filler and spacer strip with unvulcanized substance of the said filler and spacer strip between the conductor jackets projectant outwardly beyond the peripheries thereof, applying tightly around the said initial assembly a stranded covering having spaced strands with substantial projection of the unvulcanized substance of said filler and spacer strip through the interstices between strands of the said covering,



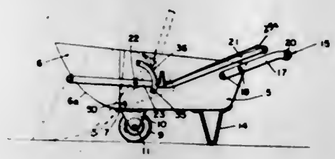
compressively extruding an outer jacket of unvulcanized high polymer elastomeric material over the said stranded covering in contact with the substance of the filler and spacer strip projectant through interstices of the said covering, and effecting bonded integration between the said filler and spacer strip and said outer jacket in the said contacting regions thereof by simultaneously vulcanizing the said structural elements.

2,544,504
DEMOUNTABLE LEG
Clarence Brant Keys, Sherman Oaks, Calif.
Application June 15, 1946, Serial No. 676,992
2 Claims. (Cl. 287—20)



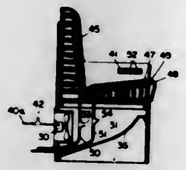
1. A demountable leg for attaching to a supportable member comprising: a foot provided with an annular supporting shoulder adjacent the upper end thereof and an upwardly extending, exteriorly threaded stud of reduced diameter; a base provided with an interiorly threaded bore adapted to receive said exteriorly threaded stud and provided with an annular, flat, abutting surface surrounding the bore and adapted to contact said supporting shoulder, said abutting surface being of larger area than the annular supporting shoulder, said base including a rear, flat face in a plane parallel to such annular surface, said interiorly threaded bore extending only partly into said base, and a detachable fastening means extending axially through the base through the rear face thereof for removably attaching said base to a supportable member, said fastening means being completely concealed when the stud and bore are in threaded engagement.

2,544,505
SELF-LOADING WHEELBARROW
Semen Kronhaus, Los Angeles, Calif.
Application December 14, 1946, Serial No. 716,338
3 Claims. (Cl. 214—78)



1. In a wheelbarrow, the combination of a hopper comprised of a rear portion and a separate portion, said front portion having an outwardly curved bottom wall, and being hingedly secured adjacent its bottom rear end portion to the rear hopper portion whereby to be swingable relative thereto about an axis transverse of the hopper, a handlebar for the rear hopper portion, a pair of parallel levers fulcrumed between their ends to the respective sides of the rear hopper portion, the rear ends of the levers being normally disposed adjacent the handle bar, a handle disposed between the rear ends of the levers, a cross member disposed between and rotatably mounted at its ends on the front end portions of the levers, said cross member having rolling engagement with the curved bottom wall of the front portion of the hopper, a lock releasably securing the levers in selected positions, and a wheel portably supporting the rear hopper portion.

2,544,506
TEMPERATURE CONDITIONED FURNITURE
Semen Kronhaus, Los Angeles, Calif.
Application July 12, 1947, Serial No. 760,587
2 Claims. (Cl. 155—1)

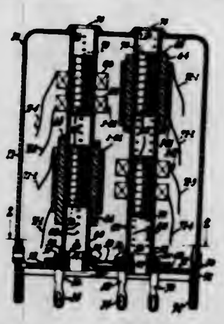


2. In an article of furniture adapted for use as a seat, the combination of a body, a seat cushion supported on the body, an electrically heated blanket mounted in the cushion and blower means for circulating air under and through the cushion.

2,544,507
ALKALINE EARTH SULFIDE PHOSPHORESCENT PIGMENTS
Donald W. Lyon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1949, Serial No. 90,560
13 Claims. (Cl. 252—301.4)

4. A phosphorescent pigment consisting essentially of an alkaline earth metal sulfide activated by 200–300 P. P. M. of bismuth and 0.5 to 12 P. P. M. of silver.

2,544,508
SIGNAL TRANSFER APPARATUS
Donald Mackey, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1948, Serial No. 17,359
12 Claims. (Cl. 178—44)

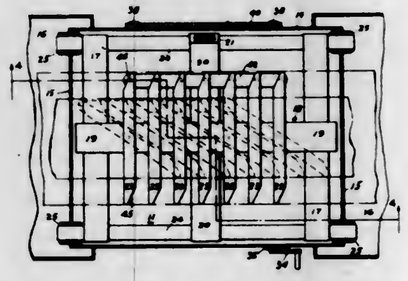


1. A dual frequency transformer comprising, two elongated winding supports, a relatively low frequency primary winding formed on one of said supports adjacent its upper end, a relatively low frequency secondary winding formed on the other support adjacent its lower end, two sleeves having inside dimensions corresponding substantially to the outside dimensions of said supports, relatively high frequency primary and secondary windings formed on said respective sleeves, the sleeve carrying the relatively high frequency primary winding being mounted adjacent the lower end of the support carrying said relatively low frequency primary winding and the sleeve carrying the relatively high frequency secondary winding being mounted adjacent the upper end of the support carrying said relatively low frequency secondary winding, a housing for said transformer having a substantially closed end and an oppositely disposed open end, a terminal board adapted to be affixed to said housing substantially closing the open end thereof, tuning capacitors for connection to said windings, fasteners securing said capacitors to said terminal board at spaced points thereon, two of said fasteners having formed at the inner ends thereof means for receiving and mounting the corresponding ends of said respective supports, and the closed end of said housing being provided with means in substantial alignment with said fasteners for receiving and securely mounting the other corresponding ends of said supports.

2,544,509
METHOD OF MAKING PAPER CONTAINERS GREASEPROOF
Ralph H. McKee, New York, N. Y.
No Drawing. Application November 17, 1944, Serial No. 563,996
5 Claims. (Cl. 226—19)

1. In a method of grease-proofing containers to be used for the transport of liquid hydrocarbons, such as gasoline, oils, lubricants and consisting of a single-layer porous paper having a pH of less than 6, the steps of applying to the inside wall of the containers a coating of an aqueous solution of a low viscosity glue and of a quantity of hexamethylene tetramine equal to about 0.2 to 0.5 per cent of the dry weight of the glue hereupon directly filling the container with the liquid hydrocarbon of a sufficiently low temperature to thereby congeal the coating and sealing the same whereupon the coating is hardened by the formaldehyde set free from the hexamethylene tetramine by contact with the acid in the container wall and dried by cooperation of its moisture content through the porous container wall.

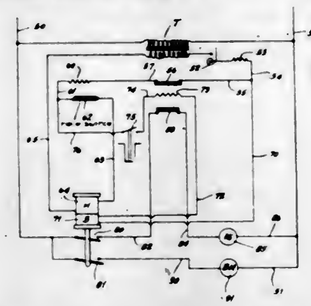
2,544,510
APPARATUS AND METHOD FOR PLATING STRIPS
Frederick A. Prahl, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application October 23, 1943, Serial No. 507,430
22 Claims. (Cl. 204—28)



1. Apparatus for electroplating a longitudinally moving strip having a conductive face in contact with the electrolyte comprising an anode support having a conductive surface submerged in the electrolyte; means for connecting a source of electroplating potential to the conductive surface of the anode support; an anode submerged in the electrolyte and including a plurality of elongated anode elements extending transversely of the strip and supported by the anode support, said anode elements being in contact with the conductive surface of the anode support so that electroplating of the anode metal on the conductive face of the strip progressively corrodes the anode elements and reduces them in size; and adjustable cam means including rotatable cams submerged in the electrolyte and operatively associated with the anode support, said cams being rotatable to move the anode support and the anode elements toward the conductive face of the strip to compensate for corrosion of the anode elements and to maintain the anode support and anode elements in the proper operative position adjacent the conductive face of the strip.

2,544,511
SAFETY HEAT CONTROL SYSTEM
Ryder Pratt, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application September 30, 1944, Serial No. 556,516
15 Claims. (Cl. 158—28)

7. In a control for use with a burner operating device and an igniter, the combination of a relay coil and a switch operated thereby to effect operation of the burner operating device, a starting circuit branch for the relay, and a running circuit branch for the relay, said starting circuit branch having a control switch therein displaceable for rendering the starting circuit branch ineffective, an igniter switch for controlling the igniter, and displaceable for rendering the igniter ineffective, and a switch operating means in the running circuit branch adapted to displace both the control switch and the igniter switch when the running circuit branch is energized.



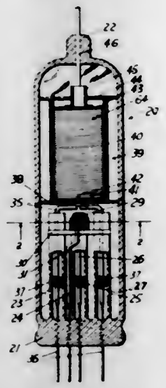
12. In a control mechanism, a relay having a coil, and an actuating device operated to operative position upon energization of the coil, a timing device including a switch and time-delay operating means energizable to open the switch, a starting circuit branch for the relay coil, the branch interconnecting the timing device switch and the time-delay operating means with the relay coil, whereby upon energization of the branch the relay coil is energized, but the coil is subject to deenergization upon lapse of a predetermined interval by the timing device, energy-reducing means to render the coil incapable of operating its actuated device to operative position, but not to render the coil incapable of holding the device in said position, means to open the starting circuit branch including a switch in said branch, and energizable means to operate the switch, and a running circuit branch for the relay coil interconnecting the energy-reducing means and the energizable means of the switch to open the starting circuit branch with the relay coil.

2,544,512
WINDOW SCREEN FRAME
Josiah H. Scruggs, Birmingham, Ala.
Application August 23, 1946, Serial No. 692,408
1 Claim. (Cl. 160—381)



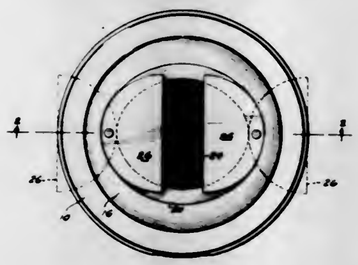
A window screen frame including side and end members, each comprising a body portion of sheet metal generally rectangular in cross section, with a flange along its outward edge, the edge portions of the sheet being doubled and bent over to form a locking groove having a shoulder along one side, said locking groove extending along the inward side wall of each of the frame members, mitered ends on each of the frame members for joining adjacent frame members, connectors for the frame members comprising pressed metal channel members nested with the legs of each channel abutting the web of the other to form rectangular splines, each of said splines comprising arms at right angles to each other and fitting snugly within the rectangular body portion of the side and end members, a tubular resilient spline member fitting within the groove for holding screen wire in place in the frame, said tubular spline having a shoulder along one side thereof coacting with the shoulder in the groove.

2,544,513
GAS DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 23, 1949, Serial No. 106,430
11 Claims. (Cl. 313—188)



1. An electron discharge device comprising an envelope containing a gaseous medium, a cathode, an anode, a grid shielding said anode from said cathode, and means for maintaining a discharge in the space between said anode and said cathode independent of electron flow from said cathode to said anode comprising a pair of additional electrodes between which said discharge occurs.

2,544,514
ELECTRICALLY HEATED APPARATUS FOR FITTING LENS INTO FRAMES
James D. Tasker, Chicago, Ill.
Application June 21, 1947, Serial No. 756,123
1 Claim. (Cl. 219—35)



Apparatus of the class described including an electric heater member having an upwardly turned flange, an oven adapted to be telescopically positioned thereon, said oven having an elliptically shaped opening at its upper end, a screen member covering said opening and a pair of horizontally disposed semi-circular cover members pivotally mounted upon opposite sides thereof with the straight edges thereof opposed and adapted when so positioned to cover all of said opening except a central parallel sided portion medially thereof.

2,544,515
GLOVE
Fred Tatar, Gloversville, N. Y.
Application February 14, 1950, Serial No. 144,064
2 Claims. (Cl. 2—169)



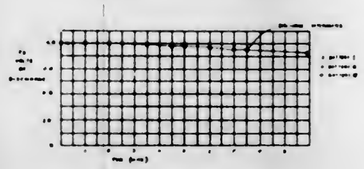
1. A glove comprising a main trank having superposed integral palm and back sections, both of said sections being provided with corresponding front and back finger members joined to each other, said palm section presenting a free inner side edge and a transverse edge merging with the upper end of said side edge, an end section integral with said back section and folded thereover, said end section presenting a free outer side edge and the upper edge of said end section presenting a free square edge, said end section being inwardly notched below said square edge on both of its side edges and symmetrically bendable about a fold line to form the side and back portions of the thumb of the glove, the inner side edges of said side and back thumb portions being joined to each other and the square edge of said end section being joined to the transverse edge of the palm portion, and an auxiliary trank secured to the outer side edges of said side and back portions and being also secured to a portion of the free edges of the end and palm sections, the remainder of the free edges of said sections being joined to each other.

2,544,516
DRAPERY SHAPER
Ben Walters, New York, N. Y.
Application March 16, 1948, Serial No. 15,191
2 Claims. (Cl. 160—348)



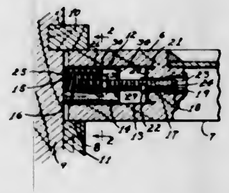
2. A drapery shaper comprising a tubular member having a pair of longitudinally spaced aperture means in the side wall thereof, a generally S-shaped clip having a pair of outer portions each provided with a pair of projections adapted to cooperate with said aperture means to secure drapery to said tubular member, said clip having a pair of intermediate portions cooperating with said outer portions to engage the side wall therebetween and having a second pair of outer portions disposed in said tubular member and formed with a connecting loop portion at one end thereof, and a supporting hook having a portion engaging said loop portion.

2,544,517
METHOD OF MAKING BATTERIES
Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application January 6, 1947, Serial No. 720,439
2 Claims. (Cl. 136—176)



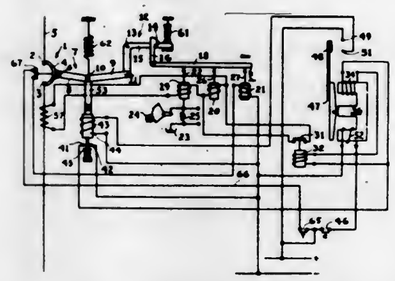
1. Method of making storage batteries, of the wood separator type; comprising the steps of assembling the positive and negative plates in the battery container, interposing a permeable wood separator therebetween, filling the space between the plates with battery acid, of a concentration greater than that to be present in the completed battery for operation, allowing the thus assembled battery to stand for a prolonged period of time of at least several days, uncharged, diluting the acid therein to the required concentration, and charging the battery, preparatory to actual service, thereby to develop the capacity of the battery with respect to the operative conditions of the plates, separator and electrolyte.

2,544,518
WINDOW SASH HOLDER
Andrew F. Wintercorn, Rockford Ill., assignor to Rockford Sash Holder, Inc., Rockford, Ill., a corporation of Illinois
Application April 19, 1949, Serial No. 88,316
2 Claims. (Cl. 292—74)



1. In a window sash holder of the character described, the combination of a hollow elongated cylindrical plunger element having an end wall closing one end thereof, a coiled compression spring in said plunger abutting said end wall at its one end, a screw coaxially arranged with respect to and extending into said plunger but ending in spaced relation to its end wall, an adjustable abutment washer in said plunger for supporting engagement with the other end of said spring, said washer being adjustably threaded at its center on said screw to vary the overall length of the assembly, said screw having a longitudinally extending key-way provided therein, a lock washer on said screw having a key-projection slidable in the key-way and also arranged to be entered in a key-slot provided in said first washer, whereby to lock said first washer against turning relative to said screw from adjusted position, a lock nut threaded on said screw and adapted when tightened toward said washers to hold the lock washer in locking position relative to said first washer, another washer outside said plunger in coaxially spaced relation to said first washer through the center of which the screw is adjustably threaded, and means to lock said latter washer against turning relative to the sash on which the same is adapted to be fixedly supported.

2,544,519
TIME DELAY CIRCUIT BREAKER
Joseph D. Wood, Upper Darby, Pa., assignor to ITE Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 24, 1948, Serial No. 4,181
6 Claims. (Cl. 175—294)

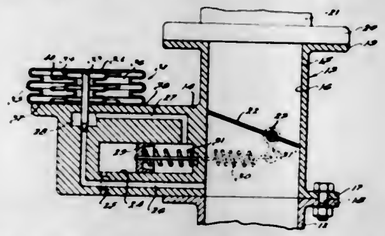


4. In a circuit breaker having a pair of cooperable contacts, a spring connected to one of said contacts for biasing said contact to disengagement from the other of said contacts, a latch for normally maintaining said contacts in engagement against the action of said biasing spring, a first trip magnet, circuit connections for said trip magnet for energizing said magnet to release said latch in response to fault currents to permit disengagement of said contacts by said spring, a time delay mechanism for delaying the operation of said trip magnet in response to a fault current, a second trip magnet, circuit connections for said second trip magnet for energizing said second trip magnet to release said latch in response to fault currents to permit disengagement of said contacts by said spring, a by-pass from said last mentioned circuit connections around said second trip magnet for normally rendering said second trip magnet non-responsive to fault currents, electrical means for operating said contacts to engagement and circuit connections operated simultaneously with said electrical means for removing said by-pass to render said second trip magnet responsive to fault currents.

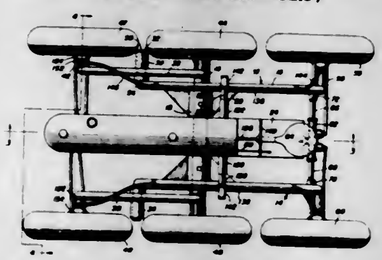
2,544,520
INTERNAL-COMBUSTION ENGINE GOVERNOR
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 17, 1946, Serial No. 677,365
8 Claims. (Cl. 137—153)

1. A carburetor governor including a fuel mixture passageway, a throttle valve in said passageway normally urged toward closed position by the flow of fuel mixture therethrough, and mechanism for yieldably urging said throttle valve toward open position including a resilient member and means acting directly upon said

member throughout the entire range of operation of said throttle valve and varying in response to changes in atmospheric pressure adapted to compensate for variations in altitude.



2,544,521
WHEEL MOUNTING ARRANGEMENT FOR VEHICLES
Lionel R. Bergen, Iola, Wis.
Application May 11, 1948, Serial No. 26,412
4 Claims. (Cl. 280—81.5)



1. A vehicle construction comprising a chassis which includes a platform, a transverse bar forming a part of said platform, a pair of frame members each secured intermediate its ends to one end of said transverse bar, means to rigidly fix said frame members in selected positions of lateral adjustment on said bar, each frame member having a front and a rear extension projecting laterally with respect to said chassis, wheels disposed on the rear extensions, rockers, each rocker pivoted intermediate the ends thereof to one of the front extensions, a plurality of wheels, means disposed at the ends of each of said rockers supporting said wheels, and extensible means swivelly secured to said platform at the rear end thereof and to said frame members at the rear ends partially supporting said frame members.

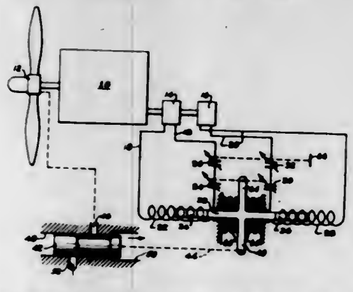
2,544,522
METHOD OF SECURING MEMBERS WITH A PREDETERMINED TORQUE BY A COMPOSITE CAP SCREW
Svend Iver Bertelsen, Shrewsbury, Mass., assignor to Wright Aeronautical Corporation, a corporation of New York
Application May 19, 1945, Serial No. 594,686
1 Claim. (Cl. 85—1)

The method of securing a pair of members together by means of an element having right-hand threads at one end, left-hand threads at its other end and an annular flange between said threads, said method comprising threading a nut on one end of said element down against its flange with a predetermined torque; inserting the other end of said element through a hole in one of said members and into a threaded hole in the other of said members; and then threading said element into said threaded hole by applying



torque to said nut to an extent sufficient to cause said nut to loosen from said flange.

2,544,523
GOVERNOR
John L. Bogdanoff, Mahwah, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application March 13, 1946 Serial No. 654,118
7 Claims. (Cl. 175—355)



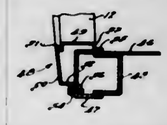
1. In combination with an engine subject to starting and stopping and having means for regulating the speed of said engine over a substantial speed range; a speed control system for said engine comprising a pair of electric circuits having different resonant frequencies; alternating current generator means drivably connected to said engine for generating electric current at a frequency proportional to the speed of said engine, said generator means being electrically connected to said circuits for supplying electric current at said generated frequency to both said circuits; means controlled by said circuits for effecting operation of said speed regulating means to maintain said speed at a predetermined value; and means operable for simultaneously increasing or decreasing the resonant frequencies of said two circuits for determining the magnitude of said predetermined value of speed.

2,544,524
COMBINED POURING AND SIFTING DEVICE FOR POWDERED MATERIAL
Pierre Edouard Louis Bonnefoy, Paris, France
Application January 3, 1946, Serial No. 638,783
In France January 8, 1945
4 Claims. (Cl. 222—532)



1. In a combined pouring and sifting apparatus for powdered products and the like included in a container on a wall of which is provided an aperture for locating said device, in combination, a pouring device pivotally mounted on the container with a relatively large opening angle, a sifting device pivotally mounted on said pouring device with a relatively small angle and adapted for pivoting therewith when said pouring device is pivoted, the pivoting movements of the whole formed by said pouring and sifting devices with respect to the container, on one hand, and of said sifting device with respect to said pouring device, on the other hand, being operated in reverse directions.

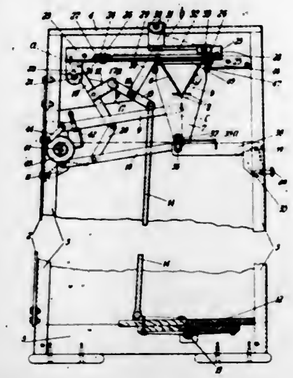
2,544,525
VEHICLE BODY CONSTRUCTION
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 2, 1945, Serial No. 597,332
2 Claims. (Cl. 296—28)



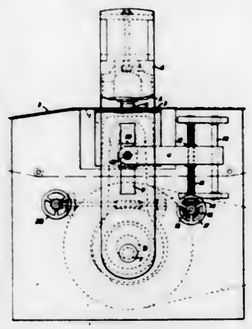
1. A vehicle body construction comprising a floor sheet, U-shaped members one at each side of the floor sheet, each member being positioned partially beneath an edge of the floor sheet and partially beyond the edge and facing outwardly of the floor with one leg engaging the sheet and one leg spaced from and below the floor sheet, a pair of U-shaped elements having legs engaging the legs of the U-shaped member in the region beyond said edges in overlapping relation so as to form hollow beams at said edges of the floor sheet, means joining the U-shaped elements to the U-shaped members, a structure shaped as a U having a base forming the vehicle-body top, legs forming the vehicle-body sides, and open hollow members secured to and extending along the ends of the legs, each hollow member having one edge adapted to lie along a said hollow beam adjacent the base of the U-shaped element thereof, and a stop-providing edge overlapping the hollow beam such as to engage the upper surface thereof along a leg of the U-shaped element, thereby providing for the said one edge and U-shaped element base to be vertically located respecting one another upon establishment of correlated positions as between the hollow member and hollow beam, means securing said one edge of each hollow member to the base of the U-shaped element, and means securing the stop-providing edge of each hollow-member to the said leg of the U-shaped element, the U-shaped elements and the hollow members forming tubular beams reinforcing the vehicle-body construction.

2,544,526
LOOM
Henry James Craymer, Chelmsford, England
Application April 18, 1949, Serial No. 88,101
In Great Britain April 20, 1948
20 Claims. (Cl. 139—18)

1. A loom having shed forming means for sets of warp threads, comprising a series of displaceable fork-like members each having spaced tines or blades joined to a shank for receiving warp threads of one set between the tines or blades and arranged so that warp threads of a second set can lie in the spaces between adjacent members, and means for displacing the warp threads of said second set alternately in opposite directions whilst said fork-like members are displaced oppositely to said means to effect a corresponding displacement of the warp threads of the first set to form successive sheds, the length of said tines or blades being such that the warp threads engaged therein remain between them during shedding.



2,544,527
MACHINERY FOR CUTTING OUT PIECES OF PLASTIC MATERIAL FROM A CONTINUOUSLY MOVING SHEET
Edward Milner Crosland, Culcheth, near Warrington, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England
Application February 13, 1948, Serial No. 8,230
In Great Britain February 13, 1946
3 Claims. (Cl. 107—20)



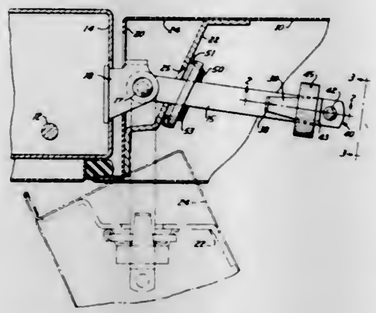
1. A machine for cutting out pieces from a continuously moving web of plastic material, including in combination a frame, cutters, a conveyor moving continuously in one direction, a lever for reciprocating said cutters in directions parallel to the movement of the web and at a right angle to the plane thereof so that said cutters describe a closed path in space, a pivot for said lever, a bar carrying said pivot, guides on the frame, and means to displace the bar in said guides to adjust the position of said pivot relatively to said lever for varying the length of travel of said cutters parallel to the movement of the web.

2,544,528

DOOR CHECK AND HOLDING DEVICE

Angelo R. de Vito, Cleveland Heights, Ohio, assignor to Rudolph I. Schonitzer, Cleveland, Ohio

Application April 13, 1948, Serial No. 20,687
6 Claims. (Cl. 16—86)



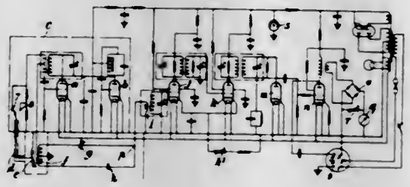
1. A door check and holding device for retaining a closure member and a supporting frame member therefor in predetermined position with respect to each other, said device comprising a link adapted to be connected to one of said members, resilient means carried by said link and adapted to interlock with said other member to restrict relative movement of said members with respect to each other, a cushion member carried by said link adjacent said means to check the relative movement of said members in one direction, an angle member overlying said resilient means and riveted to said means and said link to form a unitary assembly, one flange of said angle member lying substantially normal to said link in position to be engaged by and restrain said cushion against movement along said link.

2,544,529

ELECTRICAL DETERMINATION OF MOISTURE CONTENT AND OTHER PROPERTIES

John Ernest Fielden, Sale, England

Application July 23, 1947, Serial No. 763,078
In Great Britain July 31, 1946
4 Claims. (Cl. 175—183)



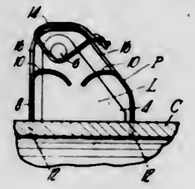
1. Apparatus for determining the mass, moisture content and similar properties of textiles, paper and other material comprising a screened electrical high frequency generator, a modulator for modulating the high frequency oscillations produced by the generator, a screened transformer fed from the generator, two condensers connected in series with the secondary winding of the transformer, one of which has the material under test as its dielectric, a screened high frequency amplifier arranged to amplify variations in the potential of the junction between the two condensers due to variations in the dielectric constant of the material under test, a demodulator for demodulating the amplified high frequency current, a rectifier for rectifying the low frequency current from the demodulator, and a measuring instrument for indicating the rectified variations.

2,544,530

LUG PROTECTOR

Walter T. Gibson, Dravosburg, and William L. Zemberry, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey

Application October 17, 1945, Serial No. 622,814
1 Claim. (Cl. 220—85)



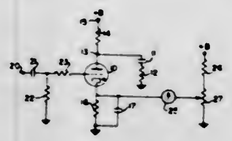
In combination with a cylinder having U-shaped lugs mounted transversely thereof, a sheet metal protector for said lugs comprising a U-shaped piece of sheet metal having upstanding legs, the closed end of said U-shaped piece of sheet metal forming a cover portion for said lugs, inwardly struck tongues on said leg portions extending between the legs of said lugs, the lower ends of said legs being profiled to engage said cylinder and means extending through the struck out portions of said legs engaging a pin extending between the legs of said U-shaped lugs to hold said protector on said cylinder.

2,544,531

RELAXATION TYPE OF ELECTRICAL MEASURING SYSTEM

Thomas C. Hana, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application September 20, 1946, Serial No. 698,355
5 Claims. (Cl. 171—95)



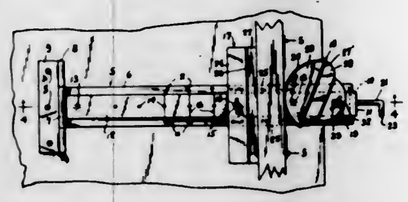
1. An electrical system for measuring the amplitude of time-spaced pulses, the separation of which may have any value within a wide range of values, comprising: a vapor-electric discharge device having anode and cathode electrodes; potential-supply terminals and a load circuit, having a discharge time constant long with reference to the greatest separation of said pulses, coupled to said discharge device and comprising therewith a relaxation circuit having a normal operating period longer than the greatest separation of said pulses; means for applying said pulses to said relaxation circuit to vary the operating period thereof in accordance with said amplitude characteristic of said pulses, thereby to establish in said load circuit a potential having variations representative of said amplitude characteristic of said pulses; and a measuring device so coupled to said load circuit as to respond to deviations of said potential from a reference level and thereby indicate the amplitude of said pulses.

2,544,532

PORTABLE AND ADJUSTABLE BENCH CLAMP

Thomas T. Hill, Beloit, Wis.

Application February 3, 1949, Serial No. 74,335
1 Claim. (Cl. 144—307)



A bench clamp comprising, a base-plate, a hinge leaf pivotally secured to the inner end of the base-plate, a bar having threaded holes in its inner end registered with unthreaded holes in the base-plates, a stationary clamping jaw mounted on the bar, a thumb-screw passing through a hole in the clamping jaw and threadedly engaging an elected threaded hole in the bar, guide arms secured to the stationary clamping jaw with their opposed inner sides slidably bearing against opposite sides of the bar, an elongated wooden strip secured to the stationary clamping jaw, a pivoted jaw having a substantially semi-circular outer face mounted on the outer portion of the aforesaid bar, a threaded bolt extending through aligned smooth holes in the base-plate, bar and a smooth hole in the pivoted jaw disposed at a point outwardly of the center of the semi-circular outer face of the pivoted jaw, a lock nut on the bolt bearing against the pivoted jaw, a wing nut threaded on the outer end of the bolt and normally bearing against the lock nut; a washer on the bolt disposed between the pivoted jaw and bar, a downwardly extending arm formed on the outer end of the bar and seated in a notch in the outer end of the base-plate, a piece of friction material secured to the semi-circular face of the pivoted jaw, a bolt threadedly engaged in a threaded hole in the lower portion of the arm of the bar, a swivel head on the inner end of said threaded bolt, a handle on the outer end of said bolt, graduations on the bar, and numerals on the base-plate at opposite sides of the bar registering with the aforesaid graduations.

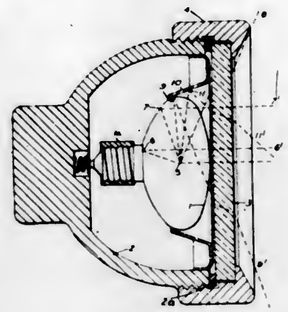
2,544,533

MINER'S ELECTRIC CAP LAMP

Harry Holt, Jr., Denton, England, assignor to Oldham and Son Limited, Denton, England, a British company

Application February 14, 1946, Serial No. 647,448
In Great Britain November 30, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 30, 1964
6 Claims. (Cl. 240—41)

1. A miner's cap-lamp or the like comprising casing and lamp bulb, the lamp bulb having an approximately parabolic back surface, with the filament close to the focus, the said back surface being made reflecting and being approximately parabolic over a solid semi-angle extending from as near the axis as is practicable to at least 60 degrees measured from the focus, and an annular diverging reflector in association with the



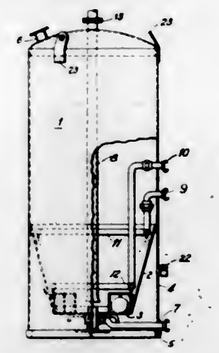
said casing spaced about the lamp bulb and forming an extension of said reflecting back surface of the lamp bulb for distributing outside the casing and mainly at wide angles the light from the filament which is directed towards the walls of the casing beyond the parabolic reflecting surface.

2,544,534

PNEUMATIC ELEVATOR AND CONVEYER FOR PULVERULENT MATERIAL

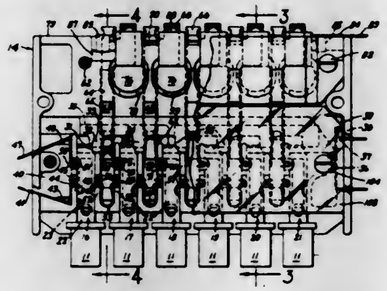
Reginald Jackson, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1947, Serial No. 755,766
4 Claims. (Cl. 302—53)



1. A pneumatic elevator and conveyor for pulverulent material comprising a blow case having a check valve deck at the bottom thereof for admission of said material, a delivery tube installed in the interior of said blow case and terminating therein above said valve deck, for discharge of said material, said blow case being adapted for connection to means for reducing the pressure within said blow case by evacuation thereof for filling the same with said material and to means for increasing the pressure within said blow case for discharging the same of said material, and an aerating means below said valve deck adapted for connection to a source of compressed air during filling of said blow case.

2,544,535
SWITCHING APPARATUS
Gilbert J. Kennedy, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1947, Serial No. 754,013
7 Claims. (Cl. 200—16)



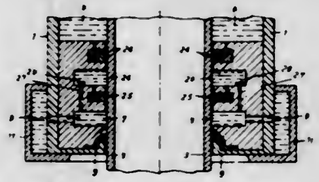
6. In a switching device, an insulating base member provided with a plurality of recesses, a plurality of conducting keys each disposed in a corresponding one of said recesses and movable therein between operative and rest positions, a plurality of conductor elements each disposed in others of said recesses and normally making contact with said keys and connecting the same in series circuit relation, said keys and conductor elements being individual members readily insertable in and withdrawable from said recesses whereby to facilitate assembly and disassembly of said switching device, a plurality of contacts supported by said base member and each associated with a corresponding one of said keys and normally spaced therefrom, each key being engageable with its associated contact in response to movement of the key to operative position, and a plurality of lamps each disposed within still others of said recesses and each associated with a corresponding one of said keys and adapted to be illuminated in response to movement of the corresponding key to operative position.

2,544,536
MICROPHONE
Alfred H. Kettler, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1947, Serial No. 751,007
12 Claims. (Cl. 179—115.5)



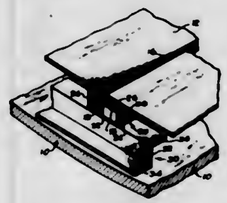
1. A microphone comprising means for producing a magnetic field, said means including an air gap, a vibratile member mounted for vibration in response to instantaneous differences of sound pressure on opposite sides thereof, said vibratile member including a conductive element disposed in said air gap, the vibrations of said conductive element in said air gap serving to convert vibrations of said vibratile member into electrical variations, and an acoustical reflector disposed in close proximity to one side of said member, the spacing between said member and said reflector being small compared to the focal length of said reflector.

2,544,537
PACKING DEVICE FOR HYDRAULIC FLUID-TIGHT SLIDING JOINTS
René Lucien Levy, also known as René Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland, a corporation of Switzerland
Application February 20, 1948, Serial No. 9,867
In France February 24, 1947
1 Claim. (Cl. 286—27)



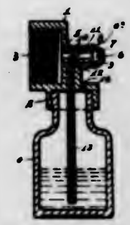
In a fluid-tight sliding joint for hydraulic cylinders of the type comprising two main inner high pressure packing rings, one side only of one of which being lubricated by the liquid under high pressure operating in said cylinder, an auxiliary low-pressure packing ring; a first lubricating chamber formed between said two main packing rings to lubricate the sides of said rings adjacent thereto; a second lubricating chamber formed between said auxiliary ring and one of said main rings to lubricate the opposite side of this latter; longitudinal passages between the two chambers; valves to close automatically said passages when the liquid under high-pressure penetrates into the first chamber due to a leak of one of said main rings, and means adapted to maintain said second chamber constantly filled with an auxiliary lubricant under low-pressure.

2,544,538
LINER FOR HOT GAS CHAMBERS
Walter W. Mahnken, Union City, N. J., and Robert Zecca, Brooklyn, N. Y., assignors to Wright Aeronautical Corporation, a corporation of New York
Application December 1, 1948, Serial No. 62,924
13 Claims. (Cl. 138—47)



1. A liner construction for a wall of a chamber the interior of which is to be subjected to hot gases; said construction comprising a plurality of elongate strips of sheet metal forming an internal liner for said wall, said strips being disposed in side-by-side relation with a gap between the adjacent longitudinal edges of each pair of adjacent strips; and means for supporting said strips from said wall so as to permit expansion and contraction of each strip in all directions along its surface relative to the adjacent strips.

2,544,539
LIQUID DISPENSER
Donald C. Manders, Toronto, Ontario, Canada
Application November 5, 1947, Serial No. 784,144
1 Claim. (Cl. 299—84)



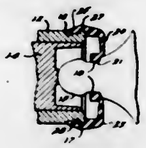
A mixing and dispensing device including a pipe having an inlet end adapted to receive a motivating fluid and a substantially dome-shaped delivery end having a medial arcuate delivery slot, the said pipe having a duct through one side thereof, a fluid conducting tube extending across said duct within said pipe and terminating short of said dome-shaped delivery end whereby a mixing chamber is provided in said delivery end of said pipe of greater cross sectional area at its inner end than the fluid passage thereto provided by said fluid conducting tube, said fluid conducting tube having an interior boss behind said duct and a passage through one side of said fluid conducting tube connecting with said duct and discharging through the face of said boss in a direction towards said mixing chamber.

2,544,540
UNDERDRIVE PUNCH PRESS
Frederick K. Mausznest, Queens Village, N. Y., assignor to Hedwig Maust, Queens Village, N. Y.
Application February 17, 1948, Serial No. 8,816
3 Claims. (Cl. 164—102)



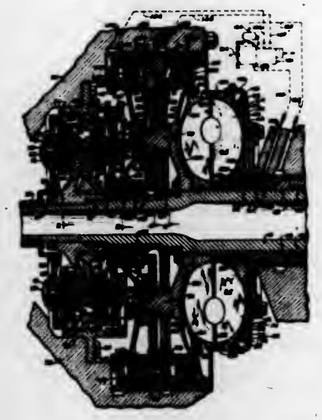
1. In a press with underdrive, a tiltable main frame, an upper cross-head, a lower cross-head, draw-rods for operatively connecting said upper cross-head to said lower cross-head, a drive-shaft supported by said main frame and located between said cross-heads for reciprocating the latter, a pedestal for tiltably supporting said main frame with the horizontal axis of said drive-shaft as the axis of tilt, and means for locking said main frame to said pedestal at the desired angle of tilt.

2,544,541
PROTECTIVE SEAL
George D. McCarthy, Detroit, and Arthur H. Edwards, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1946, Serial No. 717,228
1 Claim. (Cl. 286—29)



A resilient boot element for forming a seal between relatively stationary and shiftable members, comprising an inner hub element for receiving said shiftable member, an intermediate flexible diaphragm extending outwardly from said hub element, a relatively rigid peripheral flange on the outer extremity of said diaphragm, said flange having an internal diameter smaller than the external diameter of said stationary member so that a portion of said flange abuts the end of said stationary member to space said diaphragm from the end of said stationary member and a resiliently expansible lip carried by said flange and, having outer and inner surfaces inclined in its relaxed state inwardly with respect to said peripheral flange, said lip being operable to resiliently engage a portion of said stationary member to secure said boot thereto.

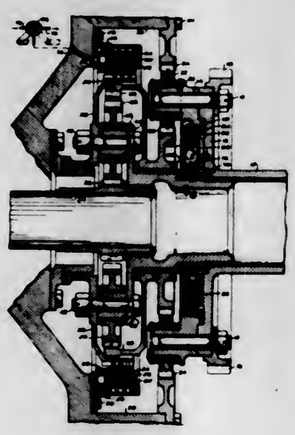
2,544,542
TRANSMISSION
Peter H. Palen, Paterson, and Harry W. Burdett, Glen Rock, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application September 7, 1945, Serial No. 614,850
4 Claims. (Cl. 74—688)



1. A multi-speed transmission comprising an input shaft; an output shaft; means providing a driving connection between said shafts; said means including a member subjected to reaction torque resulting from the transmission of torque by said means from said input shaft to

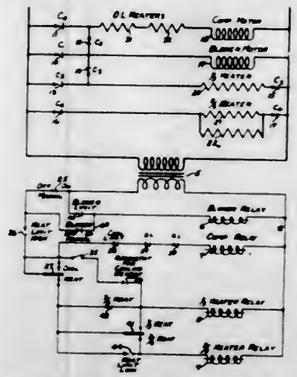
said output shaft; means operable to prevent rotation of said reaction member at least in the direction of said reaction torque to provide a speed ratio drive from said input shaft to said output shaft; means operable to drivably connect said input shaft to said reaction member for driving said member from said input shaft in a direction opposite to said reaction torque at any one of a plurality of speed ratios thereby providing additional speed ratio drives between said shafts; said last named means including a hydraulic coupling and a variable speed ratio gear set connected between said input shaft and said torque reaction member; and means for changing the speed ratio of said gear set and for controlling said hydraulic coupling so as to at least partially unload said coupling during a speed ratio change of said gear set.

2,544,543
MULTISPEED TRANSMISSION
Francis W. Porter, Marshfield, Mass., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 1, 1949, Serial No. 119,044
8 Claims. (Cl. 74—751)



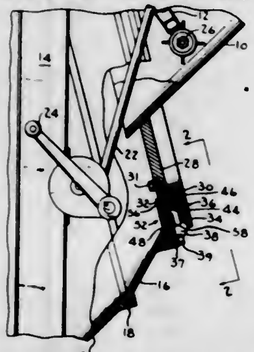
2. In a multi-speed transmission; a planetary gear train comprising an input member, an output member and a torque reaction member; a brake engageable to prevent rotation of said reaction member, said reaction member being arranged to rotate in the direction of the reaction torque acting thereon upon disengagement of said brake during transmission of torque by said gear train; a rotatable member; gearing connecting said rotatable member to said gear train for rotation in the direction of said reaction torque at a speed less than the speeds of said input and output members; and a one-way jaw clutch automatically engageable upon release of said brake to limit the speed of rotation of said reaction member to the speed of said rotatable member; said jaw clutch including clutch teeth on one of said reaction and rotatable members, a clutch member rotatable with the other of said reaction and rotatable members and having clutch teeth; and means including helical splines on said clutch member for moving said clutch member to effect engagement of said clutch teeth when the speed of said reaction member tends to exceed that of said rotatable member.

2,544,544
HEATING SYSTEM
Ray W. Qualley, Dayton, and Alwin B. Newton, Oakwood, Ohio, assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 28, 1946, Serial No. 672,843
12 Claims. (Cl. 219—20)



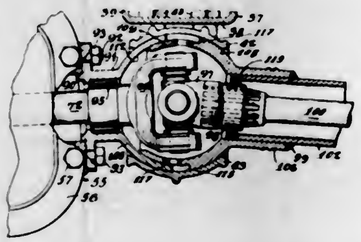
4. In an air conditioning system, a duct, a plurality of electric resistance heaters positioned across said duct, means to circulate air from and to a space through said duct, a control circuit for said heaters including a first thermostatic switch adapted to close when the temperature of said space is below a desired comfortable range, and a second thermostatic switch in series with said first switch and adapted to electrically connect a first one of said heaters with said circuit below a predetermined temperature of the air being treated and to electrically connect a second one of said heaters with said circuit above said predetermined temperature.

2,544,545
MIXER
George A. Rockburg, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 11, 1948, Serial No. 64,745
9 Claims. (Cl. 259—161)



1. A mixer including a mixing drum rotatable about its axis and having an opening in its end, a charging hopper assembly adapted to discharge into said drum centrally of said opening, an end plate adapted for rotation with said drum, bearing means between said hopper assembly and said end plate to permit relative rotation therebetween, said bearing means comprising first and second bearing pieces, said first piece being mounted on said hopper assembly and having an annular surface facing the drum interior, said second piece being carried by said end plate and cooperating with said first piece to retain said hopper assembly and said end plate in assembled relationship, and sealing means between said end plate and said hopper assembly to prevent mix in the drum from contacting said bearing means, said sealing means including, an annular elastic ring having its outer periphery mounted in said end plate, an annular seal mounted on the inner periphery of said ring and contacting said annular surface, said outer periphery of said ring and said annular surface being offset with respect to the drum axis to stress the elastic ring in shear and resiliently maintain said seal in contact with said annular surface, said annular surface being tapered with respect to a plane normal to the drum axis to insure an annular seating surface between the seal and the surface when the seal cocks with respect to a plane normal to said axis due to the shear action on said elastic ring.

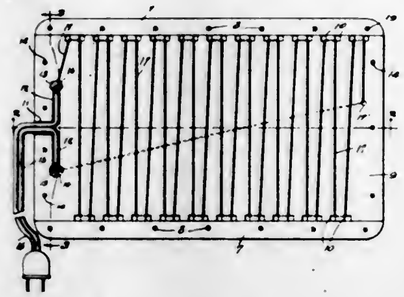
2,544,546
JOINT CONSTRUCTION
Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Original application March 24, 1944, Serial No. 527,982, now Patent No. 2,417,325, dated March 11, 1947. Divided and this application January 29, 1945, Serial No. 575,114
4 Claims. (Cl. 64—32)



1. In combination, a joint construction including a pair of members; said members being respectively formed with internal and external interengaging spherically shaped surfaces; each of said elements being formed with exterior spherically shaped surfaces of equal diameters, means including a pair of supports having spherically curved interior surfaces embracing and in bearing engagement with the exterior spherical surfaces of said members for retaining said members in interengaging relationship, and means for securing said supports together.

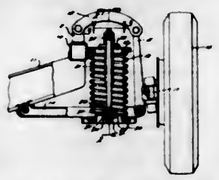
2,544,547
ELECTRICALLY HEATED FLOOR MAT
Charles A. Vogel, Huntington, W. Va.
Application March 21, 1949, Serial No. 82,585
1 Claim. (Cl. 219—19)

In a floor mat a flat rigid bottom plate formed to an outer configuration and area corresponding to the overall area and outer configuration of the floor mat; a pair of side strips of flat, low formation supported upon the opposite longitudinal edges of said bottom plate and defining between them a shallow grid-receiving space; a grid completely filling said space and formed to a height corresponding to the height of said strips and having its top surface flush with the top surfaces of the strips, said grid having spaced notches formed upon its opposite longitudinal edges and said opposite longitudinal edges of the grid being in full contact with the side strips for closing of the notches when the grid is positioned in said space, the grid having at one end a slot opening inwardly from said end and branch slots extending laterally from the inner end of



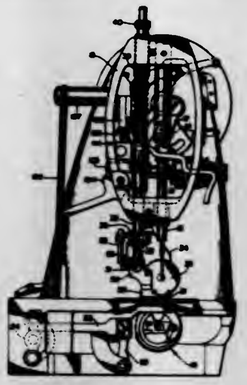
said slot, the branch slots having closed enlarged inner ends; conductive plugs seated in said enlarged inner ends of the branch slots; a resistance wire embedded at opposite ends in the respective plugs and laced through said notches; electric cords extending through the first-named slot and branch slots and embedded in said plugs; a top plate formed to the same area and outer configuration as the bottom plate and completely covering the grid and side strips; and fastening means rigidly connecting the top and bottom plates, side strips, and grid.

2,544,548
SHOCK ABSORBER
Nathaniel Wyeth, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich. a corporation of Delaware
Application November 20, 1947, Serial No. 787,093
4 Claims. (Cl. 267—8)



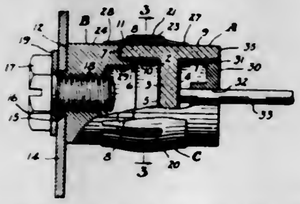
1. In a motor vehicle having a frame means, a suspension assembly comprising upper and lower members pivotally mounted on said frame means, a projection secured to said frame means and extending outwardly therefrom, a coil spring operatively disposed between said projection and said lower member, a hydraulic shock absorber having a reservoir portion and a piston rod extending out of said reservoir portion, said reservoir portion being secured to said projection and depending within said coil spring, a pair of rods disposed within said spring and secured between said piston rod and said lower member, and means associated with said pair of rods for accommodating movement thereof relative to said lower member.

2,544,549
TOP FEED AND PRESSER MEANS FOR SEWING MACHINES
Frederick W. Beck, Webster Grove, and Richard John Babka, St. Louis, Mo., and Richard H. Lukins, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1949 Serial No. 135,968
12 Claims. (Cl. 112—214)



1. In a sewing machine, work feeding devices comprising a four motion feed dog arranged to engage the under surface of the work and intermittently advance the same, vertically movable presser means arranged to engage the upper surface of the work in opposition to said feed dog, a vertically movable feed wheel adjacent said presser means also arranged to engage the upper surface of the work, supporting means including a spring urged presser bar rigidly connected with said feed wheel for retaining the same and urging it against the work, said presser means being mounted for relative sliding movement on said supporting means, spring means reacting between said presser bar and said presser means for urging the latter against the work independently of the force applied to said presser bar, means for rotating said feed wheel intermittently, and means carried by said presser means cooperating with said supporting means for guiding said presser means and preventing turning thereof in its movements relative to said supporting means.

2,544,550
CAPACITOR
James R. Bird, Chagrin Falls, Ohio, assignor to Bird Electronic Corporation, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1947, Serial No. 794,967
18 Claims. (Cl. 175—41.5)

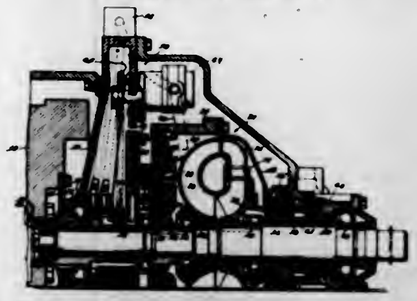


4. In combination in a device for use in an electrical circuit, a member having a substantially cylindrical portion and a conductive thin metal sleeve of substantially circular section resiliently embracing said portion of the member and slidable axially therealong, the sleeve having a crowned circumferentially extending central portion of greater diameter than the end portions of the sleeve so the end portions maintain relatively tight circumferential grips on spaced zones of the cylindrical portion of the embraced member and an annular clearance is provided between the crowned portion of the sleeve and that area of the cylindrical portion disposed between said spaced zones.

5. In combination in a capacitor of the type having an insulating body and armatures comprising metallic coatings on the body, the improvement which comprises a conductive member of cylindrical shape rigidly joined to the body and in electrical contact with one of the coatings, and a metal adjusting sleeve embracing the cylindrical member, in electrical contact therewith, and slidable axially thereover, the sleeve being movable to different positions in which it substantially surrounds the insulating body and is in substantially circumferential contact with the cylindrical member.

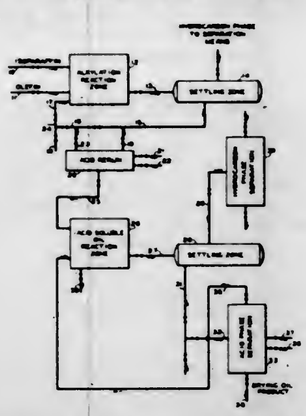
6. In combination with a capacitor of the type having an insulating body and armatures comprising metallic coatings on the body, mounting means comprising a panel having an elongated slot therein, a conductive member rigidly joined to the body and electrically connected to one of the coatings, said member having an end face positioned flatwise against the panel and the end face having a raised portion mating with the slot to restrain relative turning of the member on the panel whereby the member is slidable on the panel longitudinally of the slot with the raised portion guided in the slot, and separable means connected to the member and extending through the slot for holding the member in said position.

2,544,551
FLUID COUPLING AND CLUTCH
James B. Black, Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application July 9, 1947, Serial No. 759,829
8 Claims. (Cl. 192—3.2)



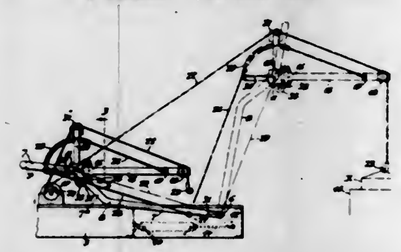
1. In a power transmission, the combination of a driven shaft, hydraulic power circuit means connected to the shaft, first hydraulically actuated clutch means for connecting the circuit means to a power source, second hydraulically actuated clutch means shiftable between positions providing and interrupting a direct drive between the source and shaft while the first clutch means is engaged, and a hydraulic pressure system including both clutch means and a control valve, the valve being operable to determine the actuation of both clutch means.

2,544,552
PRODUCTION OF DRYING OILS BY TREATMENT OF ACID-SOLUBLE OILS WITH HYDROFLUORIC ACID
Paul H. Carnell, Alma, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 19, 1947, Serial No. 792,824
7 Claims. (Cl. 260—683.4)



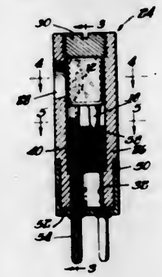
1. A process for the production of a drying oil which comprises reacting in an alkylation step an isoparaffin and an olefin in the presence of hydrofluoric acid as a catalyst under alkylating conditions to form alkylate product, separating from effluent of said alkylating step a hydrocarbon phase containing said alkylate product and a hydrofluoric acid phase containing acid-soluble oil as a by-product of said alkylation step, separating said acid-soluble oil from said hydrofluoric acid phase; contacting said acid-soluble oil as a liquid in a conversion step in the presence of a catalyst comprising liquid hydrofluoric acid for a duration of at least 20 minutes at a temperature in the range of 200–600° F., at a pressure sufficient to maintain liquid phase conditions and at a ratio of said acid-soluble oil to said catalyst in the range of 0.2:1 to 2.0:1, separating from the effluent of said conversion step a hydrocarbon phase and an acid phase, the last said acid phase containing an unsaturated rapid drying oil product dissolved therein, and recovering said rapid drying oil from said acid phase.

2,544,553
HOIST MECHANISM
Lourie L. Eakin, Ventura, Calif.
Application December 19, 1947, Serial No. 792,791
6 Claims. (Cl. 212—59)



1. An apparatus for handling objects, comprising: a support; a boom pivotally mounted on a substantially horizontal axis on said support to adapt it for angular adjustment; a crane arm pivoted on a vertical axis on said boom to adapt it to pivot in a horizontal plane; and a cable of a length substantially equal to the distance between the pivotal mounting of the boom and the mounting of the crane arm on the boom, said cable being connected between said crane arm and said support for maintaining said arm in horizontal position during all positions of angular adjustment of said boom.

2,544,554
MOUNTING FOR PHOTOELECTRIC CELLS
Oscar J. Holmes, Chicago, Ill.
Application March 26, 1948, Serial No. 17,232
4 Claims. (Cl. 201—63)



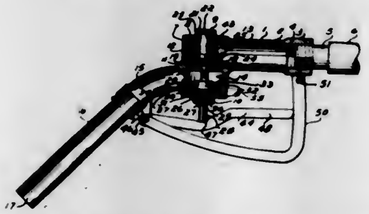
1. A photo-conductive cell comprising an evacuated envelope having a light transparent portion provided with a photo-conductive coating and lead-ins extending from said coating outside said envelope, a housing for said member, said housing having a light transmitting window, a resilient support in said housing for said envelope, said support having locating surfaces engaging said lead-ins to orient the photo-conductive coating of the envelope, said support and said housing being constructed and arranged automatically to align the coated portion of the envelope with respect to said window upon insertion of the envelope and support in said housing, and means adjustably carried by said housing and engageable with said envelope to adjust the envelope axially of the housing against the resilient action of the support to align the coated area with respect to the axis of the light transmitting window of the housing.

2,544,555
REACTION OF DIOLEFIN POLYMERS WITH HYDROGEN AND CARBON MONOXIDE
Jean P. Jones and William Nelson Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 6, 1948, Serial No. 25,523
12 Claims. (Cl. 260—82)

1. A process for the preparation of a resinous oxygen-containing material from a polymer of a conjugated diolefin containing from 4 to 6 carbon atoms in the molecule, having a viscosity within the limits of 200 and 11,000 SUS as measured at 100° F. and having a molecular weight within the limits of 200 and 2,000, comprising reacting such a polymer with hydrogen and carbon monoxide in the presence of a catalyst active in the hydrogenation of carbon monoxide with hydrogen for a contact time of at least 10 minutes, at a temperature within the limits of

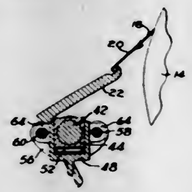
100 and 400° F., and at a pressure within the limits of 50 and 4500 p. s. i., and recovering a resinous oxygen-containing material from the reaction mixture as a product of the process.

2,544,556
NOZZLE
Max J. Kunert, Kansas City, Mo., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application January 31, 1949, Serial No. 73,723
1 Claim. (Cl. 299—149)



A nozzle of the character described including valve housing provided with a partition intermediate outlet and inlet passageways through said nozzle, said partition having a port encircled by a valve seat on the side of the inlet passageway, a valving member for said seat having a guide stem on the seating side of the valving member and a stem carrying a guide head on the unseating side, a spring normally retaining the valve in seated position, said housing having guides for said stem and head respectively, a diaphragm extending across said head and having its periphery in sealed engagement with the valve housing, said diaphragm being spaced from said head guide, a diaphragm actuating member engaging the opposite side of the diaphragm, and an operating lever pivotally mounted on the nozzle and engaged with the diaphragm actuating member to effect unseating of the valving member through said diaphragm, said guide means for the stem including a stop for engaging the end of the stem on the seating side of the valving member and spaced from the end of the stem a less distance than the spacing between the diaphragm and said head guide for limiting unseating movement of the valving member.

2,544,557
OSCILLATING DOCTOR FOR PAPER MACHINES
William Lyon, Prestwich, near Manchester, England, assignor to Messrs. Walmsleys (Bury) Ltd., Bury, England, a British company
Application August 27, 1947, Serial No. 770,807
In Great Britain March 1, 1945
9 Claims. (Cl. 92—74)



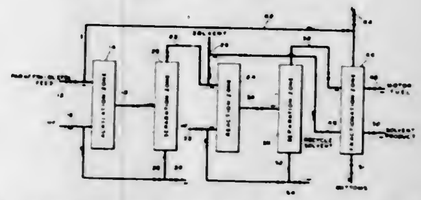
1. Doctor blade mechanism comprising: a rigid doctor blade support; a pair of axially aligned stub shafts rigidly secured, one at each end of said support; a pair of integral bearing members each rotatably receiving and enclosing one of said stub shafts with an ordinary journal fit, said bearing members having polygonal exterior cross-section, and a pair of supports slidably receiving said bearing members, said supports comprising troughs conforming to the exterior cross-section of said bearing members, the upper sides of said troughs being open to permit removal of the bearing members therefrom.

2,544,558
MULTIPLE OUTLET NOZZLE
Peter Graham MacGregor, Pequanneck, N. J., assignor to Fyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Original application August 2, 1940, Serial No. 349,916. Divided and this application April 15, 1943, Serial No. 483,109
1 Claim. (Cl. 299—141)



A nozzle for projecting jets of fluid comprising a tubular member having separate spaced transverse slits therein for projecting jets of fluid, and intersecting slits therebetween for projecting an additional jet of fluid.

2,544,559
METHOD FOR PRODUCING A LOW ODOR NAPHTHA
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 14, 1947, Serial No. 779,738
8 Claims. (Cl. 260—683.4)



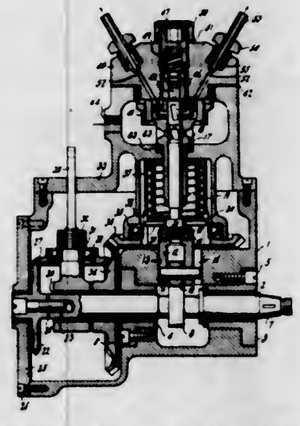
1. A method for producing a low-odor naphtha which comprises admixing a straight run naphtha having a boiling range within the limits of 300 to 550° F and containing odor-producing compounds, with hydrocarbon effluent recovered from a zone of an isoparaffin-olefin alkylation conducted in the presence of a liquid alkylation catalyst, contacting the resulting hydrocarbon admixture with a liquid alkylation catalyst at a temperature within the range of from 50 to 150° F., a pressure in the range of from 50 to 125 p. s. i. g. for a contact time within the limits of from 5 to 60 minutes, separating a hydrocarbon phase from effluent of the last said contacting, from said hydrocarbon phase separating an alkylate fraction boiling in the motor fuel range, a naphtha fraction boiling above said motor fuel range and not higher than 550° F., and a residual fraction boiling above 550° F., said naphtha fraction comprising said straight run naphtha freed of a major portion of its odor producing components together with a minor portion of alkylate formed in said alkylation

zone, said naphtha fraction containing surviving odor producing compounds concentrated in a lowest boiling portion thereof and having a volume not exceeding 25 per cent of the volume of said straight run naphtha, separating said lowest boiling portion from said naphtha fraction, and recovering a low-odor naphtha fraction boiling in a range above that of said lowest boiling portion and below 550° F. as a product of the process.

2,544,560
FLUORINATION OF SATURATED HALOCARBONS WITH LEAD TETRAFLUORIDE
Earl T. McBee, La Fayette, Ind., and Richard M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application December 20, 1945, Serial No. 636,268
4 Claims. (Cl. 260—648)

1. The process for the fluorination of a saturated polycarbon halocarbon to replace, with fluorine, all halogen atoms other than fluorine with retention of the carbon skeleton of the molecule, which includes the steps of (1) vaporizing a saturated polycarbon halocarbon containing in the molecule at least one halogen atom other than fluorine, (2) heating the vapor of the saturated halocarbon in contact with lead tetrafluoride in a reaction zone maintained at a temperature between about 150 and 500 degrees centigrade to cause replacement, with fluorine, of all halogen atoms other than fluorine in the molecule, and (3) condensing from the effluent product a saturated compound containing only carbon and fluorine and having the same carbon skeleton as the starting saturated polycarbon halocarbon.

2,544,561
FUEL INJECTION PUMP
Wolfgang E. Meyer, New York, N. Y., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application June 11, 1945, Serial No. 598,754
13 Claims. (Cl. 103—2)

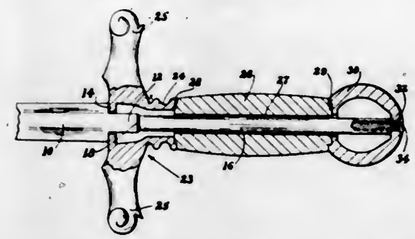


1. In an internal combustion engine fuel injection pump, a housing, a bore in said housing, a plunger in said bore, means for reciprocating and rotating said plunger simultaneously, supply and delivery port means in said housing and communicating with said bore and port means on said plunger for connecting said supply and delivery port means for delivering fuel to each of the engine cylinders, and means for changing the relation between the reciprocating and rotary motions of the plunger to vary the effective pumping stroke of the pump and thereby vary the quantity of fuel to be injected.

2,544,562
PROCESS FOR RECOVERING ALDEHYDES AND KETONES
Vesta F. Michael, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application July 18, 1947, Serial No. 762,001
5 Claims. (Cl. 260—586)

1. In a process for the recovery of a carbonyl compound selected from the group consisting of aldehydes and ketones from a mixture comprised thereof, the steps which comprise adjusting the pH of an aqueous solution of a water soluble bisulfite to a value between about 5 and 8, said solution consisting essentially of a mixture of sulfite and bisulfite ions, thereafter mixing said aqueous solution with said mixture containing said carbonyl compound to form the corresponding bisulfite adduct of said carbonyl compound, and heating the resulting mixture to a temperature above the decomposition temperature of said adduct without the addition of alkali to said mixture subsequent to the formation of said bisulfite adduct.

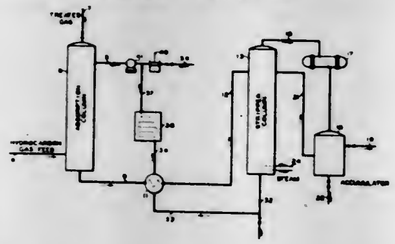
2,544,563
SWORD
Frederick W. Moehle, Attleboro, Mass. assignor to V. H. Blackinton & Co., Inc., North Attleboro, Mass., a corporation
Application May 2, 1949, Serial No. 90,859
1 Claim. (Cl. 30—342)



A sword comprising a blade having a reduced portion at its rear end that is rectangular in cross section whereby said blade provides a shoulder, an elongate heel abutting and attached to said blade reduced portion having a screw-threaded hole therein extending inwardly from its outer end, a cross guard embodying an inner extension portion having an inner flat surface adjacent said reduced portion whereby rotation of said cross guard relative to said blade reduced portion is prevented, another part of said extension portion having a flat surface abutting against said shoulder, and a grip member extending around a portion of said heel and bearing against said cross guard, a pommet extending around and supported by said heel rearwardly of and abutting said grip member and having a hole therethrough, and a screw extending through an outer portion of said pommet and screw-threadedly connecting

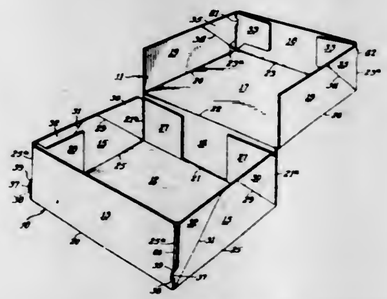
with said screw-threaded portion of said heel and holding said blade, cross guard, grip member and pommet in abutting relationship.

2,544,564
METHOD OF PREVENTING FOAMING OF AQUEOUS ABSORPTION LIQUIDS WHEN EMPLOYED IN THE REMOVAL OF ACID CONSTITUENTS PRESENT IN GASEOUS MIXTURES
Ivan A. Peterson and Everett S. Palmer, Jr., Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1948, Serial No. 146
6 Claims. (Cl. 23—2)



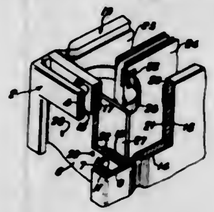
1. In a process for removing acidic constituents from a gaseous mixture by action of an aqueous solution of an ethanolamine, the improvement which comprises preventing foaming by adding to said aqueous amine a solution of stearyl alcohol in isopropyl alcohol, said solution of stearyl alcohol comprising stearyl alcohol in an amount from about 10 per cent to about 60 per cent on a weight basis and the remainder isopropyl alcohol, said solution of alcohol being added to said aqueous solution in an amount to provide a concentration of stearyl alcohol therein in the range of 5 to 20 parts per million parts ethanolamine.

2,544,565
COLLAPSIBLE CARTON
Lawrence H. Phillips, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application October 28, 1949, Serial No. 124,178
3 Claims. (Cl. 229—33)



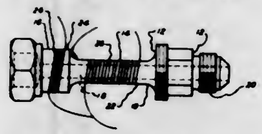
1. A paperboard carton including a tray and a cover of substantially the same depth hinged along the rear edges thereof, the tray comprising a bottom panel with a front wall, rear wall and end walls substantially perpendicular thereto extending from the edges thereof, the front end edge of each of the end walls adjacent the front wall being offset inwardly of the plane of said front wall a substantial distance and having a projection extending outwardly of the plane of the front wall, the cover comprising a top panel with front and end walls corresponding to said tray walls adapted to extend about the tray walls when the cover is disposed over the tray, the cover wall corresponding to said front wall of the tray having an opening therein at each end thereof adapted to receive said projection upon disposition of the cover over the tray to prevent separation thereof, the offset relation of said end edge affording positive clearance between the outer corner formed by said tray walls and the inner corner defined by said cover walls, whereby jamming of the cover in closing movement over the tray is prevented and positive locking engagement of the projection in the opening is facilitated.

2,544,566
ALBUM
Joseph K. Rose, Chicago, Ill.
Application June 28, 1946, Serial No. 680,286
7 Claims. (Cl. 281—31)



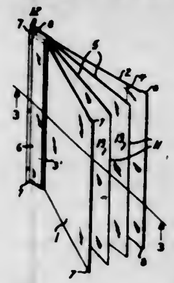
1. In an album, a back, a pair of covers, a pocket structure comprising a rigid rectangular frame spaced from said back, and binding material covering the rear surfaces of all four walls of said rectangular frame, said binding material being extending from two of said walls and adhered to said covers, the space between one wall of said rectangular frame and said back being open.

2,544,567
ELECTRICAL RESISTANCE PRESSURE RESPONSIVE GAUGE
Harwood F. Rundell, Jackson, Mich., assignor to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application April 22, 1947, Serial No. 743,215
11 Claims. (Cl. 201—63)



1. In a pressure analyzer, a pick-up element comprising a cylinder defining an aperture into which fluid under pressure may be introduced, a tension wound filament of high resistance and small diameter to react to pressure and temperature influences, a tension wound filament of high resistance and small diameter to react to temperature influences, an anodized surface on a relatively thin walled portion of said cylinder adapted to receive said first filament, an anodized surface on a relatively thick walled portion of said cylinder adapted to receive said second filament, and a Wheatstone bridge circuit comprised in part by said two filaments, the tension winding of said filaments being relied upon to maintain the desired intimate contact with the said cylinder surfaces, as distinct from the employment of bonding media, and the anodized cylinder surfaces upon which the filaments are wound rendering the surfaces sufficiently hard as to permit the use of considerable tension in the winding of the filaments, while affording efficient electrical insulation.

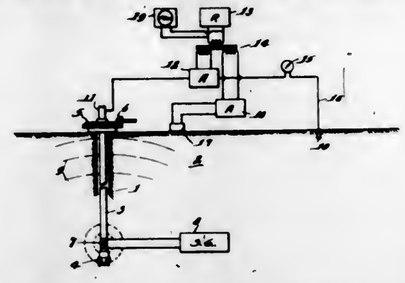
2,544,568
REVERSIBLE BOOK
Joseph H. Shepherd, St. Louis, Mo.
Application April 21, 1947, Serial No. 742,854
2 Claims. (Cl. 281—15)



1. A reversible book comprising a pair of unconnected covers and leaves therebetween, said leaves being formed of a continuous strip of material so folded that each longitudinal edge of each leaf comprises a fold of said material, the free ends of said strip of material being respectively secured to one of said covers at opposite sides of said book and said leaves being so formed that the two surfaces of said material do not contact each other at any point in said book, a slidable binding member longitudinally surrounding said covers, said binding member being unanchored and transversely slidable to either side of said book to permit said book to be opened from the opposite side, stop members on said covers to prevent disengagement of said covers, leaves, and binding member, and means on the inner surfaces of said covers to facilitate opening of said covers.

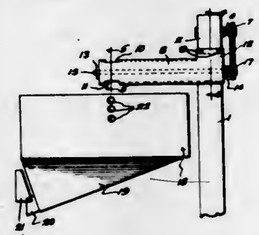
2,544,569
SIGNALING SYSTEM
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 17, 1946, Serial No. 716,860
4 Claims. (Cl. 255—1)

4. In a well signaling system for use in a well during rotary drilling, means for introducing electrical signals into the portion of the earth subjected to seismic disturbances by said drilling, means coupled to the earth for receiving said electrical signals after transmission through the earth, said receiving means being sensitive also to electrical disturbances in the earth due to the seismic-electric effect of said drilling, an electric generator independent of said receiving means and coupled to the drilling device for generating a potential having a frequency proportional to the speed of rotation of the drill, and an electrical circuit coupled to said signal-receiving means and to said generator for combining the outputs of said signal-receiving means and of said electric generator in such time and



phase relationship that said generator output is in electrical opposition to at least one component of said electrical disturbances received by said signal-receiving means.

2,544,570
GRAIN BIN LOADER
Halbert C. Sturgeon, Hugoton, Kans., assignor to David Fransen and Lillian W. Fransen, both of Wichita, Kans.
Application April 15, 1946, Serial No. 662,236
2 Claims. (Cl. 198—69)

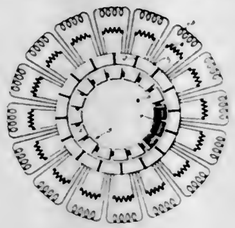


2. In a combine harvester thresher including a grain storage bin carried by the harvester and a grain elevator for elevating grain from the thresher upwardly above said bin, a bin loader including a horizontally arranged tubular housing having an inlet at one end in connection with the discharge of the elevator and having top and bottom discharge openings located substantially above the center of the bin, a screw conveyor rotatable in the tubular housing for moving grain discharged from the elevator to the bottom discharge opening until the grain pile in the bin closes said discharge opening and then for discharging the grain upwardly through the top discharge opening for outward and downward movement for filling in space remaining in said bin.

2,544,571
WOUND ROTOR INDUCTION MOTOR WITH AUTOMATIC SHORT-CIRCUITERS
Philip H. Trickey, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. a corporation of New Jersey
Application March 11, 1948, Serial No. 14,376
2 Claims. (Cl. 318—236)

1. A polyphase induction motor comprising a stator, separate windings on said stator, each winding having an axis displaced angularly from the axes of the other windings, a rotor

having a laminated core with longitudinal slots in the peripheral surface thereof, a commutator having insulated conducting segments, a series of winding coils of low resistance and a series of winding coils of high resistance located in said slots, each of said coils being connected to ad-



jacent commutator segments so that a low resistance coil is in series with a corresponding high resistance coil, and means, responsive to a motor condition for electrically connecting all the commutator segments together by a path of negligible electrical resistance.

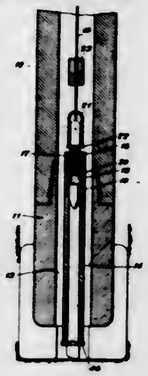
2,544,572
FELT CONDITIONER FOR USE IN PAPERMAKING
Frederick William Vickery, Guildford, England, assignor to Vickerys Limited, London, England
Application November 16, 1948, Serial No. 60,253
In Great Britain November 18, 1947
5 Claims. (Cl. 92—50)



1. For use with a felt conditioner shoe having a vacuum chamber containing spaced channels of fluid supply, a cover plate for said shoe formed of hard rigid material, said plate having spaced openings to communicate with said vacuum chamber and spaced orifices to communicate with said fluid supply channels, each of said orifices being elongated in the direction of the width of the plate and each containing a detachably mounted nozzle formed of resilient material whereby to conform to the walls of the orifices and to form a seal between the vacuum chamber and the channels of fluid supply, each of said nozzles having elongated fluid delivery apertures of predetermined cross-section.

2,544,573
METHOD AND MEANS FOR DRILLING
Renic Price Vincent, Tulsa Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application January 29, 1946, Serial No. 643,993
6 Claims. (Cl. 255—1.8)

6. In the method of producing a well bore traversing hard earth formations, the steps which comprise cutting an initial bore in a formation, flushing drill cuttings from the bottom of the well bore, explosively fracturing the formation below said bore, and drilling through the fractured portion of the formation to extend said bore without



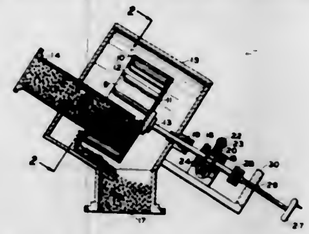
withdrawing the drill bit and drill stem from the well bore.

2,544,574
CATALYST REGENERATION
Scott W. Walker and Allen G. Eickmeyer, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application September 25, 1947, Serial No. 776,156
6 Claims. (Cl. 260—449.6)

5. In the process wherein compounds of higher molecular weight are synthesized from hydrogen and carbon monoxide in the presence of a dense phase liquid-like mass of a finely divided iron catalyst comprising a substantial proportion of free iron and wherein a carbonaceous material is deposited upon the finely divided iron during the synthesis thereby reducing the density of the catalyst, the improvement which comprises contacting a portion of the catalyst containing said carbonaceous material at an elevated temperature and in a dense phase liquid-like condition with a gaseous mixture which is capable of reacting with the carbonaceous material but is substantially neutral with respect to said iron at an elevated temperature between about 600 and about 1300° F., said gaseous mixture consisting essentially of hydrogen and between about 5 and about 40 volume percent water vapor, the volume percent of water vapor permissible in said mixture increasing with temperature by increments of 5 volume percent for each 100 degrees of temperature above 600° F. whereby a catalyst substantially free of carbonaceous material is obtained and the original proportion of free iron in the treated catalyst is substantially unchanged.

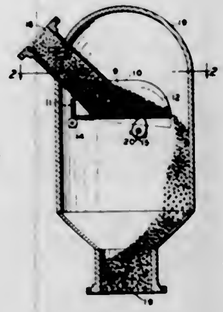
2,544,575
PEBBLE FEEDER
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 21, 1948, Serial No. 34,316
7 Claims. (Cl. 214—35)

1. A pebble feeder device for regulating the flow of pebbles in a pebble heater apparatus, comprising an obliquely positioned rotatable feeder barrel having an open top, a closed bottom, and a corrugate inner wall; a casing enclosing said feeder barrel; a conduit for admitting pebbles from said pebble heater to said feeder barrel; said conduit having a cross section smaller than that of said feeder barrel and extending through said casing into the open top of said barrel a spaced minimum distance of one pebble diameter from the bottom, said conduit so extending that its projected axis intersects the bottom of said feeder barrel in the first lower quadrant thereof numbered in its direction of rotation and so that the terminated end of said conduit lies in a plane parallel to said bottom; an exteriorly disposed rotatable shaft



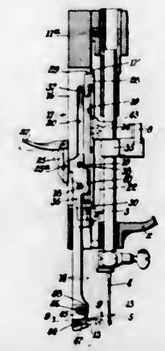
support for said barrel attached axially and rigidly to the bottom thereof and extending through said casing, means for adjustably rotating said shaft, means for adjustably moving said shaft in an axial direction, thereby providing means for altering the rate of rotation of said feeder barrel and the axial position of said feeder barrel with respect to said conduit so as to regulate the flow of pebbles in said pebble heater; and pebble outlet means in a lower portion of said casing for discharging pebbles overflowing said feeder barrel.

2,544,576
PEBBLE FEEDER
Louis J. Weber, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 21, 1948, Serial No. 34,317
6 Claims. (Cl. 263—19)



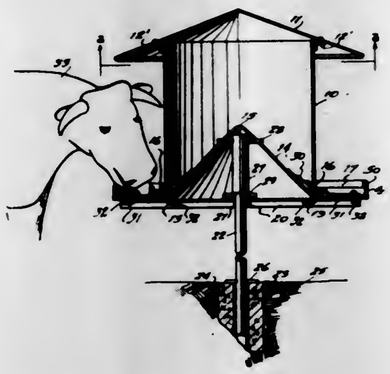
4. A pebble feeder device for continuously regulating the flow of pebbles in a pebble heater, comprising a pebble receptacle having an open top and one open end; a casing enclosing said receptacle, said casing being pressure tight at a pressure within the limits of 0.5 and 10 p. s. i. g.; a conduit for admitting pebbles to said receptacle, said conduit extending through said casing into the open top of said receptacle so that the projected axis of said conduit intersects the bottom of said receptacle at a point within the half portion adjacent the closed end, said conduit extending into said open top at an angle with the horizontal within the limits of 15° to 90° and being inclined so as to deliver pebbles in a direction toward said open end; pivotal support means for said receptacle at its closed end, said pivotal support means comprising a first shaft horizontally disposed and pivotally attached to said receptacle subjacent the closed end thereof and extending interiorly across said casing, bearing support means for said first shaft; movable support means for said receptacle at its open end, said movable support means comprising a cam subjacent the bottom of said receptacle and a second shaft reversibly rotatable and parallel to said first shaft and extending through at least one side of said casing and interiorly across same subjacent the bottom of said receptacle intermediate its ends, said cam being rigidly attached to said second shaft; bearing support means for said second shaft, drive means for reversibly rotating said second shaft at a variable rate through a predetermined arc whereby said cam causes said receptacle to oscillate at a variable rate and amplitude through an arc having a radius originating with the point of said pivotal support; said receptacle when oscillating causing pebbles to continuously overflow said open end at a rate dependent upon the rate and amplitude of said oscillation, and receptacle oscillating at a variable rate and amplitude; and outlet means in said casing for discharging pebbles overflowing said open end.

2,544,577
NEEDLE-THREADING MECHANISM FOR SEWING MACHINES
Max E. Weber, Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 6, 1948, Serial No. 53,008
10 Claims. (Cl. 112—225)



1. In a sewing machine provided with a reciprocating needle having a thread-eye; a needle threader carried by the sewing machine and comprising a carrier-arm, a threading element carried by said carrier-arm, means to shift said carrier-arm and threading element lengthwise of said needle to align said threading element with said thread-eye in any one of a plurality of vertical positions of said needle, means to swing said carrier-arm and threading element to a position in which a portion of the threading element is projected through said thread-eye to receive therein a thread, and means to retract said carrier-arm and threading element to draw a portion of said thread through said thread-eye.

2,544,578
SELF-FEEDING DEVICE FOR LIVESTOCK
Orville R. Winkler, Fort Worth, Tex.
Application March 31, 1947, Serial No. 738,297
2 Claims. (Cl. 119—54)



1. In a self-feeder for livestock and poultry, having a cylindrical hopper adapted for rotation on a standard and having a conical bottom extending upwardly into said hopper and surrounded by an annular trough integrally secured to said hopper and said bottom and extending laterally therefrom, the combination comprising a plurality of slots formed in the wall of said hopper at the base of said conical bottom, an agitator bar arranged in each of said slots and having its outer end pivoted in the bottom of said trough and its opposite end operatively extending into its respective slot, and a pair of springs in said hopper secured to said conical bottom engaging each of said agitator bars retaining the same in operative position.

2,544,579
COLOSTOMY PROTECTOR
Frank J. Ardner, Highland Park, Mich.
Application June 29, 1949, Serial No. 101,149
6 Claims. (Cl. 128—283)



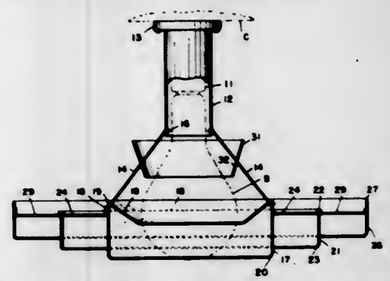
1. A receptacle-forming colostomy protector, comprising a bowl-shaped member for applying pressure at its margin to the human body, the major portion of said member being outwardly spaced from said body and having a centrally indented portion forming a cavity, exteriorly of said member, and having a gas vent to said cavity from the interior of said member, the margin of said member being bent outwardly from the axis of said member and curved to diverge from the human body in seating said member, a belt for attaching the protector to the human body, means for positioning the protector on the belt, occupying a central relation to said cavity and affording a vent from the cavity, a cover for the cavity interposed between the belt and said member, and filter means within said cavity.

2,544,580
RAIN-DRAIN ATTACHMENT FOR AUTOMOBILE TOPS
Ovila J. Blanchet, New Bedford, Mass.
Application February 4, 1949, Serial No. 74,550
1 Claim. (Cl. 296—135)



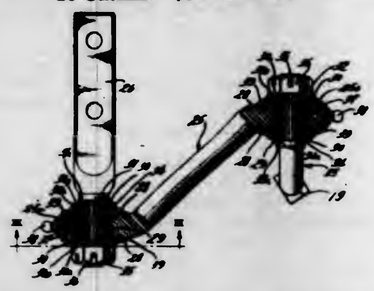
A drain member for attachment to the top covering of a vehicle having a downturned edge having a lining strip covering said edge, said member comprising a trough having an open end and hooks affixed to one side of the trough and turned inward to engage the strip at its upper portion to suspend the trough at an incline from the edge of the top, the hooks holding the trough in position to envelop the downturned edge on both inner and outer faces, said trough having outward bent edges along its sides, the inner of said bent edges being higher than the outer.

2,544,581
INDIRECT LIGHTING FIXTURE
Marcus Bodian, Los Angeles, Calif., assignor to Sunbeam Lighting Company, Los Angeles, Calif., a partnership
Application March 28, 1949, Serial No. 83,815
6 Claims. (Cl. 240—78)



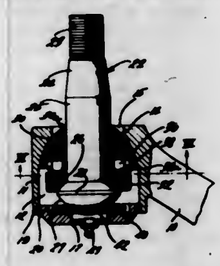
1. An indirect lighting fixture utilizing ceiling reflection and adapted for use with a bulbous reflector type high intensity lamp comprising a plurality of vertically disposed cylindrical shields arranged coaxially, including an inner shield disposed around and at a distance from the light source, the length of said inner shield being greater than the length of any other shield and its lower edge being below the lower edge of any other shield, and an outer shield having its top edge level with the top edge of said inner shield; bracket means attached to said inner shield for supporting said outer shield; a lower inverted cone reflector depending from the upper edge of said inner shield and substantially covering the central opening of said inner shield, said reflector having an axial aperture to admit a reflector type bulbous lamp; an upper inverted cone reflector disposed above the upper edge of said inner shield; means to support said upper shield; intermediate shielding means disposed between said inner and said outer shield; and means to suspend said fixture from the ceiling.

2,544,582
BEARING ASSEMBLY FOR STEERING LINKAGE AND THE LIKE
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio a corporation of Ohio
Application March 4, 1946, Serial No. 651,800
10 Claims. (Cl. 280—96)



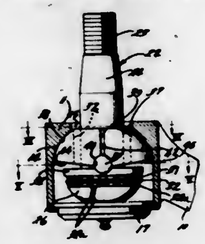
6. In an idler arm having eye end portions for connection to the cross link in a parallelogram type steering linkage, the improvement of parallel sockets in the opposite ends of the arm disposed in planes substantially parallel to a horizontal plane through the cross link, each socket comprising a socket housing integral with said idler arm and having opposed inwardly converging bearing walls on opposite sides thereof, opposed bearing members in said socket housing having bearing surfaces in bearing engagement on the bearing walls thereof and converging in the same direction as the bearing walls, a stud extending through said socket housing and through the opposed bearing members, means connecting said stud and said bearing members for co-rotation, and means held under compression between said stud and one of said bearing members for urging the members toward each other in the direction of convergence of the bearing walls of said socket housing to maintain bearing engagement of the bearing members on said bearing walls.

2,544,583
BALL JOINT
James H. Booth, Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 24, 1947, Serial No. 781,997
9 Claims. (Cl. 287—90)



4. A joint structure comprising a housing having a segmental spherical bearing surface, a stud disposed in said housing and having a segmental spherical bearing portion, an anti-friction bearing assembly between said housing and said stud and having one race with a segmental spherical surface tiltable in said housing and the other race with a segmental spherical surface tiltable on said stud bearing portion and a support member anchored in said housing and abutting said stud to hold the bearing surfaces in engagement.

2,544,584
BALL JOINT
James H. Booth, Corunna, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 24, 1947, Serial No. 781,999
10 Claims. (Cl. 287—90)



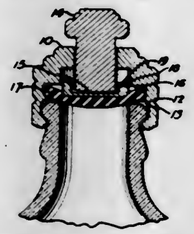
3. A joint structure comprising a housing, a stud having a shank projecting from said housing and a head on the end of said shank disposed in said housing, a ring member in said housing encircling the shank of said stud and having diametrically opposed trunnions, a seat member receiving the shank of the stud therethrough and tiltable in said housing, said seat member having bearing portions tiltably mounting said trunnions, anti-friction bearings between the ring member and the head of the stud, said stud being rotatable about its own axis on said anti-friction bearings in said seat member, tiltable in one plane relative to the seat member about the trunnions of said ring member as an axis and abutting the seat member when tilted in another plane to tilt the seat member in the housing, and resilient means acting against the head of said stud to urge the head against the anti-friction bearings, to urge the anti-friction bearings against the ring member, to urge the trunnions of the ring member against the seat member, and to urge the seat member against the housing for maintaining all of the parts in operative bearing relation.

2,544,585
ADHESIVE OF WATER REMOISTENABLE TYPE FROM LIGNIN SULFONIC ACID AND POLYVINYL ALCOHOL AND PROCESS INVOLVED IN ITS PREPARATION AND USE
Donald S. Bruce and Howard L. Heise, Troy, Ohio, assignors to Gummed Products Company, Troy, Ohio, a corporation of Ohio
No Drawing. Application October 12, 1948, Serial No. 54,196
3 Claims. (Cl. 260—17.5)

3. An adhesive composition of the water remoistenable type comprising lignin sulfonic acid and polyvinyl alcohol and containing, as a hygroscopicity inhibitor, a salt of a strong acid and weak base, such salt being of the class consisting in isomorphic alums of the class consisting in potash alum, soda alum, chrome alum and seleni-

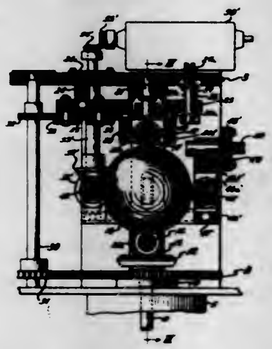
um alum, the hygroscopical inhibitive effect of such inhibitor being fixed by the addition of an insolubilizing fixing ingredient of the class consisting in urea and dicyandiamide.

2,544,586
BOTTLE CAP
William P. Cady, Glendale, Calif.
Application September 16, 1947, Serial No. 774,276
3 Claims. (Cl. 215—38)



1. In a bottle cap, the combination which comprises a body, a screw threaded into the top of the body, a semi-annular projection on one side of the bottom of the body having an internal groove lying in a plane transverse to the axis of the screw so that the bead of a bottle top may be slid laterally thereinto, an annular groove on the inside of the body spaced above the said internal groove and in a plane parallel thereto, a flexible diaphragm of substantial thickness held inside the body in said annular groove above the projection and extending across the body in a plane transverse to the axis of the screw, and a contact disc disposed in the body between the diaphragm and the lower end of the screw and depressible downward by the screw to distort the diaphragm downward against the bead.

2,544,587
COMPONENT RESOLVER FOR MAPPING APPARATUS
Raymond T. Cloud, Houston, Tex., assignor to North American Geophysical Company, Houston, Tex., a corporation of Texas
Application March 5, 1948, Serial No. 13,279
1 Claim. (Cl. 74—209)



In a vehicle-carried mapping apparatus of the type employing a hollow support casting having a spherical element mounted for fully universal movement therein to decompose the relative displacement of said vehicle into rectilinear components by means of friction rollers bearing upon the element at diametrically opposed points, certain of said rollers being adapted to rotate said element in response to the speed and direction of travel of said vehicle, the improvement comprising a bearing support member, a bearing means supported on said member, a roller journalled for rotation in said bearing means, one end of said bearing support member being pivotally mounted to said hollow support casting, the other end of said bearing support member having an adjustable bolt-like retainer operatively connected thereto, a coil spring around said retainer and having one end thereof bottomed against said bearing support member to resiliently load the roller into contact with the spherical element, and means between said retainer and said support casting to adjustably position the retainer to selectively vary the spring loading on the roller.

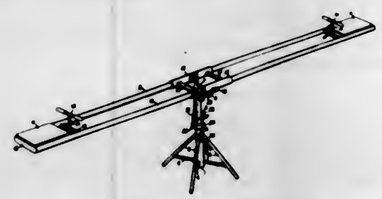
2,544,588
TONSIL ENUCLEATOR
Samuel M. Cottrell, Richmond, Va.
Application July 7, 1950, Serial No. 172,559
7 Claims. (Cl. 128—309)



1. A tonsil enucleator comprising an elongated shank provided with an enlarged distal extremity having an oval-shaped aperture therein, an enlarged portion on the opposite extremity of said shank provided with a longitudinally disposed recess, a pistol grip handle depending from said shank adjacent said opposite extremity, a cutting blade supported upon said shank and movable longitudinally thereof, said cutting blade including an enlarged distal extremity provided with an oval-shaped aperture substantially identical in size to the aperture in said shank, the peripheral wall of the aperture in the cutting blade being perpendicularly disposed with respect to the longitudinal axis of said blade, a screw-threaded shaft on the opposite extremity of said cutting blade receivable within the recess in said shank and projecting through the end wall thereof, threaded means engaging the projecting extremity of said shaft and operable to move said cutting blade in a direction toward said handle, an upper blade complementary in configuration to said shank, an enlarged distal extremity on said upper blade having an oval-shaped aperture therein substantially identical in size to the aperture in said shank and coinciding therewith, the opposite extremity of said upper blade being receivable within the recess in said shank, diametrically opposed ears formed integrally on the enlarged portion of said upper blade and depending therefrom, inwardly directed extremities on said ears for engaging beneath said shank and maintaining said shank and upper blade in fixed relationship with the cutting blade movable therebetween, a longitudinally disposed

slot in said upper blade located adjacent the proximal extremity thereof, an upstanding lug on said cutting blade projecting through the slot in said upper blade, trigger means mounted upon said lug and depending beneath said shank for moving said cutting blade in a direction toward said handle, ratchet teeth formed on the upper surface of said threaded shaft, and a resilient pawl pivotally mounted upon the enlarged portion of said shank and having a depending finger projecting through an aperture in said enlarged portion and engaging said ratchet to maintain said cutting blade in adjusted position.

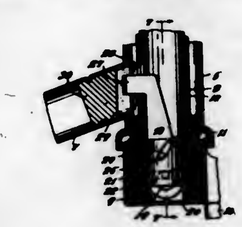
2,544,589
ROTATING SEESAW
John D. Cummings, Schenectady N. Y.
Application September 27, 1946, Serial No. 699,827
3 Claims. (Cl. 272—30)



1. An amusement device including a main supporting member, a transversely extending journal shaft rigidly secured to the upper end of said main supporting member, a member for carrying passengers including a pair of rails with a seat adjacent each end thereof rigidly securing together the ends of said rails, means including a mounting frame having a pair of cylindrical tubular members rigidly secured together and fitted around said rails, means for securing said rails in position relative to said frame, means including a pair of axially aligned sleeve bearings rigidly secured one to each of said tubular frame members transversely thereof and rotatably arranged around said transversely extending journal shaft for supporting said passenger-carrying member in teetering relation thereon, means including an opening in said journal shaft and an opening in one of said sleeve bearings adapted to register therewith when said rails are substantially in a horizontal position with a pin adapted to be inserted through said registrable openings for preventing teetering movement of said passenger-carrying member, and means for supporting said passenger-carrying member in horizontally rotatable relation to said main supporting member.

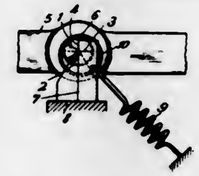
2,544,590
BICYCLE LOCK
Louis M. Dyson and John G. Root, New Britain, Conn., assignors to The American Hardware Corporation, New Britain, Conn.
Application July 5, 1947, Serial No. 759,288
7 Claims. (Cl. 70—232)

1. For a bicycle frame having a fixed tubular head and a wheel fork including a crown portion with a hollow stem projecting therefrom and rotatable in said head, a lock comprising a cylinder mounted in said head, a key operated plug rotatable in said cylinder and extending into the said stem, a latch in said stem rotatably carried by said plug and having a projection thereon adapted to extend through an opening in the wall of said stem to engage retaining means for preventing rotation of the stem when said latch is in locking position, a slide member having a cam slot and a crank receiving groove therein, a pin projecting from said latch into said slot, and



a crank stud projecting from the end of said plug into said groove for moving said slide member within said stem by key controlled rotation of said plug to operate said latch into locking and unlocking positions.

2,544,591
KNIFE-EDGE BEARING
Daniel Ernst, Zurich, Switzerland, assignor to Maag-Zahnrader und-Maschinen Aktiengesellschaft, Zurich, Switzerland
Application March 7, 1945, Serial No. 581,427
In Switzerland January 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1964
2 Claims. (Cl. 308—2)

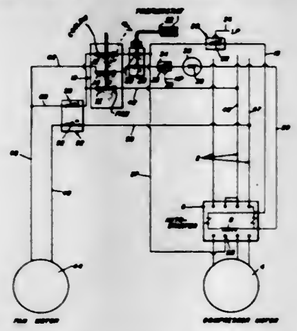


1. A knife-edge bearing arrangement for measuring instruments, comprising a rotatable arbor providing two bearing points, each bearing point including two knife-edges angularly displaced relative to each other, two supporting faces each coacting with one of the knife-edges, said two supporting faces being so positioned relatively to the knife-edges that the contacting lines of both knife-edges with said faces are in alignment one with another and situated in the axis of rotation of said arbor, and spring means operatively connected with said arbor to allow free rotation of the arbor and to urge both of said knife-edges against their respective supporting faces, whereby said bearing arrangement is operative in any position of said instrument.

2,544,592
AIR CONDITIONING APPARATUS
Emanuel Feinberg, Detroit, Mich.
Application March 16, 1948, Serial No. 15,073
5 Claims. (Cl. 62—4)

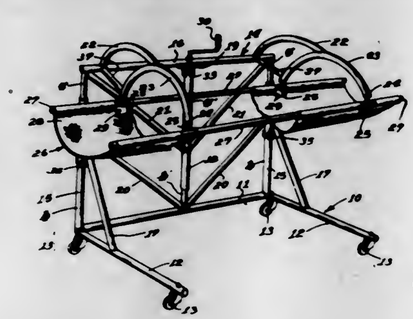
1. In an air-conditioning apparatus control circuit, an electric power source, an electric motor, a switch disposed to connect the motor to the power source, electrical means to open and close the switch, a second electric motor, a second

switch connecting the power source to the electrical means and to the second motor, and a con-



nection from the power source to the electrical means independent of the second switch.

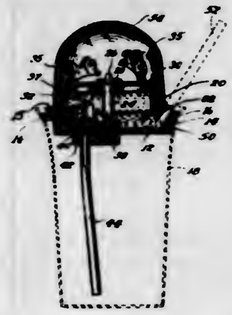
2,544,593
CARRIAGE AND LIFT APPARATUS
Samuel R. Feist, Wichita, Kans.
Application December 3, 1947, Serial No. 789,410
5 Claims. (Cl. 5—86)



1. A lift and carrier structure of the character described, comprising a base frame, a vertical frame supported upon the base frame at one side of the latter, said vertical frame including sectional telescoping standards and a connecting horizontal top rail, a pair of arched rigid arms rigidly secured to said horizontal rail and extending over the base frame, an arched suspension yoke secured to each of said arms and having downwardly directed end portions, means for attaching an invalid supporting unit to the depending arms of the said yokes, and means connected between a side of the base frame and the top rail of the vertical frame for effecting the raising and lowering of the horizontal rail of the base frame together with the arms and yokes.

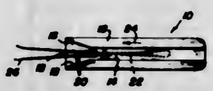
2,544,594
CHILD'S FEEDING DEVICE
Adolph Goldfarb, Chicago Ill., assignor to Max Richard Kraus, Chicago, Ill., as trustee
Application August 5, 1948, Serial No. 42,600
12 Claims. (Cl. 46—41)

1. A children's feeding device comprising a cover adapted to be positioned over the top of a container adapted to contain a liquid, said cover supporting a rotatable member, a tube supported by said cover and adapted to extend into said liquid, another tube supported by said cover and extending outwardly of said cover and engageable by the mouth and adapted when suction is



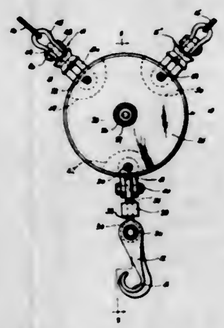
applied thereto to withdraw the liquid from the container and to cause said liquid to rotate said rotatable member.

2,544,595
BOBBY PIN OPENER AND HOLDER
Louis Haase, Norgate at Roslyn, N. Y.
Application December 16, 1949, Serial No. 133,275
2 Claims. (Cl. 132—1)



1. A bobby pin opener and holder, comprising an elongated plate provided with a longitudinally extending channel having outwardly divergent side walls at one end portion of said plate, and a wedge disposed in said channel between and spaced from said outwardly divergent side walls, said wedge having outwardly divergent side edges adapted to spread apart and frictionally engage the legs of a bobby pin slid through said channel.

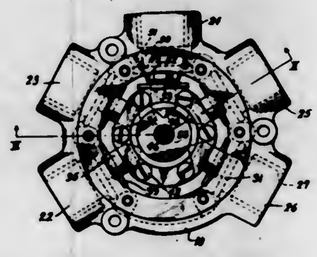
2,544,596
CARGO HOOK
Thomas P. Huden, Seattle, Wash.
Application September 20, 1947, Serial No. 775,172
1 Claim. (Cl. 294—78)



A cargo handling block comprising a pair of parallel, vertically disposed opposite side disks of equal diameter, a spacer disk located between

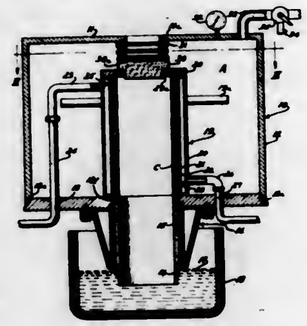
said side disks, means clamping said side disks and spacer disk rigidly together in axial coincidence and contained entirely between the outer surfaces of the opposite side disks, a pair of pivot bolts extended through the paired disks near their top edges, at opposite sides and at equal distances from the vertical center line of the block, a swivel shackle secured by each bolt between the side disks and extended upwardly therefrom, means secured to the outer ends of said swivel shackles for their attachment to hoisting lines; said shackles being adapted to pivot on their securing bolts only in the plane of the spacer disk and the said hoisting line attaching means being adapted to swing independently in any direction, a pivot bolt extended through the lower edges of the side disks in the vertical center line of the block, a clevis suspended on the bolt from between the opposite side disks, and adapted to swing on its suspending bolt in the plane of the spacer disk a swivel suspended by the said clevis to swing laterally of the plane of the block and a cargo hook suspended by the swivel.

2,544,597
FLUID CONTROL VALVE
Ernest Irti, Kenmore, N. Y., and Arthur A. O'Sickey, Cleveland, Ohio
Application October 14, 1944, Serial No. 558,640
6 Claims. (Cl. 277—20)



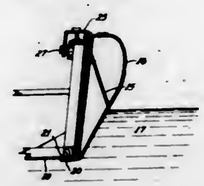
1. A fuel control valve comprising a housing defining a chamber having a plurality of non-communicating fuel openings provided with seats and communicating with said chamber; and means for selectively establishing communication between any one of the fuel openings and the chamber, comprising a plurality of valve members disposed in said housing in spoke-like array and having valve heads at their outer ends co-operatively engageable with the seats of said fuel openings for controlling the flow of fuel thereby, said valve members being further provided with stems inwardly of said heads suitably mounted for individual sliding movement, each of said stems being sectional and including telescopically arranged portions; a spring disposed in each of said telescopically arranged stem portions and having its opposite ends engageable with different stem portions to exert a separating force therebetween considerably greater than the static head of fuel in the opening associated with said seat; whereby the valve heads are maintained in closed position despite the static head, one of said stem portions having a slot extending transversely therethrough, a pin extending loosely through said slot and having its opposite ends projecting through aligned openings in the other stem portions for limiting the relative sliding movement of said stem portion but permitting both angular and axial adjustments of said head relative to said stem portion to facilitate seating of said heads on said seats, and an operating shaft rotatably mounted in said housing and having a cylindrical cam portion the peripheral wall of which is continuously engageable with said stems for normally maintaining said valve heads in closed position, the peripheral wall of said cam portion being provided with a single notch in cooperative alignment with said stems and permitting opening movement of said valve heads individually and selectively.

2,544,598
METAL CASTING MOLD
Martin H. Kalina, Gray, Saskatchewan, Canada, assignor, by mesne assignments, to Wetherill Engineering Company, Philadelphia, Pa., a corporation of Delaware
Application February 28, 1948, Serial No. 11,885
3 Claims. (Cl. 22—136)



1. A mold for the casting of metal articles free of ingotism, said mold having a substantially cylindrical inner chill wall surface divided into a plurality of coextensive alternate, axially extending, relatively narrow strips of heat conducting and relatively heat insulating areas, said areas being defined respectively by said chill wall surface and by insulating coatings applied thereto, the number and width of said strips being such as to breakup radially inward straight line growth of dendritic crystals from the chill wall surfaces.

2,544,599
ROWBOAT SAFETY PONTOON
Festus Aeneas Keelen, Zwolle, La.
Application June 28, 1947 Serial No. 757,861
6 Claims. (Cl. 9—1)

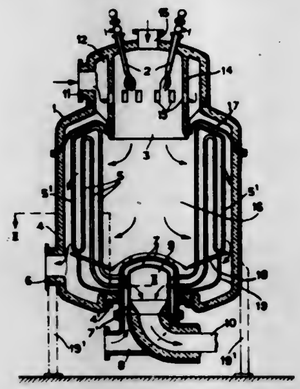


1. A safety device for use on row boats or the like comprising an elongated float, said float provided with a substantially vertical side wall portion adapted to lie adjacent to an outwardly slanting side wall portion of a row boat or the like and an attaching means for mounting said float on the side of a row boat or the like com-

prising a pair of adjustable brackets attached to said float, one of said brackets consisting of a backing piece attached to an inner wall portion of said float; said backing piece provided with an inwardly turned bottom foot provided with a roughened upper surface adapted to frictionally engage a bottom surface portion of a row boat or the like, said other bracket consisting in an inverted adjustable U-shaped member slidably mounted on said float adapted to be hooked over the side of a boat for adjustment to various heights of boat sides said bracket provided with a means for holding said float in desired vertically adjusted position on the side of said boat.

2,544,600
MULTIPLE TUBE GAS HEATING FURNACE
Curt Keller, Kusnacht, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application November 8, 1948, Serial No. 59,011
In Switzerland November 21, 1947
11 Claims. (Cl. 126—109)

1. A heater intended for heating gases and



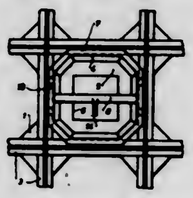
comprising in combination a generally cylindrical casing, closed at its ends and divided transversely into first and second normally connected but separable parts, the first of said casing parts having a ported, open-ended, tubular projection extending inward from its closed end and dividing a combustion chamber within said tubular projection from an annular combustion-air chamber which encircles the same, and the second of said casing parts enclosing a heating chamber into an unobstructed axial portion of which combustion products may flow in an axial direction from said combustion chamber; combustion burners arranged to operate in said combustion chamber; a connection for supplying air to said annular chamber; tubular heat transfer units arranged within said heating chamber and surrounding said unobstructed axial portion; two annular generally conical baffles so mounted in said heating chamber as to converge outward and to lap corresponding opposite end portions of said tubular heat transfer units, the first of said baffles extending from the peripheral wall of the cylindrical casing nearly to the open end of the tubular combustion chamber from which it is spaced to afford an annular entrance passage for secondary air, and the second of said baffles extending nearly but not quite to the peripheral wall of said casing to define behind the baffle an offtake space to which products of combustion can flow past the periphery of the baffle after sweeping the surface of said heat transfer units; means providing an outlet from said offtake space; and connections for leading gas to be heated to and from said tubular heat transfer units.

2,544,601
INSERT ORIFICE AND TOOL THEREFOR
Myron M. Kinley, Houston, Tex.
Application April 23, 1945, Serial No. 589,857
12 Claims. (Cl. 166—6)



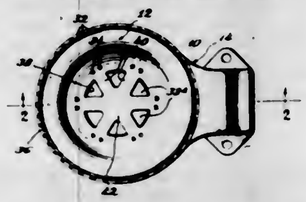
1. In combination, an inserting mechanism, an orifice creating member carried thereby, means to support said inserting mechanism in the well, and means operable by the inserting mechanism for releasing said support means.

2,544,602
MOLD FOR BUILDING CONSTRUCTIONS
Sergei Kesseleff, Linz-on-Danube, Austria
Application February 19, 1948, Serial No. 9,411
In Austria February 28, 1947
2 Claims. (Cl. 25—131)



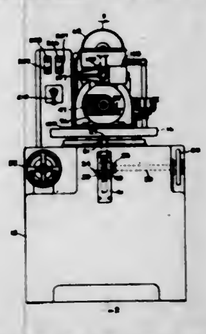
1. A mould for building constructions, which comprises a mould board having a series of openings therein, a plurality of box-shaped mould members passing through said openings, a circumferential flange on each of said mould members, said flanges bearing on the rear side of said board, locking means rotatably mounted on said board, stirrup-shaped means secured on said mould member and surrounding said locking means, said locking means being arranged relatively to, and being adapted to cooperate with said stirrup-shaped means so as to alternatively force said mould members against, or to withdraw them from said mould members.

2,544,603
GAS BURNER WITH SECONDARY AIR BAFFLE
Charles C. Lamar and Vincent C. Peterson, Chicago, Ill., assignors to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1945, Serial No. 594,182
11 Claims. (Cl. 158—116)



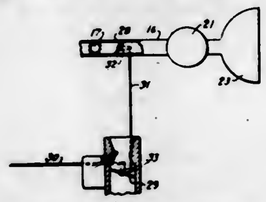
4. Gas burner structure, including in combination, structure defining a central opening and a series of spaced apart upwardly and inwardly extending gas ports, said gas ports being in close proximity to said opening, and a series of diametric bars extending across said opening and located inwardly of and below said gas ports, said bars being generally in line with said gas ports whereby they are located underneath the ports and flames issuing therefrom.

2,544,604
TOOL GRINDING MACHINE
Stewart S. Mader, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 3, 1947, Serial No. 745,799
4 Claims. (Cl. 51—55)



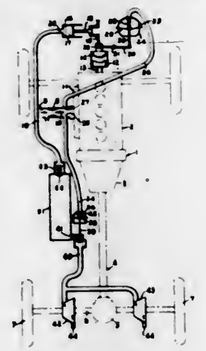
1. In a tool grinding machine having a rotatable grinding wheel, a transversely movable slide therefor, a work table adjacent thereto, a pivotally mounted frame on said slide to support said wheel, means including a cam to oscillate said frame, driving means including an electric motor simultaneously to rotate said grinding wheel and to rotate said cam to oscillate said frame, a stop bar parallel to and spaced to the rear from the grinding wheel face, a tool holder adapted to slide on said table, a hollow tool supporting sleeve rotatably mounted on said holder, means adjustably to tilt said sleeve in a vertical plane to position a tool to be ground for grinding a predetermined clearance on the end face of said tool, means precisely to rotate said sleeve about its axis to position the tool for grinding a predetermined side clearance on the tool, and a master template on said holder which is arranged to engage the stop bar to facilitate grinding a predetermined shape on the tool being ground, said rotating and oscillating grinding wheel serving to impart the desired grinding action on the tool being ground while the tool holder is moved with the template in engagement with the stop bar.

2,544,605
INTERNAL-COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application November 13, 1947, Serial No. 785,606
2 Claims. (Cl. 123—41.41)



1. In an internal combustion engine having an intake passageway through which motive fluid is supplied to the engine, a throttle valve for said passageway, an exhaust port, a valve for controlling said exhaust port, and an exhaust passageway, a conduit for supplying a coolant fluid into said exhaust passageway so that the coolant fluid will mix with the hot exhaust gases flowing into the exhaust passageway from said exhaust port, a throttle valve in said last mentioned conduit and operative connections between said throttle valves so that they open and close in unison whereby when the one throttle valve is opened to admit more motive fuel to the engine the other throttle valve opens to admit more coolant into said exhaust passageway.

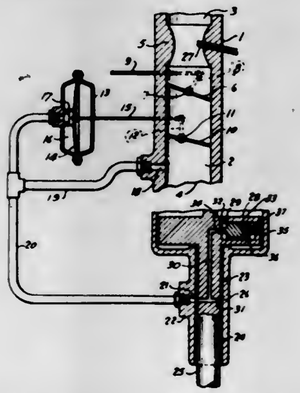
2,544,606
ENGINE AND AUXILIARY FLUID POWER SYSTEM FOR VEHICLES
Marion Mallory, Detroit, Mich.
Application May 13, 1948, Serial No. 26,830
5 Claims. (Cl. 180—54)



5. In an automotive vehicle comprising an internal combustion engine for propelling the same, an intake passageway through which motive fluid is supplied to said engine, a throttle valve controlling the flow of motive fluid through said intake passageway, mechanism adapted for actuation by the inertia of the vehicle upon deceleration for decelerating the vehicle and simultaneously storing energy, and suction mechanism actuated by the pressure in the intake passage-

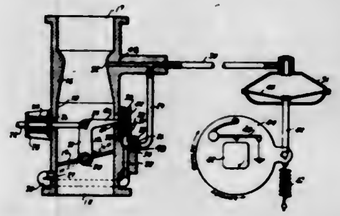
way on the engine side of the throttle valve for rendering the aforesaid mechanism effective to decelerate the vehicle and store up energy when the throttle valve is moved toward idle position and for rendering the aforesaid mechanism effective to accelerate the vehicle when the throttle valve is moved toward open position, the said first mentioned mechanism consisting of a device for converting kinetic energy into potential energy and a second device for storing said potential energy, and the above-said suction mechanism comprising a pair of servo-motors actuated by intake passageway pressure so that when the throttle valve is in idle position the one servo-motor renders the energy converting mechanism effective to decelerate the vehicle and the other servo-motor renders the energy storing mechanism effective to store the potential energy generated by the aforesaid energy converting mechanism and when the throttle valve is moved to open position the first servo-motor responds to intake passageway pressure to disconnect the energy converting mechanism from the engine and the second servo-motor responds to release the potential energy in the potential energy storing mechanism, and mechanism actuated by the released potential energy to thereby assist the engine in propelling the vehicle.

2,544,607
CHARGE CONTROL VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application July 3, 1948, Serial No. 36,893
8 Claims. (Cl. 123—103)



1. A charge control mechanism for an internal combustion engine comprising in combination with the intake passageway of an internal combustion engine through which the motive fluid for the engine flows, of a throttle valve in the intake passageway, a charge control valve positioned in the intake passageway on the engine side of said throttle valve, an orifice positioned in the intake passageway on the engine side of said charge control valve, a suction device, a connection between the suction device and said charge control valve, resilient means tending to move said charge control valve toward open position, a conduit connecting the suction chamber of said suction device with said orifice whereby the intake passageway pressure at said orifice tends to establish itself in said suction chamber, said suction device being arranged so that a decrease of pressure in said suction chamber tends to move said charge control valve toward closed position and an increase of pressure in said suction chamber tends to move said charge control valve toward open position, fluid bleed means actuated in accordance with the speed of the engine for bleeding fluid into said suction chamber at a rate increasing as the speed of the engine increases and thereby causing said suction device to move said charge control valve toward open position until a predetermined speed is reached where the suction chamber is bled down to substantially atmospheric pressure and said resilient means fully opens said charge control valve.

2,544,608
IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application July 20, 1948, Serial No. 39,657
6 Claims. (Cl. 123—117)



1. In an internal combustion engine having an intake passageway and a throttle valve in said passageway controlling the flow of motive fluid into the engine, the combination comprising a servo-motor including a suction chamber and actuated by changes of pressure in the intake passageway, an ignition timer connected to said servo-motor and controlled thereby to advance and retard the ignition spark, an orifice in the intake passageway positioned on the engine side of the throttle valve when the throttle valve is closed and passing on to the atmosphere side of the throttle valve as the throttle valve opens from idle position, the above said orifice being positioned in the intake passageway adjacent to the throttle valve and on the engine side of the throttle valve when in idle position, the above said orifice being located with respect to the throttle valve so that as the throttle valve opens the above said orifice will pass from the engine to the atmosphere side of the throttle valve when the throttle valve is opened within a range from about one-quarter to three-quarters open position, a conduit connecting the above said orifice with said servo-motor, valve means for shutting off communication between the above said orifice and the servo-motor when the throttle valve is in idle position, and means actuated in unison with the throttle valve for opening said valve means whenever the throttle valve is opened further than idle position to place the servo-motor in communication with the above said orifice whereby the intake passageway pressure obtaining at the above said orifice, when the above said orifice is on the engine side of the throttle valve, is established in said servo-motor and the servo-motor responds to advance the spark, a venturi in the intake passageway on the atmosphere side of the throttle valve, and an orifice in said venturi in communication at all times with the suction chamber of said servo-motor.

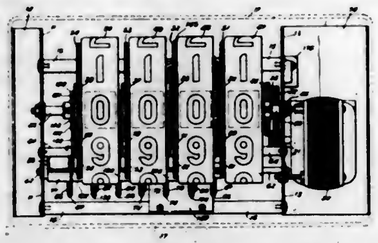
2,544,609
TUBING CALIPER
Durward B. McMahan, Duncan, Okla., assignor, by mesne assignments, to M. M. Kinley and Jack Kinley, Houston, Tex.
Application July 5, 1945, Serial No. 603,285
8 Claims. (Cl. 33—178)



1. In a recording caliper adapted for use in measuring the inside diameter of pipe in a well, the combination comprising an elongated cylindrical body adapted to be run inside the pipe, a recording chart in said body, a stylus mounted in said body for relative movement with respect to said body and with respect to said chart for making a graph on said chart, a spring pressed wheel carried by the body for engaging the interior of the pipe, a mechanism including a one-way driving device for effecting said relative movement to represent the position of said body in the pipe only when said body is moved upwardly through the pipe, a metering head carried by said body, a movable member thereon, locking means for preventing movement of said movable member while said body is being lowered down through the pipe in the well, a connection to said locking means for mechanically releasing said member upon a predetermined amount of movement of said body through the pipe in the upward direction, means for moving said member, after the locking means has released the same, in accordance with variations in internal diameter of said pipe, and means to move said stylus in proportion to movement of said member.

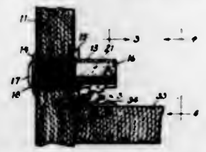
2,544,610
NUMERICAL COUNTER
Martin L. Nelson, Park Ridge, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1947, Serial No. 768,631
9 Claims. (Cl. 235—92)

1. A numerical counter comprising a number wheel, a drive wheel for said number wheel, motor means for applying constant torque to said drive wheel which normally attempts to rotate said number wheel in forward add direction, stop means for normally inhibiting the rotation of said drive wheel, said stop means comprising a stop member on said drive wheel which projects axially therefrom, a pivotally mounted stop lever for engagement with said stop member, a latch member pivotally mounted on said stop lever, impulse-controlled electromagnetic means, and a latch member controlled by said electromagnetic means for coaction with the latch member on said stop lever, whereby said stop lever is intermittently released responsive to successive operative



actuation of said electromagnetic means to allow said torque to become intermittently operatively effective to rotate said drive wheel for rotating said number wheel.

2,544,611
LATCH
Ralph K. Nottingham, Portland, Oreg., assignor to Phillips Tutch-Latch Company, a corporation of Delaware
Application March 4, 1947, Serial No. 732,193
9 Claims. (Cl. 292—227)

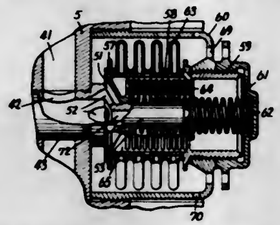


1. A latch comprising a sleeve adapted to be mounted upon one of two members to be latched together, such as a door for a cabinet, a plunger slidably mounted in said sleeve, a first spring biasing said plunger into a normal position with respect to said sleeve, a dog pivotally mounted on said plunger, said plunger being recessed to permit said dog to project laterally beyond said sleeve or to swing inwardly in either direction in line with the longitudinal axis of the sleeve, a second spring biasing said dog to rest in projecting position, and a catch adapted to be mounted on the other of the two members in position to swing the dog in one direction until it partially passes over the catch when the two members are brought together, said dog having an irregular contour on its outer end defining a recess adapted to receive said catch when the members are brought together, separation thereof being possible only by compressing said first spring to cause the plunger to carry the dog beyond the catch, after which it may swing in the other direction and ride over the catch as the members are separated.

2,544,612
PRESSURE RESPONSIVE MEANS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original application July 25, 1942, Serial No. 452,299. Divided and this application February 13, 1948, Serial No. 8,269
6 Claims. (Cl. 137—153)

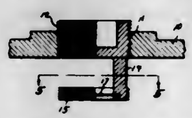
1. Pressure responsive means comprising an evacuated bellows, a housing for said bellows, a

screw attaching one end of said bellows to said housing, a spring confined between said housing and the opposite end of said bellows to expand the same, said screw being adjustable to vary the



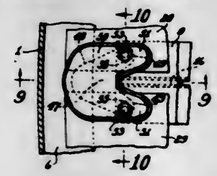
position between said housing and the first named end of said bellows, means for connecting the interior of said housing with a source of variable pressure, and valve means controlled by said bellows.

2,544,613
VENT PLUG FOR OIL DRUMS
Peter E. Purcell, Portland, Oreg.
Application January 9, 1946, Serial No. 639,971
1 Claim. (Cl. 220—44)



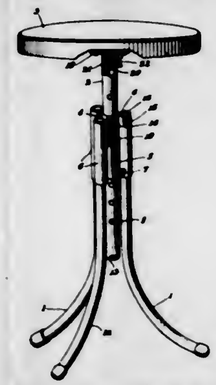
A plug for oil drums consisting of a tapering threaded plug having a wrench recess at one end thereof, and an integral stem formed on one side of the opposite end thereof, said stem having formed integral therewith a threaded ring equalling in diameter the smaller end of the tapering threaded plug and concentric therewith and spaced therefrom, said threaded ring having a screen therein.

2,544,614
SEALING FASTENER FOR THE FLOOR PLATES OF THE TRAY OF A BUBBLE TOWER
Edward D. Rapisarda, Agawam, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 29, 1949, Serial No. 102,010
4 Claims. (Cl. 189—35)



2. In a floor construction for a bubble tower, a pair of floor supports located with one end of one in proximity to a side of the other with a gap between such end and side, the first-named support having a flat top member and a central vertical web beneath it, a pair of floor plates each having a marginal side portion resting on said member with the two adjacent side edges in spaced parallel relation, said plates bridging said space and having ends resting on the second-named floor support, a thin flat plate overlapping the marginal side portions of the floor plates where they span said gap and covering the top of the latter, said thin plate having two ears both resting on said member one on each side of said web, a crowned sealing member having ears and having a marginal flat rim to rest on the floor plates and surround said thin plate and its ears, said member elsewhere being arched upwardly away from said rim into crowned formation forming a recess within the crowned portion of said sealing member and above the thin plate, packing in said recess, and bolts one for each ear on said sealing member and extending through such ears and through the ears on the thin plate and through said first-named member one on each side of said web for drawing said rim against said plates and compressing the packing and forcing it against said thin plate and around its edges to provide a leak tight closure above said gap.

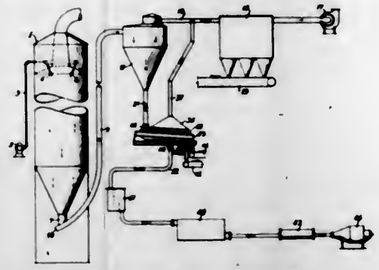
2,544,615
COLLAPSIBLE CHAIR OR STOOL
Morris Raymond, Brooklyn, N. Y.
Application August 19, 1947, Serial No. 769,433
2 Claims. (Cl. 155—137)



1. A collapsible support comprising a post carrying a seat at the top, radially extending legs, a coupling member having a central bearing to receive the post and a catch to engage cooperating means on the post and hold the post in adjusted position, sockets for the legs on the exterior of the central bearing, the upper part of the legs being received in said sockets, all but one of the legs and sockets having releasable bayonet slot connections, said one leg being rigidly fastened in the socket therefor, so that the legs having such releasable connection can be rotated to supporting positions or folded against said one leg, and retaining elements to hold the other legs in assembled position in said sockets.

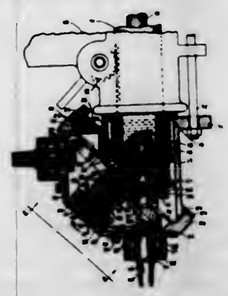
2,544,616
COOLING OF SPRAY-DRIED SOAP PRODUCTS
William Sartorius, Summit, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application August 9, 1946, Serial No. 689,535
2 Claims. (Cl. 34—10)

1. The process of cooling spray-dried soap particles having a temperature of about 170° to 195° F. which comprises conveying such hot soap particles from the outlet of a spray tower to an air separating device with an upwardly flowing current of ambient air having a temperature above about 80° F., thereby substantially cooling said hot soap particles but not to the desired temperature of about 95° F., separating the partially cooled particles from the air current in said air separating device and introducing them



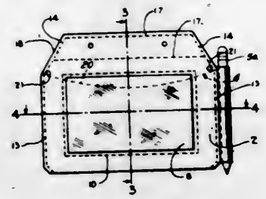
onto an agitated bed, and passing a current of air of a temperature of about 70° F. or below and a relative humidity not greater than the equilibrium humidity upwardly through the particles of soap on said bed at a velocity within the range of about 1 to 10 feet per second while the particles are maintained in a state of agitation, to complete the cooling of the particles to the desired temperature.

2,544,617
BORING AND DRILLING APPARATUS
Hiram E. Shaakweiler, Chicago, Ill., assignor to Rollin H. Williams, Chicago, Ill.
Application November 18, 1946, Serial No. 710,444
2 Claims. (Cl. 77—25)



1. In an apparatus for performing boring and drilling operations, the combination of a fixed support having a quill mounted thereon for movement between retracted and projected positions relative to said support, a driving spindle journalled in said quill, means detachably connected to said quill including a toothed rack extending lengthwise of the path of movement of the quill, a turret, a stationary bearing member carried by said support on which said turret is mounted for rotation, a shaft supported on said bearing member for rotation about an axis perpendicular to the axis of rotation of the turret, a pinion supported on said shaft for interengagement with said toothed rack to drive said shaft, a gear mounted on said turret for relative rotation about an axis coincident with the axis of rotation of the turret, said turret and said gear having cooperating parts effective to cause rotation of the turret in unison with the gear when the latter is traveling in only one direction, and means cooperating with said gear and said shaft to effect rotation of said gear in a direction to rotate the turret in unison therewith upon movement of the quill from a projected to a retracted position, and a series of tool carrying spindles individually rotatably supported on said turret adapted to be successively positioned in axial alignment with said driving spindle upon rotation of the turret.

2,544,618
HUNTING LICENSE HOLDER
Glenn J. Smith, Haselhurst, Pa.
Application January 2, 1948, Serial No. 47
1 Claim. (Cl. 40—10)

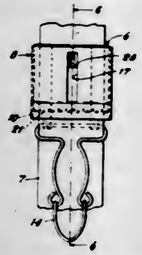


A license holder adapted to be attached to a garment comprising a flat rectangular pocket including front and rear walls secured together along their lowermost edges and each of the side edges thereof, the adjacent uppermost edges of said front and rear walls being free to provide an opening in said pocket, said front and rear walls each being provided with rectangular openings, transparent sheets secured respectively to the inner faces of said front and rear walls adjacent the openings therein and extending across each of said openings to form transparent closures therefor, said front wall having an integrally formed portion coextensive with said opening in said pocket and extending outwardly therefrom, and a tongue member secured to the rear face of said extending portion adjacent said opening in said pocket, said tongue member having a depending portion extending downwardly over said opening, said rear wall and a substantial portion of the transparent sheet covering the opening in said rear wall whereby the depending portion of said tongue member protects said transparent sheet from wear resulting from abrasive action due to contact with said garment.

2,544,619
BRACE END
William Arthur Smith, Dagenham, England
Application December 26, 1946, Serial No. 718,381
In Great Britain February 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 6, 1965
1 Claim. (Cl. 24—73)

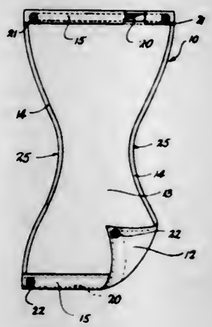
A brace end for a garment shoulder strap comprising, in combination, a rectilinear casing having a front wall and two open ends for the passage of the shoulder strap, the lower margin of the front wall sloping outwardly to form a wedge-shaped opening adjacent one end of said casing, a button receiving loop attached to the rear margin of said casing and adapted to receive the end of the shoulder strap, and a second rectilinear casing adapted to slidably fit into said first named casing and having a downwardly extending wall portion provided with teeth at its lower edge which in one extreme position leave the

shoulder strap free to pass through the two telescoping casings while in another position said teeth cooperate with the inner sloping face of the lower margin of said front wall to hold the shoulder strap gripped between said teeth and said sloping face, the first named rectilinear casing being formed with an elongated vertical slot



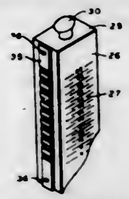
in said front wall, and the other casing being provided with stops adapted to cooperate with said slot, the arrangement being such that in the locking position the teeth of said wall portion of said other casing forces the shoulder strap against said sloping front wall portion in a position intermediate the ends of said sloping front wall portion.

2,544,620
DIAPER COVER
Margaret E. Steinert, Seattle, Wash.
Application November 22, 1948, Serial No. 61,501
1 Claim. (Cl. 128—287)



A diaper covering garment comprising a flat, elongated strip having an inner surface layer of waterproof material and an outer surface layer of fabric, opposite side edges thereof being symmetrically recessed to give the garment a simulated hour glass form with a narrow medial portion to be applied between the legs of the wearer and gradually increasing in width to the ends of the strip; the back portion of the garment as defined by the narrow portion being slightly longer than the front portion; coacting snap fastener devices applied to the respective corners of the strip and adapted to be engaged to secure the garment in place, said fasteners being of such type to permit free pivotal action of the joined parts; said strip formed with an elastic waist band portion across its opposite ends; said garment as shaped and applied providing side openings through which the legs extend and permitting a free passage of air between the garment and diaper of the wearer.

2,544,621
TIMING DEVICE
Francis C. W. Stelter, New York, N. Y.
Application February 5, 1947, Serial No. 726,494
3 Claims. (Cl. 161—15)



1. A timing device comprising a casing, a gravity actuated member guided for vertical sliding movement within the casing, a retardation gear train, means operatively connecting said train to said member for retarding the fall of said member from its uppermost position to its lowermost position, an elapsed time indicating means associated with said member and said casing, a hollow knob on said member whereby it may be lifted from its lowermost to its uppermost position to start the timing operation, and a readily variable quantity of particles contained within said knob, whereby the weight of said member and consequently its rate of retarded fall may be varied, said operative connecting means including a one-way clutch whereby the train will be driven by said member only during its falling movement.

2,544,622
METHOD OF VIBRATING COATINGS WHILE DRYING SO AS TO IMPART A PATTERN THERETO
William Walter Ulmer, Alexandria, and Louis R. Burroughs, South Bend, Ind.; said Burroughs assignor to said Ulmer
Application January 30, 1948, Serial No. 5,288
5 Claims. (Cl. 117—62)

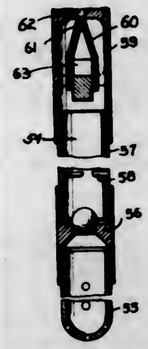


1. The method of depositing a thin layer of an organic film-forming plastic material which comprises applying to a support a thin fluid film of an organic film-forming material selected from the group consisting of vinyl resins and synthetic rubber, said film containing a solvent for said film-forming material, and vibrating said support and film at a frequency in the range from 200 to 30,000 cycles per second until the solvent has been evaporated and the film solidified.

2,544,623
FORMATION TESTER
John E. Weller, Austin, Tex.
Application August 19, 1946, Serial No. 691,607
10 Claims. (Cl. 255—1.4)

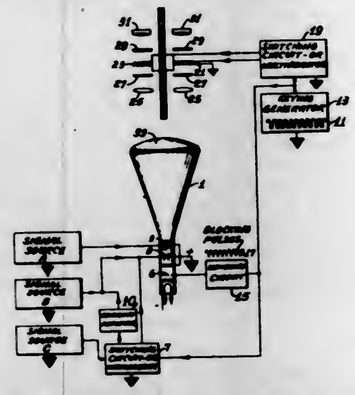
1. A combination drilling and formation testing tool for wells comprising a pipe, a drill bit thereon, a pair of reamer blades extensible from said pipe above said bit to enlarge the well bore, means to normally hold said blades in retracted position, a head on said means exposed to liquid pressure in said pipe so as to effect movement

of said means to extend said blades to enlarge the well bore above said bit, a conduit through said pipe to conduct liquid to said head, a strainer in said pipe about said conduit, an inlet from said strainer into the pipe, a packer slidable on said pipe to seat on the shoulder of the well bore cut by said blades, there being an opening laterally



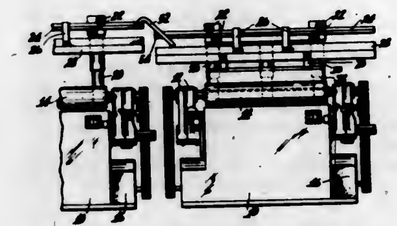
of said pipe above said packer, a sleeve to close said opening, a sampling means to be positioned on and move said sleeve to uncover said openings, an annular tapered nozzle in said sampling means to create a suction to draw in a sample of formation fluid through said strainer as drilling fluid is circulated down through said pipe and out said openings.

2,544,624
THREE-DIMENSIONAL OSCILLOGRAPH SYSTEM
James L. Whittaker, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1948, Serial No. 9,784
6 Claims. (Cl. 177—351)



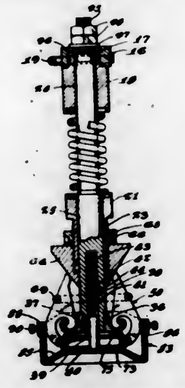
6. Stereoscopic apparatus comprising in combination a source of indications, a source of voltage pulses, circuit means connecting said voltage pulses to said source of indications in cyclically reversed potentials whereby said indications are alternately presented to view, an optical path for each of said indications, each of said paths including a bi-refringent crystal, and circuit means connecting said voltage pulses to said crystals in cyclically reversed potentials varying in synchronism with the potentials applied to said source of indications, whereby said optical paths are cyclically and alternately made transparent and blocked in synchronism with the alternate presentation of said indications.

2,544,625
WORK HOLDER
Forrest R. Whitcomb, Worcester, Mass.
Application May 19, 1947, Serial No. 748,884
5 Claims. (Cl. 51—84)



1. A machine of the class described comprising a pair of working tools, a rail, means to reciprocate the rail toward and from the tools, a work holder on the rail, means providing for travel of the work holder along the rail, a second rail in extension of the first named rail, and means to cause said rails to approach each other for transfer of the work holder from one to the other rail as the first named rail reaches a certain position in the cycle of reciprocation thereof with respect to the tools.

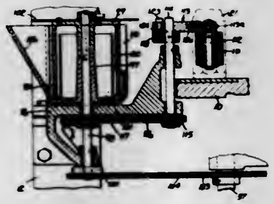
2,544,626
CLOSURE APPLYING MACHINE
Willy E. Zimmermann, Chicago, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application March 15, 1947, Serial No. 735,011
17 Claims. (Cl. 226—86)



1. In combination, mechanism for affixing closures on receptacles including a support; a vertical shaft arranged for relative movement with respect to the support; a flange shaped member mounted upon the lower end of said shaft and formed with a plurality of concave portions to provide a plurality of fulcrum seats, an annular flange formed on the lower side of said member; an annulus of resilient material associated with said member, the upper edge portion of said resilient material in contact with said annular

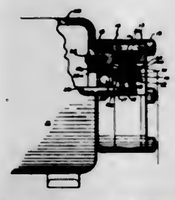
flange; a plurality of radially arranged levers having convex portions formed to fulcrum in said seats upon said member, the outer peripheral edge portions of said annulus of resilient material being in contact with the lower end portions of said levers; cone shaped means for actuating the upper end portions of said levers outwardly and the lower end portion inwardly to compress said annulus inwardly into engagement with a closure to affix the latter on the mouth of a receptacle; and a bottle guide carried solely by said member.

2,544,627
LABELING MACHINE
Charles H. Amidon and Iver Ernest Peterson, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 8, 1950, Serial No. 148,472
5 Claims. (Cl. 216—54)



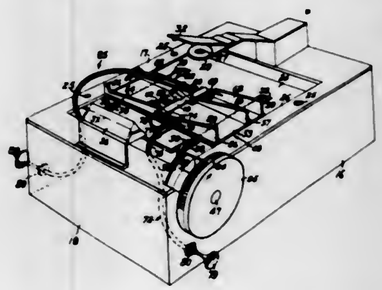
1. In a labeling machine having means to apply labels having spaced gummed portions into a predetermined position on an article to be labeled, a gumming apparatus including an adhesive reservoir, a rotatable cylinder therein, means including an adjustable blade to control the thickness of the film of adhesive on said cylinder, a rotatable gumming roller, and means to move said roller into engagement with said cylinder to receive a coating of adhesive and thereafter to move said roller into engagement with the article to be labeled to apply adhesive to a predetermined portion of the surface thereof for sticking the ungummed portion of the label to said article.

2,544,628
PERISTALTIC PUMP
Bruce G. Copping, Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application June 15, 1946, Serial No. 676,929
13 Claims. (Cl. 103—149)



1. In a device of the character described, in combination, a source of power, and a pump operatively engaged therewith, said pump comprising a rigid stator ring of generally T-shaped cross-section, a flexible circular pumping element of approximate Y-shaped cross-section mounted adjacent said ring, an inner ring assembly securely engaging the lower portions of said Y-shaped pumping element, an inlet and an outlet for the pump, and an eccentric engaging said inner ring assembly, movement of the eccentric alternately compressing and expanding the pumping element, thereby driving a fluid through the pump.

2,544,629
CAPILLARY TUBE HANDLING AND PROJECTING APPARATUS
William W. Davis, Greenwood, and Thomas V. Parke, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
Application March 14, 1950, Serial No. 149,616
6 Claims. (Cl. 88—24)

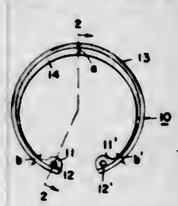


1. In a machine of the class described, having an image receiving screen surface and means for projecting a beam of light to said surface, a capillary tube handling apparatus comprising a carriage movably supported in the path of said light beam and having an aperture therein through which said beam passes to said screen surface, means on said carriage for supporting a capillary tube in a reading position with respect to said aperture and in the path of said light beam, means for moving said carriage and said tube with respect to said light beam for linearly measuring a significant portion of the length of said tube, means for supporting a plurality of said tubes in readiness for presentation into said reading position, said reading position tube supporting means being adapted to align a tube laterally with respect to said aperture and said light beam upon entrance of said tube into said reading position, stop means for registering said tube longitudinally in said reading position, and manipulative means operable to position said tube positively against said stop means, remove a tube from said reading position and permit presentation of the next adjacent tube of said plurality into said reading position.

2,544,630
THERAPEUTIC COMPOSITIONS
Charles Paul Hegarty, Lansdowne, and Willard F. Verwey, Springfield, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application November 16, 1948, Serial No. 60,413
2 Claims. (Cl. 167—65)

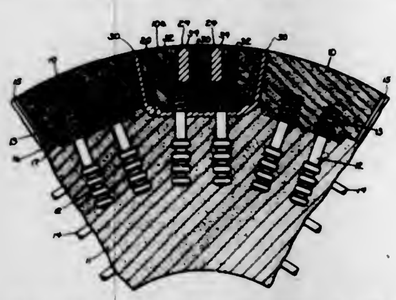
1. A therapeutic composition having synergistic antibacterial action which comprises tyrothricin and bacitracin, each antibiotic being present in a minimal amount which, if used alone, would produce a bacteriostatic effect.

2,544,631
RETAINING RING ASSEMBLY
Heinrich Heimann, New York, and Lawrence Brosek, Jackson Heights, N. Y., assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application December 11, 1946, Serial No. 715,570
3 Claims. (Cl. 85—8.5)



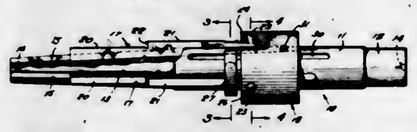
1. A retaining ring adapted to be sprung into the groove of a shaft, housing and the like and thereupon to form an artificial shoulder for securing a machine part against axial displacement relative thereto comprising an open-ended spring ring fashioned from strip or sheet stock and being or rectangular section with its major dimension disposed radially, said section having uniform axial width and radial height which progressively diminishes from the ring middle section to the free ends of the ring, whereby the ring maintains circularity under deformation, said ring having a radial shoulder-forming body portion and a groove seating edge portion which is inclined to the body portion by an acute angle, the free ends of the ring having ears projecting from said body portion which are apertured to receive the working points of a ring handling tool.

2,544,632
REPAIR OF PULPSTONES
Norman F. Holter and Walter F. Beth, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 16, 1948, Serial No. 8,488
2 Claims. (Cl. 51—206.4)



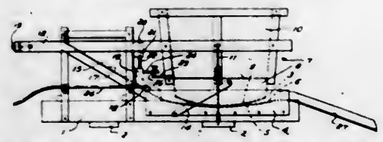
1. Method of repairing a pulpstone of the type having a concrete center, a plurality of holding bolts embedded in said concrete center, abrasive blocks held to said concrete center by said holding bolts, and sheets of filler material between said blocks, said pulpstone having at least one block missing or broken, comprising forming a cavity by removing any broken parts of the broken block, removing the sheets of filler material around said cavity, chipping concrete from the bottom of said cavity to increase the depth of the cavity, providing a replacement block with oversize holes fitting over the upper ends of said holding bolts and with offset holes extending from the oversize holes to the outer surface of said replacement block, placing cementitious grouting material at the bottom of said cavity, placing the block in the cavity over said upper ends, ramming cementitious grouting material in said offset holes and from them into said oversize holes, and ramming cementitious grouting material around said replacement block.

2,544,633
EXPANSIBLE MANDREL
William J. Le Count, Norwalk, Conn., assignor to Mary J. Le Count, doing business as W. G. Le Count Tool Works, South Norwalk, Conn.
Application September 19, 1945, Serial No. 617,207
1 Claim. (Cl. 82—44)



An expansible mandrel comprising a shank having a plurality of convergent grooves extended longitudinally therein having the bottom and each side wall joined to provide an unobstructed angle and a sleeve-controlling groove at one end thereof; radially insertable keys slidably carried in said grooves, said keys having straight unobstructed sides and rounded lower edges and having pins at corresponding locations at one end thereof, extending radially outward and having spring-receiving notches in their outer surfaces near the said pins; a sleeve slidably carried on the shank and having means engaging said sleeve-controlling groove for limiting the sleeve to axial movement and having a portion encircling and clearing the keys at said pins, said sleeve having apertures adapted to slidably receive the pins so that a driving connection is maintained between the sleeve and the keys during movement of the latter and axial movement of the sleeve on the shank while said keys are held against lateral play in said groove by the cooperation of the pins and apertures; and an expansible spring encircling the said keys and occupying the spring-receiving notches thereof, said spring yieldably maintaining the keys in position within the grooves and pressing said keys into engagement with the bottoms of said grooves as permitted by the rounded edges whereby to prevent the entrance of foreign matter between the keys and the bottoms of said grooves and at the same time prevent radial play between the keys and grooves.

2,544,634
ORE TREATING MACHINE
Alexander Mitchell, Yellowknife, Northwest Territories, Canada
Application May 14, 1949, Serial No. 93,333
In Canada February 28, 1949
1 Claim. (Cl. 241—201)



A portable ore treating machine comprising an elongated base member having a longitudinally concave upper surface adjacent one end there-

of, supporting members fixed to the base and extending transversely thereof, a plate fixed to each side of said base member laterally opposite said surface, said plates extending upwardly from said surface to form therewith a trough, a weight-receiving bin having a convex bottom surface rockably seated upon said concave surface, said bin having an open top to permit addition thereto and removal therefrom of weights, means for rocking the bin including an arm fixed to each side of the bin and extending towards the other end of the base member, a link pivotally connecting the bin and base member for stabilizing the rocking movement of the bin, a flexible brace on each side of the bin and connecting the latter with one of said supporting members, and an ore supply hopper mounted on said other end of the base member between said arms, said hopper having an inclined ore chute communicating with one end of the trough, the other end of the trough being open.

2,544,635
AUXILIARY STEERING WHEEL FOR DUAL CONTROL AUTOMOBILES
Philip A. Ostrow, Providence, R. I.
Application August 12, 1950, Serial No. 179,030
3 Claims. (Cl. 74—494)



1. In an automobile having a dash and a fire wall between the engine and driver, a dual steering control mechanism with main and auxiliary steering posts, said main steering post having a shaft with a gear fixed thereon, a bearing fixed to said dash, said auxiliary steering post comprising upper and lower parts, said lower part comprising a shell mounted on said fire wall and a shaft rotatably mounted in said shell and in said bearing, a gear on said auxiliary shaft between said bearing and said fire wall, a sprocket chain connecting said gears to cause said shafts to rotate together, said upper part of the auxiliary post having a shaft with a steering wheel at its upper end and a coupling at its lower end detachably connected to the end of the shaft of said lower part, the point of connection of said upper and lower parts being above but adjacent the bearing on said dash whereby when the coupling is disconnected said upper part may be removed leaving the area rearward of the dash substantially free of one steering control mechanism.

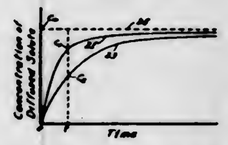
2,544,636
HIGH-DENSITY, FREE-FLOWING PIGMENT BASES
Dwight Clark Peck, Bergenfield, N. J., assignor to The Egyptian Lacquer Manufacturing Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application November 29, 1948, Serial No. 62,593
7 Claims. (Cl. 260—34.2)

1. A process for producing a dense, free-flowing pigmented base suitable for use in the production of paints, enamels, lacquers and related finishes, which comprises mixing together in a low-powered mixing mill a dough-like mixture of a pigment and a solvent- and resin-containing vehicle, said vehicle containing insufficient solvent to impart fluidity to said mixture but containing sufficient resin to provide 2 to 8% resin based on the weight of the entire mixture, and continuing the mixing until the mixture is reduced to a free-flowing uniform fluid suspension.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

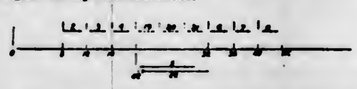
357,386. SEPARATION OF ISOTOPES. Alois Langer and William E. Stephens, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Sept. 19, 1940. Published Mar. 6, 1951. Class 23—14.5. 1 sheet of drawings. 13 pages of specification.



A method is described for separating the isotopes of various chemical elements by diffusion of a solution through a suitable membrane. A substance containing the isotopes of the element to be separated is dissolved in a suitable solvent. The solution is then diffused through a membrane. The lighter isotopes diffuse faster than the heavier isotopes and the diffusion may be repeated until any reasonable desired concentration is attained. For the separation of the isotopes of uranium, uranium nitrate, bromide, chloride or iodide is dissolved in a suitable non-aqueous solvent in which complex molecules are not formed between the uranium and any water present. Solutions of uranium compounds in such liquids as carbon tetrachloride, ether, acetic acid and similar substances have this property.

Figure 2 shows typical concentration curves 21 and 23 for two isotopes of an element. The upper curve 21 is a plot for the lighter isotope and the lower curve 23 for the heavier. The horizontal broken line 25 indicates concentration of the solute if the diffusion is continued for an indefinite time.

547,747. MULTICHANNEL CARRIER TELEPHONE SYSTEM PROVIDING FOR MUSIC TRANSMISSION AT CARRIER FREQUENCIES. James Charles Stewart, Neutral Bay, near Sydney, New South Wales, Australia, assignor to Communication Engineering Pty. Limited, Canberra, Australian Capital Territory, Australia, a company of the Australian Capital Territory. Filed Aug. 2, 1944. Published Mar. 6, 1951. Class 179—15. 1 sheet of drawings. 15 pages of specification.



The application discloses arrangements for transmitting a high quality program (such as broadcast music, etc.) which occupies, in the audio frequency spectrum, a much wider frequency range than is provided by the telephone channels (of normal commercial message quality) in a multi-channel carrier telephone system of the carrier suppression single sideband type, over which the program transmission is to take place in lieu of part of the commercial message facilities.

The carrier telephone system is of the frequency-division type and has a frequency allocation such as shown in Fig. 2 by the channels, 2, 3, 4, 6, 7, 8. These are spaced 4 kc./s. as shown by the frequency scale. In the space 5 which is reserved for program transmission, there could be accommodated three further message-circuit channels 19, 20 and 21 shown dotted. In accordance with best practice, the filters for the telephone or message-circuit channels, 2, 3, 4, 19, 20, 21, 6, 7, and 8 are so designed that interference between any of these channels and potential channels is effectively, but no more than effectively, suppressed.

In particular, the filters of channel 4 are so designed that if a channel 19 were provided with similarly designed filters (the most economical situation for the usual case where all channels are equipped for commercial message service), then interference from 4 into 19 and also from 19 into 4 would be suppressed to the acceptable extent but no more than this. However, with the filters of channel 4 designed as above-mentioned and with music as the upper sideband of 20 kc. in channel 5, excessive interference would be experienced both in channel 4 due to music in channel 5, and in channel 5 due to commercial quality speech in channel 4. The problem then, is to provide for music transmission somewhere in the frequency range of channel 5, but without in any way altering the filters of the channel 4 (or for that matter of any of the other channels such as 2 and 3 or 6, 7 and 8).

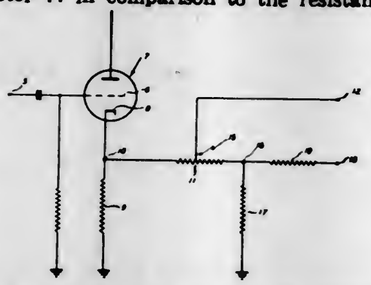
The application shows that this problem is overcome by choosing a different carrier frequency for the music transmission channel. The line 22 shows the wanted sideband chosen. The carrier frequency (shown by a short vertical line between the wanted sideband 22 and the remains 42 of the unwanted sideband), is so chosen as to space the wanted sideband 22 further away from the position of channel 4 than would be the sideband 5 or the sideband 19. The position of the sideband frequency generated by some given audio frequency (say 800 c./s.) is the criterion for this spacing away of the sideband.

The application discusses in detail why a spacing away of about 300 or 400 c./s. is sufficient. The example described shows a spacing away of 1 kc./s., however, since this is more convenient in practice from the point of view of generating the carriers.

578,767. GAIN-CONTROL CIRCUIT. Ralph E. Meagher, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Feb. 19, 1945. Published Mar. 6, 1951. Class 179—171.9. 1 sheet of drawings. 5 pages of specification.

This is a wide band video amplifier with a manually operated gain control. Tube 7 is provided

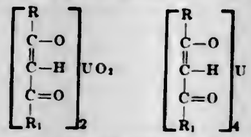
with an input signal from terminal 5, an unbypassed resistor 9, and a positive voltage source at terminal 18. Junctions 10 and 16 are maintained at the same direct current potential. By selecting a high value of resistance for potentiometer 11 in comparison to the resistance of



17 the signal will be a maximum at junction 10 and practically nil at junction 16. Therefore by varying the position of tap 15 on potentiometer 11 the gain of the signal in the succeeding stage from terminal 12 is varied. Numeral 200 represents the capacitor for coupling to the succeeding stage.

611,220. **COMPLEXES OF URANIUM AND FLUORO SUBSTITUTED BETA DIKETONES.** Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich. Filed Aug. 17, 1945. Published Mar. 6, 1951. Class 260—429. No drawing. 8 pages of specification.

Complexes of the uranium with fluoro substituted beta diketones have been prepared. These complexes for hexavalent uranium as uranyl ion and tetravalent uranium are represented by the following structural formulae:



wherein R may be any unsubstituted or halogen substituted hydrocarbon radical, such as alkyl, cycloalkyl, and aralkyl, and R_1 is a fluoro substituted alkyl group. In these complexes uranium is apparently linked by a covalent bond to the oxygen of the enolic group of the diketone by substitution for hydrogen and also by a coordinate bond to the oxygen of the other ketone group.

The uranium complexes may be prepared by reacting an aqueous solution containing uranium in the tetravalent or hexavalent state with the substituted beta diketone. Examples of such beta diketones are trifluoroacetyl acetone, trifluoroacetyl pinacolone, trifluoroacetyl phenylacetone, and trifluoroacetyl cyclohexylacetone. The uranium complex resulting will precipitate from the aqueous solution and the precipitate may be separated, for example, by filtration. It may then be washed with water and dried over a suitable drying agent. The uranium complex may be separated by the presence of a water immiscible organic solvent which will extract it. Suitable solvents include chloroform, benzene, ethyl acetate, carbon tetrachloride, aniline, n-hexyl alcohol, xylene, and ethyl ether. These solvents extract the uranium complexes from the aqueous solutions either by actual solution in the solvent or by preferential wetting of the solvent. In the latter case, the uranium complex may appear as a suspension or precipitate in the organic solvent.

The process of preparing these complexes is useful as a means of separating uranium from its impurities or as a means for recovery of uranium from an aqueous medium. The aqueous medium may be made alkaline after contacting with the beta diketone. The complex of uranium separated from the solution, for example, by filtration, may be further purified by recrystallization from alcohol. Repeated washing with water may then be employed if desired.

These uranium complexes are stable colored compositions probably of the chelate type. They are generally soluble in common organic solvents and have volatilities that are higher than other chelate complexes of uranium. Because of the latter property, they may be used in processes employing vapor phase operations. Since many of these complexes are highly colored, they may be used as dyes or pigments.

Example I

A solution of .01 mole of uranyl nitrate in water was mixed with an aqueous solution of .02 mole of trifluoroacetyl acetone at room temperature. Almost immediately the yellow complex was precipitated. It was filtered off, dried, and recrystallized from dilute methanol to give uranyl trifluoroacetyl acetonate, a light yellow powder melting at 199–200° C. Uranium analysis for $C_{10}H_8F_6O_8U$: calculated 41.34%; found 41.38%.

Example II

To a solution of .005 mole of uranous chloride in water was added .02 mole of trifluoroacetyl acetone. On shaking the mixture, a yellow green precipitate of uranous trifluoroacetyl acetonate formed. This precipitate melted at 138–140° C. Uranium analysis for $C_{20}H_{16}F_{12}O_8U$: calculated 28.02%; found 28.56%.

Example III

The addition of 1 N NaOH to a mixture of .05 mole of uranyl nitrate and .01 mole of trifluoroacetyl pinacolone produced a yellow green precipitate. Upon drying the precipitate in air uranyl trifluoroacetyl pinacolonate, a yellow powder and melting at 134–136° C., was obtained. Uranium analysis for $C_{18}H_{28}F_6O_8U$: calculated 36.08%; found 36.04%.

Example IV

An aqueous solution of .005 mole of uranous chloride was treated with .02 mole of trifluoroacetyl pinacolone in water. A 1 N NaOH solution was added dropwise until a dark oil precipitated. After this product had become semi solid, it was separated by filtration and recrystallized from petroleum ether at −80° C. to give uranous trifluoroacetyl pinacolonate melting at 138° C. Uranium analysis for $C_{32}H_{46}O_8F_{12}U$: calculated 23.39%; found 24.11%.

662,600. **TRIFLUORO 2.4 DIKETONES.** Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filed Apr. 16, 1946. Published Mar. 6, 1951. Class 260—595. No drawing. 6 pages of specification.

Trifluoro beta diketones of the formula CF_3COCH_2COR (R stands for an organic group,

such as an unsubstituted or halogen substituted hydrocarbon radical, for example, an alkyl, aryl, cycloaliphatic or heterocyclic group) have been discovered by reacting or condensing a ketone having an alpha hydrogen atom with an alkyl trifluoroacetate, preferably ethyl trifluoroacetate, in the presence of a suitable condensing agent and preferably also of an inert solvent, such as ethyl alcohol and xylene. Ketones condensed include acetone, methyl ethyl ketone, diethyl ketone, acetophenone, methyl isobutyl ketone, methyl cyclohexanone and pinacolone. Sodamide and sodium alkoxides, preferably ethoxide or methoxide, are examples of suitable condensing agents.

Examples of condensation products are: 1,1,1-trifluoro - 2,4 - pentanedione (acetyltrifluoroacetone); 1,1,1 - trifluoro-5,5-dimethyl-2,4-hexanedione; 1,1,1 - trifluoro-5-furyl-2,4-pentanedione; 1,1,1 - trifluoro - 5 - thienyl - 2,4 - pentanedione; methyl acetyltrifluoroacetone; propionyltrifluoroacetone; methyl propionyltrifluoroacetone; benzoyltrifluoroacetone; isovaleryltrifluoroacetone and hexahydrobenzoyltrifluoroacetone.

These trifluoro beta diketones form stable, colored metal complexes or chelates which are insoluble in water or aqueous media but soluble in the common organic solvents and these complexes have relatively high volatilities (as compared with other chelates), which makes them useful in processes to be carried out in the vapor phase. The diketones can thus be used for purifying and separating from aqueous solutions certain metals, particularly polyvalent metals of high molecular weight, such as uranium and plutonium.

715,138. **ELECTRICAL INSULATING MATERIAL AND METHOD OF MAKING SAME.** Edward B. McMillan, Wakefield, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Dec. 9, 1946. Published Mar. 6, 1951. Class 260—45.5. No drawing. 6 pages of specification.

An electrical insulating composition, for use as a dielectric or as a sealing and waterproofing agent in open antennas and transmission lines, comprises:

A. 100 parts, by weight, of monomeric halogen-substituted styrene, e. g., 2,5-dichlorostyrene;

B. 5–40 parts of a hydrocarbon elastomer, such as natural rubber, polyisobutylene of molecular weight above 10,000, or "butyl rubber";

C. 0–100 parts of filler, such as powdered styrene divinyl copolymer, to make the material hard and tough, or quartz powder, to make the coefficient of expansion comparable to metals;

D. 0–2 parts of a catalyst, such as benzoyl peroxide or lauroyl peroxide.

This viscous mixture is cast and polymerized for a few hours in situ, either at room temperature or at 40° to 120° C. It may be poured into the open end of a metal tube to seal the tube, and allowed to set. It adheres to metals. Where removal from the mold is desired, a parting agent such as nitrocellulose lacquer may be used.

The product is non-cracking at −50° C., has a loss-tangent value less than 0.004, and a heat distortion temperature (A. S. T. M., D–648) above 70° C. or even above 100° C. Heat distortion temperature and hardness increase with the use of more filler or less elastomer. Use of more elastomer increases the flexibility and elasticity.

63,432. **PROCESS FOR CONVERTING NITRILES INTO THE CORRESPONDING ACID AMIDES.** James F. Couch, Glenside, Pa., and Charles F. Krewson, Erdenheim, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Filed Dec. 3, 1948. Published Mar. 6, 1951. Class 260—558. No drawing. 6 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process for producing amides which comprises heating in a sealed container concentrated liquid ammonium hydroxide (in the ratio of 4.5 to 9 moles per mole of nitrile) at 89° to 132° C. with nicotinonitrile, benzonitrile, nitrobenzonitrile, succinonitrile, trimesonitrile, cyanoquinoline or cyanoisoquinoline for a period of 3 to 24 hours.

127,669. **COLORED SIGNAL DISPLAY SYSTEMS.** Frederick H. Nicoll, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Nov. 16, 1949. Published Mar. 6, 1951. Class 178—5.4 2 sheets of drawings. 34 pages of specification.

Fig. 1

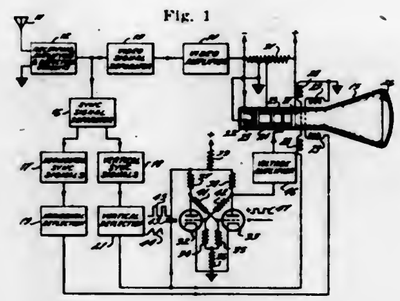
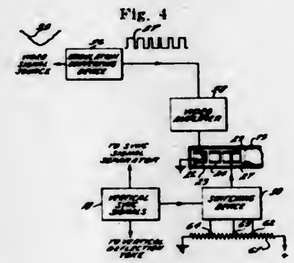


Fig. 4



In Figure 1 video signals from amplifier 14 are impressed upon the control grid electrode 23 of kinescope 15 to vary the intensity of an electron beam so as to correspondingly control the intensity of the light produced by the fluorescent screen 26. This screen produces light of which the intensity is a function of the intensity of the electron beam which excites it and of which the color is a function of the current density of the electron beam. The current density of the beam is varied under the control of pulses 47 applied to the focusing anode 25 by an amplifier 46 concurrently with color changes of the video signals.

In the modification of Figure 4 the amplitude modulated video signals are converted by a device 56 into constant frequency and constant ampli-

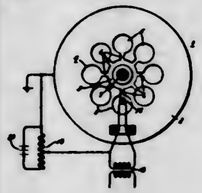
tude pulses 57 having widths or time durations varying in accordance with the video signal amplitude modulations. The pulse width modulation signal energy is impressed by amplifier 58 upon grid 23 of the kinescope to produce a pulsating electron beam by which to control the light intensity produced by the fluorescent screen in accordance with the time durations of the screen excitation.

132,876. **MULTIPLE FREQUENCY FILTER CIRCUITS.** August Schmidt, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Dec. 14, 1949. Published Mar. 6, 1951. Class 178—44. 1 sheet of drawings. 11 pages of specification.



A pair of tuned circuits 1—2 and 3—4 are connected in series between a high voltage power system c and ground and both circuits are tuned to a first harmonic frequency so that for a higher harmonic frequency, the net reactance of the two tuned circuits is preponderantly inductive. In order to render the arrangement resonant at a second higher frequency, capacitive reactive means 5 are connected in parallel with the one of these tuned circuits 3—4 which is connected to ground and in series with the other 1—2 to offset the net inductive reactance of the arrangement at the second frequency. Since the voltage drop through each of these tuned circuits is zero at the first frequency, the addition of capacitive reactance 5 does not interfere with the tuning of these circuits at the first frequency. If desired, a third tuned circuit 6—7 arranged in series with the capacitive reactance 5 is tuned for resonance at the second frequency so that the impedance of this third tuned circuit 6—7 is zero for the second frequency. Although the net inductive reactance of the network described thus far is preponderantly higher for a third higher frequency, another capacitance 8 can be connected across the third tuned circuit 6—7 to render the network resonant for a third higher frequency without interfering with the tuning of the network for the second frequency since the voltage drop through the third tuned circuit 6—7 is zero for the second frequency. By this procedure, a network can be constructed which will effectively filter any desired number of frequencies. If the impedance of the filter circuit which is connected to the power line is high at the power system frequency as compared with the impedance of the filter circuits which are connected to ground, a major portion of the system voltage will be applied to the filter connected to the line and the other filter circuits need not be constructed to withstand high voltage.

133,620. **ELECTRONIC TUNING ARRANGEMENT FOR CAVITY RESONATORS.** Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Co., a corporation of New York. Filed Dec. 17, 1949. Published Mar. 6, 1951. Class 315—40. 1 sheet of drawings. 12 pages of specification.



This disclosure relates to an electronic tuning arrangement for cavity resonators in a discharge device of the magnetron type.

Magnetron 1 comprises cavity resonators 4 formed in an anode 2 having a central bore 3 containing a cathode 7. An auxiliary heater type cathode 14 is positioned in the bore 5 of one of the cavity resonators. The auxiliary cathode 14 is energized by source 18, and is maintained at a negative potential with respect to anode 2 by means of connections to a voltage divider across a battery 20.

In operation emission of electrons from auxiliary cathode 14 develops a space charge which interacts with the high frequency electric field in resonator 4 to tune the resonator frequency. The emission from cathode 14 may be accelerated or decelerated by adjusting the tap 19 to provide desired variation in tuning. Since the several cavity resonators 14 are coupled to each other through end spaces adjacent the opposite ends of anode 2, varying the frequency of the resonator 4 containing cathode 14 modulates the frequency of the entire magnetron resonant system.

164,625. **WOOL BLEACHING.** Donald J. Campbell, Niagara Falls, N. Y. Filed May 26, 1950. Published Mar. 6, 1951. Class 8—11. No drawing. 6 pages of specification.

Wool in the form of fibers, yarns and fabrics is bleached using an acidic aqueous solution of hydrogen peroxide containing dissolved therein a soluble pyrophosphate such as sodium pyrophosphate. The presence of the pyrophosphate in the bleach solution improves the bleach stability and tensile strength of the treated wool and decreases its alkali solubility.

The bleach solution will usually contain, on a weight basis, 0.1 to 2% of H_2O_2 and 0.1 to 2% of pyrophosphate caculated as $Na_4P_2O_7$. The acidity of the solution should correspond to a pH not lower than about 2 and preferably will correspond to a pH within the range 3 to 6.

The bleaching conditions with respect to temperature, times and methods for contacting the solution with the wool will generally be those customarily used in prior peroxide wool bleaching methods. Temperatures ranging from about room temperature to the boiling temperature of the solution can be used, those ranging from about 120° F. to about 212° F. are generally preferred.

DESIGNS

MARCH 6, 1951

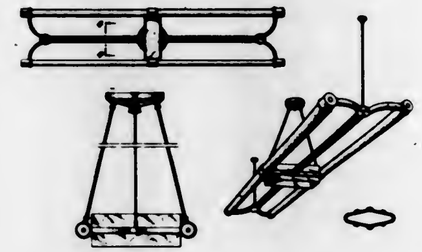
162,277
STOCKING
Leonard J. Accardi, Brooklyn, N. Y.
Application December 28, 1949, Serial No. 6,865
Term of patent 3½ years
(Cl. D47—7)





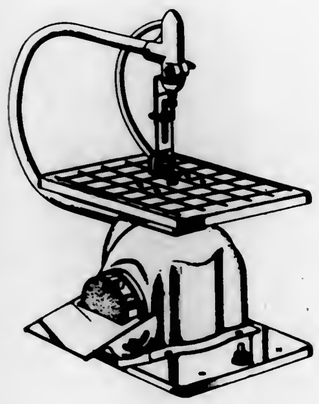
The ornamental design for a lady's stocking, as shown and described.

162,278
FLUORESCENT LIGHTING FIXTURE
George Ainsworth, New Hyde Park, N. Y.
Application September 16, 1950, Serial No. 12,229
Term of patent 14 years
(Cl. D48—23)

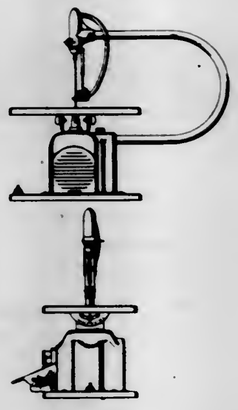


The ornamental design for a fluorescent lighting fixture, as shown.

162,279
JIG SAW
Hilmar A. Andresen and Raymond H. Andresen, Chicago, Ill., assignors to Burgess Vibrocrafters, Inc., Lake Zurich, Ill., a corporation of Delaware
Application November 7, 1950, Serial No. 12,899
Term of patent 14 years
(Cl. D23—3)



162,279—Continued



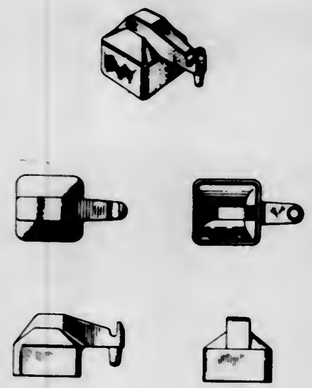
The ornamental design for a jig saw, as shown.

162,280
ARTIFICIAL LEATHER SHEET OR SIMILAR ARTICLE
Joseph Barash, Peekskill, N. Y.
Application April 8, 1950, Serial No. 9,076
Term of patent 3½ years
(Cl. D87—3)



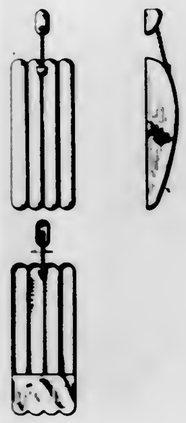
The ornamental design for an artificial leather sheet or similar article, as shown, and described.

162,281
CAP AND LATCH FOR SCREEN HOLDERS
Hugo Bernnett, Niles, and Curtis Talbot, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., a corporation of Illinois
Application November 4, 1948, Serial No. 149,456
Term of patent 14 years
(Cl. D61—1)



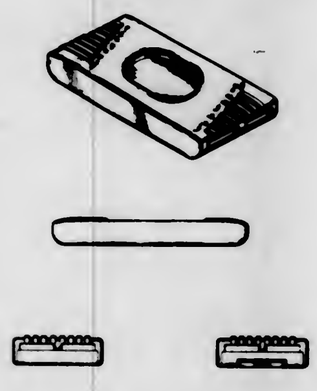
The ornamental design for a cap and latch for screen holders, as shown.

162,282
TOOTHBRUSH RECEPTACLE
Roy R. Boulter, Laguna Beach, Calif.
Application January 3, 1950, Serial No. 6,972
Term of patent 14 years
(Cl. D4—3)



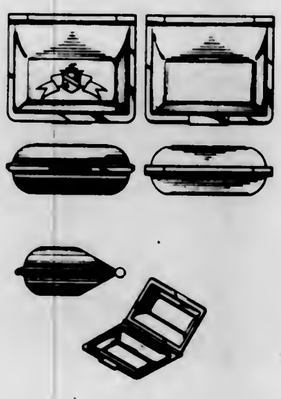
The ornamental design for a toothbrush receptacle, substantially as shown.

162,283
BLADE MAGAZINE
Billi Bowen, New York, and John Wark, Bronx, N. Y., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Continuation of design application Serial No. 140,376, July 18, 1947. This application June 2, 1949, Serial No. 3,016
Term of patent 14 years
(Cl. D22—3)



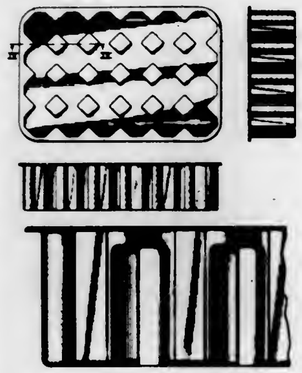
The ornamental design for a blade magazine, as shown.

162,284
HINGED COVER MOLDED PLASTIC DISPLAY RECEPTACLE
Samuel Braun, Rockville Centre, and Max Crystal, Forest Hills, N. Y., assignors to Braun-Crystal Mfg. Co., Inc., Middle Village, N. Y., a corporation of New York
Application January 23, 1950, Serial No. 7,416
Term of patent 14 years
(Cl. D80—5)



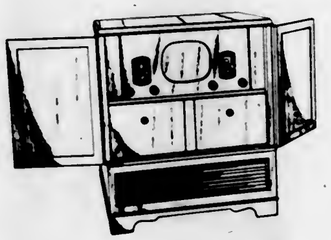
The ornamental design for a hinged cover molded plastic display receptacle, substantially as shown.

162,285
TRAY
John Cauffiel, Toledo, Ohio
Application February 1, 1950, Serial No. 7,623
Term of patent 14 years
(Cl. D44—10)



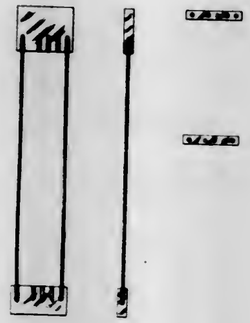
The ornamental design for a tray, substantially as shown.

162,286
TELEVISION RECEIVER
William H. Clingman, Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application March 18, 1950, Serial No. 8,628
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a television receiver cabinet, as shown and described.

162,287
CROCHET FRAME
Katie L. Cox, Atlanta, Ga.
Application May 13, 1949, Serial No. 2,643
Term of patent 14 years
(Cl. D47—5)



The ornamental design for a crochet frame, substantially as shown.

162,288
TOY CLOCK BANK WITH TRANSPARENT CONTAINER BASE
Joseph C. Crosetti, Jeannette, Pa.
Application February 17, 1949, Serial No. 911
Term of patent 7 years
(Cl. D34—11)



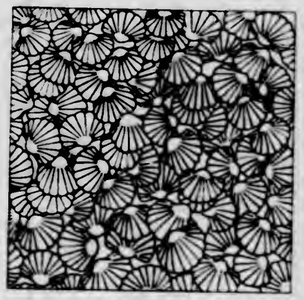
The ornamental design for a toy clock bank with transparent container base, as shown and described.

162,289
CUP OR SIMILAR ARTICLE
Richard C. Diebenkorn, Atherton, Calif., assignor to Dohrmann Hotel Supply Co., San Francisco, Calif., a corporation of Nevada
Original design application January 2, 1948, Serial No. 143,494. Divided and this application February 20, 1950, Serial No. 8,037. Term of patent 14 years
(Cl. D44—9)



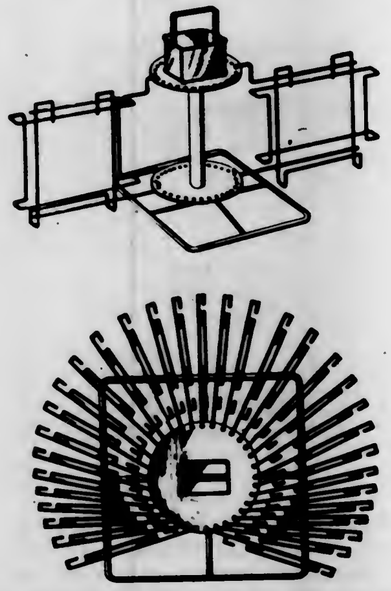
The ornamental design for a cup or similar article, as shown.

162,290
SHEET OF WRAPPING PAPER OR THE LIKE
James E. Donaldson, Chicago, Ill.
Application September 22, 1949, Serial No. 5,132
Term of patent 14 years
(Cl. D59—2)



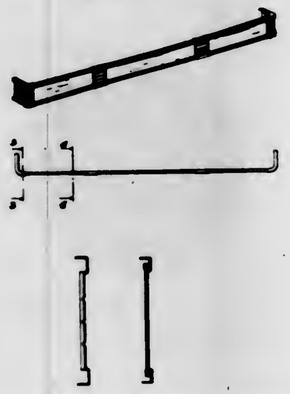
The ornamental design for a sheet of drawing paper or the like, as shown.

162,291
DISPLAY STAND
Arthur D. Duncan, Los Angeles, Calif., assignor to Capitol Records, Inc., Hollywood, Calif., a corporation of California
Application September 12, 1950, Serial No. 12,153
Term of patent 7 years
(Cl. D60—10)



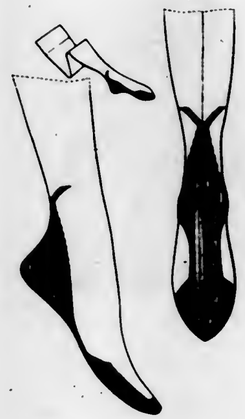
The ornamental design for a display stand, as shown and described.

162,292
WINDOW VALANCE
George E. Eckert, Fort Atkinson, Wis., assignor to Mee Light, Inc., Fort Atkinson, Wis., a corporation of Wisconsin
Application September 15, 1950, Serial No. 12,197
Term of patent 14 years
(Cl. D21—6)



The ornamental design for a window valance, as shown.

162,293
STOCKING
Harry A. Fleischeim, New York, N. Y., assignor to Wisteria Hosiery Mills, Inc., Gastonia, N. C., a corporation of North Carolina
Application June 15, 1950, Serial No. 10,535
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,294
NARROW EMBROIDERED FABRIC OR THE LIKE
Beatrice Friedman, New York, N. Y.
Application August 22, 1950, Serial No. 11,876
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a narrow embroidered fabric or the like, substantially as shown.

162,295
CASE END FOR SCREENS
René Gardiner, Elmhurst, Ill., assignor to Da-Lite Screen Company, Inc., a corporation of Illinois
Application November 4, 1948, Serial No. 149,454
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a case end for screens, as shown.

162,296
PRESSURE SPRAY DEVICE
Thomas T. Graham, Houston, Tex., assignor of one-half to Ocie P. Alexander, Houston, Tex.
Application September 29, 1949, Serial No. 5,213
Term of patent 14 years
(Cl. D62—2)



The ornamental design for a pressure spray device, as shown.

162,297
SELF-CONTAINED AIR CONDITIONING UNIT
Lurelle Guild, New York, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 7, 1950, Serial No. 11,657
Term of patent 7 years
(Cl. D62—4)



The ornamental design for a self-contained air conditioning unit as shown and described.

162,298
DOILY OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 3, 1950, Serial No. 9,662
Term of patent 14 years
(Cl. D59—2)



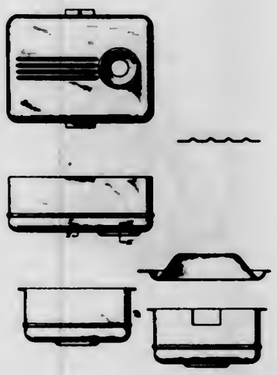
The ornamental design for a doily or similar article, substantially as shown and described.

162,299
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 14, 1950, Serial No. 12,187
Term of patent 14 years
(Cl. D59—2)



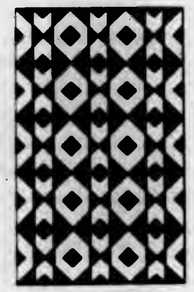
The ornamental design for a place mat or similar article, substantially as shown and described.

162,300
COMBINATION ELECTRIC LAMP FIXTURE AND HOUSING FOR DOOR OPENING AND CLOSING MECHANISM
George H. Hansen, Jr., Kansas City, Kans., assignor to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application January 16, 1950, Serial No. 7,268
Term of patent 7 years
(Cl. D10—7)



The ornamental design for a combination electric lamp fixture and housing for door opening and closing mechanism, as shown.

162,301
TEXTILE FABRIC OR SIMILAR ARTICLE
Richard J. Hibbard, Chester, Pa.
Application August 16, 1950, Serial No. 11,785
Term of patent 14 years
(Cl. D92—1)



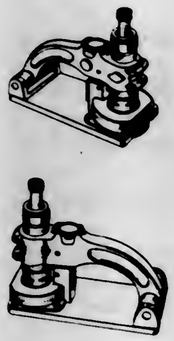
The ornamental design for a textile fabric or similar article, substantially as shown.

162,302
TUMBLER OR SIMILAR ARTICLE
Willard R. Horne, New York, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 20, 1950, Serial No. 10,641
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a tumbler or similar article, substantially as shown and described.

162,303
COMBINATION GRINDING AND SURFACING TOOL
Arthur O. Hughes, Anglesey, North Wales
Application September 8, 1950, Serial No. 12,110
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a combination grinding and surfacing tool, as shown.

162,304
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application November 1, 1950, Serial No. 12,805
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a greeting card, or the like, substantially as shown and described.

162,305
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application November 1, 1950, Serial No. 12,806
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a greeting card or the like, substantially as shown and described.

162,306
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application November 1, 1950, Serial No. 12,807
Term of patent 14 years
(Cl. D59—2)



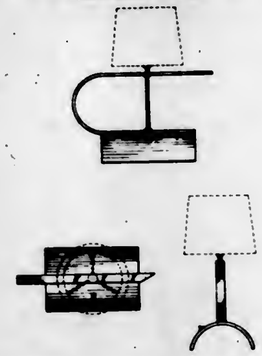
The ornamental design for a greeting card or the like, substantially as shown and described.

162,307
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application November 1, 1950, Serial No. 12,808
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a greeting card or the like, substantially as shown and described.

162,309
ELECTRIC LAMP
Vernon H. Kammer, East Detroit, Mich.
Application August 15, 1950, Serial No. 11,769
Term of patent 14 years
(Cl. D48—20)



The ornamental design for an electric lamp, as shown and described.

162,310
DOILY
Edward Karfiol, Great Neck, N. Y., assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y., a corporation of New York
Application September 1, 1950, Serial No. 12,019
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a doily, as shown and described.

162,311
DOILY
Edward Karfiol, Great Neck, N. Y., assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y., a corporation of New York
Application September 1, 1950, Serial No. 12,020
Term of patent 14 years
(Cl. D59—2)



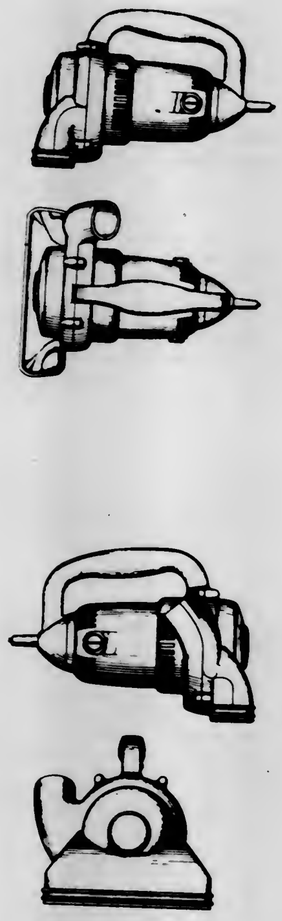
The ornamental design for a doily, as shown and described.

162,308
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application November 1, 1950, Serial No. 12,809
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a greeting card or the like, substantially as shown and described.

162,312
PORTABLE VACUUM CLEANER
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Continuation of design application Serial No. 4,187, July 28, 1949, which was a continuation of design application Serial No. 150,443, December 30, 1948, which was a continuation of design application Serial No. 146,708, January 1, 1948. This application July 7, 1950, Serial No. 10,991
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a portable vacuum cleaner, as shown and described.

162,313
BUCKLE
Samuel E. Kelman, Providence, R. I.
Application July 14, 1950, Serial No. 11,316
Term of patent 7 years
(Cl. D17—1)





The ornamental design for a buckle, as shown.

162,314
VEGETABLE CHUTE FOR A SLICING MACHINE
Cornelis Klingens and James Leslie Foster, La Porte, Ind., assignors to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application November 26, 1948, Serial No. 149,814
Term of patent 14 years
(Cl. D89—1)



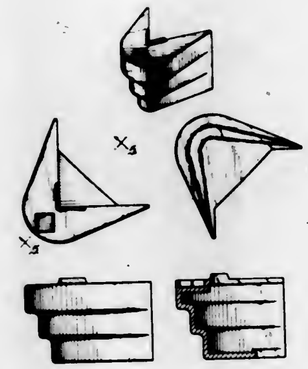
The ornamental design for a vegetable chute for a slicing machine, as shown.

162,315
CIGAR LIGHTER
Julius Kohn, New York, N. Y.
Application October 12, 1950, Serial No. 12,539
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigar lighter, as shown and described.

162,316
COMBINATION CORNER AND CHALK HOLDER FOR BILLIARD TABLE OR THE LIKE
George J. Kolivera, Chicago, Ill.
Application May 9, 1950, Serial No. 9,832
Term of patent 3½ years
(Cl. D34—3)



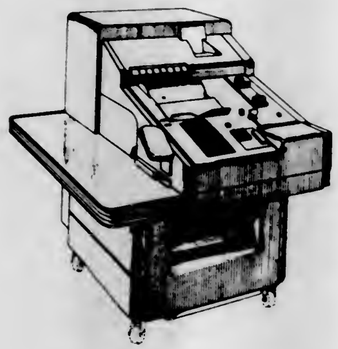
The ornamental design for a combination corner and chalk holder for billiard table or the like, as shown.

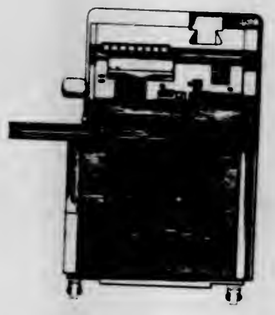
162,317
FIGURINE
Maurice Kramer, New York, N. Y.
Application July 6, 1950, Serial No. 10,989
Term of patent 7 years
(Cl. D29—23)



The ornamental design for a figurine, substantially as shown.

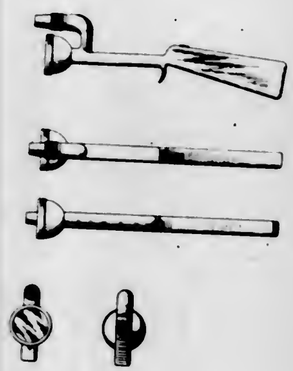
162,318
PROOF MACHINE
George H. Kress, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 9, 1950, Serial No. 9,818
Term of patent 14 years
(Cl. D64—11)





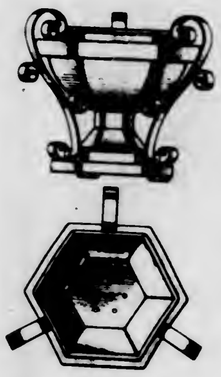
The ornamental design for a proof machine, substantially as shown and described.

162,319
COMBINATION FLASHLIGHT AND FISHING POLE HANDLE
Palmerino C. La Falce, Buffalo, N. Y.
Application November 30, 1950, Serial No. 13,269
Term of patent 14 years
(Cl. D31—4)



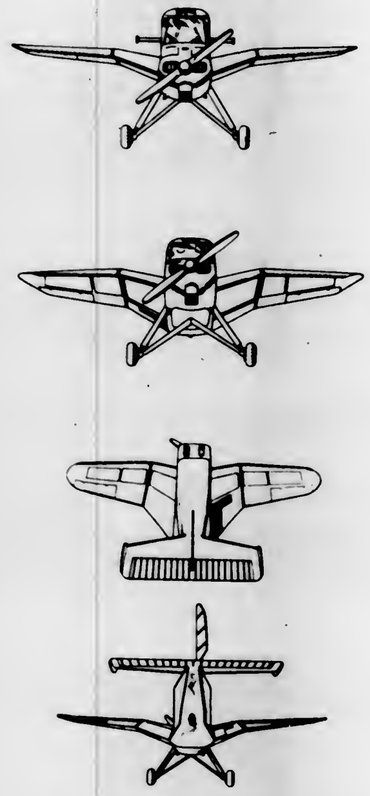
The ornamental design for a combination flash light and fishing pole handle, substantially as shown.

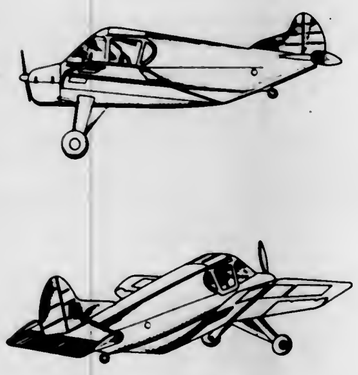
162,320
FLOWER POT
Bruno J. Lake, Oak Park, Ill.
Application November 28, 1950, Serial No. 13,149
Term of patent 7 years
(Cl. D35—3)



The ornamental design for a flower pot, substantially as shown.

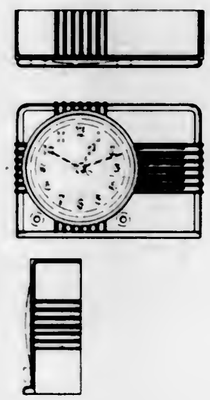
162,321
AIRPLANE
Edward M. Lanier, Croydon, Pa.
Application March 28, 1949, Serial No. 1,676
Term of patent 14 years
(Cl. D71—1)





The ornamental design for an airplane, substantially as shown.

162,322
CLOCKCASE
Ben Lerman, Chicago, Ill., assignor to Mastercrafters Clock & Radio Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1950, Serial No. 10,517
Term of patent 14 years
(Cl. D42—7)



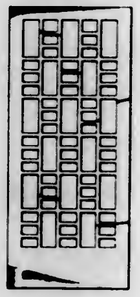
The ornamental design for a clockcase, substantially as shown and described.

162,323
KEYHOLE LIGHT
Robert D. Lightfoot, South Bend, Ind.
Application November 17, 1950, Serial No. 13,025
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a keyhole light, substantially as shown and described.

162,324
DOOR GRILLE OR THE LIKE
John E. Lindstrom, Aurora, Ill.
Application November 13, 1950, Serial No. 12,952
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a door grille or the like, as shown.

162,325
COMBINED VENETIAN BLIND HEAD BAR AND INSTALLATION BRACKETS ASSEMBLY
Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application June 17, 1948, Serial No. 147,019
Term of patent 14 years
(Cl. D21—6)



The ornamental design for a combined Venetian blind head bar and installation brackets assembly, substantially as shown.

162,326
ALARM CLOCK
Frederick Lux, Middlebury, Conn.
Application March 9, 1950, Serial No. 8,432
Term of patent 14 years
(Cl. D42—7)





The ornamental design for an alarm clock, as shown.

162,327
FABRIC OR THE LIKE FOR GRILLES OF RADIOS
John A. MacIntyre, Barrington, R. I., assignor to B & M Mills, Inc., a corporation of Rhode Island
Application November 18, 1950, Serial No. 13,041
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a fabric or the like for grilles of radios, substantially as shown.

162,328
GUARD PIN
Edward C. Manchester, Attleboro, Mass., assignor to Walter W. Ross and Company, Inc., Kansas City, Mo., a corporation of Missouri
Application October 25, 1950, Serial No. 12,715
Term of patent 14 years
(Cl. D29—2)



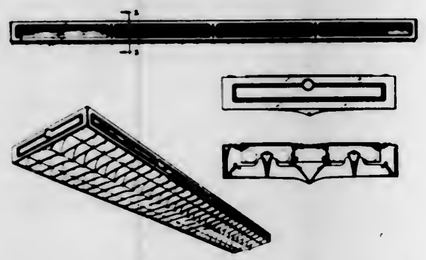
The ornamental design for a guard pin, as shown and described.

162,329
GUARD PIN
Edward C. Manchester, Attleboro, Mass., assignor to Walter W. Ross and Company, Inc., Kansas City, Mo., a corporation of Missouri
Application October 25, 1950, Serial No. 12,716
Term of patent 14 years
(Cl. D29—2)



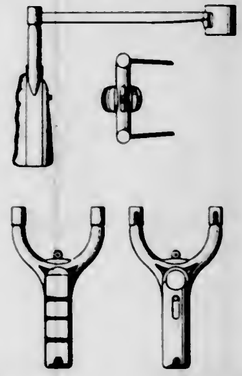
The ornamental design for a guard pin, as shown and described.

162,330
FLUORESCENT LIGHTING FIXTURE
Carl X. Meyer, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application May 27, 1950, Serial No. 10,245
Term of patent 14 years
(Cl. D48—23)

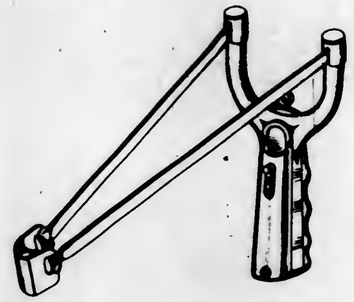


The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

162,331
SLINGSHOT
Melvin G. Miller, Houston, and Talley W. Nichols, Pasadena, Tex.; said Miller assignor to said Nichols
Application October 25, 1948, Serial No. 149,284
Term of patent 14 years
(Cl. D34—15)

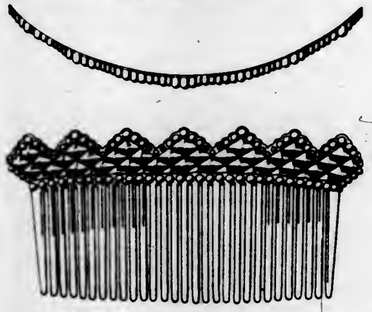


162,331—Continued



The ornamental design for a sling shot, as shown.

162,332
COMB
L[illegible] Mitchell, New York, N. Y.
Application June 28, 1950, Serial No. 10,788
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb, as shown.

162,333
CHILD'S FLOAT OR SIMILAR ARTICLE
William Finley Moore, Lake City, Fla.
Application July 6, 1948, Serial No. 147,405
Term of patent 3½ years
(Cl. D34—15)



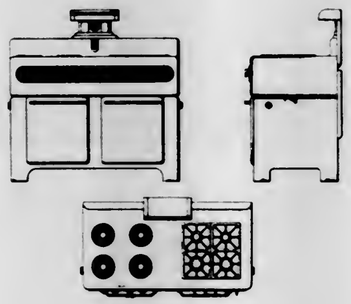
The ornamental design for a child's float or similar article, as shown.

162,334
BADGE
Richard C. Murray, Kansas City, Mo., assignor to Sertoma International, Kansas City, Mo., a corporation of Kansas
Application September 18, 1950, Serial No. 12,241
Term of patent 14 years
(Cl. D29—2)



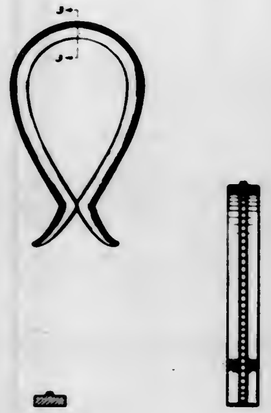
The ornamental design for a badge, as shown and described.

162,335
KITCHEN RANGE
Enos G. Neto, Taunton, Mass.
Application April 24, 1950, Serial No. 9,437
Term of patent 3½ years
(Cl. D61—4)



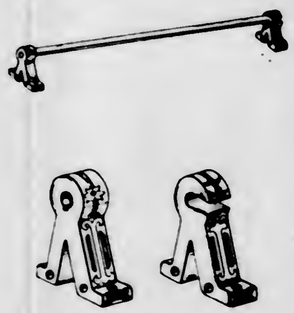
The ornamental design for a kitchen range, as shown and described.

162,336
BOOTCLIP OR SIMILAR ARTICLE
George F. Oest and Margaret C. Oest, Rochester, N. Y.
Application June 17, 1950, Serial No. 10,599
Term of patent 7 years
(Cl. D17—3)



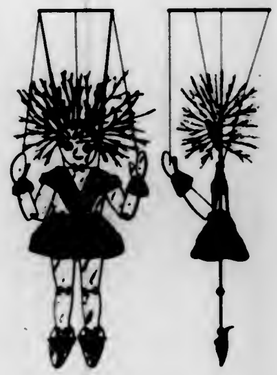
The ornamental design for a bootclip or similar article, substantially as shown.

162,337
SACROILIAC BAR
James A. O'Gatty, Los Angeles, Calif.
Application March 17, 1950, Serial No. 8,578
Term of patent 14 years
(Cl. D62—1)



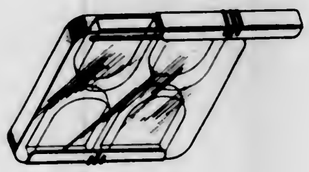
The ornamental design for a sacroiliac bar, as shown and described.

162,338
PUPPET OR SIMILAR ARTICLE
Mildred May Osgood, New York, N. Y.
Application October 25, 1950, Serial No. 12,709
Term of patent 14 years
(Cl. D34—15)



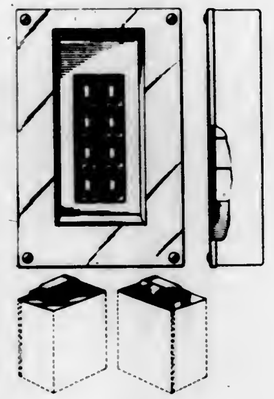
The ornamental design for a puppet or similar article, as shown.

162,339
OPTICAL FILTER HOLDER
Sidney Phillips, Brooklyn, N. Y.
Application July 13, 1948, Serial No. 147,514
Term of patent 7 years
(Cl. D61—1)



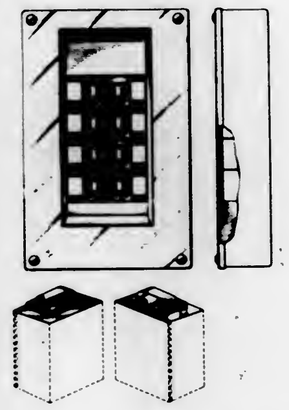
The ornamental design for an optical filter holder, substantially as shown and described.

162,340
ELECTRIC CONTROL PANEL BOARD
Elwood T. Platz, William Robertson, and Louis W. Higgins, Detroit, Mich., assignors to BullDog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application January 10, 1948, Serial No. 143,654
Term of patent 14 years
(Cl. D26—13)



The ornamental design for an electric control panel board, substantially as shown and described.

162,341
ELECTRIC CONTROL PANEL BOARD
Elwood T. Platz, William Robertson, and Louis W. Higgins, Detroit, Mich., assignors to BullDog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application March 5, 1948, Serial No. 144,926
Term of patent 14 years
(Cl. D26—13)



The ornamental design for an electric control panel board, substantially as shown and described.

162,342
ELECTRIC CONTROL PANEL BOARD
Elwood T. Platz, William Robertson, and Louis W. Higgins, Detroit, Mich., assignors to BullDog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application April 13, 1948, Serial No. 145,698
Term of patent 14 years
(Cl. D26—13)



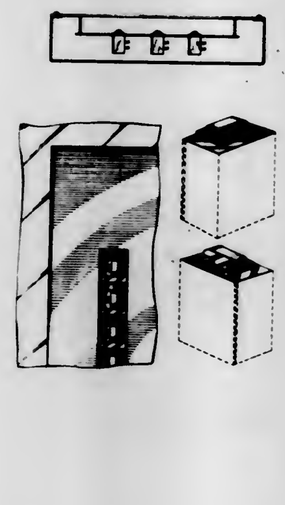
The ornamental design for an electric control panel board, substantially as shown and described.

162,343
STOCKING
Isador Rabinovitz, Philadelphia, Pa.
Application May 17, 1949, Serial No. 2,713
Term of patent 3½ years
(Cl. D47—7)



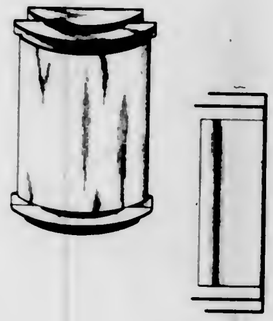
The ornamental design for a stocking, as shown.

162,344
DOOR KNOCKER
Snowden L. Rains, St. Charles, Mo.
Application July 13, 1950, Serial No. 11,123
Term of patent 7 years
(Cl. D10—7)



The ornamental design for a door knocker, as shown.

162,345
OZONE-LAMP FIXTURE
Raymond B. Roney, Arcadia, Calif.
Application October 10, 1950, Serial No. 12,510
Term of patent 7 years
(Cl. D48—30)



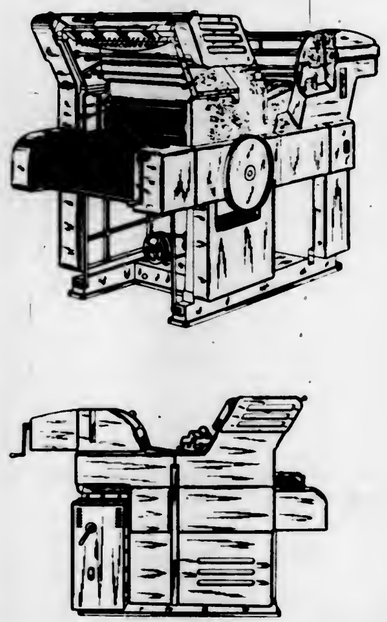
The ornamental design for an ozone-lamp fixture, substantially as shown and described.

162,346
COMB OR SIMILAR ARTICLE
Max Rosedale, New York, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application June 3, 1950, Serial No. 10,335
Term of patent 7 years
(Cl. D86—8)



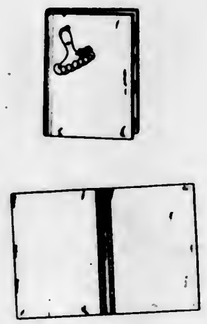
The ornamental design for a comb or similar article, substantially as shown.

162,347
PRINTING PRESS
Viktor Schreckengost, East Cleveland, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application November 1, 1950, Serial No. 12,802
Term of patent 14 years
(Cl. D64—11)



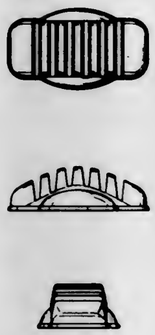
The ornamental design for a printing press, as shown and described.

162,348
CONTAINER FOR SLIPS OR THE LIKE
Robert B. Senderowitz, Allentown, Pa.
Application July 17, 1950, Serial No. 11,232
Term of patent 14 years
(Cl. D58—2)



The ornamental design for a container for slips or the like, substantially as shown and described.

162,349
MATCH BOOK DISPLAY STAND
Joseph Shapiro, St. Louis, Mo.
Application July 10, 1950, Serial No. 11,039
Term of patent 3½ years
(Cl. D90—9)



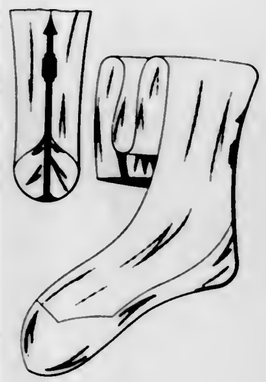
The ornamental design for a match-book display stand, substantially as shown.

162,350
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application July 12, 1950, Serial No. 11,100
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,351
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application November 17, 1950, Serial No. 13,033
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,352
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application November 17, 1950, Serial No. 13,034
Term of patent 14 years
(Cl. D47—7)



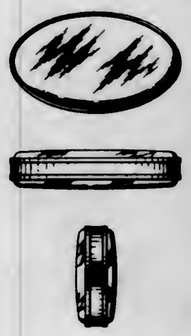
The ornamental design for a stocking, as shown.

162,353
INFANT'S TOY ANIMAL FIGURE OR SIMILAR ARTICLE
Naomi V. Simmons, Dallas, Tex.
Application January 16, 1950, Serial No. 7,270
Term of patent 7 years
(Cl. D34—15)



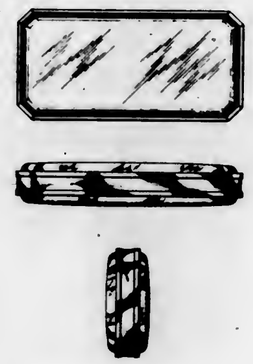
The ornamental design for an infant's toy animal figure or similar article, substantially as shown.

162,354
SIGN OR SIMILAR ARTICLE
Kenneth F. Smith, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio
Application July 13, 1949, Serial No. 3,884
Term of patent 14 years
(Cl. D1—12)



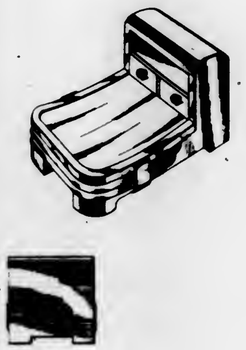
The ornamental design for a sign or similar article, as shown.

162,355
SIGN OR SIMILAR ARTICLE
Kenneth F. Smith, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio
Application July 13, 1949, Serial No. 3,886
Term of patent 14 years
(Cl. D1—12)



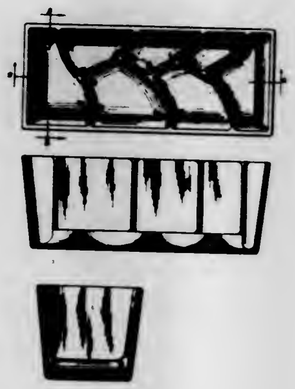
The ornamental design for a sign or similar article, as shown.

162,356
RAZOR BLADE SHARPENER
Richard Smith, Tucson, Ariz.
Application July 28, 1950, Serial No. 11,459
Term of patent 14 years
(Cl. D37—1)



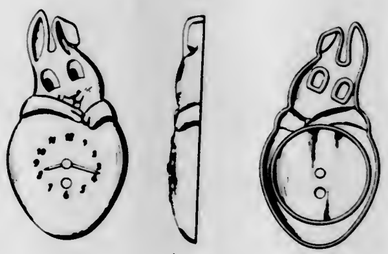
The ornamental design for a razor blade sharpener, as shown.

162,357
BAKING PAN
Joseph Sobel, Camden, N. J.
Application December 5, 1949, Serial No. 6,411
Term of patent 3½ years
(Cl. D44—1)



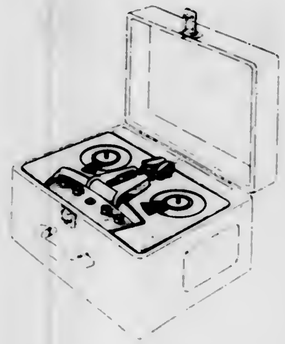
The ornamental design for a baking pan, substantially as shown.

162,358
CLOCK
Irene Winston Spier, New York, N. Y., assignor to Beacon Plastic & Metal Products, Inc., New York, N. Y., a corporation of New York
Application April 8, 1950, Serial No. 9,073
Term of patent 14 years
(Cl. D42—7)



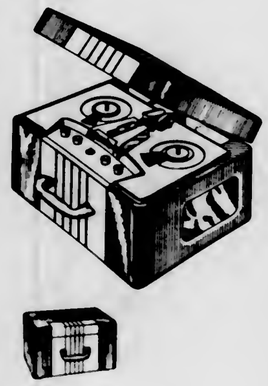
The ornamental design for a clock, substantially as shown.

162,359
COMBINATION MAGNETIC RECORDER AND REPRODUCER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application August 19, 1950, Serial No. 11,853
Term of patent 14 years
(Cl. D26—14)



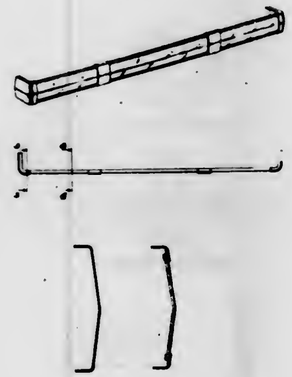
The ornamental design for a combination magnetic recorder and reproducer, substantially as shown and described.

162,360
COMBINATION MAGNETIC RECORDER AND REPRODUCER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application August 19, 1950, Serial No. 11,854
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a combination magnetic recorder and reproducer as shown.

162,361
WINDOW VALANCE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Moe Light, Inc., Fort Atkinson, Wis., a corporation of Wisconsin
Application October 2, 1950, Serial No. 12,421
Term of patent 14 years
(Cl. D21—6)



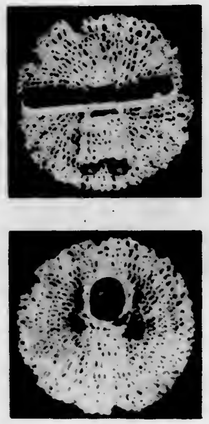
The ornamental design for a window valance, as shown.

162,362
STOCKING
William Tait, Wyomissing, Pa., assignor to Milway Knitting Mill, Inc., Milway, Pa., a corporation of Pennsylvania
Application June 3, 1950, Serial No. 10,322
Term of patent 14 years
(Cl. D47—7)



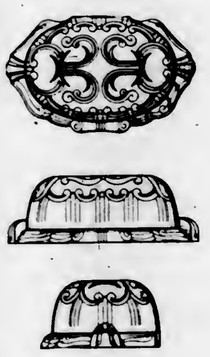
The ornamental design for a stocking, as shown.

162,363
BARRETTE OR SIMILAR ARTICLE
Edna May Walls, Washington, D. C.
Application October 31, 1950, Serial No. 12,789
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a barrette or similar article, as shown.

162,364
JEWELRY BOX
Milton Weill, New York, N. Y.
Application June 8, 1950, Serial No. 10,404
Term of patent 7 years
(Cl. D86—9)



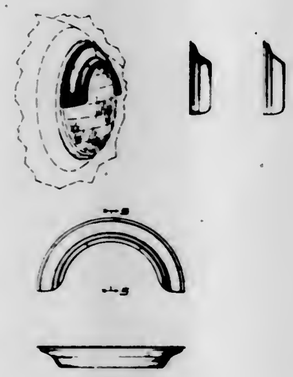
The ornamental design for a jewelry box, as shown.

162,365
LADY'S STOCKING
Joe T. Welch, Burlington, N. C., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware
Application July 6, 1950, Serial No. 10,986
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

162,366
SAFETY AUTOMOBILE HEADLIGHT LENS SHIELD
Edward L. Wood, Detroit, Mich.
Application October 17, 1950, Serial No. 12,604
Term of patent 14 years
(Cl. D48—32)



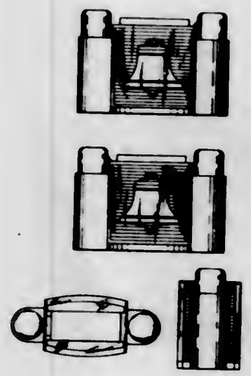
The ornamental design for a safety automobile headlight lens shield, substantially as shown and described.

162,367
PERPETUAL CALENDAR
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application June 30, 1949, Serial No. 3,649
Term of patent 14 years
(Cl. D74—5)



The ornamental design for a perpetual calendar, as shown and described.

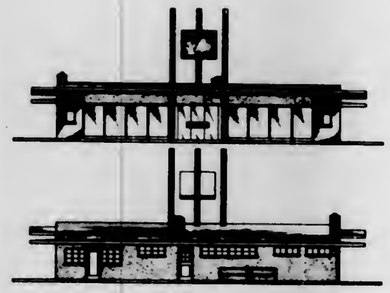
162,368
COMBINATION DESK CIGARETTE CONTAINER AND LIGHTER
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application November 10, 1950, Serial No. 12,933
Term of patent 14 years
(Cl. D85—2)



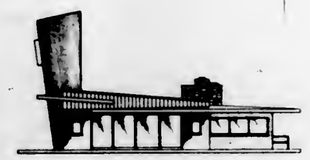
The ornamental design for a combination desk cigarette container and lighter, as shown.

162,369
ROADSIDE RESTAURANT OR THE LIKE
Paul Wrablica, Jr., Corona, N. Y., assignor to Shor's Catering Corporation, Rockville Centre, N. Y., a corporation of New York
Application August 29, 1950, Serial No. 11,983
Term of patent 14 years
(Cl. D13—1)





162,369—Continued





The ornamental design for a roadside restaurant or the like, substantially as shown.

March 13, 1951 Volume 644 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 585,096, Mar. 13. Class 39.

Air Associates, Inc., Teterboro, N. J. Electric screw jacks, hydraulic jacks, accumulators, etc. Serial No. 585,733, Mar. 13. Class 23.

Aircraft Owners and Pilots Association, Washington, D. C. Metal tag. Serial No. 545,573, Mar. 13. Class 50.

Alamo Plaza Hotel Courts: *See*—
Mooney, Charles.

Alaska Pine Sales Limited, Vancouver, British Columbia, Canada. Unfinished and finished lumber and millwork. Serial Nos. 589,362–4, Mar. 13. Class 12.

Allen Chemicals Corporation, Chicago, Ill. Deodorants and disinfectants. Serial No. 583,379, Mar. 13. Class 6.

Allen, Robert, Company, St. Paul, Minn. Finger rings. Serial No. 584,375, Mar. 13. Class 28.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. Serial No. 548,774, Mar. 13. Class 21.

All-Steel Equipment Inc., Aurora, Ill. Hardware. Serial No. 548,900, Mar. 13. Class 13.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. Serial No. 554,198, Mar. 13. Class 21.

American Art Metals Company, Atlanta, Ga. Metallic entrance frames and metallic building trim. Serial No. 583,461, Mar. 13. Class 12.

American Brake Shoe Company, New York, N. Y. Plastic tiles and plastic slabs. Serial No. 572,078, Mar. 13. Class 12.

American Character Doll Co., New York, N. Y. Dolls. Serial No. 596,471, Mar. 13. Class 22.

American Furniture Novelty Company, Chicago, Ill. Desks, coffee tables, cabinets, etc. Serial No. 586,832, Mar. 13. Class 32.

American Oil Company, The, Baltimore, Md. Industrial oil. Serial No. 592,454, Mar. 13. Class 15.

American Oil Company, The, Baltimore, Md. Flushing oil. Serial No. 592,457, Mar. 13. Class 52.

American Plastic Products Co., Detroit, Mich. Stools. Serial No. 592,857, Mar. 13. Class 32.

American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighters. Serial No. 601,587, Mar. 13. Class 8.

Ames Manufacturing Company, Inc., Forest City, Pa., and New York, N. Y. Blouses for women and children. Serial No. 596,704, Mar. 13. Class 39.

Anzellotti, Rocco, Torrington, Conn. Medicated liquid or cream hair conditioner, medicated skin aid cream. Serial No. 573,298, Mar. 13. Class 18.

Apex Products Corporation, New York, N. Y. Key holders, key rings and key chains. Serial No. 598,698, Mar. 13. Class 13.

Appliance Corporation of America, Milwaukee, Wis. Household washing machines. Serial No. 590,214, Mar. 13. Class 24.

Armand Company, The, Des Moines, Iowa. Hand and bath soap. Serial No. 555,475, Mar. 13. Class 52.

Armand Company, The, Des Moines, Iowa. Hand and bath soap. Serial No. 555,479, Mar. 13. Class 52.

Ar. Winarick, Inc., New York, N. Y. Hair tonic. Serial No. 590,120, Mar. 13. Class 51.

Astatic Corporation, The, Conneaut, Ohio. Microphones. Serial No. 601,706, Mar. 13. Class 21.

Atlantic Products Corporation, Trenton, N. J. Golf bags. Serial No. 597,489, Mar. 13. Class 22.

Aurora Undergarment Co., Inc., Brooklyn, N. Y. Ladies' panties. Serial No. 592,974, Mar. 13. Class 39.

Autoyre Company, Incorporated, The, Oakville, Conn. Kitchen and bathroom accessories. Serial No. 544,026, Mar. 13. Class 13.

B. G. Garment Co., Chicago, Ill. Juniors' and misses' better dresses and suits. Serial No. 556,550, Mar. 13. Class 39.

Backus, Cecil F., doing business under name of ZeZ Adhesives Company, Wilmington, Del. Self-adherent durable plastic repair compositions. Serial No. 595,442, Mar. 13. Class 6.

Baldor Electric Company, St. Louis, Mo. Electric motors, rectifiers, and electric fans. Serial No. 594,943, Mar. 13. Class 21.

Baltimore Paint & Color Works, Baltimore, Md. Automobile finishes; and liquid varnish removers. Serial No. 545,218, Mar. 13. Class 4.

Baltimore Paint & Color Works, doing business as Coronet Products Company, Baltimore, Md. Automobile finishes, etc. Serial No. 547,604, Mar. 13. Class 4.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 597,658, Mar. 13. Class 42.

Baxter Laboratories, Inc., Morton Grove, Ill. Fluids for parenteral use. Serial No. 594,353, Mar. 13. Class 18.

Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. Serial No. 561,435, Mar. 13. Class 22.

Beau-T-Form Foundations, Inc., Chicago, Ill. Sanitary napkin supporters. Serial No. 573,704, Mar. 13. Class 44.

Belmont International, Inc., New York, N. Y. Men's and women's watches. Serial No. 590,416, Mar. 13. Class 27.

Belmont International, Inc., New York, N. Y. Men's and women's watches. Serial No. 590,418, Mar. 13. Class 27.

Bercut-Richards Packing Company, Sacramento, Calif. Canned tomatoes. Serial No. 547,421, Mar. 13. Class 46.

Bernstein, J., & Sons, New York, N. Y. Corduroy fabrics. Serial No. 593,526, Mar. 13. Class 42.

Bestwest Produce Co.: *See*—
Laskin, Maurie.

Bilt-Mor Rugs, Inc., Chicago, Ill. Textile rugs, carpets, and floor coverings. Serial No. 584,790, Mar. 13. Class 42.

Blair of Virginia: *See*—
Morton Manufacturing Corp.

Bodle-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oils. Serial No. 538,486, Mar. 13. Class 15.

Boneless Turkey, Inc., New York, N. Y. Roasted, boneless processed turkey meat. Serial No. 585,102, Mar. 13. Class 46.

Borax Consolidated, Limited: *See*—
Pacific Coast Borax Company.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Liquid rubber solvent and cleaner, etc. Serial No. 532,207, Mar. 13. Class 52.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 589,107, Mar. 13. Class 22.

Brady, W. H., Co., Milwaukee, Wis. Identification labels. Serial No. 592,470, Mar. 13. Class 38.

Bridgetts, Howard V., Brooklyn, N. Y. Sundried and salt-cured codfish. Serial No. 591,891, Mar. 13. Class 46.

Brothers Pharmacal Co., Orange, N. J. Multi-vitamins with sodium fluoride. Serial No. 591,452, Mar. 13. Class 18.

Broward County Kennel Club, Inc., Hallandale, Fla. Daily racing sheets and daily newspaper columns. Serial No. 593,160, Mar. 13. Class 38.

Brown-Marco, Inc., New York, N. Y. Fuel oil solvent. Serial No. 599,813, Mar. 13. Class 15.

Bruner-Ritter, Inc., New York, N. Y. Bracelets, wrist watch bracelets. Serial No. 597,938, Mar. 13. Class 28.

Bucket O'Bucks, Inc., North Hollywood, Calif. Trade certificates. Serial No. 592,864, Mar. 13. Class 38.

Buffalo Frosted Foods, Inc., Fredonia, N. Y. Canned tomato paste. Serial No. 597,999, Mar. 13. Class 46.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,622, Mar. 13. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 586,679, Mar. 13. Class 27.

Burnex Products Co.: *See*—
Silber, Samuel.

Burwinkel, Frank T., doing business as Ohio Typewriter Service, Cincinnati, Ohio. Collections of instruction sheets or display cards. Serial No. 578,485, Mar. 13. Class 38.

Calissi, Paul C., doing business as Calpa Products Company, Philadelphia, Pa. Portable electric floor and table lamps. Serial No. 508,712, Mar. 13. Class 21.

Calpa Products Company: *See*—
Calissi, Paul C.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Roofing, etc. Serial No. 556,774, Mar. 13. Class 12.

Carol-Deb Company, Pawtucket, R. I. Jewelry. Serial No. 596,653, Mar. 13. Class 28.

Carpenter Chemical Company, Detroit, Mich. Liquid substitute for court plaster. Serial No. 585,971, Mar. 13. Class 18.

Catz American Co., Inc., New York, N. Y. Canned lobster. Serial No. 594,950, Mar. 13. Class 46.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Cover paper. Serial No. 527,297, Mar. 13. Class 37.

Chassanoff, Morris, Newark, N. J. Asbestos press pads. Serial No. 606,208, Mar. 13. Class 24.

Clopay Corporation, Cincinnati, Ohio. Window draperies. Serial No. 596,558, Mar. 13. Class 42.

Cohen, Harry A., trading under the name Standard Electric Manufacturing Co., West Berlin, N. J. Portable, unitary, hand-manipulable electrically operated agitator. Serial No. 584,053, Mar. 13. Class 21.

Colonial Chemical Co. Inc., Seattle, Wash. Medicated water-miscible ointment. Serial No. 576,043, Mar. 13. Class 18.

Commonwealth Sanitation Company, Pittsburgh, Pa. Pest control service and inspection. Serial No. 596,014, Mar. 13. Class 103.

Concord Pen Company, Inc., New York, N. Y. Fountain pens. Serial No. 573,169, Mar. 13. Class 37.
Concord Products Corporation, Chicago, Ill. Metal folding tables. Serial No. 597,433, Mar. 13. Class 32.
Consolidated Dental Manufacturing Co. Inc., Brooklyn, N. Y. Dental alloys, bridgework, etc. Serial No. 591,147, Mar. 13. Class 44.
Coro, Inc., New York, N. Y. Jewelry. Serial No. 596,080, Mar. 13. Class 28.
Coronet Products Company: *See*—
Baltimore Paint & Color Works.
Crest Dye Works, Inc., New York, N. Y. Pre-boarding, washing, boarding, and dyeing hosiery. Serial No. 543,686, Mar. 13. Class 103.
Cross, A. T., Pencil Company, Providence, R. I. Mechanical pencils. Serial No. 562,180, Mar. 13. Class 37.
Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Toilet tissue. Serial No. 527,115, Mar. 13. Class 37.
Cussins and Fearn Company, The, Columbus, Ohio. Carpenters' and mechanics' tools. Serial No. 551,368, Mar. 13. Class 23.
Davin, S. J.: *See*—
Davin, Sebastian J.
Davin, Sebastian J., doing business under the trade name S. J. Davin, Indianapolis, Ind. Malt and vegetable concentrate. Serial No. 563,243, Mar. 13. Class 46.
De Forest-Sanabria Corporation, The, Chicago, Ill. Visual and aural educational equipment. Serial No. 583,740, Mar. 13. Class 26.
De Hart, Clyde M., doing business under the name De Hart Sheet Metal and Roofing Co., Chickasha, Okla. Shingles; clay tile, and felt; gutters; etc. Serial No. 582,728, Mar. 13. Class 12.
De Hart Sheet Metal and Roofing Co.: *See*—
De Hart, Clyde M.
De Jur-Amsco Corporation, Long Island City, N. Y. Motion picture projectors. Serial No. 598,713, Mar. 13. Class 26.
Delaware, Lackawanna & Western Coal Company, The, New York, N. Y. Coal. Serial No. 560,605, Mar. 13. Class 1.
Dempster Mill Manufacturing Company, Beatrice, Nebr. Seed planting apparatus. Serial No. 597,949, Mar. 13. Class 23.
De Vivo, Armando: *See*—
Rowe, James R., and De Vivo, A. and F. J.
De Vivo, Florence J.: *See*—
Rowe, James R., and De Vivo, A. and F. J.
Dewberry Drug Company, Birmingham, Ala. Antiseptic mouth wash. Serial No. 578,261, Mar. 13. Class 18.
Dixie Spindle & Flyer Company, Inc., Charlotte, N. C. Leveling and alining textile machinery. Serial No. 572,027, Mar. 13. Class 103.
Doall Company, The, Des Plaines, Ill. Band saws, band filers, saws, etc. Serial No. 585,273, Mar. 13. Class 23.
Drel, Incorporated, Cleveland, Ohio. Pharmaceutical preparation. Serial No. 573,912, Mar. 13. Class 18.
Drexel Furniture Company, Drexel, N. C. Living room furniture, and bedroom furniture. Serial No. 597,950, Mar. 13. Class 32.
Du Bois Company: *See*—
Noble Chemical Corporation.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic thermoplastic resins and compounds and mixtures. Serial No. 569,356, Mar. 13. Class 6.
East Bay Fisheries, San Francisco, Calif. Condensed fish solubles. Serial No. 595,712, Mar. 13. Class 10.
Ebauches A. G.: *See*—
Ebauches Ltd.
Ebauches Ltd., also doing business as Ebauches S. A., and Ebauches A. G., Neuchatel, Switzerland. Watches, watch movements, and parts thereof. Serial No. 589,777, Mar. 13. Class 27.
Ebauches S. A.: *See*—
Ebauches Ltd.
Eden Laboratories, Inc., Cranston, R. I. Medicated ointments. Serial No. 575,397, Mar. 13. Class 18.
Electrical Information Publications, Inc., Madison, Wis. Periodical publication. Serial No. 599,317, Mar. 13. Class 38.
Electro Refractories and Alloys Corporation, Buffalo, N. Y. Refractory materials. Serial No. 591,980, Mar. 13. Class 12.
Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.
Elliott Addressing Machine Company, The, Cambridge, Mass. Addressing machines. Serial No. 585,995, Mar. 13. Class 23.
Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies', misses', and children's coats, suits, dresses, etc. Serial No. 546,286, Mar. 13. Class 39.
Enge, Evelyn E., doing business as Little Otto Company, Chicago, Ill. Collapsible foot and leg rest. Serial No. 597,329, Mar. 13. Class 32.
Eskimo Pie Corporation, Bloomfield, N. J. Shredded coconut. Serial No. 598,462, Mar. 13. Class 46.
Etna Recording Co., Inc., New York, N. Y. Grooved phonograph records. Serial No. 570,842, Mar. 13. Class 36.
Everfine Jewelry Mfg. Co., Providence, R. I. Jewelry. Serial No. 579,534, Mar. 13. Class 28.
Excel Garment Manufacturing Company, Minneapolis, Minn. Children's light weight snow suits. Serial No. 574,615, Mar. 13. Class 39.
Fair Lawn Finishing Company, Fair Lawn, N. J. Scouring, dyeing, singeing, heat setting, etc., of textile fabrics in the piece. Serial No. 590,739, Mar. 13. Class 106.
Fair, The, Chicago, Ill. Smokers' pipes. Serial No. 598,641, Mar. 13. Class 8.
Faure, Simon, Firminy, France. Cable hoisting and draught apparatus. Serial No. 566,579, Mar. 13. Class 23.
Federation Suisse des Association de Fabricants d'Horlogerie, Bienne, Switzerland. Watches. Serial Nos. 580,293–4, Mar. 13. Class 27.
Feed Products: *See*—
Transit Grain Co.
Feerst, Abraham, & Co., Inc., New York, N. Y. Embroidered insertions, edgings, and medallions. Serial No. 568,602, Mar. 13. Class 40.
Felton Chemical Company, Inc., Brooklyn, N. Y. Essential oils. Serial No. 580,586, Mar. 13. Class 6.
Fewel Bros. Packing Company, also doing business as Selma Packing Company, Fresno and Selma, Calif. Raisins. Serial No. 594,312, Mar. 13. Class 46.
Flexan Corporation, The, Chicago, Ill. Flexible sanding discs. Serial No. 577,477, Mar. 13. Class 4.
Flexi-Mat Corporation, Chicago, Ill. Noiseless and waterproof floor mats. Serial No. 546,379, Mar. 13. Class 50.
Florida Sun Publishing Company, The, Miami and Miami Beach, Fla. Daily newspaper. Serial Nos. 590,264–5, Mar. 13. Class 38.
Food-O-Mat Corporation, New York, N. Y. Display, sales, and storage stands. Serial No. 575,006, Mar. 13. Class 32.
Formica Company, The, Cincinnati, Ohio. Combination dressing table-lavatory unit. Serial No. 578,926, Mar. 13. Class 13.
Franklin Research Company, Philadelphia, Pa. Cleaner. Serial No. 578,966, Mar. 13. Class 52.
Furlager Manufacturing Co. Inc., New York, N. Y. Powder puffs. Serial No. 578,325, Mar. 13. Class 29.
G. & H. Specialties, Inc., Horton, Kans. Fishing equipment. Serial No. 576,327, Mar. 13. Class 22.
Game Time, Inc., Litchfield, Mich. Playground apparatus. Serial No. 597,676, Mar. 13. Class 22.
Gardner, Robert E., Churchville, N. Y. Series of cartoons. Serial No. 598,790, Mar. 13. Class 38.
Garrott Candy Company, St. Paul, Minn. Candies. Serial No. 585,320, Mar. 13. Class 46.
Gem Products, Inc., Milwaukee, Wis. Lubricating oils. Serial No. 575,982, Mar. 13. Class 15.
General Controls Co., Glendale, Calif. Electromagnetically and electrically operated valves for controlling the flow of refrigerant, etc. Serial No. 600,432, Mar. 13. Class 31.
General Time Corporation, New York, N. Y., and Thomaston, Conn. Clocks. Serial No. 589,846, Mar. 13. Class 27.
Gilleo, A. J., Detroit, Mich. Wetting agent and fire extinguishing powder. Serial No. 595,317, Mar. 13. Class 6.
Gillette Safety Razor Company, assignee: *See*—
Toni Company, The.
Globe Milker, Inc., Des Moines, Iowa. Milking machines. Serial No. 597,866, Mar. 13. Class 23.
Gold Medal Packing Corporation, Utica, N. Y. Meats and meat products. Serial No. 538,119, Mar. 13. Class 46.
Gold Par Products Co. Inc., New York, N. Y. Laundry soaps and alkali compound detergents. Serial No. 574,963, Mar. 13. Class 52.
Golden Peacock Co., Inc., Paris, Tenn. Toilet cream. Serial No. 594,769, Mar. 13. Class 51.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 593,630, Mar. 13. Class 27.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 593,635, Mar. 13. Class 27.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. Serial No. 571,429, Mar. 13. Class 46.
Halgreen, Inc., New York, N. Y. Watches, clocks and movements therefor. Serial Nos. 589,021–2, Mar. 13. Class 27.
Handling Devices Co., Inc., Boston, Mass. Industrial floor sweepers. Serial No. 588,087, Mar. 13. Class 23.
Harrison, Cosby P., Crossville, Tenn. Aviation advertising publication. Serial No. 571,479, Mar. 13. Class 38.
Hearst Corporation, The, New York, N. Y. Series of cartoons or comic strips. Serial No. 554,115, Mar. 13. Class 38.
Heil, Wendell B., Seattle, Wash. Informational services. Serial No. 594,640, Mar. 13. Class 107.
Hesse Machine & Mfg. Co., Inc., Boston, Mass. Children's toys. Serial No. 537,891, Mar. 13. Class 22.
Hickok Manufacturing Co., Inc., Rochester, N. Y. Pocket knives. Serial No. 585,935, Mar. 13. Class 23.
Hidalgo Packing Company, McAllen, Tex. Canned pineapple, canned pineapple juice and frozen vegetables. Serial No. 596,920, Mar. 13. Class 46.
Higgins Resources, Inc., New Orleans, La. Sealing compound. Serial No. 576,261, Mar. 13. Class 12.
Howard Industries, Inc., Chicago, Ill. Fractional horse power electric motors and gasoline engine driven electric generators. Serial No. 580,409, Mar. 13. Class 21.

Huff, Victor, New York, N. Y. Watches. Serial No. 595,378, Mar. 13. Class 27.
Hycalog Company, The, Shreveport, La. Well-logging services. Serial No. 577,120, Mar. 13. Class 100.
Hyman, Julius, & Company, Denver, Colo. Insecticides. Serial No. 591,034, Mar. 13. Class 6.
Ideal Industries, Inc., Sycamore, Ill. Wire stripping devices. Serial No. 576,059, Mar. 13. Class 23.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 594,465, Mar. 13. Class 22.
Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables. Serial No. 580,786, Mar. 13. Class 46.
Illinois Farm Supply Company, Chicago, Ill. Automotive storage batteries. Serial No. 594,972, Mar. 13. Class 21.
Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Cigarette lighters and cigarette lighters in combination with cigarette cases. Serial No. 600,490, Mar. 13. Class 8.
Industrial Research, Inc., Phoenix, Ariz. Liquid jet producing machines. Serial No. 546,994, Mar. 13. Class 23.
Insulation Manufacturers Corporation, Chicago, Ill. Electrical insulating material. Serial No. 600,053, Mar. 13. Class 21.
Insulation Manufacturers Corporation, Chicago, Ill. Electrical insulating material. Serial Nos. 600,655–6, Mar. 13. Class 21.
Insulation Manufacturers Corporation, Chicago, Ill. Wooden wedges. Serial No. 600,057, Mar. 13. Class 21.
Interatlantic Trading Corp., New York, N. Y. Costume jewelry. Serial No. 587,954, Mar. 13. Class 28.
International Association of Bridge Structural and Ornamental Iron Workers, St. Louis, Mo. Periodical. Serial No. 590,168, Mar. 13. Class 38.
Interstate Bakeries Corporation, doing business as Log Cabin Bread Co., Los Angeles, Calif., and Kansas City, Mo. Bread. Serial No. 510,691, Mar. 13. Class 46.
Kaltman, Samuel, doing business under the name and style of Mutual Spice Co., North Bergen, N. J. Spices and herbs. Serial No. 593,802, Mar. 13. Class 46.
Keuffel & Esser Company, Hoboken, N. J. Photo-sensitive reproduction materials, etc. Serial No. 525,866, Mar. 13. Class 26.
Keuffel & Esser Company, Hoboken, N. J. Drawing instruments, etc. Serial No. 525,875, Mar. 13. Class 26.
Keuffel & Esser Company, Hoboken, N. J. Lettering pens and band chains. Serial No. 526,250, Mar. 13. Class 26.
Keuffel & Esser Company, Hoboken, N. J. Light-sensitive reproduction papers and cloths, blueprint papers and cloths, etc. Serial No. 526,251, Mar. 13. Class 26.
Kiekhaefer Corparation, Cedarburg, Wis. Outboard motors, industrial engines and parts thereof. Serial No. 565,938, Mar. 13. Class 23.
Kingsland-Ferguson, Inc., Brooklyn, N. Y. Tonic. Serial No. 571,807, Mar. 13. Class 18.
Kinney and Company, Columbus, Ind. Lipotropic dietary supplement. Serial No. 589,159, Mar. 13. Class 18.
Kirsch, David, University City, Mo. Watch chains, neck chains, bracelets, etc. Serial No. 588,580, Mar. 13. Class 28.
Kirschman, Lewis, Company, Inc., New York, N. Y. Key ring. Serial No. 595,966, Mar. 13. Class 28.
Kor Corporation, Gary, Ind. Comminuted material for disintegrating soot, carbon, etc. Serial No. 572,753, Mar. 13. Class 52.
Lactona Incorporated, St. Paul, Minn. Toothbrushes. Serial No. 584,409, Mar. 13. Class 29.
La Gaine Scandale, Lyon (Rhone), France. Perfumes. Serial No. 579,687, Mar. 13. Class 51.
La Maur Products, Inc., Minneapolis, Minn. Cold wave cream. Serial No. 580,488, Mar. 13. Class 51.
Laskin, Maurie, doing business as Bestwest Produce Co., Chicago, Ill. Ready-to-eat boneless roasted turkey. Serial No. 598,802, Mar. 13. Class 46.
Leichter, Emil, New York, N. Y. Watches. Serial Nos. 574,517–18, Mar. 13. Class 27.
Lentini, Frank, Doing business as Frank Lentini Oil Co., Brooklyn, N. Y. Mixture of peanut oil and olive oil. Serial No. 569,628, Mar. 13. Class 46.
Lentini, Frank, Oil Co.: *See*—
Lentini, Frank.
Lewy Chemical Company, The, New York, N. Y. Insecticides. Serial No. 594,181, Mar. 13. Class 6.
Link Manufacturing Company, Inc., Fargo, N. Dak. Tractor propelled soil working implement. Serial No. 548,269, Mar. 13. Class 23.
Little Otto Company: *See*—
Enge, Evelyn E.
Log Cabin Bread Co.: *See*—
Interstate Bakeries Corporation.
Lowe, Joe, Corporation, New York, N. Y. Compasses, telescopes and cameras. Serial No. 580,074, Mar. 13. Class 26.
Manley, Inc., Kansas City, Mo. Raw and popped popcorn. Serial No. 570,508, Mar. 13. Class 46.
Manning, Maxwell & Moore, Incorporated, New York, N. Y. Throttling and protecting attachment for guarding the pressure sensitive elements of gauges. Serial No. 583,401, Mar. 13. Class 26.
Maremont Automotive Products, Inc., Chicago, Ill. Vehicle springs and parts thereof. Serial No. 558,229, Mar. 13. Class 19.
Mars, Incorporated, Chicago, Ill. Ice cream. Serial No. 595,267, Mar. 13. Class 46.
May Department Stores Company, The, New York, N. Y., and St. Louis, Mo. Silverplated hollowware. Serial No. 581,817, Mar. 13. Class 28.
McGrade, E. W., Manufacturing Co., Inc., Marysville, Kans. Radio receiving sets. Serial No. 602,046, Mar. 13. Class 21.
McGraw Electric Company, Milwaukee, Wis. Dielectric or electrically insulating oil. Serial No. 601,682, Mar. 13. Class 21.
McGraw Electric Company, Milwaukee, Wis. Dielectric or electrically insulating oil. Serial No. 602,270, Mar. 13. Class 21.
Metallizing Engineering Co. Inc., Long Island City, N. Y. Metal spray guns, parts of metal spray guns and equipment, etc. Serial No. 542,612, Mar. 13. Class 23.
Milani, Louis, Foods, Inc., Maywood, Calif. Pudding desserts, gelatin desserts, dressings, etc. Serial No. 586,101, Mar. 13. Class 46.
Miller, Alvin, New York, N. Y. Perfumes and colognes. Serial No. 599,334, Mar. 13. Class 51.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Color pigments. Serial No. 577,677, Mar. 13. Class 6.
Minute Maid Corporation, New York, N. Y. Frozen concentrated juices. Serial Nos. 595,844–6, Mar. 13. Class 46.
Mitchell, P. R., Company, The, assignor to M. J. Shaw, Cincinnati, Ohio. Buoyant safety swim vests, life preservers and buoyant boat cushions. Serial No. 592,154, Mar. 13. Class 22.
Moe Light, Inc., Fort Atkinson, Wis. Electric lighting fixtures. Serial No. 601,156, Mar. 13. Class 21.
Monefeldt, Jens, Park Ridge Ill. Entertainment services. Serial No. 547,646, Mar. 13. Class 107.
Monsanto Chemical Company, St. Louis, Mo. Adhesive cements. Serial No. 554,908, Mar. 13. Class 5.
Mooney, Charles, doing business under the name and style of Alamo Plaza Hotel Courts, Beaumont, Tex. Lodgings in tourist courts. Serial No. 588,700, Mar. 13. Class 100.
Mooresville Mills, Inc., Mooresville, N. C. All rayon piece goods. Serial No. 585,899, Mar. 13. Class 42.
Morton Manufacturing Corp., doing business as Blair of Virginia, Lynchburg, Va. Vanishing cream, cleansing cream, cold cream, etc. Serial No. 588,650, Mar. 13. Class 51.
Municipal Street Sign Co, Inc., Brooklyn, N. Y. Non-electrical street names, etc. Serial No. 597,045, Mar. 13. Class 50.
Mutual Spice Co.: *See*—
Kaltman, Samuel.
National Automotive Fibres, Inc., Detroit, Mich., and Trenton, N. J. Sponge rubber carpet underlay. Serial No. 598,558, Mar. 13. Class 50.
National Electrical Contractors Association, Washington, D. C. National electrical contractors periodical. Serial No. 574,916, Mar. 13. Class 38.
National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.
National Pumps, Inc., Cincinnati, Ohio. Gasoline measuring and dispensing pumps. Serial No. 588,179, Mar. 13. Class 26.
National Silver Company, New York, N. Y. Stainless steel table cutlery. Serial No. 586,699, Mar. 13. Class 23.
National Silver Company, New York, N. Y. Sterling silver flatware. Serial No. 599,523, Mar. 13. Class 28.
Niagara Alkali Company, Niagara Falls, N. Y. Caustic soda, caustic potash, carbonate of potash, etc. Serial No. 597,008, Mar. 13. Class 6.
Noble Chemical Corporation, Chicago, Ill., assignor to Du Bois Company, Cincinnati, Ohio. Electrical liquid concentration control apparatus. Serial No. 579,050, Mar. 13. Class 26.
Norris, Inc., Atlanta, Ga. Candy. Serial No. 594,141, Mar. 13. Class 46.
Northwestern Elevator & Mill Co., The, Mount Vernon and Toledo, Ohio. Wheat flour. Serial Nos. 588,447–8, Mar. 13. Class 46.
Nu-Art Engraving Co., Chicago, Ill. Christmas cards. Serial No. 596,796, Mar. 13. Class 38.
Nuodex Products Co., Inc., Elizabeth, N. J. Economic poisons wood preservative. Serial No. 597,160, Mar. 13. Class 6.
Nutro Corporation, The, Englewood, N. J. Anti-freeze solution. Serial No. 579,828, Mar. 13. Class 6.
Odell, A. D., doing business as A. D. Odell Oil Company, Abilene, Tex. Lubricating oils and greases. Serial No. 597,453, Mar. 13. Class 15.
Odell, A. D., Oil Company: *See*—
Odell, A. D.
Ogush, William B., Inc., New York, N. Y. Watches, watch cases and watch movements. Serial No. 583,611, Mar. 13. Class 27.
Ohio Typewriter Service: *See*—
Burwinkel, Frank T.
Oliver United Filters Incorporated, Oakland, Calif. Industrial filters. Serial No. 563,818, Mar. 13. Class 31.

Olson, Leroy, Company, San Francisco, Calif. Composition of magnesium oxychloride cement terrazzo. Serial No. 580,422, Mar. 13. Class 12.
Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver flat tableware. Serial No. 494,109, Mar. 13. Class 28.
Oneida Ltd., Oneida and Sherrill, N. Y. Silverplated flat and hollow tableware. Serial No. 569,769, Mar. 13. Class 28.
On Your Dial Adv. Service, Seattle, Wash. Radio program guide. Serial No. 584,690, Mar. 13. Class 38.
Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Lubricating oils and greases. Serial Nos. 585,297–9, Mar. 13. Class 15.
Pacific Coast Borax Company, Los Angeles, Calif., assignor to Borax Consolidated, Limited, London, England. Weed control preparation. Serial No. 581,[illegible], Mar. 13. Class 6.
Parker Brothers, Inc., Salem, Mass. Board game. Serial No. 588,193, Mar. 13. Class 22.
Patch, E. L., Company, The, Stoneham, Mass. Estrogenic compound tablet. Serial No. 576,823, Mar. 13. Class 18.
Paul, J. C., & Co., Chicago, Ill. Metal polish. Serial No. 592,835, Mar. 13. Class 4.
Pearson Pharmacal Company, Inc., New York, N. Y. Anti-perspirant, cosmetic cream, lotion and dentifrice. Serial No. 601,276, Mar. 13. Class 51.
Pennsylvania Petroleum Products Co., Philadelphia, Pa. Motor lubricating oils and motor fuel oils. Serial No. 599,112, Mar. 13. Class 15.
Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 585,182, Mar. 13. Class 42.
Perlite Incorporated, Salt Lake City, Utah. Expanded perlite. Serial No. 579,207, Mar. 13. Class 12.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 598,385, Mar. 13. Class 39.
Peterson Enterprises Inc., New York, N. Y. Portable metal vessel. Serial No. 565,365, Mar. 13. Class 2.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Coated antibiotic preparation. Serial No. 593,932, Mar. 13. Class 18.
Phillips, Walter L., doing business as PT-X5 Compound Co., Columbus, Nebr. Chemical compound. Serial No. 590,698, Mar. 13. Class 6.
Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 597,039, Mar. 13. Class 46.
Pioneer Rubber Company, The, Willard, Ohio. Children's gloves. Serial No. 598,543, Mar. 13. Class 39.
Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Coal. Serial No. 587,285, Mar. 13. Class 1.
Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Coal. Serial No. 589,867, Mar. 13. Class 1.
Plant Protection Limited, Yalding, England. Seed dressings. Serial No. 590,323, Mar. 13. Class 6.
Plas-Tex Corporation, The, Los Angeles, Calif. Sink strainers, colander funnels, egg separators, etc. Serial No. 573,458, Mar. 13. Class 13.
Plasticast Models Company, Pittsburgh, Pa. Ear molds. Serial No. 567,598, Mar. 13. Class 44.
Plasticast Models Company, Pittsburgh, Pa. Ear piece for hearing aid. Serial No. 596,237, Mar. 13. Class 44.
Powell, John, & Co., Inc., New York, N. Y. Insecticide concentrates. Serial No. 597,459, Mar. 13. Class 6.
Processed Trout Foods, Inc., St. Ignatius, Mont. Fish food. Serial No. 583,774, Mar. 13. Class 46.
Protex Products Company: *See*—
Protex Products Company, Inc.
Protex Products Company, Inc., Jersey City, N. J., assignee of Protex Products Company. Garment bags. Serial No. 558,502, Mar. 13. Class 2.
PT-X5 Compound Co.: *See*—
Phillips, Walter L.
Quaker Chemical Products Corporation, Conshohocken, Pa. Quaternary ammonium compounds. Serial No. 582,543, Mar. 13. Class 6.
Rabco, Inc., Memphis, Tenn. Vanilla emulsion and lemon emulsion, etc. Serial No. 544,609, Mar. 13. Class 46.
Radio Corporation of America, New York, N. Y. Woven carpets. Serial No. 595,681, Mar. 13. Class 42.
Range Buster Sportswear Company, New York, N. Y. Children's and ladies' dungarees. Serial No. 596,048, Mar. 13. Class 39.
Ravarino & Freschi, Inc., St. Louis, Mo. Alimentary paste. Serial No. 594,992, Mar. 13. Class 46.
Raytheon Manufacturing Company, Newton, Mass. Diathermy units. Serial No. 574,460, Mar. 13. Class 44.
Reitenbach, Richard K., Franklin, Pa. Mops, dusting cloths. Serial No. 596,360, Mar. 13. Class 29.
Réja Inc., New York, N. Y. Costume jewelry. Serial Nos. 588,595–6, Mar. 13. Class 28.
Relae Equipment Company, Dayton, Ohio. Merchandise supporting pallets. Serial No. 580,746, Mar. 13. Class 50.
Reyco Incorporated, Minneapolis, Minn. Variable speed transmissions. Serial No. 589,392, Mar. 13. Class 23.
Revell, Fleming H., Company, New York, N. Y. Annual publication. Serial No. 575,871, Mar. 13. Class 38.
Rheem Manufacturing Company, San Francisco, Calif. Tanks. Serial No. 567,649, Mar. 13. Class 2.
Robbins, Herman, doing business as Robbins Roost, Schroon Lake, N. Y. Dressed poultry. Serial No. 576,422, Mar. 13. Class 46.
Robbins Roost: *See*—
Robbins, Herman.
Robertson, H. H., Company, Pittsburgh, Pa. Asphalts and compositions embodying asphalts and like bituminous material. Serial No. 548,999, Mar. 13. Class 1.
Rotary Hoes Limited, East Horndon, England. Ploughs, cultivators, diggers, etc. Serial No. 589,991, Mar. 13. Class 23.
Rowe, James R., A. and F. J. De Vivo, Camden, N. J. Periodic publication. Serial No. 589,115, Mar. 13. Class 38.
Royal Barry-Carter Mills, Inc., Nashville, Tenn. Corn meal. Serial No. 593,616, Mar. 13. Class 46.
Royal Mining Co., Inc., Riddlesburg, Pa. Coal. Serial No. 596,689, Mar. 13. Class 1.
Royal Venetian Blind Mfg. Co., St. Louis, Mo. Venetian blinds. Serial No. 597,844, Mar. 13. Class 32.
S K F Industries, Inc., Philadelphia, Pa. Balls used in valves. Serial No. 578,632, Mar. 13. Class 13.
St. Louis Janitor Supply Co., St. Louis, Mo. Liquid detergents. Serial No. 578,050, Mar. 13. Class 52.
Sanlorn Company, Cambridge, Mass. Paste for application to the skin. Serial No. 578,415, Mar. 13. Class 18.
Schaible Company, The, Cincinnati, Ohio. Gate valves. Serial No. 598,324, Mar. 13. Class 13.
Schalk, Charles L., Ketchum, Idaho. Pickled trout. Serial No. 590,563, Mar. 13. Class 46.
Schenley Laboratories, Inc., New York, N. Y. Tablets used as a vascular protective, etc. Serial No. 580,620, Mar. 13. Class 18.
Schmolze, J. S., Company: *See*—
Schmolze, John S.
Schmolze, John S., doing business under the name of J. S. Schmolze Company, Ridgewood, N. J. Netted laundry bags. Serial No. 595,333, Mar. 13. Class 2.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Unmedicated corn plasters and pads. Serial No. 574,385, Mar. 13. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Non-medicated adhesive tape and adhesive bandages. Serial Nos. 574,544–5, Mar. 13. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Non-medicated adhesive tape and adhesive bandages. Serial No. 583,776, Mar. 13. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Carbon paper and typewriter ribbons. Serial No. 581,361, Mar. 13. Class 11.
Selma Packing Company: *See*—
Fewel Bros. Packing Company.
Serruys, Jean, Paris, France. Side wall panels. Serial No. 583,219, Mar. 13. Class 12.
Sexton, John, & Co., Chicago, Ill. Household and institutional bleaches, insecticides, disinfectants, etc. Serial No. 578,709, Mar. 13. Class 6.
Sexton, John, & Co., Chicago, Ill. Paper goods. Serial No. 578,712, Mar. 13. Class 37.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antispasmodic-antiallurgenic preparation. Serial No. 577,912, Mar. 13. Class 18.
Shaw, Melville J., assignee: *See*—
Mitchell, P. R., Company, The.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Plumbers' brass goods. Serial No. 507,347, Mar. 13. Class 13.
Shoreland Furniture Co., Chicago, Ill. Juvenile furniture. Serial No. 586,256, Mar. 13. Class 32.
Sick's Seattle Brewing & Malting Co., Seattle, Wash. Beer. Serial No. 572,335, Mar. 13. Class 48.
Sierra Club, San Francisco, Calif. Publications. Serial Nos. 598,610–11, Mar. 13. Class 38.
Silber, Samuel, doing business as Burnex Products Co., Newark, N. J. Brushless shaving cream, talcum powder, rouge, etc. Serial No. 572,695, Mar. 13. Class 51.
Slater and Lloyd, San Francisco, Calif. Cleaning preparation. Serial No. 579,763, Mar. 13. Class 52.
Smith, F. H., Manufacturing Company, Chicago, Ill. Decorative candle holder. Serial No. 580,329, Mar. 13. Class 50.
Smoler, Boris, & Sons, Inc., Chicago, Ill. Women's housecoats. Serial No. 570,726, Mar. 13. Class 39.
Societe Anonyme Orfevrerie Christofle, Paris, France. Gold and sterling silver flatware and hollow ware. Serial No. 581,740, Mar. 13. Class 28.
Speedway Petroleum Corporation, Detroit, Mich. Self-measuring gasoline pumps. Serial No. 600,401, Mar. 13. Class 26.
Standard Churn Company, The, Wapakoneta, Ohio. Ice cream freezers. Serial No. 592,232, Mar. 13. Class 31.
Standard Electric Manufacturing Co.: *See*—
Cohen, Harry A.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petroleum and products of petroleum: etc. Serial No. 587,363, Mar. 13. Class 15.
Standard Products Corporation, Whitman, Mass. Portable electric hair dryers. Serial No. 591,524, Mar. 13. Class 44.
Standard Products Corporation, Whitman, Mass. Electric vibrators for therapeutic use. Serial No. 594,291 Mar. 13. Class 44.

Standard Seed Company, Des Moines, Iowa. Seed. Serial No. 596,244, Mar. 13. Class 1.
Stauffer Chemical Company, San Francisco, Calif. Insecticide. Serial No. 580,439, Mar. 13. Class 6.
Steel Products Manufacturing Company, St. Louis, Mo., now by change of name Swing-A-Way Manufacturing Company. Can openers. Serial No. 539,767, Mar. 13. Class 23.
Sterling Pulp & Paper Company, Eau Claire, Wis. Toilet paper, waxed paper, household rolls, etc. Serial No. 573,988, Mar. 13. Class 37.
Storz Brewing Company, Omaha, Nebr. Beer. Serial No. 594,082, Mar. 13. Class 48.
Strathmore Packing House Co., Strathmore, Calif. Fresh citrus fruits. Serial No. 572,700, Mar. 13. Class 46.
Stribling's Nurseries: *See*—
Stribling, Thomas B., Jr.
Stribling, Thomas B., Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Nursery stock. Serial No. 598,333, Mar. 13. Class 1.
Suburban Essex, Inc., South Orange, N. J. Magazine. Serial No. 598,507, Mar. 13. Class 38.
Sugar Beet Products Company, Inc., Saginaw W. S., Mich. Skin cleaning composition. Serial No. 588,910, Mar. 13. Class 52.
Swing-A-Way Manufacturing Company: *See*—
Steel Products Manufacturing Company.
Synchro-Start Products, Inc., Chicago, Ill. Electrical system. Serial No. 586,945, Mar. 13. Class 21.
Tellus Corporation of America, New York, N. Y. Watches. Serial No. 568,873, Mar. 13. Class 27.
Thayer American Rug Cleaning Co., The, Cincinnati, Ohio. Cleaning, repairing, altering, dyeing, etc., of rugs, carpets, etc. Serial No. 542,901, Mar. 13. Class 103.
Thompson-Hayward Chemical Company, Kansas City, Mo. Insecticide. Serial No. 597,304, Mar. 13. Class 6.
Thonet Brothers, Inc., assignor to Thonet Industries Inc., New York, N. Y. Furniture. Serial No. 568,408, Mar. 13. Class 32.
Thonet Industries Inc., assignee: *See*—
Thonet Brothers, Inc.
Toni Company, The, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Neutralizer powder. Serial No. 590,194, Mar. 13. Class 51.
Transit Grain Co., doing business as Feed Products, Fort Worth, Tex. Feed supplement. Serial No. 581,804, Mar. 13. Class 18.
Treptow, M. R., Plainfield, N. J. Silver polish. Serial No. 591,385, Mar. 13. Class 4.
Troop Water Heater Company, Pittsburgh, Pa. Water purifying and softening apparatus. Serial No. 572,624, Mar. 13. Class 31.
UCO Food Corporation, Newark, N. J. Germicide disinfectant bleach. Serial No. 582,329, Mar. 13. Class 6.
United Merchants and Manufacturers, Inc., Wilmington, Del., and New York, N. Y. Piece goods. Serial No. 588,359, Mar. 13. Class 42.
United States News Publishing Corporation, Washington, D. C. Pictorial features. Serial No. 564,540, Mar. 13. Class 38.
United States Rubber Company, New York, N. Y. Synthetic resinous plastic solutions. Serial No. 562,421, Mar. 13. Class 6.
Universal Oil Products Company, Chicago, Ill. Organic compounds. Serial No. 573,817, Mar. 13. Class 6.
Universal Vellcot Co., Leominster, Mass. Molded plastic tableware. Serial No. 574,601, Mar. 13. Class 2.
Vickers, Incorporated, Detroit, Mich. Pressure switches. Serial No. 598,875, Mar. 13. Class 21.
Viudas, Manuel S., Barcelona, Spain. Perfumes, lipsticks, rouge, etc. Serial No. 582,795, Mar. 13. Class 51.
Wagner, Charles W., doing business as Wagner's Quality Craft Products, Tawas, Mich. Foldable picnic tables. Serial No. 574,986, Mar. 13. Class 32.
Wagner's Quality Craft Products: *See*—
Wagner, Charles W.
Warren Co. Inc., The, Atlanta, Ga. Commercial refrigerators. Serial No. 599,853, Mar. 13. Class 31.
Washington Manufacturing Company, Nashville, Tenn. Children's wear. Serial No. 596,818, Mar. 13. Class 39.
Watson Manufacturing Company, Inc., Jamestown, N. Y. Open-top racks or cases. Serial No. 563,508, Mar. 13. Class 32.
Watson Manufacturing Company, Inc., Jamestown, N. Y. Elongated, open-top file racks or cases and open-top racks, etc. Serial No. 598,135, Mar. 13. Class 32.
Watson Manufacturing Company, Inc., Jamestown, N. Y. Open-top racks or cases. Serial No. 598,136, Mar. 13. Class 32.
Watson Manufacturing Company, Inc., Jamestown, N. Y. Elongated, open-top file racks or cases. Serial No. 598,137, Mar. 13. Class 32.
Weber Costello Co., Chicago Heights, Ill. Art materials. Serial No. 571,881, Mar. 13. Class 50.
Wedj Company, Brooklyn, N. Y. Cementitious denture holding powder. Serial No. 599,402, Mar. 13. Class 51.
Welch, James O., Company, Cambridge, Mass. Candy suckers. Serial No. 565,391, Mar. 13. Class 46.
Wells Manufacturing Corporation, Three Rivers, Mich. Sawing machines and parts thereof. Serial No. 565,392, Mar. 13. Class 23.
Welsh Manufacturing Company, Providence, R. I. Fountain pens, ball point pens, and mechanical pencils. Serial No. 595,638, Mar. 13. Class 37.
Wenzel, H., Tent & Duck Co., St. Louis, Mo. Tarpaulins. Serial No. 519,786, Mar. 13. Class 50.
West Coast Pickle Co., Los Angeles, Calif. Pickles and chili peppers. Serial No. 599,855, Mar. 13. Class 46.
Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. Serial No. 561,162, Mar. 13. Class 104.
Whittaker, Clark & Daniels, Inc., New York, N. Y. Natural minerals. Serial No. 557,484, Mar. 13. Class 1.
Wiebolt Stores, Inc., Chicago, Ill. Fur storage service. Serial No. 590,871, Mar. 13. Class 105.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric range units. Serial No. 600,097, Mar. 13. Class 21.
Wilkin, A. S., Limited, Newcastle-on-Tyne, England. Candies. Serial No. 598,553, Mar. 13. Class 46.
Wolfenden, J. W., Corp., Attleboro, Mass., Sterling silver flatware and hollow ware. Serial No. 583,130, Mar. 13. Class 28.
Woodstock Typewriter Company, Chicago, and Woodstock, Ill. Typewriters. Serial No. 583,460, Mar. 13. Class 23.
Wright & McGill Co., Denver, Colo. Fishing lines and fishing leaders. Serial No. 596,892, Mar. 13. Class 22.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Laundry sour. Serial No. 587,417, Mar. 13. Class 6.
Yorkville Paper Co., Inc., New York, N. Y. Synthetic plastic sheet material. Serial No. 579,247, Mar. 13. Class 1.
ZEZ Adhesives Company: *See*—
Backus, Cecil F.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Antihistamine preparation. 539,327, Mar. 13; Serial No. 586,228, published Dec. 19, 1950. Class 18.
Abbott Laboratories, North Chicago, Ill. Anticonvulsant agent. 539,406, Mar. 13; Serial No. 593,642, published Dec. 19, 1950. Class 18.
Abramowitz, Nathan, Brooklyn, N. Y. Food for tropical fish. 539,382, Mar. 13; Serial No. 590,727, published Nov. 28, 1950. Class 46.
Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 278,344, renewed Dec. 16, 1950. O. G. Mar. 13. Class 23.
Adpix: *See*—
Payson, George M.
Aircraft-Marine Products Inc., Harrisburg, Pa. Machines for applying electrical terminals. 539,253, Mar. 13; Serial No. 573,108, published Nov. 21, 1950. Class 23.
Air-Maze Corporation, Cleveland, Ohio. Electrostatic filters. 539,234, Mar. 13; Serial No. 566,488, published Dec. 12, 1950. Class 21.
Albertson & Company, Inc., Sioux City, Iowa. Power tools. 539,261, Mar. 13; Serial No. 574,180, published Aug. 29, 1950. Class 21.
Ald, Inc., Chicago, Ill. Laundry driers. 539,267, Mar. 13; Serial No. 576,245, published Nov. 14, 1950. Class 24.
Allison's, Mrs., Cookie Co., Inc., St. Louis, Mo. Cookies. 539,232, Mar. 13; Serial No. 566,113, published Oct. 24, 1950. Class 46.
Allen, James L., doing business under the firm name and style of Chicago Sash Holder Co., La Mesa, Calif. Sash holders. 539,482, Mar. 13; Serial No. 598,974. Class 13.
All-Steel Equipment Inc., Aurora, Ill. Hardware. 539,222, Mar. 13; Serial No. 564,310, published Dec. 19, 1950. Class 13.
All-Steel Equipment Inc., Aurora, Ill. Hardware. 539,223, Mar. 13; Serial No. 564,313, published Dec. 19, 1950. Class 13.
All-Steel Equipment Inc., Aurora, Ill. Hardware. 539,224, Mar. 13; Serial No. 564,315, published Dec. 19, 1950. Class 13.
Alrose Chemical Company, Cranston and Providence, R. I. Treating woolen or worsted yarn. 539,437, Mar. 13; Serial No. 532,261, published Dec. 26, 1950. Class 106.
Ambroid Co.: *See*—
West Manufacturing Company.
American Health Air Systems, Incorporated, New Haven, Conn. Air sanitizing apparatus. 539,402, Mar. 13; Serial No. 593,045, published Dec. 5, 1950. Class 21.
American Stores Company, Philadelphia, Pa. Coconut, corn meal, cracker meal, etc. 539,358, Mar. 13; Serial No. 588,619, published Oct. 24, 1950. Class 46.

Anderson, C. W., doing business as C. W. Anderson Hosiery Co., Clinton, S. C. Ladies' hosiery. 539,213, Mar. 13; Serial No. 559,267, published Dec. 5, 1950. Class 39.

Anderson, C. W., Hosiery Co.: *See*—
Anderson, C. W.

Andre, Incorporated, to I. Miller & Sons, Inc., Long Island City, N. Y. Shoes. 277,674, renewed Nov. 25, 1950. O. G. Mar. 13. Class 39.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Clothes washing machines and parts thereof, and ironing machines and parts thereof. 539,178, Mar. 13; Serial No. 545,934, published Nov. 14, 1950. Class 24.

Apkarian, T., & Sons, Reedley, Calif. Fresh deciduous fruits, fresh grapes and fresh vegetables. 539,383, Mar. 13; Serial No. 590,791, published Nov. 28, 1950. Class 46.

Arco Electronics, Inc., New York, N. Y. Radio and television receivers and fixed and variable capacitors for radio and television receivers. 539,433, Mar. 13; Serial No. 597,055, published Dec. 19, 1950. Class 21.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Skin cream. 539,292, Mar. 13; Serial No. 580,917, published Dec. 19, 1950. Class 51.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, nail polish, and rouge. 539,471, Mar. 13; Serial No. 582,533. Class 51.

Armour and Company, Chicago, Ill. Butter. 539,158, Mar. 13; Serial No. 533,834, published Nov. 28, 1950. Class 46.

Armour and Company, Chicago, Ill. Bacon. 539,166, Mar. 13; Serial No. 540,144, published Dec. 5, 1950. Class 46.

Armour and Company, doing business under the trade style The Armour Laboratories, Chicago, Ill. Adenosine triphosphate. 539,393, Mar. 13; Serial No. 591,605, published Dec. 19, 1950. Class 18.

Armour Laboratories, The: *See*—
Armour and Company.

Atkins & Durbrow, Inc., New York, N. Y. Product comprising dehydrated animal manure and peat moss. 278,756, Dec. 30, 1930. Republished Mar. 13. Class 10.

Atlantic Coast Fisheries Company, The, Boston, Mass. Fresh fish, frozen fish, canned fish, etc. 539,346, Mar. 13; Serial No. 588,155, published Oct. 24, 1950. Class 46.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. 281,716, Mar. 24, 1931. Republished Mar. 13. Class 15.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. 282,406, Apr. 21, 1931. Republished Mar. 13. Class 15.

Attorney General of the United States: *See*—
Mülhens, Paul P.

Automatic Washer Company, Newton, Iowa. Clothes washing machines, ironers, and mechanical clothes driers. 539,461, Mar. 13; Serial No. 588,774. Class 24.

Bader, William E., doing business as Chief Mfg. Co., Omaha, Nebr. Hand-operated glue dispensing machines. 539,287, Mar. 13; Serial No. 579,369, published Nov. 7, 1950. Class 23.

Bankers Trust Company, New York, N. Y. Banking and trust services. 539,449, Mar. 13; Serial No. 591,712, published Dec. 26, 1950. Class 102.

Beaton, J. R., Co., Inc., New York, N. Y., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Fabric gloves. 444,437, Mar. 13; Serial No. 523,511, published Dec. 5, 1950. Class 39.

Beauty Products, Ltd., Denver, Colo. Deodorant to be applied to the skin. 539,167, Mar. 13; Serial No 540,156, published Dec. 19, 1950. Class 51.

Beaver Brand Frozen Foods, Inc., New York, N. Y. Frozen foods. 539,349, Mar. 13; Serial No. 588,198, published Oct. 24, 1950. Class 46.

Bedford Surgical Co., Inc., Brooklyn, N. Y. Electromedical apparatus. 377,911, May 21, 1940. Canceled Jan. 26, 1951. O. G. Mar. 13. Class 44.

Belber Trunk and Bag Company: *See*—
Belber Trunk & Bag Company, The.

Belber Trunk & Bag Company, The, to Belber Trunk and Bag Company, Philadelphia, Pa. Wardrobe trunks, hat and shoe trunks, steamer trunks, etc. 283,023, renewed May 12, 1951. O. G. Mar. 13. Class 3.

Belknap Hardware and Manufacturing Company, Louisville, Ky. Electric storage batteries and flashlights. 539,392, Mar. 13; Serial No. 591,549, published Dec. 5, 1950. Class 21.

Belson Company, Inc., Worcester, Mass. Surfacing and resurfacing exterior and interior surfaces of buildings and dwellings. 539,445, Mar. 13; Serial No. 585,494, published Dec. 26, 1950. Class 103.

Berkshire Knitting Mills, assignee: *See*—
Beaton, J. R., Co., Inc.

Bernside Mills: *See*—
Bernstein, Charles, & Son.

Bernstein, Charles, & Son, doing business as Bernside Mills, New York, N. Y. Piece goods. 539,370, Mar. 13; Serial No. 589,418, published Dec. 5, 1950. Class 42.

Bliss Display Corp., New York, N. Y. Designing and formulating retail store advertising, decorations, and displays. 539,443, Mar. 13; Serial No. 578,315, published Dec. 26, 1950. Class 101.

Bluewater Fisheries Limited, Saint John, New Brunswick, Canada. Canned fish and lobster. 539,145, Mar. 13; Serial No. 506,499, published Nov. 7, 1950. Class 46.

Bohack, H. C., Co. Inc., Brooklyn, N. Y. Canned food products. 539,343, Mar. 13; Serial No. 587,847, published Nov. 21, 1950. Class 46.

Bond Electric Corporation, Jersey City, N. J., to Olin Industries, Inc., New Haven, Conn. Flash lights. 283,098, renewed May 19, 1951. O. G. Mar. 13. Class 21.

Bond Vacuum Stores, Inc., Washington, D. C. Electric vacuum cleaners. 539,250, Mar. 13; Serial No. 572,828, published Dec. 12, 1950. Class 21.

Bowen Products Corporation, Ecorse, Mich. Unified lubricating system. 539,159, Mar. 13; Serial No. 534,596, published Nov. 21, 1950. Class 23.

Brach, E. J., & Sons, Chicago, Ill. Candy. 539,183, Mar. 13; Serial No. 547,891, published Oct. 31, 1950. Class 46.

Breeze Corporations, Inc., Newark, N. J. Electrical connectors and component parts thereof. 539,463, Mar. 13; Serial No. 568,150. Class 21.

Briddell, Chas. D., Inc., Crisfield, Md. Machetes. 539,288, Mar. 13; Serial No. 579,529, published Nov. 14, 1950. Class 23.

Bursley & Company, Inc., Fort Wayne, Ind. Canned fruit juices, canned bean sprouts, canned vegetable chop suey, etc. 539,318, Mar. 13; Serial No. 584,798, published Nov. 21, 1950. Class 46.

California Sanitary Canning Co., Ltd., also doing business as California Sanitary Company, Ltd., Los Angeles, by Masterpiece Foods, Inc., Santa Maria, Calif. Canned fruits, canned vegetables, canned pork and peas, etc. 384,861, Feb. 4, 1941. Republished Mar. 13. Class 46.

California Sanitary Company, Ltd.: *See*—
California Sanitary Canning Co., Ltd.

Cam Manufacturing Co.: *See*—
Meussdorffer, Conrad P.

Cambridge Rubber Company, The: *See*—
Huth & James Shoe Co.

Carter, A. B., Incorporated, doing business as Mill Devices Co., Gastonia, N. C. Hand operated weavers' knotters. 539,377, Mar. 13; Serial No. 590,139, published Dec. 19, 1950. Class 23.

Cash, J. & J., Inc., South Norwalk, Conn. Adhesive liquid cement. 281,788, renewed Mar. 31, 1951. O. G. Mar. 13. Class 5.

Celanese Corporation of America, New York, N. Y. Fabrics. 283,163, renewed May 19, 1951. O. G. Mar. 13. Class 42.

Cellowax Co., The: *See*—
Cellowax Company, The.

Cellowax Company, The, also trading under the name of The Cellowax Co., Baltimore, Md. Dry cleaning composition. 539,373, Mar. 13; Serial No. 589,560, published Dec. 26, 1950. Class 52.

Central Ohio Steel Products Company, doing business as The Gallon All-Steel Body Company, Gallon, Ohio. Hydraulically operated dump bodies and hoists. 539,154, Mar. 13; Serial No. 526,880, published Nov. 14, 1950. Class 23.

Chapell, M. S., West Orange, N. J. Hair tonic. 539,255, Mar. 13; Serial No. 573,357, published Dec. 19, 1950. Class 51.

Charmette Fabrics Company, Inc., assignor to Chopak Textile Company, Inc., New York, N. Y. Fabrics in the piece. 539,460, Mar. 13; Serial No. 558,697. Class 42.

Cheerwine Bottling Company: *See*—
Peeler, C. A.

Cherokee Electric Company, Fountain City, Tenn. Electrical services. 539,441, Mar. 13; Serial No. 576,792, published Dec. 26, 1950. Class 103.

Chicago Daily News Company, The, by The Chicago Daily News, Inc., Chicago, Ill. Daily newspapers. 129,648, Mar. 9, 1920. Republished Mar. 13. Class 38.

Chicago Daily News, Inc., The: *See*—
Chicago Daily News Company, The.

Chicago Daily News, Inc., The, Chicago, Ill. Section of a periodical publication. 374,442, Jan. 9, 1940. Republished Mar. 13. Class 38.

Chicago Daily News, Inc., The, Chicago, Ill. Section of a periodical publication. 376,462, Mar. 26, 1940. Republished Mar. 13. Class 38.

Chicago Printed String Co., Inc., Chicago, Ill. Wrapping string or tape. 224,032, Feb. 15, 1927. Corrected. O. G. Mar. 13. Class 7.

Chicago Printed String Company, Chicago, Ill. Decorative wrapping paper, and enclosure cards. 419,924, Mar. 12, 1946. Corrected. O. G. Mar. 13. Class 37.

Chicago Printed String Company, Chicago, Ill. Printed gift seals and printed enclosure cards. 423,783, Sept. 10, 1946. Corrected. O. G. Mar. 13. Class 38.

Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. 428,735, Apr. 1, 1947. Corrected. O. G. Mar. 13. Class 7.

Chicago Printed String Company, Chicago, Ill. Tape and ribbon. 430,098, June 10, 1947. Corrected. O. G. Mar. 13. Class 7.

Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. 430,415, June 10, 1947. Corrected. O. G. Mar. 13. Class 7.

Chicago Printed String Company, Chicago, Ill. Cotton ribbon. 431,726, Aug. 5, 1947. Corrected. O. G. Mar. 13. Class 42.

Chicago Printed String Company, Chicago, Ill. Ribbon-like material. 518,903, Dec. 20, 1949. Corrected. O. G. Mar. 13. Class 7.

Chicago Pump Company, Chicago, Ill. Return line vacuum condensation pump. 539,207, Mar. 13; Serial No. 557,898, published Nov. 21, 1950. Class 23.

Chicago Sash Holder Co.: *See*—
Allen, James L.

Chief Mfg. Co.: *See*—
Bader, William E.

Chini, Nicky, Milan, Italy. Perfumes. 539,151, Mar. 13; Serial No. 519,924, published Dec. 26, 1950. Class 51.

Chopak Textile Company, Inc., assignee: *See*—
Charmette Fabrics Company, Inc.

Circul-Air Corporation, The, Detroit, Mich. Cabinet type fire hose dryer. 539,219, Mar. 13; Serial No. 562,985, published Dec. 5, 1950. Class 21.

Cleo Razor Blade Co.: *See*—
Lesley, Jerry P.

Clifford and Gore, Inc., West Chester, Pa. Vegetable juice. 539,268, Mar. 13; Serial No. 576,312, published Nov. 14, 1950. Class 46.

Coffman, R. G., Co. Inc., The, Orlando, Fla. Step railings. 539,468, Mar. 13; Serial No. 579,398. Class 12.

Cohen, Goldman & Co. Inc., New York, N. Y., to House-of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's, boys', and children's outer garments, etc. 283,320, renewed May 26, 1951. O. G. Mar. 13. Class 39.

Cohen, Nathan, Upholstery & Drapery Fabrics, Inc., New York, N. Y. Upholstery and drapery fabrics. 539,289, Mar. 13; Serial No. 580,122, published Dec. 5, 1950. Class 42.

Colonial Knife Company, Inc., Providence, R. I. Pocket knives. 539,205, Mar. 13; Serial No. 556,417, published Nov. 14, 1950. Class 23.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Pyroxylin-coated fabrics. 282,480, renewed Apr. 21, 1951. O. G. Mar. 13. Class 42.

Commercial Shirt Corp., New York, N. Y. Outer shirts and collars for men and boys. 539,216, Mar. 13; Serial No. 560,988, published Nov. 14, 1950. Class 39.

Consolidated Products Company, Danville, Ill. Dog food. 539,344, Mar. 13; Serial No. 587,935, published Oct. 24, 1950. Class 46.

Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Sewing machines. 539,426, Mar. 13; Serial No. 595,828, published Nov. 21, 1950. Class 23.

Continental Carbon, Inc., Cleveland, Ohio. Electrical resistors. 539,430, Mar. 13; Serial No. 596,484, published Dec. 12, 1950. Class 21.

Continental Motors Corporation, Detroit and Muskegon, Mich. Internal combustion engines, etc. 539,240, Mar. 13; Serial No. 569,817, published Dec. 5, 1950. Class 23.

Cook, E. K., & Co., Inc., Washington, D. C. Medicinal preparation. 539,366, Mar. 13; Serial No. 589,075, published Dec. 19, 1950. Class 18.

Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas engines, oil engines, pumps, etc. 539,187, Mar. 13; Serial No. 549,053, published Dec. 19, 1950. Class 23.

Corn Products Refining Company: *See*—
Glucose Sugar Refining Co., The.

Corn Products Refining Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Compound of corn, molasses, and sorghum syrup. 81,202, re-renewed Mar. 14, 1951. O. G. Mar. 13. Class 46.

Corn Products Refining Company, New York, N. Y. Edible cornstarch. 281,835, renewed Mar. 31, 1951. O. G. Mar. 13. Class 46.

Crafton Orange Growers Association, Mentone, Calif. Fresh citrus fruits. 539,175–6, Mar. 13; Serial Nos. 544,978–9, published Oct. 10, 1950. Class 46.

Cranberry Growers, Inc., Wisconsin Rapids, Wis. Fresh cranberries. 539,462, Mar. 13; Serial No. 567,855. Class 46.

Creamette Company, The, Minneapolis, Minn. Macaroni. 539,198, Mar. 13; Serial No. 554,863, published Nov. 14, 1950. Class 46.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 539,214, Mar. 13; Serial No. 539,789, published Dec. 5, 1950. Class 42.

Crouse-Hinds Company, Syracuse, N. Y. Electric visible and audible alarm signaling apparatus. 539,196, Mar. 13; Serial No. 552,845, published Dec. 5, 1950. Class 21.

Cudahy Packing Company, The, Chicago, Ill. Butter, whole eggs, and cheese. 539,303, Mar. 13; Serial No. 583,333, published Nov. 21, 1950. Class 46.

Davies, Oliver, Inc., Racine, Wis. Hand-operated rotary glass washers. 539,204, Mar. 13; Serial No. 556,322, published Nov. 21, 1950. Class 23.

Davis Specialties Incorporated, Chicago, Ill. Press plates and pads for pressing clothes. 539,367, Mar. 13; Serial No. 589,076, published Nov. 14, 1950. Class 24.

Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures and parts thereof. 539,273, Mar. 13; Serial No. 577,663, published Dec. 19, 1950. Class 21.

Dazey Corporation, St. Louis, Mo. Hand-operated machines and appliances. 539,274, Mar. 13; Serial No. 578,009, published Nov. 21, 1950. Class 23.

Dewey and Almy Chemical Company, Cambridge, Mass. Chemical compound especially suitable for use as an air-entraining agent for Portland cement concrete. 409,573, Oct. 10, 1944. Republished Mar. 13. Class 12.

Dewey and Almy Chemical Company, Cambridge, Mass. Polymeric materials. 421,159, May 21, 1946. Republished Mar. 13. Class 1.

Diamond Council of America, New York, N. Y. Consulting, advisory, and supervisory services. 539,440, Mar. 13; Serial No. 576,527, published Dec. 26, 1950. Class 100.

Display Lighting, Incorporated, New York, N. Y. Vertically adjustable depending supports for theatre and studio lights, microphones, etc. 539,322, Mar. 13; Serial No. 585,158, published Dec. 12, 1950. Class 21.

Dodge, H. B., and Company, Chicago, assignor to C. C. Shields, Lake Bluff, Ill. Hangers comprising hooks for the support of articles. 539,237, Mar. 13; Serial No. 569,438, published Dec. 19, 1950. Class 13.

Donovan Enterprises, Incorporated, Saugatuck, Conn. Diaper coverings. 539,305, Mar. 13; Serial No. 583,526, published Nov. 28, 1950. Class 39.

Douglas Fir Plywood Association, Tacoma, Wash. Fir plywood. 539,454, Mar. 13; Serial No. 563,915, published Dec. 26, 1950. Class 12.

Dow Chemical Company, The, Midland, Mich., now by merger The Dow Chemical Company. Blocks, boards, and other shapes of multi-cellular expanded synthetic resinous material. 539,147, Mar. 13; Serial No. 514,334, published Dec. 19, 1950. Class 12.

Drew, E. F., & Co., Inc., New York, N. Y. Salad oil. 539,230, Mar. 13; Serial No. 565,545, published Dec. 5, 1950. Class 46.

Drive In Theatre Equipment Co., Inc., Cleveland, Ohio. Outdoor loud speakers and parts therefor. 539,477, Mar. 13; Serial No. 590,429. Class 21.

Dunwody, R. G., & Sons, Inc., Atlanta, Ga. Analgesic antipyretic. 539,257. Mar. 13; Serial No. 573,534, published Dec. 26, 1950. Class 18.

Dura-Bond, Incorporated, Ann Arbor, Mich. Brake shoe bonding kit. 539,191, Mar. 13; Serial No. 552,584, published Nov. 28, 1950. Class 23.

Dutchess Textile & Hosiery Co., Westport, Conn. Women's underwear, hosiery, nightgowns, etc. 539,173, Mar. 13; Serial No. 544,070, published June 28, 1949. Class 39.

Dwinell-Wright Company, Boston, Mass. Coffee. 281,848, renewed Mar. 31, 1951. O. G. Mar. 13. Class 46.

Dyer, William W., to Vincennes Packing Corporation, Vincennes, Ind. Canned pork and beans. 81,058, re-renewed Feb. 28, 1951. O. G. Mar. 13. Class 46.

Eagle Electronics, Inc., New York, N. Y. Television receiving sets. 539,272, Mar. 13; Serial No. 576,962, published Nov. 28, 1950. Class 21.

Early May Seed Co.: *See*—
May Seed & Nursery Co.

Eastern Clay Products, Inc., Jackson, Ohio. Resilient sheet. 539,251, Mar. 13; Serial No. 572,956, published Nov. 7, 1950. Class 23.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens: *See*—
Mülhens, Paul P.

Envey Co., The, Xenia, Ohio. Jelly powders, cider vinegar, tea, etc. 278,597, renewed Dec. 23, 1950. O. G. Mar. 13. Class 46.

Eclipse Air Brush Co., Newark, N. J. Pneumatic spray guns. 444,438, Mar. 13; Serial No. 524,387, published Jan. 27, 1948. Class 23.

Economy Fuse and Manufacturing Co., assignee: *See*—
Economy Fuse and Manufacturing Company.

Economy Fuse and Manufacturing Company, Chicago, Ill., assignor, by mesne assignments, to Economy Fuse and Manufacturing Co. Fuses and receptacles therefor. 539,409, Mar. 13; Serial No. 593,791, published Dec. 5, 1950. Class 21.

Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind. Portable fire extinguishers. 539,277, Mar. 13; Serial No. 578,380, published Nov. 14, 1950. Class 23.

Elsdon, Nellie A., Fredonia, N. Y. Candy. 276,752, renewed Oct. 28, 1950. O. G. Mar. 13. Class 46.

Erie Railroad Company, Cleveland, Ohio. Railroad, highway, and marine transportation. 539,451, Mar. 13; Serial No. 592,887, published Dec. 26, 1950. Class 105.

Excel Garment Manufacturing Company, Minneapolis, Minn. Outer garments. 539,336, Mar. 13; Serial No. 587,433, published Dec. 5, 1950. Class 39.

Exelento Medicine Company, Atlanta, Ga. Hair pomade, pressing oil, cream deodorant, and bleach cream. 539,328, Mar. 13; Serial No. 586,239, published Nov. 28, 1950. Class 51.

F. Ahlgrens Tekniska Fabrik Aktiebolag, Gavle, Sweden. Medicated pastilles and lozenges. 539,467, Mar. 13; Serial No. 574,666. Class 18.

Fabric Prints, Inc., New York, N. Y. Piece goods. 539,363–5, Mar. 13; Serial Nos. 589,013–15, published Dec. 5, 1950. Class 42.

Farm Tools, Inc., Mansfield, Ohio. Disc harrows. 539,143, Mar. 13; Serial No. 488,209, published Nov. 14, 1950. Class 23.

Farnsworth, Hoyt & Co., to Pepperell Manufacturing Company, Boston, Mass. Duck designed for lining shoes or other articles. 35,715, re-renewed Jan. 8, 1951. O. G. Mar. 13. Class 42.

Fate-Root-Heath Company, The, Plymouth, Ohio. Railroad locomotives. 539,177, Mar. 13; Serial No. 545,112, published Nov. 21, 1950. Class 23.

Fauce Hot Heater Co.: *See*—
Gas and Electric Heater Co.

Fineill, John R., Mamaroneck, N. Y. Necklaces, earrings, pin ornaments, etc. 539,476, Mar. 13; Serial No. 588,568. Class 28.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. 378,241, June 4, 1940. Canceled Feb. 16, 1951. O. G. Mar. 13. Class 19.

Fischer Kiddie Coat Corporation, New York, N. Y. Wearing apparel for ladies, misses and children. 539,473, Mar. 13; Serial No. 587,258. Class 39.

Fitch, F. W., Company, The, Des Moines, Iowa, assignor to The Grove Laboratories, Inc., St. Louis, Mo. Hair tonic and a preparation for setting waves. 539,256, Mar. 13; Serial No. 573,415, published Nov. 7, 1950. Class 51.

Flako Products Corporation, New Brunswick, N. J. Cookie mix. 539,185, Mar. 13; Serial No. 548,944, published Nov. 7, 1950. Class 46.

Fleetwood Sportwear, Inc., New York, N. Y. Knitted sweaters for ladies, misses and children. 539,319, Mar. 13; Serial No. 584,807, published Dec. 5, 1950. Class 39.

Flexentrik Co., San Francisco, Calif. Oscillating couplings. 539,423, Mar. 13; Serial No. 595,372, published Nov. 28, 1950. Class 23.

Fly-Ties, Inc., New York, N. Y. Neckties. 539,329, Mar. 13; Serial No. 586,272, published Nov. 14, 1950. Class 39.

Food and Nutrition Company of America: *See*—
Jones, Joseph L.

Food Fair Stores, Inc., Philadelphia, Pa. Cheese. 539,192, Mar. 13; Serial No. 552,647, published Sept. 13, 1949. Class 46.

Forster Manufacturing Company, Inc., The, Farmington, Maine. Clothespins. 539,201, Mar. 13; Serial No. 555,745, published Mar. 7, 1950. Class 24.

Fort Orange Chemical Co. Inc.: *See*—
Fort Orange Chemical Company.

Fort Orange Chemical Company, assignor to Fort Orange Chemical Co. Inc., to Fort Orange Chemical Co., Inc., Albany, N. Y. Nail polish, preparation for removing nail polish, and bath salts. 281,667, renewed Mar. 24, 1951. O. G. Mar. 13. Class 51.

Foster-Milburn Co., Buffalo, N. Y. Medicated jelly. 539,481, Mar. 13; Serial No. 596,089. Class 18.

Frahm, Russell A., doing business under the name "G-O Company," St. Louis, Mo. Mechanical agricultural spraying machinery. 539,398 Mar. 13; Serial No. 592,367, published Nov. 7, 1950. Class 23.

French, Alma, Minneapolis, Minn. Toilet preparations and cosmetics. 414,482, June 12, 1945. Republished Mar. 13. Class 51.

Frens Corporation, assignee: *See*—
Friends Corporation.

Friends Corporation, Chambersburg, Pa., assignor to Frens Corporation, to Personal Products Corporation, North Brunswick Township, N. J. Sanitary napkins. 275,791, renewed Sept. 30, 1950. O. G. Mar. 13. Class 44.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 539,369, Mar. 13; Serial No. 589,256, published Dec. 5, 1950. Class 42.

"G-O Company": *See*—
Frahm, Russell A.

Gallon All-Steel Body Company, The: *See*—
Central Ohio Steel Products Company.

Garrett Corporation, The, Los Angeles, Calif. Engineering services. 539,439, Mar. 13; Serial No. 556,095, published Dec. 26, 1950. Class 103.

Gas and Electric Heater Co., to FauceHot Heater Co., LaPorte, Ind. Gas water-supply heaters. 272,997, renewed July 15, 1950. O. G. Mar. 13. Class 34.

Gas and Electric Heater Co., to FauceHot Heater Co., LaPorte, Ind. Gas water heaters. 275,691, renewed Sept. 30, 1950. O. G. Mar. 13. Class 34.

Gaylord Products, Incorporated, Chicago, Ill. Non-electric hair curling devices. 431,759, Aug. 5, 1947. Republished Mar. 13. Class 40.

Geigy Company, Inc., New York, N. Y. Dyestuffs-neutral dyeing-acid colors. 281,629, renewed Mar. 24, 1951. O. G. Mar. 13. Class 6.

Gloilte Corporation, The, Chicago, Ill. Electric decorative lighting equipment. 539,243, Mar. 13; Serial No. 571,526, published Dec. 5, 1950. Class 21.

Glucose Sugar Refining Co., The, Jersey City, N. J., and Chicago, Ill., to Corn Products Refining Company, New York, N. Y. Sugar and syrup. 36,098, re-renewed Mar. 19, 1951. O. G. Mar. 13. Class 46.

Goldstein Millinery Company, Chicago, Ill. Ladies', misses', and children's hats. 539,333, Mar. 13; Serial No. 587,083, published Nov. 14, 1950. Class 39.

Golf Shaft & Block Company, to C. F. Work & Sons, Inc., Memphis, Tenn. Unfinished or partly-finished dimension stock and turnings of hickory, etc. 283,366, renewed May 26, 1951. O. G. Mar. 13. Class 12.

Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. 539,155, Mar. 13; Serial No. 528,922, published Dec. 12, 1950. Class 39.

Gossard, H. W., Co., The, Chicago, Ill. Girdles, pantles, step-in corsets, etc. 367,119, May 9, 1939. Canceled Feb. 16, 1951. O. G. Mar. 13. Class 39.

Graham, G. Milo, doing business as Thermo-Fluf Insulation Company, Wichita, Kans. Building insulation material. 444,435, Mar. 13; Serial No. 521,447, published Dec. 26, 1950. Class 12.

Grant Chemical Co., Inc., New York, N. Y. Medicinal preparation. 539,394, Mar. 13; Serial No. 591,618, published Dec. 19, 1950. Class 18.

Grant, W. T., Company, New York, N. Y. Kitchen utensils. 539,200, Mar. 13; Serial No. 555,172, published Dec. 19, 1950. Class 13.

Graux, Lucien, Paris, to Societe Anonyme Pour L'Expansion Des Marques De Fabrique et de Commerce, Courbevoie (Seine), France. Remedy for the improvement of the blood. 81,605, re-renewed Apr. 25, 1951. O. G. Mar. 13. Class 18.

Gray, Dorothy, New York, N. Y. Face powders, talcum powder, etc. 200,419, June 30, 1925. Amended. O. G. Mar. 13. Class 6.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Patters for the skin and tissue and reducing chin strap. 283,555, June 2, 1931. Amended. O. G. Mar. 13. Class 44.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Cleansing tissues. 283,587, June 2, 1931. Amended. O. G. Mar. 13. Class 37.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Powder puffs, absorbent powder puffs, etc. 283,935, June 9, 1931. Amended. O. G. Mar. 13. Class 29.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Soap. 284,053, June 16, 1931. Amended. O. G. Mar. 13. Class 4.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Filled compacts. 285,634, Aug. 4, 1931. Amended. O. G. Mar. 13. Class 6.

Gray, Dorothy, Bloomfield, N. J., and New York, N. Y. Toilet or dressing cases, overnight bags, etc. 285,899, Aug. 11, 1931. Amended. O. G. Mar. 13. Class 3.

Gringer, Rose, doing business as Ultra Manufacturing Co., New York, N. Y. Saws. 539,264, Mar. 13; Serial No. 574,769, published Nov. 14, 1950. Class 23.

Grove Laboratories, Inc., The: *See*—
Fitch, F. W., Company, The.

Gump, B. F., Co., Chicago, Ill. Industrial blending and mixing machines. 539,241, Mar. 13; Serial No. 570,776, published Nov. 28, 1950. Class 23.

Hahn Shoe Mfg. Co., Philadelphia, Pa. Infants' shoes. 444,439, Mar. 13; Serial No. 526,225, published Dec. 19, 1950. Class 39.

Hairspring Vibrating Co.: *See*—
Verde, Charles D.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 539,330, Mar. 13; Serial No. 586,279, published July 18, 1950. Class 42.

Heller, B., & Company, Chicago, Ill. Powder used to destroy ants. 539,236, Mar. 13; Serial No. 568,793, published Dec. 19, 1950. Class 6.

Heller Brothers Company, Newark, N. J. Files. 539,427, Mar. 13; Serial No. 595,955, published Nov. 28, 1950. Class 23.

Heller Brothers Company, Newark, N. J. Trowels. 539,428, Mar. 13; Serial No. 595,956, published Dec. 12, 1950. Class 23.

Heller Company, The, Cleveland, Ohio. Stapling machines. 539,195, Mar. 13; Serial No. 552,771, published Sept. 19, 1950. Class 23.

Herculean Appliance Corporation, New York, N. Y. Toilet seats. 539,480, Mar. 13; Serial No. 595,542. Class 13.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Braces, and garters. 539,160, Mar. 13; Serial No. 535,843, published Nov. 14, 1950. Class 39.

Hill-Clarke Machinery Company, Chicago, Ill. Metal-working machinery and tools. 539,168, Mar. 13; Serial No. 540,357, published Nov. 28, 1950. Class 23.

Hilsenbeck, L., Inc., to Julius Schmid, Inc., New York, N. Y. Prophylactic rubber articles. 278,195, renewed Dec. 9, 1950. O. G. Mar. 13. Class 44.

Hines, Edward, Lumber Co., Chicago, Ill. Yellow pine, Douglas fir and western hemlock lumber. 539,170, Mar. 13; Serial No. 541,141, published Dec. 26, 1950. Class 12.

Hockaday, Inc., Chicago, Ill. Electrical insulating varnishes. 539,148, Mar. 13; Serial No. 515,560, published Nov. 28, 1950. Class 21.

Hoffman, Kiva, Sherman Oaks, Calif., assignor to Lever Brothers Company, New York, N. Y. Facial high light make-up base. 539,244, Mar. 13; Serial No. 571,540, published Dec. 19, 1950. Class 51.

Hoffman-La Roche Chemical Works, The, to Hoffman-La Roche Inc., Nutley, N. J. Product having antiseptical properties. 80,749, Jan. 24, 1911. New certificate. O. G. Mar. 13. Class 6.

Hoffman-La Roche Inc.: *See*—
Hoffman-La Roche Chemical Works, The.

Holly Molding Devices, Inc., Chicago, Ill. Hand operated hamburger patty molding machines. 539,153, Mar. 13; Serial No. 524,462, published Nov. 14, 1950. Class 23.

Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. 539,282, Mar. 13; Serial No. 578,504, published Dec. 12, 1950. Class 21.

Hotpoint Inc., Chicago, Ill. Faucets and valves. 539,422, Mar. 13; Serial No. 595,321, published Dec. 19, 1950. Class 13.

House of Worsted-Tex, Inc.: *See*—
Cohen, Goldman & Co. Inc.

Hubbard Milling Company, Mankato, Minn. Feed for swine, poultry and turkeys. 539,374, Mar. 13; Serial No. 589,722, published Oct. 24, 1950. Class 46.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Unitary hand-operated sprayers. 539,337, Mar. 13; Serial No. 587,490, published Dec. 5, 1950. Class 23.

Hughes Tool Company, Houston, Tex. Tool joints. 539,156, Mar. 13; Serial No. 531,039, published Nov. 7, 1950. Class 23.

Huth & James Shoe Co., Milwaukee, Wis., by The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md. Young ladies' shoes. 357,425, June 7, 1938. Republished Mar. 13. Class 39.

Hygrade Food Products Corporation, New York, N. Y. Butter, fresh eggs, and cheese. 539,321, Mar. 13; Serial No. 585,119, published Nov. 14, 1950. Class 46.

Hygrade Food Products Corporation, New York, N. Y. Bacon, frankfurters, ham, etc. 539,179, Mar. 13; Serial No. 546,303, published Nov. 7, 1950. Class 46.

Ichthyol Co., The: *See*—
Ichthyol-Gesellschaft Cordes, Hermanni & Co.

Ichthyol Co., The, Rahway, to The Ichthyol Co., Bloomfield, N. J. Medicinal solution and pharmaceutical preparation. 278,443, renewed Dec. 16, 1950. O. G. Mar. 13. Class 18.

Ichthyol-Gesellschaft Cordes, Hermanni & Co., Hamburg, Germany, to The Ichthyol Co., Bloomfield, N. J. Chemical compounds, medicaments, surgical matter for men and animals, etc. 35,548, re-renewed Dec. 4, 1950. O. G. Mar. 13. Class 46.

Ideal Manufacturing Co., San Francisco, Calif. Mop wringer. 539,163, Mar. 13; Serial No. 538,143, published Nov. 21, 1950. Class 23.

Ilac Products Corp., Buffalo, N. Y. Identifying labels attached to garments as a part of the laundering process thereof. 539,149, Mar. 13; Serial No. 517,416, published Nov. 21, 1950. Class 24.

Illinois Gear & Machine Company, Chicago, Ill. Roller and silent chain sprockets; speed-reducers; machine gears, etc. 539,226–7, Mar. 13; Serial Nos. 565,265–6, published Dec. 5, 1950. Class 23.

Indian River Fabrics, Inc., Marietta, Ga. Textile fabrics. 539,361, Mar. 13; Serial No. 588,802, published Dec. 5, 1950. Class 42.

Industrial Medicine Publishing Company, Chicago, Ill. Periodical publication. 539,479, Mar. 13; Serial No. 594,223. Class 38.

International Paint Company, Inc: *See*—
International Paint & Compositions Company, Limited, The.

International Paint & Compositions Company, Limited, The, London, England, to International Paint Company, Inc., New York, N. Y. Ready-mixed and paste paints. 282,603, renewed Apr. 28, 1951. O. G. Mar. 13. Class 16.

International Salt Company, Scranton, Pa. Salt. 539,172, Mar. 13; Serial No. 543,190, published Oct. 24, 1950. Class 46.

Irvington Varnish and Insulator Company, Irvington, N. J. Synthetic resinous materials. 539,189, Mar. 13; Serial No. 550,924, published Dec. 26, 1950. Class 6.

Isaly Dairy Company, Youngstown, Ohio. Chocolate coated sherbet bars. 539,221, Mar. 13; Serial No. 563,935, published Nov. 7, 1950. Class 46.

Jantzen Knitting Mills Inc., Portland, Oreg. Men's, women's, and children's apparel. 539,331, Mar. 13; Serial No. 586,413, published Nov. 14, 1950. Class 39.

Johnson, Charles T.: *See*—
Romero Drug Company.

Johnson Quality Homes, Inc., Jersey City, N. J. Preassembled houses. 539,469, Mar. 13; Serial No. 580,411. Class 12.

Jones, Joseph L., doing business as Food and Nutrition Company of America, Los Angeles, Calif. Multivitamin and mineral product. 539,384, Mar. 13; Serial No. 590,813, published Dec. 19, 1950. Class 18.

Josam Manufacturing Company, Cleveland, Ohio. Floor drains. 539,456, Mar. 13; Serial No. 524,992. Class 13.

Juliana Lingerie, Inc., New York, N. Y. Misses' and women's nightgowns and slips. 539,203, Mar. 13; Serial No. 556,203, published May 9, 1950. Class 39.

Kanner, Joseph, Hat Co., Inc.: *See*—
Level Hat Co. Inc.

Kanner, Joseph, Hat Co., Inc., South Norwalk, Conn. Men's hats. 423,055, Aug. 20, 1946. Republished Mar. 13. Class 39.

Kaufmann Department Stores: *See*—
May Department Stores Company, The.

Kearney & Trecker Corporation, West Allis, Wis. Machine tools. 539,403–4, Mar. 13; Serial Nos. 593,515–16, published Nov. 14, 1950. Class 23.

Keim, H. H., Company, Nampa, Idaho. Meats and meat products. 539,162, Mar. 13; Serial No. 537,895, published Dec. 5, 1950. Class 46.

Kellerman, Rudolph, Inc., New York, N. Y. Nylon stockings. 539,313, Mar. 13; Serial No. 584,402, published Nov. 28, 1950. Class 39.

Kemode Mfg. Co., Inc., New York, N. Y. Non-electrical solder irons. 539,271, Mar. 13; Serial No. 576,644, published Nov. 7, 1950. Class 23.

Kennecott Wire and Cable Company, Phillipsdale, R. I. Bare and insulated electric wire and cable. 539,414, Mar. 13; Serial No. 594,473, published Dec. 19, 1950. Class 21.

Knapp-Monarch Company, St. Louis, Mo. Electric room heaters. 539,217, Mar. 13; Serial No. 561,194, published Dec. 19, 1950. Class 21.

Kocher, Walter, New York, N. Y. Clocks. 539,478, Mar. 13; Serial No. 593,124. Class 27.

Kress, S. H., and Company, New York, N. Y. Hosiery. 539,314, Mar. 13; Serial No. 584,405, published Nov. 28, 1950. Class 39.

Krispy Kreme Doughnut Company, Winston-Salem, N. C. Doughnuts and the mix for making same. 539,165, Mar. 13; Serial No. 539,529, published Nov. 14, 1950. Class 46.

Kroger Co., The, Cincinnati, Ohio. Canned fruits and vegetables. 539,326, Mar. 13; Serial No. 586,175, published Oct. 17, 1950. Class 46.

Kulana Products Co., Honolulu, Territory of Hawaii. Canned fruit nectars. 539,181, Mar. 13; Serial No. 547,006, published Oct. 31, 1950. Class 46.

L & M Food Distributors: *See*—
Sharpe, Thomas C.

Laclede-Christy Company, St. Louis, Mo. Plastic cement. 539,470, Mar. 13; Serial No. 580,606. Class 12.

Lakeside Packing Company, Manitowoc, Wis. Early June peas, cut wax beans, cut green beans, etc. 539,180, Mar. 13; Serial No. 546,852, published Nov. 21, 1950. Class 46.

Laminated Plastics, Inc., East Cleveland, Ohio. Electrical insulating board. 539,298, Mar. 13; Serial No. 581,670, published Dec. 19, 1950. Class 21.

Lea Manufacturing Company, The, Waterbury, Conn. 539,247, Mar. 13. Compounds for buffing, polishing, burnishing, and finishing metallic and other surfaces, etc., Serial No. 572,434, published June 27, 1950, Class 4; Addition agents for electroplating solutions, etc., Serial No. 572,436, published Sept. 19, 1950, Class 6. (Consolidated certificate. Classes 4 and 6.)

Lee, Frank H., Company, The, Danbury, Conn. Men's and women's hats and caps. 539,269, Mar. 13; Serial No. 576,339, published Nov. 14, 1950. Class 39.

Lees-Bradner Company, The, Cleveland, Ohio. Machine tools. 539,297, Mar. 13; Serial No. 581,600, published Nov. 7, 1950. Class 23.

Lenel Co.: *See*—
Rothchild, Lionel G.

Lesley, Jerry P., doing business as Cleo Razor Blade Co., Easley, S. C. Razor blades. 539,395, Mar. 13; Serial No. 591,887, published Nov. 28, 1950. Class 23.

Le Tourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Power transmission units. 539,164, Mar. 13; Serial No. 538,299, published Nov. 14, 1950. Class 23.

Level Hat Co., Inc., by Joseph Kanner Hat Co., Inc., South Norwalk, Conn. Men's hats. 355,065, Mar. 8, 1938. Republished Mar. 13. Class 39.

Lever Brothers Company: *See*—
Hoffman, Kiva.

Lincoln Electric Company, The, Cleveland, Ohio. Wire cable. 539,391, Mar. 13; Serial No. 591,498, published Nov. 28, 1950. Class 21.

Link-Belt Speeder Corporation, Cedar Rapids, Iowa. Power shovels; revolving power shovels; etc. 539,379, Mar. 13; Serial No. 590,446, published Nov. 21, 1950. Class 23.

Look, Ow Yang, doing business as Quong Sang Chong Co., San Francisco, Calif. Canned abalone. 539,362, Mar. 13; Serial No. 588,808, published Oct. 24, 1950. Class 46.

Loomtogs, Inc., New York, N. Y. Ladies' shirts and blouses. 539,397, Mar. 13; Serial No. 592,213, published Dec. 19, 1950. Class 39.

Loroman Company, New York, N. Y. Ironing boards. 539,301, Mar. 13; Serial No. 583,209, published Nov. 21, 1950. Class 24.

Lory Co.: *See*—
Napolitan, Louis.

Lubri-Graph Corporation, The, Cleveland, to The Lubrizol Corporation, Wickliffe, Ohio. Lubricating oils, lubricating oil compounds, etc. 275,737, renewed Sept. 30, 1950. O. G. Mar. 13. Class 15.

Lubrizol Corporation, The: *See*—
Lubri-Graph Corporation, The.

Luers, John M., Mount Clemens, Mich. Cutting-off tools, threading tools and toolholders, etc. 539,416, Mar. 13; Serial No. 594,719, published Nov. 21, 1950. Class 23.

Luxury Products Company, Burlington, Iowa. Liquid wax compounds. 444,434, Mar. 13; Serial No. 513,666, published Nov. 14, 1950. Class 4.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 539,315, Mar. 13; Serial No. 584,588, published Nov. 28, 1950. Class 39.

Mace, Kenneth G., doing business under the name and style of Mace Laboratories, Neenah, Wis. Preparation for the treatment of coughs. 539,359, Mar. 13; Serial No. 588,695, published Dec. 26, 1950. Class 18.

Mace Laboratories: *See*—
Mace, Kenneth G.

Mack, Augustus F., doing business as Mack Brothers, San Diego, Calif. Cleansing cream. 313,260, May 22, 1934. Canceled Feb. 9, 1951. O. G. Mar. 13. Class 6.

Mack Brothers: *See*—
Mack, Augustus F.

Maclean, Neil A., Company, San Francisco, Calif. Hand-operated soil fumigator. 539,242, Mar. 13; Serial No. 570,903, published Dec. 19, 1950. Class 23.

Malone, L. T., doing business as L. T. Malone Company, Phoenix, Ariz. Fresh lettuce, carrots, broccoli. 539,388, Mar. 13; Serial No. 591,175, published Dec. 5, 1950. Class 46.

Malone, L. T., Company: *See*—
Malone, L. T.

Maltbie Chemical Company, The: *See*—
Maltbie Laboratories, Inc.

Maltbie Laboratories, Inc., Newark, N. J., formerly The Maltbie Chemical Company. Preparation for estrogenic replecement therapy. 539,338, Mar. 13; Serial No. 587,495, published Dec. 19, 1950. Class 18.

Malzone Sports, Inc., Union City, N. J. Athletic clothing. 539,293, Mar. 13; Serial No. 580,996, published Nov. 14, 1950. Class 39.

Manhattan Drug Company, Brooklyn, N. Y. Anti-histamine tablets. 539,372, Mar. 13; Serial No. 589,518, published Dec. 19, 1950. Class 18.

Manheimer, Jacob: *See*—
Warrick, Frederic W.

Manifold Supplies Company, Brooklyn, N. Y. Carbon paper. 539,466, Mar. 13; Serial No. 574,523. Class 11.

Mann Bros. Canning Co. (Inc.), Lakeland, Fla. Canned orange and grapefruit sections. 539,458, Mar. 13; Serial No. 548,007. Class 46.

Manning, Maxwell & Moore, Inc., New York, N. Y. Electrically driven hoists. 539,161, Mar. 13; Serial No. 537,602, published Dec. 5, 1950. Class 21.

Manufacture de Produits Speciaux Robert Levaux, Ingénieur & Cie, Breteuil-sur Noye, France. Softening agent. 539,266, Mar. 13; Serial No. 576,123, published Dec. 19, 1950. Class 6.

Marks, Leon, New York, N. Y. Candy and candied nuts. 282,377, renewed Apr. 21, 1951. O. G. Mar. 13. Class 46.

Marks, Walter K., Inc., New York, N. Y. Ladies' hats. 539,376, Mar. 13; Serial No. 590,026, published Nov. 14, 1950. Class 39.

Martha Maid Mfg. Co., Chicago, Ill. Misses' or junior misses' underwear and lingerie. 539,157, Mar. 13; Serial No. 532,849, published June 15, 1948. Class 39.

Martin Tile Company, The, Kansas City, Mo. Tile. 444,436, Mar. 13; Serial No. 522,231, published Dec. 26, 1950. Class 12.

Marvel Shear Manufacturing Co.: *See*—
Mitchell, Francis M.

Masland, C. H., & Sons, Carlisle, Pa. Textile carpets and rugs. 539,345, Mar. 13; Serial No. 588,101, published Dec. 5, 1950. Class 42.

Masterpiece Foods, Inc.: *See*—
California Sanitary Canning Co., Ltd.

Matthews, W. N., Corporation, St. Louis, Mo. High voltage power line switches. 539,411, Mar. 13; Serial No. 594,228, published Dec. 5, 1950. Class 21.

May Department Stores Company, The, doing business under the name of Kaufmann Department Stores, St. Louis, Mo., and Pittsburgh, Pa. Face and hand creams, face and hand lotions, skin freshener and tonic, etc. 539,263, Mar. 13; Serial No. 574,716, published Nov. 28, 1950. Class 51.

May Seed & Nursery Co., doing business as Earl May Seed Co., Shenandoah, Iowa. Baby chicks. 539,435, Mar. 13; Serial No. 598,738, published Dec. 5, 1950. Class 1.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Portable hand tools. 539,304, Mar. 13; Serial No. 583,355, published Nov. 14, 1950. Class 23.

McLellan Stores Company, New York, N. Y. Hosiery 539,323, Mar. 13; Serial No. 585,179, published Dec. 5, 1950. Class 39.

Mercantile Stores Company, Inc., Wilmington, Del. Radio receiving sets, television receiving sets, combination radio and record players, etc. 539,276, Mar. 13; Serial No. 578,156, published Nov. 28, 1950. Class 21.

Merit Textile Fabrics Inc., New York, N. Y. Cotton, linen, rayon, etc., textile fabrics. 539,385, Mar. 13; Serial No. 590,938, published Dec. 5, 1950. Class 42.

Metal Ware Corporation, The, Two Rivers, Wis. Non-electric household pop corn poppers. 539,152, Mar. 13; Serial No. 522,206, published Dec. 19, 1950. Class 13.

Meussdorffer, Conrad P., doing business as Cam Manufacturing Co., Ross, Calif. Electrical sirens. 280,807, renewed Mar. 3, 1951. O. G. Mar. 13. Class 21.

Micro-Lite Company, Inc., New York, N. Y. Flashlights. 539,286, Mar. 13; Serial No. 579,197, published Dec. 19, 1950. Class 21.

Mill Devices Co.: *See*—
Carter, A. B., Incorporated.

Miller, I., & Sons, Inc.: *See*—
Andre, Incorporated.

Milroy Enterprises Inc., Middletown, Ohio. Broiler. 539,278, Mar. 13; Serial No. 578,399, published Dec. 5, 1950. Class 21.

Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. 539,450, Mar. 13; Serial No. 591,942, published Dec. 26, 1950. Class 105.

Mitchell, Francis M., doing business under the assumed name of Marvel Shear Manufacturing Co., Portland, Oreg. Barber shears and shears for general household use, etc. 539,354, Mar. 13; Serial No. 588,445, published Dec. 5, 1950. Class 23.

Modern Maid Food Products, Brooklyn, N. Y. Breading mix. 539,457, Mar. 13; Serial No. 529,915. Class 46.

Moore, B. C., & Sons, Incorporated, Cheraw, S. C. Women's hats. 539,324, Mar. 13; Serial No. 585,390, published Nov. 14, 1950. Class 39.

Morning Telegraph, Inc., New York, N. Y., to Triangle Publications, Inc., Philadelphia, Pa. Newspaper section, column, or department. 282,912–3, renewed May 5, 1951. O. G. Mar. 13. Class 38.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany, vested in the Attorney General of the United States, Washington, D. C. Shaving soap, toilet soap, etc. 278,989, renewed Jan. 6, 1951. O. G. Mar. 13. Class 51.

Musch, William F., Hamilton, Ohio. Electrical down indicators. 539,421, Mar. 13; Serial No. 595,273, published Dec. 12, 1950. Class 21.

Mutation Mink Breeders Association, Elkhorn, Wis. Fur coats. 539,283, Mar. 13; Serial No. 578,698, published Nov. 14, 1950. Class 39.

Mylan Manufacturing Co., Inc., New York, N. Y. Men's and boys' shirts. 539,312, Mar. 13; Serial No. 584,371, published Nov. 21, 1950. Class 39.

Napolitan, Louis, doing business as Lory Co., New York, N. Y. Temporary wrinkle remover. 539,258, Mar. 13; Serial No. 573,561, published Nov. 28, 1950. Class 51.

National Biscuit Company, New York, N. Y. Bakery products. 539,144, Mar. 13; Serial No. 500,117, published Sept. 19, 1950. Class 46.

National Cylinder Gas Company, Chicago, Ill. Hand operated fire extinguishers and parts thereof. 539,285, Mar. 13; Serial No. 579,047, published Nov. 28, 1950. Class 23.

National Steel Construction Co., Seattle, Wash. Automatic electric water heaters. 539,424, Mar. 13; Serial No. 595,548, published Dec. 12, 1950. Class 21.

Nevins Fruit Co., Inc., Titusville, Fla. Fresh citrus fruits. 539,309, Mar. 13; Serial No. 584,147, published Oct. 10, 1950. Class 46.

New England Industries, Inc., The, New York, N. Y. Medicinal preparation. 539,378, Mar. 13; Serial No. 590,178, published Dec. 26, 1950. Class 18.

New York Belting & Packing Company Ltd., New York, N. Y., and Passaic, N. J., by United States Rubber Company, New York, N. Y. Hose. 80,489, Dec. 27, 1910. Republished Mar. 13. Class 35.

New York Wire Cloth Company, New York, N. Y., and Wilmington, Del., to New York Wire Cloth Company, New York, N. Y. Wire fabric. 283,169, renewed May 19, 1951. O. G. Mar. 13. Class 13.

Norris Inc., Atlanta, Ga. Candy. 279,906, renewed Feb. 3, 1951. O. G. Mar. 13. Class 46.

Northwest Airlines, Inc., St. Paul, Minn. General porter service. 539,446, Mar. 13; Serial No. 586,425, published Dec. 26, 1950. Class 105.

Nu-Pro Corporation, Chicago, Ill. Beverage stirrers. 539,342, Mar. 13; Serial No. 587,692, published Nov. 21, 1950. Class 23.

Oak Electric Motors, Inc., Burr Oak, Mich. Electric motors. 539,284, Mar. 13; Serial No. 578,886, published Dec. 12, 1950. Class 21.

Olin Industries, Inc.: *See*—
Bond Electric Corporation.
Winchester Repeating Arms Co.

Oppenheim & Baruch, Inc., New York, N. Y. Textile fabrics in the piece, and vellings, nettings, and lace piece goods. 539,389, Mar. 13; Serial No. 591,185, published Dec. 5, 1950. Class 42.

Optical Devices, Incorporated, Joliet, Ill. Edger booster. 539,171, Mar. 13; Serial No. 542,644, published Nov. 14, 1950. Class 23.

Orleans Canning Company, Chicago, Ill. Canned dog food. 539,339, Mar. 13; Serial No. 587,498, published Nov. 21, 1950. Class 46.

Osborn Manufacturing Company, The, Cleveland, Ohio. Wire brushes, etc. 539,415, Mar. 13; Serial No. 594,656, published Dec. 5, 1950. Class 23.

Pacific Mills, Boston, Mass., and New York, N. Y. Sheets. 539,291, Mar. 13; Serial No. 580,256, published Dec. 5, 1950. Class 42.

Pacific Mills, Boston, Mass., and New York, N. Y. Electric bed sheets. 539,475, Mar. 13; Serial No. 588,381. Class 21.

Page-Madden Company, Inc., Mineola, N. Y. Guides, pulleys, eyes, etc. 539,401, Mar. 13; Serial No. 592,833, published Nov. 7, 1950. Class 23.

Parfums Rianchard, New York, N. Y. Toilet water, cologne, perfume, etc. 539,351, Mar. 13; Serial No. 588,382, published Nov. 28, 1950. Class 51.

Parke, Davis & Company, Detroit, Mich. Expectorant. 539,202, Mar. 13; Serial No. 555,791, published May 17, 1949. Class 18.

Parodi Cigar Company of New York: *See*—
Parodi Cigar Company of New York, Inc.

Parodi Cigar Company of New York, Inc., by Parodi Cigar Company of New York, Scranton, Pa. Cigars. 297,672, Sept. 27, 1932. Republished Mar. 13. Class 17.

Payson, George M., doing business as Adpix, Millis, Mass. Wood novelties. 539,246, Mar. 13; Serial No. 571,988, published Nov. 14, 1950. Class 23.

Peeler, C. A., doing business as Cheerwine Bottling Company, Salisbury, N. C. Carbonated, monalcoholic, noncereal, maltless beverages. 281,599, renewed Mar. 24, 1951. O. G. Mar. 13. Class 45.

Pepperell Manufacturing Company: *See*—
Farnsworth, Hoyt & Co.

Pepperell Manufacturing Company, Boston, Mass. Textile sheets and sheetings. 279,709, renewed Jan. 20, 1951. O. G. Mar. 13. Class 42.

Perfect Trouser Co., Philadelphia, Pa. Trousers for men and boys. 539,238, Mar. 13; Serial No. 569,531, published Nov. 21, 1950. Class 39.

Personal Products Corporation: *See*—
Friends Corporation.

Philco Corporation, Philadelphia, Pa. Electric ranges. 539,295, Mar. 13; Serial No. 581,353, published Dec. 19, 1950. Class 21.

Phillips & Buttorff Mfg. Co., Nashville, Tenn. Electric ranges, electric water-heaters, electric space-heaters, etc. 539,420, Mar. 13; Serial No. 595,149, published Dec. 12, 1950. Class 21.

Phillips Petroleum Company, Bartlesville, Okla. Storage batteries, battery cables, automobile fuses, etc. 539,245, Mar. 13; Serial No. 571,743, published Dec. 5, 1950. Class 21.

Pinkerton's National Detective Agency, Inc., New York, N. Y. Private detective investigations and property surveillance. 539,452, Mar. 13; Serial No. 593,560, published Dec. 26, 1950. Class 100.

Pioneer Tool Company, Inc., Bloomfield, N. J. Bandage Knives, burn-off knives, casing knives, etc. 539,316–17, Mar. 13; Serial Nos. 584,692–3, published Nov. 7, 1950. Class 23.

Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y., to Polak & Schwarz, Inc., New York, N. Y. Fruit juices and extracts. 278,749–50, renewed Dec. 30, 1950. O. G. Mar. 13. Class 45.

Polak & Schwarz, Zaandam, Netherlands, to Polak & Schwarz, Inc., New York, N. Y. Natural and imitation flavors. 279,332, renewed Jan. 13, 1951. O. G. Mar. 13. Class 46.

Polak & Schwarz, Zaandam, Netherlands, to Polak & Schwarz, Inc., New York, N. Y. Natural and imitation flavors. 283,016, renewed May 12, 1951. O. G. Mar. 13. Class 46.

Polak & Schwarz, Inc.: *See*—
Polak & Schwarz.

Polk Miller Products Corp., Richmond, Va. Disinfectant. 539,455, Mar. 13; Serial No. 515,788. Class 6.

Porterville Citrus Association, The, Porterville, Calif. Fresh citrus fruits. 539,199, Mar. 13; Serial No. 555,012, published Dec. 5, 1950. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Home permanent waving kit. 539,215, Mar. 13; Serial No. 560,500, published Dec. 12, 1950. Class 44.

Puritan Knitting Mills, Inc., The, Altoona, Pa. Wearing apparel for men and boys. 539,218, Mar. 13; Serial No. 581,589, published Nov. 14, 1950. Class 39.

Quong Sang Chong Co.: *See*—
Look, Ow Yang.

Ralston Purina Company, St. Louis, Mo. Fresh eggs. 539,193, Mar. 13; Serial No. 552,701, published Nov. 7, 1950. Class 46.

Ralston Purina Company, St. Louis, Mo. Prepared, mixed feeds. 539,194, Mar. 13; Serial No. 552,715, published Oct. 17, 1950. Class 46.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Portable power belt conveyors. 539,229, Mar. 13; Serial No. 565,370, published Nov. 14, 1950. Class 23.

Reamstown Hosiery Mills, Inc., Mohnton, Pa. Hosiery. 539,307, Mar. 13; Serial No. 583,947, published Nov. 28, 1950. Class 39.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipsticks, face rouge, etc. 539,332, Mar. 13; Serial No. 586,431, published Dec. 26, 1950. Class 51.

Richards, G. Whitfield, by G. Whitfield Richards, Philadelphia, Pa. Metal drawing compound lubricants. 274,307, Aug. 26, 1930. Republished Mar. 13. Class 15.

Riv-Officine Di Villar Perosa S. p. A.: *See*—
Soc. Anon. Officine di Villar Perosa.

Rixson, Oscar C., Company, The, Chicago, Ill. Builders hardware. 539,474, Mar. 13; Serial No. 587,819. Class 13.

Robertson, Lynton H., New York, N. Y. Stirring rod. 539,228, Mar. 13; Serial No. 565,287, published Nov. 7, 1950. Class 23.

Roger & Gallet, Paris, France, to Roger & Gallet, New York, N. Y. Toilet preparations. 35,737, re-renewed Jan. 8, 1951. O. G. Mar. 13. Class 51.

Rolls Razor, Inc., New York, N. Y. Shaving soap. 539,387, Mar. 13; Serial No. 591,048, published Nov. 28, 1950. Class 51.

Roman Raichert Company, Inc., Chicago, Ill. Sewing machines, sewing machine heads, sewing machine parts and accessories. 539,413, Mar. 13; Serial No. 594,334, published Nov. 28, 1950. Class 23.

Romero Drug Company, assignor to Charles T. Johnson, San Antonio, Tex. Laxative pills. 539,190, Mar. 13; Serial No. 552,496, published Nov. 28, 1950. Class 18.

Roosevelt Mills, Incorporated, Manchester, Conn. Sweaters. 539,270, Mar. 13; Serial No. 576,424, published Dec. 12, 1950. Class 39.

Rosenholz, J., Inc., New York, N. Y. Piece goods. 539,434, Mar. 13; Serial No. 598,040, pulbished Dec. 5, 1950. Class 42.

Rothchild, Lionel G., doing business under the name of Lenel Co., Dallas, Tex. Perfume and cologne. 539,472, Mar. 13; Serial No. 587,213. Class 51.

Royal Robes, Inc., New York, N. Y. Traveling robe, bath robe, and beach robe. 539,334, Mar. 13; Serial No. 587,159, published Nov. 14, 1950. Class 39.

Ruritan National, Wakefield, Va. Community services. 539,448, Mar. 13; Serial No. 591,108, published Dec. 26, 1950. Class 100.

Russell Playing Card Company, Jersey City, N. J., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 278,638, renewed Dec. 23, 1950. O. G. Mar. 13. Class 22.

S & M Products, Des Moines, Iowa. Electric lamp and bracket assembly. 539,355, Mar. 13; Serial No. 588,455, published Dec. 5, 1950. Class 21.

S and P Sales Company, Seattle, Wash. Canned fish. 539,231, Mar. 13; Serial No. 565,817, published Nov. 21, 1950. Class 46.

Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing tables. 539,412, Mar. 13; Serial No. 594,235, published Dec. 5, 1950. Class 24.

St. Pierre Chain Corporation, Worcester, Mass. Tire chains. 539,459, Mar. 13; Serial No. 511,139. Class 13.

San Fernando Heights Lemon Association, Los Angeles and San Fernando, Calif. Fresh citrus. 539,352, Mar. 13; Serial No. 588,389, published Oct. 24, 1950. Class 46.

Sangamo Electric Company, Springfield, Ill. Circuit breakers, shunts, transformers, and electric capacitors. 539,306, Mar. 13; Serial No. 583,550, published Dec. 19, 1950. Class 21.

San Martino Wines, Inc., Yonkers, N. Y. Wines. 347,711, July 6, 1937. Republished Mar. 13. Class 47.

Schafer Company, Inc., The, Decatur, Ind. Gloves. 539,360, Mar. 13; Serial No. 588,773, published Dec. 19, 1950. Class 39.

Schein Woolen Corp, New York, N. Y. Corduroy piece goods. 539,390, Mar. 13; Serial No. 591,256, published Dec. 5, 1950. Class 42.

Schenley Laboratories, Inc., New York, N. Y. Tablets for use as a vascular protective, etc. 539,335, Mar. 13; Serial No. 587,358, published Dec. 19, 1950. Class 18.

Schering Corporation, Bloomfield, N. J. Tablets containing hormone substances. 539,239, Mar. 13; Serial No. 569,643, published Dec. 19, 1950. Class 18.

Schleyer, E. C., Pump Company, Inc., Anderson, Ind. Non-self-measuring pumps, valves, fittings, etc. 539,356, Mar. 13; Serial No. 588,521, Nov. 21, 1950. Class 23.

Schmid, Julius, Inc.: *See*—
Hilsenbeck, L., Inc.

Schneible, Claude B., Company, Detroit, Mich. Centrifugal pumps. 539,184, Mar. 13; Serial No. 548,534, published Nov. 7, 1950. Class 23.

Schulmerich Electronics, Incorporated, Sellersville, Pa. Audio frequency electronic amplifiers; automatic program controlled sound systems, etc. 539,248, Mar. 13; Serial No. 572,455, published Dec. 5, 1950. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Slips, nightgowns, corsets, etc. 539,146, Mar. 13; Serial No. 512,710, published Dec. 19, 1950. Class 39.

Seneca Falls Machine Company, Seneca Falls, N. Y. Lathes. 539,197, Mar. 13; Serial No. 554,262, published Nov. 14, 1950. Class 23.

Senoret Chemical Company, St. Louis, Mo. Poison for ants, insects, vermin and rodents. 283,605, renewed June 2, 1951. O. G. Mar. 13. Class 6.

Sharpe Coffee Co.: *See*—
Sharpe, Thomas C.

Sharpe, Thomas C., doing business under the names Sharpe Coffee Co. and L & M Food Distributors, Jackson, Tenn. Coffee, tea, apple butter, etc. 539,188, Mar. 13; Serial No. 549,585, published Oct. 24, 1950. Class 46.

Shields, Charles C., assignee: *See*—
Dodge, H. B., and Company.

Sight Feed Generator Company, The, West Alexandria, Ohio. Welding fluxes. 444,433, Mar. 13; Serial No. 508,747, published Dec. 26, 1950. Class 6.

Signal-Stat Corporation, Brooklyn, N. Y. Vehicle direction signal switches. 539,419, Mar. 13; Serial No. 594,922, published Dec. 19, 1950. Class 21.

Silbe, H. O.: *See*—
Silten, Fritz.

Silten, Fritz, doing business as Silbe, H. O., Amsterdam, Netherlands. Medicinal preparation. 539,302, Mar. 13; Serial No. 583,298, published Dec. 26, 1950. Class 18.

Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits. 388,339, June 17, 1941. Canceled Feb. 14, 1951. O. G. Mar. 13. Class 23.

Smith, Edward, & Co., Inc., New York, N. Y. Soft white paste paint. 539,186, Mar. 13; Serial No. 549,020, published Dec. 12, 1950. Class 16.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for stimulation of the central nervous system, etc. 539,310, Mar. 13; Serial No. 584,161, published Dec. 19, 1950. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for the treatment of anemia. 539,320, Mar. 13; Serial No. 584,997, published Dec. 19, 1950. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 539,407–8, Mar. 13; Serial Nos. 593,692–3, published Dec. 19, 1950. Class 18.

Soc. Anon. Officine di Villar Perosa, to Riv-Officine Di Villar Perosa S. p. A., Turin, Italy. Ball bearings, roller bearings. 266,938, renewed Feb. 11, 1950. O. G. Mar. 13. Class 23.

Societe Anonyme pour L'Expansion Des Marques De Fabrique et de Commerce: *See*—
Graux, Lucien.

Southern Belting Company, Atlanta, Ga. Leather and comparable straps for textile machinery. 539,432, Mar. 13; Serial No. 596,875, published Oct. 24, 1950. Class 23.

Southgate Brokerage Co. Inc., doing business as Southgate Foods Co., Norfolk, Va. Canned vegetables, prepared mustard and mustard bran, etc. 539,308, Mar. 13; Serial No. 584,086, published Nov. 21, 1950. Class 46.

Southgate Foods Co.: *See*—
Southgate Brokerage Co. Inc.

Specialty Candy Company, Baltimore, Md. Candy. 539,182, Mar. 13; Serial No. 547,675, published July 5, 1949. Class 46.

Specialty Candy Company, Baltimore, Md. Candy. 539,249, Mar. 13; Serial No. 572,777, published Aug. 8, 1950. Class 46.

Spencer, Caroline V., doing business under the name Spencer Laboratories, Shelby, Mont. Medicinal preparation. 539,418, Mar. 13; Serial No. 594,861, published Dec. 26, 1950. Class 18.

Spencer Laboratories: *See*—
Spencer, Caroline V.

Sprague Electric Company, North Adams, Mass. Alkaline primary cells. 539,265, Mar. 13; Serial No. 574,794, published Nov. 28, 1950. Class 21.

Standard Electric Company, Inc., San Antonio, Tex. Storage batteries. 539,410, Mar. 13; Serial No. 593,941, published Nov. 28, 1950. Class 21.

Standard Insulation Company, East Rutherford, N. J. Insulating tapes, varnished cloth, papers, etc. 539,311, Mar. 13; Serial No. 584,164, published Dec. 12, 1950. Class 21.

Stearns Coal & Lumber Company, Inc., Stearns, Ky. Coal. 283,055–7, renewed May 12, 1951. O. G. Mar. 13. Class 1.

Sterling Drug Inc., New York, N. Y. Agricultural antiseptic and inhibiting agent. 539,252, Mar. 13; Serial No. 573,012, published Dec. 19, 1950. Class 6.

Stevens, J. P., & Co., Inc., New York, N. Y. Denim fabrics. 539,233, Mar. 13; Serial No. 566,187, published Dec. 5, 1950. Class 42.

Stokes, F. J., Machine Company, Philadelphia, Pa. Desiccating apparatus. 539,208–9, Mar. 13; Serial Nos. 558,256–7, published Dec. 12, 1950. Class 23.

Stove, Roy C., & Company, Chicago, Ill. Electric ultra-violet ray lamp fixture. 539,210, Mar. 13; Serial No. 558,602, published Dec. 19, 1950. Class 21.

Stutson, Willis, doing business as Tough-Ite Proces, Hollywood, Calif. Lubrication impregnating treatment. 539,442, Mar. 13; Serial No. 578,233, published Sept. 12, 1950. Class 106.

Sunbeam Corporation, Chicago, Ill. Electric toasters. 539,425, Mar. 13; Serial No. 595,691, published Dec. 19, 1950. Class 21.

Sunvic Controls Limited, London and Strand, London, England. Regulating electric switch. 539,429, Mar. 13; Serial No. 596,368, published Dec. 19, 1950. Class 21.

Sutherland Paper Company, Kalamazoo, Mich. Cartons. 539,464, Mar. 13; Serial No. 568,689. Class 2.

Takahashi, C. T., doing business as C. T. Takahashi & Co., Seattle, Wash. Canned crab meat. 539,325, Mar. 13; Serial No. 585,729, published Dec. 5, 1950. Class 46.

Takahashi, C. T., & Co.: *See*—
Takahashi, C. T.

Tarkio Molasses Feed Co., Kansas City, Mo. Stock feed. 539,235, Mar. 13; Serial No. 568,008, published Oct. 24, 1950. Class 46.

Tel-E-Lect Products, Inc., Minneapolis, Minn. Pole hole diggers. 539,299, Mar. 13; Serial No. 581,779, published Nov. 7, 1950. Class 23.

Teofani & Co., Limited, to Teofani Limited, London, England. Cigarettes, cigars, smoking tobacco, etc. 80,449, re-renewed Dec. 20, 1950. O. G. Mar. 13. Class 17.

Teofani Limited: *See*—
Teofani & Co., Limited.

Textile Mills Company, Chicago, Ill. Ironing board pads and ironing board covers. 539,260, Mar. 13; Serial No. 573,994, published Dec. 12, 1950. Class 24.

Textile Mills Company, Chicago, Ill. Ironing board pads and ironing board covers. 539,275, Mar. 13; Serial No. 578,110, published Nov. 14, 1950. Class 24.

Thermo-Fluf Insulation Company: *See*—
Graham, G. Milo.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 539,347–8, Mar. 13; Serial Nos. 588,191–2, published Dec. 5, 1950. Class 42.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 539,350, Mar. 13; Serial No. 588,336, published Dec. 5, 1950. Class 42.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 539,375, Mar. 13; Serial No. 589,925, published Dec. 5, 1950. Class 42.

Tillotson Manufacturing Company, The, Toledo, Ohio. Carburetors. 539,150, Mar. 13; Serial No. 519,425, published Nov. 7, 1950. Class 23.

Tintz Company, Chicago, Ill. Hair curling preparation. 539,465, Mar. 13; Serial No. 569,491. Class 51.

Tioga Mills, Inc., Waverly, N. Y. Poultry grain, dry-mash chick feed and stock feed. 391,171, Oct. 28, 1941. Republished Mar. 13. Class 46.

Tobin Packing Co., Inc., Rochester and Albany, N. Y. Boned, cured and smoked meat products. 539,211, Mar. 13; Serial No. 558,970, published Nov. 21, 1950. Class 46.

Tobin Packing Co., Inc., Rochester and Albany, N. Y. Hams, bacon, bologna sausage, and pork sausage. 539,212, Mar. 13; Serial No. 558,971, published Dec. 26, 1950. Class 46.

Toolmasters Limited, Hillingdon Heath, England. Copying machines. 539,220, Mar. 13; Serial No. 563,440, published Nov. 21, 1950. Class 23.

Tough-Ite Process: *See*—
Stutson, Willis.

Transcontinental & Western Air, Inc., Kansas City, Mo. Air transportation. 539,453, Mar. 13; Serial No. 594,297, published Dec. 26, 1950. Class 105.

Triangle Publications, Inc.: *See*—
Morning Telegraph, Inc.

Troy, Ellen, New York, N. Y. Ladies' hosiery. 539,399, Mar. 13; Serial No. 592,529, published Dec. 5, 1950. Class 39.

Truckstell Manufacturing Company, Cleveland, Ohio. Overdrive transmissions. 539,225, Mar. 13; Serial No. 565,089, published Nov. 7, 1950. Class 23.

Turco Products, Inc., Los Angeles, Calif. Abrasive and detergent cleaning compounds. 281,541, renewed Mar. 24, 1951. O. G. Mar. 13. Class 4.

Ultra Manufacturing Co.: *See*—
Gringer, Rose.

United Artists Corporation, New York, N. Y. Motion pictures. 278,175, renewed Dec. 9, 1950. O. G. Mar. 13. Class 26.

United States Department of the Army, Washington, D. C. Informational, deucational, and entertainment services. 539,444, Mar. 13; Serial No. 578,943, published Feb. 14, 1950. Class 107.

United States Electric Mfg. Corp., New York, N. Y. Electrical supplies. 539,206, Mar. 13; Serial No. 556,933, published Dec. 5, 1950. Class 21.

United States Playing Card Company, The: *See*—
Russell Playing Card Company.

United States Rubber Company: *See*—
New York Belting & Packing Company Ltd.

United States Rubber Company, New York, N. Y. Vehicle tires. 277,822, Nov. 25, 1930. Republished Mar. 13. Class 35.

United States Rubber Company, New York, N. Y. Rubber tires and inner tubes. 278,257, Dec. 9, 1930. Republished Mar. 13. Class 35.

United Wallpaper, Inc., Chicago, Ill. Plastic coated fabric. 539,300, Mar. 13; Serial No. 582,112, published Dec. 5, 1950. Class 42.

Upland Citrus Ass'n., to Upland Citrus Association, Upland, Calif. Oranges and grapefruit. 81,647, re-renewed Apr. 25, 1951. O. G. Mar. 13. Class 46.

Upland Citrus Association: *See*—
Upland Citrus Ass'n.

Vascular Pharmaceutical Company, Inc., Roslyn Heights, N. Y. Ethically sold preparation for the treatment of arteriosclerosis. 539,340, Mar. 13; Serial No. 587,514, published Dec. 26, 1950. Class 18.

Vascular Pharmaceutical Company, Inc., Roslyn Heights, N. Y. Ethically sold preparation. 539,341, Mar. 13; Serial No. 587,515, published Dec. 19, 1950. Class 18.

Velodent Products Manufacturing Co., Inc., New York, N. Y. Rodenticides. 539,290, Mar. 13; Serial No. 580,159, published Dec. 19, 1950. Class 6.

Verde, Charles D., doing business as Hairspring Vibrating Co., Union City, N. J. Watch repairing and adjusting. 539,447, Mar. 13; Serial No. 586,575, published Dec. 26, 1950. Class 103.

Vernor, James, Company, Detroit, Mich. Ginger ale. 279,889, renewed Feb. 3, 1951. O. G. Mar. 13. Class 45.

Victoria Avenue Citrus Association, Riverside, Calif. Fresh citrus fruits. 539,174, Mar. 13; Serial No. 544,488, published Nov. 21, 1950. Class 46.

Vincennes Packing Corporation: *See*—
Dyer, William W.

Vita Food Products, Inc., Chicago, Ill. Bottled food products. 539,279, Mar. 13; Serial No. 578,426, published Oct. 24, 1950. Class 46.

Volf, Christian A., Beverly Hills, Calif. Phonograph records. 539,403, Mar. 13; Serial No. 593,622, published Dec. 26, 1950. Class 36.

Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Carpet sweepers. 539,386, Mar. 13; Serial No. 591,003, published Dec. 5, 1950. Class 23.

Wagner Electric Corporation, St. Louis, Mo. Hydraulic brake fluid. 539,296, Mar. 13; Serial No. 581,542, published Dec. 26, 1950. Class 6.

Walker Process Equipment Inc., Aurora, Ill. Equipment for treating sewage and other water-borne waste, etc. 539,169, Mar. 13; Serial No. 540,503, published Nov. 21, 1950. Class 23.

Wander Company, The, Chicago, Ill. High protein supplement. 539,357, Mar. 13; Serial No. 588,612, published Dec. 19, 1950. Class 18.

Wander, Dr. A., S. A., Bern, Switzerland. Medicinal preparation. 539,417, Mar. 13; Serial No. 594,820, published Dec. 26, 1950. Class 18.

Warrick, Frederic W., Grasse, France, to J. Manheimer, New York, N. Y. Essential oils, perfumes, perfumed oils, etc. 81,930, re-renewed May 16, 1951. O. G. Mar. 13. Class 51.

Wasserman, Ray, Corpus Christi, Tex. Liquid preparation for relief of prickly heat and mosquito bites. 539,281, Mar. 13; Serial No. 578,472, published Dec. 19, 1950. Class 18.

Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. 539,396, Mar. 13; Serial No. 591,969, published Dec. 5, 1950. Class 39.

Weave Masters: *See*—
Weave Masters Incorporated.

Weave Masters Incorporated, Cincinnati, Ohio, assignee of Weave Masters. Reweaving and restoration of damaged or irregular fabrics. 539,436, Mar. 13; Serial No. 527,396, published Dec. 26, 1950. Class 103.

West Manufacturing Company, New York, N. Y., to Ambroid Co., Boston, Mass. Glues. 82,039, re-renewed May 23, 1951. O. G. Mar. 13. Class 5.

Western Vegetable Distributors, Inc., Denver, Colo. Fresh vegetables. 539,368, Mar. 13; Serial No. 589,231, published Oct. 24, 1950. Class 46.

Westpfal Cutlery Co., New York, N. Y. Cutlery. 539,380, Mar. 13; Serial No. 590,472, published Nov. 28, 1950. Class 23.

Whitworth, Henry C., doing business as Whitworth Supply Company, Denver, Colo. Tractors, plows, harrows, mowers, etc. 539,259, Mar. 13; Serial No. 573,695, published Nov. 28, 1950. Class 23.

Whitworth Supply Company: *See*—
Whitworth, Henry C.

Wieboldt Stores, Inc., Chicago, Ill. Textile carpeting and rugs. 539,353, Mar. 13; Serial No. 588,415, published Dec. 5, 1950. Class 42.

Wilbert Products Co., Inc., The, New York, N. Y. Liquid protective coating wax. 524,891, May 2, 1950. Canceled Jan. 31, 1951. O. G. Mar. 13. Class 16.

Williams, Charles R., Huntsville, Ala. Advertising and entertainment services. 539,438, Mar. 13; Serial No. 535,776, published Dec. 26, 1950. Class 101.

Williams, J. H., & Co., Buffalo, N. Y. Wrenches. 539,431, Mar. 13; Serial No. 596,819, published Nov. 21, 1950. Class 23.

Wilson Brothers, Chicago, Ill. Men's neckwear. 397,518, Sept. 8, 1942. Republished Mar. 13. Class 39.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Firearms and ammunition. 36,422, re-renewed May 14, 1951. O. G. Mar. 13. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Firearms, ordnance, ammunition, etc. 36,424, re-renewed May 14, 1951. O. G. Mar. 13. Class 9.

Winter, Jack, Inc., Milwaukee, Wis. Men's, women's, boys' and girls' slacks. 539,381, Mar. 13; Serial No. 590,537, published Nov. 14, 1950. Class 39.

Wise, Stella R., New York, N. Y. Perfumes, colognes and toilet waters. 539,371, Mar. 13; Serial No. 589,490, published Nov. 28, 1950. Class 51.

Wood Chemical Company: *See*—
Wood, Frank P.

Wood, Frank P., doing business as Wood Chemical Company, Jacksonville, Fla. Preparation for the relief of colds. 539,400, Mar. 13; Serial No. 592,532, published Dec. 26, 1950. Class 18.

Woods Manufacturing Company Limited, Montreal, Quebec, Canada, and Ogdensburg, N. Y. Sleeping robes and hunting and sporting jackets for men. 589,254, Mar. 13; Serial No. 573,282, published Dec. 12, 1950. Class 39.

Work, C. F., & Sons, Inc.: *See*—
Golf Shaft & Block Company.

Yoder Company, The, Cleveland, Ohio. Tube forming mills, cut-off machines, press-type cut-off machines, etc. 539,262, Mar. 13; Serial No. 574,400, published Nov. 14, 1950. Class 23.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof, etc. 539,294, Mar. 13; Serial No. 581,230, published Dec. 5, 1950. Class 21.

Zonite Products Corporation, New York, N. Y. Diaper pants. 539,280, Mar. 13; Serial No. 578,430, published Dec. 5, 1950. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks. May Seed & Nursery Co. 539,435, Mar. 13; Serial No. 598,738, published Dec. 5, 1950.

Coal. Stearns Coal & Lumber Company, Inc. 283,055–7, renewed May 12, 1951. O. G. Mar. 13.

Polymeric material. Dewey and Almy Chemical Company. 421,159, May 21, 1946. Republished Mar. 13.

CLASS 2

Cartons. Sutherland Paper Company. 539,464, Mar. 13; Serial No. 568,689.

CLASS 3

Cases, Toilet or dressing, overnight bags, etc. D. Gray. 285,899, Aug. 11, 1931. Amended. O. G. Mar. 13.

Trunks, Wardrobe, hat and shoe trunks, steamer trunks, etc. The Belber Trunk & Bag Company. 283,023, renewed May 12, 1951. O. G. Mar. 13.

CLASS 4

Cleaning compounds, Abrasive and detergent. Turco Products, Inc. 281,541, renewed Mar. 24, 1951. O. G. Mar. 13.

Compounds for buffing, polishing, burnishing and finishing metallic and other surfaces, etc. The Lea Manufacturing Company. 539,247, Mar. 13; Serial No. 572,434, published June 27, 1950. (Consolidated Certificate, Classes 4 and 6.)

Soap. D. Gray. 284,053, June 16, 1931. Amended. O. G. Mar. 13.

Wax compounds, Liquid. Luxury Products Company. 444,434, Mar. 13; Serial No. 513,666, published Nov. 14, 1950.

CLASS 5

Adhesive liquid cement. J. & J. Cash, Inc. 281,788, renewed Mar. 31, 1951. O. G. Mar. 13.

Glues. West Manufacturing Company. 82,039, re-renewed May 23, 1951. O. G. Mar. 13.

CLASS 6

Addition agents for electroplating solutions, etc. The Lea Manufacturing Company. 539,247, Mar. 13; Serial No. 572,436, published Sept. 19 1950. (Consolidated Certificate, Classes 4 and 6.)

Antiseptic and inhibiting agent, Agricultural. Sterling Drug Inc. 539,252, Mar. 13; Serial No. 573,012, published Dec. 19, 1950.

Brake fluid, Hydraulic. Wagner Electric Corporation. 539,296, Mar. 13; Serial No. 581,542, published Dec. 26, 1950.

Cleansing cream. A. F. Mack. 313,260, May 22, 1934. Canceled Feb. 9, 1951. O. G. Mar. 13.

Compacts, Filled. D. Gray. 285,634, Aug. 4, 1931. Amended. O. G. Mar. 13.

Disinfectant. Polk Miller Products Corp. 539,455, Mar. 13; Serial No. 515,788.

Dyestuffs-neutral dyeing-acid colors. Geigy Company, Inc. 281,629, renewed Mar. 24, 1951. O. G. Mar. 13.

Face powders, talcum powder, etc. D. Gray. 200,419, June 30, 1925. Amended. O. G. Mar. 13.

Poison for ants, insects, vermin and rodents. Senoret Chemical Company. 283,605, renewed June 2, 1951. O. G. Mar. 13.

Powder used to destroy ants. B. Heller & Company. 539,236, Mar. 13; Serial No. 568,793, published Dec. 19, 1950.

Product having antiseptical properties. The Hoffman-La Roche Chemical Works. 80,719, Jan. 24, 1911. New certificate. O. G. Mar. 13.

Rodenticides. Velodent Products Manufacturing Co., Inc. 539,290, Mar. 13; Serial No. 580,159, published Dec. 19, 1950.

Softening agent. Manufacture de Produits Speciaux Robert Levaux, Ingénieur & Cie. 539,266, Mar. 13; Serial No. 576,123, published Dec. 19, 1950.

Synthetic resinous materials. Irvington Varnish and Insulator Company. 539,189, Mar. 13; Serial No. 550,924, published Dec. 26, 1950.

Welding fluxes. The Sight Feed Generator Company. 444,433, Mar. 13; Serial No. 508,747, published Dec. 26, 1950.

CLASS 7

Ribbon-like material. Chicago Printed String Company. 518,903, Dec. 20, 1949. Corrected. O. G. Mar. 13.

String or tape, Wrapping. Chicago Printed String Co., Inc. 224,032, Feb. 15, 1927. Corrected. O. G. Mar. 13.

String or tape, Wrapping. Chicago Printed String Company. 428,735, Apr. 1, 1947. Corrected. O. G. Mar. 13.

String or tape, Wrapping. Chicago Printed String Company. 430,415, June 10, 1947. Corrected. O. G. Mar. 13.
Tape and ribbon. Chicago Printed String Company. 430,098, June 10, 1947. Corrected. O. G. Mar. 13.

CLASS 9

Firearms and ammunition. Winchester Repeating Arms Co. 26,422, re-renewed May 14, 1951. O. G. Mar. 13.
Firearms, ordnance, ammunition, etc. Winchester Repeating Arms Co. 36,424, re-renewed May 14, 1951. O. G. Mar. 13.

CLASS 10

Product comprising dehydrated animal manure and peat moss. Atkins & Durbrow, Inc. 278,756, Dec. 30, 1930. Republished Mar. 13.

CLASS 11

Carbon paper. Manifold Supplies Company. 539,466, Mar. 13; Serial No. 574,523.

CLASS 12

Blocks, boards, and other shapes of multicellular expanded synthetic resinous material. The Dow Chemical Company. 539,147, Mar. 13; Serial No. 514,334, published Dec. 19, 1950.
Cement, Plastic. Laclede-Christy Company. 539,470, Mar. 13; Serial No. 580,666.
Chemical compound especially suitable for use as an air-entraining agent for Portland cement concrete. Dewey and Almy Chemical Company. 409,573, Oct. 10, 1944. Republished Mar. 13.
Dimension stock and turnings of hickory, etc., Unfinished or partly-finished. Golf Shaft & Block Company. 283,366, renewed May 26, 1951. O. G. Mar. 13.
Insulation material, Building. G. M. Graham. 444,435, Mar. 13; Serial No. 521,447, published Dec. 26, 1950.
Lumber, Yellow pine, Douglas fir and western hemlock. Edward Hines Lumber Co. 539,170, Mar. 13; Serial No. 541,141, published Dec. 26, 1950.
Plywood, Fir. Douglas Fir Plywood Association. 539,454, Mar. 13; Serial No. 563,915, published Dec. 26, 1950.
Pre-assembled houses. Johnson Quality Homes, Inc. 539,469, Mar. 13; Serial No. 580,411.
Railings, Step. The R. G. Coffman Co. Inc. 539,468, Mar. 13; Serial No. 579,398.
Tile. The Martin Tile Company. 444,436, Mar. 13; Serial No. 522,231, published Dec. 26, 1950.

CLASS 13

Chains, Tire. St. Pierre Chain Corporation. 539,459, Mar. 13; Serial No. 511,139.
Drains, Floor. Josam Manufacturing Company. 539,456, Mar. 13; Serial No. 524,992.
Faucets and valves. Hotpoint Inc. 539,422, Mar. 13; Serial No. 595,321, published Dec. 19, 1950.
Hangers comprising hooks for the support of articles. H. B. Dodge and Company. 539,237, Mar. 13; Serial No. 569,438, published Dec. 19, 1950.
Hardware. All-Steel Equipment Inc. 539,222, Mar. 13; Serial No. 564,310, published Dec. 19, 1950.
Hardware. All-Steel Equipment Inc. 539,223, Mar. 13; Serial No. 564,313, published Dec. 19, 1950.
Hardware. All-Steel Equipment Inc. 539,224, Mar. 13; Serial No. 564,315, published Dec. 19, 1950.
Hardware, Builders. The Oscar C. Rixson Company. 539,474, Mar. 13; Serial No. 587,819.
Kitchen utensils. W. T. Grant Company. 539,200, Mar. 13; Serial No. 555,172, published Dec. 19, 1950.
Non-electric household pop corn poppers. The Metal Ware Corporation. 539,152, Mar. 13; Serial No. 522,206, published Dec. 19, 1950.
Sash holders. J. L. Allen. 539,482, Mar. 13; Serial No. 598,974.
Toilet seats. Herculean Appliance Corporation. 539,480, Mar. 13; Serial No. 595,542.
Wire Fabric. New York Wire Cloth Company. 283,169, renewed May 19, 1951. O. G. Mar. 13.

CLASS 15

Gasoline. The Atlantic Refining Company. 281,716, Mar. 24, 1931. Republished Mar. 13.
Gasoline. The Atlantic Refining Company. 282,406, Apr. 21, 1931. Republished Mar. 13.
Lubricants, Metal drawing compound. G. W. Richards. 274,307, Aug. 26, 1930. Republished Mar. 13.
Oils, Lubricating, lubricating oil compounds, etc. The Lubri-Graph Corporation. 275,737, renewed Sept. 30, 1950. O. G. Mar. 13.

CLASS 16

Coating wax, Liquid protective. The Wilbert Products Co., Inc. 524,891, May 2, 1950. Canceled Jan. 31, 1951. O. G. Mar. 13.
Paints, Ready-mixed and paste. The International Paint & Compositions Company, Limited. 282,603, renewed Apr. 28, 1951. O. G. Mar. 13.
Paste paint, Soft white. Edward Smith & Co., Inc. 539,186, Mar. 13; Serial No. 549,020, published Dec. 12, 1950.

CLASS 17

Cigarettes, cigars, smoking tobacco, etc. Teofani & Co., Limited. 80,449, re-renewed Dec. 20, 1950. O. G. Mar. 13.
Cigars. Parodi Cigar Company of New York, Inc. 297,672, Sept. 27, 1932. Republished Mar. 13.

CLASS 18

Adenosine triphosphate. Armour and Company. 539,393, Mar. 13; Serial No. 591,605, published Dec. 19, 1950.
Analgesic antipyretic. R. G. Dunwody & Sons, Inc. 539,257, Mar. 13; Serial No. 573,534, published Dec. 26, 1950.
Anticonvulsant agent. Abbott Laboratories. 539,406, Mar. 13; Serial No. 593,642, published Dec. 19, 1950.
Antihistamine preparation. Abbott Laboratories. 539,327, Mar. 13; Serial No. 586,228, published Dec. 19, 1950.
Anti-histamine tablets. Manhattan Drug Company. 539,372, Mar. 13; Serial No. 589,518, published Dec. 19, 1950.
Ethically sold preparation. Vascular Pharmaceutical Company, Inc. 539,341, Mar. 13; Serial No. 587,515, published Dec. 19, 1950.
Expectorant. Parke, Davis & Company. 539,202, Mar. 13; Serial No. 555,791, published May 17, 1949.
Liquid preparation for relief of prickly heat and mosquito bites. R. Wasserman. 539,281, Mar. 13; Serial No. 578,472, published Dec. 19, 1950.
Medicated jelly. Foster-Milburn Co. 539,481, Mar. 13; Serial No. 596,089.
Medicinal preparation. E. K. Cook & Co., Inc. 539,366, Mar. 13; Serial No. 589,075, published Dec. 19, 1950.
Medicinal preparation. Grant Chemical Co., Inc. 539,394, Mar. 13; Serial No. 591,618, published Dec. 19, 1950.
Medicinal preparation. The New England Industries, Inc. 539,378, Mar. 13; Serial No. 590,178, published Dec. 26, 1950.
Medicinal preparation. F. Silten. 539,302, Mar. 13; Serial No. 583,298, published Dec. 26, 1950.
Medicinal preparation. Smith, Kline & French Laboratories. 539,407–8, Mar. 13; Serial Nos. 593,692–3, published Dec. 19, 1950.
Medicinal preparation. C. V. Spencer. 539,418, Mar. 13; Serial No. 594,861, published Dec. 26, 1950.
Medicinal preparation. Dr. A. Wander, S. A. 539,417, Mar. 13; Serial No. 594,820, published Dec. 26, 1950.
Medicinal solution and pharmaceutical preparation. The Ichthyol Co. 278,443, renewed Dec. 16, 1950. O. G. Mar. 13.
Medicine for stimulation of the central nervous system, etc. Smith, Kline & French Laboratories. 539,310, Mar. 13; Serial No. 584,161, published Dec. 19, 1950.
Medicine for the treatment of anemia. Smith, Kline & French Laboratories. 539,320, Mar. 13; Serial No. 584,997, published Dec. 19, 1950.
Multivitamin and mineral product. J. L. Jones. 539,384, Mar. 13; Serial No. 590,813, published Dec. 19, 1950.
Pastilles and lozenges, Medicated. F. Ahlgrens Tekniska Fabrik Aktiebolag. 539,467, Mar. 13; Serial No. 574,666.
Pills, Laxative. Romero Drug Company. 539,190, Mar. 13; Serial No. 552,496, published Nov. 28, 1950.
Preparation for estrogenic replacement therapy. Maltbie Laboratories, Inc. 539,338, Mar. 13; Serial No. 587,495, published Dec. 19, 1950.
Preparation for the relief of colds. F. P. Wood. 539,400, Mar. 13; Serial No. 592,532, published Dec. 26, 1950.
Preparation for the treatment of arteriosclerosis, Ethically sold. Vascular Pharmaceutical Company, Inc. 539,340, Mar. 13; Serial No. 587,514, published Dec. 26, 1950.
Preparation for the treatment of coughs. K. G. Mace. 539,359, Mar. 13; Serial No. 588,695, published Dec. 26, 1950.
Protein supplement, High. The Wander Company. 539,357, Mar. 13; Serial No. 588,612, published Dec. 19, 1950.
Remedy for the improvement of the blood. L. Graux. 81,605, re-renewed Apr. 25, 1951. O. G. Mar. 13.
Tablets containing hormone substances. Schering Corporation. 539,239, Mar. 13; Serial No. 569,643, published Dec. 19, 1950.
Tablets for use as a vascular protective, etc. Schenley Laboratories, Inc. 539,335, Mar. 13; Serial No. 587,358, published Dec. 19, 1950.

CLASS 19

Bicycles and structural parts thereof. The Firestone Tire & Rubber Company. 378,241, June 4, 1940. Canceled Feb. 16, 1951. O. G. Mar. 13.

CLASS 21

Air sanitizing apparatus. American Health Air Systems, Incorporated. 539,402, Mar. 13; Serial No. 593,045, published Dec. 5, 1950.
Alarm signalling apparatus, Electric visible and audible. Crouse-Hinds Company. 539,196, Mar. 13; Serial No. 552,845, published Dec. 5, 1950.
Alkaline primary cells. Sprague Electric Company. 539,265, Mar. 13; Serial No. 574,794, published Nov. 28, 1950.

Amplifiers, Audio frequency electronic; automatic program controlled sound systems, etc. Schulmerich Electronics, Incorporated. 539,248, Mar. 13; Serial No. 572,455, published Dec. 5, 1950.
Batteries and flashlights, Electric storage. Belknap Hardware and Manufacturing Company. 539,392, Mar. 13; Serial No. 591,549, published Dec. 5, 1950.
Batteries, Storage. Standard Electric Company, Inc. 539,410, Mar. 13; Serial No. 593,941, published Nov. 28, 1950.
Batteries, Storage, battery cables, automobile fuses, etc. Phillips Petroleum Company. 539,245, Mar. 13; Serial No. 571,743, published Dec. 5, 1950.
Broiler. Milroy Enterprises Inc. 539,278, Mar. 13; Serial No. 578,399, published Dec. 5, 1950.
Circuit breakers, shunts, transformers, and electric capacitors. Sangamo Electric Company. 539,306, Mar. 13; Serial No. 583,550, published Dec. 19, 1950.
Connectors and component parts thereof, Electrical. Breeze Corporations, Inc. 539,463, Mar. 13; Serial No. 568,150.
Dryer, Cabinet type fire hose. The Circul-Air Corporation. 539,219, Mar. 13; Serial No. 562,985, published Dec. 5, 1950.
Electric bed sheets. Pacific Mills. 539,475, Mar. 13; Serial No. 588,381.
Electrical resistors. Continental Carbon, Inc. 539,430, Mar. 13; Serial No. 596,484, published Dec. 12, 1950.
Electrical supplies. United States Electric Mfg. Corp. 539,206, Mar. 13; Serial No. 556,933, published Dec. 5, 1950.
Electrostatic filters. Air-Maze Corporation. 539,234, Mar. 13; Serial No. 566,488, published Dec. 12, 1950.
Flash lights. Bond Electric Corporation. 283,098, renewed May 19, 1951. O. G. Mar. 13.
Flashlights. Micro-Lite Company, Inc. 539,286, Mar. 13; Serial No. 579,197, published Dec. 19, 1950.
Floor machines, Electrical portable. Holt Manufacturing Company. 539,282, Mar. 13; Serial No. 578,504, published Dec. 12, 1950.
Fuses and receptacles therefor. Economy Fuse and Manufacturing Company. 539,409, Mar. 13; Serial No. 593,791, published Dec. 5, 1950.
Heaters, Automatic electric water. National Steel Construction Co. 539,424, Mar. 13; Serial No. 595,548, published Dec. 12, 1950.
Heaters, Electric room. Kmpp-Monarch Company. 539,217, Mar. 13; Serial No. 561,194, published Dec. 19, 1950.
Hoists, Electrically driven. Manning, Maxwell & Moore, Inc. 539,161, Mar. 13; Serial No. 537,602, published Dec. 5, 1950.
Indicators, Electrical down. W. F. Musch. 539,421, Mar. 13; Serial No. 595,273, published Dec. 12, 1950.
Insulating board, Electrical. Laminated Plastics, Inc. 539,298, Mar. 13; Serial No. 581,670, published Dec. 19, 1950.
Insulating tapes, varnished cloth, papers, etc. Standard Insulation Company. 539,311, Mar. 13; Serial No. 584,164, published Dec. 12, 1950.
Insulating varnishes, Electrical. Hockaday, Inc. 539,148, Mar. 13; Serial No. 515,560, published Nov. 28, 1950.
Lamp and bracket assembly, Electric. S & M Products. 539,355, Mar. 13; Serial No. 588,455, published Dec. 5, 1950.
Lamp fixture, Electric ultra-violet ray. Roy C. Stove & Company. 539,210, Mar. 13; Serial No. 558,602, published Dec. 19, 1950.
Lighting equipment, Electric decorative. The Glolite Corporation. 539,243, Mar. 13; Serial No. 571,526, published Dec. 5, 1950.
Lighting fixtures and parts thereof, Fluorescent. Day-Brite Lighting, Inc. 539,273, Mar. 13; Serial No. 577,663, published Dec. 19, 1950.
Loud speakers and parts therefor, Outdoor. Drive In Theatre Equipment Co., Inc. 539,477, Mar. 13; Serial No. 590,429.
Motors, Electric. Oak Electric Motors, Inc. 539,284, Mar. 13; Serial No. 578,886, published Dec. 12, 1950.
Radio and television receivers and fixed and variable capacitors for radio and television receivers. Arco Electronics, Inc. 539,433, Mar. 13; Serial No. 597,055, published Dec. 19, 1950.
Radio and television receiving sets and parts thereof, etc. Zenith Radio Corporation. 539,294, Mar. 13; Serial No. 581,230, published Dec. 5, 1950.
Radio receiving sets, television receiving sets, combination radio and record players, etc. Mercantile Stores Company, Inc. 539,276, Mar. 13; Serial No. 578,156, published Nov. 28, 1950.
Ranges, Electric. Philco Corporation. 539,295, Mar. 13; Serial No. 581,353, published Dec. 19, 1950.
Ranges, Electric, electric water-heaters, electric space-heaters, etc. Phillips & Buttorff Mfg. Co. 539,420, Mar. 13; Serial No. 595,149, published Dec. 12, 1950.
Sirens, Electrical. C. P. Meussdorffer. 280,807, renewed Mar. 3, 1951. O. G. Mar. 13.
Supports for theatre and studio lights, microphones, etc., Vertically adjustable depending. Display Lighting, Incorporated. 539,322, Mar. 13; Serial No. 585,158, published Dec. 12, 1950.
Switch, Regulating electric. Sunvic Controls Limited. 539,429, Mar. 13; Serial No. 596,368, published Dec. 19, 1950.
Switches, High voltage power line. W. N. Matthews Corporation. 539,411, Mar. 13; Serial No. 594,228, published Dec. 5, 1950.
Switches, Vehicle direction signal. Signal-Stat Corporation. 539,419, Mar. 13; Serial No. 594,922, published Dec. 19, 1950.
Television receiving sets. Eagle Electronics, Inc. 539,272, Mar. 13; Serial No. 576,962, published Nov. 28, 1950.
Toasters, Electric. Sunbeam Corporation. 539,425, Mar. 13; Serial No. 595,691, published Dec. 19, 1950.
Tools, Power. Albertson & Company, Inc. 539,261, Mar. 13; Serial No. 574,180, published Aug. 29, 1950.
Vacuum cleaners, Electric. Bond Vacuum Stores, Inc. 539,250, Mar. 13; Serial No. 572,828, published Dec. 12, 1950.
Wire and cable, Bare and insulated electric. Kennecott Wire and Cable Company. 539,414, Mar. 13; Serial No. 594,473, published Dec. 19, 1950.
Wire cable. The Lincoln Electric Company. 539,391, Mar. 13; Serial No. 591,498, published Nov. 28, 1950.

CLASS 22

Playing cards. Russell Playing Card Company. 278,638, renewed Dec. 23, 1950. O. G. Mar. 13.

CLASS 23

Bearings, Ball, roller bearings. Soc. Anon. Officine di Villar Perosa. 266,938, renewed Feb. 11, 1950. O. G. Mar. 13.
Bits, Diamond. J. K. Smit & Sons, Inc. 388,339, June 17, 1941. Canceled Feb. 14, 1951. O. G. Mar. 13.
Blending and mixing machines, Industrial. B. F. Gump Co. 539,241, Mar. 13; Serial No. 570,776, published Nov. 28, 1950.
Brake shoe bonding kit. Dura-Bond, Incorporated. 539,191, Mar. 13; Serial No. 552,584, published Nov. 28, 1950.
Chain sprockets, Roller and silent; speed reducers; machine gears, etc. Illinois Gear & Machine Company. 539,226–7, Mar. 13; Serial Nos. 565,265–6, published Dec. 5, 1950.
Conveyors, Portable power belt. The Rapids-Standard Company, Inc. 539,229, Mar. 13; Serial No. 565,370, published Nov. 14, 1950.
Copying machines. Toolmasters Limited. 539,220, Mar. 13; Serial No. 563,440, published Nov. 21, 1950.
Couplings, Oscillating. Flexentrik Co. 539,423, Mar. 13; Serial No. 595,372, published Nov. 28, 1950.
Cutlery. Westpfal Cutlery Co. 539,380, Mar. 13; Serial No. 590,472, published Nov. 28, 1950.
Desiccating apparatus. F. J. Stokes Machine Company. 539,208–9, Mar. 13; Serial Nos. 558,256–7, published Dec. 12, 1950.
Dispensing machines, Hand-operated glue. W. E. Bader. 539,287, Mar. 13; Serial No. 579,369, published Nov. 7, 1950.
Dump bodies and hoists, Hydraulically operated. Central Ohio Steel Products Company. 539,154, Mar. 13; Serial No. 526,880, published Nov. 14, 1950.
Edger booster. Optical Devices, Incorporated. 539,171, Mar. 13; Serial No. 542,644, published Nov. 14, 1950.
Engines, Gas, oil engines, pumps, etc. Cooper-Bessemer Corporation. 539,187, Mar. 13; Serial No. 549,053, published Dec. 19, 1950.
Engines, Internal combustion, etc. Continental Motors Corporation. 539,240, Mar. 13; Serial No. 569,817, published Dec. 5, 1950.
Equipment for treating sewage and other water-borne waste, etc. Walker Process Equipment Inc. 539,169, Mar. 13; Serial No. 540,503, published Nov. 21, 1950.
Files. Heller Brothers Company. 539,427, Mar. 13; Serial No. 595,055, published Nov. 28, 1950.
Fire extinguishers and parts thereof, Hand operated. National Cylinder Gas Company. 539,285, Mar. 13; Serial No. 579,047, published Nov. 28, 1950.
Fire extinguishers, Portable. Elkhart Brass Manufacturing Company, Inc. 539,277, Mar. 13; Serial No. 578,380, published Nov. 14, 1950.
Fumigator, Hand-operated soil. Neil A. Maclean Company. 539,242, Mar. 13; Serial No. 570,903, published Dec. 19, 1950.
Guides, pulleys, eyes, etc. Page-Madden Company, Inc. 539,401, Mar. 13; Serial No. 592,833, published Nov. 7, 1950.
Hand-operated machines and appliances. Dazey Corporation. 539,274, Mar. 13; Serial No. 578,009, published Nov. 21, 1950.
Harrows, Disc. Farm Tools, Inc. 539,143, Mar. 13; Serial No. 488,209, published Nov. 14, 1950.
Knives, Bandage, burn-off knives, casing knives, etc. Pioneer Tool Company, Inc. 539,316–17, Mar. 13; Serial Nos. 584,692–3, published Nov. 7, 1950.
Knives, Pocket. Colonial Knife Company, Inc. 539,205, Mar. 13; Serial No. 556,417, published Nov. 14, 1950.
Knotters, Hand operated weavers'. A. B. Carter, Incorporated. 539,377, Mar. 13; Serial No. 590,139, published Dec. 19, 1950.
Lathes. Seneca Falls Machine Company. 539,197, Mar. 13; Serial No. 554,262, published Nov. 14, 1950.
Locomotives, Railroad. The Fate-Root-Heath Company. 539,177, Mar. 13; Serial No. 545,112, published Nov. 21, 1950.

Lubricating system, Unified. Bowen Products Corporation. 539,159, Mar. 13; Serial No. 534,596, published Nov. 21, 1950.
Machetes. Chas. D. Briddell, Inc. 539,288, Mar. 13; Serial No. 579,529, published Nov. 14, 1950.
Machinery and tools, Metal-working. Hill-Clarke Machinery Company. 539,168, Mar. 13; Serial No. 540,357, published Nov. 28, 1950.
Machines for applying electrical terminals. Aircraft-Marine Products Inc. 539,253, Mar. 13; Serial No. 573,108, published Nov. 21, 1950.
Mills, Tube forming, cut-off machines, press-type cut-off machines, etc. The Yoder Company. 539,262, Mar. 13; Serial No. 574,400, published Nov. 14, 1950.
Molding machines, Hand operated hamburger patty. Holly Molding Devices, Inc. 539,153, Mar. 13; Serial No. 524,462, published Nov. 14, 1950.
Pole hole diggers. Tel-E-Lect Products, Inc. 539,299, Mar. 13; Serial No. 581,779, published Nov. 7, 1950.
Power transmission units. R. G. Le Tourneau, Inc. 539,164, Mar. 13; Serial No. 538,299, published Nov. 14, 1950.
Pump, Return line vacuum condensation. Chicago Pump Company. 539,207, Mar. 13; Serial No. 557,898, published Nov. 21, 1950.
Pumps, Centrifugal. Claude B. Schneible Company. 539,184, Mar. 13; Serial No. 548,534, published Nov. 7, 1950.
Pumps, valves, fittings, etc., Non-self-measuring. E. C. Schleyer Pump Company, Inc. 539,356, Mar. 13; Serial No. 588,521, published Nov. 21, 1950.
Razor blades. J. P. Lesley. 539,395, Mar. 13; Serial No. 591,887, published Nov. 28, 1950.
Resilient sheet. Eastern Clay Products, Inc. 539,251, Mar. 13; Serial No. 572,956, published Nov. 7, 1950.
Saws, R. Gringer. 539,264, Mar. 13; Serial No. 574,769, published Nov. 14, 1950.
Scissors and shears. The Acme Shear Company. 278,344, renewed Dec. 16, 1950. O. G. Mar. 13.
Sewing machines. Consolidated Sewing Machine & Supply Co., Inc. 539,426, Mar. 13; Serial No. 595,828, published Nov. 21, 1950.
Sewing machines, sewing machine heads, sewing machine parts and accessories. Roman Raichert Company, Inc. 539,413, Mar. 13; Serial No. 594,334, published Nov. 28, 1950.
Shears, Barber, and shears for general household use, etc. F. M. Mitchell. 539,354, Mar. 13; Serial No. 588,445, published Dec. 5, 1950.
Shovels, Power, revolving power shovels; etc. Link-Belt Speeder Corporation. 539,379, Mar. 13; Serial No. 590,446, published Nov. 21, 1950.
Solder irons, Non-electrical. Kemode Mfg. Co., Inc. 539,271, Mar. 13; Serial No. 576,644, published Nov. 7, 1950.
Spray guns, Pneumatic. Eclipse Air Brush Co. 444,438, Mar. 13; Serial No. 524,387, published Jan. 27, 1948.
Sprayers, Unitary hand-operated. H. D. Hudson Manufacturing Company. 539,337, Mar. 13; Serial No. 587,490, published Dec. 5, 1950.
Spraying machine, Mechanical agricultural. R. A. Frahm. 539,398, Mar. 13; Serial No. 592,307, published Nov. 7, 1950.
Stapling machines. The Heller Company. 539,195, Mar. 13; Serial No. 552,771, published Sept. 19, 1950.
Stirrers, Beverage. Nu-Pro Corporation. 539,342, Mar. 13; Serial No. 587,692, published Nov. 21, 1950.
Stirring rod. L. H. Robertson. 539,228, Mar. 13; Serial No. 565,287, published Nov. 7, 1950.
Straps for textile machinery, Leather and comparable. Southern Belting Company. 539,432, Mar. 13; Serial No. 596,875, published Oct. 24, 1950.
Sweepers, Carpet. E. R. Wagner Manufacturing Company. 539,386, Mar. 13; Serial No. 591,003, published Dec. 5, 1950.
Tool joints. Hughes Tool Company. 539,156, Mar. 13; Serial No. 531,039, published Nov. 7, 1950.
Tools, Cutting-off, threading tools and toolholders, etc. J. M. Luers. 539,416, Mar. 13; Serial No. 594,719, published Nov. 21, 1950.
Tools, Machine. Kearney & Trecker Corporation. 539,403–4, Mar. 13; Serial Nos. 593,515–16, published Nov. 14, 1950.
Tools, Machine. The Lees-Bradner Company. 539,297, Mar. 13; Serial No. 581,600, published Nov. 7, 1950.
Tools, Portable hand. McGill Manufacturing Company, Inc. 539,304, Mar. 13; Serial No. 583,355, published Nov. 14, 1950.
Tractors, plows, harrows, mowers, etc. H. C. Whitworth. 539,259, Mar. 13; Serial No. 573,695, published Nov. 28, 1950.
Transmissions, Overdrive, Truckstell Manufacturing Company. 539,225, Mar. 13; Serial No. 565,089, published Nov. 7, 1950.
Trowels. Heller Brothers Company. 539,428, Mar. 13; Serial No. 595,956, published Dec. 12, 1950.
Washers, Hand-operated rotary glass. Oliver Davies, Inc. 539,204, Mar. 13; Serial No. 556,322, published Nov. 21, 1950.
Wire brushes, etc. The Osborn Manufacturing Company. 539,415, Mar. 13; Serial No. 594,656, published Dec. 5, 1950.
Wood novelties. G. M. Payson. 539,246, Mar. 13; Serial No. 571,988, published Nov. 14, 1950.
Wrenches. J. H. Williams & Co. 539,431, Mar. 13; Serial No. 596,819, published Nov. 21, 1950.
Wringer, Mop. Ideal Manufacturing Co. 539,163, Mar. 13; Serial No. 538,143, published Nov. 21, 1950.

CLASS 24

Clothespins. The Forster Manufacturing Company, Inc. 539,201, Mar. 13; Serial No. 555,745, published Mar. 7, 1950.
Ironing board pads and ironing board covers. Textile Mills Company. 539,260, Mar. 13; Serial No. 573,994, published Dec. 12, 1950.
Ironing board pads and ironing board covers. Textile Mills Company. 539,275, Mar. 13; Serial No. 578,110, published Nov. 14, 1950.
Ironing boards. Loroman Company. 539,301, Mar. 13; Serial No. 583,209, published Nov. 21, 1950.
Ironing tables, Folding. Saginaw Manufacturing Co. 539,412, Mar. 13; Serial No. 594,235, published Dec. 5, 1950.
Labels attached to garments as a part of the laundering process thereof, Identifying. Ilac Products Corp. 539,149, Mar. 13; Serial No. 517,416, published Nov. 21, 1950.
Laundry driers. Aid, Inc. 539,267, Mar. 13; Serial No. 576,245, published Nov. 14, 1950.
Press plates and pads for pressing clothes. Davis Specialties Incorporated. 539,367, Mar. 13; Serial No. 589,076, published Nov. 14, 1950.
Washing machines, Clothes, and parts thereof, and ironing machines and parts thereof. The Apex Electrical Manufacturing Company. 539,178, Mar. 13; Serial No. 545,934, published Nov. 14, 1950.
Washing machines, Clothes, ironers, and mechanical clothes driers. Automatic Washer Company. 539,461, Mar. 13; Serial No. 588,774.

CLASS 26

Motion pictures. United Artists Corporation. 278,175, renewed Dec. 9, 1950. O. G. Mar. 13.

CLASS 27

Clocks. W. Kocher. 539,478, Mar. 13; Serial No. 593,124.

CLASS 28

Necklaces, earrings, pin ornaments, etc. J. R. Finelli. 539,476, Mar. 13; Serial No. 588,568.

CLASS 29

Powder puffs, absorbent powder puffs, etc. D. Gray. 283,935, June 9, 1931. Amended. O. G. Mar. 13.

CLASS 34

Heaters, Gas water. Gas and Electric Heater Co. 275,691, renewed Sept. 30, 1950. O. G. Mar. 13.
Heaters, Gas water-supply. Gas and Electric Heater Co. 272,997, renewed July 15, 1950. O. G. Mar. 13.

CLASS 35

Hose. New York Belting & Packing Company Ltd. 80,489, Dec. 27, 1910. Republished Mar. 13.
Tires, Rubber, and inner tubes. United States Rubber Company. 278,257, Dec. 9, 1930. Republished Mar. 13.
Tires, Vehicle. United States Rubber Company. 277,822, Nov. 25, 1930. Republished Mar. 13.

CLASS 36

Phonograph records. C. A. Volf. 539,405, Mar. 13; Serial No. 593,622, published Dec. 26, 1950.

CLASS 37

Paper, Decorative wrapping, and enclosure cards. Chicago Printed String Company. 419,924, Mar. 12, 1946. Corrected. O. G. Mar. 13.
Tissues, Cleansing. D. Gray. 283,587, June 2, 1931. Amended. O. G. Mar. 13.

CLASS 38

Newspaper section, column, or department, Morning Telegraph, Inc. 282,912–3, renewed May 5, 1951. O. G. Mar. 13.
Newspapers, Daily. The Chicago Daily News Company. 129,648, Mar. 9, 1920. Republished Mar. 13.
Publication, Periodical. Industrial Medicine Publishing Company. 539,479, Mar. 13; Serial No. 594,223.
Publication, Section of a periodical. The Chicago Daily News. 374,442, Jan. 9, 1940. Republished Mar. 13.
Publication, Section of a periodical. The Chicago Daily News, Inc. 376,462, Mar. 26, 1940. Republished Mar. 13.
Seals, Printed gift, and printed enclosure cards. Chicago Printed String Company. 423,783, Sept. 10, 1946. Corrected. O. G. Mar. 13.

CLASS 39

Apparel, Men's, women's, and children's. Jantzen Knitting Mills Inc. 539,331, Mar. 13; Serial No. 586,413, published Nov. 14, 1950.

Braces, and garters. Hickok Manufacturing Co. Inc. 539,160, Mar. 13; Serial No. 535,843, published Nov. 14, 1950.
Clothing, Athletic. Malsone Sports, Inc. 539,293, Mar. 13; Serial No. 580,996, published Nov. 14, 1950.
Diaper coverings. Donovan Enterprises, Incorporated. 539,305, Mar. 13; Serial No. 583,526, published Nov. 28, 1950.
Coats, Fur. Mutation Mink Breeders Association. 539,283, Mar. 13; Serial No. 578,698, published Nov. 14, 1950.
Garments, etc., Men's, boys', and children's outer. Cohen, Goldman & Co. Inc. 283,320, renewed May 26, 1951. O. G. Mar. 13.
Garments, Outer. Excel Garment Manufacturing Company. 539,336, Mar. 13; Serial No. 587,433, published Dec. 5, 1950.
Girdles, panties, step-in corsets, etc. The H. W. Gossard Co. 367,119, May 9, 1939. Canceled Feb. 16, 1951. O. G. Mar. 13.
Gloves. The Schafer Company, Inc. 539,360, Mar. 13; Serial No. 588,773, published Dec. 19, 1950.
Gloves, Fabric. J. R. Beaton Co., Inc. 444,437, Mar. 13; Serial No. 523,511, published Dec. 5, 1950.
Gloves, Fabric work. Good Luck Glove Company. 539,155, Mar. 13; Serial No. 528,922, published Dec. 12, 1950.
Hats and caps, Men's and women's. The Frank H. Lee Company. 539,269, Mar. 13; Serial No. 576,339, published Nov. 14, 1950.
Hats, Ladies'. Walter K. Marks, Inc. 539,376, Mar. 13; Serial No. 590,026, published Nov. 14, 1950.
Hats, Ladies', misses', and children's. Goldstein Millinery Company. 539,333, Mar. 13; Serial No. 587,083, published Nov. 14, 1950.
Hats, Men's. Joseph Kanner Hat Co., Inc. 423,055, Aug. 20, 1946. Republished Mar. 13.
Hats, Men's. Level Hat Co., Inc. 355,065, Mar. 8, 1938. Republished Mar. 13.
Hats, Women's. B. C. Moore & Sons, Incorporated. 539,324, Mar. 13; Serial No. 585,390, published Nov. 14, 1950.
Hosiery. S. H. Kress and Company. 539,314, Mar. 13; Serial No. 584,405, published Nov. 28, 1950.
Hosiery. M. K. M. Hosiery Mills, Inc. 539,315, Mar. 13; Serial No. 584,588, published Nov. 28, 1950.
Hosiery. McLellan Stores Company. 539,323, Mar. 13; Serial No. 585,179, published Dec. 5, 1950.
Hosiery. Reamstown Hosiery Mills, Inc. 539,307, Mar. 13; Serial No. 583,947, published Nov. 28, 1950.
Hosiery. Wayne Knitting Mills. 539,396, Mar. 13; Serial No. 591,969, published Dec. 5, 1950.
Hosiery, Ladies'. C. W. Anderson. 539,213, Mar. 13; Serial No. 559,267, published Dec. 5, 1950.
Hosiery, Ladies'. E. Troy. 539,399, Mar. 13; Serial No. 592,529, published Dec. 5, 1950.
Neckties. Fly-Ties, Inc. 539,329, Mar. 13; Serial No. 586,272, published Nov. 14, 1950.
Neckwear, Men's. Wilson Brothers. 397,518, Sept. 8, 1942. Republished Mar. 13.
Nightgowns and slips, Misses' and women's. Juliana Lingerie, Inc. 539,203, Mar. 13; Serial No. 556,203, published May 9, 1950.
Pants, Diaper. Zonite Products Corporation. 539,280, Mar. 13; Serial No. 578,430, published Dec. 5, 1950.
Robe, Traveling, bath robe, and beach robe. Royal Robes, Inc. 539,334, Mar. 13; Serial No. 587,159, published Nov. 14, 1950.
Robes, Sleeping, and hunting and sporting jackets for men. Woods Manufacturing Company Limited. 539,254, Mar. 13; Serial No. 573,282, published Dec. 12, 1950.
Shirts and blouses, Ladies'. Loomtogs, Inc. 539,397, Mar. 13; Serial No. 592,213, published Dec. 19, 1950.
Shirts, Men's and boys'. Mylan Manufacturing Co., Inc. 539,312, Mar. 13; Serial No. 584,371, published Nov. 21, 1950.
Shirts, Outer, and collars for men and boys. Commercial Shirt Corp. 539,216, Mar. 13; Serial No. 560,988, published Nov. 14, 1950.
Shoes. Andre, Incorporated. 277,674, renewed Nov. 25, 1950. O. G. Mar. 13.
Shoes, Infants'. Hahn Shoe Mfg. Co. 444,439, Mar. 13; Serial No. 526,225, published Dec. 19, 1950.
Shoes, Young ladies'. Huth & James Shoe Co. 357,425, June 7, 1938. Republished Mar. 13.
Slacks, Men's, women's, boys' and girls'. Jack Winter, Inc. 539,381, Mar. 13; Serial No. 590,537, published Nov. 14, 1950.
Slips, nightgowns, corsets, etc. Sears, Roebuck and Co. 539,146, Mar. 13; Serial No. 512,710, published Dec. 19, 1950.
Stockings, Nylon. Rudolph Kellerman, Inc. 539,313, Mar. 13; Serial No. 584,402, published Nov. 28, 1950.
Sweaters. Roosevelt Mills, Incorporated. 539,270, Mar. 13; Serial No. 576,424, published Dec. 12, 1950.
Sweaters for ladies, misses, and children, Knitted. Fleetwood Sportwear, Inc. 539,319, Mar. 13; Serial No. 584,807, published Dec. 5, 1950.
Trousers for men and boys. Perfect Trouser Co. 539,238, Mar. 13; Serial No. 569,531, published Nov. 21, 1950.
Underwear and lingerie, Misses' or junior misses'. Martha Maid Mfg. Co. 539,157, Mar. 13; Serial No. 532,849, published June 15, 1948.
Underwear, hosiery, nightgowns, etc., Women's. Dutchess Textile & Hosiery Co. 539,173, Mar. 13; Serial No. 544,070, published June 28, 1949.
Wearing apparel for ladies, misses, and children. Fischer Kiddie Coat Corporation. 539,473, Mar. 13; Serial No. 587,258.
Wearing apparel for men and boys. The Puritan Knitting Mills, Inc. 539,218, Mar. 13; Serial No. 561,589, published Nov. 14, 1950.

CLASS 40

Hair curling devices, Non-electric. Gaylord Products, Incorporated. 431,759, Aug. 5, 1947. Republished Mar. 13.

CLASS 42

Carpeting and rugs, Textile. Wieboldt Stores, Inc. 539,353, Mar. 13; Serial No. 588,415, published Dec. 5, 1950.
Carpets and rugs, Textile. C. H. Masland & Sons. 539,345, Mar. 13; Serial No. 588,101, published Dec. 5, 1950.
Cotton ribbon. Chicago Printed String Company. 431,726, Aug. 5, 1947. Corrected. O. G. Mar. 13.
Duck designed for lining shoes or other articles. Farnsworth, Hoyt & Co. 35,715, re-renewed Jan. 8, 1951. O. G. Mar. 13.
Fabric, Plastic coated. United Wallpaper, Inc. 539,300, Mar. 13; Serial No. 582,112, published Dec. 5, 1950.
Fabrics. Celanese Corporation of America. 283,163, renewed May 19, 1951. O. G. Mar. 13.
Fabrics, Cotton, linen, rayon, etc., textile. Merit Textile Fabrics Inc. 539,385, Mar. 13; Serial No. 590,938, published Dec. 5, 1950.
Fabrics, Denim. J. P. Stevens & Co., Inc. 539,233, Mar. 13; Serial No. 566,187, published Dec. 5, 1950.
Fabrics in the piece. Charmette Fabrics Company, Inc. 539,460, Mar. 13; Serial No. 558,697.
Fabrics in the piece. Crompton Company. 539,214, Mar. 13; Serial No. 559,789, published Dec. 5, 1950.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 539,369, Mar. 13; Serial No. 589,256, published Dec. 5, 1950.
Fabrics in the piece, Textile. Hego Fabrics, Inc. 539,330, Mar. 13; Serial No. 586,279, published July 18, 1950.
Fabrics in the piece, Textile, and veilings, nettings, and lace piece goods. Oppenheim & Baruch, Inc. 539,389, Mar. 13; Serial No. 591,185, published Dec. 5, 1950.
Fabrics, Pyroxylin-coated. Columbus Coated Fabrics Corporation. 282,480, renewed Apr. 21, 1951. O. G. Mar. 13.
Fabrics, Textile. Indian River Fabrics, Inc. 539,361, Mar. 13; Serial No. 588,802, published Dec. 5, 1950.
Fabrics, Upholstery and drapery. Nathan Cohen Upholstery & Drapery Fabrics, Inc. 539,289, Mar. 13; Serial No. 580,122, published Dec. 5, 1950.
Piece goods. Charles Bernstein & Son. 539,370, Mar. 13; Serial No. 589,418, published Dec. 5, 1950.
Piece goods. Fabric Prints, Inc. 539,363–5, Mar. 13; Serial Nos. 589,013–15, published Dec. 5, 1950.
Piece goods. J. Rosenholz, Inc. 539,434, Mar. 13; Serial No. 598,040, published Dec. 5, 1950.
Piece goods, Corduroy. Schein Woolen Corp. 539,390, Mar. 13; Serial No. 591,256, published Dec. 5, 1950.
Sheets. Pacific Mills. 539,291, Mar. 13; Serial No. 580,256, published Dec. 5, 1950.
Sheets and sheetings, Textile. Pepperell Manufacturing Company. 279,709, renewed Jan. 20, 1951. O. G. Mar. 13.
Sheets, Bed. Thomaston Cotton Mills. 539,347–8, Mar. 13; Serial Nos. 588,191–2, published Dec. 5, 1950.
Sheets, Bed. Thomaston Cotton Mills. 539,350, Mar. 13; Serial No. 588,336, published Dec. 5, 1950.
Sheets, Bed. Thomaston Cotton Mills. 539,375, Mar. 13; Serial No. 589,925, published Dec. 5, 1950.

CLASS 44

Electro-medical apparatus. Bedford Surgical Co., Inc. 377,911, May 21, 1940. Canceled Jan. 26, 1951. O. G. Mar. 13.
Patters for the skin and tissue and reducing chin strap. D. Gray. 283,555, June 2, 1931. Amended. O. G. Mar. 13.
Permanent waving kit, Home. The Procter & Gamble Company. 539,215, Mar. 13; Serial No. 560,500, published Dec. 12, 1950.
Prophylactic rubber articles. L. Hilsenbeck, Inc. 278,195, renewed Dec. 9, 1950. O. G. Mar. 13.
Sanitary napkins. Friends Corporation. 275,791; renewed Sept. 30, 1950. O. G. Mar. 13.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. C. A. Peeler. 281,599, renewed Mar. 24, 1951. O. G. Mar. 13.
Ginger ale. James Vernor Company. 279,889, renewed Feb. 3, 1951. O. G. Mar. 13.
Juices and extracts, Fruit. Polak & Schwarz. 278,749–50, renewed Dec. 30, 1950. O. G. Mar. 13.

CLASS 46

Abalone, Canned. O. Y. Look. 539,362, Mar. 13; Serial No. 588,808, published Oct. 24, 1950.

Bacon. Armour and Company. 539,166, Mar. 13; Serial No. 540,144, published Dec. 5, 1950.
Bacon, frankfurters, ham, etc. Hygrade Food Products Corporation. 539,179, Mar. 13; Serial No. 546,303, published Nov. 7, 1950.
Bakery products. National Biscuit Company. 539,144, Mar. 13; Serial No. 500,117, published Sept. 19, 1950.
Breading mix. Modern Maid Food Products. 539,457, Mar. 13; Serial No. 529,915.
Butter. Armour and Company. 539,158, Mar. 13; Serial No. 533,834, published Nov. 28, 1950.
Butter, fresh eggs, and cheese. Hygrade Food Products Corporation. 539,321, Mar. 13; Serial No. 585,119, published Nov. 14, 1950.
Butter, whole eggs, and cheese. The Cudahy Packing Company. 539,303, Mar. 13; Serial No. 583,333, published Nov. 21, 1950.
Candy. E. J. Brach & Sons. 539,183, Mar. 13; Serial No. 547,891, published Oct. 31, 1950.
Candy. N. A. Elsdon. 276,752, renewed Oct. 28, 1950. O. G. Mar. 13.
Candy. Norris Inc. 279,906, renewed Feb. 3, 1951. O. G. Mar. 13.
Candy. Specialty Candy Company. 539,182, Mar. 13; Serial No. 547,675, published July 5, 1949.
Candy. Specialty Candy Company. 539,249, Mar. 13; Serial No. 572,777, published Aug. 8, 1950.
Candy and candied nuts. L. Marks. 282,377, renewed Apr. 21, 1951. O. G. Mar. 13.
Canned crab meat. C. T. Takahashi. 539,325, Mar. 13; Serial No. 585,729, published Dec. 5, 1950.
Canned dog food. Orleans Canning Company. 539,339, Mar. 13; Serial No. 587,498, published Nov. 21, 1950.
Canned fish. S and P Sales Company. 539,231, Mar. 13; Serial No. 565,817, published Nov. 21, 1950.
Canned fish and lobster. Bluewater Fisheries Limited. 539,145, Mar. 13; Serial No. 506,499, published Nov. 7, 1950.
Canned food products. H. C. Bohack Co. Inc. 539,343, Mar. 13; Serial No. 587,847, published Nov. 21, 1950.
Canned fruit juices, canned bean sprouts, canned vegetable chop suey, etc. Bursley & Company, Inc. 539,318, Mar. 13; Serial No. 584,798, published Nov. 21, 1950.
Canned fruit nectars. Kulana Products Co. 539,181, Mar. 13; Serial No. 547,006, published Oct. 31, 1950.
Canned fruits and vegetables. The Kroger Co. 539,326, Mar. 13; Serial No. 586,175, published Oct. 17, 1950.
Canned fruits, canned vegetables, canned pork and peas, etc. California Sanitary Canning Co., Ltd. 384,861, Feb. 4, 1941. Republished Mar. 13.
Canned orange and grapefruit sections. Mann Bros. Canning Co. (Inc.). 539,458, Mar. 13; Serial No. 548,007.
Canned pork and beans. W. W. Dyer. 81,058, re-renewed Feb. 28, 1951. O. G. Mar. 13.
Canned vegetables, prepared mustard and mustard bran, etc. Southgate Brokerage Co., Inc. 539,308, Mar. 13; Serial No. 584,086, published Nov. 21, 1950.
Cheese. Food Fair Stores, Inc. 539,192, Mar. 13; Serial No. 552,647, published Sept. 13, 1949.
Chemical compounds, medicaments, surgical matter for men and animals, etc. Ichthyol-Gesellschaft Cordes, Hermanni & Co. 35,548, re-renewed Dec. 4, 1950. O. G. Mar. 13.
Coconut, corn meal, cracker meal, etc. American Stores Company. 539,358, Mar. 13; Serial No. 588,619, published Oct. 24, 1950.
Coffee. Dwinell-Wright Company. 281,848, renewed Mar. 31, 1951. O. G. Mar. 13.
Coffee, tea, apple butter, etc. T. C. Sharpe. 539,188, Mar. 13; Serial No. 549,585, published Oct. 24, 1950.
Cookie mix. Flako Products Corporation. 539,185, Mar. 13; Serial No. 548,944, published Nov. 7, 1950.
Cookies. Mrs. Allison's Cookie Co., Inc. 539,232, Mar. 13; Serial No. 566,113, published Oct. 24, 1950.
Corn, molasses, and sorghum syrup, Compound of. Corn Products Refining Company. 81,202, re-renewed Mar. 14, 1951. O. G. Mar. 13.
Cornstarch, Edible. Corn Products Refining Company. 281,835, renewed Mar. 31, 1951. O. G. Mar. 13.
Cranberries, Fresh. Cranberry Growers, Inc. 539,462, Mar. 13; Serial No. 567,855.
Doughnuts and the mix for making same. Krispy Kreme Doughnut Company. 539,165, Mar. 13; Serial No. 539,529, published Nov. 14, 1950.
Eggs, Fresh. Ralston Purina Company. 539,193, Mar. 13; Serial No. 552,701, published Nov. 7, 1950.
Feed for swine, poultry, and turkeys. Hubbard Milling Company. 539,374, Mar. 13; Serial No. 589,722, published Oct. 24, 1950.
Feed, Stock. Tarkio Molasses Feed Co. 539,235, Mar. 13; Serial No. 568,008, published Oct. 24, 1950.
Feeds, Prepared, mixed. Ralston Purina Company. 539,194, Mar. 13; Serial No. 552,715, published Oct. 17, 1950.
Fish, Fresh, frozen fish, canned fish, etc. The Atlantic Coast Fisheries Company. 539,346, Mar. 13; Serial No. 588,155, published Oct. 24, 1950.
Flavors, Natural and imitation. Polak & Schwarz. 279,332, renewed Jan. 13, 1951. O. G. Mar. 13.
Flavors, Natural and imitation. Polak & Schwarz. 283,016, renewed May 12, 1951. O. G. Mar. 13.
Food, Dog. Consolidated Products Company. 539,344, Mar. 13; Serial No. 587,935, published Oct. 24, 1950.
Food for tropical fish. N. Abramowitz. 539,382, Mar. 13; Serial No. 590,727, published Nov. 28, 1950.
Food products, Bottled. Vita Food Products, Inc. 539,279, Mar. 13; Serial No. 578,426, published Oct. 24, 1950.
Foods, Frozen. Beaver Brand Frozen Foods, Inc. 539,349, Mar. 13; Serial No. 588,198, published Oct. 24, 1950.
Fruits, Fresh citrus. Crafton Orange Growers Association. 539,175–6, Mar. 13; Serial Nos. 544,978–9, published Oct. 10, 1950.
Fruits, Fresh citrus. Nevins Fruit Co., Inc. 539,309, Mar. 13; Serial No. 584,147, published Oct. 10, 1950.
Fruits, Fresh citrus. The Porterville Citrus Association. 539,199, Mar. 13; Serial No. 555,012, published Dec. 5, 1950.
Fruits, Fresh citrus. San Fernando Heights Lemon Association. 539,352, Mar. 13; Serial No. 588,389, published Oct. 24, 1950.
Fruits, Fresh citrus. Victoria Avenue Citrus Association. 539,174, Mar. 13; Serial No. 544,488, published Nov. 21, 1950.
Fruits, Fresh deciduous, fresh grapes and fresh vegetables. T. Apkarian & Sons. 539,383, Mar. 13; Serial No. 590,791, published Nov. 28, 1950.
Grain, Poultry, dry-mash chick feed and stock feed. Tioga Mills, Inc. 391,171, Oct. 28, 1941. Republished Mar. 13.
Hams, bacon, bologna sausage, and pork sausage. Tobin Packing Co., Inc. 539,212, Mar. 13; Serial No. 558,971, published Dec. 26, 1950.
Jelly powders, cider vinegar, tea, etc. The Eavey Co. 278,597, renewed Dec. 23, 1950. O. G. Mar. 13.
Juice, Vegetable. Clifford and Gore, Inc. 539,268, Mar. 13; Serial No. 576,312, published Nov. 14, 1950.
Lettuce, carrots, broccoli, Fresh. L. T. Malone. 539,388, Mar. 13; Serial No. 591,175, published Dec. 5, 1950.
Macaroni. The Creamette Company. 539,198, Mar. 13; Serial No. 554,863, published Nov. 14, 1950.
Meat products, Boned, cured and smoked. Tobin Packing Co., Inc. 539,211, Mar. 13; Serial No. 558,970, published Nov. 21, 1950.
Meats and meat products. H. H. Keim Company. 539,162, Mar. 13; Serial No. 537,895, published Dec. 5, 1950.
Oranges and grapefruit. Upland Citrus Ass'n. 81,647, re-renewed Apr. 25, 1951. O. G. Mar. 13.
Peas, Early June, cut cut wax beans, cut green beans, etc. Lakeside Packing Company. 539,180, Mar. 13; Serial No. 546,852, published Nov. 21, 1950.
Salad oil. E. F. Drew & Co., Inc. 539,230, Mar. 13; Serial No. 565,545, published Dec. 5, 1950.
Salt. International Salt Company. 539,172, Mar. 13; Serial No. 543,190, published Oct. 24, 1950.
Sherbet bars, Chocolate coated. Isaly Dairy Company. 539,221, Mar. 13; Serial No. 563,935, published Nov. 7, 1950.
Sugar and syrup. The Glucose Sugar Refining Co. 36,098, re-renewed Mar. 19, 1951. O. G. Mar. 13.
Vegetables, Fresh. Western Vegetable Distributors, Inc. 539,368, Mar. 13; Serial No. 589,231, published Oct. 24, 1950.

CLASS 47

Wines. San Martina Wines, Inc. 347,711, July 6, 1937. Republished Mar. 13.

CLASS 51

Deodorant to be applied to the skin. Beauty Products, Ltd. 539,167, Mar. 13; Serial No. 540,156, published Dec. 19, 1950.
Face and hand creams, face and hand lotions, skin freshener and tonics, etc. The May Department Stores Company. 539,263, Mar. 13; Serial No. 574,716, published Nov. 28, 1950.
Hair curling preparation. Tintz Company. 539,465, Mar. 13; Serial No. 569,491.
Hair tonic. M. S. Chapell. 539,255, Mar. 13; Serial No. 573,357, published Dec. 19, 1950.
Hair tonic and a preparation for setting waves. The F. W. Fitch Company. 539,256, Mar. 13; Serial No. 573,415, published Nov. 7, 1950.
Lipstick, nail polish, and rouge. Elizabeth Arden Sales Corporation. 539,471, Mar. 13; Serial No. 582,553.
Make-up base, Facial high light. K. Hoffman. 539,244, Mar. 13; Serial No. 571,540, published Dec. 19, 1950.
Nail enamel, lipsticks, face rouge, etc. Revlon Products Corporation. 539,332, Mar. 13; Serial No. 586,431, published Dec. 26, 1950.
Nail polish, preparation for removing nail polish, and bath salts. Fort Orange Chemical Company. 281,667, renewed Mar. 24, 1951. O. G. Mar. 13.
Oils, Essential, perfumes, perfumed oils, etc. F. W. Warrick. 81,930, re-renewed May 16, 1951. O. G. Mar. 13.
Perfume and cologne. L. G. Rothchild. 539,472, Mar. 13; Serial No. 587,213.
Perfumes. N. Chini. 539,151, Mar. 13; Serial No. 519,924, published Dec. 26, 1950.
Perfumes, colognes, and toilet waters. S. R. Wise. 539,371, Mar. 13; Serial No. 589,490, published Nov. 28, 1950.
Pomade, Hair, pressing oil, cream deodorant, and bleach cream. Excleno Medicine Company. 539,328, Mar. 13; Serial No. 586,239, published Nov. 28, 1950.
Skin cream. Elisabeth Arden Sales Corporation. 539,292, Mar. 13; Serial No. 580,917, published Dec. 19, 1950.

Soap, Shaving. Rolls Razor, Inc. 539,387, Mar. 13; Serial No. 591,048, published Nov. 28, 1950.
Soap, Shaving, toilet soap, etc. P. P. Mülhens. 278,989, renewed Jan. 6, 1951. O. G. Mar. 13.
Toilet preparations. Roger & Gallet. 35,737, re-renewed Jan. 8, 1951. O. G. Mar. 13.
Toilet preparations and cosmetics. A. French. 414,482, June 12, 1945. Republished Mar. 13.
Toilet water, cologne, perfume, etc. Parfums Blanchard. 539,351, Mar. 13; Serial No. 588,382, published Nov. 28, 1950.
Wrinkle remover, Temporary. L. Napolitan. 539,258, Mar. 13; Serial No. 573,561, published Nov. 28, 1950.

CLASS 52

Cleaning composition, Dry. The Cellowax Company. 539,373, Mar. 13; Serial No. 589,560, published Dec. 26, 1950.

CLASS 100

Community services. Ruritan National. 539,448, Mar. 13; Serial No. 591,108, published Dec. 26, 1950.
Consulting, advisory, and supervisory services. Diamond Council of America. 539,440, Mar. 13; Serial No. 576,527, published Dec. 26, 1950.
Private detective investigations and property surveillance. Pinkerton's National Detective Agency, Inc. 539,452, Mar. 13; Serial No. 593,560, published Dec. 26, 1950.

CLASS 101

Advertising and entertainment services. C. R. Williams. 539,438, Mar. 13; Serial No. 535,776, published Dec. 26, 1950.
Designing and formulating retail store advertising, decorations and displays. Bliss Display Corp. 539,443, Mar. 13; Serial No. 578,315, published Dec. 26, 1950.

CLASS 102

Banking and trust services. Bankers Trust Company. 539,449, Mar. 13; Serial No. 591,712, published Dec 26, 1950.

CLASS 103

Electrical services. Cherokee Electric Company. 539,441, Mar. 13; Serial No. 576,792, published Dec. 26, 1950.
Engineering services. The Garrett Corporation. 539,439, Mar. 13; Serial No. 556,095, published Dec. 26, 1950.
Reweaving and restoration of damaged or irregular fabrics. Weave Masters Incorporated. 539,436, Mar. 13; Serial No. 527,396, published Dec. 26, 1950.
Surfacing and resurfacing exterior and interior surfaces of buildings and dwellings. Belson Company, Inc. 539,445, Mar. 13; Serial No. 585,494, published Dec. 26, 1950.
Watch repairing and adjusting. C. D. Verde. 539,447, Mar. 13; Serial No. 586,575, published Dec. 26, 1950.

CLASS 105

Air transportation. Transcontinental & Western Air, Inc. 539,453, Mar. 13; Serial No. 594,297, published Dec. 26, 1950.
Passenger and freight transportation service, Railroad. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company. 539,450, Mar. 13; Serial No. 591,942, published Dec. 26, 1950.
Porter service, General. Northwest Airlines, Inc. 539,446, Mar. 13; Serial No. 586,425, published Dec. 26, 1950.
Railroad, highway, and marine transportation. Erie Railroad Company. 539,451, Mar. 13; Serial No. 592,887, published Dec. 26, 1950.

CLASS 106

Lubrication impregnating treatment. W. Stutson. 539,442, Mar. 13; Serial No. 578,233, published Sept. 12, 1950.
Treating woolen or worsted yarn. Alrose Chemical Company. 539,437, Mar. 13; Serial No. 532,261, published Dec. 26, 1950.

CLASS 107

Informational, educational, and entertainment services. United States Department of the Army. 539,444, Mar. 13; Serial No. 578,943, published Feb. 14, 1950.

LIST OF PLANT PATENTEES

Axell, Frederick H., Mountain View, assignor to J. A. Axell & Company, San Francisco, Calif. Rose plant. 1,007, Mar. 13.

Axell, J. A., & Company, assignee: *See*—
Axell, Frederick H.

LIST OF DESIGN PATENTEES

American Chicle Company, assignee: *See*—
Fink, Phil J.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Colborn, Harold B.

Avco Manufacturing Corporation, assignee: *See*—
Reynolds, Carl, Jr.

Bailey, Bob, assignee: *See*—
Burchard, De Lois J.

Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Surveying instrument. 162,370, Mar. 13.

Bauer, George A., Milwaukee, Wis. Starch pan or the like. 162,371, Mar. 13.

Beacon Plastic & Metal Products, Inc., assignee: *See*—
Spier, Irene W.

Berman, Morton R., Brooklyn, N. Y. Toy picture framing book. 162,372, Mar. 13.

Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 162,373, Mar. 13.

Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.

Borba, William A., South San Francisco, Calif. Award trophy. 162,374, Mar. 13.

Brandon, George, New York, N. Y. Embossed embroidered fabric. 162,375, Mar. 13.

Broyles, Daniel N., Knoxville, Tenn. Shooting gallery. 162,376, Mar. 13.

Budlong, Robert D., Skokie, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine casing. 162,377, Mar. 13.

Burchard, De Lois J., assignor of one-half to B. Bailey, Russellville, Ark. Desk. 162,378, Mar. 13.

Carnegie, Toni, New York, N. Y. Suit. 162,379, Mar. 13.

Carnegie, Toni, New York, N. Y. Suit. 162,380, Mar. 13.

Carnegie, Toni, New York, N. Y. Suit. 162,381, Mar. 13.

Carroll, John, Jr., Providence, R. I. Earring attachment. 162,382, Mar. 13.

Carson, Abram, Philadelphia, Pa. Stocking. 162,383, Mar. 13.

Casady, Dorothea, West Los Angeles, assignor to G. H. Harper, Santa Monica, Calif. Figurine. 162,384, Mar. 13.

Chambers Mfg. Co., assignee. *See*—
Moanfeldt, Samuel.

Classic Weaving Corporation, assignee: *See*—
Mitschke, Walter.

Colborn, Harold B., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Badge or similar article. 162,385, Mar. 13.

Connolly, James W., Boston, Mass. Game board or similar article. 162,386, Mar. 13.

Coolerator Company, The, assignee: *See*—
Sanders, Charles W.

Cooper, Samuel L., Chicago, Ill. Combined building and display sign. 162,387, Mar. 13.

Corbett, Thomas H., Chicago, Ill. Glass washer. 162,388, Mar. 13.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Corpora, Michael, Mountain View, Calif. Combined tray, nutcracker block, and bowl. 162,389, Mar. 13.

Daisy Manufacturing Company, assignee: *See*—
Wesley, Robert O.

Dalton, Robert A., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Combined printer and drier for planographic printing plates. 162,390, Mar. 13.

Dan River Mills, Incorporated, assignee: *See*—
Norton, Charlie L., Jr.

Darrot, Paul G., Southbury, Conn., assignor to General Time Corporation, New York, N. Y. Clock. 162,391, Mar. 13.

De Felice, Victor, assignor to Kaskadusa Tool Company, Inc., Leominster, Mass. Earring holder. 162,392, Mar. 13.

Donaldson, James E., Chicago, Ill. Towel support. 162,393, Mar. 13.

Duro Chrome Corporation, assignee: *See*—
Michelson, Lawrence M.

Estfan, George T., Wichita, Kans. Power knife sharpener. 162,394, Mar. 13.

Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 162,395, Mar. 13.

Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.

Ferguson, Alan C., and A. J. La Croix, assignors to Hyde Manufacturing Company, Southbridge, Mass. Straightedge. 162,396, Mar. 13.

Fink, Phil J., San Francisco, Calif., assignor to American Chicle Company, Long Island City, N. Y. Display rack. 162,397, Mar. 13.

Fisher, Norman A., assignee: *See*—
Joyce, James B.

Fox, Kurt E.: *See*—
Hathaway, Claude M., and Fox.

Friedrich, Robert, Jr., Sewell, assignor to L'Opera Hosiery Mill, Inc., Glassboro, N. J. Stocking. 162,398, Mar. 13.

General Time Corporation, assignee: *See*—
Darrot, Paul G.

Gibbs, Robert K., Evansville, Ind., assignor to Tri-State Plastic Molding Co., Henderson, Ky. Crisper. 162,399, Mar. 13.

Gimble, Irving, and D. Musano, New York, N. Y. Brassière. 162,400, Mar. 13.

Glass, Sheldon B., Chicago, Ill. Infant's toilet seat. 162,401, Mar. 13.

Globe-Wernicke Co., The, assignee: *See*—
Thomson, Ernest F.

Gold, George, Brooklyn, N. Y. Combination package of children's panties and pencils. 162,402, Mar. 13.

Gordon, Barnett D., Brookline, Mass. Stocking. 162,403, Mar. 13.

Gregory, John B., Frederick, Okla. Pool table cover. 162,404, Mar. 13.

Gresham, James B., New York, N. Y. Bird cage. 162,405, Mar. 13.

Grossman, Harold, St. Louis, assignor to J. V. Zimmerman, Clayton, Mo. Reed mouthpiece. 162,406, Mar. 13.

Hallabrin, Ann, Detroit, Mich. Display rack. 162,407, Mar. 13.

Harper, Graham H., assignee: *See*—
Casady, Dorothea.

Hartman, Clarence F., Silverton, assignor to The Hartman-Holm Co., Norwood, Ohio. Toy ring-launching device. 162,408, Mar. 13.

Hartman-Holm Co., The, assignee: *See*—
Hartman, Clarence F.

Hathaway, Claude M., and K. E. Fox, Denver, Colo. Oscillograph case. 162,409, Mar. 13.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 162,410, Mar. 13.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.

Heisey, A. H., & Company, assignee: *See*—
Heisey, T. Clarence.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Bowl or article of similar nature. 162,411, Mar. 13.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Compartmented dressing bowl or similar article. 162,412, Mar. 13.

High, Otis L.: *See*—
Snapp, Otto L., and High.

Hyde Manufacturing Company, assignee: *See*—
Ferguson, Alan C., and La Croix.

Jorgensen, Clarence W., assignor to Superior Fastener Corporation, Chicago, Ill. Screen guard. 162,413, Mar. 13.

Joyce, James B., Alhambra, assignor to N. A. Fisher, Los Angeles, and A. B. Mull, Hemet, Calif. Bubble blower. 162,414, Mar. 13.

Kahn, Mack, Cedarhurst, N. Y. Girdle. 162,415, Mar. 13.

Kaskadusa Tool Company, Inc., assignee: *See*—
De Felice, Victor.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 162,416, Mar. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 162,417, Mar. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 162,418, Mar. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 162,419, Mar. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 162,420, Mar. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 162,421, Mar. 13.
Keuffel & Esser Company, assignee: *See*—
Baker, Allister L.
Kitzes, Samuel, New York, N. Y. Combined wallet and safety chain. 162,422, Mar. 13.
Kotchan, Charles J. P., Lynbrook, N. Y. Sled. 162,423, Mar. 13.
Kulp, Charles W., Meriden, Conn. Silverware cabinet. 162,424, Mar. 13.
La Croix, Arthur J.: *See*—
Ferguson, Alan C., and La Croix.
L'Opera Hosiery Mill, Inc., assignee: *See*—
Friedrich, Robert, Jr.
Lummus Company, The, assignee: *See*—
O'Connor, Ward J.
May Hosiery Mills, assignee: *See*—
Schwartz, Shepard B., and Blum.
Meyers, Louis G., New York, N. Y. Display rack. 162,425, Mar. 13.
Michelson, Lawrence M., Clayton, assignor to Duro Chrome Corporation, St. Louis, Mo. Booth seat. 162,426, Mar. 13.
Michelson, Lawrence M., Clayton, assignor to Duro Chrome Corporation, St. Louis, Mo. Booth seat. 162,427, Mar. 13.
Midstate Manufacturing Company, assignee: *See*—
Saunders, Harold A. and C. V.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 162,428, Mar. 13.
Monnfeldt, Samuel, assignor to Chambers Mfg. Co., New York, N. Y. Watchband. 162,429, Mar. 13.
Moore, Charlie A., Nashville, Tenn. Comb. 162,430, Mar. 13.
Mull, Arthur B., assignee: *See*—
Joyce, James B.
Musano, Daniel: *See*—
Gimble, Irving, and Musano.
Nachman Corporation, assignee: *See*—
Pollock, Julian G.
National Silver Company, assignee: *See*—
Bernstein, Milton.
Weeber, Marion.
Nelson, Robert W., Lancaster, N. Y. Necktie holder or similar article. 162,431, Mar. 13.
Newman, Robert E., Berkeley, Calif. Glasswasher tray. 162,432, Mar. 13.
Nomann, Carl E., Santa Ana, and G. R. Palm, Montebello, Calif. Grinding machine work support. 162,433, Mar. 13.
Norton, Charlie L., Jr., Danville, Va., assignor to Dan River Mills, Incorporated. Ferris wheel display rack. 162,434, Mar. 13.
Nugent, Bede S., Surry Hills, near Sydney, New South Wales, Australia. Ice-cream server. 162,435, Mar. 13.
O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console. 162,436, Mar. 13.
O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console instrument board. 162,437, Mar. 13.
O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console instrument board. 162,438, Mar. 13.
O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console instrument board. 162,439, Mar. 13.
Oetinger, Elmer F., Buffalo, N. Y. Combination bun and roll slicer. 162,440, Mar. 13.
O'Neil, William J., assignor to Underwood Corporation, New York, N. Y. Typewriting machine. 162,441, Mar. 13.
Packard, Howard A., Albany, N. Y. Ash tray. 162,442, Mar. 13.
Palm, George R.: *See*—
Nomann, Carl E., and Palm.
Parenti, Delfina, Boston, Mass. Key chain. 162,443, Mar. 13.
Parsons, John B., Maumee, Ohio. Switch. 162,444, Mar. 13.
Pastory, Roscoe J., Dallas, Tex. Serving dish or the like. 162,445, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,446, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,447, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 162,448, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 162,449, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 162,450, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,451, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,452, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,453, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,454, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,455, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,456, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,457, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 162,458, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 162,459, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,460, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,461, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,462, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,463, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,464, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,465, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,466, Mar. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 162,467, Mar. 13.
Poirier, Junior C., Duluth, Minn. Kitchen knife. 162,468, Mar. 13.
Pollock, Julian G., Philadelphia, Pa., assignor to Nachman Corporation, Chicago, Ill. Figurine. 162,469, Mar. 13.
Powell, Frank, Miami, Fla. Plaque. 162,470, Mar. 13.
Remington Rand Inc., assignee: *See*—
Dalton, Robert A.
Reynolds, Carl, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Evaporator door for a refrigerator. 162,471, Mar. 13.
Robbins & Myers, Inc., assignee: *See*—
Zimmer, George H., Jr.
Roth, Stanley, New York, N. Y. Combined stocking display case and sales counter. 162,472, Mar. 13.
Rushmore, Walter C., Denver, Colo. Figurine. 162,473, Mar. 13.
St. Pierre, Henry, Worcester, Mass. Cross chain for tire chains. 162,489, Mar. 13.
Sanders, Charles W., Greenville, Mich., assignor to The Coolerator Company, Duluth, Minn. Refrigerator cabinet. 162,474, Mar. 13.
Sanderson, Frank, Kingman, Ariz. Card game accessory. 162,475, Mar. 13.
Saunders, Carmen V.: *See*—
Saunders, Harold A. and C. V.
Saunders, Harold A. and C. V., assignors to Midstate Manufacturing Company, Denver, Colo. Live stock waterer. 162,476, Mar. 13.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,477, Mar. 13.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,478, Mar. 13.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,479, Mar. 13.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 162,480, Mar. 13.
Seeman, James, New York, N. Y. Wallpaper. 162,481, Mar. 13.
Seeman, James, New York, N. Y. Wallpaper. 162,482, Mar. 13.
Seeman, James, New York, N. Y. Wallpaper. 162,483, Mar. 13.
Seeman, James, New York, N. Y. Wallpaper. 162,484, Mar. 13.
Sheker, James W., Fort Dodge, Iowa. Carrier for vacuum cleaner attachments. 162,485, Mar. 13.

Snapp, Otto L., and O. L. High, assignors to White Castle System, Inc., Columbus, Ohio. Room service utility cart or the like. 162,486, Mar. 13.
Sorensen, Oscar M., Fernandina, Fla. Trawl net sled. 162,487, Mar. 13.
Spier, Irene W., assignor to Beacon Plastic & Metal Products, Inc., New York, N. Y. Clock. 162,488, Mar. 13.
Sundberg, Carl W., Birmingham, and Montgomery Ferar, Huntington Woods, Mich. Combined lunch kit and handbag. 162,490, Mar. 13.
Superior Fastener Corporation, assignee: *See*—
Jorgensen, Clarence W.
Sussman, Maxwell H., Kew Gardens, N. Y. Dresser or similar article of furniture. 162,491, Mar. 13.
Tarlassi, Emil, Union City, N. J., assignor to Vanguard Furniture Manufacturers, New York, N. Y. Corner furniture unit. 162,492, Mar. 13.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio. File cabinet. 162,493, Mar. 13.
Thrailkill, Orville W., Wellington, Kans. Coaster for beverage bottles or the like. 162,494, Mar. 13.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Trimble, Roy L., Bloomington, Ill. Twin baby stroller. 62,495, Mar. 13.
State Plastic Molding Co., assignee: *See*—
Gibbs, Robert K.
Underwood Corporation, assignee: *See*—
O'Neil, William J.
Vanguard Furniture Manufacturers, assignee: *See*—
Tarlassi, Emil.
Victor Adding Machine Co., assignee: *See*—
Budlong, Robert D.
Weeber, Marion, assignor to National Silver Company, New York, N. Y. Salt shaker or similar article. 162,496, Mar. 13.
Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 162,497, Mar. 13.
Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 162,498, Mar. 13.
Wesley, Robert O., assignor to Daisy Manufacturing Company, Plymouth, Mich. Target. 162,499, Mar. 13.
Wesley, Robert O., assignor to Daisy Manufacturing Company, Plymouth, Mich. Target. 162,500, Mar. 13.
White, Donald G., Vancouver, British Columbia, Canada. Coin-controlled lock. 162,501, Mar. 13.
White Castle System, Inc., assignee: *See*—
Snapp, Otto L., and High.
Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Motor-driven pump. 162,502, Mar. 13.
Zimmerman, Jay V., assignee: *See*—
Grossman, Harold.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aasland, John L., Moline, Ill., assignor to International Harvester Company. Control for agricultural field harvesting implements. 2,544,911, Mar. 13.

Abbott, Frank R., San Diego, Calif. Reversing rudder for small boats. 2,544,642, Mar. 13.

Ackerman, Samuel, Cincinnati, Ohio. Appliance for making orthodontic models. 2,545,249, Mar. 13.

Adams, George M., Palos Heights, assignor to The Visking Corporation, Chicago, Ill. Printing inks and films printed therewith. 2,544,873, Mar. 13.

Adams, Harry L., Denver, Colo., assignor of one-tenth to V. G. Jones. Pencil sharpener. 2,545,221, Mar. 13.

Addressograph-Multigraph Corporation, assignee: *See*—
Van Dusen, Charles H., Jr.

Ahrendt, William R., College Park, Md., and H. B. Rex, Falls Church, Va. Apparatus for compensating for frequency changes. 2,544,643, Mar. 13.

Aircraft-Marine Products Inc., assignee: *See*—
Macy, James C.

Air Reduction Company, Incorporated, assignee: *See*—
Mikhalapov, George.
Muller, Albert, and Gibson.

Akron Brass Mfg. Company, Inc., assignee: *See*—
Lee, Floyd J.

Aktiebolaget Alona, assignee: *See*—
Westberg, Per.

Aktiebolaget Kaukas Fabrik, assignee: *See*—
Somer, Väinö H., and Brehmer.

Alch, Lessing, St. Louis, Mo. Collapsible sectional top table. 2,545,064, Mar. 13.

Alexanderson, Howard A., Wood-Ridge, and H. C. Nette, Rutherford, assignors to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,544,973, Mar. 13.

Allen, Alva, assignee: *See*—
Stratton, Verlin K., and McClellen.

Allen, Norman L., Appleton, Wis. Fire alarm device for beds. 2,544,946, Mar. 13.

Allen, Philip S., Long Beach, Calif. Film-strip carrier actuating mechanism for automatic photographic apparatus. 2,544,644, Mar. 13.

Alwood, Samuel F., Waterloo, Ind. Craftsman's guideline holder. 2,544,645, Mar. 13.

American Brake Shoe Company, assignee: *See*—
Brayton, Corey C.
Notvest, Robert W.

American Business Systems, assignee: *See*—
Gaynor, Simon.
Schwarzer, Fred.

American Can Company, assignee, *See* —
Strickler, John C.

American Cyanamid Company, assignee: *See*—
Jayne, David W., Jr.
Schaefer, Frederic C., and Church.

American Electrical Heater Company, assignee: *See*—
Kuhn, Frank, and Thomas.

American-La France-Foamite Corporation, assignee: *See*—
Wolcott, Samuel K., Jr.

American Optical Company, assignee: *See*—
Ritterbusch, Harry F., and Langevin.

American Pulley Company, The, assignee: *See*—
Williams, William A.

American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Schlegel, Walter L., Jr.
Sedgwick, Robert K.

American Viscose Corporation, assignee: *See*—
Garrett, Paul E.
Stanley, Richard W.
Wedler, Frederick C.

Andersen, Niels Y., Snyder, assignor to Remington Rand Inc., Buffalo, N. Y. Magnifying index tab. 2,545,014, Mar. 13.

Anderson, George, assignor to Jamestown Safety Guard Corporation, Jamestown, N. Y. Safety device for machine operators. 2,545,013, Mar. 13.

Anderson, Harold, Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine control apparatus. 2,545,187, Mar. 13.

Anderson, Roy H., Bellevue, assignor to Boeing Airplane Company, Seattle, Wash. Rotational limit shaft coupling mechanism. 2,544,974, Mar. 13.

Anish, Alfred W., Vestal, and L. C. Hensley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic light sensitive elements containing azanol dyes. 2,545,421, Mar. 13.

Ansonia Copper and Iron Works, Inc., assignee: *See*—
Hollmeyer, Thomas J., and Buchert.

Appert, Kurt E., San Francisco, assignor to Lenkurt Electric Co., Inc., San Carlos, Calif. Frequency changing circuit. 2,545,250, Mar. 13.

Appleton Electric Company, assignee: *See*—
Tornblom, Nils A.

Argus, Incorporated, assignee: *See*—
Barnes, John W.

Armour and Company, assignee: *See*—
Greer, Donald M., and Zink.

Armstrong Cork Company, assignee: *See*—
Mason, John P.

Arneson, Theodore J., Jr., Minneapolis, Minn. Orthoptic apparatus. 2,545,333, Mar. 13.

Ash, Charles S., Milford, Mich. Vehicle wheel. 2,545,130, Mar. 13.

Ashbaugh, John H., Mansfield, and E. R. Wolfert, Springfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Waste disposal apparatus. 2,544,745, Mar. 13.

Askania Regulator Company, assignee: *See*—
Ziebolz, Herbert, and Glass.

Associated Spring Corporation, assignee: *See*—
Clayton, William.

Ateliers de Constructions Electriques de Charleroi, assignee: *See*—
Meunier, Marcel.

Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Shale distillation with fluidized residue treatment. 2,544,912, Mar. 13.

Audrieth, Ludwig F., Urbana, and P. H. Mohr, Champaign, assignors to Olin Industries, Inc., East Alton, Ill. Aqueous emulsions containing hydrazine derivatives as emulsifying agents. 2,544,772, Mar. 13.

Automatic Electric Laboratories, Inc., assignee: *See*—
Wicks, John.

Automatic Instrument Company, assignee: *See*—
Kasnowich, Anthony M.

Automatic Totalisators Limited, assignee: *See*—
Julius, Awdry F.

Avco Manufacturing Corporation, assignee: *See*—
Edelsohn, Charles R.

Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of phenols. 2,544,818, Mar. 13.

Ayres, Waldemar, Kew Gardens, N. Y. Gear toy. 2,545,131, Mar. 13.

Babb, John J., Laurel, Miss., and N. J. Smith, New Orleans, La., said Babb assignor to Geophysical Service Inc., Dallas, Tex., and said Smith assignor to The California Company, New Orleans, La. Apparatus for marine seismic prospecting. 2,544,819, Mar. 13.

Babbitt, Bernard B.: *See*—
Ellestad, Reuben B., and Babbitt.

Babcock & Wilcox Company, The, assignee: *See*—
Bice, Graham W.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Side bearing. 2,544,874, Mar. 13.

Bailey Meter Company, assignee: *See*—
Dueringer, Walter E.
Hornfeck, Anthony J.

Baker, Arvid H., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Lehr temperature control. 2,544,947, Mar. 13.

Baker, Bill P., Inglewood, and L. J. Lyons, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Fuel tank vent valve. 2,544,820, Mar. 13.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Schurr, Otto E.

Balentine, Conrad J., Philadelphia, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,545,334, Mar. 13.

Ballou, B. A., & Co. Incorporated, assignee: *See*—
Morehouse, Eugene.

Barber-Colman Company, assignee: *See*—
Borchardt, Robert E.
Kennedy, Walter W.

Barettella, Angelo, Union City, N. J. Curtain rod. 2,545,251, Mar. 13.

Barham, Theophilus A., Sr., Norfolk, Va. Adjustable lawn sprinkler. 2,544,773, Mar. 13.

Barker, Sydney W., Colne, assignor to Lustrafil Limited, Nelson, England. Method and apparatus for loading thread advancing rolls. 2,545,015, Mar. 13.

Barnaby, Roland, Hempstead, N. Y., and A. E. Reinhardt, Flourtown, Pa., assignors to The Sperry Corporation, Great Neck, N. Y. Angular velocity measuring instrument. 2,544,646, Mar. 13.

Barnes, John W., assignor to Argus, Incorporated, Ann Arbor, Mich. Closure latch. 2,544,647, Mar. 13.

Barry, Joseph A., deceased, Philadelphia, Pa.; M. A. and J. A. Barry, Jr., executors of said J. A. Barry. Apparatus for checking bowling balls on return tracks. 2,545,252, Mar. 13.

Barry, Joseph A., Jr., executor: *See*—
Barry, Joseph A.

Barry, Marie A., executrix: *See*—
Barry, Joseph A.

Bartholomew, Jess M., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor supercharging system. 2,544,821, Mar. 13.

Bartson, Albert J., Ridgewood, N. J. Stop motion for jacquard looms. 2,545,065, Mar. 13.

Baskerville, Benjamin J., Joliet, Ill.; M. K., R. A., and M. A. Baskerville, F. A. B. Lennon, and W. J. Baskerville, heirs of said B. J. Baskerville, deceased, assignors to F. A. Lennon, Maywood, individually and as trustee for M. A. Baskerville, Joliet, W. J. Baskerville, Manhattan, and R. A. Baskerville, Symerton, Ill. Hay baler feed mechanism. 2,545,188, Mar. 13.

Baskerville, Margaret K., heir: *See*—
Baskerville, Benjamin J.

Baskerville, Marie A., assignee and heir: *See*—
Baskerville, Benjamin J.

Baskerville, Raymond A., assignee and heir: *See*—
Baskerville, Benjamin J.

Baskerville, Walter J., assignee and heir: *See*—
Baskerville, Benjamin J.

Bassick Company, The, assignee: *See*—
Herold, Walter F.

Baum, Arthur A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vulcanization of chloroprene polymers. 2,544,746, Mar. 13.

Becker, Howard I., Vischers Ferry, N. Y., assignor to General Electric Company. Bearing lubrication. 2,545,335, Mar. 13.

Belke, Otis, Helenville, and W. Pinnow, Rome, Wis. Coupling pin. 2,545,066, Mar. 13.

Bell Aircraft Corporation, assignee: *See*—
Kelley, Bartram, and Dickinson.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Graham, Robert E.
Hickman, Clarence N., Graumann, and Mallina.
Johnson, John B., and McKay.
Townes, Charles H.

Bendix Aviation Corporation, assignee: *See*—
Bevins, James E.
Alexanderson, Howard A., and Nette.
Conviser, Harry.
Holmes, Bradford B.
Martin, John G.
Schultheis, Harry B., Jr.

Bennett, Arthur J., assignor to Pye Limited, Cambridge, England. Combination centering, focusing, and deflecting device for beam of cathode-ray tubes. 2,544,875, Mar. 13.

Berg, Clyde H. O., and D. H. Imhoff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,545,067, Mar. 13.

Berger, Carl G., Cincinnati, Ohio. Container with display panel. 2,544,975, Mar. 13.

Bergey, Stanley L., Hempstead, and J. A. Nottingham, Garden City, N. Y., assignors to The Sperry Corporation. Antenna apparatus. 2,544,648, Mar. 13.

Bergson, Maria, New York, N. Y. Typewriter desk. 2,545,253, Mar. 13.

Berry Bros. Machinery and Repair Works, assignee: *See*—
Berry, Sherman E.

Berry, Sherman E., assignor to Berry Bros. Machinery and Repair Works, Dallas, Tex. Screw conveyer ditching machine. 2,545,016, Mar. 13.

Bersworth, Frederick C., Verona, N. J. Caustic alkali composition of matter and its use as a polyvalent metal precipitation inhibitor. 2,544,649, Mar. 13.

Bescher, Ralph H., Orrville, Ohio, assignor to Koppers Company, Inc., Pittsburgh, Pa. Wood preservation. 2,545,222, Mar. 13.

Bevins, James E., Ramsey Estates, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pump. 2,544,976, Mar. 13.

Bice, Graham W., Rosemont, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Air swept pulverizer having an eccentrically arranged air throat flow area. 2,545,254, Mar. 13.

Billingsley, Gordon D., Los Altos, Calif. Hypodermic syringe. 2,545,017, Mar. 13.

Binder, Robert S., Philadelphia, Pa. Combination stroller and shopping carrier. 2,545,336, Mar. 13.

Birkland, C. Otto, assignee: *See*—
Spiteri, Joseph.

Birmingham Small Arms Company Limited, The, assignee: *See*—
Wood, Albert E., and Goldschmidt.

Bishop, William T., and E. J. Lorand, Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Froth flotation of ores in the presence of an α,α-dialkylarylmethyl hydroperoxide. 2,545,132, Mar. 13.

Black, Harold J.: *See*—
Coupland, Bertram R., and Black.

Blank, George K., De Soto, Mo. Collapsible carrier. 2,544,977, Mar. 13.

Blessing, Charles B., Oakland, Calif., assignor to Blessing Packaging Company. Paper roll support. 2,545,337, Mar. 13.

Blessing Packaging Company, assignee: *See*—
Blessing, Charles B.

Blessing, William J., Buffalo, and R. R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Multiple fuel internal-combustion engine. 2,544,978, Mar. 13.

Block, Nettie A.: *See*—
Block, Otto H. and N. A.

Block, Otto H. and N. A., Fort Collins, Colo. Beet topping machine. 2,544,650, Mar. 13.

Blom, Carl J., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Motor pump. 2,545,422, Mar. 13.

Blue Robin Corporation, assignee: *See*—
Jenny, René.

Blumlein, Alan D., deceased, Ealing, London, England, by D. Walker, executrix, Lanherne, Lescudjack, Penzance, Cornwall, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for generating electrical pulses. 2,545,018, Mar. 13.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Storing volatile liquids. 2,544,651, Mar. 13.

Bodle, Alexander T., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Belt measuring device. 2,545,189, Mar. 13.

Boeing Airplane Company, assignee: *See*—
Anderson, Roy H.
Drakeley, George T., and Finlay.

Bogaev, Max, assignee: *See*—
Embree, Craige L.

Bolongaro, James D., Charlbury, England. Motor-driven spade. 2,544,747, Mar. 13.

Bondi, Arnold A., assignor to Shell Development Company, San Francisco, Calif. Alkali base lubricating greases. 2,545,190, Mar. 13.

Borchardt, Robert E., assignor to Barber-Colman Company, Rockford, Ill. Cutter sharpening machine. 2,544,652, Mar. 13.

Borg-Warner Corporation, assignee: *See*—
Crawford, Charles F., Potts, and Price.

Bowden, Elliott R., Jacksonville, Fla. Attachment for toilet tanks. 2,545,338, Mar. 13.

Bowder, David H., Attleboro, Mass., assignor to Swank, Inc. Insigne unit. 2,544,876, Mar. 13.

Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.

Bradley, Clark F.: *See*—
Brettell, George A., Jr., and Bradley.

Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter and like separately interfitted steam and molded cap keys. 2,545,133, Mar. 13.

Brantingham, Paul T., Glen Ellyn, Ill., assignor to International Harvester Company. Grit flushing bearing construction. 2,544,913, Mar. 13.

Brayton, Corey C., Oakland, Calif., assignor to American Brake Shoe Company, New York, N. Y. Conveyer. 2,545,134, Mar. 13.

Bredl, George F. and M. M., Buffalo, and W. F. Bredl, Sloan, N. Y. Nonskid and auxiliary traction device. 2,544,774, Mar. 13.

Bredl, Michael M.: *See*—
Bredl, George F., M. M., and W. F.

Bredl, Wenzl F.: *See*—
Bredl, George F., M. M., and W. F.

Brehmer, Tor E.: *See*—
Somer, Vaino H., and Brehmer.

Brettell, George A., Jr., and C. F. Bradley, San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Electronic deviation indicator for echo ranging training apparatus. 2,545,191, Mar. 13.

Brewster, Clara J., assignee: *See*—
Brewster, John K.

Brewster, John K., assignor of one-half to C. J. Brewster, Detroit, Mich. Stabilizer for semitractors and trailers. 2,545,339, Mar. 13.

Brickmaster, Inc., assignee: *See*—
Mandryl, Joseph J.

Briggs, George, London, England. Servo-mechanism and control means therefor. 2,545,223, Mar. 13.

Broce, Leon E., Arcadia, assignor to Hurum E. Reeve Company, Los Angeles, Calif. Display case. 2,545,255, Mar. 13.

Brockway Company, The, assignee: *See*—
Richardson, James C.

Brokaw, Charles A., Dallas, and W. G. James, Houston, Tex., assignors to Eastman Oil Well Survey Company, Denver, Colo. Apparatus for orienting tools in well bores. 2,544,979, Mar. 13.

Browder, Jay E., Garden City, N. Y., assignor to The Sperry Corporation. Direction finder. 2,544,653, Mar. 13.

Brown, David, & Sons (Huddersfield), Limited, assignee: *See*—
Fearns, Stanley.

Brown, John W., South Euclid, Ohio, assignor to Dancyger Manufacturing Company. Shield for electric plugs. 2,544,654, Mar. 13.

Brown, Wallace C., assignor to Gunn Furniture Company, Grand Rapids, Mich. Adjustable base for desks, furniture, and the like. 2,544,822, Mar. 13.

Brown, William R., Cleveland, Ohio. Seat and berth construction. 2,544,980, Mar. 13.

Brownlow, Cecil L., assignor to Phillips Petroleum Company, Bartlesville, Okla. Circuit breaker. 2,545,256, Mar. 13.

Bryan, Floyd E., Venice, and W. F. Gunning, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Electronic control device. 2,545,257, Mar. 13

Bryce, Robert S., assignor to Eastman Kodak Company, Rochester, N. Y. Bichromate sensitized photographic materials. 2,544,877, Mar. 13.

Buchert, Jacob: *See*—
Hollmeyer, Thomas J., and Buchert.

Büchner, Karl, Duisburg-Hamborn, Germany. Production of potassium carbonate. 2,544,748, Mar. 13.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Buell, Leslie A., Holly, Mich. Heating system. 2,544,981, Mar. 13.

Buescher Band Instrument Company, assignee: *See*—
Comer, Floyd E.

Bugno, Zygmund, Chicago, Ill. Drainpipe valve. 2,545,192, Mar. 13.

Bunch, Glave S., Jr., South Bend, Ind. Ash tray. 2,545,019, Mar. 13.

Bundy, Francis P., Alplaus, H. M. Strong, and A. B. Gregg, Jr., Schenectady, N. Y., assignors to General Electric Company. Measuring gas pressure in flames. 2,545,340, Mar. 13.

Burch, Charles J.: *See*—
Cowie, John P., and Burch.

Buren, Newton J., Takoma, Wash. Piston construction. 2,544,775, Mar. 13.

Burger, Armin, Wabern-Berne, Switzerland. Device for the promotion of chimney intake. 2,544,776, Mar. 13.

Butler, Bernice M., Brooklyn, N. Y. Bandage supporting belt. 2,545,224, Mar. 13.

Buttolph, Ralph, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Whipstock. 2,544,982, Mar. 13.

Cahil, Joseph A., New York, N. Y. Knife sharpener. 2,544,777, Mar. 13

Cailloux, Marcel L., Montreal, Quebec, Canada. Device for telecontrol of spatial movement. 2,545,258, Mar. 13.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Solutions of polyamides. 2,544,637, Mar. 13.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and N-allyl and N-2-methallyl ureas. 2,544,638, Mar. 13.

Caldwell, Joseph M., Arlington, Va. Variable orifice flow-control apparatus. 2,544,948, Mar. 13.

Calhoun, Ingram X., Oklahoma City, Okla. Hydraulic tongs. 2,544,639, Mar. 13.

California Company, The, assignee: *See*—
Babb, John J., and Smith.

Callahan, John T.: *See*—
Lahmeyer, John D., and Callahan.

Cameron, William J., Chicago, Ill. Inspection device. 2,544,914, Mar. 13.

Cameron, William J., Chicago, Ill. Making viewing tubes. 2,544,915, Mar. 13.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.

Carey, James R.: *See*—
Wiesner, Jerry C., and Carey.

Carleton, Vincent E.: *See*—
Young, John L., and Carleton.

Carmody, Martin J.: *See*—
Weber, Frank P., and Carmody.

Carnes, Herbert W., Swampscott, and C. C. Thomas, West Medford, assignors to North American Research Corporation, Cambridge, Mass. Transmission linkage for grading machines. 2,545,225, Mar. 13.

Carpenter, Glenn F., assignee: *See*—
Grimm, Charles S.

Carpenter Manufacturing Corporation, The, assignee: *See*—
Fawcett, George F.

Carrier, Joseph D.: *See*—
Hindle, Robert J., and Carrier.

Case, J. I., Company, assignee: *See*—
Crawford, John F.

Cassell, Joseph L., New York, N. Y., assignor to Monmouth Laboratories, Inc., Bradley Beach, N. J. Multiple radio heterodyne distribution system. 2,545,259, Mar. 13.

Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Blow on arc tip. 2,545,341, Mar. 13.

Celanese Corporation of America, assignee: *See*—
Lippmann, Daniel C.

Cernigila, Santo L., Chicago, Ill. Combination receptacle and holder. 2,545,135, Mar. 13.

Chance, A. B., Company, assignee: *See*—
Salmons, George C.

Chapman, Clarence E.: *See*—
Wixon, Paul E., and Chapman.

Chapman, Thomas G.: *See*—
McQuiston, Frank W., Jr., and Chapman.

Chase, Dwight A., U. S. Coast Guard. Swivel. 2,544,635, Mar. 13.

Chechak, Jonas J., assignor to Eastman Kodak Company, Rochester, N. Y. Mixed grain photographic emulsions. 2,544,640, Mar. 13.

Chemical Elaborations, Inc., assignee: *See*—
Cole, Robert M.

Chenicek, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. N-(hydroxy aryl) pyrrolines and pyrrolidines. 2,544,823, Mar. 13.

Chicago Bridge & Iron Company, assignee: *See*—
Boardman, Harry C.

Chicago Eye Shield Company, assignee: *See*—
Llautaud, John N.

Choquette, Henry A. R., Brooklyn, N. Y. Toilet article. 2,545,342, Mar. 13.

Church, Dagfrid H.: *See*—
Schaefer, Frederic C., and Church.

Clary Multiplier Corporation, assignee: *See*—
Mark, Richard S., Schwend, and Stowell.

Claude, Charles J., St. Paul, Minn. Leaf scoop. 2,545,226, Mar. 13.

Clayton, Albert J., Dalton, Mo. Mail handling apparatus. 2,544,656, Mar. 13.

Clayton, Joseph, New York, N. Y. Tensioning drive device. 2,545,193, Mar. 13.

Clayton, William, assignor to Associated Spring Corporation, Bristol, Conn. Cartridge guide and stop for machine guns. 2,545,068, Mar. 13.

Cleary, Francis P., assignee: *See*—
Williams, Platt S.

Cleary, W. A., Corporation, assignee: *See*—
Sartoretto, Paul A.

Clifford, Floyd, Gloversville, N. Y. Wine service tray. 2,544,824, Mar. 13.

Cockbain, Ernest G.: *See*—
Fordham, Stanley, and Cockbain.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Composition for filling the pores of grinding wheels and wheels filled therewith. 2,544,641, Mar. 13.

Coffey, Samuel, N. H. Haddock, F. Lodge, J. Wardleworth, and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Addition salts of chloromethyl derivatives of vat dyestuffs and making same. 2,544,825, Mar. 13.

Coffing, Fredrick W., Danville, Ill. Collar and tie device. 2,545,020, Mar. 13.

Colburn, Allan P., Newark, Del., and B. F. Dodge, Hamden, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Adsorption process for removal of carbon dioxide from the atmosphere of a submarine. 2,545,194, Mar. 13.

Cole, Lorne A., Brantford, Ontario, Canada. Apparatus for regulating power used by pulp grinders. 2,545,260, Mar. 13.

Cole, Robert M., Bryn Athyn, assignor to Chemical Elaborations, Inc., Philadelphia, Pa. Catalysis of addition reactions. 2,545,261, Mar. 13.

Coleman, Lester B., New York, N. Y. Identification device for luggage. 2,545,262, Mar. 13.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Jackson, George P.
Pedersen, Hans V.

Comer, Floyd E., Bristol, assignor to Buescher Band Instrument Company, Elkhart, Ind. Saxophone. 2,545,227, Mar. 13.

Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, assignee: *See*—
Perret-Bit, Roger J.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Gutton, Henri.

Concrete Products, Inc., assignee: *See*—
Hemb, Harold B.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Schulder, Paul.

Conviser, Harry, Ardsley, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric motor control system. 2,545,343, Mar. 13.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Controlled absorber cooler in refrigerator. 2,544,916, Mar. 13.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Hings, Donald L.

Cornish, Harold E., Ryde, New South Wales, Australia. Folding baby carriage. 2,545,069, Mar. 13.

Coro, Inc., assignee: *See*—
Donle, Edwin S.

Cortland Line Company, Inc., The, assignee: *See*—
Hoyle, Egbert P.

Corydon, Jeff, II, Cranston, R. I., assignor to Morse Boulger Destructor Company. Soft tubing connector. 2,545,263, Mar. 13.

Coupland, Bertram R., and H. J. Black, Los Angeles, Calif. Drum handling device for lift trucks. 2,545,021, Mar. 13.

Coulson, Paul R.: *See*—
Hill, Thomas C., and Coulson.

Cowie, John P., Youngstown, Ohio, and C. J. Burch, Plainfield, N. J., assignors to The Linde Air Products Company. Automatic pressure welding apparatus. 2,544,749, Mar. 13.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ether solutions and spinning the same. 2,545,070, Mar. 13.

Craige, Arthur H., Jr., Riverdale, Md., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Anthelmintic feed composition. 2,544,826, Mar. 13.

Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Diamond bit. 2,545,195, Mar. 13.

Cranfill, Allen W., Williamsburg, Ky. Elongated service box. 2,545,228, Mar. 13.

Crawford, Charles F., and H. A. Potts, Muncie, and G. V. Price, Parker, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Shaft cutting and centering machine. 2,545,344, Mar. 13.

Crawford, John F., assignor to J. I. Case Company, Racine, Wis. Billet piercing apparatus. 2,545,229, Mar. 13.

Crewdson, Sarah M., Berkeley, assignor of forty-nine per cent to F. A. Da Mert, Los Angeles, Calif. Umbrella cover. 2,545,022, Mar. 13.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Power brake for hoisting drums. 2,545,136, Mar. 13.

Crouse-Hinds Company, assignee: *See*—
Sensinger, Wilbur A.

Crown Cork & Seal Company, Inc., assignee: *See*—
Erhardt, John E., Jr.

Curd, Francis H. S., deceased, Bramhall, by M. R. Curd, executrix, Bramhall, and D. N. Richardson, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of biguanide derivatives. 2,544,827, Mar. 13.

Curd, Muriel R., executrix: *See*—
Curd, Francis H. S., and Richardson.

Curioni, Aldo R., New York, N. Y. Photographic camera having cutoff means and removable film receptacle. 2,545,196, Mar. 13.

Cushman, Walton W., Web City, Mo. Pallet. 2,544,657, Mar. 13.

Cuthbertson, Leonard J., Girard, Kans. Motor mount. 2,544,778, Mar. 13.

Cutler-Hammer, Inc., assignee: *See*—
Hodgson, Howard E.

Dahlem, J. Gordon, assignor to The Wayne Pump Company, Fort Wayne, Ind. Airport fueling apparatus. 2,544,917, Mar. 13.

D'Alesio, Emilio, Upper Darby, assignor to H. Freeman & Son, Inc., Philadelphia, Pa. Coat pocket flap. 2,544,750, Mar. 13.

Daly, Webster J., Los Angeles, Calif. Diagnostiscope. 2,544,779, Mar. 13.

Da Mert, F. A., assignee: *See*—
Crewdson, Sarah M.

Dancyger Manufacturing Company, assignee: *See*—
Brown, John W.

Daniel, Blake N., Brooklyn, N. Y. Animated amusement device. 2,544,949, Mar. 13.

Darling, Woodrow, Merchantville, N. J., assignor to Radio Corporation of America. Relay satellite broadcast system. 2,545,197, Mar. 13.

David, Werner, Battersea, London, England, assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibitors. 2,545,137, Mar. 13.

David, Werner, Chester, England, assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibiting compositions. 2,545,138, Mar. 13.

Davidson, Frank, Sr., Los Angeles, Calif. Adjustable shade and curtain hanger. 2,544,950, Mar. 13.

Davis, Eugene L., Alloway, N. J. Interlocking building slab. 2,544,983, Mar. 13.

Davis, Lincoln K., Brockton, Mass. Warpable frame actuating device for use with electric switches and the like. 2,545,264, Mar. 13.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Wolfe, Harley H.

Dean, George H., Norwood, R. I. Jack column construction. 2,544,780, Mar. 13.

Deatherage, Fred E.: *See*—
Harsham, Albert, and Deatherage.

De Boo, Jerome L., assignor to Teletype Corporation, Chicago, Ill. Perforating apparatus. 2,545,198, Mar. 13.

De Cesare, Victor: *See*—
Saari, Mathew, and De Cesare.

Deere Manufacturing Co., assignee: *See*—
Worthington, Wayne H., and Jirsa.

De Lassus, Harold J., Salisbury, Mo. Cloth spreading machine. 2,544,951, Mar. 13.

Demeulenaere, Marcel: *See*—
Demeulenaere, Robert and M.

Demeulenaere, Robert and M., New York, N. Y. Push-button control. 2,544,918, Mar. 13.

Demorest, Burton U., Tulsa, Okla. Typewriter attached manifold gripping device. 2,545,071, Mar. 13.

Denman, Frank, Hillsdale, N. Y. Fruit picking device. 2,545,072, Mar. 13.

D'Entremont, Franklin R., Lynnfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,544,658, Mar. 13.

Derl, Hubert B., Rye, N. Y., assignor to General Precision Laboratory Incorporated. Enclosed arc starting device. 2,545,345, Mar. 13.

Deuring, William G., Cleveland, Ohio. Overhead garage door and operating means. 2,544,952, Mar. 13.

De Vries, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for amplifying or generating electric oscillations of very high frequency. 2,545,073, Mar. 13.

Dewey, Edward B., Washington, D. C. Combined roller and harrow. 2,545,265, Mar. 13.

Dickhaut, Charles A., Highland Park, and B. R. Newcomb, Bound Brook, N. J., assignors to John Waldron Corporation. Apparatus for coating webs. 2,545,266, Mar. 13.

Dickinson, Ernest G.: *See*—
Kelley, Bartram, and Dickinson.

Dielschneider, Willard H., Conrad, Iowa. Disk type mower. 2,545,074, Mar. 13.

Doane, Leroy C., Essex, Conn. Shock resistant luminaire for use with fluorescent tubes. 2,544,781, Mar. 13.

Dobell, Curzon, New York, N. Y., assignor to Preload Enterprises, Inc. Leakproof construction of pipes, tanks, and the like. 2,544,828, Mar. 13.

Dodge, Barnett F.: *See*—
Colburn, Allan P., and Dodge.

Dodge Manufacturing Corporation, assignee: *See*—
Bodle, Alexander T.

Donle, Edwin S., Edgewood, R. I., assignor to Coro, Inc. Locket construction. 2,545,267, Mar. 13.

Donzis, Jerome M., San Antonio, Tex. Well swab. 2,544,984, Mar. 13.

Douglas Aircraft Company Inc., assignee: *See*—
Bryan, Floyd E., and Gunning.

Dow Chemical Company, The, assignee: *See*—
Craige, Arthur H., Jr.

Drakeley, George T., and D. W. Finlay, assignors to Boeing Airplane Company, Seattle, Wash. Track-type landing gear. 2,544,985, Mar. 13.

Dratler, Samuel L., Cleveland, Ohio. Heel construction. 2,544,878, Mar. 13.

Drexler, Charles, Co., Inc., assignee: *See*—
Morgan, Ralph H.

Dreyer, John F., Springfield, assignor, by mesne assignments, to J. F. Dreyer, doing business as Dreyer Laboratories, Cincinnati, Ohio. Dichroic light-polarizing sheet materials and the like and the formation and use thereof. 2,544,659, Mar. 13.

Dreyer Laboratories: *See*—
Dreyer, John F.

Dueringer, Walter E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Printing totalizer for stylus recording meters. 2,544,919, Mar. 13.

Duerr, Herman H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotypes containing a guanide base in a gelatin layer to prevent dye diffusion. 2,545,423, Mar. 13.

Dummer, Robert J.: *See*—
Dyer, Philip A., and Dummer.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Koch, Stanley J., and Rutherford.
Smith, Harry R.

Dungler, Julien, Basel, Switzerland. Machine for treating fabrics at full width in liquid baths. 2,545,075, Mar. 13.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Baum, Arthur A.
Cox, Norman L.
Goebel, Max T., and Iler.
Hodges, Frank J., and Nadler.
Johnson, John R.
Kirby, James E.
Linster, John T.
Miller, Charles F.
Theobald, Clement W.
Wright, Walter H.

Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Benzhydrylurea addition compound and preparing same. 2,544,660, Mar. 13.

Dyer, Philip A., and R. J. Dummer, La Crosse, Wis. Garden hose holder. 2,544,986, Mar. 13.

Eastman Kodak Company, assignee: *See*—
Bryce, Robert S.
Caldwell, John R.
Chechak, Jonas J.
Harvey, Douglass C., and Marvin.
Isaac, Joseph, and Rissberger.
McMahon, Edward M.
Meyer, Lester W. A., and Gearhart.
Reynolds, Delbert D., and Kenyon.
Schade, Willy.
Sillick, William E.
Staehle, Henry C.
Van Deusen, Werter P.
Veal, Thomas G., and Waugh.
Yule, John A. C.

Eastman Oil Well Survey Company, assignee: *See*—
Brokaw, Charles A., and James.
Buttolph, Ralph.
Jackson, John G.

Eaton, Paul B., assignee: *See*—
Starnes, George F.

Ebauches S. A., assignee: *See*—
Haldegger, Hans.

Edelsohn, Charles R., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Automatic frequency control for television receivers. 2,545,346, Mar. 13.

Edison, Thomas A., Incorporated, assignee: *See*—
Postal, Robert H.

Ega Electric Limited, assignee: *See*—
Kilminster, George.

Ekart, Carl J.: *See*—
Johns, John W., and Ekart.

Ekkelkamp, Sienus, Everett, Wash. Emergency brake warning. 2,544,953, Mar. 13.

Electric & Musical Industries Limited, assignee: *See*—
Blumlein, Alan D.

Electronic Medical Foundation, assignee: *See*—
Hart, Fred J.

Elfes, Lee E., assignor to Harry Ferguson, Inc., Detroit, Mich. Step plate. 2,545,139, Mar. 13.

Ellefson, Theodore R., assignor of one-third to H. H. Singer and one-third to M. P. Felman, Dayton, Ohio. Electric organ. 2,545,023, Mar. 13.

Ellenbogen, Joseph, London, England. Repeatedly ignitable composition rod. 2,545,076, Mar. 13.

Ellestad, Reuben B., and B. R. Babbitt, assignors to Metalloy Corporation, Minneapolis, Minn. Lithium cobaltite. 2,545,424, Mar. 13.

Elliott, Gordon R.: *See*—
Harrington, Ferris T., Martin, Elliott, and Haisen.

Elliott, Raymond D., Long Beach, assignor, by mesne assignments, to Byron Jackson Co., Vernon, Calif. Gun perforator. 2,545,024, Mar. 13.

Elterman, Daniel, Northport, L. E. Elterman, East Northport, and W. Elterman, Brooklyn, N. Y. Holder for collapsible tubes. 2,544,751, Mar. 13.

Elterman, Leonard E.: *See*—
Elterman, Daniel, L. E., and W.

Elterman, Walter: *See*—
Elterman, Daniel, L. E., and W.

Embree, Craige L., assignor to M. Bogasy, Philadelphia, Pa. Furniture assembly bracket. 2,545,347, Mar. 13.

Erhardt, John E., Jr., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Treating roll mounting and roll drive. 2,545,025, Mar. 13.

Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Rotating means for screw conveyer housings. 2,545,140, Mar. 13.

Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Conveyer housing rotating means. 2,545,141, Mar. 13.

Evans, Theodore W.: *See*—
Whetstone, Richard R., and Evans.

Evans, Val G.: *See*—
Tuckett, James R., and Evans.

Excelsior Loom Reed Works, Inc., assignee: *See*—
Hornig, Arno.

Fabel, George W., Fulton, N. Y., assignor to General Electric Company. Cathode-ray tube support. 2,545,348, Mar. 13.

Falchetto, Battista G., Torino, Italy, assignor to Motom G. m. b. H., Zurich, Switzerland. Frame for two or three wheeled vehicles. 2,545,142, Mar. 13.

Fawcett, George F., Euclid, assignor to The Carpenter Manufacturing Corporation, Cleveland, Ohio. Fish lure. 2,544,782, Mar. 13.

Fearns, Stanley, assignor to David Brown & Sons (Huddersfield), Limited, Huddersfield, England. Gear-hobbing machine. 2,545,151, Mar. 13.

Felman, Morris P., assignee: *See*—
Ellefson, Theodore R.

Ferguson, Harry, Inc., assignee: *See*—
Elfes, Lee E.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Removal of peroxides from hydrocarbons. 2,545,199, Mar. 13.

Finlay, Donald W.: *See*—
Drakeley, George T., and Finlay.

Fischer, Harry C., Plymouth, Mich. Water-softening apparatus and system. 2,545,425, Mar. 13.

Flajole, William, Detroit, Mich. Sled construction. 2,545,268, Mar. 13.

Folckemer, Frank B.: *See*—
Yates, Wallace J., Folckemer, and Simanton.

Fonda, Gorton R., Schenectady, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Preparing skiatronic screens. 2,545,200, Mar. 13.

Ford, Roscoe L., Los Angeles, Calif. Multiple sliding drawer display device. 2,545,269, Mar. 13.

Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Preparation of cellular glass. 2,544,954, Mar. 13.

Fordham, Stanley, Saltcoats, Scotland, and E. G. Cockbain, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Gelatine blasting explosive composition containing water-soluble salts. 2,545,270, Mar. 13.

Fortney, David F., and G. L. Moran, Towanda, Pa., assignors to Sylvania Electric Products Inc., Salem, Mass. Making a calcium halophosphate phosphor. 2,544,663, Mar. 13.

Fossa, Joseph, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for dispensing thermoplastic adhesive. 2,544,661, Mar. 13.

Foster, Edwin E., Austin, Tex. Handkerchief ironing machine. 2,544,662, Mar. 13.

Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Generator of accurately timed pulses. 2,545,349, Mar. 13.

Freedman, William B., Hollis, and J. Gettler, Jr., Roslyn Heights, N. Y., assignors to Phillips Publishers, Inc., Newton, Mass. Pop-up book construction. 2,544,783, Mar. 13.

Freeman, H., & Son, Inc., assignee: *See*—
D'Alesio, Emilio.

Friend, Dawson, assignor to Stant Manufacturing Company, Connersville, Ind. Ball-joint mounting. 2,545,406, Mar. 13.

Fr. Sauter A. G. Fabrik elektr. Apparate, assignee: *See*—
Spahn, Emil.

Fruehauf, Roy R.: *See*—
Blessing, William J., and Fruehauf.

Frum, Lonnie A., Clarksburg, W. Va. Tool for dispensing, clamping, and cutting flexible strands. 2,544,784, Mar. 13.

Fuld, Walter S., New York, N. Y. Valved pouring attachment for milk bottles. 2,545,350, Mar. 13.

Fullerton, Henry J., assignor to Pittsburgh Saw & Tool Company, Pittsburgh, Pa. Insert segment saw. 2,544,920, Mar. 13.

Gardiner, Duncan B., Detroit, E. F. Klessig, Berkley, and J. F. Jeannin, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,544,987, Mar. 13.

Gardiner, Duncan B., Detroit, E. F. Klessig, Berkley, and A. Keel, Highland Park, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,544,988, Mar. 13.

Gardiner, Duncan B., Detroit, and B. L. Readman, Pontiac, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,545,077, Mar. 13.

Gardner, Clyde E., Effie, Minn. Eyeshield. 2,545,078, Mar. 13.

Gardner, Edson F., Moscow, Pa. Fluid brake system. 2,544,785, Mar. 13.

Garibaldi, Emanuel S., Stockton, Calif. Collapsible sawhorse. 2,544,989, Mar. 13.

Garner, Hobson M., assignee: *See*—
Tilson, Richard A., and Garner.

Garner, Lloyd P., and W. N. Parker, Lancaster, and W. E. Harbaugh, Bareville, Pa., assignors to Radio Corporation of America. High-frequency high-power tube. 2,544,664, Mar. 13.

Garrett, Paul E., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Spinning compartment lock lid. 2,544,786, Mar. 13.

Gartner, Stanley J., Emporium, Pa., assignor to Sylvania Electric Products Inc. Glass coiling machine. 2,545,271, Mar. 13.

Gayken, Dick B., Waterloo, Iowa. Front-wheel equalizer for vehicles. 2,545,230, Mar. 13.

Gaynor, Simon, Philadelphia, Pa., assignor to American Business Systems. Sheet feeding machine. 2,545,351, Mar. 13.

Gearhart, William M.: *See*—
Meyer, Lester W. A., and Gearhart.

Geerlings, Gerald K., New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y. Molded key cap for writing machines. 2,545,026, Mar. 13.

Geissmann, Gladys W., assignor to Merry Hull & Company, New York, N. Y. Glove. 2,545,272, Mar. 13.

Gelbman, Lawrence F., Yonkers, N. Y. Making lightweight aggregates using fragile nodules. 2,544,752, Mar. 13.

General American Transportation Corporation, assignee: *See*—
Jacoby, Harold E., and Nilan.

General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W., and Hensley.
Duerr, Herman H.
Von Glahn, William H., and Stanley.

General Electric Company, assignee: *See*—
Balentine, Conrad J.
Becker, Howard I.
Bundy, Francis P., Strong, and Gregg.
D'Entremont, Franklin R.
Fabel, George W.
Foster, Raymond F.
Gund, Russell A.
Hansen, Siegfried.
Lang, Henry T.
McDonald, Gordon R.
Millar, Norval P.
Rich, Theodore A.
Young, Allan M.

General Motors Corporation, assignee: *See*—
Grange, Howard L., and Hanink.
Wallis, Harold B., and Neal.

General Precision Laboratory Incorporated, assignee: *See*—
Deri, Hubert B.

Geophysical Service Inc., assignee: *See*—
Babb, John J., and Smith.

Gerken, Paul F., Reno, Nev. Sash mounting. 2,545,143, Mar. 13.

Gershon, Solomon D.: *See*—
Rider, Theodore H., and Gershon.

Gettler, Joseph, Jr.: *See*—
Freedman, William B., and Gettler.

Gibbs, George S., Newton, Mass. Making raised electrical contact points. 2,545,352, Mar. 13.

Gibson, Glenn J.: *See*—
Muller, Albert, and Gibson.

Gilbert, Joseph A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machinery. 2,545,273, Mar. 13.

Gilbert, Taylor C., Dallas, Tex. Vaginal speculum. 2,545,201, Mar. 13.

Gilbreath, Albert L., assignee: *See*—
Gilbreath, John N.

Gilbreath, John N., assignor of one-half to A. L. Gilbreath, Summerville, Ga. Two-step tucking device for knitting machines. 2,544,829, Mar. 13.

Gilmore, Edward R., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Gas meter. 2,544,665, Mar. 13.

Glass, Paul: *See*—
Zieholz, Herbert, and Glass.

Glumer, Gustavo V., and J. M. Romero, Mexico City, Mexico. Child's riding toy. 2,545,231, Mar. 13.

Goddard, Ted, Los Angeles, Calif. Wire dispenser. 2,545,079, Mar. 13.

Goebel, Max T., Rocky River, and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Werner-type chromium compounds as laminating and coating compositions. 2,544,666, Mar. 13.

Goebel, Max T., Rocky River, and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Werner-type chromium compounds as laminating and coating compositions. 2,544,667, Mar. 13.

Goebel, Max T., Rocky River, and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Werner-type chromium compounds. 2,544,668, Mar. 13.

Golden, Alton H., East Cleveland, Ohio. Adjustable filter darkroom light. 2,545,274, Mar. 13.

Goldschmidt, Rudolf: *See*—
Wood, Albert E., and Goldschmidt.

Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,544,669, Mar. 13.

Goodman-Kleiner Co., Inc., assignee: *See*—
Marco, John L.

Goodrich, B. F., Company, The, assignee: *See*—
Head, Walter E.

Goodson, George W.: *See*—
Madsen, Paul S., and Goodson.

Gosling, Clive A.: *See*—
Thornhill, Peter W., and Gosling.

Graham, Leonard W., Slough, Bucks, England. Driving device for imparting a combined rotary and reciprocating motion to a driven member. 2,545,080, Mar. 13.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron camera tube. 2,544,753, Mar. 13.

Grange, Howard L., and D. K. Hanink, assignors to General Motors Corporation, Detroit, Mich. Forming composite aluminum-steel parts by casting aluminum on to steel and bonding thereto. 2,544,670, Mar. 13.

Grange, Howard L., and D. K. Hanink, assignors to General Motors Corporation, Detroit, Mich. Forming composite products consisting of ferrous metal and aluminum or aluminum-base alloy. 2,544,671, Mar. 13.

Graumann, Raymond L.: *See*—
Hickman, Clarence N., Graumann, and Mallina.

Green, Arthur D., Cranford, and W. J. Paltz, Fanwood, N. J., assignors to Standard Oil Development Company. Process and apparatus for the production of high molecular weight polymers. 2,545,144, Mar. 13.

Green, Isaac H. C., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Yarn controlling device. 2,545,081, Mar. 13.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Energizing circuit for servo systems. 2,544,921, Mar. 13.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Energizing circuit for servo systems. 2,544,922, Mar. 13.

Greer, Donald M., Hinsdale, and J. L. Zink, assignors to Armour and Company, Chicago, Ill. Cheese manufacture. 2,544,672, Mar. 13.

Griffith, Paul H., Ardmore, Pa. Fusee. 2,545,275, Mar. 13.

Grill, Raymond E., Long Beach, and V. L. White, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Jato release device. 2,544,830, Mar. 13.

Grimm, Charles S., Iowa City, Iowa, assignor of one-half to G. F. Carpenter, Chicago, Ill. Railroad spike puller. 2,545,027, Mar. 13.

Groetzinger, Herbert B., assignee: *See*—
Staaf, Richard V.

Groetzinger, Herbert W., assignee: *See*—
Staaf, Richard V.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic switching device. 2,545,082, Mar. 13.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. High-speed switching circuit. 2,545,083, Mar. 13.

Guardian Electric Manufacturing Co., assignee: *See*—
Obszarny, Theodore, and Schmidt.

Guest, Howard R.: *See*—
Young, Donald M., and F. G., Jr., and Guest.

Guest, Howard R., and R. W. McNamee, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. $Fe_2O_3CR_2O_3CuO$ hydrogenation catalyst. 2,544,756, Mar. 13.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Peters.

Gund, Russell A., Schenectady, N. Y., assignor to General Electric Company. Temperature control system. 2,545,353, Mar. 13.

Gunn Furniture Company, assignee: *See*—
Brown, Wallace C.

Gunning, William F.: *See*—
Bryan, Floyd E., and Gunning.

Gutton, Henri, Paris, France, assignor, to Compagnie Generale de Telegraphie Sans Fil. Device intended for the transmitting of energy by means of a hollow electromagnetic guide. 2,544,923, Mar. 13.

Guyton, Arthur C., Oxford, Miss. Electrically propelled wheel chair. 2,544,831, Mar. 13.

H-P-M Development Corporation, assignee: *See*—
MacMillin, Norman F., and Purcell.
Tucker, Warren R., and MacMillin.

Haber, Bernard D., Montgomery County, Ohio. Electrical method of adhesive bond testing. 2,544,673, Mar. 13.

Haddock, Norman H.: *See*—
Coffey, Samuel, Haddock, Lodge, Wardleworth, and Wood.

Hadley, Lawrence N., Jr., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of the Navy. Variable frequency tank circuit. 2,544,832, Mar. 13.

Hagedorn, Carl, Everett, Wash. Brake lining thickness indicator. 2,545,276, Mar. 13.

Hagen, John P., Arlington, Va., and F. C. Isely, Washington, D. C. High-frequency wave meter. 2,544,674, Mar. 13.

Haidegger, Hans, Soleure, assignor to Ebauches S. A., Grenchen, Switzerland. Infinitely variable speed gear. 2,545,152, Mar. 13.

Haisen, Leslie W.: *See*—
Harrington, Ferris T., Martin, Elliott, and Haisen.

Haldeman, George W., Oak Ridge, Tenn. Falling film heat exchanger. 2,545,028, Mar. 13.

Hamilton, Donald R., Garden City, N. Y., assignor to The Sperry Corporation. Frequency multiplier of the cavity resonator type. 2,544,675, Mar. 13.

Hammond, John H., Jr., and E. S. Purington, Gloucester, Mass., assignors to Radio Corporation of America, New York, N. Y. Radio trail navigational system. 2,544,677, Mar. 13.

Hammond, Leni K., and R. H. Stout, Winnetka, Ill. Two-story knockdown variety doll house. 2,544,833, Mar. 13.

Hancock, James L., Indian Head, Md. Valve adjusting tool. 2,544,834, Mar. 13.

Hancox, Robert R., Kansas City, Mo., G. L. Tuer, Jr., Cleveland, Ohio, and M. J. Stutzman, Kansas City, Mo., assignors to Olin Industries, Inc., East Alton, Ill. Apparatus for the manufacture of iron shot. 2,544,678, Mar. 13.

Hand, Kenneth E., Kalamazoo, Mich. Reversible settee and chair. 2,544,787, Mar. 13.

Hanink, Dean K.: *See*—
Grange, Howard L., and Hanink.

Hannah, Charles J., and R. D. La Salle, Paterson, N. J. Stencil screen frame. 2,545,277, Mar. 13.

Hansen, Siegfried, Los Angeles, Calif., assignor to General Electric Company. Electrostatic generator. 2,545,354, Mar. 13.

Hansen, William W., Garden City, N. Y., assignor, to The Sperry Corporation. High-frequency electron tube structure. 2,544,680, Mar. 13.

Hansen, William W., and J. R. Woodyard, Garden City, assignors to The Sperry Corporation, Great Neck, N. Y. High-frequency electron tube structure. 2,544,679, Mar. 13.

Hanson, Abraham G., Pasadena, Calif. Slidable jaw wrench provided with cam actuated locking means. 2,545,355, Mar. 13.

Harasty, Viktor, Whitestone, N. Y. Foldable boat construction. 2,545,084, Mar. 13.

Harbaugh, Willis E.: *See*—
Garner, Lloyd P., Parker, and Harbaugh.

Hardy, Le Roy R., Alvin, Tex. Cycle light switch. 2,545,085, Mar. 13.

Harrelson, Walter N., Spartanburg, S. C. Remote control for vehicular combustion engines. 2,544,955, Mar. 13.

Harrington, Ferris T., and J. A. Martin, Detroit, G. R. Elliott, Ferndale, and L. W. Halsen, Royal Oak, assignors, to Vickers Incorporated, Detroit, Mich. Power transmission. 2,544,990, Mar. 13.

Harris, Garrett H., Jackson, Miss. Motor guide. 2,545,086, Mar. 13.

Harsham, Albert, Cincinnati, and F. E. Deatherage, Columbus, assignors to The Kroger Company, Cincinnati, Ohio. Tenderization of meat. 2,544,681, Mar. 13.

Hart, Fred J., Salinas, assignors to Electronic Medical Foundation, San Francisco, Calif. Electrical therapeutic device. 2,545,087, Mar. 13.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
De Vries, Gerrit.
Vingerhoets, Antonius W.

Hartsborn, Stanley D., Wayne, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Lining structure for rotary crushers. 2,545,202, Mar. 13.

Harvey, Douglass C., and E. S. Marvin, assignors to Eastman Kodak Company, Rochester, N. Y. Film metering double exposure prevention camera. 2,544,879, Mar. 13.

Hayes, Michael, Dundalk, Md., assignor to Rheem Manufacturing Company, San Francisco, Calif. Spring gate flux dam for galvanizing kettles. 2,544,956, Mar. 13.

Head, Cornelius R., Houston, Tex. Line cleaner. 2,545,278, Mar. 13.

Head, Walter E., Miami, Okla., assignor to The B. F. Goodrich Company, New York, N. Y. Creel apparatus including guard support for a cone. 2,545,203, Mar. 13.

Healy, Eugene C., Pawtucket, R. I. Automatic bead making machine. 2,544,835, Mar. 13.

Hedges, Ralph E.: *See*—
Isenberg, Alexander H., and Hedges.

Heiden, Harry J., assignee: *See*—
White, Charles S.

Heigl, John J.: *See*—
Muly, William, and Heigl.

Hemb, Harald B., Glencoe, assignor to Concrete Products, Inc., Skokie, Ill. Vibrating apparatus for molding concrete slabs. 2,545,029, Mar. 13.

Hemphill Company, assignee: *See*—
Green, Isaac H. C.

Henderson, Leonard B., Birmingham, England. Combined stay and device for opening and closing windows and like members. 2,545,279, Mar. 13.

Henry, Nelson R., assignor to J. C. Watters, Atlanta, Ga. Crutch. 2,544,957, Mar. 13.

Hensley, Lee C.: *See*—
Anish, Alfred W., and Hensley.

Hercules Powder Company, assignee: *See*—
Bishop, William T., Lorand, and Reese.
Seebold, James E.

Herold, Walter F., Easton, assignor to The Bassick Company, Bridgeport, Conn. Industrial truck caster wheel. 2,544,924, Mar. 13.

Heubach, William E., Morton, Ill. Lawn cultivating machine. 2,544,958, Mar. 13.

Hickman, Clarence N., Jackson Heights, N. Y., R. L. Graumann, Alexandria, Va., and R. F. Mallina, Hastings, N. Y.; said Hickman and said Graumann assignors to The United States of America as represented by the Secretary of the Navy and said Mallina assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Jet-accelerated armor-piercing bomb. 2,545,204, Mar. 13.

Hilgeman, Walter A., Fairview, Ill. Latch. 2,544,682, Mar. 13.

Hill, Thomas C., Aberdeen, and P. R. Coulson, Essex, assignors to The Glenn L. Martin Company, Middle River, Md. Control system for reversible pitch propellers. 2,545,205, Mar. 13.

Hillgren, Carl A., Los Angeles, Calif. Door lock. 2,544,959, Mar. 13.

Hindle, Robert J., and J. D. Carrier, Toronto, Ontario, Canada. Roughing guide device. 2,544,880, Mar. 13.

Hindman, Earl L., Lowell, Ariz. Multiple contact selector switch. 2,544,788, Mar. 13.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Wave inverter. 2,545,232, Mar. 13.

Hobart-Federal Engineering Corporation, assignee: *See*—
Jackson, Aldrich L.

Hodges, Frank J., Pennsgrove, N. J., and M. L. Nadler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anhydrous sodium beta-naphtholate and carbonation thereof. 2,544,881, Mar. 13.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lifting magnet. 2,545,356, Mar. 13.

Hoeppner, Conrad H., Washington, D. C., and C. H. Smith, Jr., Arlington, Va. Gas tube control circuit. 2,544,683, Mar. 13.

Hoeppner, Conrad H., Washington, D. C., and C. H. Smith, Jr., Arlington, Va. Gas tube control apparatus. 2,544,684, Mar. 13.

Hoffman, Eugene, Eatonia, Saskatchewan, Canada. Garden seeder with dispenser having vibratory means and variable seed discharge means. 2,544,960, Mar. 13.

Hoffmann-La Roche Inc., assignee: *See*—
Duschinsky, Robert.
Steiger, Norbert.

Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Coin selector. 2,545,426, Mar. 13.

Hollmeyer, Thomas J., and J. Buchert, assignors to Ansonia Copper and Iron Works, Inc., Cincinnati, Ohio. Heat exchange apparatus. 2,545,280, Mar. 13.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure breathing regulator. 2,544,991, Mar. 13.

Hoover Company, The, assignee: *See*—
Coons, Curtis G.

Horelick, Samuel and R. C. Sefton, assignors to Pennsylvania Transformer Company, Pittsburgh, Pa. Cover and seal construction for transformer tanks or the like. 2,544,789, Mar. 13.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Measuring and controlling system. 2,544,790, Mar. 13.

Hornig, Arno, Pawtucket, R. I., assignor to Excelsior Loom Reed Works, Inc. Loom reed. 2,544,882, Mar. 13.

Hotvedt, Richard D., Minneapolis, Minn. Coffee-making apparatus. 2,544,836, Mar. 13.

Hoyle, Egbert P., assignor to The Cortland Line Company, Inc., Cortland, N. Y. Two-part display and transfer reel. 2,545,145, Mar. 13.

Hunt, James T., Arlington, Va. Speed responsive device of the flyball type. 2,544,791, Mar. 13.

Hunt, Stanley P., assignor to Institute of Textile Technology, Charlottesville, Va. Fabric moisture absorbency tester. 2,545,281, Mar. 13.

Hurt, Robert H., Charlottesville, assignor to Virginia Polytechnic Institute, Blacksburg, Va. Reaction products of esters of polyphosphoric acids and heavy metal oxides and making same. 2,544,858, Mar. 13.

Hydorn, Rex R., Balboa, Calif. Artificial limb. 2,545,146, Mar. 13.

I. T. E. Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.

I-T-E Circuit Breaker Company, assignee: *See*—
Wood, Joseph D.

Iler, Ralph K.: *See*—
Goebel, Max T., and Iler.

Illuminating Engineering Company, assignee: *See*—
Pretzer, Bert C.

Imhoff, Donald H.: *See*—
Berg, Clyde H. O., and Imhoff.

Imperial Chemical Industries Limited, assignee: *See*—
Coffey, Samuel, Haddock, Lodge, Wardleworth, and Wood.
Curd, Francis H. S., and Richardson.
Fordham, Stanley, and Cockbain.

Indiana Steel and Wire Company, assignee: *See*—
Kitselman, Harry L.

Industrial Nucleonic Devices, assignee: *See*—
Lahmeyer, John D., and Callahan.

Insley Manufacturing Corporation, assignee: *See*—
Russell, Louis R.

Institute of Inventive Research, assignee: *See*—
Poulter, Thomas C.

Institute of Textile Technology, assignee: *See*—
Hunt, Stanley P.

Interchemical Corporation, assignee: *See*—
Kumins, Charles A.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Lantz, Martin J.

International Harvester Company, assignee: *See*—
Aasland, John L.
Brantingham, Paul T.
Karlsson, Elof K., and Sutton.
Mellies, William O.
Vandenberg, Clarence E.
Welty, Albert B.

Irving Air Chute Co. Inc., assignee: *See*—
Kajdan, Chester C.

Isaac, Joseph, and A. C. Rissberger, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Attaching means for masking strips. 2,544,883, Mar. 13.

Isaacson, Samuel, New York, N. Y. Thread marker. 2,544,757, Mar. 13.

Isely, Frank C.: *See*—
Hagen, John P., and Isely.

Isenberg, Alexander H., Woodside, and R. E. Hedges, East Palo Alto, Calif.; said Hedges assignor to said Isenberg. Making end closures for insulated pipes. 2,545,030, Mar. 13.

Issi, Anthony, Boston, Mass. Photograph developing machine. 2,545,031, Mar. 13.

Jack, Paul E., Englewood, Colo. Child's toilet seat. 2,544,792, Mar. 13.

Jackel, Fanny, Bronx, N. Y. Corset with elastic insert. 2,544,758, Mar. 13.

Jackson, Aldrich L., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Stripper and cleaner for meat tenderizing machines. 2,545,407, Mar. 13.

Jackson, Byron, Co., assignee: *See*—
Blom, Carl J.
Elliott, Raymond D.

Jackson, Frank H., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Testing device. 2,544,685, Mar. 13.

Jackson, George P., Flushing, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam generator. 2,544,884, Mar. 13.

Jackson, James C., New Orleans, La. Game apparatus, including mechanical projector. 2,544,992, Mar. 13.

Jackson, John G., assignor to Eastman Oil Well Survey Company, Denver, Colo. Drill bit. 2,544,993, Mar. 13.

Jacob, Raymond: *See*—
Rabeux, Jean, and Jacob.

Jacoby, Harold E., Brooklyn, and C. P. Nilan, Point Lookout, N. Y., assignors to General American Transportation Corporation, Chicago, Ill. Vertical tube evaporator. 2,544,885, Mar. 13.

James, William G.: *See*—
Brokaw, Charles A., and James.

Jamestown Safety Guard Corporation, assignee: *See*—
Anderson, George.

Jayne, David W., Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Detergent composition and preparing same. 2,545,357, Mar. 13.

Jeannin, John F.: *See*—
Gardiner, Duncan B., Kiessig, and Jeannin.

Jenkins, Marion, Denver, Colo. Toy spring pistol. 2,545,358, Mar. 13.

Jenny, René, assignor, by mesne assignments, to Blue Robin Corporation, New York, N. Y. Erasing device. 2,545,282, Mar. 13.

Jensen, Homer, Philadelphia, Pa. Image stabilising apparatus for twin lens cameras. 2,544,686, Mar. 13.

Jensen, Kristen J., Eureka, Calif. Curtain and shade fixture. 2,545,147, Mar. 13.

Jirsa, Emil F.: *See*—
Worthington, Wayne H., and Jirsa.

Johansen, Bernhard A. *See*—
Örtenblad, Ture, and Johansen.

Johns, John W., and C. J. Ekart, Wamego, Kans. Tank trailer. 2,545,088, Mar. 13.

Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,545,359, Mar. 13.

Johnson, Clifford N., assignor to Ritepoint Co., St. Louis, Mo. Attaching means and assembly method for slotted tube and tip member of a mechanical pencil. 2,544,759, Mar. 13.

Johnson, Everard L., Patchogue, N. Y. High chair. 2,544,760, Mar. 13.

Johnson, John B., Maplewood, and K. G. McKay, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron camera tube. 2,544,755, Mar. 13.

Johnson, John R., Ithaca, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tertiary diacyl amine insecticides. 2,545,283, Mar. 13.

Johnson, Kurt T., assignor to J. P. Seeburg Corporation, Chicago, Ill. Trip for automatic phonographs. 2,545,360, Mar. 13.

Johnson, S. C., & Son, Inc., assignee: *See*—
Steibel, James P.

Jones, Clevoe D., Royal Oak, assignor to Michigan Steel Tube Products Company, Detroit, Mich. Welding machine. 2,545,284, Mar. 13.

Jones, Llewellyn, Bloomington, Ill. Flue pipe section with check draft damper. 2,545,148, Mar. 13.

Jones, Veda G., assignee: *See*—
Adams, Harry L.

Jordan, James F., assignor to James Jordan Laboratory, Huntington Park, Calif. Apparatus for the continuous formation of metal in sheets. 2,544,837, Mar. 13.

Jordan, James, Laboratory, assignee: *See*—
Jordan, James F.

Joy Manufacturing Company, assignee: *See*—
Bartholomew, Jess M.

Julius, Awdry F., Sydney, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Totalisator counter structure. 2,544,994, Mar. 13.

Kajdan, Chester C., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Parachute harness coupling device and safety clip therefor. 2,544,995, Mar. 13.

Kalbach, John C., New York, N. Y. Production of chromium oxide. 2,544,687, Mar. 13.

Kamlet, Mortimer J., Chattanooga, assignor to Tennessee Products & Chemical Corporation, Nashville, Tenn. Manufacture of perchloromethyl mercaptan and its separation from the various sulfur compounds. 2,545,285, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Expansible rotary drill bit. 2,545,032, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Well boring apparatus. 2,545,033, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Expansible rotary drill bit and assembling and disassembling the same. 2,545,034, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Rotary well drilling bit. 2,545,035, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Expansible drill bit. 2,545,036, Mar. 13.

Kammerer, Archer W., Fullerton, Calif. Rotary drill bit apparatus. 2,545,037, Mar. 13.

Kander, Rudolf M. H., Kansas City, Mo. Rear wheel drive for scooters and the like. 2,544,996, Mar. 13.

Karlsson, Elof K., Moline, Ill., and R. L. Sutton, Davenport, Iowa, assignors to International Harvester Company. Hitch for joining harvester and a wagon to a tractor. 2,544,925, Mar. 13.

Kasnowich, Anthony M., Grand Rapids, Mich., assignor to Automatic Instrument Company, Chicago, Ill. Automatic phonograph. 2,545,361, Mar. 13.

Kasselmann, George J.: *See*—
Siekmann, Harold J., and Kasselmann.

Kaufman, Daniel, New Haven, Conn. Filling plug for oil tanks or the like. 2,545,233, Mar. 13.

Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,545,427, Mar. 13.

Keel, Adolf: *See*—
Gardiner, Duncan B., Kiessig, and Keel.

Keeney, Edward W., Sr., Westfield, Mass. Fisherman's net. 2,544,926, Mar. 13.

Kelm, Charles J., Oil City, Pa., A. R. Maier, Dallas, Tex., and A. Quayle, Oil City, Pa., assignors to Oil Well Supply Company. Actuating system for air-brake mechanism. 2,544,997, Mar. 13.

Kelper, Elizabeth P., executrix: *See*—
Schulz, Edward W.

Kelper, Frank, assignee: *See*—
Schulz, Edward W.

Kelley, Bartram, Buffalo, and E. G. Dickinson, Tonawanda, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Helicopter amphibious landing gear. 2,544,794, Mar. 13.

Kelley, Kenneth E., Niagara Falls, N. Y. Combined clipboard and flashlight structure. 2,544,688, Mar. 13.

Kellogg, M. W., Company, The, assignee: *See*—
Layng, Edwin T.
Moorman, Joseph W., and Kelly.

Kelly, Edmund P., Chicago, Ill. Automatic drifting valve. 2,544,793, Mar. 13.

Kelly, Louis J.: *See*—
Moorman, Joseph W., and Kelly.

Kemp, Leonard J., Prescott, Ontario, Canada. Educational puzzle. 2,544,961, Mar. 13.

Kennedy, Bert, Johnstown, N. Y. Glove. 2,545,149, Mar. 13.

Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution unit. 2,544,689, Mar. 13.

Kenney, Mahlon W., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Index for selective automatic phonographs. 2,545,362, Mar. 13.

Kenney, Mahlon W., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Mounting for player arms. 2,545,363, Mar. 13.

Kenyon, William O.: *See*—
Reynolds, Delbert D., and Kenyon.

Kessler, George, St. Louis, Mo. Making laminated wood products. 2,545,286, Mar. 13.

Kilminster, George, Birmingham, assignor of one-half to Ega Electric Limited, Wednesbury, England. Electric switchgear. 2,544,761, Mar. 13.

Kimes, George B., Tulsa, Okla. Calculator for determining fish activity peaks. 2,545,364, Mar. 13.

King Sales & Engineering Co., assignee: *See*—
McGlhon, Leonard.

Kingdon, William V., Indianapolis, Ind. Lockable latch and catch construction. 2,545,038, Mar. 13.

King-Seeley Corporation, assignee: *See*—
Sivacek, Emil E.

Kirby, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tertiary diacyl amine insecticide. 2,545,287, Mar. 13.

Kissell, Michael, Washington, D. C. Attachment for typewriters or like printing mechanisms for producing offsetting of printed impressions. 2,544,998, Mar. 13.

Kitselman, Harry L., assignor to Indiana Steel and Wire Company, Muncie, Ind. Wire netting machine. 2,544,838, Mar. 13.

Kiessig, Ernst F.: *See*—
Gardiner, Duncan B., Kiessig, and Jeannin.
Gardiner, Duncan B., Kiessig, and Keel.

Klopfenstein, Jess D., Chicago, Ill., assignor to The Meyercord Co. Apparatus for effecting the hardening of deposits of ink and like compositions. 2,544,839, Mar. 13.

Knapp, Joseph H., Kansas City, Mo. Water heater. 2,544,927, Mar. 13.

Knudsen, Raymond G., assignor to Snap-On Tools Corporation, Kenosha, Wis. Reversible ratchet mechanism. 2,544,795, Mar. 13.

Koch, Stanley J., Clifton, and R. E. Rutherford, Nutley, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Color television. 2,544,690, Mar. 13.

Koppers Company, Inc., assignee: *See*—
Beecher, Ralph H.
Stahly, Eldon E.

Kostreba, Vincent, Holdingford, Minn. Silo chute closure. 2,545,234, Mar. 13.

Kowatsch, Ferdinand, Chicago, Ill. Bathing trunks with waterproof pocket. 2,544,840, Mar. 13.

Kreps, Harry E., Manor Township, Lancaster County, Pa. Fishing lure. 2,544,796, Mar. 13.

Kroger Company, The, assignee: *See*—
Harsham, Albert, and Deatherage.

Krumbhaar, William, New York, N. Y. Phenol formaldehyde resins. 2,545,150, Mar. 13.

Kugler, Joseph H., and W. E. Lundquist, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coating compositions comprising copolymers of acrylic esters and dicarboxylic acid esters. 2,544,691, Mar. 13.

Kugler, Joseph H., St. Paul, and W. E. Lundquist, Savage, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,544,692, Mar. 13.

Kuhn, Earl T., Pittsburgh, Pa. Garment hanger. 2,544,886, Mar. 13.

Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Timing switch for electric toasters. 2,545,288, Mar. 13.

Kumins, Charles A., Tuckahoe, assignor to Interchemical Corporation, New York, N. Y. Ultramarine and making same. 2,544,693, Mar. 13.

Kumins, Charles A., Tuckahoe, assignor to Interchemical Corporation, New York, N. Y. Making ultramarine. 2,544,694, Mar. 13.

Kumins, Charles A., Tuckahoe, assignor to Interchemical Corporation, New York, N. Y. Making ultramarine pigment. 2,544,695, Mar. 13.

Kymin Osakeyhtiö-Kymmene Aktiebolag, assignee: *See*—
Örnhjelm, Runar M. R.

Ladewig, Olive L., Constantine, Mich. Irrigation tank and cabinet combined. 2,545,089, Mar. 13.

La Fontaine, Joseph V., Portland, Oreg. Rotary cutting and scraping device. 2,544,841, Mar. 13.

Lahmeyer, John D., Tulsa, Okla., and J. T. Callahan, La Feria, Tex., assignors to Industrial Nucleonic Devices, Tulsa, Okla. Radioactivity detector. 2,544,928, Mar. 13.

Lamy, Bernard L. D., Chateauneuf d'Isere, France. Four-wheeled carry scraper. 2,545,235, Mar. 13.

Lang, Frank G., Miami, Fla. Bed elevator. 2,545,289, Mar. 13.

Lang, Henry T., Cleveland, Ohio, assignor to General Electric Company. Open circuiting arrangement for commutator brushes. 2,545,365, Mar. 13.

Langevin, Homer L.: *See*—
Ritterbusch, Harry F., and Langevin.

Lants, Martin J., Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Alternating current measuring device and method. 2,544,696, Mar. 13.

Lanzl, Hans, assignee: *See*—
Nordhem, Eric N.

La Salle, Russell D.: *See*—
Hannah, Charles J., and La Salle.

Lau, Michael F., Bridgeport, Conn. Shoe stretcher and tree. 2,545,090, Mar. 13.

Lawson, James L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Overload protection of high-frequency receivers. 2,544,842, Mar. 13.

Layng, Edwin T., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Preparation of aromatics from petroleum distillates. 2,545,153, Mar. 13.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Siekmann, Harold J., and Kasselmann.

Lee, Floyd J., Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio. Automatic oil tank protective device. 2,545,154, Mar. 13.

Leffer, Frederick A. W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of solid hydrocarbonaceous material. 2,544,843, Mar. 13.

Legg, Keith D., Minneapolis, Minn. Fishing reel control device and brake. 2,544,962, Mar. 13.

Lenkurt Electric Co., Inc., assignee: *See*—
Appert, Kurt E.

Lennon, Frances A., heir and assignee: *See*—
Baskerville, Benjamin J.

Lennox Furnace Co., The, assignee: *See*—
Wilson, John A.

Leonard, Arthur G., Jr., Wilmington, Ill. Manufacture of waterproof paper. 2,544,857, Mar. 13.

Lesniak, Edward J., Detroit, Mich. Utility mixer attachment for tractors. 2,545,236, Mar. 13.

Leteller, Pablo, Santiago, Chile. Indexing mechanism. 2,545,408, Mar. 13.

Lever Brothers Company, assignee: *See*—
Rider, Theodore H., and Gershon.

Levitation Limited, assignee: *See*—
Thornhill, Peter W., and Gosling.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Blast furnace operation. 2,544,697, Mar. 13.

Liautaud, John N., Chicago, Ill., assignor to Chicago Eye Shield Company. Adjustable headband for goggles and the like. 2,545,428, Mar. 13.

Liber, Henri S., assignor, by mesne assignments, to Societe Civile d'Etudes & Inventions Liber (S. E. I. L. I. G.), Paris, France. Case for microfilms. 2,544,844, Mar. 13.

Linde Air Products Company, The, assignee. *See*—
Cowie, John P., and Burch.

Link, Edwin A., Milwaukee, Wis., assignor to McGraw Electric Company. Transformer construction. 2,544,845, Mar. 13.

Linster, John T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of a sulfur dye. 2,544,888, Mar. 13.

Lippincott, Samuel B.: *See*—
Swaney, Miller W., and Lippincott.

Lippmann, Daniel C., New York, N. Y., assignor to Celanese Corporation of America. Comforter. 2,544,797, Mar. 13.

Lippmann, Daniel C., New York, N. Y., assignor to Celanese Corporation of America. Sweatband. 2,544,798, Mar. 13.

Livermore, Jesse L., assignor to Princess Eve Products Corp., New York, N. Y. Retractable brush head. 2,545,091, Mar. 13.

Livingston, Dorothy S., Houston, Tex. Auxiliary load-carrying attachment for tricycles, velocipedes, and the like. 2,544,963, Mar. 13.

Lochridge, Gene C., Los Angeles, Calif. Folding cabinet bed. 2,544,762, Mar. 13.

Lodge, Frank: *See*—
Coffey, Samuel, Haddock, Lodge, Wardleworth, and Wood.

Logan, Nicholas A., Gary, Ind. Vehicle constructional toy. 2,545,155, Mar. 13.

Long, Charles A., assignor to Struthers Wells Corporation, Titusville, Pa. High-pressure closure for autoclaves and the like. 2,545,290, Mar. 13.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Acylamido-hydroxy-propionaphthones. 2,545,092, Mar. 13.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Acylamino-acyloxy-propionaphthones. 2,545,093, Mar. 13.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Acylated amino diols. 2,545,094, Mar. 13.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Polyacylated amino diols. 2,545,095, Mar. 13.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Naphthyl-amino-propanediols. 2,545,096, Mar. 13.

Lorand, Eugene J.: *See*—
Bishop, William T., Lorand, and Reese.

Lorens, Frederick W., Davis, Calif., and C. W. Sondern, Mendham, assignors to White Laboratories, Incorporated, Newark, N. J. Poultry fattening composition. 2,544,698, Mar. 13.

Lowell Specialty Company, assignee: *See*—
Oya, John E., and Pinke.

Lucas, George R., assignor of fifty per cent to R. H. McLeod, Detroit, Mich. Eyeshield. 2,545,097, Mar. 13.

Lundquist, William E.: *See*—
Kugler, Joseph H., and Lundquist.

Lupo, Joseph, Mount Vernon, N. Y. Polishing compound and carrier therefor. 2,545,291, Mar. 13.

Lustrafil Limited, assignee: *See*—
Barker, Sydney W.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,544,699, Mar. 13.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,544,700, Mar. 13.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,544,701, Mar. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,544,702, Mar. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,544,703, Mar. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,544,704, Mar. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,544,705, Mar. 13.

Lyons, Leonard J.: *See*—
Baker, Bill P., and Lyons.

Lytle, Donald B.: *See*—
Messinger, William, and Lytle.

Måby, Per G., Stockholm, Sweden. Punching tool. 2,545,237, Mar. 13.

Mach, Benjamin W., Chicago, Ill. Cooking utensil. 2,544,846, Mar. 13.

MacLean, James M., Detroit, Mich. Blade for resilient wheels. 2,544,889, Mar. 13.

MacMillin, Howard F.: *See*—
Tucker, Warren R., and MacMillin.

MacMillin, Norman F., and H. M. Purcell, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Radial vane pump. 2,545,238, Mar. 13.

Macy, James C., New Cumberland, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,545,429, Mar. 13.

Madsen, Paul S., Bethany, and G. W. Goodson, West Haven, assignors to The Seamless Rubber Company, New Haven, Conn. Closure means for therapeutic appliances. 2,544,929, Mar. 13.

Magnusson, Joseph, Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Labeling machine. 2,545,292, Mar. 13.

Maier, August R.: *See*—
Keim, Charles J., Maier, and Quayle.

Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Temperature control apparatus. 2,545,206, Mar. 13.

Malek, Sidney K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pilot burner and flame detector assembly. 2,544,930, Mar. 13.

Malesky, Victor G., Dearborn, Mich. Flexible rifle and shotgun cleaning shaft. 2,544,847, Mar. 13.

Mallina, Rudolph F.: *See*—
Hickman, Clarence N., Graumann, and Mallina.

Mallory, Marion, Detroit, Mich. Opposed piston engine. 2,545,098, Mar. 13.

Malowan, John E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Phosphorus- and nitrogen-containing compounds. 2,544,706, Mar. 13.

Mandel, Harold: *See*—
Nidetch, Nathan, and Mandel.

Mandryl, Joseph J., Brooklyn, assignor to Brickmaster, Inc., New York, N. Y. Brickmaking machine. 2,545,366, Mar. 13.

Mangeisdorf, Frank H., Burlingame, Calif. Apparatus for decorticating and decelling beet seeds with recirculation of oversize seeds. 2,545,367, Mar. 13.

Mann, Adelaide S., New York, N. Y. Panty construction. 2,545,099, Mar. 13.

Marco, John L., Flushing, assignor to Goodman-Kleiner Co., Inc., New York, N. Y. Apparatus for insufflating the fallopian tubes. 2,544,931, Mar. 13.

Marco, John L., Flushing, assignor to Goodman-Kleiner Co., Inc., New York, N. Y. Vaginal speculum. 2,544,932, Mar. 13.

Margolis, Louis, Washington, D. C. Mechanical device for relamping fluorescent fixtures. 2,544,707, Mar. 13.

Margolis, Louis, Washington, D. C. Fluorescent fixture having swingable members carrying the lamps. 2,544,708, Mar. 13.

Mark, Richard S., Arcadia, F. N. Schwend, Monterey Park, and C. P. Stowell, Alhambra, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Factor entering mechanism. 2,544,848, Mar. 13.

Marshall, Harry B., Toronto, and C. A. Sankey, St. Catherines, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Producing vanillin. 2,544,999, Mar. 13.

Martin, Earnest E., Redondo Beach, assignor to R. Walsh, Los Angeles, Calif. Valve and fitting. 2,545,000, Mar. 13.

Martin, Glenn L., Company, The, assignee: *See*—
Hill, Thomas C., and Coulson.

Martin, John G., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic brake automatic adjuster. 2,544,849, Mar. 13.

Martin, Joseph A.: *See*—
Harrington, Ferris T., Martin, Elliott, and Halsen.

Martin, William E., Kewanee, Ill. Garment hanger. 2,545,156, Mar. 13.

Martindell, Frank, Western Springs, assignor to Teletype Corporation, Chicago, Ill. Message numbering device. 2,545,207, Mar. 13.

Martonics, Charles, Cleveland, Ohio. Invalid's chair. 2,544,850, Mar. 13.

Marvin, Edgar S.: *See*—
Harvey, Douglass C., and Marvin.

Mason, John P., Westwood, Mass., assignor to Armstrong Cork Company, Lancaster, Pa. Preparing low molecular weight isocyanates. 2,544,709, Mar. 13.

Mattmann, Frank F., North Bergen, N. J. Self-cleaning rake. 2,545,001, Mar. 13.

Maulbetsch, John L.: *See*—
McCarthy, Thomas O., and Maulbetsch.

Max, Sidney, assignee: *See*—
Peck, Henry P.

McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of unsaturated halocarbons with lead tetrafluoride. 2,545,430, Mar. 13.

McCall, John D., Powell, Wyo. Designing and laying out plans of building. 2,545,409, Mar. 13.

McCann, De Witt, Los Angeles, Calif. Yielding vehicle step. 2,544,799, Mar. 13.

McCarthy, Thomas O., and W. W. Thomas, U. S. Navy. Electrical repeater system. 2,544,710, Mar. 13.

McCarthy, Thomas O., U. S. Navy, and J. L. Maulbetsch, Port Washington, N. Y. Performance recording instrument for direction indicators. 2,544,851, Mar. 13.

McClellen, David A.: *See*—
Stratton, Verlin K., and McClellen.

McCrary, Ulysses R., Johnson City, Tenn. Tire demounting machine with circumferentially distributed thrust members. 2,545,157, Mar. 13.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Oxidation resisting hydrocarbon products. 2,545,158, Mar. 13.

McDonald, Gordon R., Erie, Pa., assignor to General Electric Company. Electrical power control circuit. 2,545,368, Mar. 13.

McGeady, Edward F., Baltimore, Md. Can draining machine. 2,545,293, Mar. 13.

McGihon, Leonard, San Leandro, Calif., assignor to King Sales & Engineering Co. Processing apparatus for fruits and vegetables. 2,545,159, Mar. 13.

McGraw Electric Company, assignee: *See*—
Link, Edwin A.
Wiegand, David E.

McIntyre, Frank L., Rochester, N. Y. Grape vineyard or orchard hoeing machine. 2,545,100, Mar. 13.

McKay, Kenneth G.: *See*—
Johnson, John B., and McKay.

McLeod, Raymond H., assignee: *See*—
Lucas, George R.

McMahon, Edward M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Di-2-ethyl-hexyl diglycollate. 2,544,890, Mar. 13.

McNamee, Raymond W.: *See*—
Guest, Howard R., and McNamee.

McQuiston, Frank W., Jr., Ouray, Colo., and T. G. Chapman, Tucson, Ariz. Recovery of gold or silver. 2,545,239, Mar. 13.

Meaker, John W., New York, N. Y. Electrical perforating apparatus. 2,545,208, Mar. 13.

Meehan, Reginald J., East Hartford, Conn. Discerptible ski. 2,545,209, Mar. 13.

Mellies, William O., Chicago, Ill., assignor to International Harvester Company. Gas nozzle with multiple slot-type ports. 2,544,933, Mar. 13.

Merry Hull & Company, assignee: *See*—
Geissmann, Gladys W.

Messinger, William, Philadelphia, Pa., and D. B. Lytle, Bronxville; said Lytle assignor to Time, Incorporated, New York, N. Y. Anode control for plating tanks. 2,545,294, Mar. 13.

Metalloy Corporation, assignee: *See*—
Ellestad, Reuben B., and Babbitt.

Meunier, Marcel, Cuesmes, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Rotating diaphragm transducer for solid material testing. 2,545,101, Mar. 13.

Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastics containing paramethoxyphenyl para-anisate. 2,544,891, Mar. 13.

Meyercord Co., The, assignee: *See*—
Klopfenstein, Jess D.

Michaelis, Karl, Paris, France. Chair. 2,544,800, Mar. 13.

Michigan Steel Tube Products Company, assignee: *See*—
Jones, Clevoe D.

Mikhalapov, George, Far Hills, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for welding with gas shields having laminar flow. 2,544,711, Mar. 13.

Millar, Norval P., Danvers, Mass., assignor to General Electric Company. Hall effect frequency meter. 2,545,369, Mar. 13.

Miller, Albert W., Jamaica, N. Y. Coupling. 2,544,712, Mar. 13.

Miller, Charles F., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing vat dyes on polyacrylonitrile fabrics using potassium thiocyanate. 2,544,892, Mar. 13.

Miller, Elliot A., assignor to Odora Company, Inc., New York, N. Y. Storage container and packet for emitting noxious fumes therein. 2,545,160, Mar. 13.

Miller, Erwin E., Ravenna, Ohio. Swing. 2,545,295, Mar. 13.

Miller, Ira A., Dallas, Tex. Locating leaks in well pipes. 2,545,102, Mar. 13.

Miller, Leslie C., Macedonia, Ohio. Machine for molding concrete blocks. 2,545,002, Mar. 13.

Miller, Merle W., Philadelphia, Pa. Automatically adjustable rotary turbine-type hydraulic coupling. 2,544,713, Mar. 13.

Miller Pottery Engineering Company, assignee: *See*—
Wahl, Albert J.

Miller, William J., Toledo, Ohio, assignor of one-half to J. D. Stone. Mechanism for antenna tuning. 2,545,003, Mar. 13.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Malek, Sidney K.
Newton, Alwin B.
Nina, Anthony A.
Taylor, Daniel G.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Kugler, Joseph H., and Lundquist.

Mitchel, Carl E., San Francisco, Calif. Shoulder pad. 2,545,039, Mar. 13.

Mittelmann, Eugene, Chicago, Ill. Constant frequency control for high-frequency heating apparatus. 2,545,296, Mar. 13.

Mittelmann, Eugene, Chicago, Ill. Oscillation frequency control. 2,545,297, Mar. 13.

Mittelmann, Eugene, Chicago, Ill. Rectifier. 2,545,298, Mar. 13.

Mittelmann, Eugene, Chicago, Ill., assignor to Sandvik Steel, Inc., New York, N. Y. Method and machine for making rubber coated steel belts. 2,545,370, Mar. 13.

Modern Products Corporation, assignee: *See*—
Pattyn, Pierre P.

Modglin Company, Inc., assignee: *See*—
Montero, Bruno.

Moehl, Reno W.: *See*—
Webb, Glenn M., Moehl, and Murray.

Mohr, Paul H.: *See*—
Audrieth, Ludwig F., and Mohr.

Mojonnier Bros. Co., assignee: *See*—
Mojonnier, Timothy and O. W.

Mojonnier, Oliver W.: *See*—
Mojonnier, Timothy and O. W.

Mojonnier, Timothy, Oak Park, and O. W. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros. Co. Heat exchange receptacle. 2,545,371, Mar. 13.

Monmouth Laboratories, Inc., assignee: *See*—
Cassell, Joseph L.

Monsanto Chemical Company, assignee: *See*—
Malowan, John E.
Sido, George R.

Monserrat, Enrique, Manila, P. I. Display apparatus. 2,545,103, Mar. 13.

Montero, Bruno, assignor to Modglin Company, Inc., Los Angeles, Calif. Making fibers. 2,544,763, Mar. 13.

Moore, Edward E., Yonkers, assignor to Stein, Hall & Company, Inc., New York, N. Y. Water-resistant adhesive. 2,544,714, Mar. 13.

Moore, George W., Hollis, N. Y. Core assembly for clay modeling. 2,545,210, Mar. 13.

Moorman, Joseph W., Alpine, and L. J. Kelly, Tenafly, assignors to The M. W. Kellogg Company, Jersey City, N. J. Temperature control in regeneration of contact agents. 2,545,041, Mar. 13.

Moran, Gerald L.: *See*—
Fortner, David F., and Moran.

Morberg, Kenneth F., assignor to H. A. Torstenson, Chicago, Ill. Magazine closure for tacking machines. 2,545,372, Mar. 13.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Cuff link with movable head. 2,544,893, Mar. 13.

Morgan, Ralph H., assignor to Charles Drexler Co., Inc., Indianapolis, Ind. Multispeed motor head unit. 2,545,040, Mar. 13.

Morrell, Charles E., Roselle, and R. F. Robey, Cranford, N. J., assignors to Standard Oil Development Company. Ethyl alcohol production. 2,545,161, Mar. 13.

Morse Boulger Destructor Company, assignee: *See*—
Corydon, Jeff, II.

Motom G. m. b. H., assignee: *See*—
Falchetto, Battista G.

Moule, Rex E., assignor to Norton Company, Worcester, Mass. Apparatus and method for handling capsules. 2,545,299, Mar. 13.

Muchmore, Robert B., Hempstead, N. Y., assignor to The Sperry Corporation. Wave guide modulating and switching apparatus. 2,544,715, Mar. 13.

Muller, Albert, Plainfield, and G. J. Gibson, New Providence, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding gun. 2,544,801, Mar. 13.

Muly, William, Baltimore, Md., and J. J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company. Detecting incipient after-burning during regeneration. 2,545,162, Mar. 13.

Murray, Maurice J.: *See*—
Webb, Glenn M., Moehl, and Murray.

Musial, John, Detroit, Mich. Ice jam remover for bridges. 2,545,104, Mar. 13.

Nadler, Martin L.: *See*—
Hodges, Frank J., and Nadler.

Nase, Benjamin M., Lederach, assignor to Superior Tube Company, Norristown, Pa. Ion trap and making it. 2,544,934, Mar. 13.

Nash-Kelvinator Corporation, assignee: *See*—
Philipp, Lawrence A.

Naster, Bert K., Chicago, Ill. Silent energizing device for use with fluorescent lamp assemblies. 2,545,163, Mar. 13.

Naster, Bert K., Chicago, Ill. Instant-start device for energizing a pair of fluorescent lamps. 2,545,164, Mar. 13.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Brettell, George A., Jr., and Bradley.
Colburn, Allan P., and Dodge.
Fonda, Gorton R.
Hadley, Lawrence N., Jr.
Hickman, Clarence N., Graumann, and Mallina.
Jackson, Frank H.
Lawson, James L.
Raamussen, Volney K.
Svoboda, Antonin.
Walker, Earl C.

Neal, Duane R.: *See*—
Wallis, Harold B., and Neal.

Negus, Albert I., Jr., Madison, Wis. Disk dispenser. 2,545,042, Mar. 13.

Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Counting apparatus. 2,544,894, Mar. 13.

Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. System and apparatus for controlling and counting the output of screw machines. 2,544,895, Mar. 13.

Nette, Henry C.: *See*—
Alexanderson, Howard A., and Nette.

Newcomb, Benjamin R.: *See*—
Dickhaut, Charles A., and Newcomb.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Exhaust gas turbine with variable nozzle area for maintaining constant pressure drop through the turbine. 2,544,852, Mar. 13.

Nidetch, Nathan, and H. Mandel, assignors to Starrel Company, Inc., Brooklyn, N. Y. Chair for children. 2,544,896, Mar. 13.

Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Filament-plate voltage system. 2,544,716, Mar. 13.

Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Mass spectrometer apparatus. 2,544,717, Mar. 13.

Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Ion collector for mass spectrometers. 2,544,718, Mar. 13.

Nilan, Charles P.: *See*—
Jacoby, Harold E., and Nilan.

Nina, Anthony A., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Self-balancing potentiometer circuit having illuminated indicating dial. 2,545,373, Mar. 13.

Niskala, George E.: *See*—
Niskala, Wilho V. and G. E.

Niskala, Wilho V., Minneapolis, Minn., and G. E. Niskala, Tooele, Utah. Chicken feeding trough. 2,545,105, Mar. 13.

Nixon, Stanhope, Nixon, N. J. Apparatus for and method of fabricating sheets of plastic compositions. 2,545,300, Mar. 13.

Nordhem, Eric N., Chicago, assignor of one-half to H. Lansl, Highland Park, Ill. Shaving device. 2,544,897, Mar. 13.

North American Aviation, Inc., assignee: *See*—
Peterson, Paul F.

North American Research Corporation, assignee: *See*—
Carnes, Herbert W., and Thomas.

Northrop Aircraft, Inc., assignee: *See*—
Baker, Bill P., and Lyons.
Grill, Raymond E., and White.
Oates, Charles E.
Parker, Stanley R.

Norton Company, assignee: *See*—
Coes, Loring, Jr.
Moule, Rex E.

Nottingham, James A.: *See*—
Bergey, Stanley L., and Nottingham.

Notvest, Robert W., Affton, Mo., assignor to American Brake Shoe Company, New York, N. Y. Electrolytic determination of lead and copper. 2,544,802, Mar. 13.

Nugent, Corliss D., Winnetka, assignor to Wm. W. Nugent & Co., Inc., Chicago, Ill. Two-stage filter in single housing. 2,545,374, Mar. 13.

Nugent, Wm. W., & Co., Inc., assignee: *See*—
Nugent, Corliss D.

Nunn, George W., Surrey, England. Type lever arrangement for stenographic machines. 2,545,375, Mar. 13.

Oates, Charles E., Gardena, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Throttle reversing linkage. 2,544,853, Mar. 13.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electromagnetic circuit breaker. 2,544,719, Mar. 13.

Obszarny, Thedore, and J. Schmidt, assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Centering device for beams of cathode-ray tubes. 2,544,898, Mar. 13.

O'Dell, Boyd L., Columbia, Mo., assignor to Parke, Davis & Company, Detroit, Mich. Dihydropteroylglutamic acid and preparing the same. 2,545,305, Mar. 13.

Odenthal, Alvin L., Los Angeles, Calif. Electric lamp bulb changer. 2,545,043, Mar. 13.

O'Donnell, James, Los Angeles, Calif. Sewage disposal equipment. 2,545,301, Mar. 13.

Odora Company, Inc., assignee: *See*—
Miller, Elliot A.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Gas-solid contacting apparatus, including means for stripping solid particles. 2,545,165, Mar. 13.

Ohio Corrugating Company, The, assignee: *See*—
Vaughn, Harold G.

Oil Well Supply Company, assignee: *See*—
Keim, Charles J., Maier, and Quayle.

Olin Industries, Inc., assignee: *See*—
Audrieth, Ludwig F., and Mohr.
Hancox, Robert R., Tuer, and Stutzman.

Ontario Paper Company Limited, The, assignee: *See*—
Marshall, Harry B., and Sankey.

Oppenheimer, Samuel P., assignee: *See*—
Wilson, Paul B., Jr., and Oppenheimer.

Örner, Otto H., Hudiksvall, Sweden. Producing boards. 2,544,935, Mar. 13.

Örnhjelm, Runar M. R., assignor to Kymin Osakeyhtiö-Kymmene Aktiebolag, Kuusankoski, Finland. Electrolytic cell with mercury cathode. 2,545,376, Mar. 13.

Örtenblad, Ture, and B. A. Johansen, Goteborg, Sweden. Film reel. 2,545,004, Mar. 13.

Ospina-Racines, Eduardo, Bogota, Colombia. Pneumatic toy. 2,544,720, Mar. 13.

Otley, Jesse D., St. Davids, Pa. Grain drier and crib. 2,545,166, Mar. 13.

Oys, John E., and A. H. Pinke, Hastings, Minn., assignors to Lowell Specialty Company, Lowell, Mich. Locking and release mechanism for pressure vessel closures. 2,544,854, Mar. 13.

Paden, Frederick T., United States Army, Collingswood, N. J. Hinge for trunks or lockers. 2,544,721, Mar. 13.

Palta, Walter J.: *See*—
Green, Arthur D., and Palta.

Parisi, Jules T., Chicago, Ill. Self-cleaning conveyer bucket. 2,545,377, Mar. 13.

Parke, Davis & Company, assignee: *See*—
Long, Loren M., and Trontman.
O'Dell, Boyd L.
Pfiffner, Joseph J.

Parker, Stanley R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Tail wheel jack. 2,544,855, Mar. 13.

Parker, William N.: *See*—
Garner, Lloyd P., Parker, and Harbaugh.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Applicator for radio-frequency heating. 2,545,106, Mar. 13.

Parkes, James A., Birmingham, England. Pump connector. 2,544,764, Mar. 13.

Patoe, Edward, New York, N. Y. Sugar dispenser and strainer. 2,545,240, Mar. 13.

Pattyn, Pierre P., Detroit, Mich., assignor to Modern Products Corporation. Apparatus for producing notes and sounds of a musical character. 2,544,722, Mar. 13.

Pearson, Acy L., Memphis, Tenn. Tree moving apparatus. 2,545,241, Mar. 13.

Peck, Henry P., Cromwell, assignor of fifty per cent to S. Max, West Hartford, Conn. Door hinge arm. 2,545,378, Mar. 13.

Pedersen, Hans V., Marshalltown, Iowa, assignor to Combustion Engineering-Superheater, Inc. Flash calcining furnace. 2,545,410, Mar. 13.

Pennsylvania Crusher Company, assignee: *See*—
Hartshorn, Stanley D.

Pennsylvania Transformer Company, assignee: *See*—
Horelick, Samuel, and Sefton.

Peper, Walter S., Flushing, N. Y. Household heating system. 2,545,107, Mar. 13.

Peres Lias, Jose R., Mexico City, Mexico. Flask. 2,545,302, Mar. 13.

Perlin, Maurice, Chicago, Ill. Toothbrush holder. 2,544,856, Mar. 13.

Perret-Bit, Roger J., Chambery, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Device for regulation of the resistance of an electrolytic cell. 2,545,411, Mar. 13.

Perret-Bit, Roger J., Chambery, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Apparatus for the regulation of current in an electrolytic cell. 2,545,412, Mar. 13.

Perret-Bit, Roger J., Chambery, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Apparatus for automatic regulation of electrolytic cells. 2,545,413, Mar. 13.

Perry, Chester N., North Vassalboro, Maine. Automatic filling guide for textile looms. 2,544,803, Mar. 13.

Perwas, Ludwig F., New York, N. Y. Pressure feed fountain brush. 2,544,857, Mar. 13.

Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.

Peterson, Paul F., Los Angeles, Calif., assignor to North American Aviation, Inc. Bore sighting fixture. 2,544,804, Mar. 13.

Petiteolas, Pierre, Rouen, R. F. M. Sureau, Mont-St.-Aignan, and A. P. Richard, Oissel, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Indazole azo dyestuff. 2,544,936, Mar. 13.

Petrucci, Giuseppe, Caracas, Venezuela. Liquid dispensing apparatus. 2,545,303, Mar. 13.

Pfiffner, Joseph J., assignor to Parke, Davis & Company, Detroit, Mich. Vitamin products and obtaining the same. 2,545,304, Mar. 13.

Phelan, George W., St. Louis, Mo. Portable individual fire escape. 2,544,964, Mar. 13.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporator. 2,544,937, Mar. 13.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporator. 2,544,938, Mar. 13.

Phillips Petroleum Company, assignee: *See*—
Axe, William N.
Brownlow, Cecil L.
Behrig, Alexander R.
St. Clair, Theodore A.
Whitney, William B.

Phillips Publishers, Inc., assignee: *See*—
Freedman, William B., and Gettler.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Boynton.

Pilch, John S., Ware, Mass. Control mechanism for hydraulic pumps. 2,544,805, Mar. 13.

Pinke, August H.: *See*—
Oys, John E., and Pinke.

Pinnow, William: *See*—
Belke, Otis, and Pinnow.

Pittman, Samuel I., Corpus Christi, Tex. Baby feeder. 2,545,414, Mar. 13.

Pittsburgh Corning Corporation, assignee: *See*—
Baker, Arvid H.
Ford, Walter D.

Pittsburgh Saw & Tool Company, assignee: *See*—
Fullerton, Henry J.

Platt, Benjamin, assignor, by mesne assignments, to Platt Luggage, Inc., Chicago, Ill. Luggage, including garment supporting means for long and short garments. 2,545,211, Mar. 13.

Platt Luggage, Inc., assignee: *See*—
Platt, Benjamin.

Pneumatic Scale Corporation, Limited, assignee: *See*—
Magnusson, Joseph.

Podd, Geneva M., Cicero, Ill. Chance controlled game board apparatus. 2,545,415, Mar. 13.

Pollard, Robert O., Jr., Downey, assignor to Richfield Oil Corporation, Los Angeles, Calif. Formation tester and sampler. 2,545,306, Mar. 13.

Pomichter, Frank, Cold Brook, N. Y. Putty remover. 2,545,379, Mar. 13.

Postal, Robert H., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Acoustic coupling device. 2,544,765, Mar. 13.

Potts, Hallie A.: *See*—
Crawford, Charles F., Potts, and Price.

Poulter, Thomas C., Palo Alto, Calif., assignor to Institute of Inventive Research, San Antonio, Tex. Seismic exploration employing elevated charges. 2,545,380, Mar. 13.

Prahl, Frederick A., Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine frame. 2,544,723, Mar. 13.

Preload Enterprises, Inc., assignee: *See*—
Dobell, Curson.

Prentice, James M., South Hadley, Mass. Electric questionnaire game. 2,545,381, Mar. 13.

Pretzger, Bert C., St. Clair Shores, assignor to Illuminating Engineering Company, Hazel Park, Mich. Lighting fixture for elongated tubular fluorescent lamps. 2,545,307, Mar. 13.

Price, George V.: *See*—
Crawford, Charles F., Potts, and Price.

Princess Eve Products Corp., assignee: *See*—
Livermore, Jesse L.

Production Instrument Company, assignee: *See*—
Nelson, Martin L.

Purcell, Howard M.: *See*—
MacMillin, Norman F., and Purcell.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Robb.

Purington, Ellison S.: *See*—
Hammond, John H., Jr., and Purington.

Putnam, Israel, Jr., Sayre, Pa. Canned liquid dispenser. 2,545,108, Mar. 13.

Pye Limited, assignee: *See*—
Bennett, Arthur J.

Quam, Obert G., Marshalltown, Iowa. Illuminating and magnifying map holder. 2,544,859, Mar. 13.

Quayle, Alexander: *See*—
Keim, Charles J., Maier, and Quayle.

Rabeux, Jean, and R. J. Flixecourt, assignors to Societe Saint Freres (Societe Anonyme), Paris, France. Anti-creep warp-lifting roller in circular weaving looms. 2,544,766, Mar. 13.

Radio Corporation of America, assignee: *See*—
Darling, Woodrow.
Garner, Lloyd P., Parker, and Harbaugh.
Greenough, Maurice L.
Groedoff, Igor E.
Hammond, John H., Jr., and Purington.
Parker, William N.
Schock, Robert E.
Swedlund, Lloyd E.
Salkiai, George C.
Tolson, William A.
Weimer, Paul K.

Rahner, Francis V., St. Augustine, Fla. Portable photographic light having an adjustable light chamber. 2,545,382, Mar. 13.

Ransburg, Edwin M., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,544,806, Mar. 13.

Ransburg Electro-Coating Corp., assignee: *See*—
Ransburg, Edwin M.

Rasmussen, Volney K., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket fuse. 2,544,860, Mar. 13.

Rath, Harry F., Glen Flora, Wis. Rake with adjustably connected bottom and back panels. 2,544,861, Mar. 13.

Readman, Bernard L.: *See*—
Gardiner, Duncan B., and Readman.

Redding Manufacturing Company, Inc., assignee: *See*—
Ryan, Albert O.

Reese, John E.: *See*—
Bishop, William T., Lorand, and Reese.

Reeve, Hurum E., Company, assignee: *See*—
Broce, Leon E.

Regan, George P., San Francisco, Calif. Stem support for artistic flower arrangements. 2,545,383, Mar. 13.

Rehrig, Alexander R., Phillips, Tex., assignor to Phillips Petroleum Company. Insulation of catalyst chambers. 2,545,384, Mar. 13.

Reid, George H., Kirby Muxloe, near Leicester, England. Gyroscopic rate-of-turn indicator. 2,544,767, Mar. 13.

Reinhardt, Albrecht E.: *See*—
Barnaby, Roland, and Reinhardt.

Remington Rand Inc., assignee: *See*—
Andersen, Niels Y.
Geerlings, Gerald K.

Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and method for the tenderization of ment. 2,544,724, Mar. 13.

Reppert, Horace E., and H. W. Rosenberg, Philadelphia, Pa. Automatic self-reeling fishing float. 2,545,385, Mar. 13.

Rex, Harold B.: *See*—
Ahrendt, William R., and Rex.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Making cyclic ethers. 2,544,899, Mar. 13.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing an α-methacryloxy propionamide. 2,545,044, Mar. 13.

Rheem Manufacturing Company, assignee: *See*—
Hayes, Michael.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Compensation circuit for electrostatic voltmeters. 2,545,386, Mar. 13.

Richard, André P.: *See*—
Petitcolas, Pierre, Sureau, and Richard.

Richardson, Dora N.: *See*—
Curd, Francis H. S., and Richardson.

Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Threaded coupling. 2,545,167, Mar. 13.

Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,545,168, Mar. 13.

Richfield Oil Corporation, assignee: *See*—
Pollard, Robert O., Jr.

Rider, Theodore H., Hinsdale, and S. D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass. Refining glyceride oils. 2,544,725, Mar. 13.

Rietdyke, Charles: *See*—
Sperry, Roger S., and Rietdyke.

Rissberger, Arthur C., Jr.: *See*—
Isaac, Joseph, and Rissberger.

Ritala, Aaro M., Turku, Finland. Apparatus for radium therapy applied in the cavity of the body. 2,544,939, Mar. 13.

Ritchie, Ben T., Salt Lake City, Utah. Egg cooker. 2,545,308, Mar. 13.

Ritepoint Co., assignee: *See*—
Johnson, Clifford N.

Ritterbusch, Harry F., Southbridge, Mass., and H. L. Langevin, Hartford, Conn., assignors to American Optical Company, Southbridge, Mass. Polishing pad. 2,544,940, Mar. 13.

Robb, Richard M.: *See*—
McBee, Earl T., and Robb.

Roberts, Rex S., Belmont, assignor to Transducer Corporation, Boston, Mass. Weld testing instrument. 2,545,309, Mar. 13.

Robertshaw-Fulton Controls Company, assignee: *See*—
Main, Robert C.

Robey, Richard F.: *See*—
Morrell, Charles E., and Robey.

Robinson, Felix P., Cottonwood, Idaho. Attachment for domestic boilers. 2,545,242, Mar. 13.

Rockwell Manufacturing Company, assignee: *See*—
Gilmore, Edward R.

Rogats, Pearl M., Milwaukee, Wis. Infant's garment. 2,544,726, Mar. 13.

Rogers, Ernest H., Atlanta, Ga., assignor to Saco-Lowell Shops, Boston, Mass. Textile fiber working machine. 2,544,965, Mar. 13.

Romero, José M.: *See*—
Glumer, Gustavo V., and Romero.

Roodner, Sylvia, New York, N. Y. Strapless slip. 2,545,109, Mar. 13.

Rosan, Joseph, North Hollywood, Calif. Threaded insert protector. 2,545,045, Mar. 13.

Rosberger, Max, Newark, N. J. Mattress reinforcing device. 2,545,310, Mar. 13.

Rosberger, Max, Newark, N. J. Sectional mattress holder. 2,545,311, Mar. 13.

Rose Brothers (Gainsborough) Limited, assignee: *See*—
Gilbert, Joseph A.

Rosenberg, Harry W.: *See*—
Reppert, Horace E., and Rosenberg.

Rownd, Wilbur E., Canton, Ohio. Paving block. 2,545,046, Mar. 13.

Ruf, Herman P., New York, N. Y. Skeining machine. 2,545,212, Mar. 13.

Rufolo, Anthony, New York, N. Y. Circuit breaker. 2,544,727, Mar. 13.

Rumsey, Herbert, Jr., Rochester, N. Y. Package encased in plastic sheet material and making the same. 2,545,243, Mar. 13.

Ruse, Albert S., assignee: *See*—
Warrick, Oliver C.

Ruse, Ruby C., assignee: *See*—
Warrick, Oliver C.

Russell, Louis R., Edison, Ohio, assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Adjustable boom for cranes or the like. 2,545,047, Mar. 13.

Russell, Warren O., Rangeley, Maine. Camp broiler. 2,545,005, Mar. 13.

Rutherford, Robert E.: *See*—
Koch, Stanley J., and Rutherford.

Ryan, Albert O., Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Coating filaments. 2,545,006, Mar. 13.

Saari, Mathew, and V. De Cesare, assignors to J. Schoeneman, Incorporated, Baltimore, Md. Garment shield. 2,545,312, Mar. 13.

Saco-Lowell Shops, assignee: *See*—
Rogers, Ernest H.

Safford, Henry S., Little Rock, Ark. Mineral sampling implement. 2,544,728, Mar. 13.

St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Automatic filler. 2,544,734, Mar. 13.

St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. System for filling containers by weight. 2,545,118, Mar. 13.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treating weighted muds for viscosity reduction. 2,545,169, Mar. 13.

Salmons, George C., assignor to A. B. Chance Company, Centralia, Mo. Pole butt ground plate. 2,545,048, Mar. 13.

Samsioe, Frey: *See*—
Tham, Percy H., and Samsioe.

Sandvik Steel, Inc., assignee: *See*—
Mittelmann, Eugene.

Sankey, Charles A.: *See*—
Marshall, Harry B., and Sankey.

Saqui, David S., Detroit, Mich. Counting device. 2,544,900, Mar. 13.

Sartoretto, Paul A., New York, N. Y., assignor to W. A. Cleary Corporation. Killing weeds and the materials used therein. 2,545,431, Mar. 13.

Saunders, Guy L., Toronto, Ontario, Canada. Mine skip. 2,545,170, Mar. 13.

Sawyer, Athena F., San Benito, Tex. Beautician's device for retaining a head in a predetermined position. 2,545,313, Mar. 13.

Schaar, Charles H., Chicago, and G. J. Zilligen, Hazel Crest, Ill. Soap-solution producing hand brushing apparatus. 2,545,110, Mar. 13.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Apochromatic process lens. 2,544,901, Mar. 13.

Schaefer, Frederic C., Stamford, and D. H.-H. Church, Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing condensation products from an aryloxytriazine. 2,545,049, Mar. 13.

Schaubert, Gideon, Bowdon, N. Dak. Hydraulic lift for wheeled farm implements. 2,545,111, Mar. 13.

Schauer, Walter, Annapolis, Md. Fire escape cable drum. 2,544,729, Mar. 13.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Brakehead arrangement. 2,545,213, Mar. 13.

Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electronic tremulant. 2,545,432, Mar. 13.

Schmidt, John: *See*—
Obszarny, Theodore, and Schmidt.

Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Locking circuit and control. 2,545,214, Mar. 13.

Schoeneman, J., Incorporated, assignee: *See*—
Saari, Mathew, and De Cesare.

Schroeder, Carl J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Candle-receiving rack. 2,545,171, Mar. 13.

Schulder, Paul, Brooklyn, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Power transmitter. 2,544,768, Mar. 13.

Schulthels, Harry B., Jr., Pacoima, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Regenerative electromechanical transducer. 2,545,007, Mar. 13.

Schuls, Edward W., assignor to F. Keiper, Rochester, N. Y.; E. P. Keiper, executrix of said F. Keiper, deceased. Electric rattrap. 2,544,730, Mar. 13.

Schuls, Richard E., assignor to Wickes Bros., Saginaw, Mich. Hydraulically operated chuck. 2,544,966, Mar. 13.

Schurr, Otto E., Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Driving dog for lathes. 2,545,050, Mar. 13.

Schutt, Walter G., assignor to Stearns Manufacturing Company, Adrian, Mich. Power control for fluid motors. 2,545,051, Mar. 13.

Schwarzer, Fred, Pottstown, assignor to American Business Systems, Philadelphia, Pa. Paper feeding device. 2,545,387, Mar. 13.

Schwarzer, Fred, Pottstown, assignor to American Business Systems, Philadelphia, Pa. Paper feeding machine. 2,545,388, Mar. 13.

Schwend, Fred N.: *See*—
Mark, Richard S., Schwend, and Stowell.

Scovill Manufacturing Company, assignee: *See*—
Sperry, Roger S., and Rietdyke.

Screw Conveyor Corporation, assignee: *See*—
Escher, Edward P.

Seaman, Lewis F., Augusta, Ga. Clothespin and support therefor. 2,544,967, Mar. 13.

Seamless Rubber Company, The, assignee: *See*—
Madsen, Paul S., and Goodson.

Sebold, William G., Walnut Creek, Calif. Egg cooler. 2,545,052, Mar. 13.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Prefill valve. 2,544,731, Mar. 13.

Seebold, James E., Chicago, Ill., assignor to Hercules Powder Company, Wilmington, Del. Hydrochloric acid recovery. 2,545,314, Mar. 13.

Seeburg, J. P., Corporation, assignee: *See*—
Johnson, Carl G.
Johnson, Kurt T.
Kenney, Mahlon W.

Sefton, Robert C.: *See*—
Horelick, Samuel, and Sefton.

Seigle, William, Dallas, Tex. Fishing float. 2,544,968, Mar. 13.

Senglet, Serge, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Machine tool spindle drive and feed control device. 2,545,008, Mar. 13.

Sensinger, Wilbur A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Selective switch. 2,545,172, Mar. 13.

Shapiro, Joseph, assignee: *See*—
Wixon, Paul E., and Chapman.

Sharpe, William W., Detroit, Mich. Fly swatter. 2,544,215, Mar. 13.

Shaw, Franklin P., Barberton, Ohio. Spring-biased tooth mounting for rotary plows. 2,545,173, Mar. 13.

Shechmeister, Isaac L., U. S. Navy, Berkeley, Calif. Rendering a fabric germicidal. 2,544,732, Mar. 13.

Shell Development Company, assignee: *See*—
Bondi, Arnold A.
Crake, Wilfred S.
David, Werner.
Fetterly, Lloyd C.
Whetstone, Richard R., and Evans.
Whitehill, Lynwood N., and Shokal.
Yates, Wallace J., Folckemer, and Simanton.

Sheridan, John T., Columbia, Ill. Drawing instrument. 2,545,112, Mar. 13.

Shokal, Edward C.: *See*—
Whitehill, Lynwood N., and Shokal.

Schuler, Frederick A., Columbus, Ohio. Filtering media. 2,544,733, Mar. 13.

Sido, George R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Ethers of aryl sulfonamide-formaldehyde reaction products. 2,545,174, Mar. 13.

Siekmann, Harold J., and G. J. Kasselmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe transmission and control mechanism. 2,545,053, Mar. 13.

Sillick, William E., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of soluble nitrocellulose having carboxyl groups in the primary position. 2,544,902, Mar. 13.

Simanton, William A.: *See*—
Yates, Wallace J., Folckemer, and Simanton.

Singer, Harold H., assignee: *See*—
Ellefson, Theodore R.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,544,807, Mar. 13.

Smith, Carl H., Jr.: *See*—
Hoeppner, Conrad H., and Smith.

Smith, Harry R., Glen Ridge, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Electronic circuit voltage control. 2,545,244, Mar. 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,545,113, Mar. 13.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating grease composition. 2,545,114, Mar. 13.

Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Bradt, Charles H.

Smith, Neal J.: *See*—
Babb, John J., and Smith.

Snap-On Tools Corporation, assignee: *See*—
Knudsen, Raymond G.

Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Petitcolas, Pierre, Sureau, and Richard.

Societe Civile d'Etudes & Inventions Liber (S. E. I. L. I. B.), assignee: *See*—
Liber, Henri S.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Senglet, Serge.

Societe Rhodiaceta, assignee: *See*—
Stuchlik, René E. F.

Societe Saint Freres (Societe Anonyme), assignee: *See*—
Rabeux, Jean, and Jacob.

Somer, Väinö H., Lauritsala, and T. E. Brehmer, Jarvenpaa, assignors of one-half to said Somer and one-half to Aktiebolaget Kaukas Fabrik, Lauritsala, Finland. Increasing the sulfur dioxide content of the cooking acid used in the manufacture of sulfite pulp. 2,545,389, Mar. 13.

Son, Anthony J., Boston, assignor to Sonco, Inc., Mattapan, Mass. Dental syringe. 2,545,115, Mar. 13.

Sonco, Inc., assignee: *See*—
Son, Anthony J.

Sondern, Clarence W.: *See*—
Lorenz, Frederick W., and Sondern.

Sousa, John R., Silver Spring, Md. Package assorting machine. 2,545,116, Mar. 13.

Spahn, Emil, assignor to Fr. Sauter A. G. Fabrik elektr. Apparate, Basel, Switzerland. Electrical control system. 2,545,390, Mar. 13.

Sperry Corporation, The, assignee: *See*—
Barnaby, Roland, and Reinhardt.
Bergey, Stanley L., and Nottingham.
Browder, Jay E.
Hamilton, Donald R.
Hansen, William W.
Hansen, William W., and Woodyard.
Muchmore, Robert B.

Sperry, Roger S., and C. Rietdyke, assignors to Scovill Manufacturing Company, Waterbury, Conn. Fume and vapor control for cleansing tanks. 2,544,769, Mar. 13.

Spielman, Felix: *See*—
Stark, Frank, and Spielman.

Spiteri, Joseph, assignor of one-half to C. O. Birkland, Erie, Pa. Baby walking and balancing device. 2,545,009, Mar. 13.

Sproull, Charles W., deceased, Houston, Tex.; E. M. Sproull, executrix of said C. W. Sproull. Pump. 2,545,315, Mar. 13.

Sproull, Edith M., executrix: *See*—
Sproull, Charles W.

Staaf, Richard V., Crafton, Pa., assignor of one-fourth to himself, one-fourth to H. B. Groetzinger, one-fourth to R. W. Staaf, and one-fourth to H. W. Groetzinger, Pittsburgh, Pa. Support for luminous tubing. 2,545,416, Mar. 13.

Staaf, Richard W., assignee: *See*—
Staaf, Richard V.

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Photosensitive coating containing dyes. 2,544,903, Mar. 13.

Stahly, Eldon E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Dimerization of butadiene. 2,544,808, Mar. 13.

Stalker, Edward A., Bay City, Mich. Boundary layer control system for aircraft wings. 2,545,010, Mar. 13.

Standard Oil Company, assignee: *See*—
Schroeder, Carl J.
Voorhees, Vanderveer.

Standard Oil Development Company, assignee: *See*—
Crookston, Robert R.
Green, Arthur D., and Palts.
Lewis, Warren K.
McDermott, John P.
Morrell, Charles E., and Robey.
Muly, William, and Heigl.
Ogorsaly, Henry J.
Salathiel, Richard A.
Swaney, Miller W., and Lippincott.
True, Martin E.

Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Overload release clutch. 2,544,809, Mar. 13.

Stant Manufacturing Company, assignee: *See*—
Friend, Dawson.

Stanton, Robert E., Denver, Colo. Dual socket wrench with separate actuators. 2,545,391, Mar. 13.

Stark, Frank, and F. Spielman, New York, N. Y. Dental attachment for use in connection with removable bridges. 2,545,316, Mar. 13.

Starnes, George F., Hickory, assignor to P. B. Eaton Charlotte, N. C. Check controlled phonograph record playing and selecting mechanism. 2,545,117, Mar. 13.

Starrel Company, Inc., assignee: *See*—
Nidetch, Nathan, and Mandel.

Stearns Manufacturing Company, assignee: *See*—
Schutt, Walter G.

Steel Heddie Manufacturing Company, assignee: *See*—
Kaufmann, John J., Jr.

Steibel, James P., assignor, by mesne assignments to S. C. Johnson & Son, Inc., Racine, Wis. Rotary floor polishing machine having horisontally positioned motor. 2,544,862, Mar. 13.

Steiger, Norbert, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Pyridine compounds and their production. 2,544,904, Mar. 13.

Stein, Hall & Company Inc., assignee: *See*—
Moore, Edward E.

Stitz, Wilbur E., Dayton, Ohio. Refrigerator control. 2,545,054, Mar. 13.

Stone, Julius D., assignee: *See*—
Miller, William J.

Stop-Motion Devices Corp., assignee: *See*—
Voesen, Edward.

Stout, Richard H.: *See*—
Hammond, Leni K., and Stout.

Stowell, Clifford P.: *See*—
Mark, Richard S., Schwend, and Stowell.

Strandberg, Edwin J., Deadwood, S. Dak. Sanding and polishing attachment for electric handsaw supporting and driving units. 2,544,810, Mar. 13.

Stratton, Verlin K., and D. A. McClellen, assignors to Alva Allen North English, Iowa. Trailer hitch assembly. 2,545,119, Mar. 13.

Straub, F. A., Equipment Co., assignee: *See*—
Straub, Frederick A.

Straub, Frederick A., assignor to F. A. Straub Equipment Co., Los Angeles, Calif. Clutch lever booster. 2,544,811, Mar. 13.

Strickler, John C., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Magnetic stacking and packaging machine for cans. 2,544,735, Mar. 13.

Strong, Herbert M.: *See*—
Bundy, Francis P., Strong, and Gregg.

Strub, René, La Chaux-de-Fonds, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,544,941, Mar. 13.

Struthers Wells Corporation, assignee: *See*—
Long, Charles A.

Stuchlik, René E. F., Villeurbanne, assignor to Societe Rhodiaceta, Paris, France. Solution of a conjoint polymer of vinylidene chloride and ethyl acrylate. 2,545,317, Mar. 13.

Stuckler, Fred, Paterson, N. J. Abrading shoe leather. 2,545,392, Mar. 13.

Stukenborg, Louis C., assignor of one-half to Hobson Vandiver, Memphis, Tenn. Plant chopper head. 2,545,318, Mar. 13.

Stump, Orville R., Long Beach, and A. W. Titus, Whittier, Calif. Control valve for deep wells. 2,545,175, Mar. 13.

Stutz, Max A., London, England. Percusive tool. 2,545,245, Mar. 13.

Stutxman, Milo J., *See*—
Hancox, Robert R., Tuer, and Stutxman.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Strub, René.

Sundholm, Edwin P., Albert City, Iowa. Lubricant dispenser. 2,545,319, Mar. 13.

Superior Tube Company, assignee: *See*—
Nase, Benjamin M.

Sureau, Robert F. M.: *See*—
Petiticolas, Pierre, Sureau, and Richard.

Sutton, Ralph L.: *See*—
Karlsson, Eiof K., and Sutton.

Svoboda, Antonin, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Computing linkage. 2,544,863, Mar. 13.

Swaney, Miller W., and S. B. Lippincott, Westfield, N. J., assignors to Standard Oil Development Company. Fungicidal compositions comprising N,N'-bis (4-nitrosophenyl) piperazine. 2,545,176, Mar. 13.

Swank, Inc., assignee: *See*—
Bowder, David H.

Swedlund, Lloyd E., Lancaster, Pa., assignor to Radio Corporation of America. Cathode-ray tube arc-over preventive. 2,545,120, Mar. 13.

Switzer, George W., Mill Valley, Calif. Time selector for electrical mechanisms. 2,545,055, Mar. 13.

Sylvania Electric Products Inc., assignee: *See*—
Fortney, David F., and Moran.
Gartner, Stanley J.

Syracuse Chilled Plow Co., Inc., assignee: *See*—
Young, Austin E.

Szekely, Otto E., U. S. Navy. Rotary impact hand tool. 2,544,736, Mar. 13.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television receiving system. 2,545,420, Mar. 13.

Szopa, Ted V., Dallas, Tex. Multiple-use sheath knife. 2,545,121, Mar. 13.

Tackett, James E., and V. G. Evans, Olive Hill, Ky. Shaper attachment. 2,545,393, Mar. 13.

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,545,056, Mar. 13.

Teletype Corporation, assignee: *See*—
De Boo, Jerome L.
Martindell, Frank.

Tennessee Products & Chemical Corporation, assignee: *See*—
Kamlet, Mortimer J.

Texas Company, The, assignee: *See*—
Atwell, Harold V.

Tham, Percy H., and F. Samsioe, Stockholm, Sweden. Camera having curved film plane to eliminate distortion. 2,544,864, Mar. 13.

Theobald, Clement W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 11-oxabicyclo [4.4.1] undecanes and their preparation. 2,544,737, Mar. 13.

Thomas, Charles C.: *See*—
Carnes, Herbert W., and Thomas.

Thomas, Corliss O., Ralls, Tex. Grain door. 2,544,865, Mar. 13.

Thomas, Laurence H.: *See*—
Kuhn, Frank, and Thomas.

Thomas, Wilbur W.: *See*—
McCarthy Thomas O., and Thomas.

Thompson, Arthur S., Ontario, Calif. Jeweler's lathe. 2,544,812, Mar. 13.

Thompson, Claude A., Victoria, Tex. Attachment for revolving equipment. 2,545,122, Mar. 13.

Thornhill, Peter W., and C. A. Gosling, assignors to Levitation Limited, Leamington Spa, England. Suspension device and shock absorber for vehicles. 2,545,394, Mar. 13.

Tilson, Richard A., and H. M. Garner, Miami, Fla. Sanitary base for refuse cans. 2,545,320, Mar. 13.

Time, Incorporated, assignee: *See*—
Messinger, William, and Lytle.

Tint, Lester M., Palo Alto, Calif. Force measuring device. 2,544,738, Mar. 13.

Tischler, Thomas A., Detroit, Mich. Mechanical butter dispensing machine. 2,544,739, Mar. 13.

Titus, Arthur W.: *See*—
Stump, Orville R., and Titus.

Tobin, Edward J., Norfolk, Conn. Combination lock switch. 2,545,395, Mar. 13.

Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Computing device. 2,545,123, Mar. 13.

Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Fixture hanger for outlet boxes. 2,545,124, Mar. 13.

Torstenson, Henry A., assignee: *See*—
Morberg, Kenneth F.

Toussie, Murray J., West New York, N. J. Baby pants. 2,545,216, Mar. 13.

Townes, Charles H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron camera tube. 2,544,754, Mar. 13.

Transducer Corporation, assignee: *See*—
Roberts, Rex S.
Works, Herbert F.

Travis, Aubrie, Grenada, Miss. Locomotive valve arrester. 2,544,866, Mar. 13.

Troutman, Harvey D.: *See*—
Long, Loren M., and Troutman.

True, Martin E., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Control for power-operated slips. 2,545,177, Mar. 13.

Tucker, Warren R., Dayton, Ohio, and H. F. MacMillin, Cambridge, Mass., assignors to H-P-M Development Corporation, Wilmington, Del. Main cylinder release and pump bypass valve. 2,545,246, Mar. 13.

Tuer, George L., Jr.: *See*—
Hancox, Robert R., Tuer, and Stutxman.

Tumminello, Sam, St. Louis, Mo. Plumb point locator. 2,545,321, Mar. 13.

Tupy, Stephen P., Bridgeport, Conn. Four-in-hand tie holder. 2,545,322, Mar. 13.

Ulinski, Bronislaus I., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift mechanism for industrial trucks. 2,545,417, Mar. 13.

Underwood, James E., assignor to The West Company, Phoenixville, Pa. Making tear-off container caps. 2,544,969, Mar. 13.

Union Carbide and Carbon Corporation, assignee: *See*—
Guest, Howard R., and McNamee.
Young, Donald M. and F. G., Jr., and Guest.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O., and Imhoff.

United Shoe Machinery Corporation, assignee: *See*—
Fossa, Joseph.
Prahl, Frederick A., Jr.

Universal Oil Products Company, assignee: *See*—
Chenicek, Joseph A.
Leffer, Frederick A. W.
Webb, Glenn M., Moehl, and Murray.

University of Minnesota, Regents of the, assignee: *See*—
Nier, Alfred O. C.

Vandenberg, Clarence E., Blue Island, Ill., assignor to International Harvester Company. Chain link interspersing machine. 2,544,942, Mar. 13.

Vandiver, Hobson, assignee: *See*—
Stukenborg, Louis C.

Van Deusen, Werter F., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic relief images. 2,544,905, Mar. 13.

Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Image-forming composition and making it. 2,545,125, Mar. 13.

Varela, Arthur A., Washington, D. C. Radio pulse communication system. 2,544,740, Mar. 13.

Varela, Arthur A., Washington, D. C. Expanding a received pulse radio signal. 2,544,741, Mar. 13.

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container with extensible spout and attaching means therefor. 2,545,178, Mar. 13.

Veal, Thomas G., and G. P. Waugh, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl asine sound track coating. 2,544,906, Mar. 13.

Verdier Dufour, Jean F. M., Paris, France. Casting objects from magnesia cements. 2,545,323, Mar. 13.

Vibra-Sonic, Inc., assignee: *See*—
Volf, Christian A.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B., Klesaig, and Jeannin.
Gardiner, Duncan B., Klesaig, and Keel.
Gardiner, Duncan B., and Readman.
Harrington, Ferris T., Martin, Elliott, and Haisen.

Vingerhoets, Antonius W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Milliampere-seconds relay for radiographic control systems. 2,545,247, Mar. 13.

Virginia Polytechnic Institute, assignee: *See*—
Hurt, Robert H.

Visking Corporation, The, assignee: *See*—
Adams, George M.

Volf, Christian A., Beverly Hills, Calif., assignor to Vibra-Sonic, Inc. Cubic loud-speaker cabinet. 2,544,742, Mar. 13.

Von Glahn, William H., and L. N. Stanley, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes containing resorcinol sulfonic acids as coupling components. 2,545,057, Mar. 13.

Voorhees, Vanderyeer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Submarine marker with sonic signal generators. 2,545,179, Mar. 13.

Voosen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Stop motion for spring needle knitting machines. 2,545,324, Mar. 13.

Vrabcak, Richard, Flushing, N. Y. Pallet. 2,544,743, Mar. 13.

Vreugdenhil, Adrianus, Amsterdam, Netherlands. Launching a ship's lifeboat, raft, or similar appliance. 2,545,011, Mar. 13.

Wahl, Albert J., Pleasant Hills, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Dinnerware decorating apparatus. 2,545,396, Mar. 13.

Waldron, John, Corporation, assignee: *See*—
Dickhaut, Charles A., and Newcomb.

Walker, Doreen, executrix: *See*—
Blumlein, Alan D.

Walker, Earl C., Altadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,545,217, Mar. 13.

Wall, James L., Washington, Ga. Blower. 2,544,813, Mar. 13.

Wallis, Harold B., and D. R. Neal, assignors to General Motors Corporation, Dayton, Ohio. Safety switch for covers of washing machines. 2,544,867, Mar. 13.

Wallis, Leonard F., Wellington, New Zealand. Formation of rubber treads on vehicle tires. 2,544,868, Mar. 13.

Walraven, Frances C., Atlanta, Ga. Orthoptic instrument. 2,545,180, Mar. 13.

Walsh, John S., San Francisco, Calif. Lighting fixture for use with elongated tubular lamps. 2,545,058, Mar. 13.

Walsh, Ralph, assignee: *See*—
Martin, Earnest E.

Wampler, Melville E., Chicago, Ill. Stapling device. 2,545,397, Mar. 13.

Ward, Arthur B., Gill, Mass. Litter conditioner and scratch feed or lime distributor. 2,545,059, Mar. 13.

Wardleworth, James: *See*—
Coffey, Samuel, Haddock, Lodge, Wardleworth, and Wood.

Waroblew, John, Farrell, Pa. Fish lure. 2,545,398, Mar. 13.

Warren, Emmet J., Detroit, Mich. Assembly for tiltably mounting a circular saw on an arbor. 2,544,814, Mar. 13.

Warrick, Oliver C., assignor to A. S. and R. C. Ruse, Brownsburg, Ind. Grave vault construction. 2,545,060, Mar. 13.

Watkins, Herbert E., Clearwater, Fla. Meat grinding blade sharpener. 2,545,399, Mar. 13.

Watson, Edward R., Youngstown, Ohio. Making detachable cue tips. 2,544,970, Mar. 13.

Watters, Joseph C., assignee: *See*—
Henry, Nelson B.

Waugh, George P.: *See*—
Veal, Thomas G., and Waugh.

Wayne Pump Company, The, assignee: *See*—
Dahlem, J. Gordon.

Weaver, Robert E., Ziegler, Ill. Ditch digging machine. 2,544,815, Mar. 13.

Webb, Glenn M., Western Springs, R. W. Moehl, Congress Park, and M. J. Murray, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of a silica-magnesia catalyst. 2,544,869, Mar. 13.

Weber, Frank P., Hastings, Nebr., and M. J. Carmody, Parkston, S. Dak. Discriminating acoustic signal detector. 2,545,218, Mar. 13.

Weber, Karl B., Pittsburgh, Pa. Fastening clip for anti-skid tire chains. 2,545,061, Mar. 13.

Wedler, Frederick C., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Continuous system of extracting. 2,544,816, Mar. 13.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Color television receiver. 2,545,325, Mar. 13.

Weiss, Albert, Bassersdorf, Switzerland. Outboard support for the arm of a radial boring machine. 2,545,181, Mar. 13.

Wells, Harold D., Glens Falls, N. Y. Paper stock refining machine. 2,544,971, Mar. 13.

Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Moisture tester. 2,544,943, Mar. 13.

West Company, The, assignee: *See*—
Underwood, James E.

Westberg, Per, assignor to Aktiebolaget Alona, Orebro, Sweden. Sole edge roughing-up machine. 2,544,870, Mar. 13.

Westfall, Anthony and N., Detroit, Mich. Trolling extension for fishing lines. 2,545,326, Mar. 13.

Westfall, Norman: *See*—
Westfall, Anthony and N.

Westinghouse Electric Corporation, assignee: *See*—
Anderson, Harold.
Ashbaugh, John H., and Wolfert.
Rentschler, Harvey C.

Whetstone, Richard R., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of polyallyl-type alcohols from polyallyl-type formates. 2,545,182, Mar. 13.

Whetstone, Richard R., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of polyallyl-type alcohols from polyallyl-type formates. 2,545,183, Mar. 13.

White, Charles S., Dearborn, assignor, by mesne assignments, of one-half to A. E. Wilson and one-half to H. J. Heiden, Detroit, Mich. Metal curtain. 2,545,400, Mar. 13.

White, Denis F., Indianapolis, Ind. Table leg clamping bracket. 2,544,817, Mar. 13.

White Laboratories, Incorporated, assignee: *See*—
Lorens, Frederick W., and Sondern.

White, Vernon L.: *See*—
Grill, Raymond E., and White.

Whitehill, Lynwood N., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Diallyl esters and polymers thereof. 2,545,184, Mar. 13.

Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Processing of fatty acids and making grease therefrom. 2,545,126, Mar. 13.

Whittington, Paul E., Arlington County, Va. Ventilating insole. 2,545,062, Mar. 13.

Wickes Bros., assignee: *See*—
Schuls, Richard E.

Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Restricted service automatic telephone system. 2,544,944, Mar. 13.

Wiegand, David E., Villa Park, Ill., assignor to McGraw Electric Company. Three-phase transformer. 2,544,871, Mar. 13.

Wiesner, Jerry C., Granville, and J. R. Carey, Albany, N. Y. Immersion heater for liquids. 2,545,418, Mar. 13.

Williams, Harry E., assignor to Williams Patent Corporation, Chicago, Ill. Combination antitilt and restoring circuit for amusement game apparatus. 2,544,945, Mar. 13.

Williams Patent Corporation, assignee: *See*—
Williams, Harry E.

Williams, Platt S., assignor of one-third to F. P. Cleary, Long Beach, Calif. Telescope gun sight mounting. 2,545,419, Mar. 13.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Adjustable diameter pulley. 2,545,327, Mar. 13.

Willis, Edward V., Port Washington, N. Y. Spinnaker sail. 2,544,770, Mar. 13.

Wilson, A. E., assignee: *See*—
White, Charles S.

Wilson, John A., Columbus, Ohio, assignor to The Lennox Furnace Co., Marshalltown, Iowa. Pump assembly for liquid fuel burners. 2,544,907, Mar. 13.

Wilson, Paul B., Jr., White Plains, and S. P. Oppenheimer, New York, N. Y.; said Wilson assignor to said Oppenheimer. Controlled high-frequency system. 2,545,328, Mar. 13.

Winslow, Charles A., Oakland, Calif. Trolling gear. 2,545,185, Mar. 13.

Winston, William B., Odessa, Tex. Measuring tape dispenser and anchor. 2,544,908, Mar. 13.

Winzen, Otto C. and V. H., Minneapolis, Minn. Cargo landing apparatus. 2,545,248, Mar. 13.

Winzen, Vera H.: *See*—
Winzen, Otto C. and V. H.

Witham, Leonard, Oceanside, N. Y. Tool for cleaning and polishing tubing ends and fittings. 2,545,329, Mar. 13.

Wittmayer, S. Alexander, New York, N. Y. Pivoted cover for ring watches and the like. 2,545,219, Mar. 13.

Wixon, Paul E., Reisterstown, and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Mechanism for die-cutting body blanks from continuous strip material. 2,545,401, Mar. 13.

Wnuk, Joseph R., South Milwaukee, Wis. Lunch receptacle. 2,545,127, Mar. 13.

Wohl, Benjamin, Lancaster, Pa. Key case. 2,545,012, Mar. 13.

Wolcott, Samuel K., Jr., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Balanced valve. 2,545,220, Mar. 13.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway draft appliance. 2,545,330, Mar. 13.

Wolfe, Harley H., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Dispensing pump having motor-driven hose retraction. 2,545,063, Mar. 13.

Wolfert, Edward R.: *See*—
Ashbaugh, John H., and Wolfert.

Wood, Albert E., South Yardley, Birmingham, and R. Goldschmidt, Eckington, Sheffield, assignors to The Birmingham Small Arms Company Limited, Birmingham, England. Cycle and to electric generator for use therewith. 2,544,872, Mar. 13.

Wood, Clifford: *See*—
Coffey, Samuel, Haddock, Lodge, Wardleworth, and Wood.

Wood, Joseph D., Upper Darby, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,545,402, Mar. 13.

Woodyard, John R.: *See*—
Hansen, William W., and Woodyard.

Works, Herbert F., Mills, assignor to Transducer Corporation, Boston, Mass. Data transcribing apparatus. 2,545,331, Mar. 13.

Worthington Pump and Machinery Corporation, assignee: *See*—
Blessing, William J., and Fruehauf.

Worthington, Wayne H., and E. F. Jirsa, Waterloo, Iowa, assignors to Deere Manufacturing Co. Valve mechanism for hydraulic units. 2,544,972, Mar. 13.

Wrenn, John J., Philadelphia, Pa. Lifting jack mechanism. 2,545,403, Mar. 13.

Wright, Walter H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Deaerating indigo paste. 2,544,909, Mar. 13.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Hokanson, Otto A.
Schmidt, Francis M.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Ulinski, Bronislaus I.

Yates, Wallace J., and F. B. Folckemer, Martinez, and W. A. Simanton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Nonaqueous insecticidal emulsions containing organic esters of phosphorus acids. 2,545,186, Mar. 13.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Electric toaster. 2,545,404, Mar. 13.

Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Potato digger. 2,544,744, Mar. 13.

Young, Donald M. and F. G., Jr., and H. R. Guest, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Copper-chromium hydrogenation catalyst. 2,544,771, Mar. 13.

Young, Frank G., Jr.: *See*—
Young, Donald M. and F. G., Jr., and Guest.

Young, Jacob H., Webster Groves, Mo. Bale tie forming machine. 2,545,332, Mar. 13.

Young, John L., and V. E. Carleton, Benton, Ark. Boat trailer. 2,545,128, Mar. 13.

Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Tone control in photography. 2,544,910, Mar. 13.

Zeigler, William P., Fairoaks, Pa. Artificial fish bait. 2,545,129, Mar. 13.

Ziebolz, Herbert, and P. Glass, assignors to Askania Regulator Company, Chicago, Ill. Electrical motor control system. 2,545,405, Mar. 13.

Zilligen, Grady J.: *See*—
Schaar, Charles H., and Zilligen.

Zink, John L.: *See*—
Greer, Donald M., and Zink.

LIST OF PLANT INVENTIONS

Rose plant. F. H. Axell. 1,007, Mar. 13.

LIST OF DESIGN INVENTIONS

Ash tray. H. A. Packard. 162,442, Mar. 13.

Badge or similar article. H. B. Colborn. 162,385, Mar. 13.

Board, Console instrument. W. J. O'Connor. 162,437–9, Mar. 13.

Board or similar article, Game. J. W. Connolly. 162,386, Mar. 13.

Bowl or article of similar nature. T. C. Heisey. 162,411, Mar. 13.

Bowl or similar article, Compartmented dressing. T. C. Heisey. 162,412, Mar. 13.

Bracelet or similar article. A. Philippe. 162,448, Mar. 13.

Bracelet or similar article. A. Philippe. 162,458, Mar. 13.

Brassière. I. Gimble and D. Musano. 162,400, Mar. 13.

Brooch or similar article. A. Katz. 162,417–21, Mar. 13.

Brooch or similar article. A. Philippe. 162,446, Mar. 13.

Brooch or similar article. A. Philippe. 162,451–4, Mar. 13.

Brooch or similar article. A. Philippe. 162,456, Mar. 13.

Brooch or similar article. A. Philippe. 162,460–1, Mar. 13.

Brooch or similar article. A. Philippe. 162,466–7, Mar. 13.

Bubble blower. J. B. Joyce. 162,414, Mar. 13.

Cabinet, File. E. F. Thomson. 162,493, Mar. 13.

Cabinet, Refrigerator. C. W. Sanders. 162,474, Mar. 13.

Cabinet, Silverware. C. W. Kulp. 162,424, Mar. 13.

Cage, Bird. J. B. Gresham. 162,405, Mar. 13.

Carrier for vacuum cleaner attachments. J. W. Sheker. 162,485, Mar. 13.

Cart or the like, Room service utility. O. L. Snapp and O. L. High. 162,486, Mar. 13.

Case, Oscillograph. C. M. Hathaway and K. E. Fox. 162,409, Mar. 13.

Chain, Key. D. Parenti. 162,443, Mar. 13.

Clock. P. G. Darrot. 162,391, Mar. 13.

Clock. I. W. Spier. 162,488, Mar. 13.

Coaster for beverage bottles or the like. O. W. Thrailkill. 162,494, Mar. 13.

Comb. C. A. Moore. 162,430, Mar. 13.

Console. W. J. O'Connor. 162,436, Mar. 13.

Cover, Pool table. J. B. Gregory. 162,404, Mar. 13.

Crisper. R. K. Gibbs. 162,399, Mar. 13.

Cross chain for tire chains. H. St. Pierre. 162,489, Mar. 13.

Desk. D. J. Burchard. 162,378, Mar. 13.

Dish or the like, Serving. R. J. Pastory. 162,445, Mar. 13.

Display case and sales counter, Combined stocking. S. Roth. 162,472, Mar. 13.

Door for a refrigerator, Evaporator. C. Reynolds, Jr. 162,471, Mar. 13.

Dresser or similar article of furniture. M. H. Sussman. 162,491, Mar. 13.

Earring attachment. J. Carroll, Jr. 162,382, Mar. 13.

Earring or similar article. A. Philippe. 162,449–50, Mar. 13.

Earring [illegible]ilar article. A. Philippe. 162,459, Mar. 13.

Fabric, Embossed embroidered. G. Brandon. 162,375, Mar. 13.

Fabric, Textile. W. Mitschke. 162,428, Mar. 13.

Figurine. D. Casady. 162,384, Mar. 13.

Figurine. J. G. Pollock. 162,469, Mar. 13.

Figurine. W. C. Rushmore. 162,473, Mar. 13.

Furniture unit, Corner. E. Tarlazzi. 162,492, Mar. 13.

Game accessory, Card. F. Sanderson. 162,475, Mar. 13.

Girdle. M. Kahn. 162,415, Mar. 13.

Glass washer. T. H. Corbett. 162,388, Mar. 13.

Guard, Screen. C. W. Jorgensen. 162,413, Mar. 13.

Holder, Earring. V. De Felice. 162,392, Mar. 13.

Holder or similar article, Necktie. R. W. Nelson. 162,431, Mar. 13.

Instrument, Surveying. A. L. Baker. 162,370, Mar. 13.

Kit and handbag, Combined lunch. C. W. Sundberg and M. Ferar. 162,490, Mar. 13.

Knife, Kitchen. J. C. Poirier. 162,468, Mar. 13.

Lock, Coin-controlled. D. G. White. 162,501, Mar. 13.

Machine casing, Calculating. R. D. Budlong. 162,377, Mar. 13.

Mouthpiece, Reed. H. Crossman. 162,406, Mar. 13.

Necklace or similar article. A. Philippe. 162,447, Mar. 13.

Necklace or similar article. A. Philippe. 162,455, Mar. 13.

Necklace or similar article. A. Philippe. 162,457, Mar. 13.

Necklace or similar article. A. Philippe. 162,462–5, Mar. 13.

Package of children's panties and pencils, Combination. G. Gold. 162,402, Mar. 13.

Pan or the like, Starch. G. A. Bauer. 162,371, Mar. 13.

Pin clip or similar article. A. Katz. 162,416, Mar. 13.

Plaque. F. Powell. 162,470, Mar. 13.

Printer and drier for planographic printing plates, Combined. R. A. Dalton. 162,390, Mar. 13.

Pump, Motor-driven. G. H. Zimmer, Jr. 162,502, Mar. 13.

Rack, Display. P. J. Fink. 162,397, Mar. 13.

Rack, Display. A. Hallabrin. 162,407, Mar. 13.

Rack, Display. L. G. Meyers. 162,425, Mar. 13.

Rack, Ferris wheel display. C. L. Norton, Jr. 162,434, Mar. 13.

Seat, Booth. L. M. Michelson. 162,426–7, Mar. 13.

Seat, Infant's toilet. S. B. Glass. 162,401, Mar. 13.

Server, Ice-cream. B. S. Nugent. 162,435, Mar. 13.

Shaker or similar article, Salt. M. Weeber. 162,496, Mar. 13.

Sharpener, Power knife. G. T. Estfan. 162,394, Mar. 13.

Sheet or similar article, Embossed plastic. W. M. Feder. 162,395, Mar. 13.

Shooting gallery. D. N. Broyles. 162,376, Mar. 13.

Sign, Combined building and display. S. L. Cooper. 162,387, Mar. 13.

Sled. C. J. P. Kotchan. 162,423, Mar. 13.

Sled, Trawl net. O. M. Sorensen. 162,487, Mar. 13.

Slicer, Combination bun and roll. E. F. Oetinger. 162,440, Mar. 13.

Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 162,477–9, Mar. 13.

Spoon or similar article of flatware. M. Bernstein. 162,373, Mar. 13.

Spoon or similar article of flatware. M. Weeber. 162,497–8, Mar. 13.

Stocking. A. Carson. 162,383, Mar. 13.

Stocking. R. Friedrich, Jr. 162,398, Mar. 13.

Stocking. B. D. Gordon. 162,403, Mar. 13.

Straightedge. A. C. Ferguson and A. J. La Croix. 162,396, Mar. 13.

Stroller, Twin baby. R. L. Trimble. 162,495, Mar. 13.

Suit. T. Carnegie. 162,379–81, Mar. 13.

Support, Grinding machine work. C. E. Nomann and G. R. Palm. 162,433, Mar. 13.

Support, Towel. J. E. Donaldson. 162,393, Mar. 13.

Switch. J. B. Parsons. 162,444, Mar. 13.

Target. R. O. Wesley. 162,499–500, Mar. 13.

Tire. P. E. Hawkinson. 162,410, Mar. 13.

Toy picture framing book. M. R. Berman. 162,372, Mar. 13.

Toy ring-launching device. C. F. Hartman. 162,408, Mar. 13.

Tray, Glasswasher. R. E. Newman. 162,432, Mar. 13.

Tray, nutcracker block, and bowl, Combined. M. Corpora. 162,389, Mar. 13.

Trophy, Award. W. A. Borba. 162,374, Mar. 13.

Typewriting machine. W. J. O'Neil. 162,441, Mar. 13.

Wallpaper. J. Seeman. 162,481–4, Mar. 13.

Wallpaper or the like. J. Seeman. 162,480, Mar. 13.

Wallet and safety chain, Combined. S. Kitzes. 162,422, Mar. 13.

Watchband. S. Moanfeldt. 162,429, Mar. 13.

Waterer, Live stock. H. A. and C. V. Saunders. 162,476, Mar. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading shoe leather. F. Stuckler. 2,545,392, Mar. 13.
Absorber cooler in refrigerator, Controlled. C. C. Coons. 2,544,916, Mar. 13.
Actuating system for air-brake mechanism. C. J. Keim, A. R. Maier, and A. Quayle. 2,544,997, Mar. 13.
Acylamino-acyloxy-propionaphthones. L. M. Long and H. D. Troutman. 2,545,093, Mar. 13.
Acylamido-hydroxy-propionaphthones. L. M. Long and H. D. Troutman. 2,545,092, Mar. 13.
Addition agents for mineral oil lubricants. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,545,113, Mar. 13.
Addition salts of chloromethyl derivatives of vat dyestuffs and making same. S. Coffey, N. H. Haddock, F. Lodge, J. Wardleworth, and C. Wood. 2,544,825, Mar. 13.
Adhesive tape, Pressure-sensitive. J. H. Kugler and W. E. Lundquist. 2,544,692, Mar. 13.
Adhesive, Water-resistant. E. E. Moore. 2,544,714, Mar. 13.
Adjustable filter darkroom light. A. H. Golden. 2,545,274, Mar. 13.
Adjustable shade and curtain hanger. F. Davidson, Sr. 2,544,950, Mar. 13.
Adsorption process. C. H. O. Berg and D. H. Imhoff. 2,545,067, Mar. 13.
Adsorption process for removal of carbon dioxide from the atmosphere of a submarine. A. P. Colburn and B. F. Dodge. 2,545,194, Mar. 13.
Air distribution unit. W. W. Kennedy. 2,544,689, Mar. 13.
Alkali base lubricating greases. A. A. Bondi. 2,545,190, Mar. 13.
Alkylation of phenols. W. N. Axe. 2,544,818, Mar. 13.
Amino diols, Acylated. L. M. Long and H. D. Troutman. 2,545,094, Mar. 13.
Amino diols, Polyacylated. L. M. Long and H. D. Troutman. 2,545,095, Mar. 13.
Amusement device, Animated. B. N. Daniel. 2,544,949, Mar. 13.
An α-methacryloxy propionamide, Preparing. D. D. Reynolds and W. O. Kenyon. 2,545,044, Mar. 13.
Anhydrous sodium beta-naphthoate and carbonation thereof, Preparation of. F. J. Hodges and M. L. Nadler. 2,544,881, Mar. 13.
Anode control for plating tanks. W. Messinger and D. B. Lytle. 2,545,294, Mar. 13.
Antenna apparatus. S. L. Bergey and J. A. Nottingham. 2,544,648, Mar. 13.
Anthelmintic feed composition. A. H. Craige, Jr. 2,544,826, Mar. 13.
Apparatus and method for handling capsules. R. E. Moule. 2,545,299, Mar. 13.
Apparatus and method for the tenderization of meat. H. C. Rentschler. 2,544,724, Mar. 13.
Apparatus for and method of fabricating sheets of plastic compositions. S. Nixon. 2,545,300, Mar. 13.
Apparatus for automatic regulation of electrolytic cells. R. J. Perret-Bit. 2,545,413, Mar. 13.
Apparatus for checking bowling balls on return tracks. J. A. Barry. 2,545,252, Mar. 13.
Apparatus for coating webs. C. A. Dickhaut and B. R. Newcomb. 2,545,266, Mar. 13.
Apparatus for compensating for frequency changes. W. R. Ahrendt and H. B. Rex. 2,544,643, Mar. 13.
Apparatus for decorticating and decelling beet seeds with recirculation of oversize seeds. F. H. Mangelsdorf. 2,545,367, Mar. 13.
Apparatus for dispensing thermoplastic adhesive. J. Fossa. 2,544,661, Mar. 13.
Apparatus for effecting the hardening of deposits of ink and like compositions. J. D. Klopfenstein. 2,544,839, Mar. 13.
Apparatus for generating electrical pulses. A. D. Blumlein. 2,545,018, Mar. 13.
Apparatus for insufflating the fallopian tubes. J. L. Marco. 2,544,931, Mar. 13.
Apparatus for marine seismic prospecting. J. J. Babb and N. J. Smith. 2,544,819, Mar. 13.
Apparatus for orienting tools in well bores. C. A. Brokaw and W. G. James. 2,544,979, Mar. 13.
Apparatus for producing notes and sounds of a musical character. P. P. Pattyn. 2,544,722, Mar. 13.
Apparatus for radium therapy applied in the cavity of the body. A. M. Ritala. 2,544,939, Mar. 13.
Apparatus for regulating power used by pulp grinders. L. A. Cole. 2,545,260, Mar. 13.
Apparatus for the continuous formation of metal in sheets. J. F. Jordan. 2,544,837, Mar. 13.
Apparatus for the manufacture of iron shot. R. R. Hancox, G. L. Tuer, Jr., and M. J. Stutzman. 2,544,678, Mar. 13.
Apparatus for the regulation of current in an electrolytic cell. R. J. Perret-Bit. 2,545,412, Mar. 13.
Appliance for making orthodontic models. S. Ackerman. 2,545,249, Mar. 13.
Applicator for radio-frequency heating. W. N. Parker. 2,545,106, Mar. 13.
Arc starting device, Enclosed. H. B. Deri. 2,545,345, Mar. 13.
Aromatics from petroleum distillates, Preparation of. E. T. Layng. 2,545,153, Mar. 13.
Artificial limb. R. R. Hydorn. 2,545,146, Mar. 13.
Ash tray. G. S. Bunch, Jr. 2,545,019, Mar. 13.
Assembly for tiltably mounting a circular saw on an arbor. E. J. Warren. 2,544,814, Mar. 13.
Attaching means and assembly method for slotted tube and tip member of a mechanical pencil. C. N. Johnson. 2,544,759, Mar. 13.
Attaching means for masking stripe. J. Isaac and A. C. Rissberger, Jr. 2,544,883, Mar. 13.
Attachment for domestic boilers. F. P. Robinson. 2,545,242, Mar. 13.
Attachment for electric handsaw supporting and driving units, Sanding and polishing. E. J. Strandberg. 2,544,810, Mar. 13.
Attachment for milk bottles, Valved pouring. W. S. Fuld. 2,545,350, Mar. 13.
Attachment for revolving equipment. C. A. Thompson. 2,545,122, Mar. 13.
Attachment for toilet tanks. E. R. Bowden. 2,545,338, Mar. 13.
Attachment for tractors, Utility mixer. E. J. Lesniak. 2,545,236, Mar. 13.
Attachment for tricycles, velocipedes, and the like, Auxiliary load-carrying. D. S. Livingston. 2,544,963, Mar. 13.
Attachment for typewriters or like printing mechanisms for producing offsetting of printed impressions. M. Kissell. 2,544,998, Mar. 13.
Automatic drifting valve. E. P. Kelly. 2,544,793, Mar. 13.
Automatic filler. T. A. St. Clair. 2,544,734, Mar. 13.
Automatic frequency control for television receivers. C. R. Edelsohn. 2,545,346, Mar. 13.
Automatically adjustable rotary turbine-type hydraulic coupling. M. W. Miller. 2,544,713, Mar. 13.
Baby feeder. S. I. Pittman. 2,545,414, Mar. 13.
Balanced valve. S. K. Wolcott, Jr. 2,545,220, Mar. 13.
Bale tie forming machine. J. H. Young. 2,545,332, Mar. 13.
Ball-joint mounting. D. Friend. 2,545,406, Mar. 13.
Base for desks, furniture, and the like, Adjustable. W. C. Brown. 2,544,822, Mar. 13.
Base for refuse cans, Sanitary. R. A. Tilson and H. M. Garner. 2,545,320, Mar. 13.
Bead making machine, Automatic. E. C. Healy. 2,544,835, Mar. 13.
Bearing: *See*—
Side bearing.
Bearing construction, Grit flushing. P. T. Brantingham. 2,544,913, Mar. 13.
Bearing lubrication. H. I. Becker. 2,545,335, Mar. 13.
Beautician's device for retaining a head in a predetermined position. A. F. Sawyer. 2,545,313, Mar. 13.
Bed, Folding cabinet. G. C. Lochridge. 2,544,762, Mar. 13.
Belt, Bandage supporting. B. M. Butler. 2,545,224, Mar. 13.
Benshydrylurea addition compound and preparing same. R. Duschinsky. 2,544,660, Mar. 13.
Biguanide derivatives, Manufacture of. F. H. S. Curd. 2,544,827, Mar. 13.
Billet piercing apparatus. J. F. Crawford. 2,545,229, Mar. 13.
Bit: *See*—
Diamond bit. Expansible rotary drill bit.
Drill bit. Rotary well drilling bit.
Expansible drill bit.
Blade for resilient wheels. J. M. MacLean. 2,544,889, Mar. 13.

Block: *See*—
Paving block.
Blow on arc tip. A. S. Caswell. 2,545,341, Mar. 13.
Blower. J. L. Wall. 2,544,813, Mar. 13.
Boat construction, Foldable. V. Harasty. 2,545,084, Mar. 13.
Bomb, Jet-accelerated armor-piercing. C. N. Hickman, R. L. Graumann, and R. F. Mallina. 2,545,204, Mar. 13.
Book construction, Pop-up. W. B. Freedman and J. Gettler, Jr. 2,544,783, Mar. 13.
Boom for cranes or the like, Adjustable. L. R. Russell. 2,545,047, Mar. 13.
Bore sighting fixture. P. F. Peterson. 2,544,804, Mar. 13.
Box: *See*—
Elongated service box.
Bracket: *See*—
Furniture assembly bracket. Table leg clamping bracket.
Brakehead arrangement. W. L. Schlegel, Jr. 2,545,213, Mar. 13.
Brake lining thickness indicator. C. Hagedorn. 2,545,276, Mar. 13.
Brake system, Fluid. E. F. Gardner. 2,544,785, Mar. 13.
Brake warning, Emergency. S. Ekkelkamp. 2,544,953, Mar. 13.
Brickmaking machine. J. J. Mandryl. 2,545,366, Mar. 13.
Broadcast system, Relay satellite. W. Darling. 2,545,197, Mar. 13.
Broiler, Camp. W. O. Russell. 2,545,005, Mar. 13.
Brush, Pressure feed fountain. L. F. Perwas. 2,544,857, Mar. 13.
Brush head, Retractable. J. L. Livermore. 2,545,091, Mar. 13.
Brushing apparatus, Soap-solution producing hand. C. H. Schaar and G. J. Zilligen. 2,545,110, Mar. 13.
Building slab, Interlocking. E. L. Davis. 2,544,983, Mar. 13.
Bulb changer, Electric lamp. A. L. Odenthal. 2,545,043, Mar. 13.
Burner and flame detector assembly, Pilot. S. K. Malek. 2,544,930, Mar. 13.
Cabinet: *See*—
Cuoic loud-speaker cabinet.
Cable drum, Fire escape. W. Schauer. 2,544,729, Mar. 13.
Calculator for determining fish activity peaks. G. B. Kimes. 2,545,364, Mar. 13.
Camera, Film metering double exposure prevention. D. C. Harvey and E. S. Marvin. 2,544,879, Mar. 13.
Camera having curved film plane to eliminate distortion. P. H. Tham and F. Samuloe. 2,544,864, Mar. 13.
Camera having cutoff means and removable film receptacle, Photographic. A. R. Curioni. 2,545,196, Mar. 13.
Candle-receiving rack. C. J. Schroeder. 2,545,171, Mar. 13.
Canned liquid dispenser. I. Putnam, Jr. 2,545,108, Mar. 13.
Cargo landing apparatus. O. C. and V. H. Winsen. 2,545,248, Mar. 13.
Carriage, Folding baby. H. E. Cornish. 2,545,069, Mar. 13.
Carrier: *See*—
Collapsible carrier.
Cartridge guide and stop for machine guns. W. Clayton. 2,545,068, Mar. 13.
Case: *See*—
Display case. Key case.
Case for microfilms. H. S. Liber. 2,544,844, Mar. 13.
Casting objects from magnesia cements. J. F. M. Verdier Dufour. 2,545,323, Mar. 13.
Catalysis of addition reactions. R. M. Cole. 2,545,261, Mar. 13.
Cathode-ray tube arc-over preventive. L. E. Swedlund. 2,545,120, Mar. 13.
Cathode-ray tube support. G. W. Fabel. 2,545,348, Mar. 13.
Caustic alkali composition of matter and its use as a polyvalent metal precipitation inhibitor. F. C. Bersworth. 2,544,649, Mar. 13.
Cell with mercury cathode, Electrolytic. R. M. R. Örnhjelm. 2,545,376, Mar. 13.
Cellular glass, Preparation of. W. D. Ford. 2,544,954, Mar. 13.
Cellulose ether solutions and spinning the same. N. L. Cox. 2,545,070, Mar. 13.
Cellulose organic acid ester plastics containing paramethoxyphenyl para-anisate. L. W. A. Meyer and W. M. Gearhart. 2,544,891, Mar. 13.
Centering device for beams of cathode-ray tubes. T. Obsarny and J. Schmidt. 2,544,898, Mar. 13.
Centering, focusing, and deflecting device for beam of cathode-ray tubes, Combination. A. J. Bennett. 2,544,875, Mar. 13.
Chain link interspersing machine. C. E. Vandenberg. 2,544,942, Mar. 13.
Chair: *See*—
Electrically propelled wheel chair. High chair.
Invalid's chair.
Chair. K. Michaelis. 2,544,800, Mar. 13.
Chair for children. N. Nidetch and H. Mandel. 2,544,896, Mar. 13.
Cheese manufacture. D. M. Greer and J. L. Zink. 2,544,672, Mar. 13.
Child's toilet seat. P. E. Jack. 2,544,792, Mar. 13.
Chromium compounds as laminating and coating compositions, Werner-type. M. T. Goebel and R. K. Iler. 2,544,666–7, Mar. 13.
Chromium compounds, Werner-type. M. T. Goebel and R. K. Iler. 2,544,668, Mar. 13.
Chromium oxide, Production of. J. C. Kalbach. 2,544,687, Mar. 13.
Chuck, Hydraulically operated. R. E. Schulz. 2,544,966, Mar. 13.
Circuit: *See*—
Electrical power control circuit. High-speed switching circuit.
Frequency changing circuit. Variable frequency tank circuit.
Gas tube control circuit.
Circuit and control, Locking. R. E. Schock. 2,545,214, Mar. 13.
Circuit breaker. C. L. Brownlow. 2,545,256, Mar. 13.
Circuit breaker. A. Rufolo. 2,544,727, Mar. 13.
Circuit breaker. J. D. Wood. 2,545,402, Mar. 13.
Circuit breaker, Electromagnetic. J. F. O'Brien and E. S. Boynton. 2,544,719, Mar. 13.
Circuit for amusement game apparatus, Combination anti-tilt and restoring. H. E. Williams. 2,544,945, Mar. 13.
Circuit for electrostatic voltmeters, Compensation. T. A. Rich. 2,545,386, Mar. 13.
Circuit for servo systems, Energizing. M. L. Greenough. 2,544,921–2, Mar. 13.
Circuit having illuminated indicating dial, Self-balancing potentiometer. A. A. Nina. 2,545,373, Mar. 13.
Circuit interrupter, Electric. C. J. Balentine. 2,545,334, Mar. 13.
Circuit voltage control, Electronic. H. R. Smith. 2,545,244, Mar. 13.
Circuiting arrangement for commutator brushes, Open. H. T. Lang. 2,545,365, Mar. 13.
Cleaner: *See*—
Line cleaner.
Cleaning shaft, Flexible rifle and shotgun. V. G. Malesky. 2,544,847, Mar. 13.
Clip for antiskid tire chains, Fastening. K. B. Weber. 2,545,061, Mar. 13.
Clipboard and flashlight structure, Combined. K. E. Kelley. 2,544,688, Mar. 13.
Closure for autoclaves and the like, High-pressure. C. A. Long. 2,545,290, Mar. 13.
Closure latch. J. W. Barnes. 2,544,647, Mar. 13.
Closure means for therapeutic appliances. P. S. Madsen and G. W. Goodson. 2,544,929, Mar. 13.
Cloth spreading machine. H. J. De Lassus. 2,544,951, Mar. 13.
Clothespin and support therefor. L. F. Seaman. 2,544,967, Mar. 13.
Clutch: *See*—
Overload release clutch.
Clutch lever booster. F. A. Straub. 2,544,811, Mar. 13.
Coating apparatus, Electrostatic. E. M. Ransburg. 2,544,806, Mar. 13.
Coating compositions comprising copolymers of acrylic esters and dicarboxylic acid esters. J. H. Kugler and W. E. Lundquist. 2,544,691, Mar. 13.
Coating containing dyes, Photosensitive. H. C. Staehle. 2,544,903, Mar. 13.
Coating filaments. A. O. Ryan. 2,545,006, Mar. 13.
Coffee-making apparatus. R. D. Hotvedt. 2,544,836, Mar. 13.
Coiling machine, Glass. S. J. Gartner. 2,545,271, Mar. 13.
Coin selector. O. A. Hokanson. 2,545,426, Mar. 13.
Collapsible carrier. G. K. Blank. 2,544,977, Mar. 13.
Collapsible sectional top table. L. Alch. 2,545,064, Mar. 13.
Collar and tie device. F. W. Coffing. 2,545,020, Mar. 13.
Column construction, Jack. G. H. Dean. 2,544,780, Mar. 13.
Combination lock switch. E. J. Tobin. 2,545,395, Mar. 13.
Comforter. D. C. Lippmann. 2,544,797, Mar. 13.
Composition for filling the pores of grinding wheels and wheels filled therewith. L. Coes, Jr. 2,544,641, Mar. 13.
Compressor supercharging system. J. M. Bartholomew. 2,544,821, Mar. 13.
Computing device. W. A. Tolson. 2,545,123, Mar. 13.
Computing linkage. A. Svoboda. 2,544,863, Mar. 13.
Condensation products from an aryloxytriazine, Preparing. F. C. Schaefer and D. H. Church. 2,545,049, Mar. 13.
Connector: *See*—
Electrical connector. Pump connector.
Pipe connector. Soft tubing connector.
Constant frequency control for high-frequency heating apparatus. E. Mittelmann. 2,545,296, Mar. 13.
Construction of pipes, tanks, and the like, Leakproof. C. Dobell. 2,544,828, Mar. 13.
Container and packet for emitting noxious fumes therein, Storage. E. A. Miller. 2,545,160, Mar. 13.
Container with display panel. C. G. Berger. 2,544,975, Mar. 13.
Container with extensible spout and attaching means therefor. H. G. Vaughn. 2,545,178, Mar. 13.
Control device. D. G. Taylor. 2,545,056, Mar. 13.
Control for agricultural field harvesting implements. J. L. Aasland. 2,544,911, Mar. 13.

Control for power-operated slips. M. E. True. 2,545,177, Mar. 13.
Control mechanism for hydraulic pumps. J. S. Pilch. 2,544,805, Mar. 13.
Control system for aircraft wings, Boundary layer. E. A. Stalker. 2,545,010, Mar. 13.
Control system for reversible pitch propellers. T. C. Hill and P. R. Coulson. 2,545,205, Mar. 13.
Conveyer. C. C. Brayton. 2,545,134, Mar. 13.
Conveyer bucket, Self-cleaning. J. T. Parisi. 2,545,377, Mar. 13.
Conveyer housing rotating means. E. P. Escher. 2,545,141, Mar. 13.
Cooker, Egg. B. T. Ritchie. 2,545,308, Mar. 13.
Cooler: *See*—
Egg cooler.
Copolymers of acrylonitrile and N-allyl and N-2-methallyl ureas. J. R. Caldwell. 2,544,638, Mar. 13.
Copper-chromium hydrogenation catalyst. D. M. Young and F. G. Young, Jr., and H. R. Guest. 2,544,771, Mar. 13.
Core assembly for clay modeling. G. W. Moore. 2,545,210, Mar. 13.
Corrosion inhibiting compositions. W. David. 2,545,138, Mar. 13.
Corrosion inhibitors. W. David. 2,545,137, Mar. 13.
Corset with elastic insert. F. Jackel. 2,544,758, Mar. 13.
Counter structure, Totalizator. A. F. Julius. 2,544,994, Mar. 13.
Counting apparatus. M. L. Nelson. 2,544,894, Mar. 13.
Counting device. D. S. Saqui. 2,544,900, Mar. 13.
Coupling: *See*—
Automatically adjustable rotary turbine-type hydraulic coupling. Threaded coupling.
Coupling. A. W. Miller. 2,544,712, Mar. 13.
Coupling device, Acoustic. R. H. Postal. 2,544,765, Mar. 13.
Coupling device and safety clip therefor, Parachute harness. C. C. Kajdan. 2,544,995, Mar. 13.
Coupling mechanism, Rotational limit shaft. R. H. Anderson. 2,544,974, Mar. 13.
Coupling pin. O. Belke and W. Pinnow. 2,545,066, Mar. 13.
Cover: *See*—
Umbrella cover. Wheel cover.
Cover and seal construction for transformer tanks or the like. S. Horlick and R. C. Sefton. 2,544,789, Mar. 13.
Cover for ring watches and the like, Pivoted. S. A. Wittmayer. 2,545,219, Mar. 13.
Craftsman's guideline holder. S. F. Alwood. 2,544,645, Mar. 13.
Creel apparatus, including guard support for a cone. W. E. Head. 2,545,203, Mar. 13.
Crutch. N. R. Henry. 2,544,957, Mar. 13.
Cubic loud-speaker cabinet. C. A. Volf. 2,544,742, Mar. 13.
Cuff link with movable bead. E. Morehouse. 2,544,893, Mar. 13.
Cultivating machine, Lawn. W. E. Heubach. 2,544,958, Mar. 13.
Curtain and shade fixture. K. J. Jensen. 2,545,147, Mar. 13.
Curtain, Metal. C. S. White. 2,545,400, Mar. 13.
Curtain rod. A. Barettella. 2,545,251, Mar. 13.
Cutting and scraping device, Rotary. J. V. La Fontaine. 2,544,841, Mar. 13.
Cycle and to electric generators for use therewith. A. E. Wood and R. Goldschmidt. 2,544,872, Mar. 13.
Cycle light switch. L. R. Hardy. 2,545,085, Mar. 13.
Cylinder release and pump bypass valve, Main. W. R. Tucker and H. F. MacMillin. 2,545,246, Mar. 13.
Data transcribing apparatus. H. F. Works. 2,545,331, Mar. 13.
Deaerating indigo paste. W. H. Wright. 2,544,909, Mar. 13.
Decorating apparatus, Dinnerware. A. J. Wahl. 2,545,396, Mar. 13.
Dental attachment for use in connection with removable bridges. F. Stark and F. Spielman. 2,545,316, Mar. 13.
Designing and laying out plans of building. J. D. McCall. 2,545,409, Mar. 13.
Desk, Typewriter. M. Bergson. 2,545,253, Mar. 13.
Detecting incipient after-burning during regeneration. W. Muly and J. J. Heigl. 2,545,162, Mar. 13.
Detergent composition and preparing same. D. W. Jayne, Jr. 2,545,357, Mar. 13.
Device for amplifying or generating electric oscillations of very high frequency. G. de Vries. 2,545,073, Mar. 13.
Device for regulation of the resistance of an electrolytic cell. R. J. Perret-Bit. 2,545,411, Mar. 13.
Device for telecontrol of spatial movement. M. L. Cailloux. 2,545,258, Mar. 13.
Device for the promotion of chimney intake. A. Burger. 2,544,776, Mar. 13.
Device intended for the transmitting of enery by means of a hollow electromagnetic guide. H. Gutton. 2,544,923, Mar. 13.
Diagnostiscope. W. J. Daly. 2,544,779, Mar. 13.
Diallyl esters and poylmers thereof. L. N. Whitehill and E. C. Shokal. 2,545,184, Mar. 13.
Diamond bit. W. S. Crake. 2,545,195, Mar. 13.
Diazotypes containing a guanide base in a gelatin layer to prevent dye diffusion. H. H. Duerr. 2,545,423, Mar. 13.
Diazotypes containing resorcinol sulfonic acids as coupling components. W. H. von Glahn and L. N. Stanley. 2,545,057, Mar. 13.
Dichroic light-polarizing sheet materials and the like and the formation and use thereof. J. F. Dreyer. 2,544,659, Mar. 13.
Digger, Potato. A. E. Young. 2,544,744, Mar. 13.
Digging machine, Ditch. R. E. Weaver. 2,544,815, Mar. 13.
Dihydroteroylglutamic acid and preparing the same. B. L. O'Dell. 2,545,305, Mar. 13.
Dimerization of butadiene. E. E. Stahly. 2,544,808, Mar. 13.
Direction finder. J. E. Browder. 2,544,653, Mar. 13.
Direction finder. M. K. Goldstein. 2,544,669, Mar. 13.
Disk dispenser. A. I. Negus, Jr. 2,545,042, Mar. 13.
Dispenser: *See*—
Canned liquid dispenser. Lubricant dispenser.
Disk dispenser. Wire dispenser.
Dispenser and anchor, Measuring tape. W. B. Winston. 2,544,908, Mar. 13.
Dispenser and strainer, Sugar. E. Patoe. 2,545,240, Mar. 13.
Dispensing apparatus, Liquid. G. Petrucci. 2,545,303, Mar. 13.
Dispensing machine, Mechanical butter. T. A. Tischler. 2,544,739, Mar. 13.
Display apparatus. E. Monserrat. 2,545,103, Mar. 13.
Display case. L. E. Broce. 2,545,255, Mar. 13.
Ditching machine, Screw conveyor. S. E. Berry. 2,545,016, Mar. 13.
Di-2-ethyl-hexyl diglycollate. E. M. McMahon. 2,544,890, Mar. 13.
Doll house, Two-story knockdown variety. L. K. Hammond and R. H. Stout. 2,544,833, Mar. 13.
Door: *See*—
Grain door.
Door and operating means, Overhead garage. W. G. Deuring. 2,544,952, Mar. 13.
Door hinge arm. H. P. Peck. 2,545,378, Mar. 13.
Door lock. C. A. Hiligren. 2,544,959, Mar. 13.
Drainpipe valve. Z. Bugno. 2,545,192, Mar. 13.
Draining machine, Can. E. F. McGeady. 2,545,293, Mar. 13.
Drawer display device, Multiple sliding. R. L. Ford. 2,545,269, Mar. 13.
Drier and crib, Grain. J. D. Otley. 2,545,166, Mar. 13.
Drill bit. J. G. Jackson. 2,544,993, Mar. 13.
Drill bit and assembling and disassembling the same, Expansible rotary. A. W. Kammerer. 2,545,034, Mar. 13.
Drill bit apparatus, Rotary. A. W. Kammerer. 2,545,037, Mar. 13.
Driving device for imparting a combined rotary and reciprocating motion to a driven member. L. W. Graham. 2,545,060, Mar. 13.
Driving dog for lathes. O. E. Schurr. 2,545,050, Mar. 13.
Drum handling device for lift trucks. B. R. Coupland and H. J. Black. 2,545,021, Mar. 13.
Egg cooler. W. G. Sebold. 2,545,052, Mar. 13.
Electric induction apparatus. F. R. D'Entremont. 2,544,658, Mar. 13.
Electrical connector. J. C. Macy. 2,545,429, Mar. 13.
Electrical contact points, Making raised. G. S. Gibbs. 2,545,352, Mar. 13.
Electrical control system. E. Spahn. 2,545,390, Mar. 13.
Electrical method of adhesive bond testing. B. D. Haber. 2,544,673, Mar. 13.
Electrical power control circuit. G. R. McDonald. 2,545,368, Mar. 13.
Electrically propelled wheel chair. A. C. Guyton. 2,544,831, Mar. 13.
Electrolytic determination of lead and copper. R. W. Notvest. 2,544,802, Mar. 13.
Electron camera tube. R. E. Graham. 2,544,753, Mar. 13.
Electron camera tube. J. B. Johnson and K. G. McKay. 2,544,755, Mar. 13.
Electron camera tube. C. H. Townes. 2,544,754, Mar. 13.
Electronic control device. F. E. Bryan and W. F. Gunning. 2,545,257, Mar. 13.
Electronic tremulant. F. M. Schmidt. 2,545,432, Mar. 13.
Electrostatic generator. S. Hansen. 2,545,354, Mar. 13.
Elevator, Bed. F. G. Lang. 2,545,289, Mar. 13.
11-oxabicyclo[4.4.1]undecanes and their preparation. C. W. Theobald. 2,544,737, Mar. 13.
Elongated service box. A. W. Crandll. 2,545,228, Mar. 13.
Emulsions containing hydrazine derivatives as emulsifying agents, Aqueous. L. F. Audrieth and P. H. Mohr. 2,544,772, Mar. 13.
Emulsions containing organic esters of phosphorus acids, Nonaqueous insecticidal. W. J. Yates, F. B. Folckemer, and W. A. Simanton. 2,545,186, Mar. 13.
End closures for insulated pipes, Making. A. H. Isenberg and R. E. Hedges. 2,545,030, Mar. 13.
Energising circuit for servo systems. M. L. Greenough. 2,544,922, Mar. 13.
Energizing device for use with fluorescent lamp assemblies, Silent. B. K. Naster. 2,545,163, Mar. 13.

Engine: *See*—
Multiple fuel internal-combustion engine. Opposed piston engine.
Equalizer for vehicles, Front-wheel. D. B. Gayken. 2,545,230, Mar. 13.
Erasing device. R. Jenny. 2,545,282, Mar. 13.
Ethers of aryl sulfonamide-formaldehyde reaction products. G. R. Sido. 2,545,174, Mar. 13.
Ethyl alcohol production. C. E. Morrell and R. F. Robey. 2,545,161, Mar. 13.
Evaporator, Refrigerant. L. A. Philipp. 2,544,937–8, Mar. 13.
Expanding a received pulse radio signal. A. A. Varela. 2,544,741, Mar. 13.
Expansible drill bit. A. W. Kammerer. 2,545,036, Mar. 13.
Expansible rotary drill bit. A. W. Kammerer. 2,545,032, Mar. 13.
Eyeshield. C. E. Gardner. 2,545,078, Mar. 13.
Eyeshield. G. R. Lucas. 2,545,097, Mar. 13.
Fabric moisture absorbency tester. S. P. Hunt. 2,545,281, Mar. 13.
Factor entering mechanism. R. S. Mark, F. N. Schwend, and C. P. Stowell. 2,544,848, Mar. 13.
Fattening composition, Poultry. F. W. Lorenz and C. W. Sondern. 2,544,698, Mar. 13.
Feeder: *See*—
Baby feeder.
Fe_2O_3—Cr_2O_3—CuO hydrogenation catalyst. H. R. Guest and R. W. McNamee. 2,544,756, Mar. 13.
Film reel. T. Örtenblad and B. A. Johansen. 2,545,004, Mar. 13.
Film-strip carrier actuating mechanism for automatic photographic apparatus. P. S. Allen. 2,544,644, Mar. 13.
Filter in single housing, Two-stage. C. D. Nugent. 2,545,374, Mar. 13.
Filtering media. F. A. Shuler. 2,544,733, Mar. 13.
Fire alarm device for beds. N. L. Allen. 2,544,946, Mar. 13.
Fire escape, Portable individual. G. W. Phelan. 2,544,964, Mar. 13.
Fish bait, Artificial. W. P. Zeigler. 2,545,129, Mar. 13.
Fish lure. G. F. Fawcett. 2,544,782, Mar. 13.
Fish lure. J. Waroblew. 2,545,398, Mar. 13.
Fishing float. W. Selgle. 2,544,968, Mar. 13.
Fishing float, Automatic self-reeling. H. E. Reppert and H. W. Rosenberg. 2,545,385, Mar. 13.
Fishing lure. H. E. Kreps. 2,544,796, Mar. 13.
Fishing reel control device and brake. K. D. Legg. 2,544,962, Mar. 13.
Fixture for use with elongated tubular lamps, Lighting. J. S. Walsh. 2,545,058, Mar. 13.
Fixture having swingable members carrying the lamps, Fluorescent. L. Margolis. 2,544,708, Mar. 13.
Flash calcining furnace. H. V. Pedersen. 2,545,410, Mar. 13.
Flask. J. R. Perez Lias. 2,545,302, Mar. 13.
Flue pipe section with check draft damper. L. Jones. 2,545,148, Mar. 13.
Fluorination of unsaturated halocarbons with lead tetrafluoride. E. T. McBee and R. M. Robb. 2,545,430, Mar. 13.
Fly swatter. W. W. Sharpe. 2,544,215, Mar. 13.
Formation of rubber treads on vehicle tires. L. F. Wallis. 2,544,868, Mar. 13.
Formation tester and sampler. R. O. Pollard, Jr. 2,545,306, Mar. 13.
Forming composite aluminum-steel parts by casting aluminum on to steel and bonding thereto. H. L. Grange and D. K. Hanink. 2,544,670, Mar. 13.
Forming composite products consisting of ferrous metal and aluminum or aluminum-base alloy. H. L. Grange and D. K. Hanink. 2,544,671, Mar. 13.
Four-in-hand tie holder. S. P. Tupy. 2,545,322, Mar. 13.
Frame: *See*—
Machine frame. Stencil screen frame.
Frame actuating device for use with electric switches and the like, Warpable. L. K. Davis. 2,545,264, Mar. 13.
Frame for two or three wheeled vehicles. B. G. Falchetto. 2,545,142, Mar. 13.
Frequency changing circuit. K. E. Appert. 2,545,250, Mar. 13.
Froth flotation of ores in the presence of an α,α-dialkylarylmethyl hydroperoxide. W. T. Bishop, E. J. Lorand, and J. E. Reese. 2,545,132, Mar. 13.
Fruit picking device. F. Denman. 2,545,072, Mar. 13.
Fuel tank vent valve. B. P. Baker and L. J. Lyons. 2,544,820, Mar. 13.
Fueling apparatus, Airport. J. G. Dahlem. 2,544,917, Mar. 13.
Fume and vapor control for cleansing tanks. R. S. Sperry and C. Rietdyke. 2,544,769, Mar. 13.
Fungicidal compositions comprising N,N'-bis (4-nitrosophenyl) piperazine. M. W. Swaney and S. B. Lippincott. 2,545,176, Mar. 13.
Furnace: *See*—
Flash calcining furnace.
Furnace operation, Blast. W. K. Lewis. 2,544,697, Mar. 13.
Furniture assembly bracket. C. L. Embree. 2,545,347, Mar. 13.
Fuse, Rocket. V. K. Rasmussen. 2,544,860, Mar. 13.
Fusee. P. H. Griffith. 2,545,275, Mar. 13.
Game apparatus, Including mechanical projector. J. C. Jackson. 2,544,992, Mar. 13.
Game board apparatus, Chance controlled. G. M. Podd. 2,545,415, Mar. 13.
Game, Electric questionnaire. J. M. Prentice. 2,545,381, Mar. 13.
Garden hose holder. P. A. Dyer and R. J. Dummer. 2,544,986, Mar. 13.
Garment hanger. E. T. Kuhn. 2,544,886, Mar. 13.
Garment hanger. W. E. Martin. 2,545,156, Mar. 13.
Garment, Infant's. P. M. Rogatz. 2,544,726, Mar. 13.
Gas meter. E. R. Gilmore. 2,544,665, Mar. 13.
Gas-solid contacting apparatus, Including means for stripping solid particles. H. J. Ogorzaly. 2,545,165, Mar. 13.
Gas tube control apparatus. C. H. Hoeppner and C. H. Smith, Jr. 2,544,684, Mar. 13.
Gas tube control circuit. C. H. Hoeppner and C. H. Smith, Jr. 2,544,683, Mar. 13.
Gas turbine plant. R. Strub. 2,544,941, Mar. 13.
Gear: *See*—
Helicopter amphibious landing gear. Track-type landing gear.
Infinitely variable speed gear. Trolling gear.
Gear-hobbing machine. S. Fearns. 2,545,151, Mar. 13.
Gelatine blasting explosive composition containing water-soluble salts. S. Fordham and E. G. Cockbain. 2,545,270, Mar. 13.
Generator: *See*—
Electrostatic generator. Steam generator.
Generator of accurately timed pulses. R. F. Foster. 2,545,349, Mar. 13.
Glove. G. W. Geissmann. 2,545,272, Mar. 13.
Glove. B. Kennedy. 2,545,149, Mar. 13.
Grain door. C. O. Thomas. 2,544,865, Mar. 13.
Grease composition, Lubricating. H. G. Smith and T. L. Cantrell. 2,545,114, Mar. 13.
Guide device, Roughing. R. J. Hindle and J. D. Carrier. 2,544,880, Mar. 13.
Guide for textile looms, Automatic filling. C. N. Perry. 2,544,803, Mar. 13.
Gun perforator. R. D. Elliott. 2,545,024, Mar. 13.
Gyroscopic rate-of-turn indicator. G. H. Reid. 2,544,767, Mar. 13.
Hall effect frequency meter. N. P. Millar. 2,545,369, Mar. 13.
Hanger: *See*—
Adjustable shade and curtain hanger. Garment hanger.
Hanger for outlet boxes, Fixture. N. A. Tornblom. 2,545,124, Mar. 13.
Hay baler feed mechanism. B. J. Baskerville. 2,545,188, Mar. 13.
Headband for goggles and the like, Adjustable. J. N. Liautaud. 2,545,428, Mar. 13.
Heat exchange apparatus. T. J. Hollmeyer and J. Buchert. 2,545,280, Mar. 13.
Heat exchange receptacle. T. and O. W. Mojonnier. 2,545,371, Mar. 13.
Heat exchanger, Falling film. G. W. Haldeman. 2,545,028, Mar. 13.
Heater: *See*—
Water heater.
Heater for liquids, Immersion. J. C. Wiesner and J. R. Carey. 2,545,418, Mar. 13.
Heating system. L. A. Buell. 2,544,981, Mar. 13.
Heating system, Household. W. S. Peper. 2,545,107, Mar. 13.
Heel construction. S. L. Dratler. 2,544,878, Mar. 13.
Helicopter amphibious landing gear. B. Kelley and E. G. Dickinson. 2,544,794, Mar. 13.
High chair. E. L. Johnson. 2,544,760, Mar. 13.
High-frequency high-power tube. L. P. Garner, W. N. Parker, and W. E. Harbaugh. 2,544,664, Mar. 13.
High-frequency system, Controlled. P. B. Wilson, Jr., and S. P. Oppenheimer. 2,545,328, Mar. 13.
High-frequency wave meter. J. P. Hagen and F. C. Isely. 2,544,674, Mar. 13.
High molecular weight polymers, Process and apparatus for the production of. A. D. Green and W. J. Paltz. 2,545,144, Mar. 13.
High-speed switching circuit. I. E. Grosdoff. 2,545,083, Mar. 13.
Hinge for trunks or lockers. F. T. Paden. 2,544,721, Mar. 13.
Hitch for joining harvester and a wagon to a tractor. E. K. Karlsson and R. L. Sutton. 2,544,925, Mar. 13.
Hoeing machine, Grape vineyard or orchard. F. L. McIntyre. 2,545,100, Mar. 13.
Holder: *See*—
Craftsman's guideline holder. Illuminating and magnifying map holder.
Four-in-hand tie holder. Sectional mattress holder.
Garden hose holder. Toothbrush holder.
Holder for collapsible tubes. D., L. E., and W. Elterman. 2,544,751, Mar. 13.
Hydraulic brake automatic adjuster. J. G. Martin. 2,544,849, Mar. 13.
Hydrochloric acid recovery. J. E. Seebold. 2,545,314, Mar. 13.

Ice jam remover for bridges. J. Musial. 2,545,104, Mar. 13.
Identification device for luggage. L. B. Coleman. 2,545,262, Mar. 13.
Illuminating and magnifying map holder. O. G. Quam. 2,544,859, Mar. 13.
Image-forming composition and making it. C. H. Van Dusen, Jr. 2,545,125, Mar. 13.
Implement, Mineral sampling. H. S. Safford. 2,544,728, Mar. 13.
Increasing the sulfur dioxide content of the cooking acid used in the manufacture of sulfite pulp. V. H. Somer and T. E. Brehmer. 2,545,389, Mar. 13.
Indazole azo dyestuff. P. Petitcolas, R. F. M. Sureau, and A. P. Richard. 2,544,936, Mar. 13.
Index for selective automatic phonographs. M. W. Kenney. 2,545,362, Mar. 13.
Index tab, Magnifying. N. Y. Andersen. 2,545,014, Mar. 13.
Indexing mechanism. P. Letellier. 2,545,408, Mar. 13.
Indicator: *See*—
Brake lining thickness indicator. Gyroscopic rate-of-turn indicator.
Indicator for echo ranging training apparatus, Electronic deviation. G. A. Brettell, Jr., and C. F. Bradley. 2,545,191, Mar. 13.
Industrial truck caster wheel. W. F. Herold. 2,544,924, Mar. 13.
Infinitely variable speed gear. H. Haidegger. 2,545,152, Mar. 13.
Inks and films printed therewith, Printing. G. M. Adams. 2,544,873, Mar. 13.
Insigne unit. D. H. Bowder. 2,544,876, Mar. 13.
Insole, Ventilating. P. E. Whittington. 2,545,062, Mar. 13.
Inspection device. W. J. Cameron. 2,544,914, Mar. 13.
Instant-start device for energising a pair of fluorescent lamps. B. K. Naster. 2,545,164, Mar. 13.
Instrument, Angular velocity measuring. R. Barnaby and A. E. Reinhardt. 2,544,646, Mar. 13.
Instrument, Drawing. J. T. Sheridan. 2,545,112, Mar. 13.
Instrument for direction indicators, Performance recording. T. O. McCarthy and J. L. Maulbetsch. 2,544,851, Mar. 13.
Instrument, Orthoptic. F. C. Walraven. 2,545,180, Mar. 13.
Instrument, Weld testing. R. S. Roberts. 2,545,309, Mar. 13.
Insulation of catalyst chambers. A. R. Rehrig. 2,545,384, Mar. 13.
Invalid's chair. C. Martonica. 2,544,850, Mar. 13.
Ion collector for mass spectrometers. A. O. C. Nier. 2,544,718, Mar. 13.
Ironing machine, Handkerchief. E. E. Foster. 2,544,662, Mar. 13.
Jack: *See*—
Tail wheel jack.
Jack mechanism, Lifting. J. J. Wrenn. 2,545,403, Mar. 13.
Jato release device. R. E. Grill and V. L. White. 2,544,830, Mar. 13.
Key cap for writing machines, Molded. G. K. Geerlings. 2,545,026, Mar. 13.
Key case. B. Wohl. 2,545,012, Mar. 13.
Killing weeds and the materials used therein. P. A. Sartoretto. 2,545,431, Mar. 13.
Knife, Multiple-use sheath. T. V. Szopa. 2,545,121, Mar. 13.
Labeling machine. J. Magnusson. 2,545,292, Mar. 13.
Latch: *See*—
Closure latch.
Latch. W. A. Hilgeman. 2,544,682, Mar. 13.
Latch and catch construction, Lockable. W. V. Kingdon. 2,545,038, Mar. 13.
Lathe, Jeweler's. A. S. Thompson. 2,544,812, Mar. 13.
Lathe transmission and control mechanism. H. J. Siekmann and G. J. Kasselmann. 2,545,053, Mar. 13.
Launching a ship's lifeboat, raft, or similar appliance. A. Vreugdenhil. 2,545,011, Mar. 13.
Lens, Apochromatic process. W. Schade. 2,544,901, Mar. 13.
Lift for wheeled farm implements, Hydraulic. G. Schaubert. 2,545,111, Mar. 13.
Lift mechanism for industrial trucks. B. I. Ulinski. 2,545,417, Mar. 13.
Light: *See*—
Adjustable filter dark-room light.
Light having an adjustable light chamber, Portable photographic. F. V. Rabner. 2,545,382, Mar. 13.
Lighting fixture for elongated tubular fluorescent lamps. B. C. Pretzer. 2,545,307, Mar. 13.
Line cleaner. C. R. Head. 2,545,278, Mar. 13.
Lining structure for rotary crushers. S. D. Hartshorn. 2,545,202, Mar. 13.
Lithium cobaltite. R. B. Ellestad and B. R. Babbitt. 2,545,424, Mar. 13.
Litter conditioner and scratch feed or lime distributor. A. B. Ward. 2,545,059, Mar. 13.
Loading thread advancing rolls, Method and apparatus for. S. W. Barker. 2,545,015, Mar. 13.
Locating leaks in well pipes. I. A. Miller. 2,545,102, Mar. 13.
Lock: *See*—
Door lock.
Lock lid, Spinning compartment. P. E. Garrett. 2,544,786, Mar. 13.
Locket construction. E. S. Donle. 2,545,267, Mar. 13.
Locking and release mechanism for pressure vessel closures. J. E. Oys and A. H. Pinke. 2,544,854, Mar. 13.
Loom reed. A. Hornig. 2,544,882, Mar. 13.
Loom shuttle. J. J. Kaufmann, Jr. 2,545,427, Mar. 13.
Lubricant dispenser. E. P. Sundholm. 2,545,319, Mar. 13.
Luggage, including garment supporting means for long and short garments. B. Platt. 2,545,211, Mar. 13.
Luminaire for use with fluorescent tubes, Shock resistant. L. C. Doane. 2,544,781, Mar. 13.
Lunch receptacle. J. R. Wnuk. 2,545,127, Mar. 13.
Machine for molding concrete blocks. L. C. Miller. 2,545,002, Mar. 13.
Machine for treating fabrics at full width in liquid baths. J. Dungler. 2,545,075, Mar. 13.
Machine frame. F. A. Prahl, Jr. 2,544,723, Mar. 13.
Machine tool spindle drive and feed control device. S. Senglet. 2,545,008, Mar. 13.
Magazine closure for tacking machines. K. F. Morberg. 2,545,372, Mar. 13.
Magnet, Lifting. H. E. Hodgson. 2,545,356, Mar. 13.
Mail handling apparatus. A. J. Clayton. 2,544,656, Mar. 13.
Making a calcium halophosphate phosphor. D. F. Fortney and G. L. Moran. 2,544,663, Mar. 13.
Making cyclic ethers. D. D. Reynolds and W. O. Kenyon. 2,544,809, Mar. 13.
Making detachable cue tips. E. R. Watson. 2,544,970, Mar. 13.
Making fibers. B. Montero. 2,544,763, Mar. 13.
Making lightweight aggregates using fragile nodules. L. F. Gelbman. 2,544,752, Mar. 13.
Making photographic relief images. W. P. Van Deusen. 2,544,905, Mar. 13.
Making tear-off container caps. J. E. Underwood. 2,544,969, Mar. 13.
Making ultramarine. C. A. Kumins. 2,544,694, Mar. 13.
Making ultramarine pigment. C. A. Kumins. 2,544,695, Mar. 13.
Making viewing tubes. W. J. Cameron. 2,544,915, Mar. 13.
Mass spectrometer apparatus. A. O. C. Nier. 2,544,717, Mar. 13.
Mattress reinforcing device. M. Rosberger. 2,545,310, Mar. 13.
Measuring and controlling system. A. J. Hornfeck. 2,544,700, Mar. 13.
Measuring device and method, Alternating current. M. J. Lants. 2,544,696, Mar. 13.
Measuring device, Belt. A. T. Bodle. 2,545,189, Mar. 13.
Measuring device, Force. L. M. Tint. 2,544,738, Mar. 13.
Measuring gas pressure in flames. F. P. Bundy, H. M. Strong, and A. B. Gregg, Jr. 2,545,340, Mar. 13.
Mechanical device for relamping fluorescent fixtures. L. Margolis. 2,544,707, Mar. 13.
Mechanism for antenna tuning. W. J. Miller. 2,545,003, Mar. 13.
Mechanism for die-cutting body blanks from continuous strip material. P. E. Wixon and C. E. Chapman. 2,545,401, Mar. 13.
Meter: *See*—
Gas meter. High-frequency wave meter.
Hall effect frequency meter.
Method and apparatus for welding with gas shields having laminar flow. G. Mikhalapov. 2,544,711, Mar. 13.
Milliampere-seconds relay for radiographic control systems. A. W. Vingerhoets. 2,545,247, Mar. 13.
Mine skip. G. L. Saunders. 2,545,170, Mar. 13.
Modulating and switching apparatus, Wave guide. R. B. Muchmore. 2,544,715, Mar. 13.
Moisture tester. A. B. Welty. 2,544,943, Mar. 13.
Motor control system, Electric. H. Conviser. 2,545,343, Mar. 13.
Motor control system, Electrical. H. Ziebols and P. Glass. 2,545,405, Mar. 13.
Motor guide. G. H. Harris. 2,545,086, Mar. 13.
Motor head unit, Multispeed. R. H. Morgan. 2,545,040, Mar. 13.
Motor mount. L. J. Cuthbertson. 2,544,778, Mar. 13.
Motor pump. C. J. Blom. 2,545,422, Mar. 13.
Mounting: *See*—
Ball-joint mounting. Telescope gun sight mounting.
Sash mounting.
Mounting for player arms. M. W. Kenney. 2,545,363, Mar. 13.
Mounting for rotary plows, Spring-biased tooth. F. P. Shaw. 2,545,173, Mar. 13.
Mower, Disk type. W. H. Dielschneider. 2,545,074, Mar. 13.
Multiple contact selector switch. E. L. Hindman. 2,544,788, Mar. 13.
Multiple fuel internal-combustion engine. W. J. Blessing and R. R. Fruehauf. 2,544,978, Mar. 13.
Multiplier of the cavity resonator type, Frequency. D. R. Hamilton. 2,544,675, Mar. 13.
N-(hydroxy aryl) pyrrolines and pyrrolidines. J. A. Chenicek. 2,544,823, Mar. 13.
Naphthyl-amino-propanediols. L. M. Long and H. D. Troutman. 2,545,096, Mar. 13.

Navigational system, Radio trail. J. H. Hammond, Jr., and E. S. Purington. 2,544,677, Mar. 13.
Net, Fisherman's. E. W. Keeney, Sr. 2,544,926, Mar. 13.
Nitrocellulose having carboxyl groups in the primary position, Preparation of soluble. W. E. Sillick. 2,544,902, Mar. 13.
Nozzle with multiple slot-type ports, Gas. W. O. Mellies. 2,544,933, Mar. 13.
Numbering device, Message. F. Martindell. 2,545,207, Mar. 13.
Opposed piston engine. M. Mallory. 2,545,098, Mar. 13.
Organ, Electric. T. R. Ellefson. 2,545,023, Mar. 13.
Orifice flow-control apparatus, Variable. J. M. Caldwell. 2,544,948, Mar. 13.
Orthoptic apparatus. T. J. Arneson, Jr. 2,545,333, Mar. 13.
Oscillation frequency control. E. Mittelmann. 2,545,297, Mar. 13.
Overload protection of high-frequency receivers. J. L. Lawson. 2,544,842, Mar. 13.
Overload release clutch. R. W. Stanley. 2,544,809, Mar. 13.
Oxidation resisting hydrocarbon products. J. P. McDermott. 2,545,158, Mar. 13.
Package assorting machine. J. R. Sousa. 2,545,116, Mar. 13.
Package encased in plastic sheet material and making the same. H. Rumsey, Jr. 2,545,243, Mar. 13.
Pad: *See*—
Polishing pad. Shoulder pad.
Pallet. W. W. Cushman. 2,544,657, Mar. 13.
Pallet. R. Vrabcak. 2,544,743, Mar. 13.
Pants, Baby. M. J. Toussie. 2,545,216, Mar. 13.
Panty construction. A. S. Mann. 2,545,099, Mar. 13.
Paper feeding device. F. Schwarzer. 2,545,387, Mar. 13.
Paper feeding machine. F. Schwarzer. 2,545,388, Mar. 13.
Paper, Manufacture of waterproof. A. G. Leonard, Jr. 2,544,887, Mar. 13.
Paper roll support. C. B. Blessing. 2,545,337, Mar. 13.
Paper stock refining machine. H. D. Wells. 2,544,971, Mar. 13.
Paving block. W. E. Rownd. 2,545,046, Mar. 13.
Perchloromethyl mercaptan and its separation from the various sulfur compounds, Manufacture of. M. J. Kamlet. 2,545,285, Mar. 13.
Percussive tool. M. A. Stutz. 2,545,245, Mar. 13.
Perforating apparatus. J. L. De Boo. 2,545,198, Mar. 13.
Perforating apparatus, Electrical. J. W. Meaker. 2,545,208, Mar. 13.
Phenol formaldehyde resins. W. Krumbhaar. 2,545,150, Mar. 13.
Phonograph, Automatic. C. G. Johnson. 2,545,359, Mar. 13.
Phonograph, Automatic. A. M. Kasnowich. 2,545,361, Mar. 13.
Phosphorus-and nitrogen-containing compounds. J. E. Malowan. 2,544,706, Mar. 13.
Photograph developing machine. A. Izzi. 2,545,031, Mar. 13.
Photographic emulsions, Mixed grain. J. J. Chechak. 2,544,640, Mar. 13.
Photographic light sensitive elements containing azanol dyes. A. W. Anish and L. C. Hensley. 2,545,421, Mar. 13.
Photographic materials, Bichromate sensitized. R. S. Bryce. 2,544,877, Mar. 13.
Pin: *See*—
Coupling pin.
Pipe connector. J. C. Richardson. 2,545,168, Mar. 13.
Piston construction. N. J. Buren. 2,544,775, Mar. 13.
Plant chopper head. L. C. Stukenborg. 2,545,318, Mar. 13.
Plate, Pole butt ground. G. C. Salmons. 2,545,048, Mar. 13.
Plug for oil tanks or the like, Filling. D. Kaufman. 2,545,233, Mar. 13.
Plumb point locator. S. Tumminello. 2,545,321, Mar. 13.
Pocket flap, Coat. E. D'Alesio. 2,544,750, Mar. 13.
Polishing compound and carrier therefor. J. Lupo. 2,545,291, Mar. 13.
Polishing machine having horizontally positioned motor, Rotary floor. J. P. Steibel. 2,544,862, Mar. 13.
Polishing pad. H. F. Ritterbusch and H. L. Langevin. 2,544,940, Mar. 13.
Polyallyl-type alcohols from polyallyl-type formates, Production of. R. R. Whetstone and T. W. Evans. 2,545,182-3, Mar. 13.
Polyvinyl azine sound track coating. T. G. Veal and G. P. Waugh. 2,544,906, Mar. 13.
Potassium carbonate, Production of. K. Büchner. 2,544,748, Mar. 13.
Power brake for hoisting drums. R. R. Crookston. 2,545,136, Mar. 13.
Power control for fluid motors. W. G. Schutt. 2,545,051, Mar. 13.
Power transmission. D. B. Gardiner, E. F. Klessig, and J. F. Jeannin. 2,544,987, Mar. 13.
Power transmission. D. B. Gardiner, E. F. Klessig, and A. Keel. 2,544,988, Mar. 13.
Power transmission. D. B. Gardiner and B. L. Readman. 2,545,077, Mar. 13.
Power transmission. F. T. Harrington, J. A. Martin, G. R. Elliott, and L. W. Haisen. 2,544,990, Mar. 13.
Prefill valve. R. K. Sedgwick. 2,544,731, Mar. 13.
Preparing low molecular weight isocyanates. J. P. Mason. 2,544,709, Mar. 13.
Pressure breathing regulator. B. B. Holmes. 2,544,991, Mar. 13.
Pressure welding apparatus, Automatic. J. P. Cowie and C. J. Burch. 2,544,749, Mar. 13.
Printing vat dyes on polyacrylonitrile fabrics using potassium thiocyanate. C. F. Miller. 2,544,892, Mar. 13.
Processing apparatus for fruits and vegetables. L. McGihon. 2,545,159, Mar. 13.
Proceeding of fatty acids and making grease therefrom. W. B. Whitney. 2,545,126, Mar. 13.
Producing boards. O. H. Orner. 2,544,535, Mar. 13.
Producing vanillin. H. B. Marshall and C. A. Sankey. 2,544,999, Mar. 13.
Protector: *See*—
Threaded insert protector.
Puller: *See*—
Railroad spike puller.
Pulley, Adjustable diameter. W. A. Williams. 2,545,327, Mar. 13.
Pulverizer having an eccentrically arranged air throat flow area, Air swept. G. W. Rice. 2,545,254, Mar. 13.
Pump: *See*—
Motor pump. Radial vane pump.
Pump. J. E. Bevins. 2,544,976, Mar. 13.
Pump. C. W. Sproull. 2,545,315, Mar. 13.
Pump assembly for liquid fuel burners. J. A. Wilson. 2,544,907, Mar. 13.
Pump connector. J. A. Parkes. 2,544,764, Mar. 13.
Pump having motor-driven hose retraction, Dispensing. H. H. Wolfe. 2,545,063, Mar. 13.
Punching tool. P. G. Mabby. 2,545,237, Mar. 13.
Push-button control. R. and M. Demeulenaere. 2,544,918, Mar. 13.
Putty remover. F. Pomichter. 2,545,379, Mar. 13.
Puzzle, Educational. L. J. Kemp. 2,544,961, Mar. 13.
Pyridine compounds and their production. N. Steiger. 2,544,904, Mar. 13.
Rack: *See*—
Candle-receiving rack.
Radial vane pump. N. F. MacMillin and H. M. Purcell. 2,545,238, Mar. 13.
Radioactivity detector. J. D. Lahmeyer and J. T. Callahan. 2,544,928, Mar. 13.
Radio heterodyne distribution system, Multiple. J. L. Cassell. 2,545,259, Mar. 13.
Radio pulse communication system. A. A. Varela. 2,544,740, Mar. 13.
Railway draft appliance. H. H. Wolfe. 2,545,330, Mar. 13.
Railroad spike puller. C. S. Grimm. 2,545,027, Mar. 13.
Rake, Self-cleaning. F. F. Mattmann. 2,545,001, Mar. 13.
Rake with adjustably connected bottom and back panels. H. F. Rath. 2,544,861, Mar. 13.
Ratchet mechanism, Reversible. R. G. Knudsen. 2,544,795, Mar. 13.
Rattrap, Electric. E. W. Schulz. 2,544,730, Mar. 13.
Reaction products of esters of polyphosphoric acids and heavy metal oxides and making same. R. H. Hurt. 2,544,858, Mar. 13.
Receptacle: *See*—
Heat exchange receptacle. Lunch receptacle.
Receptacle and holder, Combination. S. L. Cerniglia. 2,545,135, Mar. 13.
Record playing and selecting mechanism, Check controlled phonograph. G. F. Starnes. 2,545,117, Mar. 13.
Recovery of gold or silver. F. W. McQuiston, Jr. 2,545,239, Mar. 13.
Rectifier. E. Mittelmann. 2,545,298, Mar. 13.
Reel: *See*—
Film reel.
Two-part display and transfer reel.
Refining glyceride oils. T. H. Rider and S. D. Gershon. 2,544,725, Mar. 13.
Refrigerator control. W. E. Stitz. 2,545,054, Mar. 13.
Regulator: *See*—
Pressure breathing regulator.
Regulator. H. A. Alexanderson and H. C. Nette. 2,544,973, Mar. 13.
Remote control for vehicular combustion engines. W. N. Harrelson. 2,544,955, Mar. 13.
Removal of peroxides from hydrocarbons. L. C. Fetterly. 2,545,199, Mar. 13.
Rendering a fabric germicidal. I. L. Shechmeister. 2,544,732, Mar. 13.
Repeatedly ignitable composition rod. J. Ellenbogen. 2,545,076, Mar. 13.
Repeater system, Electrical. T. O. McCarthy and W. W. Thomas. 2,544,710, Mar. 13.
Rocket launcher. E. C. Walker. 2,545,217, Mar. 13.
Rod: *See*—
Curtain rod.
Repeatedly ignitable composition rod.
Roller and harrow, Combined. E. B. Dewey. 2,545,265, Mar. 13.
Roller in circular weaving looms, Anticreep warp-lifting. J. Rabeux and R. Jacob. 2,544,766, Mar. 13.

Rotary impact hand tool. O. E. Szekely. 2,544,736, Mar. 13.
Rotary well drilling bit. A. W. Kammerer. 2,545,035, Mar. 13.
Rotating means for screw conveyer housings. E. P. Escher. 2,545,140, Mar. 13.
Roughing-up machine, Sole edge. P. Westberg. 2,544,870, Mar. 13.
Rubber coated steel belts, Method and machine for making. E. Mittelmann. 2,545,370, Mar. 13.
Rudder for small boats, Reversing. F. R. Abbott. 2,544,642, Mar. 13.
Safety device for machine operators. G. Anderson. 2,545,013, Mar. 13.
Sash mounting. P. F. Gerken. 2,545,143, Mar. 13.
Saw, Insert segment. H. J. Fullerton. 2,544,920, Mar. 13.
Sawhorse, Collapsible. E. S. Garibuldi. 2,544,989, Mar. 13.
Saxophone. F. E. Comer. 2,545,227, Mar. 13.
Scoop, Leaf. C. J. Claude. 2,545,226, Mar. 13.
Scraper, Four-wheeled carry. B. L. D. Lamy. 2,545,235, Mar. 13.
Seat: *See*—
Child's toilet seat.
Seat and berth construction. W. R. Brown. 2,544,980, Mar. 13.
Sectional mattress holder. M. Rosberger. 2,545,311, Mar. 13.
Seeder with dispenser having vibratory means and variable seed discharge means, Garden. E. Hoffman. 2,544,960, Mar. 13.
Seismic exploration employing elevated charges. T. C. Poulter. 2,545,380, Mar. 13.
Selective switch. W. A. Sensinger. 2,545,172, Mar. 13.
Servo mechanism and control means therefor. G. Briggs. 2,545,223, Mar. 13.
Settee and chair, Reversible. K. E. Hand. 2,544,787, Mar. 13.
Sewage disposal equipment. J. O'Donnell. 2,545,301, Mar. 13.
Shaft cutting and centering machine. C. F. Crawford, H. A. Potts, and G. V. Price. 2,545,344, Mar. 13.
Shale distillation with fluidized residue treatment. H. V. Atwell. 2,544,912, Mar. 13.
Shaper attachment. J. R. Tackett and V. G. Evans. 2,545,393, Mar. 13.
Sharpener, Knife. J. A. Cahil. 2,544,777, Mar. 13.
Sharpener, Meat grinding blade. H. E. Watkins. 2,545,399, Mar. 13.
Sharpener, Pencil. H. L. Adams. 2,545,221, Mar. 13.
Sharpening machine, Cutter. R. E. Borchardt. 2,544,652, Mar. 13.
Shaving device. E. N. Nordhem. 2,544,897, Mar. 13.
Sheet feeding machine. S. Gaynor. 2,545,351, Mar. 13.
Shield for electric plugs. J. W. Brown. 2,544,654, Mar. 13.
Shield, Garment. M. Saari and V. De Cesare. 2,545,312, Mar. 13.
Shoulder pad. C. E. Mitchel. 2,545,039, Mar. 13.
Signal detector, Discriminating acoustic. F. P. Weber and M. J. Carmody. 2,545,218, Mar. 13.
Silica-magnesia catalyst, Preparation of a. G. M. Webb, R. W. Moehl, and M. J. Murray. 2,544,869, Mar. 13.
Silo chute closure. V. Kostreba. 2,545,234, Mar. 13.
Skeining machine. H. P. Ruf. 2,545,212, Mar. 13.
Ski, Discerptible. R. J. Meehan. 2,545,209, Mar. 13.
Skiatronic screens, Preparing. G. R. Fonda. 2,545,200, Mar. 13.
Sled construction. W. Flajole. 2,545,268, Mar. 13.
Side bearing. F. E. Bachman. 2,544,874, Mar. 13.
Slip, Strapless. S. Roodner. 2,545,109, Mar. 13.
Soft tubing connector. J. Corydon, II. 2,545,263, Mar. 13.
Solution of a conjoint polymer of vinylidene chloride and ethyl acrylate. R. E. F. Stuchlik. 2,545,317, Mar. 13.
Solutions of polyamides. J. R. Caldwell. 2,544,637, Mar. 13.
Spade, Motor-driven. J. D. Bolongaro. 2,544,747, Mar. 13.
Speed responsive device of the flyball type. J. T. Hunt. 2,544,791, Mar. 13.
Spinnaker sail. E. V. Willis. 2,544,770, Mar. 13.
Spring gate flux dam for galvanizing kettles. M. Hayes. 2,544,956, Mar. 13.
Sprinkler, Adjustable lawn. T. A. Barham, Sr. 2,544,773, Mar. 13.
Stabilizer for semitractors and trailers. J. K. Brewster. 2,545,339, Mar. 13.
Stabilizing apparatus for twin lens cameras, Image. H. Jensen. 2,544,686, Mar. 13.
Stacking and packaging machine for cans, Magnetic. J. C. Strickler. 2,544,735, Mar. 13.
Stapling device. M. E. Wampler. 2,545,397, Mar. 13.
Stay and device for opening and closing windows and like members, Combined. L. B. Henderson. 2,545,279, Mar. 13.
Steam generator. G. P. Jackson. 2,544,884, Mar. 13.
Stencil screen frame. C. J. Hannah and R. D. La Salle. 2,545,277, Mar. 13.
Step plate. L. E. Elfes. 2,545,139, Mar. 13.
Stop motion for Jacquard looms. A. J. Bartson. 2,545,065, Mar. 13.
Stop motion for spring needle knitting machines. E. Vossen. 2,545,324, Mar. 13.
Storing volatile liquids. H. C. Boardman. 2,544,651, Mar. 13.
Stretcher and tree, Shoe. M. F. Lau. 2,545,090, Mar. 13.
Stripper and cleaner for meat tenderising machines. A. L. Jackson. 2,545,407, Mar. 13.
Stroller and shopping carrier, Combination. R. S. Binder. 2,545,336, Mar. 13.
Submarine marker with sonic signal generators. V. Voorhees. 2,545,179, Mar. 13.
Sulfur dye, Production of a. J. T. Linster. 2,544,888, Mar. 13.
Support: *See*—
Cathode-ray tube support. Paper roll support.
Support for artistic flower arrangements, Stem. G. P. Regan. 2,545,383, Mar. 13.
Support for luminous tubing. R. V. Staaf. 2,545,416, Mar. 13.
Support for the arm of a radial boring machine, Outboard. A. Weiss. 2,545,181, Mar. 13.
Suspension device and shock absorber for vehicles. P. W. Thornhill and C. A. Gosling. 2,545,394, Mar. 13.
Sweatband. D. C. Lippmann. 2,544,798, Mar. 13.
Swing. E. E. Miller. 2,545,295, Mar. 13.
Switch: *See*—
Combination lock switch. Selective switch.
Cycle light switch.
Multiple contact selector switch.
Switch for covers of washing machines, Safety. H. B. Wallis and D. R. Neal. 2,544,867, Mar. 13.
Switch for electric toasters, Timing. F. Kuhn and L. H. Thomas. 2,545,288, Mar. 13.
Switchgear, Electric. G. Kilminster. 2,544,761, Mar. 13.
Switching device, Electronic. I. E. Grosdoff. 2,545,082, Mar. 13.
Swivel. D. A. Chase. 2,544,655, Mar. 13.
Syringe, Dental. A. J. Son. 2,545,115, Mar. 13.
Syringe, Hypodermic. G. D. Billingsley. 2,545,017, Mar. 13.
System and apparatus for controlling and counting the output of screw machines. M. L. Nelson. 2,544,895, Mar. 13.
System for filling containers by weight. T. A. St. Clair. 2,545,118, Mar. 13.
System of extracting, Continuous. F. C. Wedler. 2,544,816, Mar. 13.
Table: *See*—
Collapsible sectional top table.
Table leg clamping bracket. D. F. White. 2,544,817, Mar. 13.
Tail wheel jack. S. R. Parker. 2,544,855, Mar. 13.
Tank and cabinet combined, Irrigation. O. L. Ladewig. 2,545,089, Mar. 13.
Tank protective device, Automatic oil. F. J. Lee. 2,545,154, Mar. 13.
Telephone system, Restricted service automatic. J. Wicks. 2,544,944, Mar. 13.
Telescope gun sight mounting. P. S. Williams. 2,545,419, Mar. 13.
Television, Color. S. J. Koch and R. E. Rutherford. 2,544,690, Mar. 13.
Television receiver, Color. P. K. Weimer. 2,545,325, Mar. 13.
Television receiving system, Color. G. C. Sziklai. 2,545,420, Mar. 13.
Temperature control apparatus. R. C. Main. 2,545,206, Mar. 13.
Temperature control in regeneration of contact agents. J. W. Moorman and L. J. Kelly. 2,545,041, Mar. 13.
Temperature control, Lehr. A. H. Baker. 2,544,947, Mar. 13.
Temperature control system. R. A. Gund. 2,545,353, Mar. 13.
Tenderization of meat. A. Harsham and F. E. Deatherage. 2,544,681, Mar. 13.
Tensioning drive device. J. Clayton. 2,545,193, Mar. 13.
Tertiary diacyl amine insecticide. J. E. Kirby. 2,545,287, Mar. 13.
Tertiary diacyl amine insecticides. J. R. Johnson. 2,545,283, Mar. 13.
Testing device. F. H. Jackson. 2,544,685, Mar. 13.
Textile fiber working machine. B. H Rogers. 2,544,965, Mar. 13.
Therapeutic device, Electrical. F. J. Hart. 2,545,087, Mar. 13.
Thead marker. S. Isaacson. 2,544,757, Mar. 13.
Threaded coupling. J. C. Richardson. 2,545,167, Mar. 13.
Threaded insert protector. J. Rosan. 2,545,045, Mar. 13.
Throttle reversing linkage. C. E. Oates. 2,544,853, Mar. 13.
Time selector for electrical mechanisms. G. W. Switzer. 2,545,055, Mar. 13.
Tire demounting machine with circumferentially distributed thrust members. U. R. McCrary. 2,545,157, Mar. 13.
Toaster, Electric. A. M. Young. 2,545,404, Mar. 13.
Toilet article. H. A. R. Choquette. 2,545,342, Mar. 13.
Tone control in photography. J. A. C. Yule. 2,544,910, Mar. 13.
Tongs, Hydraulic. I. X. Calhoun. 2,544,639, Mar. 13.

Tool: *See*—
Percussive tool. Rotary impact hand tool.
Punching tool. Valve adjusting tool.
Tool for cleaning and polishing tubing ends and fittings. L. Witham. 2,545,329, Mar. 13.
Tool for dispensing, clamping, and cutting flexible strands. L. A. Frum. 2,544,784, Mar. 13.
Toothbrush holder. M. Perlin. 2,544,856, Mar. 13.
Topping machine, Beet. O. H. and N. A. Block. 2,544,650, Mar. 13.
Totalizer for stylus recording meters, Printing. W. E. Dueringer. 2,544,919, Mar. 13.
Toy, Child's riding. G. V. Glumer and J. M. Romero. 2,545,231, Mar. 13.
Toy, Gear. W. Ayres. 2,545,131, Mar. 13.
Toy, Pneumatic. E. Ospina-Racines. 2,544,720, Mar. 13.
Toy spring pistol. M. Jenkins. 2,545,358, Mar. 13.
Toy, Vehicle constructional. N. A. Logan. 2,545,155, Mar. 13.
Track-type landing gear. G. T. Drakeley and D. W. Finlay. 2,544,985, Mar. 13.
Traction device, Nonskid and auxiliary. G. F., M. M. and W. F. Bredl. 2,544,774, Mar. 13.
Trailer, Boat. J. L. Young and V. E. Carleton. 2,545,128, Mar. 13.
Trailer hitch assembly. V. K. Stratton and D. A. McClellen. 2,545,119, Mar. 13.
Trailer, Tank. J. W. Johns and C. J. Ekart. 2,545,088, Mar. 13.
Transducer for solid material testing, Rotating diaphragm. M. Meunier. 2,545,101, Mar. 13.
Transducer, Regenerative electromechanical. H. B. Schultheis, Jr. 2,545,007, Mar. 13.
Transformer construction. E. A. Link. 2,544,845, Mar. 13.
Transformer, Three-phase. D. E. Wiegand. 2,544,871, Mar. 13.
Transmission linkage for grading machines. H. W. Carnes and C. C. Thomas. 2,545,225, Mar. 13.
Transmitter, Power. P. Schulder. 2,544,768, Mar. 13.
Trap and making it, Ion. B. M. Nase. 2,544,934, Mar. 13.
Tray, Wine service. F. Clifford. 2,544,824, Mar. 13.
Treating roll mounting and roll drive. J. E. Erhardt, Jr. 2,545,025, Mar. 13.
Treating weighted muds for viscosity reduction. R. A. Salathiel. 2,545,169, Mar. 13.
Treatment of solid hydrocarbonaceous material. F. A. W. Leffer. 2,544,843, Mar. 13.
Tree moving apparatus. A. L. Pearson. 2,545,241, Mar. 13.
Trip for automatic phonographs. K. T. Johnson. 2,545,360, Mar. 13.
Trolling extension for fishing lines. A. and N. Westfall. 2,545,326, Mar. 13.
Trolling gear. C. A. Winslow. 2,545,185, Mar. 13.
Trough, Chicken feeding. W. V. and G. E. Niskala. 2,545,105, Mar. 13.
Trunks with waterproof pocket, Bathing. F. Kowatsch. 2,544,840, Mar. 13.
Tube: *See*—
Electron camera tube.
High-frequency high-power tube.
Tube evaporator, Vertical. H. E. Jacoby and C. P. Nilan. 2,544,885, Mar. 13.
Tube structure, High-frequency electron. W. H. Hansen and J. R. Woodyard. 2,544,679, Mar. 13.
Tube structure, High-frequency electron. W. W. Hansen. 2,544,680, Mar. 13.
Tucking device for knitting machines, Two-step. J. N. Gilbreath. 2,544,829, Mar. 13.
Turbine control apparatus. H. Anderson. 2,545,187, Mar. 13.
Turbine with variable nozzle area for maintaining constant pressure drop through the turbine. A. B. Newton. 2,544,852, Mar. 13.
Two-part display and transfer reel. E. P. Hoyle. 2,545,145, Mar. 13.
Type lever arrangement for stenographic machines. G. W. Nunn. 2,545,375, Mar. 13.
Typewriter and like separably interfitted stem and molded cap keys. C. H. Bradt. 2,545,133, Mar. 13.
Typewriter attached manifold gripping device. B. U. Demorest. 2,545,071, Mar. 13.
Ultramarine and making same. C. A. Kumins. 2,544,693, Mar. 13.
Umbrella cover. S. M. Crewdson. 2,545,022, Mar. 13.
Utensil, Cooking. B. W. Mach. 2,544,846, Mar. 13.
Vaginal speculum. T. C. Gilbert. 2,545,201, Mar. 13.
Vaginal speculum. J. L. Marco. 2,544,932, Mar. 13.
Valve: *See*—
Automatic drifting valve. Fuel tank vent valve.
Balanced valve. Prefill valve.
Drainpipe valve.
Valve adjusting tool. J. L. Hancock. 2,544,834, Mar. 13.
Valve and fitting. E. E. Martin. 2,545,000, Mar. 13.
Valve arrester, Locomotive. A. Travis. 2,544,866, Mar. 13.
Valve for deep wells, Control. O. R. Stump and A. W. Titus. 2,545,175, Mar. 13.
Valve mechanism for hydraulic units. W. H. Worthington and E. F. Jirsa. 2,544,972, Mar. 13.
Variable frequency tank circuit. L. N. Hadley, Jr. 2,544,832, Mar. 13.
Vault construction, Grave. O. C. Warrick. 2,545,060, Mar. 13.
Vehicle step, Yielding. D. McCann. 2,544,799, Mar. 13.
Vehicle wheel. C. S. Ash. 2,545,130, Mar. 13.
Vibrating apparatus for molding concrete slabs. H. B. Hemb. 2,545,029, Mar. 13.
Vitamin Products and obtaining the same. J. J. Pfiffner. 2,545,304, Mar. 13.
Voltage system, Filament-plate. A. O. C. Nier. 2,544,716, Mar. 13.
Vulcanization of chloroprene polymers. A. A. Baum. 2,544,746, Mar. 13.
Walking and balancing device, Baby. J. Spiteri. 2,545,009, Mar. 13.
Waste disposal apparatus. J. H. Ashbaugh and E. R. Wolfert. 2,544,745, Mar. 13.
Water heater. J. H. Knapp. 2,544,927, Mar. 13.
Water softening apparatus and system. H. C. Fischer. 2,545,425, Mar. 13.
Wave inverter. D. L. Hings. 2,545,232, Mar. 13.
Welding gun. A. Muller and G. J. Gibson. 2,544,801, Mar. 13.
Welding machine. C. D. Jones. 2,545,284, Mar. 13.
Well boring apparatus. A. W. Kammerer. 2,545,033, Mar. 13.
Well swab. J. M. Donzis. 2,544,984, Mar. 13.
Wheel: *See*—
Industrial truck caster Vehicle wheel.
wheel.
Wheel cover. G. A. Lyon. 2,544,699–705, Mar. 13.
Wheel drive for scooters and the like, Rear. R. M. H. Kander. 2,544,996, Mar. 13.
Whipstock. R. Buttolph. 2,544,982, Mar. 13.
Windshield wiper mechanism. E. E. Sivacek. 2,544,807, Mar. 13.
Wire dispenser. T. Goddard. 2,545,079, Mar. 13.
Wire netting machine. H. L. Kitselman. 2,544,838, Mar. 13.
Wood preservation. R. H. Bescher. 2,545,222, Mar. 13.
Wood products, Making laminated. G. Kessler. 2,545,286, Mar. 13.
Wrapping machinery. J. A. Gilbert. 2,545,273, Mar. 13.
Wrench provided with cam actuated locking means, Slidable jaw. A. G. Hanson. 2,545,355, Mar. 13.
Wrench with separate actuntors, Dual socket. R. E. Stanton. 2,545,391, Mar. 13.
Yarn controlling device. I. H. C. Green. 2,545,081, Mar. 13.

CLASSIFICATION OF PATENTS

ISSUED MARCH 13, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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D20— 2: Des. 162,415
4: Des. 162,400
D22— 3: Des. 162,468
D26— 5: Des. 162,409
Des. 162,436
Des. 162,437
Des. 162,438
Des. 162,439
D26—13: Des. 162,444
D29— 2: Des. 162,385
23: Des. 162,374
Des. 162,384
Des. 162,469
Des. 162,470
Des. 162,473
D31— 2: Des. 162,405
4: Des. 162,487
D33— 6: Des. 162,491
7: Des. 162,378
8: Des. 162,431
16: Des. 162,393
19: Des. 162,424
Des. 162,493
D34— 5: Des. 162,386
Des. 162,475
15: Des. 162,376
Des. 162,408
Des. 162,414
Des. 162,423
Des. 162,499
D34—15: Des. 162,500
D36— 2: Des. 162,411
Des. 162,412
D37— 1: Des. 162,394
Des. 162,433
D42— 7: Des. 162,391
Des. 162,488
D44— 1: Des. 162,389
Des. 162,399
9: Des. 162,371
10: Des. 162,445
Des. 162,494
22: Des. 162,496
29: Des. 162,435
D45— 4: Des. 162,429
Des. 162,448
Des. 162,458
9: Des. 162,382
Des. 162,449
Des. 162,450
16: Des. 162,447
D45—16: Des. 162,455
Des. 162,457
Des. 162,462
Des. 162,463
Des. 162,464
Des. 162,465
19: Des. 162,416
Des. 162,417
Des. 162,418
Des. 162,419
Des. 162,420
Des. 162,421
Des. 162,446
Des. 162,451
Des. 162,452
Des. 162,453
Des. 162,454
Des. 162,456
Des. 162,460
Des. 162,461
Des. 162,466
Des. 162,467
D47— 7: Des. 162,383
Des. 162,398
Des. 162,403
Des. 162,477
Des. 162,478
Des. 162,479
D49— 1: Des. 162,388
Des. 162,432
D50— 7: Des. 162,501
D52— 1: Des. 162,370
Des. 162,396
D54— 2: Des. 162,413
12: Des. 162,373
Des. 162,497
Des. 162,498
D55— 1: Des. 162,440
D56— 1: Des. 162,406
D59—10: Des. 162,480
Des. 162,481
Des. 162,482
Des. 162,483
Des. 162,484
D64—11: Des. 162,377
Des. 162,390
Des. 162,441
D65— 1: Des. 162,502
D67— 3: Des. 162,471
Des. 162,474
D80— 5: Des. 162,402
9: Des. 162,392
Des. 162,407
Des. 162,425
Des. 162,434
10: Des. 162,397
11: Des. 162,472
D85— 2: Des. 162,442
D86— 8: Des. 162,430
D87— 3: Des. 162,395
Des. 162,422
Des. 162,490
D90—20: Des. 162,410
Des. 162,489
D92— 1: Des. 162,428
26: Des. 162,404

U. S. GOVERNMENT PRINTING OFFICE : 0—1951

Condition of Applications Under Examination at Close of Business February 23, 1951

Total number of patent applications awaiting action, 118,555. Date of oldest new application, February 25, 1950; date of oldest amended application, February 24, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
*C. E. D. Hertz, M. (no classes)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-15-50	3-16-50	2708
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-20-50	4-4-50	1814
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	6-8-50	6-10-50	1607
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	2-25-50	2-27-50	2110
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	2-25-50	2-24-50	1666
6. SURLE, H., Carbon Chemistry (part)	5-10-50	5-2-50	1815
7. GONSALVES, J. E., Optics; Photography (part)	8-5-50	8-1-50	1175
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-20-50	3-20-50	2206
9. BENSON, R. B., Pumps and Fans: Fluid Motors	3-15-50	3-6-50	1491
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	3-27-50	3-7-50	1327
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	3-10-50	3-7-50	1390
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-1-50	5-2-50	1350
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	3-21-50	3-17-50	1529
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-3-50	4-3-5	1575
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-29-50	6-29-50	1153
16. LOVEWELL, N. N., Television; Telephony	5-5-50	5-1-50	1177
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-9-50	3-4-50	2199
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-1-50	2-24-50	1643
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	3-29-50	4-1-50	1359
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	3-23-50	3-13-50	1776
21. MADER, R. C., Textiles; Package and Article Carriers	3-9-50	3-1-50	1803
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-20-50	3-15-50	1295
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-6-50	2-24-50	856
24. DRACOPOULOS, P. T. (Acting), Apparel; Apparel Apparatus; Sewing Machines	6-28-50	7-3-50	1585
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separatos; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-24-50	5-23-50	1556
26. YOUNO, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	3-31-50	3-15-50	1321
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-17-50	4-18-50	2223
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-5-50	3-7-50	1538
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	4-21-50	5-11-50	2138
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	6-23-50	6-23-50	1984
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-2-50	5-13-50	2076
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-5-50	4-10-50	1466
33 MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-7-50	4-21-50	2047
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	3-18-50	3-16-50	1623
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	4-5-50	4-7-50	1782
36. McFADYEN, A. D., Measuring and Testing; Automatic Weighers; Weighing Scales	3-2-50	2-28-50	1724
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	4-17-50	4-15-50	1334
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	6-5-50	5-24-50	1266
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	3-7-50	3-6-50	2779
40. DRUMMOND, E. J., Receptacles (part); Packages	4-27-50	3-27-50	3139
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-13-50	3-15-50	1607

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 118,555. Date of oldest new application, February 25, 1950; date of oldest amended application, February 24, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	5-2-50	4-11-50	2100
43. ASP, NOGI A. (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	6-24-50	6-17-50	994
44. HARVEY, L. P., Beds; Chairs, Seats	3-14-50	3-10-50	1688
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-3-50	4-1-50	1821
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (doors, windows, awnings and shutters); Kitchen and Table Articles.	3-20-50	3-7-50	1361
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	4-23-50	4-6-50	1695
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	6-10-50	4-10-50	1100
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	3-25-50	3-14-50	1722
50. LEVIN, SAMUEL, Synthetic Resins	8-11-50	6-21-50	1525
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-1-50	3-28-50	1522
52. POPPE, W. A., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-17-50	3-24-50	3094
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-28-50	3-16-50	1037
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-20-50	4-6-50	1714
55. KLINE, J. R. (Acting), Artificial Body Members; Dentistry; Surgery; Toilet	6-16-50	6-21-50	1193
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	5-15-50	5-15-50	1803
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	7-12-50	7-7-50	1242
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	3-22-50	3-22-50	1356
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-27-50	5-9-50	1236
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	4-17-50	1208
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-10-50	4-5-50	1861
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-20-50	3-2-50	2279
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	6-14-50	6-16-50	1578
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and miscellaneous.	7-27-50	7-26-50	1766
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	6-1-50	5-31-50	1696
66. LISANN, I., Geometrical Instruments	4-6-50	4-18-50	997
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	5-27-50	6-10-50	1446
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	5-11-50	5-18-50	1647
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-9-50	3-2-50	1583
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-6-50	3-3-50	2004
DESIGNS: BREHM, G. L	11-20-50	11-20-50	2015

Total number of trade-mark applications awaiting action (including renewals and republications), 22,686. Date of oldest new application, May 26, 1950; date of oldest amended application, May 26, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	6-13-50	5-26-50	6524
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	6-6-50	6-9-50	4031
Renewals (All Classes)	12-22-50	1-24-51	315
Republications (All Classes)	1-2-51	1-24-51	116
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-1-50	5-31-50	6115
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 106, 108, 107	5-26-50	5-27-50	5585

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE DE VANEY

No. 5782. Decided December 5, 1950

[— F.2d —: 88 USPQ 97]

1. APPEAL TO THE U. S. COURT OF CUSTOMS AND PATENT APPEALS—REASONS OF APPEAL—STATEMENT BY EXAMINER NOT CHALLENGED.

Although the record shows that the accuracy of a statement by the Examiner was challenged by the appellant in his brief before the Board, *Held* that where there is no reference to this phase of the controversy in the Board decision nor any allegation of error in the reasons of appeal filed with the court, the Examiner's statement must be taken as correct.

2. WORDS AND PHRASES—"ABOUT."

In view of the flexibility in the meaning of the word "about," *Held* that the court cannot accept the appellant's insistence that the example given in the reference of a pH value "maintained at about 7.0" means maintenance at precisely 7.0.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—PROCESS OF CONCENTRATING IRON ORE.

Certain claims to a process of concentrating oxidic iron-bearing material *Held* unpatentable over the prior art.

APPEAL from Patent Office. Serial No. 505,697.

AFFIRMED.

Pierce, Scheffler & Parker (*Ralph E. Parker* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of all the claims—three in number—embraced in appellant's application for patent relating to alleged improvements in the beneficiation of siliceous iron-bearing minerals by cationic froth flotation processes. It is understood that by "beneficiation" as used in mineral art concentration of the ore is meant.

The claims read:

6. Process of concentrating the oxidic iron content of an aqueous pulp of a siliceous, essentially non-magnetic oxidic iron-bearing material by froth flotation, which comprises adding to the aqueous pulp an alkali in an amount sufficient to alkalize the pulp to a pH of from about 8 to about 10, subjecting the pulp at such alkalinity to froth flotative treatment using a frother and a cationically-acting amine collector consisting predominantly of a water-soluble form of a primary aliphatic amine having an aliphatic chain corresponding in length to that of a coconut oil fatty acid, and recovering a concentrate of oxidic iron from the underflow.

9. Process of concentrating the oxidic iron content of an aqueous pulp of a siliceous, essentially non-magnetic oxidic iron-bearing material by froth flotation, which comprises adding to the aqueous pulp an alkaline-acting alkali metal compound in an amount sufficient to alkalize the pulp to a pH of from about 8 to about 10, subjecting the pulp at such alkalinity to froth flotative treatment using a frother and as a cationic collector a water-soluble derivative of primary dodecylamine, and recovering a concentrate of oxidic iron from the underflow.

10. Process of concentrating the oxidic iron content of an aqueous pulp of a siliceous, essentially non-magnetic taconite by froth flotation, which comprises adding to the aqueous pulp an alkaline-acting alkali metal compound in an amount sufficient to alkalize the pulp to a pH in excess of 8, subjecting the pulp at such alkalinity to froth flotative treatment using a frother and a cationically-acting amine collector consisting predominantly of a water-soluble form of a primary aliphatic amine having an aliphatic chain corresponding in length to that of a coconut oil fatty acid, and recovering a concentrate of oxidic iron from the underflow.

The references consist of three patents and two publications, cited in the brief of the Solicitor for the Patent Office in the following arrangement: Lenher, 2,132,902, Oct. 11, 1938; Harris, 2,177,985, Oct. 31, 1939; Trotter et al., 2,205,503, June 25, 1940; Bureau of Mines R. I. 3333, pages 13–20; Arbiter—"Collection of Metals by Amines" Tech. Paper No. 1581—pp. 7, 8.

In the brief for appellant it is pointed out that claim 6 (which the Board quoted as illustrative) is broader than claim 9 (which the brief quotes as representative) "in the respect that the cationic collector may be any 'water-soluble form of a primary aliphatic amine having an aliphatic chain corresponding in length to that of a coconut oil fatty acid,'" and that claim 10 "is limited to a treatment of 'essentially non-magnetic taconite' • • • and calls for maintenance of 'a pH in excess of 8' in the pulp circuit." The brief describes the taconite so referred to as "a particular ferruginous chert found in great quantities in northern Minnesota and elsewhere."

There is no contention before us, nor was there any below, that there is any limitation in any claim which distinguishes it patentably from any other claim. Therefore, as is suggested in the brief of the Solicitor for the Patent Office, all three claims stand or fall together.

In the brief for appellant it is said, in substance, that the claims are limited to what is asserted to be his "specific contribution to the art of cationic froth-flotative beneficiation," to-wit:

• • • in the case of beneficiating oxidic (specifically, hematitic) iron ore materials, using higher primary (or mixed primary-secondary) aliphatic amines as the collectors, the pulp circuit should be *distinctly* alkaline (pH

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8 or higher). His researches brought out the additional fact that there is a relationship between the optimum alkalinity and the length of the alkyl chain of the aliphatic amine collector: "the longer the chain the higher should be the alkalinity, *with a pH of about 10 as maximum*" • • •. [Italics quoted.]

A somewhat less technical description is given in the decision of the Board as follows:

The subject matter of the claims under consideration is a process for concentrating non-magnetic oxidized iron ores by froth flotation in which a cationically-acting amine collector, consisting predominantly of a water soluble form of a primary aliphatic amine having an aliphatic chain corresponding in length to that of a coconut oil fatty acid, is used as frother, and the pulp is alkalized to a pH of from about 8 to about 10.

All the claims were rejected by the Primary Examiner as lacking invention over the patent to Lenher taken in view of the other references. Concerning the Lenher reference he said, inter alia:

The patent to Lenher is the basic patent on the froth flotation of acidic ore with the "so called cationic reagents." This patent discloses that acidic or negative charge constituents of ores may be floated with amines or quaternary ammonium compounds.

The brief for appellant states:

This [the Lenher] patent • • • is understood to be the first disclosure—or among the first disclosures—of cationic froth flotation. • • •

The cationic process differs materially from what is known as the anionic froth flotation process which latter, so far as we can discern from the record, was the only process in use prior to the development of the cationic process.[1]

In the brief for appellant, after some analysis of the references, it is said (in the course of its argument as to the non-applicability of the Lenher patent as a reference):

It should be noted that appellant does not claim invention in the use of aliphatic amines as cationic collectors: Lenher made that important discovery. Nor is appellant claiming invention in the concept of floating silica from iron oxide broadly; that is the subject matter of his application Serial No. 500,002 (Record, p. 85 et seq.). *What he here claims as patentable invention is the improved method involving making the pulp circuit distinctly alkaline—pH of 8 to 10—in floating silica away from non-magnetic iron oxide when using an aliphatic amine as the cationic collector.* [Italics ours.]

So, in the final analysis, the ultimate issue presented is relatively narrow, having to do primarily with the pH range of the pulp referred to in the claims.

The brief for appellant before us contains what is termed a "Glossary" (which, it may be said, conforms to standard chemical publications) in which pH is defined as follows:

"pH": hydrogen ion concentration or "hydrogen potential"; a measure of the acidity or alkalinity of an electrolyte. Hydrogen ion concentrations vary between 1 (for strongly acidic) through 7 (for the neutrality point) to 14 (for strongly alkaline) electrolytes. A pH of between 6 and 7 means very weakly acidic; a pH of between 7 and 8 means very weakly alkaline.

There is before us, as there was before the Board, a question respecting the teaching of Lenher relative to the matter of pH range.

In its decision the Board quoted from the brief of appellant before it (which is not included in the record before us except as so quoted) appellant's description of the Lenher teaching, stating that with the exception of one assertion it considered such description fair and accurate.

The matter quoted in the Board's decision follows immediately the matter quoted in the footnote, supra. It reads:

When the Lenher Patent No. 2,132,902 issued, in October of 1938, the art was informed of a distinctly different method of froth flotation, viz., the so-called "cationic" froth flotation process, wherein mineral particles bearing a *negative* charge are induced selectively to float (and be collected in the froth) while the *positively* charged particles of the pulp tend not to float but rather to remain in the underflow. Lenher taught to use, as the reagent for effecting this type of separation, an organic compound "the surface active portion of which is a positive ion." That is to say, patentee taught that to raise negatively charged particles into the froth there should be used a reagent having a net positive charge. Patentee named many positively charged compounds including quaternary ammonium compounds and higher aliphatic amines, such for example as dodecylamine, in their water-soluble forms. [Italics quoted.]

He illustrated this concept by using positively charged collectors (particularly certain quaternary ammonium compounds) for floating feldspar (Examples 1 and 2) from positively charged gangue particles and ilmenite (Example 3) from garnet, and stated that other negatively charged ores such as "quarts; ilmenite; the pyroxenes; the spinels such as picotite and magnetite; the micas such as biotite and muscovite"; could be similarly froth-flotatively beneficiated using reagents having a net positive charge. Lenher taught that in effecting the cationic process the pulp circuit should be maintained neutral (i. e., pH 7.0).

The Board took exception to the last sentence, reading: "Lenher taught that in effecting the cationic process the pulp circuit should be maintained neutral (i. e., pH 7.0)." declaring "we find no general directions in this patent to this effect." This holding is specifically assigned as error in appellant's reasons of appeal to us.

Appellant's brief before us (we assume for purposes of emphasis) is quite repetitious and for that reason we have experienced some difficulty in considering the arguments on his behalf in logical order.

However, it is clear that throughout the brief emphasis is now being placed upon the limitation or restriction to the treatment, by the method defined in the claims, of *non-magnetic* iron oxide. In claims 6 and 9 the material treated is defined as "siliceous, essentially *non-magnetic* oxidic iron bearing material" (which in the brief is said to be hematite), and in claim 10 it is defined as a "siliceous, essentially *non-magnetic* taconite." [Italics ours.]

Appellant contends that the Lenher patent "does not mention or teach the cationic froth flotation process of any *non-magnetic* oxidic iron ore material." [Italics ours.] In other words, we understand appellant's contention to be that Lenher's treatment, so far as the iron oxide material is concerned, is confined to magnetic iron oxide "(i. e. magnetite)."

In the statement of the Primary Examiner it was distinctly averred:

The recitation of the particular class of ores, and of the limited pH concentration and of the particular reagent *is not in accordance with the original specification* which is more generic as to each of these details. [Italics ours.]

[1] We do not find the accuracy of that statement specifically challenged in the assignments of error accompanying appellant's appeal to the Board, but from the reply of the Primary Examiner to appellant's brief before the Board we assume it may have been argued therein in some manner, because the reply three times refers to the assertion relating to the class of ores not being in accordance with the original specification, saying at one place, "The emphasis on non-magnetic iron oxide in the Brief is not supported by the original disclosure"; at another place, "The applicant's argument overlooks again • • • that the applicant's original specification nowhere mentioned any difference between magnetic and non-magnetic iron ore"; and at still another place, "The applicant did not originally state that there was any difference between the types of iron ore and *originally claimed a process generic to all iron ores.*" [Italics supplied by us.]

We do not find any reference to this phase of the controversy in the decision of the Board, nor do we find any allegation of error, in the reasons of appeal filed with us, which relates to the finding of lack of difference between the types of iron ore, nor is the finding discussed in the brief for appellant before us.

In the brief of the Solicitor for the Patent Office it is said:

• • • Under these circumstances it would appear that the Examiner's statement must be accepted as correct. *In re McCabe*, 24 CCPA [Patents] 1224, 90 F.2d 111, [33 USPQ 539]; *In re Davis et al.*, 29 CCPA [Patents] 723, 123 F.2d 651, [51 USPQ 458].

We are in agreement with the view so expressed by the Solicitor.

Before discussing the effect of this holding, however, it is deemed proper to consider some of the other contentions made on behalf of appellant.

It is contended on his behalf that the Lenher disclosure is not properly combinable with the other references on the grounds (as epitomized in the brief of the Solicitor for the Patent Office):

(1) that the patentee does not suggest varying the pH, (2) that the patent does not disclose separating an iron ore from silica by any method, and (3) that the state of the art does not warrant generalizations concerning the functioning of frothers or collectors.

The holding of the Board with respect to the subject matter of ground No. 1 has been recited hereinbefore, but we made no ruling upon appellant's allegation that such holding constituted error.

The discussion of the Lenher patent in the brief before us is substantially the same as that stated by the Board to have been presented in the brief before it, quoted supra, except that the sentence to which the Board "took exception" is not reiterated in the form there stated, but it is recited that Lenher gave three examples and that:

• • • In Example 1, Lenher expressly stated that the pH value of the pulp circuit was to be "maintained at *about* 7.0" • • • and in each of Examples 2 and 3 Lenher noted that he followed the conditions observed in Example 1, ergo, that the pulp circuit was maintained at about 7.0. [Italics ours.]

It is noted that the Primary Examiner, in his statement following the appeal to the Board, said, inter alia:

• • • The term "about" does not set any definite limits on range sought to be established as critical. *Innis Speiden and Co. v. Food Machinery Corp.* 58 USPQ 301, 305.

Also, in the reply to the brief for appellant filed before the Board, it was said:

• • • While the [Lenher] patent shows an example in which the pH was maintained neutral, there is nothing in the patent to limit his process to neutral pulp.

Incidentally it may be said that the symbol "pH" does not seem to have been used in the claims of the Lenher patent. Its use actually is referred to in only Example 1 of the specification, but by inference it, perhaps properly, may be considered as being present in Examples 2 and 3, and we have considered it from that standpoint.

[2] In view of the flexibility in meaning of the term "about," however, we are not prepared to accept appellant's insistence that the example given in the Lenher patent of a pH value "maintained at about 7.0" means maintenance at precisely 7, said to be the exact neutrality point.

Another holding closely related to that just discussed was made by the Primary Examiner and recited in his statement following the appeal to the Board as follows:

The determination of the most appropriate pH concentration to use with a given flotation agent on a particular ore appears to be only the performance of routine experiment. Such experiments would be obviously made by any worker in the art.

The Board after quoting from appellant's brief before it said:

It is clear from the above excerpts from the appellant's brief that his alleged invention resides in making the pulp circuit distinctly alkaline when using aliphatic amines of the type defined in the claims as collectors. The Examiner holds that this involves no invention because it is well recognized in the prior art that the pH of the pulp has a marked effect upon the effectiveness of cationic flotation agents for separating the components of particular ores and that it is, therefore, a matter of routine investigation rather than invention to determine the optimum pH range for concentrating any given ore with any particular cationic flotation reagent.

We have given careful consideration to the appellant's arguments, but we find no reversible error in this holding.

It is noted that appealed claims 6 and 9 call for alkalization of the pulp to a pH of from about 8 to about 10 and claim 10 fixes only a minimum limit of 8. Obviously, appellant himself requires flexibility in the meaning of the term "about." We observe that in the quotation from the Glossary, supra, supplied in the brief for appellant, it is said that a pH of between 6 and 7 means "very weakly acidic" while a pH of between 7 and 8 means "very weakly alkaline."

As a matter of possible interest, we insert here a definition of "pH" found in Bennett's "Concise Chemical and Technical Dictionary" published in 1947. It is somewhat more elaborate than that given in appellant's Glossary.

pH. Hydrogen ion concentration, measured as the number of gram molecules of hydrogen ions per liter of solution;

[1] The brief for appellant recites certain historical matter, which furnishes an interesting background for study of the case. It reads:

Prior to about 1937, a great deal had been learned as to the beneficiation of ore materials in general by what is known as the anionic froth flotation process, wherein ore particles bearing a *positive* charge are induced to float (and be collected in the froth) while the siliceous or *negatively* charged particles of the pulp are not floated but remain in the underflow. This anionic froth flotation process had come into large-scale industrial use for the beneficiation of various ores, e. g., copper ores and gold ores. [Italics quoted.]

However, the anionic method was found to have very definite limitations and weaknesses. The reagents were frequently quite inefficient and resulted in low yields of inferior concentrates. Because of the poor efficiency, the froth flotation of many ores was considered industrially impossible. Particularly in the case of iron ore materials—where the relatively very low cost of the beneficiated product made it economically impossible to add a substantial processing cost—it had been found that the anionic froth flotation process, as then known, was not economically feasible because (1) it required the use of relatively very large amounts of the conventional anionically-acting flotation reagents, and (2) it effected a less than desirably sharp separation between iron ore particles and siliceous gangue particles.

generally expressed as the logarithm of its reciprocal, i. e.,

$$pH = \log \frac{1}{[H]^+}$$

The pH is a measure of acidity and alkalinity, neutrality being at pH 7; pH under seven indicates an acid solution and pH over seven an alkaline solution; the nearer the pH to seven the weaker is the acid or the alkali.

It is a most reasonable supposition that the concentration of some ores of the type defined in the appealed claims requires a "very weakly alkaline" such as one having a pH between 7 and 8 which would be covered by the term "about"; that others require stronger alkalines anywhere "from about 8 to about 10"; while others might require even more than 10—the Glossary seems to teach use of an alkaline having a pH as high as 14. This would seem to be covered by the phrase "in excess of 8" appearing in claim 10.

We do not think it was error to affirm the Primary Examiner's holding to the effect that determination of the pH proper to be used in the concentration of ores, including, of course, the particular ores named in appellant's claims, is a matter of routine investigation rather than one of invention.

The second ground advanced on behalf of appellant as a reason against combining the Lenher disclosure with the other references is stated in his brief as follows:

The Lenher patent does not disclose separating an iron ore from silica by any method.

It is thought that this contention is highly technical and without merit. Certainly Lenher discloses a flotation process for application to a material in which iron oxide and silicate are mingled. The purpose of the flotation process fundamentally is to separate the iron ingredient from other ingredients so that the iron ingredient may become useful in industry.

Hackh's Chemical Dictionary defines "flotation" as follows:

A method of concentrating ores by grinding them with a frother, as oils or acids and separating the differently moistened or wetted mineral particles by floating them upon water, usually agitating the mixture by compressed air. The wet gangue settles out and the concentrated ore is skimmed off.

It would be somewhat difficult, it seems to us, to attribute any particular utility to Lenher's process if it did not work a separation of the ingredients of the raw material to which it is applied. At any rate we do not doubt that separation is necessarily inherent in the process.

The third ground advanced on behalf of appellant as a reason against combining the Lenher disclosure with the secondary references is (as stated in his brief):

The state of the art does not warrant generalizations, or the a priori application of knowledge of the functioning of one collector to the functioning of a different collector.

The general principle which we regard as applicable here is well stated, with citation of authorities, in the brief of the Solicitor as follows:

The rule is well established that it is entirely proper to consider a number of references to the prior art in connection with the allowance of patent claims, and that in such cases the question is whether the prior art suggests doing the thing that the appellant has done. *In re Stover*, 32 CCPA [Patents] 823, 146 F.2d 299, [64 USPQ 186]; *In re Merkle* 32 CCPA [Patents] 1151, 150 F.2d 445, [66 USPQ 165]; *In re Herthel*, 33 CCPA [Patents] 1202, 156 F.2d 170, [70 USPQ 234]. Moreover, the mere fact that no single reference shows the complete combination is of no legal significance. *Jungersen v. Ostby & Barton Co.*, 80 USPQ 32.

Appellant's application is in the field of cationic froth flotation utilized in treating certain types of iron-bearing minerals in order to recover the iron for industrial purposes. That field of art was not created by appellant. That he frankly concedes, giving to Lenher the credit of making the "important discovery" of using aliphatic amines as cationic collectors, as hereinbefore has been recited. The Primary Examiner in the performance of his duty made search and found teachings which he regarded as directly pertinent that were made by others than Lenher before appellant entered the field, and he applied those references along with Lenher's teachings—Lenher being the pioneer in the field according to the record before us.

The Primary Examiner's findings of fact relative to what he deemed to be the pertinent features of the secondary references read:

The Bureau of Mines paper No. 3333 describes experiments with reagents of the cationic class. It particularly notes that the pH concentration influences the charge and collection on most minerals. It states that the positively charged reagents are in general specifically collectors for silica from non-sulphides. It specifically mentions the flotation of silica from iron ores and gives an example of the separation of silica from magnetite in which soda ash was added to the pulp. The article also states that test of hematite and martite ores gave flotation of the silica.

The patent to Trotter in Example 23 shows the froth flotation of a hematite ore with a cationic reagent. The patent states, "In alkaline circuit this reagent was found to have a definite selective action in favor of silica, while on acidifying the pulp the effect was reversed the iron mineral being found to float in preference to the silica."

The patent to Harris shows the flotation of various ores with cationic reagents. The patent states, "again effective separation at a pH of about 7 to 8 can be made with silica from iron ore."

The article by Arbiter is directed to the froth flotation of ore with amines. The article states "The fact that recovery and pH of a flotation pulp are related has been known ever since the early days of froth flotation. Gaudin showed that the optimum pH differs for different collectors and his work suggests a different optimum for different minerals with the same collector. Taggart and Arbiter show that, as far as collection by soaps is concerned, there is a different optimum pH for flotation of each metallic cation, dependent upon the basic character of the cation, and that depression either side of this optimum is proportional to the hydrogen-ion concentration and apparently is due to difference in the degree of ionization of the surface-anchored hydrocarbon compound.

"The effects of variation in hydrogen-ion concentration on attachment of air bubbles to amine-conditioned metalliferous particles are indicated in Figures 1, 2 and 3."

The Board declared that "the secondary references relied on by the Examiner clearly show that the effectiveness of cationic collectors with ores is dependent on the pH concentration of the pulp," and followed this with quotations from each of such references[1] in support of its holding so made which,

[1] In connection with the matter quoted from the Bureau of Mines publication, which stated, inter alia, that "The flotation of silica from soft iron ores that slime readily was more difficult," the Board said:

Since no data upon which the above quoted assertions are based are given in this publication, it is difficult for us to evaluate its true significance. It appears to us that it is quite possible that the ores used by the Bureau of Mines investigators slimed too readily.

Appellant filed a petition for reconsideration of the Board's decision covering a number of points. An affidavit relating to the Board's statement above quoted was filed upon the basis of which the Board withdrew the statement but said:

However, since our decision does not depend on the accuracy of the inference upon which this statement was based, the withdrawal of this statement does not materially affect our final decision.

After considering all the points raised by appellant's petition, the Board declined to change its original conclusion or to make any change in the decision other than the withdrawal of the quoted statement.

of course, was in entire harmony with the holding of the Primary Examiner.

We do not deem it necessary to repeat the quotations made by the Board from the secondary references. Appellant does not—indeed could not—challenge their accuracy as findings of fact. We regard them as pertinent to the issue before us and proper to be considered along with the Lenher disclosure in determining the "state of the art." We are unable to discern how the actual state of the art of cationic froth flotation could be determined without considering them. Hence, we are of opinion that combining the secondary references with Lenher's disclosure constituted something more than "the a priori[2] application of knowledge of the functioning of one collector to the functioning of a different collector."

Appellant's reasons of appeal embrace 21 separate allegations of error and each of them is discussed in the elaborate and—we may add—closely reasoned (although we are unable to agree to all the reasoning) brief on his behalf. This court is not unmindful of the importance of recovering from low grade ores, and materials which were long treated as mining wastes, such minerals as may be used in industry, and we are sympathetic with all efforts looking to such recovery. We have studiously considered appellant's arguments. Many of the assignments of error are incidental in character and while properly included are not material in view of the conclusion which we feel compelled to reach upon the fundamental question which, as we have stated, constitutes the ultimate issue in the case. Therefore, it is unnecessary to prolong this opinion by attempting to follow and reply seriatim to the arguments advanced concerning such assignments.

For the reasons which we have given we are not convinced that the Board of Appeals erred in affirming the rejection of the claims by the Primary Examiner, and its decision is affirmed.

AFFIRMED.

[2] The definition of the Latin phrase "a priori" given in Black's Law Dictionary is:

From the cause to the effect; from what goes before. A term used in logic to denote an argument founded on analogy, or abstract considerations, or one which, positing a general principle or admitted truth as a cause, proceeds to deduce from it the effects which must necessarily follow.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,906,260, J. T. Gibbs, Game, D. C., S. D. Calif. (Los Angeles), Doc. 6180–Y, *J. T. Gibbs v. G. Hatherell.* Judgment dismissing complaint and judgment for defendant Nov. 24, 1950.

1,924,897, D. H. Zell, Container, D. C., S. D. N. Y., Doc. 50/280, *Zell Products Corp. et al. v. Lavender Line, Inc., et al.* Stipulation and order of discontinuance (notice Feb. 1, 1951).

1,947,834, Driggs & Faber, Flare signal, D. C., S. D. Calif. (Los Angeles), Doc. 7693–WM, *The Kilgore Mfg. Co. v. Signal Mfg. Co.* Claims 10 and 11 held valid and infringed, claims 1 to 9 and 12 to 23 incl. held invalid; injunction (notice Feb. 1, 1951).

1,997,995, J. R. Bowen, Brassière, D. C., S. D. Calif. (Los Angeles), Doc. 8832–WM, *Elaine of Hollywood Brassiere Co. v. Hollywood-Maxwell Co.* Stipulation and order dismissing complaint and counterclaim Dec. 12, 1950.

2,028,759, C. F. Dinley, Treatment of solvents, filed Jan. 31, 1951, D. C., E. D. Mich. (Detroit), Doc. 10264, *Detrex Corp. v. Manufacturers Processing Co.*

2,057,295, W. H. Engle, Bag machine, filed Feb. 1, 1951, D. C. Minn. (Minneapolis), Doc. 3635, *Shellmar Products Corp. v. Bemis Bro. Bag Co.*

2,126,304, Apel & Apel, Boat, D. C. N. J. (Camden), 136/50, *A. A. Apel v. F. R. Connolly.* Judgment holding patent valid and infringed (notice Jan. 30, 1951).

2,191,939, 2,304,838, W. S. Marx, Jr., Photo-engraving, D. C., S. D. Calif. (Los Angeles), Doc. 8909–WM, *Kemart Corp. v. Printing Arts Research Laboratories, Inc.* Declaratory judgment holding claims 1, 2, 3, 4, 6, 8, 9, 10, 11, and 12 valid and infringed; claims 5 and 7 held not infringed (notice Feb. 1, 1951).

2,288,890. (See Re. 21,977.)

2,304,838. (See 2,191,939.)

2,380,459, F. Niesemann, Gas pressure regulator, D. C., W. D. N. Y. (Buffalo), Doc. 4592, *Rockwell Mfg. Co. v. American District Steam Co., Inc.* Judgment holding patent valid Jan. 22, 1951.

2,395,875, K. K. Kearby, Dehydrogenation hydrocarbons, filed Feb. 1, 1951, D. C. Del., Doc. 1347, *Jasco, Inc. v. Monsanto Chemical Co. et al.*

2,422,471. (See Re. 21,977.)

2,459,764, F. M. Yelser, Purification of native sulfur, D. C., W. D. N. Y. (Buffalo), Doc. 4198, *Chemical Construction Corp. et al. v. Niagara Research Corp.* Judgment for plaintiff Jan. 22, 1951.

2,469,345, Toti & Princevalle, Automatic fowl picker; 2,469,953, E. M. Davis, Defeathering poultry, D. C., S. D. Calif. (Los Angeles), Doc. 1003–ND, *A. J. Toti et al. v. Swift & Co. et al.* Stipulation and order dismissing complaint without prejudice Dec. 29, 1950.

2,469,429, Beam & Beam, Abrasive and polishing head, filed Feb. 2, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. 11490, *H. R. Beam v. G. M. Co. Mfg., Inc.*

2,469,953. (See 2,469,345.)

2,475,430. (See Re. 21,977.)

2,504,666, T. R. Duncan, Melody comb, filed Jan. 5, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12747–WB, *Mattel Creations, Inc., et al. v. Knickerbocker Plastics, Inc., et al.*

2,518,297, M. D. Ercolino, High frequency antenna, filed Jan. 26, 1951, D. C. N. J. (Trenton), Doc. 99/51, *Channell Master Corp. v. Telrex, Inc.*

Re. 21,977, C. Hotchkiss, Electrically operated heater control; Re. 22,068, F. D. Joesting, Fuel burner control system; 2,288,890, F. S. Denison, Temperature control system; Re. 22,760, D. J. Peterson, Burner control system; 2,422,471, B. Cyr, Safety mechanism; 2,475,430, C. G. Krommiller, Safety device for fluid fuel burner, D. C., S. D. Calif. (Los Angeles), Doc. 11787–WM, *Minneapolis-Honeywell Regulator Co.* v. *Robertshaw-Fulton Controls Co.* Stipulation and order of dismissal Dec 26, 1950.

Re. 22,068. (See Re. 21,977.)

Re. 22,760. (See Re. 21,977.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116: act of July 5, 1946

T. M. 35,089, General Electric Co., Certain named machines, electrical apparatus, etc., filed Feb. 2, 1951, D. C. N. J. (Newark), Doc. 123/51, *General Electric Co.* v. *General Electric Corp.*

T. M. 86,025, T. M. 125,958, Bates Mfg. Co., Cotton piece goods, D. C., S. D. Calif. (Los Angeles), Doc. 11705–Y, *Bates Mfg. Co.* v. *Little Champ of Hollywood.* Judgment on stipulation holding trade-marks valid and infringed; injunction Jan. 24, 1951.

T. M. 125,958. (See T. M. 86,025.)

T. M. 403,011, Mandee Fabrics, Inc., Rayon, wool, cotton, etc. by the piece, filed Jan. 31, 1951, D. C., S. D. N. Y., Doc. 64/47, *Mandee Fabrics, Inc.* v. *J. Slifka et al.*

T. M. 523,844, Amurol Products Co., Dentifrices in powder form, filed Jan. 29, 1951, D. C. Va. (Richmond), Doc. 1285, *Amurol Products Co.* v. *Chelco Corp.*

NOTICES

Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

An application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066):

David R. Womack 2,319,837 May 25, 1943
For: Adjustable Nose Splint

Any person who believes that he could be injured by the extension of the above-cited patent may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent the patentee.

JOHN A. MARZALL,
Commissioner.

Adjudicated Patents

(D. C. N. Y.) Lenox Patent No. 2,434,363, for a spool. *Held* invalid. *Lenox* v. *Landers*, 94 F. Supp. 460; 88 USPQ 67.

(D. C. Ala.) Matthews Reissue Patent No. 21,053, for an awning. Claims 3, 4, 5, 9, and 10 *Held* valid and infringed. *National Ventilating Awning Co.* v. *White*, 94 F. Supp. 451.

Disclaimers

2,403,932.—*Walter E. Lawson*, Wilmington, Del. A LOW-FREEZING OXIDANT. Patent dated July 16, 1946. Disclaimer filed Feb. 8, 1951, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,409,341.—*Edward M. Borg*, Seattle, Wash. CENTRIFUGAL EXTRACTOR. Patent dated Oct. 15, 1946. Disclaimer filed Feb. 12, 1951, by the inventor.

Hereby enters this disclaimer to claims 7 and 9 of said patent.

2,427,186.—*Edward M. Borg*, Seattle, Wash. LIQUID EXTRACTION PRESS. Patent dated Sept. 9, 1947. Disclaimer filed Feb. 12, 1951, by the inventor.

Hereby enters this disclaimer to claim 11 of said patent.

2,493,382.—*Paul Hadley Bell*, Noroton Heights, Conn. AUTOMATIC SAMPLE COLLECTOR. Patent dated Jan. 3, 1950. Disclaimer filed Feb. 10, 1951, by the assignee, *American Cyanamid Company.*

Hereby enters this disclaimer to claims 1 and 3 of said patent.

2,508,141.—*Leonard Francis Broadway*, Ickenham, and *Albert Horace Atherton*, Hayes, England. ELECTRON DISCHARGE DEVICE EMPLOYING HOLLOW RESONATOR. Patent dated May 16, 1950. Disclaimer filed Feb. 1, 1951, by the assignee, *Electric & Musical Industries Limited.*

Hereby enters this disclaimer to claims 3 and 14 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,529,202. Antenna Input Circuit for Radio Receivers. Patented Nov. 7, 1950. A radio receiving circuit for increasing the output of a standard receiver circuit. A primary inductance has one end connected to an antenna and its other end grounded. A secondary inductance adjacent to and electromagnetically related with the primary inductance forms part of a tank circuit for controlling the grid of a radio tube. An elongated electrical conductor has one end connected to the antenna side of the primary inductance and its other end is tapped in at the center of the secondary inductance. This connection provides a loop antenna effect and results in an appreciable increase in receiver signal volume. (Owner) Leo S. Tisdale, Sr., Route 4, Meridian, Miss. Group 36—11—61. Reg. No. 40,136.

Pat. 2,530,027. Sadiron Holder. Patented Nov. 14, 1950. Adjustable holder on legs for supporting a sadiron when not in use. Designed for hanging on a wall or similar vertical support. A plate of heat insulated material the shape of an iron has spaced posts around its edge to support a fixed wire frame. A movable wire frame has forked arms with eyelets at the outer ends to engage longitudinal guide rails on opposite sides of the frame. The frame supports the nose of the iron and automatically adjusts itself to irons of various sizes. (Owner) Howard A. Perrigo, 45 Paramount Ave., Hamden 14, Conn. Group 33—49. Reg. No. 40,137.

Pat. 2,531,641. Indicating Extension-Attachment for Collapsible Tubes. Patented Nov. 28, 1950. Transparent tubular detachable attachment for collapsible tubes to indicate the character of the contents of the tube. The device is particularly useful on metal tubes containing artists' colors or the like. The attachment has a longitudinal extrusion passage and a curved outer surface to magnify the material in the passage. The transparent body has a coupling neck and sealing seat at one end to receive cap of tube. Opposite end of body has a coupling recess with sealing seat to receive the neck of the tube. (Owner) Howard A. Perrigo, 45 Paramount Ave., Hamden 14, Conn. Groups 34—92; 39—81; 40. Reg. No. 40,138.

Pat. 2,439,188. Tire Pressure Stabiliser. Patented Apr. 6, 1948. Tire pressure stabiliser is designed to maintain uniform pressure within the tire at all times regardless of temperature variations, load conditions, etc. An annular expansion cylinder is mounted on the supporting web connected to inner edge of tire rim. A spring is provided between a plunger in the cylinder and closure plate for the cylinder. A conduit between the cylinder and rim connects expansion chamber to the tire. The spring permits expansion of the chamber when pressure in the tire exceeds a predetermined amount. As pressure rises, air flows into the expansion chamber, and when the pressure falls the air flows back into the tire. (Owner) Edwin R. Sage, 2429 California St., Huntington Park, Calif. Groups 30—11; 38—31. Reg. No. 40,139.

Pat. 2,507,681. Ratchet Mechanism for Wrenches. Patented May 16, 1950. Reversible ratchet wrench for turning a screw to setting position and then manipulating the handle to firmly set or release the screw. The tubular handle is threaded to a chambered body. A spindle in body is driven in opposite directions by a pawl and ratchet means. The spindle has a holding ratchet wheel, pair of driving ratchet wheels, holding dogs, and rack type driving pawls. Cams pivoted to front of wrench and operated by a finger piece are mounted between the rack pawls and holding dogs to selectively hold one pawl and one dog in operative position while permitting the other pawl and dog to coact with the ratchet wheels. (Owner) Edwin R. Sage, 2429 California St., Huntington Park, Calif. Group 33—52. Reg. No. 40,140.

Pat. 2,525,895. World Time Indicator. Patented Oct. 17, 1950. A device for indicating at any moment the corresponding day and time of any place in the world. A rotatable transparent disc has a world map and various symbols such as International Date Line, meridians, degrees of longitude, and numbered time zones. A stationary base has a time dial and a movable arm to engage a stud on the map disc. An "old day" disc has a slit aligned with midnight on the map disc. A "new day" disc has a slit aligned with the International Date Line. All the discs are attached to a center pivot on the base. To operate, the user rotates the map disc opposite the current time on the dial. He may then read the corresponding standard clock time and day of any place in the world opposite its time zone number. (Owner) Maitland Graves, 143 East 39th St., New York 16, N. Y. Groups 26—91; 39—11; 40. Reg. No. 40,141.

Pat. 2,407,418. Relay Device. Patented Sept. 10, 1946. A polarized armature to control a switch designed to carry a greater amount of current and utilize the secondary contacts for carrying the main body of the current. An elongated bar has notches in its opposite edges connected by a locating recess in one surface. A fulcruming means enters the recess and notches and prevents lateral and longitudinal movement of the armature. Spaced poles are provided adjacent the armature poles to rock the armature from side to side. (Owner) Ludovic Hanff, 349 Parkside Drive, Edgewood 5, R. I. Group 36—11. Reg. No. 40,142.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

These 99 patents relate to the art of welding and cover apparatus for arc welding, electrodes, rods, feeding devices, flux, and other related components. They are broadly grouped in 28—34 (flux); 35—42; 36—19. Reg. Nos. 40,143 through 40,241.

Pat. 1,953,780. Arc Welding. Apr. 3, 1934.

Pat. 1,956,406. Welding. Apr. 24, 1934.

Pat. 1,959,180. Electrode Nozzle. May 15, 1934.

Pat. 1,963,729. Arc Welding. June 19, 1934.

Pat. 1,963,868. Arc Welding. June 19, 1934.

Pat. 1,963,869. Arc Welding. June 19, 1934.

Pat. 1,965,331. Arc Welding Apparatus. July 3, 1934.

Pat. 1,971,822. Welding Apparatus. Aug. 28, 1934.

Pat. 1,975,581. Welding Apparatus. Oct. 2, 1934.

Pat. 1,976,526. Reconditioning of Worn Rail Joints. Oct. 9, 1934.

Pat. 1,976,551. Arc Welding System. Oct. 9, 1934.

Pat. 1,978,316. Arc Welding. Oct. 23, 1934.

Pat. 1,978,317. Arc Welding. Oct. 23, 1934.

Pat. 1,978,318. Arc Welding Flux. Oct. 23, 1934.

Pat. 1,982,371. Arc Welding System. Nov. 27, 1934.

Pat. 1,983,321. Welding Apparatus. Dec. 4, 1934.

Pat. 1,983,343. Welding Apparatus. Dec. 4, 1934.

Pat. 1,992,792. Welding Electrode. Feb. 26, 1935.

Pat. 1,992,812. Work Rotating Apparatus. Feb. 26, 1935.

Pat. 1,998,310. Fabricated Structure. Apr. 16, 1935.

Pat. 1,998,947. Welding Electrode and Process of Making the Same. Apr. 23, 1935.

Pat. 1,999,888. Weldrod. Apr. 30, 1935.

Pat. 2,000,723. Welding System. May 7, 1935.

Pat. 2,010,695. Welding Electrodes. Aug. 6, 1935.

Pat. 2,010,721. Welding Electrode. Aug. 6, 1935.

Pat. 2,010,722. Welding Electrode. Aug. 6, 1935.

Pat. 2,016,899. Welding Electrode. Oct. 8, 1935.

Pat. 2,016,900. Wire Coating Machine. Oct. 8, 1935.

Pat. 2,024,164. Arc Welding Electrode. Dec. 17, 1935.

Pat. 2,024,965. Welding Apparatus. Dec. 17, 1935.

Pat. 2,030,678. Dynamo-Electric Machine. Feb. 11, 1936.

Pat. 2,030,689. Welding Apparatus. Feb. 11, 1936.

Pat. 2,032,260. Wire Feeding Apparatus. Feb. 25, 1936.

Pat. 2,032,937. Remote Control System. Mar. 3, 1936.

Pat. 2,033,816. Arc Welding. Mar. 10, 1936.

Pat. 2,042,504. Electrode Holder. June 2, 1936.

Pat. 2,043,020. Pipe Welding Apparatus. June 2, 1936.

Pat. 2,046,117. Arc Welding Apparatus. June 30, 1936.

Pat. 2,046,966. Arc Welding. July 7, 1936.

Pat. 2,046,981. Flux Coated Electrode and Method of Making the Same. July 7, 1936.

Pat. 2,046,997. Wire Feeding Device. July 7, 1936.

Pat. 2,046,999. Arc Welding. July 7, 1936.

Pat. 2,047,007. Continuous Rail. July 7, 1936.

Pat. 2,052,380. Welding Machine. Aug. 25, 1936.

Pat. 2,052,400. Welding Flux. Aug. 25, 1936.

Pat. 2,053,135. Fabricated Slab. Sept. 1, 1936.

Pat. 2,053,956. Welding Electrode. Sept. 8, 1936.

Pat. 2,055,339. Fabricated Structure. Sept. 22, 1936.

Pat. 2,060,681. Welding Electrode. Nov. 10, 1936.

Pat. 2,060,682. Welding Electrode. Nov. 10, 1936.

Pat. 2,069,623. Arc Welding. Feb. 2, 1937.

Pat. 2,078,161. Gearing. Apr. 20, 1937.

Pat. 2,084,168. Arc Welding Apparatus. June 15, 1937.

Pat. 2,089,688. Electrode Holder. Aug. 10, 1937.

Pat. 2,091,307. Welding Machine. Aug. 31, 1937.

Pat. 2,091,308. Welding Apparatus. Aug. 31, 1937.

Pat. 2,106,692. Gas-Arc Torch. Jan. 25, 1938.

Pat. 2,110,717. Inhibiting Treatment for Ferro-Manganese. Mar. 8, 1938.

Pat. 2,110,719. Dynamo-Electric Machine. Mar. 8, 1938.

Pat. 2,128,799. Electrode Holder. Aug. 30, 1938.

Pat. 2,133,152. Welding With Superimposed High Frequency. Oct. 11, 1938.

Pat. 2,139,522. Welding Fluxes. Dec. 6, 1938.

Pat. 2,141,316. Arc Welding Flux. Dec. 27, 1938.

Pat. 2,141,928. Welding Flux. Dec. 27, 1938.

Pat. 2,141,929. Arc Welding Flux. Dec. 27, 1938.

Pat. 2,141,938. Arc Welding Flux. Dec. 27, 1938.

Pat. 2,148,296. Dynamo-Electric Machine. Feb. 21, 1939.

Pat. 2,149,999. Lightly Coated Manganese Steel Electrode. Mar. 7, 1939.

Pat. 2,150,000. Welding Electrode. Mar. 7, 1939.

Pat. 2,157,885. Joint for Pipes and Other Metal Members. May 9, 1939.

Pat. 2,170,672. Apparatus for Abrading Coatings From Rods. Aug. 22, 1939.

Pat. 2,175,026. Fusion Welding. Oct. 3, 1939.

Pat. 2,184,335. Arc Welding. Dec. 26, 1939.

Pat. 2,198,472. Oscillator Mechanism. Apr. 23, 1940.

Pat. 2,209,829. Arc Welding Electrode. July 30, 1940.

Pat. 2,210,777. Arc Welding Electrode. Aug. 6, 1940.

Pat. 2,210,786. Automatic Arc Welding. Aug. 6, 1940.

Pat. 2,216,564. Arc Welding. Oct. 1, 1940.

Pat. 2,223,230. Arc Welding Flux. Nov. 26, 1940.

Pat. 2,249,437. Arc Welding System. July 15, 1941.

Pat. 2,276,825. Adjustable Nozzle Extension for Arc Welding Heads. Mar. 17, 1942.

Pat. 2,280,551. Welding Apparatus. Apr. 21, 1942.

Pat. 2,280,627. Automatic Arc Welding Apparatus. Apr. 21, 1942.

Pat. 2,280,770. Automatic Arc Welding Machine. Apr. 21, 1942.

Pat. 2,286,028. Welding Apparatus. June 9, 1942.

Pat. 2,289,979. Automatic Arc Welding System. July 14, 1942.

Pat. 2,294,312. Automatic Arc Welding Apparatus and Control Therefor. Aug. 25, 1942.

Pat. 2,302,420. Welding Machine. Nov. 17, 1942.

Pat. 2,307,553. Welding Apparatus. Jan. 5, 1943.

Pat. 2,308,027. Conveyer System. Jan. 12, 1943.

Pat. 2,356,802. Arc Welding Apparatus. Aug. 29, 1944.

Pat. 2,358,144. Welding Apparatus. Sept. 12, 1944.

Pat. 2,360,743. Arc Welding Apparatus. Oct. 17, 1944.

Pat. 2,361,896. Welding Apparatus. Oct. 31, 1944.

Pat. 2,379,774. Control Apparatus. July 3, 1945.

Pat. 2,411,465. Gas-Arc Hand Torch. Nov. 19, 1946.

Pat. 2,444,798. Electrode Adapter. July 6, 1948.

Pat. 2,473,258. Gas-Arc Torch. June 14, 1949.

Pat. 2,474,023. Method of Gas-Shielded Alternating Current Arc Welding. June 21, 1949.

Dedicated Patent

The General Electric Company dedicates the following patent to the people of the United States of America.

Pat. 2,476,671. Electric Projection Lamp. Patented July 19, 1949. Electric lamp for picture projection apparatus permits the circulation of cooling air longitudinally through lamp housing in intimate contact with full length of light bulb inside housing. An outer metal shell secured to lower end of bulb is insulated from spaced contacts in bottom of bulb. A ring extending around the shell in spaced relation thereto has inwardly extending arms secured to shell. The bulb in inverted position is inserted downwardly into the housing so that the ring will seat on an annular shoulder inside housing. Hinged cover of housing is vented and provided with spring contacts to engage contacts of bulb when cover is closed. Groups 34—81; 39—12.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 13, 1951

[VOL. 644. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 507,347. H. B. Sherman Manufacturing Company, Battle Creek, Mich. Filed Aug. 13, 1946.

WATER BALL BEARING MASTER

The words "Water," "Ball Bearing," and the representation of balls are disclaimed.

For Plumbers' Brass Goods—Namely, Shower Fixtures and Faucets.

Claims use since May 28, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 508,712. Paul C. Calissi, doing business as Calpa Products Company, Philadelphia, Pa. Filed Sept. 9, 1946.

"DURABAKE"

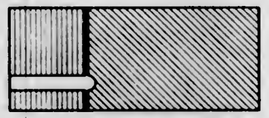
For Portable Electric Floor and Table Lamps.

Claims use since Sept. 3, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 525,866. Keuffel & Esser Company, Hoboken, N. J. Filed July 3, 1947.

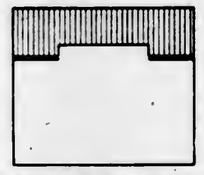


The drawing is lined for red and green.

For Photo-Sensitive Reproduction Materials on Paper, Cloth and Other Bases Since January 1946—Namely, Blueprint Papers and Cloths Since April 1946, Brown Print Papers and Cloths Since May 1946, Diazo Papers and Cloths Since January 1946, Silver Emulsion Papers and Cloths Since July 1946; Draftsmen's Tools Since February 1945—Namely, Drawing Instruments Since February 1945, Triangles, Curves, Protractors, T-Squares and Straightedges Since April 1945, Scales Since April 1945, Lettering Pens Since January 1947, Lettering Sets Since September 1946; Slide Rules and Mathematical Calculating Instruments Since November 1944, Surveying Instruments Comprising Levels, Transits, Theodolites and Alidades Since June 1947, Measuring Tapes Since September 1944, Band Chains, Pocket Tapes, Tape Rules, Woven Tapes and Reels for Tapes or Band Chains Since September 1944, Plumb Bobs Since September 1944, Magnifying Glasses Since November 1944, and Drawing Boards and Tables Since June 1947.

Claims use since date following particular items.

Ser. No. 525,875. Keuffel & Esser Company, Hoboken, N. J. Filed July 3, 1947.



For Drawing Instruments Comprising Dividers, Compasses, Bow Pens, and Ruling Pens Since April 1947; and Light Sensitised Reproduction Papers and Cloths, Protractors, Pantographs, Drafting Machines, Draftsmen's Tools—Namely, Scales, Triangles, Curves, T-Squares, and Drawing Boards; Draftsmen's Lettering Devices, Folding Rules, Mathematical Calculating Instruments and Slide Rules, Surveying Instruments Comprising Levels, Transits, Theodolites and Alidades, Hand Levels, Surveying Compasses, Leveling Rods, Range Poles, Plumb Bobs and Measuring Tapes All since June 1947.

Claims use since date following particular items.

Ser. No. 526,250. Keuffel & Esser Company, Hoboken, N. J. Filed July 4, 1947.

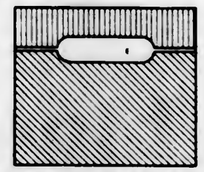


The drawing is lined for red and green.

For Lettering Pens and Band Chains (Also Called Chain Measuring Tapes).

Claims use since September 1944.

Ser. No. 526,251. Keuffel & Esser Company, Hoboken, N. J. Filed July 4, 1947.



The drawing is lined for red and green.

For Light-Sensitive Reproduction Papers and Cloths, Blueprint Papers and Cloths, Brown Print Papers and Cloths, Diazo Papers and Cloth, Scales, Slide Rules and Mathematical Calculating Instruments, and Plumb Bobs.

Claims use since September 1944.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 548,999. H. H. Robertson Company, Pittsburgh, Pa. Filed Feb. 6, 1948. (Sec. 2f.)

ROBERTSON

For Asphalts and Compositions Embodying Asphalts and Like Bituminous Material for Use in the Production of Weatherproofing Coating Material for Protected Metal Sheets for Roofing and Siding Purposes Sold as a Raw or Partly Prepared Material, and Waxes and Compositions Embodying Waxes Sold as a Raw or Partly Prepared Material for the Production of Saturants, Sealing Compounds, and for Finishing Coatings in the Manufacture of Specialty Wires and Cables.

Claims use since July 1, 1919.

Ser. No. 557,484. Whittaker, Clark & Daniels, Inc., New York, N. Y. Filed May 20, 1948. (Sec. 2f.)

WHITTAKER

The drawing is lined to indicate the color red.

For Natural Minerals Having a General Use in the Industrial Arts—Namely, Aluminum Silicate, Aluminum Stearate, Asbestos, Wet Ground Natural Calcium Carbonate, Barium Carbonate, Barium Sulfate, Barium Stearate, Barytes, Bentonite, Lamp Black, Mineral and Oxide Blacks, Blanc Fixe, Calcite, Colloidal Clays, Natural Earth Colors, Crocus Martis, Diatomaceous Earth, Feldspar, Fibrous Talc, Filtering Earths, Powdered Flint, Fuller's Earth, Powdered Graphite, Ground Glass, Powdered Gypsum, Hydrated Lime, Infusorial Earth, Iron Oxide, Kaolin, Kieselguhr, Lesamite, Lime, Marble, Ground Mica, Ochre, Paris White, Plaster Paris, Pumice Stone, Pyrophyllite, Quartz, Red Oxide, Rottenstone, Sericite, Siennas, Silex, Silica, Powdered Slate, Soapstone, Steatite, Terra Alba, Powdered Tripoli, Burnt Umbers, Powdered Venetian Red, Vienna Lime, Powdered Volcanic Ash, Yellow Oxide.

Claims use since 1919.

Ser. No. 560,605. The Delaware, Lackawanna & Western Coal Company, New York, N. Y. Filed July 2, 1948. (Sec. 2f.)

'blue coal'

The word "Coal" is disclaimed.

For Coal.

Claims use since Sept. 22, 1927.

Ser. No. 579,247. Yorkville Paper Co., Inc., New York, N. Y. Filed May 20, 1949.

SAFELON

For Synthetic Plastic Sheet Material From Which Bags for Protecting Frozen Foods Are Made.

Claims use since Jan. 17, 1949.

Ser. No. 587,285. Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Filed Nov. 3, 1949.

CONSOL

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 116,944, 236,267, 296,110, 336,682, 366,575, 397,803, 399,145, 399,146, and 401,696.

For Coal.

Claims use since Dec. 20, 1948.

Ser. No. 589,867. Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Filed Dec. 23, 1949.

CONSOL

The drawing is lined for the color red. Applicant claims ownership of Registrations Nos. 116,944, 236,267, and others.

For Coal.

Claims use since Nov. 23, 1949.

Ser. No. 596,244. Standard Seed Company, Des Moines, Iowa. Filed Apr. 24, 1950.

BLUE SEAL

For Seed—Namely, Oats, Barley, Wheat, Rye, Speltz, Alfalfa, Clover, and Hay.

Claims use since Jan. 15, 1950.

Ser. No. 596,689. Royal Mining Co., Inc., Riddlesburg, Pa. Filed May 1, 1950.

REGAL

For Coal.

Claims use since Jan. 4, 1950.

Ser. No. 598,333. Thomas Burton Stribling, Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Filed May 29, 1950.

GROWING QUALITY

The words "Growing" and "Quality" are disclaimed.

For Nursery Stock—Namely, Seeds and Plants.

Claims use since Jan. 1, 1947.

CLASS 2

RECEPTACLES

Ser. No. 558,592. Protex Products Company, Inc., Jersey City, N. J., assignee of Protex Products Company. Filed June 5, 1948..

Openmatic

For Garment Bags of Plastic Film.

Claims use since March 1939.

Ser. No. 565,365. Peterson Enterprises Inc., New York, N. Y. Filed Sept. 17, 1948.

The Hustler

For Portable Metal Vessel Having Pouring Spigot for Dispensing Beverages.

Claims use since Aug. 12, 1948.

Ser. No. 567,649. Rheem Manufacturing Company, San Francisco, Calif. Filed Oct. 26, 1948. (Sec. 2f as to the word "Rheem.")

Rheem R

Applicant claims ownership of Registration No. 264,137.

For Tanks—Namely, Pneumatic Tanks and Storage Tanks.

Claims use since Mar. 1, 1930.

Ser. No. 574,601. Universal Vellcot Co., Leominster, Mass. Filed Feb. 26, 1949.

Vellexware

For Molded Plastic Tableware—Namely, Dishes, Bowls, Coasters, and Stemmed Cups and Goblets.

Claims use since Jan. 10, 1949.

Ser. No. 595,333. John S. Schmolze, doing business under the name J. S. Schmolze Company, Ridgewood, N. J. Filed Apr. 6, 1950.

Softi-Bag

The word "Bag" is disclaimed. The drawing is lined to agree with the specimens filed and is not to indicate color.

For Netted Laundry Bags.

Claims use since Mar. 22, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 545,218. Baltimore Paint & Color Works, Baltimore, Md. Filed Dec. 23, 1947.

SENIOR

For Automobile Finishes—Namely, Paint Enamels, Shellac, Polishes, Paints, Tire Dressings, Tire Coatings and Top Dressings in the Nature of a Paint; and Liquid Varnish Removers.

Claims use since 1929.

Ser. No. 547,604. Baltimore Paint & Color Works, doing business as Coronet Products Company, Baltimore, Md. Filed Jan. 21, 1948.

Coronet

The stippling in the crown feature of the mark is for shading only.

For Automobile Finishes—Namely, Paint Enamels, Polishes, Paints, Tire Dressings in the Nature of a Paint; and Liquid Varnish Removers.

Claims use since January 1940.

Ser. No. 577,477. The Flexan Corporation, Chicago, Ill. Filed Apr. 21, 1949.

FLEXAN

For Flexible Sanding Discs for Attachment to Machine Sanding Devices.

Claims use since Feb. 28, 1949.

Ser. No. 591,385. M. R. Treptow, Plainfield, N. J. Filed Jan. 24, 1950.

TREP'S

For Silver Polish.

Claims use since July 7, 1948.

Ser. No. 592,835. J. C. Paul & Co., Chicago, Ill. Filed Feb. 21, 1950.

BURNISHINE

For Metal Polish.

Claims use since Oct. 1, 1886.

CLASS 5

ADHESIVES

Ser. No. 554,908. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948.

MONSANTO

For Adhesive Cements.

Claims use since February 1945.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 562,421. United States Rubber Company, New York, N. Y. Filed July 28, 1948.

PARAVAR

Applicant claims ownership of Registration No. 283,326.

For Synthetic Resinous Plastic Solutions for Coating and Impregnating Paper or the Like.

Claims use since Dec. 5, 1947.

Ser. No. 569,356. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Nov. 24, 1948.

ALATHON

For Synthetic Thermoplastic Resins and Compounds and Mixtures Containing Synthetic Resins, for Generalized Use in the Industrial Arts.

Claims use since Nov. 1, 1948.

Ser. No. 573,817. Universal Oil Products Company, Chicago, Ill. Filed Feb. 12, 1949.

UOP

For Organic Compounds Used as Inhibitors To Prevent or Retard Deterioration Due Primarily to Oxidation Reactions, of Petroleum Products, Animal Fats and Oils, Vegetable Fats and Oils, and Feedstuffs.

Claims use since May 27, 1948.

Ser. No. 577,677. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Apr. 25, 1949.

3M

Applicant claims ownership of Registrations Nos. 396,917, 502,984, 409,726, 405,413, 405,173, 347,416, 221,013, and 56,397.

For Color Pigments Having General Use in Industrial Arts.

Claims use since September 1939.

Ser. No. 578,709. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Household and Institutional Bleaches, Insecticides, Disinfectants, Germicides, and Deodorants; Laundry Aids—Namely, Starches and Bluing; and Water Softeners.

Claims use since March 1944.

Ser. No. 579,828. The Nutro Corporation, Englewood, N. J. Filed June 1, 1949.

NUTRO

For Anti-Freeze Solution.

Claims use since Mar. 10, 1948.

Ser. No. 580,439. Stauffer Chemical Company, San Francisco, Calif. Filed June 14, 1949.

TRI "D"

For Insecticide.

Claims use since May 14, 1948.

Ser. No. 580,586. Felton Chemical Company, Inc., Brooklyn, N. Y. Filed June 16, 1949.

PIONEER BRAND

The word "Brand" is disclaimed.

For Essential Oils.

Claims use since Mar. 9, 1949.

Ser. No. 581,206. Pacific Coast Borax Company, Los Angeles, Calif., assignor to Borax Consolidated, Limited, London, England, a corporation of Great Britain and Northern Ireland. Filed June 28, 1949.

POLYBOR CHLORATE

The word "Chlorate" is disclaimed.

For Weed Control Preparation Consisting of a Mixture of Borax, Sodium Pentaborate, Sodium Chlorate, and a Minor Percentage of Inert Ingredients.

Claims use since Oct. 27, 1948.

Ser. No. 582,329. UCO Food Corporation, Newark, N. J. Filed July 21, 1949.

UCO

Applicant claims ownership of Registrations Nos. 233,426 and 254,625.

For Germicide Disinfectant Bleach for Laundry, Laundry Bluing, and Starch.

Claims use since May 5, 1927.

Ser. No. 582,543. Quaker Chemical Products Corporation, Conshohocken, Pa. Filed July 26, 1949.

HYGIENIZE

Applicant claims ownership of Registration No. 393,343.

For Quaternary Ammonium Compounds.

Claims use since July 20, 1949.

Ser. No. 583,379. Allen Chemicals Corporation, Chicago, Ill. Filed Aug. 12, 1949.

ALDESAN

For Deodorants and Disinfectants for Household Use.

Claims use since June 20, 1949.

Ser. No. 587,417. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Nov. 5, 1949.

SOURFLO

Applicant claims ownership of Registration No. 504,985.

For Laundry Sour.

Claims use since Nov. 10, 1947.

Ser. No. 590,323. Plant Protection Limited, Yalding, England. Filed Jan. 4, 1950.

MERGAMMA

Applicant claims ownership of British Registrations Nos. 664861/2, dated Dec. 10, 1947.

For Seed Dressings.

Ser. No. 590,698. Walter L. Phillips, doing business as PT-X5 Compound Co., Columbus, Nebr. Filed Jan. 11, 1950.

PT-X5

For Chemical Compound for Preventing Spontaneous Combustion and Moisture Spoilage in Hays and Grains.

Claims use since Jan. 15, 1947.

Ser. No. 591,034. Julius Hyman & Company, Denver, Colo. Filed Jan. 18, 1950.

COMPOUND 118

The word "Compound" is disclaimed.
For Insecticides.
Claims use since Apr. 27, 1949.

Ser. No. 594,181. The Lewy Chemical Company, New York, N. Y. Filed Mar. 4, 1950.

CLOTHES SAVERS

Applicant claims ownership of Registration No. 259,663.
For Insecticides.
Claims use since Nov. 8, 1927.

Ser. No. 595,317. A. J. Gilleo, Detroit, Mich. Filed Apr. 6, 1950.

HYDROPEN

For Wetting Agent and Fire Extinguishing Powder.
Claims use since Mar. 9, 1950.

Ser. No. 595,442. Cecil F. Backus, doing business under name of ZEZ Adhesives Company, Wilmington, Del. Filed Apr. 8, 1950.

ZEZ

For Self-Adherent Durable Plastic Repair Compositions, Particularly for Shoe Soles and Heels.
Claims use since Mar. 9, 1949.

Ser. No. 597,008. Niagara Alkali Company, Niagara Falls, N. Y. Filed May 6, 1950.

Nialk

Applicant claims ownership of Registrations Nos. 400,175 and 388,065.
For Caustic Soda, Caustic Potash, Carbonate of Potash, Paradichlorobensene, Trichlorethylene, and Tetrachloro Phthalic Anhydride.
Claims use since Sept. 11, 1942.

Ser. No. 597,160. Nuodex Products Co., Inc., Elizabeth, N. J. Filed May 9, 1950.

CELU-SAN

For Economic Poisons Wood Preservative.
Claims use since Mar. 23, 1950.

Ser. No. 597,304. Thompson-Hayward Chemical Company, Kansas City, Mo. Filed May 11, 1950.

LINDEX

For Insecticide.
Claims use since Feb. 9, 1950.

Ser. No. 597,459. John Powell & Co., Inc., New York, N. Y. Filed May 15, 1950.

PYRIN

For Insecticide Concentrate.
Claims use since June 9, 1938.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 598,641. The Fair, Chicago, Ill. Filed June 6, 1950.

Majestic

Applicant claims ownership of Registration No. 403,112.
For Smokers' Pipes.
Claims use since Dec. 1, 1913.

Ser. No. 600,490. Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Filed July 11, 1950.

American Beauty

Applicant claims ownership of Registration No. 507,007.
For Cigarette Lighters and Cigarette Lighters in Combination With Cigarette Cases.
Claims use since Feb. 27, 1950.

Ser. No. 601,587. American Safety Razor Corporation, Brooklyn, N. Y. Filed Aug. 2, 1950.

Ascot

For Cigarette Lighters.
Claims use since June 23, 1950.

CLASS 10

FERTILIZERS

Ser. No. 595,712. East Bay Fisheries, San Francisco, Calif. Filed Apr. 14, 1950.

HURRY-UP PLANT FUEL

The word "Plant" is disclaimed.
For Condensed Fish Solubles Used as a Fertilizer.
Claims use since Mar. 28, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 581,364. Sears, Roebuck and Co., Chicago, Ill. Filed June 30, 1949.

TOWER

For Carbon Paper and Typewriter Ribbons.
Claims use since July 15, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 556,774. The Philip Carey Manufacturing Company, Cincinnati, Ohio. Filed May 11, 1948. (Sec. 2f.)

Carey

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
For Roofing Composed in Whole or in Part of Felted Materials, Wool Felt, Roofing-Paper, Woven Materials, Bituminous Materials, Compound of Bituminous and Other Materials or a Combination in Whole or in Part of Any Two or More of Said Materials, Prepared Rolled Roofing, Prepared Roofing-Shingles, Prepared Roofing-Strip Shingles, Sheathing-Papers; Sound-Deadening Materials—Namely, Asbestos, Magnesia, Rag Felt, Hair Felt, Cork, Fiber, or a Composition of Two or More of Said Materials; Heat and Cold Insulating Materials—Namely, Asbestos, Magnesia, Rag Felt, Hair Felt, Cork, Fiber, or a Composition of Two or More of Said Materials; Waterproofing Materials and Damp-Proofing Materials—Namely, Saturated Papers, Saturated Felts, Saturated Woven Materials, Composition Boards of Saturated Felt and Bituminous Materials; Saturated Waterproof Felts, Expansion Street-Paving Joint, Expansion-Joint for Cement Work; Street-Dressing Containing Tar, Asphalt, Crude Oil, or Oil-Residuum; Fireproofing Cements, Stove-Lining Cements.
Claims use since Feb. 14, 1888.

Ser. No. 572,078. American Brake Shoe Company, New York, N. Y. Filed Jan. 13, 1949.

Applicant claims ownership of Registrations Nos. 404,752, 404,753, 404,754, 404,755, 409,919, 410,556, and 434,630.
For Plastic Tiles and Plastic Slabs, for Use as Floor Coverings, Wall Coverings, Stair Treads, and So Forth.
Claims use since Feb. 18, 1947.

Ser. No. 576,261. Higgins Resources, Inc., New Orleans, La. Filed Mar. 29, 1949.

Thermo-Seal

The word "Seal" is disclaimed.
For Sealing Compound Composed of a Mixture of White Portland Cement, Fine Silica Powder, and Titanium Dioxide.
Claims use since Nov. 17, 1947.

Ser. No. 579,207. Perlite Incorporated, Salt Lake City, Utah. Filed May 20, 1949.

EX-O-LITE

The word "Lite" is disclaimed.
For Expanded Perlite Used as a Plaster Aggregate and a Loose Fill Insulation.
Claims use since Jan. 1, 1941.

Ser. No. 580,422. Leroy Olson Company, San Francisco, Calif. Filed June 14, 1949.

TERRA-FLOOR

The word "Floor" is disclaimed.
For Composition of Magnesium Oxychloride Cement Terrazzo.
Claims use since July 24, 1947.

Ser. No. 582,728. Clyde Martin De Hart, doing business under the name De Hart Sheet Metal and Roofing Co., Chickasha, Okla. Filed July 30, 1949. (Sec. 2f.)

DeHart

The drawing is lined to indicate red.
For Shingles Made of Asphalt, Asbestos, and Composition Materials; Clay Tile, and Felt, Used as Roofing Material; Gutters; Downspouts; Metal Ceiling; Cornice and Skylights.
Claims use since 1937 as shown; and since September 1920 as to "D" and heart shaped design.

Ser. No. 583,219. Jean Serruys, Paris, France. Filed Aug. 9, 1949.

OMNILIT

Applicant claims ownership of French Registration No. 389,485, dated Nov. 12, 1948.

For Side Wall Panels Formed From Agglomerates of Wood and Concrete.

Ser. No. 583,461. American Art Metals Company, Atlanta, Ga. Filed Aug. 15, 1949.

AMARLITE

For Metallic Entrance Frames and Metallic Building Trim.

Claims use since July 5, 1949.

Ser. No. 589,362. Alaska Pine Sales Limited, Vancouver, British Columbia, Canada. Filed Dec. 15, 1949.

A-A

For Unfinished and Finished Lumber and Millwork.

Claims use since September 1939 in Canada; and in commerce between foreign nations and the United States which may lawfully be regulated by Congress since July 1941.

Ser. No. 589,363. Alaska Pine Sales Limited, Vancouver, British Columbia, Canada. Filed Dec. 15, 1949.

A-P

For Unfinished and Finished Lumber and Millwork.

First used in September 1939 in Canada; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress in July 1941.

Ser. No. 589,364. Alaska Pine Sales Limited, Vancouver, British Columbia, Canada. Filed Dec. 15, 1949.

ALAP

For Unfinished and Finished Lumber and Millwork.

Claims use since September 1939 in Canada; and in commerce between foreign nations and the United States which may lawfully be regulated by Congress since July 1941.

Ser. No. 591,980. Electro Refractories and Alloys Corporation, Buffalo, N. Y. Filed Feb. 4, 1950.

MAGNOSPALL

For Refractory Materials—Namely, Cement, Furnace Linings, Bricks, Blocks, and Tile.

Claims use since June 15, 1928.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 544,026. The Autoyre Company, Incorporated, Oakville, Conn. Filed Dec. 11, 1947. (Sec. 2f.)

All Purpose

For Kitchen and Bathroom Accessories—Namely, Utility Hooks and Racks, Namely, Towel Racks, Tie Racks, and Drying Racks.

Claims use since Jan. 1, 1940.

Ser. No. 548,900. All-Steel Equipment Inc., Aurora, Ill. Filed Feb. 6, 1948.

ASE

Applicant claims ownership of Registrations Nos. 296,469, 235,607, 259,100, and 297,644.

For Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps.

Claims use since January 1931 as shown; and since 1913 as to the letters "ASE."

Ser. No. 573,458. The Plas-Tex Corporation, Los Angeles, Calif. Filed Feb. 7, 1949.

PLAS-TEX

For Sink Strainers, Colander Funnels, Egg Separators, Funnels, Molds for Use as Gelatin Food Molds.

Claims use since Oct. 10, 1942.

Ser. No. 578,632. S K F Industries, Inc., Philadelphia, Pa. Filed May 11, 1949.

ATLAS

Applicant claims ownership of Registrations Nos. 375,061 and 375,062.

For Balls Used in Valves.

Claims use since July 1, 1910.

Ser. No. 578,926. The Formica Company, Cincinnati, Ohio. Filed May 16, 1949. CERTIFICATION MARK.

Vanitory

For Combination Dressing Table-Lavatory Unit Designed To Be Permanently Connected to Water and Waste Pipes.

Claims use since Jan. 12, 1949.

Ser. No. 598,324. The Schaible Company, Cincinnati, Ohio. Filed May 29, 1950.

FED-STAN

For Gate Valves, Used in Connection With Steam, Water, Oil, Air, and Gas Service.

Claims use since May 1, 1939.

Ser. No. 598,698. Apex Products Corporation, New York, N. Y. Filed June 7, 1950.

KEY-TROLITE by APEX

The word "Key" is disclaimed.

For Key Holders, Key Rings, and Key Chains.

Claims use since Feb. 20, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 538,486. Bodie-Hoover Petroleum Corporation, Chicago, Ill. Filed Oct. 21, 1947. (Sec. 2f.)

PENNSTATE

Applicant claims ownership of Registration No. 240,320.

For Lubricating Oils.

Claims use since Oct. 25, 1926.

Ser. No. 575,982. Gem Products, Inc., Milwaukee, Wis. Filed Mar. 24, 1949.

KLEEN-O

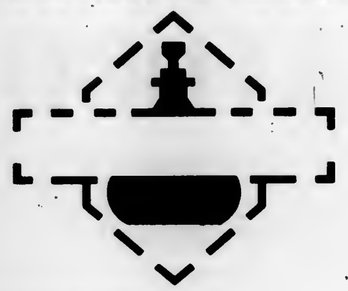
The word "Kleen" is disclaimed.

Applicant claims ownership of Registration No. 152,785.

For Lubricating Oils, Particularly Penetrating Oil and Machine Oil.

Claims use since Mar. 29, 1939.

Ser. No. 585,297. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Sept. 24, 1949.



For Lubricating Oils and Greases.

Claims use since Oct. 13, 1943.

Ser. No. 585,298. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Sept. 24, 1949.

ORONITE

For Lubricating Oils and Greases.

Claims use since July 1921.

Ser. No. 585,299. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Filed Sept. 24, 1949.



For Lubricating Oils and Greases.

Claims use since Oct. 13, 1943.

Ser. No. 587,363. Standard Oil Company, Whiting, Ind., and Chicago, Ill. Filed Nov. 4, 1949.

TORCH

Applicant claims ownership of Registrations Nos. 260,937, 223,708, and others.

For Petroleum and Products of Petroleum With or Without Admixtures of Other Substances for Lubricating, Greasing, Heating, Burning, and Rust Preventing; Candles and Paraffine Wax.

Claims use since August 1923.

Ser. No. 592,454. The American Oil Company, Baltimore, Md. Filed Feb. 15, 1950.

AIRCO

For Industrial Oil for Use in Air Compressors and Circulating Systems of the Type Used in the Lubrication of Large Compressors, Steam Engines and the Like Where External Bearings Are Lubricated by Continuous or Circulating Systems and for Use as a General Bearing Lubricant.
Claims use since April 1938.

Ser. No. 597,453. A. D. Odell, doing business as A. D. Odell Oil Company, Abilene, Tex. Filed May 15, 1950.



The word "Premium" is disclaimed.
For Lubricating Oils and Greases.
Claims use since May 1, 1950.

Ser. No. 599,112. Pennsylvania Petroleum Products Co., Philadelphia, Pa. Filed June 14, 1950.

QUAKER CITY

Applicant claims ownership of Registration No. 231,000.
For Motor Lubricating Oils and Motor Fuel Oils.
Claims use since June 19, 1919.

Ser. No. 599,813. Brown-Marco, Inc., New York, N. Y. Filed June 27, 1950.

ACTIVITE

For Fuel Oil Solvent To Be Added to Fuel Oil.
Claims use since Apr. 15, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 545,218. Baltimore Paint & Color Works, Baltimore, Md. Filed Dec. 23, 1947. (Classified in Class 4.)

SENIOR

For Automobile Finishes—Namely, Paint Enamels, Shellac, Polishes, Paints, Tire Dressings, Tire Coatings and Top Dressings in the Nature of a Paint; and Liquid Varnish Removers.
Claims use since 1929.

Ser. No. 547,604. Baltimore Paint & Color Works, doing business as Coronet Products Company, Baltimore, Md. Filed Jan. 21, 1948. (Classified in Class 4.)



The stippling in the crown feature of the mark is for shading only.
For Automobile Finishes—Namely, Paint Enamels, Polishes, Paints, Tire Dressings in the Nature of a Paint: and Liquid Varnish Removers.
Claims use since January 1940.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 571,807. Kingsland-Ferguson, Inc., Brooklyn, N. Y. Filed Jan. 7, 1949.

XANTHINUX

For Tonic for the Appetite and Nervous System.
Claims use since Dec. 14, 1948.

Ser. No. 573,298. Rocco Anselliotti, Torrington, Conn. Filed Feb. 4, 1949.



The notation "R. Anselliotti" on the drawing is a replica of applicant's signature.
For Medicated Liquid or Cream Hair Conditioner for Dull or Lifeless Hair, Medicated Skin Aid Cream for Treatment of Dry Skin, Dandruff and Scalp Irritations, Foot Ailments, Athlete's Foot, Sun Burn, and Other Skin Disorders.
Claims use since Nov. 25, 1948.

Ser. No. 573,912. Drel, Incorporated, Cleveland, Ohio. Filed Feb. 15, 1949.

COSMETAR

For Pharmaceutical Preparation Useful in the Treatment of Itching and Irritation in Certain Types of Skin Sensitivities Including the More Common Types of Industrial Dermatosis.
Claims use since Oct. 22, 1948.

Ser. No. 575,397. Eden Laboratories, Inc., Cranston, R. I. Filed Mar. 14, 1949.



DENAL

The mark consists of a monogram comprising the letters "E-L-I," and the word "Denal."
For Medicated Ointments Producing a Local Anesthetic Action When Applied to Mucous Membranes, and Used Primarily for the Relief of Agony on the Part of Infants During Their Teething Period.
Claims use since Nov. 15, 1948.

Ser. No. 576,043. Colonial Chemical Co. Inc., Seattle, Wash. Filed Mar. 25, 1949.

R-40

For Medicated Water-Miscible Ointment Externally Applied for Relief of Pain.
Claims use since Aug. 1, 1948.

Ser. No. 576,823. The E. L. Patch Company, Stoneham, Mass. Filed Apr. 8, 1949.

SESTRAMIN-10 M

The figure and letter "10 M" are disclaimed.
For Estrogenic Compound Tablet, With Vitamins.
Claims use since Feb. 1, 1949.

Ser. No. 577,912. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Apr. 28, 1949.

PROKEDONNA

Applicant claims ownership of Registration No. 521,601.
For Antispasmodic-Antiallergenic Preparation.
Claims use since Apr. 22, 1949.

Ser. No. 578,261. Dewberry Drug Company, Birmingham, Ala. Filed May 5, 1949.

AMPHORIN

For Antiseptic Mouth Wash.
Claims use since Apr. 15, 1949.

Ser. No. 578,415. Sanborn Company, Cambridge, Mass. Filed May 7, 1949.

REDUX

For Paste for Application to the Skin at the Point of Application Thereto of an Electrode Such as That of an Electrocardiograph to Facilitate Conduction.
Claims use since September 1934.

Ser. No. 580,626. Schenley Laboratories, Inc., New York, N. Y. Filed June 16, 1949.

VASCUTUM

For Tablets Used as a Vascular Protective and Lipotropic Agent.
Claims use since Apr. 19, 1949.

Ser. No. 581,804. Transit Grain Co., doing business as Feed Products, Fort Worth, Tex. Filed July 12, 1949.



The phrase "Vit-A" is disclaimed.
For Feed Supplement Containing Vitamins and Minerals for Addition to Stock and Poultry Feed.
Claims use since Jan. 9, 1941.

Ser. No. 585,971. Carpenter Chemical Company, Detroit, Mich. Filed Sept. 2, 1949.



The words "Can't Be Beat" are disclaimed. Applicant claims ownership of Registrations Nos. 37,220 and 261,631.
For Liquid Substitute for Court Plaster.
Claims use since July 16, 1901.

Ser. No. 589,159. Kinney and Company, Columbus, Ind. Filed Dec. 10, 1949.

COMETHITOL

For Lipotropic Dietary Supplement.
Claims use since Nov. 14, 1949.

Ser. No. 591,452. Brothers Pharmacal Co., Orange, N. J. Filed Jan. 26, 1950.

Vi-Fluoro

For Multi-Vitamins With Sodium Fluoride.
Claims use since Jan. 7, 1949.

Ser. No. 593,932. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed Mar. 14, 1950.

TERRACOTE

For Coated Antibiotic Preparation.
Claims use since Mar. 3, 1950.

Ser. No. 594,353. Baxter Laboratories, Inc., Morton Grove, Ill. Filed Mar. 22, 1950.

TRAVENOSE

For Fluids for Parenteral Use—Namely, Water for Injection; Dextrose in Water; Dextrose and Sodium Chloride in Water; Sodium Chloride in Water; Dextrose and Vitamins in Water; Dextrose, Sodium Chloride, and Vitamins in Water; Dextrose, Alcohol, Sodium Chloride, and Vitamins in Water; Dextrose, Alcohol, and Vitamins in Water; Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Dextrose, Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Sodium r-Lactate in Water; Sodium r-Lactate, Sodium Chloride, Potassium Chloride, and Calcium Chloride in Water; Sodium r-Lactate, Sodium Chloride, Potassium Chloride, Calcium Chloride, and Dextrose in Water; Dextrose, Alcohol, and Sodium Chloride in Water; Dextrose and Alcohol in Water; Hydrolyzed Protein in Water; Dextrose and Protein Hydrolysate in Water; Alcohol, Dextrose, and Protein Hydrolysate in Water; Acacia and Sodium Chloride in Water; Invert Sugar in Water; Histamine Diphosphate and Potassium Chloride in Water; Histamine Diphosphate and Sodium Chloride in Water; Sodium Sulfate in Water; and Medical Preparation for Topical Application Comprising Pectin Jelly.
Claims use since Mar. 9, 1950.

CLASS 19

VEHICLES

Ser. No. 558,229. Maremont Automotive Products, Inc., Chicago, Ill. Filed June 1, 1948. (Sec. 2f as to "Maremont.")

MAREMONT

The drawing is lined for the colors red and yellow.
For Vehicle Springs and Parts Thereof—Namely, Main Leaves, Helper Springs, Axle U Bolts, Tempered Leaves for Spring Repairs, Extra Leaf Sets for Building Up Spring Capacity, and Truss Rods for Supporting Axle Housings.
Claims use since Oct. 1, 1877, by applicant's predecessor of the mark "Maremont," and in its present form since May 1, 1914; and the design on which the word "Maremont" is disposed since Jan. 15, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 548,774. All-Steel Equipment Inc., Aurora, Ill. Filed Feb. 5, 1948. (Sec. 2f.)

ALL-STEEL-EQUIP

For Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull and Receptacle; Concrete Rings, Covers and Plates for Electrical Boxes, Bars Hangers for Electrical Boxes, and Fittings for Electric Cable and Conduit.
Claims use since June 1921.

Ser. No. 554,198. All-Steel Equipment Inc., Aurora, Ill. Filed Apr. 9, 1948.

Jay-Kay

The mark "Jay-Kay" is not the name of any known living person.
For Electrical Boxes—Namely, Switch and Outlet Boxes.
Claims use since June 1930.

Ser. No. 580,409. Howard Industries, Inc., Chicago, Ill. Filed June 14, 1949.



The "Omega" symbol is disclaimed. The drawing is lined for red and gray, but no claim is made to coloring as an essential feature of the mark.
For Fractional Horse Power Electric Motors and Gasoline Engine Driven Electric Generators.
Claims use since Dec. 2, 1946.

Ser. No. 584,053. Harry A. Cohen, trading under the name Standard Electric Manufacturing Co., West Berlin, N. J. Filed Aug. 26, 1949.



For Portable, Unitary, Hand-Manipulable Electrically Operated Agitator for Use in Mixing Soft Drinks, Syrups, Chemicals, Cement, Polish, Beauty Preparations, Creosote, Stains, Dyes, and Non-Volatile Paints.
Claims use since Aug. 30, 1948.

Ser. No. 586,945. Synchro-Start Products, Inc., Chicago, Ill. Filed Oct. 27, 1949.

TEMSTART

For Electrical System Comprised of a Main Controlling Unit, Including Electrical Relays, Solenoids and Switches and Automatically Operating Means Therefor, Together With Temperature Control Switches and Visible or Audible Alarms With Wiring Connections for Application to Internal Combustion Engines Which Have a Starting Motor, Battery, Generator and an Ignition Means, Said Electrical System Automatically Operating To Start and Stop Said Engines at Intervals in Accordance With Predetermined Temperature Conditions.
Claims use since Sept. 15, 1949.

Ser. No. 594,943. Baldor Electric Company, St. Louis, Mo. Filed Mar. 31, 1950.

BALDOR

Applicant claims ownership of Registration No. 273,740.
For Electric Motors, Rectifiers, and Electric Fans.
Claims use since January 1920.

Ser. No. 594,972. Illinois Farm Supply Company, Chicago, Ill. Filed Mar. 31, 1950.



The drawing is lined for the color blue.
For Automotive Storage Batteries.
Claims use since Oct. 12, 1949.

Ser. No. 598,875. Vickers, Incorporated, Detroit, Mich. Filed June 9, 1950. (Sec. 2f.)

VICKERS

Applicant claims ownership of Registrations Nos. 356,186, 356,666, 391,754, and others.
For Pressure Switches.
Claims use since 1925.

Ser. No. 600,053. Insulation Manufacturers Corporation, Chicago, Ill. Filed June 30, 1950.

IMC

For Electrical Insulating Material—Namely, Friction and Rubber Adhesive Tapes; Enamels, Lacquers, Shellacs and Adhesives for Electrical Insulation; Woven Cloth Asbestos Tape in Roll and Sheet Form; Braided Sleevings; Cuffed Paper Coils and Tubings; Heat Sealing Resinous Sheets and Tapes; Insulating Bushings; Mica Insulating Material; Laminated Plastics for Insulation; Slot Insulators, and Glass Tubings and Sleevings.
Claims use since Mar. 15, 1941.

Ser. No. 600,055. Insulation Manufacturers Corporation, Chicago, Ill. Filed June 30, 1950.

IMCOR

For Electrical Insulating Material—Namely, Braided and Cotton Sleevings, Creped Paper Tapes, Woven Cloth Tapes, Woven Glass Tapes, Friction and Rubber Tapes, and Paper Tubings.
Claims use since Mar. 17, 1949.

Ser. No. 600,056. Insulation Manufacturers Corporation, Chicago, Ill. Filed June 30, 1950.

Inmanco

For Electrical Insulating Material—Namely, Cuffed Paper Insulation Coils and Strips; Armature Collars; Slot Insulators; End Laminating Insulation Material; Ethyl Cellulose Treated Paper, Wood, Fibre, and Cloth Insulating Material; and Wooden Wedges Used for Permanent Retention of Wire in Rotor and Stator Slots of Electric Motors.
Claims use since July 28, 1947.

Ser. No. 600,057. Insulation Manufacturers Corporation, Chicago, Ill. Filed June 30, 1950.

Wedgie

For Wooden Wedges Used for Permanent Retention of Wire in Rotor and Stator Slots of Electric Motors.
Claims use since July 1, 1948.

Ser. No. 600,097. Edwin L. Wiegand Company, Pittsburgh, Pa. Filed June 30, 1950.

ROCKET

For Electric Range Units.
Claims use since Jan. 13, 1950.

Ser. No. 601,156. Moe Light, Inc., Fort Atkinson, Wis. Filed July 24, 1950.



The words "Moe" and "Light" are disclaimed. Applicant claims ownership of Registration No. 517,557.
For Electric Lighting Fixtures.
Claims use since Dec. 15, 1949.

Ser. No. 601,682. McGraw Electric Company, Milwaukee, Wis. Filed Aug. 3, 1950.

ORTO

For Dielectric or Electrically Insulating Oil.
Claims use since July 19, 1950.

Ser. No. 601,706. The Astatic Corporation, Conneaut, Ohio. Filed Aug. 4, 1950.



For Microphones.
Claims use since June 1, 1950.

Ser. No. 602,046. E. W. McGrade Manufacturing Co., Inc., Marysville, Kans. Filed Aug. 10, 1950.

TRACTOROLA

For Radio Receiving Sets.
Claims use since Feb. 14, 1949.

Ser. No. 602,270. McGraw Electric Company, Milwaukee, Wis. Filed Aug. 16, 1950.



For Dielectric or Electrically Insulating Oil.
Claims use since July 19, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 537,891. Hesse Machine & Mfg. Co., Inc., Boston, Mass. Filed Oct. 15, 1947.

Merltoy

For Children's Toys—Namely, Toy Carts and Other Wheel Toys.
Claims use since June 2, 1947.

Ser. No. 561,435. Bayshore Industries, Inc., Elkton, Md. Filed July 15, 1948.

"ATOMIC BOMB"

For Toy Rubber Balloons.
Claims use since June 16, 1948.

Ser. No. 576,327. G. & H. Specialties, Inc., Horton, Kans. Filed Mar. 30, 1949.

FISHERMAN'S FRIEND

The word "Fishermans" is disclaimed.
For Fishing Equipment—Namely, Pole and Rod Holders, Floats, Bobbers, Sinkers, and Stringers.
Claims use since Nov. 1, 1948.

Ser. No. 588,193. Parker Brothers, Inc., Salem, Mass. Filed Oct. 27, 1949.

CAMELOT

Applicant claims ownership of Registrations Nos. 264,945 and 297,467.
For Board Game Played With Movable Pieces.
Claims use since Aug. 14, 1929.

Ser. No. 589,107. Milton Bradley Company, Springfield, Mass. Filed Dec. 9, 1949.

CANDY LAND

The drawing is lined to indicate shading. No particular color is claimed.
For Board Game Played With Movable Pieces.
Claims use since Mar. 15, 1949.

Ser. No. 592,154. The P. R. Mitchell Company, Cincinnati, Ohio, assignor to Melville J. Shaw, Cincinnati, Ohio. Filed Feb. 8, 1950.

Safegard

The drawing is lined for blue.
For Buoyant Safety Swim Vests, Life Preservers, and Buoyant Boat Cushions.
Claims use since Nov. 11, 1949.

Ser. No. 594,465. Ideal Novelty & Toy Co., Hollis, N. Y. Filed Mar. 23, 1950.

BABY MINE

The word "Baby" is disclaimed.
For Dolls.
Claims use since June 1911.

Ser. No. 596,471. American Character Doll Co., New York, N. Y. Filed Apr. 28, 1950.

CHUCKLES

For Dolls.
Claims use since Mar. 14, 1940.

Ser. No. 596,892. Wright & McGill Co., Denver, Colo. Filed May 4, 1950.

YANK

For Fishing Lines and Fishing Leaders.
Claims use since June 1, 1938.

Ser. No. 597,489. Atlantic Products Corporation, Trenton, N. J. Filed May 16, 1950.



Applicant claims ownership of Registration No. 504,356.
For Golf Bags.
Claims use since Dec. 1, 1945.

Ser. No. 597,676. Game Time, Inc., Litchfield, Mich. Filed May 18, 1950.

Game-time

Applicant claims ownership of Registration No. 406,336.
For Playground Apparatus—Namely, Sand Tanks, Swings, Turning Bars, Swing Frames, Swing Hangers, Swing Seats, Bicycle Racks, Trapeze Bars, See-Saws, Self-Propelled Merry-Go-Rounds, Climbing Apparatus, Muscle Bars, Health Ladders, Playground Slides, Basketball Backboards, and Goal Posts for General Use.
Claims use since Aug. 19, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 539,767. Steel Products Manufacturing Company, St. Louis, Mo., now by change of name Swing-A-Way Manufacturing Company, a corporation of Missouri. Filed Oct. 31, 1947.

swingmaster

For Can Openers.
Claims use since Oct. 20, 1947.

Ser. No. 542,612. Metallizing Engineering Co. Inc., Long Island City, N. Y. Filed Nov. 28, 1947.

METCO

Applicant claims ownership of Registrations Nos. 358,092 and 359,053.
For Metal Spray Guns, Parts of Metal Spray Guns and Equipment Used in Connection With Spray Guns, i. e., Reel Stand for Handling Wire, Air Compressors, Compressed-Air Cleaning and Drying Equipment—Namely, Screens and Centrifugal Moisture Separators; Sand and Grit Blasting Equipment—Namely, Centrifugal Abrasive Blasters, Air Pressure Abrasive Blasters, Work Supports, Abrasive Circulators and Elevators, and Blast Supports.
Claims use since Oct. 20, 1934.

Ser. No. 546,994. Industrial Research, Inc., Phoenix, Ariz. Filed Jan. 14, 1948.

Flush-O-Matic

The word "Flush" is disclaimed.
For Liquid Jet Producing Machines for Use in Washing, Flushing, and Other Cleaning Operations, and More Particularly for Flushing the Liquid Cooling Systems of Automobiles and Other Internal Combustion Engines.
Claims use since Oct. 1, 1947.

Ser. No. 548,269. Link Manufacturing Company, Inc., Fargo, N. Dak. Filed Jan. 29, 1948.

BASIN TILLER

The word "Tiller" is disclaimed.
For Tractor Propelled Soil Working Implement for Prevention of Erosion.
Claims use since 1939.

Ser. No. 551,368. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 6, 1948. (Sec. 2f.)

Super Life

For Carpenters' and Mechanics' Tools—Namely, Wrenches, Pliers, Pincers, Hammers, Hatchets, Wrecking Bars and Irons, Bolt Cutters, Axes, Sledge Hammers, Wedges, Clamps, Vises, Iron Bench Screws, Braces, Bits, Drills and Stands Therefor, Paint and Floor Scrapers, Putty Knives, Glass Cutters, Hand Saws, Screw Drivers, Chisels, Spoke Shavers, Augers, Drift Punches, Mitre Boxes, Files, Rasps, Ratchet Drivers, Scribers, Planes, Trowels, Edgers, Wire and Tin Snips.
Claims use since Apr. 1, 1940.

Ser. No. 565,392. Wells Manufacturing Corporation, Three Rivers, Mich. Filed Sept. 17, 1948.

Clever Cutter

The drawing is lined for yellow or gold. Applicant disclaims the word "Cutter."
For Sawing Machines and Parts Thereof.
Claims use since Aug. 1, 1927.

Ser. No. 565,938. Kiekhaefer Corporation, Cedarburg, Wis. Filed Sept. 27, 1948. (Sec. 2f.)

Kiekhaefer

For Outboard Motors, Industrial Engines and Parts Thereof.
Claims use since July 1, 1939.

Ser. No. 566,579. Simon Faure, Firminy, France. Filed Oct. 7, 1948.

TIRFOR

Applicant claims ownership of French Registration No. 7,542, dated May 31, 1945.
For Cable Hoisting and Draught Apparatus.

Ser. No. 576,059. Ideal Industries, Inc., Sycamore, Ill. Filed Mar. 25, 1949.

Stripmaster

For Wire Stripping Devices—Namely, Hand Operated Tools Which Cut and Remove Insulation From Wire.
Claims use since Jan. 15, 1949.

Ser. No. 583,460. Woodstock Typewriter Company, Chicago and Woodstock, Ill. Filed Aug. 13, 1949.

Signature

For Typewriters.
Claims use since Apr. 5, 1949.

Ser. No. 585,273. The DoAll Company, Des Plaines, Ill. Filed Sept. 24, 1949.

Pica - Master

For Band Saws, Band Filers, Saws, Saw Blades, and Saw Bands.
Claims use since Aug. 1, 1949.

Ser. No. 585,733. Air Associates, Inc., Teterboro, N. J. Filed Oct. 4, 1949.

AIR ASSOCIATES

The words "Air Associates Inc." are disclaimed.
For Electric Screw Jacks, Hydraulic Jacks, Accumulators, Hydraulic Cylinders for Power Transmission, Hydraulic Actuator Screws, and Hydraulic Steer System Apparatus.
Claims use since January 1938.

Ser. No. 585,935. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Oct. 7, 1949.

Sun 'n' Moon

For Pocket Knives.
Claims use since Mar. 22, 1949.

Ser. No. 585,995. The Elliott Addressing Machine Company, Cambridge, Mass. Filed Oct. 8, 1949.

ADDRESSERETTE

For Addressing Machines.
Claims use since June 28, 1940.

Ser. No. 586,699. National Silver Company, New York, N. Y. Filed Oct. 22, 1949.

WISE BUYS

For Stainless Steel Table Cutlery—Namely, Knives, Forks, and Spoons.
Claims use since Sept. 19, 1949.

Ser. No. 588,087. Handling Devices Co., Inc., Boston, Mass. Filed Nov. 19, 1949.

PLANTMAN

For Industrial Floor Sweepers.
Claims use since May 20, 1949.

Ser. No. 589,392. Revco Incorporated, Minneapolis, Minn. Filed Dec. 15, 1949.

Zero-Max

The notation "Zero" is disclaimed.
For Variable Speed Transmissions.
Claims use since Oct. 10, 1949.

Ser. No. 589,991. Rotary Hoes Limited, East Horndon, England. Filed Dec. 27, 1949.

ROTAVATOR

Applicant claims ownership of British Registration No. 568,110, dated Apr. 16, 1936.
For Ploughs, Cultivators, Diggers, Harrows, and Hoes.

Ser. No. 597,866. Globe Milker, Inc., Des Moines, Iowa. Filed May 19, 1950.

1-2-3-4 Rhythm

Applicant claims ownership of Registration No. 429,541.
For Milking Machines.
Claims use since Feb. 23, 1950.

Ser. No. 597,949. Dempster Mill Manufacturing Company, Beatrice, Nebr. Filed May 23, 1950.

PLANTALL

For Seed Planting Apparatus.
Claims use since May 10, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 590,214. Appliance Corporation of America, Milwaukee, Wis. Filed Dec. 31, 1949.

TOM THUMB

For Household Washing Machines.
Claims use since Nov. 10, 1949.

Ser. No. 606,208. Morris Chasmanoff, Newark, N. J. Filed Nov. 10, 1950.



FIREFLY

For Asbestos Press Pads.
Claims use since Oct. 17, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 579,050. Noble Chemical Corporation, Chicago, Ill., assignor to Du Bois Company, Cincinnati, Ohio. Filed May 18, 1949.

ALKATROL

Applicant claims ownership of Registration No. 427,656.
For Electrical Liquid Concentration Control Apparatus for Maintaining a Predetermined Concentration of Alkaline or Other Chemical Substances in Dairy Can Washers, Dishwashing Machines and the Like.
Claims use since Jan. 4, 1943.

Ser. No. 580,074. Joe Lowe Corporation, New York, N. Y. Filed June 7, 1949.



The pictorial representation of the boy is fanciful.
For Compasses, Telescopes, and Cameras.
Claims use since Feb. 17, 1949.

Ser. No. 583,401. Manning, Maxwell & Moore, Incorporated, New York, N. Y. Filed Aug. 12, 1949. (Sec. 2f.)

GAUGE SAVER

For Throttling and Protecting Attachment for Guarding the Pressure Sensitive Elements of Gauges From the Injurious Action of the Medium Being Measured.
Claims use since June 17, 1938.

Ser. No. 583,740. The De Forest-Sanabria Corporation, Chicago, Ill. Filed Aug. 20, 1949.

TRANSPONDER

For Visual and Aural Educational Equipment—Namely, a Wire Sound Recorder and Reproducer and Film Projector Packed Together as a Kit.
Claims use since July 1, 1949.

Ser. No. 588,179. National Pumps, Inc., Cincinnati, Ohio. Filed Nov. 22, 1949.

NATIONAL

For Gasoline Measuring and Dispensing Pumps.
Claims use since April 1932.

Ser. No. 598,713. DeJur-Amsco Corporation, Long Island City, N. Y. Filed June 7, 1950.

AMBASSADOR

For Motion Picture Projectors.
Claims use since Nov. 8, 1949.

Ser. No. 600,401. Speedway Petroleum Corporation, Detroit, Mich. Filed July 8, 1950.

FEDERAL

For Self-Measuring Gasoline Pumps.
Claims use since July 1, 1949.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 568,873. Tellus Corporation of America, New York, N. Y. Filed Nov. 16, 1948.

ULTRAMAR

For Watches.
Claims use since Oct. 20, 1947.

Ser. No. 574,517. Emil Leichter, New York, N. Y. Filed Feb. 25, 1949. (Sec. 2f.)

HYDEPARK
QUALITY

The word "Quality" is disclaimed. Applicant claims ownership of Registrations Nos. 408,220 and 514,937.
For Watches.
Claims use since January 1943.

Ser. No. 574,518. Emil Leichter, New York, N. Y. Filed Feb. 25, 1949. (Sec. 2f as to "Hydepark.")

HYDEPARK
SERVICE

The word "Service" is disclaimed. Applicant claims ownership of Registrations Nos. 408,220 and 514,937.
For Watches.
Claims use since January 1943.

Ser. No. 580,293. Federation Suisse des Associations de Fabricants d'Horlogerie, Bienne, Switzerland. Filed June 11, 1949. COLLECTIVE MARK.

The WATCHMAKERS OF SWITZERLAND

The words "The Watchmakers of Switzerland" and the representation of watch-hands are disclaimed.
For Watches.
First used in the first half of June 1948; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress in the first half of June 1948.

Ser. No. 580,294. Federation Suisse des Associations de Fabricants d'Horlogerie, Bienne, Switzerland. Filed June 11, 1949. COLLECTIVE MARK.

SWISS FEDERATION WATCH MANUFACTURERS

The representation of watch-hands is disclaimed.
For Watches.
First used in the first half of June 1948; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress in the first half of June 1948.

Ser. No. 583,611. William B. Ogush, Inc., New York, N. Y. Filed Aug. 17, 1949.

PLYMOUTH

Applicant claims ownership of Registration No. 239,962.
For Watches, Watch Cases, and Watch Movements.
Claims use since Feb. 1, 1927.

Ser. No. 586,679. Bulova Watch Company, Inc., New York, N. Y. Filed Oct. 22, 1949.

Peter Pan

The mark refers to "Peter Pan," an imaginary character.
For Watches—Namely, Wrist or Strap Watches.
Claims use since Oct. 6, 1949.

Ser. No. 589,021. Halgreen, Inc., New York, N. Y. Filed Dec. 8, 1949.

SAVILLON

For Watches, Clocks, and Movements Therefor.
Claims use since Oct. 28, 1949.

Ser. No. 589,022. Halgreen, Inc., New York, N. Y. Filed Dec. 8, 1949.

ZELIA

For Watches, Clocks, and Movements Therefor.
Claims use since Oct. 28, 1949.

Ser. No. 589,777. Ebauches Ltd., also doing business as Ebauches S. A., and Ebauches A. G., Neuchatel, Switzerland. Filed Dec. 22, 1949. COLLECTIVE MARK.

SERVICE DES FOURNITURES

EBAUCHES S.A.

No claim is made to the exclusive use of the words "Service des Fournitures" which in English mean "supplying watch parts." Applicant claims ownership of Swiss Registration No. 111,228, dated May 8, 1945.
For Watches, Watch Movements, and Parts Thereof.

Ser. No. 589,846. General Time Corporation, New York, N. Y., and Thomaston, Conn. Filed Dec. 23, 1949.

PLYMOUTH

For Clocks.
Claims use since 1917.

Ser. No. 590,416. Belmont International, Inc., New York, N. Y. Filed Jan. 6, 1950.

BELINA

For Men's and Women's Watches.
Claims use since Dec. 3, 1946.

Ser. No. 590,418. Belmont International, Inc., New York, N. Y. Filed Jan. 6, 1950.

MAJUVY

For Men's and Women's Watches.
Claims use since Dec. 3, 1946.

Ser. No. 593,630. The Gruen Watch Company, Cincinnati, Ohio. Filed Feb. 17, 1950. (Sec. 2f.)

GUILDEN

Applicant claims ownership of Registration No. 132,157.
For Watches, Watch Cases, and Watch Movements.
Claims use since Sept. 18, 1923.

Ser. No. 593,635. The Gruen Watch Company, Cincinnati, Ohio. Filed Feb. 17, 1950. (Sec. 2f.)

ULTRATHIN

Applicant claims ownership of Registration No. 174,291.
For Watches, Watch Cases, and Watch Movements.
Claims use since 1905.

Ser. No. 595,378. Victor Huff, New York, N. Y. Filed Apr. 7, 1950.

BERNHUF Watches

"Watches" and the slogan "Royally Designed for Style and Accuracy" are disclaimed.
For Watches.
Claims use since June 15, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 494,109. Oneida Ltd., Sherrill and Oneida, N. Y. Original filed, act of 1905, Dec. 29, 1945; amended to application under act of 1946, Principal Register, Feb. 1, 1948.

DAMASK ROSE

The word "Rose" and the representation of a damask rose in the pattern of the goods are disclaimed.
For Sterling Silver Flat Tableware.
Claims use since Oct. 6, 1945.

Ser. No. 569,769. Oneida Ltd., Oneida and Sherrill, N. Y. Filed Dec. 2, 1948.

Lady Stuart

The name "Stuart" is disclaimed.
For Silverplated Flat and Hollow Tableware.
Claims use since Oct. 28, 1948.

Ser. No. 573,622. Bulova Watch Company, Inc. New York, N. Y. Filed Feb. 10, 1949.

Clipper

Applicant claims ownership of Registration No. 336,247.
For Wristbands and Bracelets for Watches Made Wholly or in Part or Plated With Precious Metals, Sold Separately From Watches.
Claims use since Jan. 5, 1949.

Ser. No. 579,534. Everfine Jewelry Mfg. Co., Providence, R. I. Filed May 26, 1949.

KLICK-ON-END

For Jewelry for Personal Wear, Not Including Watches—Namely, Watch Bracelets and Watch Straps, Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since May 1, 1949.

Ser. No. 581,740. Societe Anonyme Orfevrerie Christofle, Paris, France. Filed July 9, 1949.

CHRISTOFLE

Applicant claims ownership of French Registration No. 390,319, dated Dec. 16, 1948.
For Gold and Sterling Silver Flatware and Hollow Ware—Namely, Bowls, Trays, Salt Cellars, Casseroles, Cover Dishes, Sauce Dishes, Ice Containers, Coffee Making Devices, Salt and Pepper Shakers, Glass Holders, Cups, Cocktail Shakers, Tea and Coffee Pots, Pitchers, Tea and Coffee Sets, and Knives, Forks, and Spoons.

Ser. No. 581,817. The May Department Stores Company, New York, N. Y., and St. Louis, Mo. Filed July 12, 1949.

Maycrest

The trade-mark consists of the word "Maycrest."
For Silverplated Hollow Ware.
Claims use since May 12, 1949.

Ser. No. 583,130. J. W. Wolfenden Corp., Attleboro, Mass. Filed Aug. 6, 1949.



The words "Wolfenden" and "Sterling" are disclaimed.
For Sterling Silver Flatware and Hollow Ware.
Claims use since May 24, 1949.

Ser. No. 584,375. Robert Allen Company, St. Paul, Minn. Filed Sept. 2, 1949.

Taj Mahal

For Finger Rings.
Claims use since Apr. 4, 1949.

Ser. No. 587,954. Interatlantic Trading Corp., New York, N. Y. Filed Nov. 17, 1949.

HOLIDAY

For Costume Jewelry—Namely, Necklaces, Bracelets, Finger Rings, and Earrings Made From or Containing Simulated Pearls.
Claims use since October 1949.

Ser. No. 588,580. David Kirsch, University City, Mo. Filed Nov. 30, 1949.

Society Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 253,280.
For Watch Chains, Neck Chains, Bracelets, Bar Pins, Necklaces Set With Pearls, Bracelets for Watches, Scarf Pins, Tie Clasps, Collar Pins, Cuff Links, Lockets, Emblem Charms, Finger Rings, Earrings, Card Cases, Emblem Buttons, Emblem Pins, All of the Foregoing Items Being Made in Whole of, in Part of, or Plated With Precious Metals.
Claims use since Jan. 30, 1928.

Ser. No. 588,595. Réja Inc., New York, N. Y. Filed Nov. 30, 1949.



The term "Artistry in Jewels" is disclaimed. Applicant claims ownership of Registrations Nos. 428,746 and 428,173.
For Costume Jewelry—Namely, Necklaces, Bracelets, Brooches, Finger Rings, and Earrings.
Claims use since May 1940.

Ser. No. 588,596. Réja Inc., New York, N. Y. Filed Nov. 30, 1949.

Pinch Pin

The word "Pin" is disclaimed.
For Costume Jewelry—Namely, Necklaces, Bracelets, Brooches, Finger Rings, and Earrings.
Claims use since October 1949.

Ser. No. 595,966. Lewis Kirschman Company, Inc., New York, N. Y. Filed Apr. 19, 1950.

SCREWBACK

For Key Ring Plated With Precious Metal, Being a Flexible Member for Passing Through the Holes of Keys, With an Abutment at Each End.
Claims use since Feb. 1, 1947.

Ser. No. 596,080. Coro, Inc., New York, N. Y. Filed Apr. 21, 1950.

Cloudrift

For Jewelry for Personal Wear Not Including Watches—Namely, Necklaces, Bracelets, Finger Rings, Earrings, Jewelry Clips, and Lockets and the Following Made in Whole or in Part of Precious Metal or Plated With the Same, Beads, Pins, Hat Ornaments, Hair Ornaments, and Jewelry Initials.
Claims use since January 1950.

Ser. No. 596,653. Carol-Deb Company, Pawtucket, R. I. Filed May 1, 1950.



The representation of a cut stone is disclaimed.
For Jewelry for Personal Wear, Not Including Watches—Namely, Hair Ornaments, Necklaces, Pendants, Chokers, Earrings, Brooches, Lapel Pins, Ornamental Pins, Ornamental Clips, Bracelets, and Finger Rings, Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since Apr. 1, 1949.

Ser. No. 597,938. Bruner-Ritter, Inc., New York, N. Y. Filed May 23, 1950.

All Star

For Bracelets, Wrist Watch Bracelets.
Claims use since Jan. 9, 1950.

Ser. No. 599,523. National Silver Company, New York, N. Y. Filed June 21, 1950.

LEAF

No registration rights are claimed herein to the use of a leaf in the pattern of the goods.
For Sterling Silver Flatware.
Claims use since Feb. 28, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 578,325. Furlager Manufacturing Co. Inc., New York, N. Y. Filed May 6, 1949.

VANI-PUF

The word "Puf" is disclaimed.
For Powder Puffs.
Claims use since Jan. 10, 1940.

Ser. No. 584,409. Lactona Incorporated, St. Paul, Minn. Filed Sept. 2, 1949.

RED LINE

The word "Line" is disclaimed.
For Toothbrushes.
Claims use since May 31, 1949.

Ser. No. 596,360. Richard K. Reitenbach, Franklin, Pa. Filed Apr. 26, 1950.

SWEEPETTE

For Mops, Dusting Cloths.
Claims use since Apr. 5, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 563,818. Oliver United Filters Incorporated, Oakland, Calif. Filed Aug. 21, 1948. (Sec. 2f.)

AMERICAN

For Industrial Filters of the Continuous Rotary Disc Type for the Separation of Solids and Liquors.
Claims use since 1920.

Ser. No. 572,624. Troop Water Heater Company, Pittsburgh, Pa. Filed Dec. 24, 1948.

HYDRA-STONE

For Water Purifying and Softening Apparatus of the Household Type.
Claims use since 1937.

Ser. No. 592,232. The Standard Churn Company, Wapakoneta, Ohio. Filed Feb. 9, 1950.



For Ice Cream Freezers for Home Use.
Claims use since Jan. 4, 1949.

Ser. No. 599,853. The Warren Co. Inc., Atlanta, Ga. Filed June 27, 1950. (Sec. 2f.)

Warren

Applicant claims ownership of Registrations Nos. 512,347, 510,178, 510,179, 510,177, and 507,531.
For Commercial Refrigerators—Namely, Display and Storage Cases, Refrigerated Service Bars, Reach-In Refrigerators, Dairy Refrigerators, Frozen Food Refrigerators, and Floral Refrigerators.
Claims use since Apr. 10, 1950, as to the mark shown; and since July 1, 1922, as to "Warren."

Ser. No. 600,432. General Controls Co., Glendale, Calif. Filed July 10, 1950.

GM C

For Electromagnetically and Electrically Operated Valves for Controlling the Flow of Refrigerant in Refrigerating Systems.
Claims use since June 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 563,508. Watson Manufacturing Company, Inc., Jamestown, N. Y. Filed Aug. 16, 1948.

ROL-DEX

For Open-Top Racks or Cases Having Adjustable and Removable Record Receiving Trays.
Claims use since June 7, 1948.

Ser. No. 568,408. Thonet Brothers, Inc., New York, N. Y., assignor to Thonet Industries Inc., New York, N. Y., a corporation of Delaware. Filed Nov. 8, 1948. (Sec. 2f.)

THONET

Applicant claims ownership of Registrations Nos. 54,066, 226,806, 226,807, 230,583, 430,883, 432,802, 433,309.
For Furniture—Namely, Chairs, Stools, Shoe Fitting Stools, Settees, Sofas, Tables, Occasional Tables, Card Tables, Servers.
Claims use since 1881.

Ser. No. 574,986. Charles W. Wagner, doing business as Wagner's Quality Craft Products, Tawas, Mich. Filed Mar. 5, 1949.

"Trav-l-pal"

For Foldable Picnic Tables.
Claims use since Feb. 1, 1949.

Ser. No. 575,006. Food-O-Mat Corporation, New York, N. Y. Filed Mar. 7, 1949.

SHOP-O-MAT

For Display, Sales, and Storage Stands for Articles of Various Kinds.
Claims use since Nov. 13, 1948.

Ser. No. 586,256. Shoreland Furniture Co., Chicago, Ill. Filed Oct. 13, 1949.

Shoreland

For Juvenile Furniture, Comprising Chairs, High Chairs, Wardrobes, Bassinets, and Tables.
Claims use since July 20, 1944.

Ser. No. 586,832. American Furniture Novelty Company, Chicago, Ill. Filed Oct. 26, 1949.

Trouville

For Desks, Coffee Tables, Cabinets, Cocktail Tables, Drop Leaf Tables, End Tables, and Lamp Tables.
Claims use since July 1, 1949.

Ser. No. 592,857. American Plastic Products Co., Detroit, Mich. Filed Feb. 23, 1950.

Stylife

For Stools.
Claims use since Feb. 1, 1949.

Ser. No. 597,329. Evelyn E. Enge, doing business as Little Otto Company, Chicago, Ill. Filed May 12, 1950.

LITTLE OTTO

For Collapsible Foot and Leg Rest.
Claims use since May 5, 1950.

Ser. No. 597,433. Concord Products Corporation, Chicago, Ill. Filed May 15, 1950.

TELESNAK

For Metal Folding Tables.
Claims use since Feb. 1, 1950.

Ser. No. 597,844. Royal Venetian Blind Mfg. Co., St. Louis, Mo. Filed May 20, 1950.

ROYAL

Applicant claims ownership of Registration No. 377,605.
For Venetian Blinds.
Claims use since Apr. 1, 1938.

Ser. No. 597,950. Drexel Furniture Company, Drexel, N. C. Filed May 23, 1950.

WALLACE NUTTING

"Wallace Nutting" is the name of a deceased furniture collector and manufacturer.
For Living Room Furniture—Namely, Dining Tables, Serving Tables, Credenzas, Corner Cabinets, Breakfronts, Arm Chairs, and Side Chairs; Living Room Furniture—Namely, Desks, Highboys, and Secretaries; and Bedroom Furniture—Namely, Vanities, Dressers, and Mirrors.
Claims use since Dec. 14, 1949.

Ser. No. 598,135. Watson Manufacturing Company, Inc., Jamestown, N. Y. Filed May 25, 1950.

For Elongated, Open-Top File Racks or Cases and Open-Top Racks or Cases Having Adjustable and Removable Record Receiving Trays.
Claims use since June 7, 1948.

Ser. No. 598,136. Watson Manufacturing Company, Inc., Jamestown, N. Y. Filed May 25, 1950.

ROL-DEX

For Open-Top Racks or Cases Having Adjustable and Removable Record Receiving Trays.
Claims use since June 7, 1948.

Ser. No. 598,137. Watson Manufacturing Company, Inc., Jamestown, N. Y. Filed May 25, 1950.

TRANS-DEX

For Elongated, Open-Top File Racks or Cases.
Claims use since June 7, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 570,842. Etna Recording Co., Inc., New York, N. Y. Filed Dec. 20, 1948.

ETNA

For Grooved Phonograph Records.
Claims use since Aug. 5, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,115. Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Filed July 5, 1947. (Sec. 2f.)

NO WASTE

Applicant claims ownership of Registration No. 154,837.
For Toilet Tissue.
Claims use since Apr. 1, 1916.

Ser. No. 527,297. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed July 5, 1947. (Sec. 2f.)

Cordwain

For Cover Paper.
Claims use since Jan. 31, 1931.

Ser. No. 562,180. A. T. Cross Pencil Company, Providence, R. I. Filed July 26, 1948.



The trade-mark consists of a black frustro-conical tip at the end of the pencil body opposite the writing point.
For Mechanical Pencils.
Claims use since January 1935.

Ser. No. 573,169. Concord Pen Company, Inc., New York, N. Y. Filed Feb. 2, 1949.

"Concord"

For Fountain Pens.
Claims use since June 10, 1948.

Ser. No. 573,988. Sterling Pulp & Paper Company, Eau Claire, Wis. Filed Feb. 16, 1949.

JET

For Toilet Paper, Waxed Paper, Household Rolls, Paper Towels, Paper Napkins, and Paper Facial Tissues.
Claims use since Oct. 21, 1948.

Ser. No. 578,712. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Paper Goods in the Form of Doilies, Napkins, and Waxed Wrapping Paper.
Claims use since March 1944.

Ser. No. 595,638. Welsh Manufacturing Company, Providence, R. I. Filed Mar. 25, 1950.

Mid-Century

For Fountain Pens, Ball Point Pens, and Mechanical Pencils.
Claims use since Feb. 6, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 554,115. The Hearst Corporation, New York, N. Y. Filed Apr. 8, 1948.

RUSTY RILEY

The mark "Rusty Riley" is a fictitious name.
For Series of Cartoons or Comic Strips.
Claims use since Jan. 26, 1948.

Ser. No. 564,540. United States News Publishing Corporation, Washington, D. C. Filed Sept. 1, 1948.

Covergram

For Pictorial Features of Periodical Publications.
Claims use since June 11, 1948.

Ser. No. 571,479. Cosby P. Harrison, Crossville, Tenn. Filed July 1, 1948. (Sec. 2f.)

TRADE-A-PLANE SERVICE

For Aviation Advertising Publication Published Three Times Each Month (Approximately Every Ten Days).
Claims use since Sept. 15, 1937.

Ser. No. 574,916. National Electrical Contractors Association, Washington, D. C. Filed Mar. 4, 1949.

Applicant disclaims the entire wording except the initials "NECA."
For National Electrical Contractors Periodical Published Monthly.
Claims use since July 1948.

Ser. No. 575,871. Fleming H. Revell Company, New York, N. Y. Filed Mar. 22, 1949. (Sec. 2f.)

TARBELL'S

TEACHERS' GUIDE

For Annual Publication.
Claims use since Dec. 11, 1905.

Ser. No. 578,485. Frank T. Burwinkel, doing business as Ohio Typewriter Service, Cincinnati, Ohio. Filed May 10, 1949.



For Collections of Instruction Sheets or Display Cards.
Claims use since Apr. 23, 1949.

Ser. No. 584,690. On Your Dial Adv. Service, Seattle, Wash. Filed Sept. 10, 1949.

YOUR DIAL

For Radio Program Guide.
Claims use since July 13, 1949.

Ser. No. 589,115. James R. Bowe, Armando De Vivo, and Florence J. De Vivo, Camden, N. J. Filed Dec. 9, 1949.



THE PHANTOM HANDICAPPER

The representation of the woman is that of Florence J. De Vivo, one of the partners, consent given. The word "Handicapper" is disclaimed.
For Periodic Publication.
Claims use since Nov. 3, 1949.

Ser. No. 590,264. The Florida Sun Publishing Company, Miami and Miami Beach, Fla. Filed Jan. 3, 1950.

Riviera Times

The word "Florida" is disclaimed. Applicant claims ownership of Registration No. 520,007.
For Daily Newspaper.
Claims use since Oct. 10, 1949, as to the mark shown; since May 23, 1948, as to "The Florida Sun"; and since May 2, 1949, as to "Riviera Times."

Ser. No. 590,265. The Florida Sun Publishing Company, Miami and Miami Beach, Fla. Filed Jan. 3, 1950.

Florida Sun

The word "Florida" is disclaimed. Applicant claims ownership of Registration No. 520,007.
For Daily Newspaper.
Claims use since May 23, 1948, as to "Florida Sun"; since May 2, 1949, as to "Riviera Times"; and since Oct. 10, 1949, as to the mark shown.

Ser. No. 592,470. W. H. Brady Co., Milwaukee, Wis. Filed Feb. 15, 1950. (Sec. 2f.)

QUIK-LABELS

The word "Labels" is disclaimed. Applicant claims ownership of Registration No. 511,498.
For Identification Labels Composed of Paper, Fabric or Composition Tape, Carrying Pressure Sensitive Adhesive on Its Attachment Face and Printed or Otherwise Applied Identification Symbols on Its Exposed Face, Intended To Be Adhesively Attached.
Claims use since Sept. 25, 1944.

Ser. No. 592,864. Bucket O'Bucks, Inc., North Hollywood, Calif. Filed Feb. 23, 1950.

BUCK

The words "Buck" and "Bucks" are disclaimed.
For Trade Certificates.
Claims use since Jan. 27, 1950.

Ser. No. 593,160. Broward County Kennel Club, Inc., Hallandale, Fla. Filed Feb. 28, 1950.



For Daily Racing Sheets and Daily Newspaper Columns.
Claims use since Jan. 1, 1934.

Ser. No. 596,168. International Association of Bridge, Structural and Ornamental Iron Workers, St. Louis, Mo. Filed Apr. 22, 1950.



All the wording appearing on the drawing is disclaimed.
For Periodical.
Claims use since Mar. 15, 1950.

Ser. No. 596,796. Nu-Art Engraving Co., Chicago, Ill. Filed May 3, 1950.



The words "Fine Christmas Cards" are disclaimed. The diagonal lining constitutes a part of the mark and is not intended to indicate color.
For Christmas Cards.
Claims use since Mar. 1, 1950.

Ser. No. 598,507. Suburban Essex, Inc., South Orange, N. J. Filed June 2, 1950.

SUBURBAN LIFE

For Magazine Published Monthly.
Claims use since May 7, 1950.

Ser. No. 598,610. Sierra Club, San Francisco, Calif. Filed June 5, 1950.

SIERRA CLUB BULLETIN

The word "Bulletin" is disclaimed.
For Publications Issued From Time to Time, Approximately Monthly.
Claims use since January 1893.

Ser. No. 598,611. Sierra Club, San Francisco, Calif. Filed June 5, 1950.



For Publications Issued From Time to Time.
Claims use since May 1, 1894.

Ser. No. 598,790. Robert E. Gardner, Churchville, N. Y. Filed June 8, 1950.

IN THE DOGHOUSE

For Series of Cartoons.
Claims use since Nov. 19, 1949.

Ser. No. 599,317. Electrical Information Publications, Inc., Madison, Wis. Filed June 17, 1950. (Sec. 2f.)

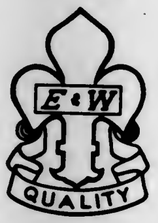
Electricity IN BUILDING

For Periodical Publication.
Claims use since January 1944.

CLASS 39

CLOTHING

Ser. No. 546,286. Ely & Walker Dry Goods Company, St. Louis, Mo. Filed Jan. 6, 1948.



The word "Quality" is disclaimed. Applicant claims ownership of Registrations Nos. 124,962, 143,329, 75,370, 76,228, 240,631, 401,544, and 532,675.
For Ladies', Misses', and Children's Coats, Suits, Dresses, Hosiery, Slips and Petticoats, Sweaters, Slacks, Gloves Made of Leather and Fabric or Combinations Thereof, and Bathing Suits; Men's and Boys' Coats, Suits, Sweaters, Bathing Suits, Hats, Caps, Slacks, and Gloves, Made of Leather and Fabric, or Combinations Thereof.
Claims use since Dec. 1, 1947.

Ser. No. 556,550. B. G. Garment Co., Chicago, Ill. Filed May 8, 1948.

Margie Joy

The name "Margie Joy" is purely fanciful.
For Juniors' and Misses' Better Dresses and Suits.
Claims use since 1933.

Ser. No. 570,726. Boris Smoler & Sons, Inc., Chicago, Ill. Filed Dec. 17, 1948.

Lazy Day

For Women's Housecoats.
Claims use since February 1937.

Ser. No. 574,615. Excel Garment Manufacturing Company, Minneapolis, Minn. Filed Feb. 28, 1949.



The drawing is lined for the colors red and blue. The words "Suit" and "Excel" are disclaimed.
For Children's Light Weight Snow Suits.
Claims use since Oct. 1, 1948.

Ser. No. 585,096. Adam Hat Stores, Inc., New York, N. Y. Filed Sept. 21, 1949.



The representation of the hat is disclaimed.
For Men's Hats.
Claims use since Sept. 7, 1949.

Ser. No. 592,974. Aurora Undergarment Co., Inc., Brooklyn, N. Y. Filed Feb. 24, 1950.

Pant a sea

The word "Pant" is disclaimed.
For Ladies' Panties.
Claims use since Dec. 15, 1949.

Ser. No. 596,048. Range Buster Sportswear Company, New York, N. Y. Filed Apr. 20, 1950.

RANGE BUSTER

For Children's and Ladies' Dungarees.
Claims use since Aug. 15, 1947.

Ser. No. 596,704. Ames Manufacturing Company, Inc., Forest City, Pa., and New York, N. Y. Filed May 2, 1950.

Betty-Ames

The name "Betty-Ames" is purely fanciful.
For Blouses for Women and Children.
Claims use since Oct. 21, 1949.

Ser. No. 596,818. Washington Manufacturing Company, Nashville, Tenn. Filed May 3, 1950.

KAPTAIN KID

Applicant claims ownership of Registration No. 250,184.
For Children's Wear—Namely, Overalls, Jackets, Trousers, Boxer Shorts, Playsuits, and Sport Shirts.
Claims use since Apr. 27, 1927.

Ser. No. 598,385. Peter Pan Foundations, Inc., New York, N. Y. Filed May 31, 1950.

SAINT

For Brassières.
Claims use since Apr. 1, 1950.

Ser. No. 598,543. The Pioneer Rubber Company, Willard, Ohio. Filed June 3, 1950.

Sno-Player's

For Children's Gloves, Particularly Plastic Coated, or Rubberized Fabric Mittens.
Claims use since May 8, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 568,602. Abraham Feerst & Co., Inc., New York, N. Y. Filed Nov. 12, 1948.

Shuttle-tex

For Embroidered Insertions, Edgings, and Medallions.
Claims use since May 24, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 584,790. Bilt-Mor Rugs, Inc., Chicago, Ill. Filed Sept. 14, 1949.



For Textile Rugs, Carpets, and Floor Coverings.
Claims use since Aug. 1, 1949.

Ser. No. 585,182. Pepperell Manufacturing Company, Boston, Mass. Filed Sept. 22, 1949.

COOL BREEZE

The word "Cool" is disclaimed.
For Blankets.
Claims use since July 21, 1949.

Ser. No. 585,899. Mooresville Mills, Inc., Mooresville, N. C. Filed Sept. 24, 1949.

NAILWEAVE

For All Rayon Piece Goods for Use in the Manufacture of Wearing Apparel.
Claims use since Aug. 26, 1949.

Ser. No. 588,359. United Merchants and Manufacturers, Inc., Wilmington, Del., and New York, N. Y. Filed Oct. 29, 1949.

CLEARIGHT FINISH

The word "Finish" is disclaimed per se.
For Piece Goods of Wool, Cotton, Rayon, Nylon and/or Silk or Combinations Thereof.
Claims use since July 12, 1948.

Ser. No. 593,526. J. Bernstein & Son, New York, N. Y. Filed Mar. 7, 1950.

EAGLECORD

For Corduroy Fabrics.
Claims use since Feb. 27, 1950.

Ser. No. 595,681. Radio Corporation of America, New York, N. Y. Filed Apr. 13, 1950.

RCA

For Woven Carpets.
Claims use since Mar. 14, 1950.

Ser. No. 596,558. Clopay Corporation, Cincinnati, Ohio. Filed Apr. 29, 1950.

VYNA-LACE

The word "Lace" is disclaimed.
For Window Draperies Formed From Plastic Sheet Material in Which the Material Is Configurated and Decorated To Produce Patterns Resembling Lace.
Claims use since Apr. 24, 1950.

Ser. No. 597,658. Bartmann & Bixer, Inc., New York, N. Y. Filed May 18, 1950.

TRAVETIER

For Window Curtains.
Claims use since Feb. 1, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 567,598. Plasticast Models Company, Pittsburgh, Pa. Filed Oct. 25, 1948.

Aire-Mold

No claim is made to the word "Mold."
For Ear Molds.
Claims use since Sept. 25, 1948.

Ser. No. 573,704. Beau-T-Form Foundations, Inc., Chicago, Ill. Filed Feb. 11, 1949.

STAY SANETTE

For Sanitary Napkin Supporters Adapted To Be Sewn or Otherwise Secured to a Foundation Garment.
Claims use since Dec. 3, 1948.

Ser. No. 574,385. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Feb. 23, 1949.

BEV-EDGE

The word "Edge" is disclaimed.
For Unmedicated Corn Plasters and Pads Made of Felt and Foam Rubber.
Claims use since Sept. 15, 1948.

Ser. No. 574,460. Raytheon Manufacturing Company, Newton, Mass. Filed Feb. 24, 1949.

RAYTHEON

Applicant claims ownership of Registrations Nos. 208,886, 237,111, 266,330, 305,916, 416,779, 420,872, 429,305, 506,701, and 521,461.
For Diathermy Unit Which Radiates Microwave Electromagnetic Energy Into Muscle or Fatty Tissue.
Claims use since Apr. 1, 1947.

Ser. No. 574,544. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Feb. 25, 1949.

VENTO-PLAST

For Non-Medicated Adhesive Tape and Adhesive Bandages for Orthopedic and Surgical Purposes.
Claims use since Nov. 15, 1948.

Ser. No. 574,545. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Feb. 25, 1949.

VENTPLAST

For Non-Medicated Adhesive Tape and Adhesive Bandages for Orthopedic and Surgical Purposes.
Claims use since Nov. 15, 1948.

Ser. No. 583,776. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Aug. 20, 1949.

VENTO

For Non-Medicated Adhesive Tape and Adhesive Bandages for Orthopedic and Surgical Purposes.
Claims use since Aug. 12, 1949.

Ser. No. 591,147. Consolidated Dental Manufacturing Co. Inc., Brooklyn, N. Y. Filed Jan. 20, 1950.

PLATEENIUM

The drawing is lined for shading.
For Dental Alloys, Bridgework, Removable Casts for Holding Teeth To Restore Normal Function Thereof, Threaded Screws and Bars of Various Dimensions for Placement in Bone Fractures.
Claims use since Feb. 28, 1948.

Ser. No. 591,524. Standard Products Corporation, Whitman, Mass. Filed Jan. 26, 1950.

STYLE-QUEEN

For Portable Electric Hair Dryers.
Claims use since July 1, 1949.

Ser. No. 594,291. Standard Products Corporation, Whitman, Mass. Filed Mar. 20, 1950.

Handy-Hannaff

The word "Handy" is disclaimed.
For Electric Vibrators for Therapeutic Use.
Claims use since Nov. 1, 1949.

Ser. No. 596,237. Plasticast Models Company, Pittsburgh, Pa. Filed Apr. 24, 1950.

SILHOUETTE

For Ear Piece for Hearing Aid.
Claims use since June 16, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 510,691. Interstate Bakeries Corporation, doing business as Log Cabin Bread Co., Los Angeles, Calif., and Kansas City, Mo. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, Apr. 13, 1948.

Log Cabin

For Bread.
Claims use since July 9, 1922.

Ser. No. 538,119. Gold Medal Packing Corporation, Utica, N. Y. Filed Oct. 17, 1947.

Gold Medal

Applicant claims ownership of Registration No. 209,976.
For Meats and Meat Products—Namely, Hams, Bacons, Sausages, Frankfurters, Bolognas, Meat Loaves, and Lard.
Claims use since Feb. 1, 1924.

Ser. No. 544,609. Rabco, Inc., Memphis, Tenn. Filed Dec. 17, 1947.

RABCO BRAND

The word "Brand" is disclaimed.
For Vanilla Emulsion and Lemon Emulsion Used for Food Flavoring Purposes, Chocolate Used for Cooking and for Food Flavoring Purposes, Cocoa, Nut Topping, Macaroon Paste, and Almond Paste.
Claims use since June 1, 1947.

Ser. No. 547,421. Bercut-Richards Packing Company, Sacramento, Calif. Filed Jan. 19, 1948.

BAMBINO

For Canned Tomatoes.
Claims use since Jan. 5, 1942.

Ser. No. 563,243. Sebastian J. Davin, doing business under the trade name S. J. Davin, Indianapolis, Ind. Filed Aug. 12, 1948.

TO-MALT-O

The word "Malt" is disclaimed.
For Malt and Vegetable Concentrate Used as a Food Beverage or in the Preparation of a Food Beverage.
Claims use since July 15, 1948.

Ser. No. 565,391. James O. Welch Company, Cambridge, Mass. Filed Sept. 17, 1948.

Sugar Daddy

No claim is made to the word "Sugar." Applicant claims ownership of Registration No. 401,144.
For Candy Suckers.
Claims use since April 1936.

Ser. No. 569,628. Frank Lentini, doing business as Frank Lentini Oil Co., Brooklyn, N. Y. Filed Nov. 30, 1948.

Florence

For Mixture of Peanut Oil and Olive Oil.
Claims use since Nov. 1, 1948.

Ser. No. 570,508. Manley, Inc., Kansas City, Mo. Filed Dec. 14, 1948.

JUMBO

For Raw and Popped Popcorn.
Claims use since 1926.

Ser. No. 571,429. Gumakers of America, Inc., Clifton Heights, Pa. Filed Dec. 31, 1948.

VOCALETTES

For Chewing Gum.
Claims use since Mar. 1, 1948.

Ser. No. 572,700. Strathmore Packing House Co., Strathmore, Calif. Filed Jan. 24, 1949.

SCOTCH LASSIE JEAN

For Fresh Citrus Fruits.
Claims use since 1912.

Ser. No. 576,422. Herman Robbins, doing business as Robbins Roost, Schroon Lake, N. Y. Filed Mar. 31, 1949.

Robbins Roost
Home of the Famous
BRAND POULTRY

The surname "Robbins" and the wording "Home of the Famous Brand Poultry" are disclaimed.
For Dressed Poultry—Namely, Broilers, Hens, Fowls, and Turkeys.
Claims use since Mar. 8, 1949.

Ser. No. 580,786. The Illinois Canning Co., Hoopeston, Ill. Filed June 20, 1949.

VITA-MAID

Applicant claims ownership of Registration No. 344,458.
For Canned Vegetables.
Claims use since May 25, 1936.

Ser. No. 583,774. Processed Trout Foods, Inc., St. Ignatius, Mont. Filed Aug. 20, 1949.

Red-Gil

For Fish Food the Principal Ingredients of Which Are Raw Animal Meat and Blood, Cereals, and Gelatin, in Frozen Condition.
Claims use since May 25, 1949.

Ser. No. 585,102. Boneless Turkey, Inc., New York, N. Y. Filed Sept. 21, 1949.

MARTY SNYDER
BONELESS TURKEY INC.

The name "Marty Snyder" is the name of the president of the applicant corporation, consent filed.
For Roasted, Boneless, Processed Turkey Meat.
Claims use since Aug. 22, 1949.

585,320. Garrott Candy Company, St. Paul, Minn. Filed Sept. 26, 1949. (Sec. 2f.)

GARROTT

For Candies.
Claims use since 1909.

Ser. No. 586,101. Louis Milani Foods, Inc., Maywood, Calif. Filed Oct. 11, 1949.

DIAFOOD

For Pudding Desserts, Gelatin Desserts, Dressings for Salads, Jellies, Condensed Soups, and Dehydrated Soup Bases.
Claims use since August 1948.

Ser. No. 588,447. The Northwestern Elevator & Mill Co., Mount Vernon and Toledo, Ohio. Filed Nov. 28, 1949.

DIADEM

For Wheat Flour.
Claims use since June 12, 1912.

Ser. No. 588,448. The Northwestern Elevator & Mill Co., Mount Vernon and Toledo, Ohio. Filed Nov. 28, 1949.

PEGGY SNOW

The mark "Peggy Snow" is not the name of any particular living person.
For Wheat Flour.
Claims use since Jan. 1, 1934.

Ser. No. 590,563. Charles L. Schalk, Ketchum, Idaho. Filed Jan. 9, 1950.



No claim is made to the words "Schalk's Pickled Trout," and the representation of the fish.
For Pickled Trout.
Claims use since Sept. 10, 1949.

Ser. No. 591,891. Howard V. Bridgetts, Brooklyn, N. Y. Filed Aug. 8, 1949.

TREO

For Sundried and Salt-Cured Codfish Sold in Uncanned Condition.
Claims use since July 1945.

Ser. No. 593,616. Royal Barry-Carter Mills, Inc., Nashville, Tenn. Filed Mar. 8, 1950.

MARTHA WHITE

The name "Martha White" and the portrait is that of Martha White Lindsey, now deceased. Applicant claims ownership of Registration No. 192,721.
For Corn Meal.
Claims use since Nov. 21, 1902.

Ser. No. 593,802. Samuel Kaltman, doing business under the name and style of Mutual Spice Co., North Bergen, N. J. Filed Mar. 11, 1950.

COUNTRY Tavern

For Spices and Herbs—Namely, Pepper, Celery Salt, Onion Salt, Nutmeg, Garlic Salt, Parsley Flakes, Pickling Spice, Allspice, Celery Seed, Cloves, Parsley Salt, Anise Seed, Cinnamon, Paprika.
Claims use since June 8, 1934.

Ser. No. 594,141. Norris Inc., Atlanta, Ga. Filed Mar. 17, 1950.

EXQUISITE CANDIES

The word "Candies" is disclaimed. Applicant claims ownership of Registrations Nos. 138,842 and 534,905.
For Candy.
Claims use since January 1925.

Ser. No. 594,312. Fewel Bros. Packing Company, also doing business as Selma Packing Company, Fresno and Selma, Calif. Filed Mar. 21, 1950.

SUN BITS

The word "Bits" is disclaimed.
For Raisins.
Claims use since Oct. 13, 1949.

Ser. No. 594,950. Catz American Co., Inc., New York, N. Y. Filed Mar. 31, 1950.

Deep Blue

For Canned Lobster.
Claims use since May 15, 1947.

Ser. No. 594,992. Ravarino & Freschi, Inc., St. Louis, Mo. Filed Mar. 31, 1950.

SKROODLES

For Alimentary Paste.
Claims use since Dec. 1, 1949.

Ser. No. 595,267. Mars, Incorporated, Chicago, Ill. Filed Apr. 5, 1950.

MILKY WAY

Applicant claims ownership of Registrations Nos. 196,182, 298,139, 298,138, and 298,137.
For Ice Cream.
Claims use since Feb. 8, 1950.

Ser. No. 595,844. Minute Maid Corporation, New York, N. Y. Filed Apr. 17, 1950.



No claim is made to the representation of the goods.
For Frozen Concentrated Juices of Citrus Fruits.
Claims use since Dec. 2, 1948.

Ser. No. 595,845. Minute Maid Corporation, New York, N. Y. Filed Apr. 17, 1950.



For Frozen Concentrated Juices of Citrus Fruits.
Claims use since Dec. 2, 1948.

Ser. No. 595,846. Minute Maid Corporation, New York, N. Y. Filed Apr. 17, 1950.



No claim is made to the representation of the goods.
For Frozen Concentrated Juices of Citrus Fruits.
Claims use since Mar. 3, 1949.

Ser. No. 596,920. Hidalgo Packing Company, McAllen, Tex. Filed May 5, 1950.

Kitchen Parade

For Canned Pineapple, Canned Pineapple Juice for Food Purposes, and Frozen Vegetables.
Claims use since June 1949.

Ser. No. 597,039. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Apr. 22, 1950.

TROJAN

For Wheat Flour.
Claims use since Oct. 1, 1931.

Ser. No. 597,999. Buffalo Frosted Foods, Inc., Fredonia, N. Y. Filed May 24, 1950.

Luigi's

For Canned Tomato Paste.
Claims use since Apr. 1, 1949.

Ser. No. 598,462. Eskimo Pie Corporation, Bloomfield, N. J. Filed June 2, 1950.

ESKIMO

For Shredded Coconut.
Claims use since Oct. 15, 1949.

Ser. No. 598,553. A. S. Wilkin, Limited, Newcastle-on-Tyne, England. Filed June 3, 1950.

Greensleeves

Applicant claims ownership of British Registration No. 645,182, dated Feb. 22, 1946.
For Candles.

Ser. No. 598,802. Maurie Laskin, doing business as Best-west Produce Co., Chicago, Ill. Filed June 8, 1950.

"Gobble Gobble"

For Ready-to-Eat Boneless Roasted Turkey.
Claims use since Apr. 18, 1950.

Ser. No. 599,855. West Coast Pickle Co., Los Angeles, Calif. Filed June 27, 1950.

HEIRESS

For Pickles and Chili Peppers Packed in Glass.
Claims use since June 6, 1950.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 572,335. Sicks' Seattle Brewing & Malting Co., Seattle, Wash. Filed Jan. 17, 1949. (Sec. 2f as to "Sicks.")

Sicks'

Applicant claims ownership of Registrations Nos. 524,623 and 524,622.
For Beer.
Claims use since May 10, 1945, as shown; and since Dec. 14, 1939, as to "Sicks."

Ser. No. 594,082. Storz Brewing Company, Omaha, Nebr. Filed Mar. 16, 1950. (Sec. 2f.)

Storz

Applicant claims ownership of Registrations Nos. 333,001, 368,457, and 386,957.
For Beer.
Claims use since May 28, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 519,786. H. Wensel Tent & Duck Co., St. Louis, Mo. Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Principal Register, Oct. 27, 1947. (Sec. 2f.)

FARM TARP

The word "Tarp" is disclaimed apart from the mark.
For Tarpaulins.
Claims use since Mar. 14, 1947.

Ser. No. 545,573. Aircraft Owners and Pilots Association, Washington, D. C. Filed Dec. 27, 1947.



For Metal Tag Made of Sheet Brass To Be Attached to Automobile License Plates.
Claims use since May 31, 1939.

Ser. No. 546,379. Flexi-Mat Corporation, Chicago, Ill. Filed Jan. 7, 1948.

Flexi-Mat

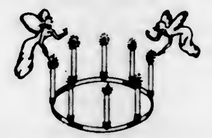
The word "Mat" is disclaimed.
For Noiseless and Waterproof Floor Mats for Floors or Wherever Found Desirable Preferably Made Up of a Plurality of Plies of Live Rubber Consisting of a Face Layer of Firm, Smooth Tile Rubber, a Thick Cushion of Resilient Cellular Rubber, the Plies Being Bonded Together With Self-Vulcanizing Latex, It Being Understood That the Plies May Be Made up of Equivalent or Similar Materials.
Claims use since Dec. 15, 1947.

Ser. No. 571,881. Weber Costello Co., Chicago Heights, Ill. Filed Jan. 8, 1949.

Alphacolor

For Art Materials—Namely, Textile Painting Sets, Said Textile Painting Sets Consisting of the Following Materials—Namely, Dry Pigments Also Known as Dry Tempera, Liquid Pigment Vehicle, Also Known as Textile Liquid, Liquid Thinner, and Stencil Paper.
Claims use since Mar. 27, 1939.

Ser. No. 580,329. F. H. Smith Manufacturing Company, Chicago, Ill. Filed June 11, 1949.



MAGIC RING

The representation of the goods is disclaimed.
For Decorative Candle Holder Comprising a Ring With Candle Holders Positioned Thereon and Candles Therefor.
Claims use since July 15, 1948.

Ser. No. 580,746. Relae Equipment Company, Dayton, Ohio. Filed June 18, 1949.

RELAE

For Merchandise Supporting Pallets.
Claims use since Apr. 8, 1949.

Ser. No. 597,045. Municipal Street Sign Co. Inc., Brooklyn, N. Y. Filed Mar. 23, 1950.

MUNICIPAL

Applicant claims ownership of Registration No. 309,000.
For Nonelectrical Street Names; Highway, Road Direction, Warning, and Traffic Regulation Signs.
Claims use since Oct. 1, 1922.

Ser. No. 598,558. National Automotive Fibres, Inc., Detroit, Mich., and Trenton, N. J. Filed May 29, 1950.

NAFTEX

For Sponge Rubber Carpet Underlay.
Claims use since Apr. 15, 1948.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 572,695. Samuel Sliber, doing business as Burnex Products Co., Newark, N. J. Filed Jan. 24, 1949.

BURNEX

Applicant claims ownership of Registration No. 219,161.
For Brushless Shaving Cream, Talcum Powder, Rouge, Lip Stick, and Face Powder.
Claims use since Oct. 3, 1920.

Ser. No. 579,687. La Gaine Scandale, Lyon (Rhone), France. Filed May 28, 1949.

GRIFFONNAGE

Applicant claims ownership of French Registration No. 25,203, dated Jan. 30, 1948.
For Perfumes.

Ser. No. 580,488. La Maur Products, Inc., Minneapolis, Minn. Filed June 15, 1949.

ion+

For Cold Wave Cream (Permanent Wave).
Claims use since May 5, 1948.

Ser. No. 582,795. Manuel Segura Viudas, Barcelona, Spain. Filed Aug. 1, 1949.

ONGLISTINA

Applicant claims ownership of Spanish Registration No. 154,603, dated May 6, 1946.
For Perfumes, Lipsticks, Rouge, Face Powder, Facial Make-Up, Cold Cream, Hand Lotion, Eau de Cologne, Toilet Waters, Brilliantine, Nail Polish, Deodorant Cream, Eye Shadow, Mascara, and a Cosmetic Preparation Used to Give Vigour and Hardness to the Nails.

Ser. No. 588,630. Morton Manufacturing Corp., doing business as Blair of Virginia, Lynchburg, Va. Filed Dec. 1, 1949. (Sec. 2f.)

Blair

Applicant claims ownership of Registrations Nos. 510,171, 277,623, and 501,890.
For Vanishing Cream, Cleansing Cream, Cold Cream, Lemon Cleansing Cream, Witch Hazel Cream, Perfumes, Creme Powder, Sachet Powder, All-Purpose Lotion, Hand Lotion, Hand Cream, Bath Crystals, Deodorant Cream, Cologne, Deodorant Cologne, Tooth Paste, Liquid Dentifrice, Brilliantine, Hair Dress Creme, Hair Tonic, Liquid Preparation Used in Setting Waves in the Hair, Shaving Cream, and Shaving Lotion.
Claims use since Jan. 1, 1949, as to the mark shown; and since 1909 as to "Blair" in association with some other word or words as in "Dr. Blair's," "Blair's" and "Blair of Virginia."

Ser. No. 590,120. Ar. Winarick, Inc., New York, N. Y. Filed Dec. 29, 1949.

HERPICIDE

Applicant claims ownership of Registrations Nos. 201,106 and 247,702.
For Hair Tonic.
Claims use since June 1, 1899.

Ser. No. 590,194. The Toni Company, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Filed Dec. 30, 1949.

PERMAFIX

For Neutralizer Powder for Use in Permanent Waving of Hair.
Claims use since June 25, 1949.

Ser. No. 594,769. Golden Peacock Co., Inc., Paris, Tenn. Filed Mar. 28, 1950.

ESOTÉRICA

For Toilet Cream.
Claims use since June 29, 1944.

Ser. No. 599,334. Alvin Miller, New York, N. Y. Filed June 17, 1950.

VEDETTE

For Perfumes and Colognes.
Claims use since June 6, 1950.

Ser. No. 599,402. Wedj Company, Brooklyn, N. Y. Filed June 19, 1950.

Wedj

For Cementitious Denture Holding Powder.
Claims use since Feb. 10, 1950.

Ser. No. 601,276. Pearson Pharmacal Company, Inc., New York, N. Y. Filed July 26, 1950.

"ENNDS"

For Anti-Perspirant, Cosmetic Cream, Lotion and Dentifrice.
Claims use since June 23, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 532,207. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Aug. 23, 1947. (Sec. 2f.)

BOWES SEAL FAST

Applicant claims ownership of Registrations Nos. 329,168, 236,271, 366,508, and 150,667.
For Liquid Rubber Solvent and Cleaner, and a Tire Side-Wall Cleaner Compound.
Claims use since Apr. 2, 1918.

Ser. No. 555,475. The Armand Company, Des Moines, Iowa. Filed Apr. 24, 1948.

Silhouette

Applicant claims ownership of Registration No. 223,895.
For Hand and Bath Soap.
Claims use since Mar. 19, 1948.

Ser. No. 555,479. The Armand Company, Des Moines, Iowa. Filed Apr. 24, 1948.

Symphonie

Applicant claims ownership of Registrations Nos. 277,473, 284,889, 304,999, and 326,940.
For Hand and Bath Soap.
Claims use since Mar. 19, 1948.

Ser. No. 572,753. Kor Corporation, Gary, Ind. Filed Jan. 25, 1949.

Soot Jinx

The word "Soot" is disclaimed.
For Comminuted Material for Disintegrating Soot, Carbon, Scale, and Slag Accumulations Which Accumulate in "Pot Type" Oil Burners.
Claims use since Nov. 26, 1948.

Ser. No. 574,963. Gold Par Products Co. Inc., New York, N. Y. Filed Mar. 5, 1949.

GLOWYTE

For Laundry Soaps and Alkali Compound Detergents for Laundrying.
Claims use since Jan. 7, 1949.

Ser. No. 578,050. St. Louis Janitor Supply Co., St. Louis, Mo. Filed Apr. 30, 1949.

DISH-GLO

The word "Dish" is disclaimed.
For Liquid Detergents, for Washing Dishes, Glasses, Pots, and Silverware.
Claims use since June 1942.

Ser. No. 578,966. Franklin Research Company, Philadelphia, Pa. Filed May 17, 1949.

SEALIT

For Cleaner for Tile, Marble, Terrazzo, and Non-Resilient Surfaces.
Claims use since May 14, 1934.

Ser. No. 579,763. Slater and Lloyd, San Francisco, Calif. Filed May 31, 1949.

BALANCED VISION

For Cleaning Preparation for Glass, Metal, Painted, Enameled, Tile, Stone, and Wood Surfaces, for Washing Fabrics, and for General Household Use.
Claims use since Oct. 6, 1948.

Ser. No. 588,910. Sugar Beet Products Company, Inc., Saginaw W. S., Mich. Filed Dec. 6, 1949.



For Skin Cleaning Composition.
Claims use since Dec. 1, 1940.

Ser. No. 592,457. The American Oil Company, Baltimore, Md. Filed Feb. 15, 1950.

AMOCO
PERMAFLUSH

Applicant claims ownership of Registrations Nos. 167,769, 392,391, and others.
For Flushing Oil for Automotive Parts.
Claims use since February 1940.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 577,120. The Hycalog Company, Shreveport, La. Filed Apr. 14, 1949. (Sec. 2f.)



The representation of the logging charts and the oil well are disclaimed.
For Well-Logging Services to the Oil and Gas Industry in Determining the Oil and Gas Content of the Earth's Subterranean Structures.
Claims use since Jan. 1, 1948.

Ser. No. 588,700. Charles Mooney, doing business under the name and style of Alamo Plaza Hotel Courts, Beaumont, Tex. Filed Dec. 2, 1949.

ALAMO PLAZA HOTEL COURTS

The words "Hotel Courts" are disclaimed.
For Lodgings in Tourist Courts.
Claims use since Mar. 1, 1938.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 542,991. The Thayer American Rug Cleaning Co., Cincinnati, Ohio. Filed Dec. 2, 1947. (Sec. 2f.)

THAYER-AMERICAN

For Cleaning, Repairing, Altering, Dyeing, Fringing, Sizing, and Re-Weaving of Rugs, Carpets, and Upholstered Furniture and the Cleaning of Venetian Blinds.
Claims use since July 1, 1913.

Ser. No. 543,686. Crest Dye Works, Inc., New York, N. Y. Filed Dec. 8, 1947.



The words "Dye Works, Inc.," "The Peak of Perfection" and the representation of the stocking are disclaimed.
For Pre-Boarding, Washing, Boarding, and Dyeing Hosiery.
Claims use since Sept. 8, 1947.

Ser. No. 572,027. Dixie Spindle & Flyer Company, Inc., Charlotte, N. C. Filed Jan. 12, 1949. (Sec. 2f.)

Guillet Overhauling System

The words "Overhauling System" are disclaimed.
For Leveling and Alining Textile Machinery Such as Spinning Frames, Fly Frames, Spoolers, Winders, and Twisters.
Claims use since Jan. 1, 1925.

Ser. No. 596,014. Commonwealth Sanitation Company, Pittsburgh, Pa. Filed Apr. 20, 1950.



The words "Sanitation Company" are disclaimed.
For Pest Control Service and Inspection—Namely, Inspection of Buildings and Business Establishments to Determine Pest Infested Areas and the Extermination of Such Pests by Use of Chemicals and Fumigants.
Claims use since 1939.

CLASS 104

COMMUNICATION

Ser. No. 561,162. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed July 10, 1948.

It's Tough To
Be Young

For Radio Program Broadcasting Services.
Claims use since July 2, 1947.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 590,871. Wiebolt Stores, Inc., Chicago, Ill. Filed Dec. 15, 1949.

Wondercare

For Fur Storage Service.
Claims use since May 1, 1940.

CLASS 106

MATERIAL TREATMENT

Ser. No. 542,991. The Thayer American Rug Cleaning Co., Cincinnati, Ohio. Filed Dec. 2, 1947. (Sec. 2f.) (Classified in Class 103.)

THAYER-AMERICAN

For Cleaning, Repairing, Altering, Dyeing, Fringing, Sizing, and Re-Weaving of Rugs, Carpets, and Upholstered Furniture and the Cleaning of Venetian Blinds.
Claims use since July 1, 1913.

Ser. No. 543,686. Crest Dye Works, Inc., New York, N. Y. Filed Dec. 8, 1947. (Classified in Class 103.)



The words "Dye Works, Inc.," "The Peak of Perfection" and the representation of the stocking are disclaimed.
For Pre-Boarding, Washing, Boarding, and Dyeing Hosiery.
Claims use since Sept. 8, 1947.

Ser. No. 590,739. Fair Lawn Finishing Company, Fair Lawn, N. J. Filed Jan. 12, 1950.



Applicant claims ownership of Registration No. 294,243.
For Scouring, Dyeing, Singeing, Heat Setting, Beaming, Embossing, Saponifying, Delustering, Waterproofing, Back Filling, Anti-Slip Finishing, Mildew Proofing, Anti-Static Finishing, Reframing, Printing, Sizing and Desizing, Bleaching, Perspiration Proofing, Resin Finish Applying, Creaseproofing, and Curing of Textile Fabrics in the Piece.
Claims use since Jan. 15, 1941.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 547,646. Jens Monefeldt, Park Ridge, Ill. Filed Jan. 21, 1948.

The GOLDEN
WHEEL

For Entertainment Services in the Form of an Acrobatic Act Performed in the Theater, Circus, and Other Places of Entertainment.
Claims use since Dec. 17, 1947.

Ser. No. 594,640. Wendell B. Hell, Seattle, Wash. Filed Mar. 25, 1950.

THE OLD BOAT PULLER

For Informational Services—Namely, Weather Reports, Market Reports, Notices to Mariners, News Flashes, Question-and-Answer Discussions, Mail Call, and Safety, Industrial, Personal and Inspirational Comments, for the Fishing Industry, Rendered Through the Medium of a Radio Broadcast Program on a Regular Broadcast Schedule.
Claims use since Dec. 27, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,433. Welding Fluxes. The Sight Feed Generator Company, West Alexandria, Ohio.
Filed Sept. 9, 1946, Serial No. 508,747. Published Dec. 26, 1950. Class 6.

444,434. Liquid Wax Compounds To Be Used To Polish and Cleanse Surfaces of Wood, Porcelain, and Enamel Whether the Surfaces Be Automobiles, Furniture, Stoves, Refrigerators, or the Like. Luxury Products Company, Burlington, Iowa.
Filed Dec. 4, 1946, Serial No. 513,666. Published Nov. 14, 1950. Class 4.

444,435. Building Insulation Material in Loose Form, and Composed of Ground Paper With Fireproofing Added. G. Milo Graham, doing business as Thermo-Fluf Insulation Company, Wichita, Kans.
Filed Apr. 28, 1947, Serial No. 521,447. Published Dec. 26, 1950. Class 12.

444,436. Tile for Covering Wall and Floor Surfaces. The Martin Tile Company, Kansas City, Mo.
Filed May 12, 1947, Serial No. 522,231. Published Dec. 26, 1950. Class 12.

444,437. Fabric Gloves. J. R. Beaton Co., Inc., New York, N. Y., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania.
Filed June 4, 1947, Serial No. 523,511. Published Dec. 5, 1950. Class 39.

444,438. Pneumatic Spray Guns. Eclipse Air Brush Co., Newark, N. J.
Filed June 18, 1947, Serial No. 524,387. Published Jan. 27, 1948. Class 23.

444,439. Infants' Shoes, Made of Leather and Fabric. Hahn Shoe Mfg. Co., Philadelphia, Pa.
Filed July 4, 1947, Serial No. 526,225. Published Dec. 19, 1950. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

539,143. Disc Harrows. Farm Tools, Inc., Mansfield, Ohio.
Original filed, act of 1905, Sept. 10, 1945; amended to application under act of 1946, Principal Register, Dec. 23, 1948, Serial No. 488,209. Published Nov. 14, 1950. Class 23.

539,144. Bakery Products, Specifically Cookies. National Biscuit Company, New York, N. Y.
Original filed, act of 1905, Apr. 12, 1946; amended to application under act of 1946, Principal Register, Feb. 21, 1948, Serial No. 500,117. Published Sept. 19, 1950. Class 46.

539,145. Canned Fish and Lobster. Bluewater Fisheries Limited, Saint John, New Brunswick, Canada.
Original filed, act of 1905, July 30, 1946; amended to application under act of 1946, Principal Register, Jan. 22, 1948, Serial No. 506,499. Published Nov. 7, 1950. Class 46.

539,146. Slips, Nightgowns, Corsets, Foundation Garments, Girdles, Brassières, Garter Belts, Drawers, Camisoles, and Petticoats. Sears, Roebuck and Co., Chicago, Ill.
Original filed, act of 1905, Nov. 15, 1946; amended to application under act of 1946, Principal Register, Nov. 14, 1950, Serial No. 512,710. Published Dec. 19, 1950. Class 39.

539,147. Blocks, Boards, and Other Shapes of Multicellular Expanded Synthetic Resinous Material for Construction Purposes. The Dow Chemical Company, Midland, Mich., a corporation of Michigan, now by merger The Dow Chemical Company, a corporation of Delaware.
Original filed, act of 1905, Dec. 16, 1946; amended to application under act of 1946, Principal Register, June 1, 1948, Serial No. 514,334. Published Dec. 19, 1950. Class 12.

539,148. Electrical Insulating Varnishes. Hockaday, Inc., Chicago, Ill.
Original filed, act of 1905, Jan. 10, 1947; amended to application under act of 1946, Principal Register, Apr. 2, 1948, Serial No. 515,560. Published Nov. 28, 1950. Class 21.

539,149. Identifying Labels Attached to Garments as a Part of the Laundering Process Thereof. Hac Products Corp., Buffalo, N. Y.
Original filed, act of 1905, Feb. 13, 1947; amended to application under act of 1946, Principal Register, June 19, 1950, Serial No. 517,416. Published Nov. 21, 1950. Class 24.

539,150. Carburetors. The Tillotson Manufacturing Company, Toledo, Ohio.
Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, June 18, 1948, Serial No. 519,425. Published Nov. 7, 1950. Class 23.

539,151. Perfumes. Nicky Chini, Milan, Italy.
Original filed, act of 1905, Apr. 1, 1947; amended to application under act of 1946, Principal Register, Nov. 12, 1947, Serial No. 519,924. Published Dec. 26, 1950. Class 51.

539,152. Non-Electric Household Pop Corn Poppers. The Metal Ware Corporation, Two Rivers, Wis.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 522,206. Published Dec. 19, 1950. Class 13.

539,153. Hand Operated Hamburger Patty Molding Machines. Holly Molding Devices, Inc., Chicago, Ill.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Feb. 14, 1948, Serial No. 524,462. Published Nov. 14, 1950. Class 23.

539,154. Hydraulically Operated Dump Bodies for Automotive Trucks and Hoists Mounted With Such Dump Bodies. Central Ohio Steel Products Company, doing business as The Galion Allsteel Body Company, Galion, Ohio.
Filed July 5, 1947, Serial No. 526,880. Published Nov. 14, 1950. Class 23.

539,155. Fabric Work Gloves. Good Luck Glove Company, Carbondale, Ill.
Filed July 19, 1947, Serial No. 528,922. Published Dec. 12, 1950. Class 39.

539,156. Tool Joints Employed in Coupling Together Sections of Drill Stem in Well Drilling. Hughes Tool Company, Houston, Tex.
Filed Aug. 11, 1947, Serial No. 531,039. Published Nov. 7, 1950. Class 23.

539,157. Misses' or Junior Misses' Underwear and Lingerie—Namely, Misses' or Junior Misses' Slips, Nightgowns, and Pajamas. Martha Maid Mfg. Co., Chicago, Ill.
Filed Aug. 29, 1947, Serial No. 532,849. Published June 15, 1948. Class 39.

539,158. Butter. Armour and Company, Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 533,834. Published Nov. 28, 1950. Class 46.

539,159. Unified Lubricating System for Use on Machine Plants Comprising a Lubricant Tank, Etc. Bowen Products Corporation, Ecorse, Mich.
Filed Sept. 16, 1947, Serial No. 534,596. Published Nov. 21, 1950. Class 23.

539,160. Braces, and Garters Made Wholly or in Part From Leather. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Sept. 26, 1947, Serial No. 535,843. Published Nov. 14, 1950. Class 39.

539,161. Electrically Driven Hoists. Manning, Maxwell & Moore, Inc., New York, N. Y.
Filed Oct. 11, 1947, Serial No. 537,602. Published Dec. 5, 1950. Class 21.

539,162. Meats and Meat Products—Namely, Ham, Pork Shoulder, Jellied Beef, Frankfurters, Pork Sausage, Bologna, Deluxe Loaf and Chorizos—Namely, Pork Sausages. H. H. Keim Company, Nampa, Idaho.
Filed Oct. 15, 1947, Serial No. 537,895. Published Dec. 5, 1950. Class 46.

539,163. Mop Wringer. Ideal Manufacturing Co., San Francisco, Calif.
Filed Oct. 17, 1947, Serial No. 538,143. Published Nov. 21, 1950. Class 23.

539,164. Power Transmission Units, Particularly Transmissions and Differentials. R. G. Letourneau, Inc., Stockton, Calif., and Peoria, Ill.
Filed Oct. 18, 1947, Serial No. 538,299. Published Nov. 14, 1950. Class 23.

539,165. Doughnuts and the Mix for Making Same. Krispy Kreme Doughnut Company, Winston-Salem, N. C.
Filed Oct. 30, 1947, Serial No. 539,529. Published Nov. 14, 1950. Class 46.

539,166. Bacon. Armour and Company, Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,144. Published Dec. 5, 1950. Class 46.

539,167. Deodorant To Be Applied to the Skin. Beauty Products, Ltd., Denver, Colo.
Filed Nov. 5, 1947, Serial No. 540,156. Published Dec. 19, 1950. Class 51.

539,168. Metal-Working Machinery and Tools Consisting of Automatic Machines, Etc. Hill-Clarke Machinery Company, Chicago, Ill.
Filed Aug. 5, 1947, Serial No. 540,357. Published Nov. 28, 1950. Class 23.

539,169. Equipment for Treating Sewage and Other Water-Borne Waste and Water—Namely, Aerator Units, Mixers for Use in Tanks, Sludge Collectors, Etc. Walker Process Equipment Inc., Aurora, Ill.
Filed Nov. 7, 1947, Serial No. 540,503. Published Nov. 21, 1950. Class 23.

539,170. Yellow Pine, Douglas Fir, and Western Hemlock Lumber. Edward Hines Lumber Co., Chicago, Ill.
Filed Nov. 14, 1947, Serial No. 541,141. Published Dec. 26, 1950. Class 12.

539,171. Edger Booster, an Accessory for Lens Edging Machines. Optical Devices, Incorporated, Joliet, Ill.
Filed Nov. 28, 1947, Serial No. 542,644. Published Nov. 14, 1950. Class 23.

539,172. Salt. International Salt Company, Scranton, Pa.
Filed Dec. 3, 1947, Serial No. 543,190. Published Oct. 24, 1950. Class 46.

539,173. Women's Underwear, Hosiery, Nightgowns, House Aprons, House-Coats, Bed Jackets, Headkerchiefs, Women's and Girls' Slips, Women's and Girls' Sport Jerseys and Sweaters, and Men's and Women's Leather and Fabric Gloves. Dutchess Textile & Hosiery Co., Westport, Conn.
Filed Dec. 11, 1947, Serial No. 544,070. Published June 28, 1949. Class 39.

539,174. Fresh Citrus Fruits. Victoria Avenue Citrus Association, Riverside, Calif.
Filed Dec. 16, 1947, Serial No. 544,488. Published Nov. 21, 1950. Class 46.

539,175. Fresh Citrus Fruits. Crafton Orange Growers Association, Mentone, Calif.
Filed Dec. 20, 1947, Serial No. 544,978. Published Oct. 10, 1950. Class 46.

539,176. Fresh Citrus Fruits. Crafton Orange Growers Association, Mentone, Calif.
Filed Dec. 20, 1947, Serial No. 544,979. Published Oct. 10, 1950. Class 46.

539,177. Railroad Locomotives, the Power Source of Which Is an Internal Combustion Engine. The Fate-Root-Heath Company, Plymouth, Ohio.
Filed Dec. 22, 1947, Serial No. 545,112. Published Nov. 21, 1950. Class 23.

539,178. Clothes Washing Machines and Parts Thereof, and Ironing Machines and Parts Thereof. The Apex Electrical Manufacturing Company, Cleveland, Ohio.
Filed Jan. 2, 1948, Serial No. 545,934. Published Nov. 14, 1950. Class 24.

539,179. Bacon, Frankfurters, Ham, and Pork Shoulder. Hygrade Food Products Corporation, New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,303. Published Nov. 7, 1950. Class 46.

539,180. Early June Peas, Cut Wax Beans, Cut Green Beans, Cream Style Golden Corn, Whole Kernel Corn. Lakeside Packing Company, Manitowoc, Wis.
Filed Jan. 13, 1948, Serial No. 546,852. Published Nov. 21, 1950. Class 46.

539,181. Canned Fruit Nectars for Food Purposes. Kulana Products Co., Honolulu, Territory of Hawaii.
Filed Jan. 14, 1948, Serial No. 547,006. Published Oct. 31, 1950. Class 46.

539,182. Candy. Specialty Candy Company, Baltimore, Md.
Filed Jan. 21, 1948, Serial No. 547,675. Published July 5, 1949. Class 46.

539,183. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Jan. 24, 1948, Serial No. 547,891. Published Oct. 31, 1950. Class 46.

539,184. Centrifugal Pumps for Pumping Liquid Containing Solids. Claude B. Schneible Company, Detroit, Mich.
Filed Jan. 31, 1948, Serial No. 548,534. Published Nov. 7, 1950. Class 23.

539,185. Cookie Mix. Flako Products Corporation, New Brunswick, N. J.
Filed Feb. 6, 1948, Serial No. 548,944. Published Nov. 7, 1950. Class 46.

539,186. Soft White Paste Paint Composed of Titanium and Zinc Oxides and Lead Carbonate. Edward Smith & Co., Inc., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 549,020. Published Dec. 12, 1950. Class 16.

539,187. Gas Engines, Oil Engines, Pumps and Compressors for Industrial Use. Cooper-Bessemer Corporation, Mount Vernon, Ohio.
Filed Feb. 7, 1948, Serial No. 549,053. Published Dec. 19, 1950. Class 23.

539,188. Coffee, Tea, Apple Butter, Fruit Preserves, Jelly, and Jam. Thomas Chandos Sharpe, doing business under the names Sharpe Coffee Co. and L & M Food Distributors, Jackson, Tenn.
Filed Feb. 12, 1948, Serial No. 549,585. Published Oct. 24, 1950. Class 46.

539,189. Synthetic Resinous Materials in the Form of Powders, Granules, Liquids, Solutions, Slabs, and Other Forms for Use in the Industrial Arts and Further Manufacture. Irvington Varnish and Insulator Company, Irvington, N. J.
Filed Mar. 1, 1948, Serial No. 550,924. Published Dec. 26, 1950. Class 6.

539,190. Laxative Pills. Romero Drug Company, San Antonio, Tex., assignor to Charles T. Johnson, San Antonio, Tex.
Filed Mar. 19, 1948, Serial No. 552,496. Published Nov. 28, 1950. Class 18.

539,191. Brake Shoe Bonding Kit Sold as a Unit Which Comprises Pressure Bands, Spreader Bars, Bench Pressure Tables, Heat-Resisting Mitts, Brake-Bond Oven, Chisel and Bench Grinder. Dura-Bond, Incorporated, Ann Arbor, Mich.
Filed Mar. 20, 1948, Serial No. 552,584. Published Nov. 28, 1950. Class 23.

539,192. Cheese. Food Fair Stores, Inc., Philadelphia, Pa.
Filed Mar. 22, 1948, Serial No. 552,647. Published Sept. 13, 1949. Class 46.

539,193. Fresh Eggs. Ralston Purina Company, St. Louis, Mo.
Filed Mar. 22, 1948, Serial No. 552,701. Published Nov. 7, 1950. Class 46.

539,194. Prepared, Mixed Feeds for Poultry and Livestock. Ralston Purina Company, St. Louis, Mo.
Filed Mar. 22, 1948, Serial No. 552,715. Published Oct. 17, 1950. Class 46.

539,195. Stapling Machines. The Heller Company, Cleveland, Ohio.
Filed Mar. 23, 1948, Serial No. 552,771. Published Sept. 19, 1950. Class 23.

539,196. Electric Visible and Audible Alarm Signaling Apparatus for Indicating Normal and Abnormal Conditions in Manufacturing Processes, Such as Temperature, Liquid Level, Speed, Load, Etc. Crouse-Hinds Company, Syracuse, N. Y.
Filed Mar. 24, 1948, Serial No. 552,845. Published Dec. 5, 1950. Class 21.

539,197. Lathes. Seneca Falls Machine Company, Seneca Falls, N. Y.
Filed Apr. 9, 1948, Serial No. 554,262. Published Nov. 14, 1950. Class 23.

539,198. Macaroni. The Creamette Company, Minneapolis, Minn.
Filed Apr. 17, 1948, Serial No. 554,863. Published Nov. 14, 1950. Class 46.

539,199. Fresh Citrus Fruits. The Porterville Citrus Association, Porterville, Calif.
Filed Apr. 19, 1948, Serial No. 555,012. Published Dec. 5, 1950. Class 46.

539,200. Kitchen Utensils Made of Aluminum Ware—Namely, Tea Kettles, Double Boilers, Combination Cookers, Sauce Pans, and Pots. W. T. Grant Company, New York, N. Y.
Filed Apr. 21, 1948, Serial No. 555,172. Published Dec. 19, 1950. Class 13.

539,201. Clothespins. The Forster Manufacturing Company, Inc., Farmington, Maine.
Filed Apr. 28, 1948, Serial No. 555,745. Published Mar. 7, 1950. Class 24.

539,202. Expectorant. Parke, Davis & Company, Detroit, Mich.
Filed Apr. 12, 1948, Ser. No. 555,791. Published May 17, 1949. Class 18.

539,203. Misses' and Women's Nightgowns and Slips. Juliana Lingerie, Inc., New York, N. Y.
Filed May 4, 1948, Serial No. 556,203. Published May 9, 1950. Class 39.

539,204. Hand-Operated Rotary Glass Washers. Oliver Davies, Inc., Racine, Wis.
Filed May 6, 1948, Serial No. 556,322. Published Nov. 21, 1950. Class 23.

539,205. Pocket Knives. Colonial Knife Company, Inc., Providence, R. I.
Filed May 7, 1948, Serial No. 556,417. Published Nov. 14, 1950. Class 23.

539,206. Electrical Supplies—Namely, Electric Switches, Plugs, Etc. United States Electric Mfg. Corp., New York, N. Y.
Filed May 12, 1948, Serial No. 556,933. Published Dec. 5, 1950. Class 21.

539,207. Return Line Vacuum Condensation Pump. Chicago Pump Company, Chicago, Ill.
Filed May 27, 1948, Serial No. 557,898. Published Nov. 21, 1950. Class 23.

539,208. Desiccating Apparatus for Drying Materials From the Frozen State—Namely, Drying Chambers of the Vacuum Type and Containing a Regenerable Chemical Desiccant. F. J. Stokes Machine Company, Philadelphia, Pa.
Filed June 1, 1948, Serial No. 558,256. Published Dec. 12, 1950. Class 23.

539,209. Desiccating Apparatus for Drying Materials, Etc. F. J. Stokes Machine Company, Philadelphia, Pa.
Filed June 1, 1948, Serial No. 558,257. Published Dec. 12, 1950. Class 23.

539,210. Electric Ultra-Violet Ray Lamp Fixture for Bactericidal Purpose and for Deodorizing Air in Warm Air Heating and Air Conditioning Systems. Roy C. Stove & Company, Chicago, Ill.
Filed June 5, 1948, Serial No. 558,602. Published Dec. 19, 1950. Class 21.

539,211. Boned, Cured, and Smoked Meat Products—Namely, Dried Beef and Smoked Pork Shoulders. Tobin Packing Co., Inc., Rochester and Albany, N. Y.
Filed June 10, 1948, Serial No. 558,970. Published Nov. 21, 1950. Class 46.

539,212. Hams, Bacon, Bologna Sausage, and Pork Sausage. Tobin Packing Co., Inc., Rochester and Albany, N. Y.
Filed June 10, 1948, Serial No. 558,971. Published Dec. 26, 1950. Class 46.

539,213. Ladies' Hosiery. C. W. Anderson, doing business as C. W. Anderson Hosiery Co., Clinton, S. C.
Filed June 16, 1948, Serial No. 559,267. Published Dec. 5, 1950. Class 39.

539,214. Fabrics in the Piece Composed of Cotton, Wool, Silk, Rayon, Nylon, Cellulose Acetate, Protein Fibers, or Mixtures Thereof. Crompton Company, West Warwick, R. I.
Filed June 2, 1948, Serial No. 559,789. Published Dec. 5, 1950. Class 42.

539,215. Home Permanent Waving Kit Consisting of Curlers, Cold Wave Waving Lotion, Etc. The Procter & Gamble Company, Cincinnati, Ohio.
Filed June 30, 1948, Serial No. 560,500. Published Dec. 12, 1950. Class 44.

539,216. Outer Shirts and Collars for Men and Boys. Commercial Shirt Corp., New York, N. Y.
Filed July 9, 1948, Serial No. 560,988. Published Nov. 14, 1950. Class 39.

539,217. Electric Room Heaters. Knapp-Monarch Company, St. Louis, Mo.
Filed July 12, 1948, Serial No. 561,194. Published Dec. 19, 1950. Class 21.

539,218. Wearing Apparel for Men and Boys—Namely, Sweaters, Jackets, Outer Wear Shirts, Bathing Suits, Swimming Trunks, Slacks, Sport Coats, and T-Shirts. The Puritan Knitting Mills, Inc., Altoona, Pa.
Filed July 16, 1948, Serial No. 561,589. Published Nov. 14, 1950. Class 39.

539,219. Cabinet Type Fire Hose Dryer Using Electrical Energy for Heating the Air and for Moving the Same. The Circul-Air Corporation, Detroit, Mich.
Filed Aug. 7, 1948, Serial No. 562,985. Published Dec. 5, 1950. Class 21.

539,220. Copying Machines for Profiling Grinding Wheels or for Profiling Cutting Tools of Metal and Parts Thereof and Fittings Therefor. Toolmasters Limited, Hillingdon Heath, England.
Filed Aug. 14, 1948, Serial No. 563,440. Published Nov. 21, 1950. Class 23.

539,221. Chocolate Coated Sherbet Bars. Isaly Dairy Company, Youngstown, Ohio.
Filed Aug. 24, 1948, Serial No. 563,935. CONCURRENT USE. Published Nov. 7, 1950. Class 46.

539,222. Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps. All-Steel Equipment Inc., Aurora, Ill.
Filed Aug. 28, 1948, Serial No. 564,310. Published Dec. 19, 1950. Class 13.

539,223. Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps. All-Steel Equipment Inc., Aurora, Ill.
Filed Aug. 28, 1948, Serial No. 564,313. Published Dec. 19, 1950. Class 13.

539,224. Hardware—Namely, Cover Plates for Metal Boxes, and Cable Clamps. All-Steel Equipment Inc., Aurora, Ill.
Filed Aug. 28, 1948, Serial No. 564,315. Published Dec. 19, 1950. Class 13.

539,225. Overdrive Transmissions. Truckstell Manufacturing Company, Cleveland, Ohio.
Filed Sept. 13, 1948, Serial No. 565,089. Published Nov. 7, 1950. Class 23.

539,226. Roller and Silent Chain Sprockets Made of Iron, Steel or Bronze; Etc. Illinois Gear & Machine Company, Chicago, Ill.
Filed Sept. 16, 1948, Serial No. 565,265. Published Dec. 5, 1950. Class 23.

539,227. Roller and Silent Chain Sprockets Made of Iron, Steel or Bronze; Etc. Illinois Gear & Machine Company, Chicago, Ill.
Filed Sept. 16, 1948, Serial No. 565,266. Published Dec. 5, 1950. Class 23.

539,228. Stirring Rod for Mixing Drinks. Lynton H. Robertson, New York, N. Y.
Filed Sept. 16, 1948, Serial No. 565,287. Published Nov. 7, 1950. Class 23.

539,229. Portable Power Belt Conveyors. The Rapids-Standard Company, Inc., Grand Rapids, Mich.
Filed Sept. 17, 1948, Serial No. 565,370. Published Nov. 14, 1950. Class 23.

539,230. Salad Oil. E. F. Drew & Co., Inc., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,545. Published Dec. 5, 1950. Class 46.

539,231. Canned Fish. S and P Sales Company, Seattle, Wash.
Filed Sept. 24, 1948, Serial No. 565,817. Published Nov. 21, 1950. Class 46.

539,232. Cookies. Mrs. Allison's Cookie Co., Inc., St. Louis, Mo.
Filed Sept. 30, 1948, Serial No. 566,113. Published Oct. 24, 1950. Class 46.

539,233. Denim Fabrics. J. P. Stevens & Co., Inc., New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,187. Published Dec. 5, 1950. Class 42.

539,234. Electrostatic Filters for Electrically Charging and Removing Particles From a Gaseous Stream. Air-Maze Corporation, Cleveland, Ohio.
Filed Oct. 6, 1948, Serial No. 566,488. Published Dec. 12, 1950. Class 21.

539,235. Stock Feed—Namely, Molasses Feed, and Sugar Cottonseed Feed. Tarkio Molasses Feed Co., Kansas City, Mo.
Filed Nov. 1, 1948, Serial No. 568,008. Published Oct. 24, 1950. Class 46.

539,236. Powder Used To Destroy Ants by Physical Contact or by Being Eaten. B. Heller & Company, Chicago, Ill.
Filed Nov. 15, 1948, Serial No. 568,793. Published Dec. 19, 1950. Class 6.

539,237. Hangers Comprising Hooks for the Support of Articles Suspended Thereon. H. B. Dodge and Company, Chicago, Ill., assignor to Charles Culver Shields, Lake Bluff, Ill.
Filed Nov. 26, 1948, Serial No. 569,438. Published Dec. 19, 1950. Class 13.

539,238. Trousers for Men and Boys. Perfect Trouser Co., Philadelphia, Pa.
Filed Nov. 27, 1948, Serial No. 569,531. Published Nov. 21, 1950. Class 39.

539,239. Tablets Containing Hormone Substances and Embodying a Special Base Suited for Buccal and Sublingual Administration. Schering Corporation, Bloomfield, N. J.
Filed Nov. 30, 1948, Serial No. 569,643. Published Dec. 19, 1950. Class 18.

539,240. Internal Combustion Engines for General Power Application, Etc. Continental Motors Corporation, Detroit and Muskegon, Mich.
Filed Dec. 3, 1948, Serial No. 569,817. Published Dec. 5, 1950. Class 23.

539,241. Industrial Blending and Mixing Machines as Distinguished From Household Mixers, Etc. B. F. Gump Co., Chicago, Ill.
Filed Dec. 18, 1948, Serial No. 570,776. Published Nov. 28, 1950. Class 23.

539,242. Hand-Operated Soil Fumigator Comprising a Receptacle for a Chemical and a Pumping Unit for Ejecting a Measured Amount of the Chemical Into the Soil, Built and Sold as a Unit. Neil A. Maclean Company, San Francisco, Calif.
Filed Dec. 21, 1948, Serial No. 570,903. Published Dec. 19, 1950. Class 23.

539,243. Electric Decorative Lighting Equipment—Namely, Christmas Lighting Outfits for Indoor and Outdoor Use, Electric Candelabra, Illuminated Wreaths and Sprays, and Illuminated Artificial Christmas Trees. The Gloilte Corporation, Chicago, Ill.
Filed Jan. 3, 1949, Serial No. 571,526. Published Dec. 5, 1950. Class 21.

539,244. Facial High Light Make-Up Base. Kiva Hoffman, Sherman Oaks, Calif., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine.
Filed Jan. 3, 1949, Serial No. 571,540. Published Dec. 19, 1950. Class 51.

539,245. Storage Batteries, Battery Cables, Automobile Fuses, Spark Plugs, and Radios. Phillips Petroleum Company, Bartlesville, Okla.
Filed Jan. 6, 1949, Serial No. 571,743. Published Dec. 5, 1950. Class 21.

539,246. Wood Novelties in the Form of Cocktail Picks, Drink Stirrers, Ice Cream Spoons, Mustard Paddles. George M. Payson, doing business as Adpix, Millis, Mass.
Filed Jan. 11, 1949, Serial No. 571,988. Published Nov. 14, 1950. Class 23.

539,247. CONSOLIDATED CERTIFICATE. The Lea Manufacturing Company, Waterbury, Conn.
Compounds for Buffing, Polishing, Burnishing and Finishing Metallic and Other Surfaces; Etc. Filed Jan. 19, 1949, Serial No. 572,434. Published June 27, 1950. Class 4.
Addition Agents Used as Brighteners in Electroplating Solutions; Etc. Filed Jan. 19, 1949, Serial No. 572,436. Published Sept. 19, 1950. Class 6.

539,248. Audio Frequency Electronic Amplifiers; Etc. Schulmerich Electronics, Incorporated, Sellersville, Pa.
Filed Jan. 19, 1949, Serial No. 572,455. Published Dec. 5, 1950. Class 21.

539,249. Candy—Namely, Fruit Puffs. Specialty Candy Company, Baltimore, Md.
Filed Jan. 25, 1949, Serial No. 572,777. Published Aug. 8, 1950. Class 46.

539,250. Electric Vacuum Cleaners. Bond Vacuum Stores, Inc., Washington, D. C.
Filed Jan. 26, 1949, Serial No. 572,828. Published Dec. 12, 1950. Class 21.

539,251. Resilient Sheet Used in Foundry Mold Apparatus Such as Core Boxes, Flasks and the Like. Eastern Clay Products, Inc., Jackson, Ohio.
Filed Jan. 28, 1949, Serial No. 572,956. Published Nov. 7, 1950. Class 23.

539,252. Agricultural Antiseptic and Inhibiting Agent for the Treatment of Potatoes During Storage to Inhibit Parasitic Attack or Sprouting Thereof. Sterling Drug Inc., New York, N. Y.
Filed Jan. 28, 1949, Serial No. 573,012. Published Dec. 19, 1950. Class 6.

539,253. Machines for Applying Electrical Terminals. Aircraft-Marine Products Inc., Harrisburg, Pa.
Filed Feb. 1, 1949, Serial No. 573,108. Published Nov. 21, 1950. Class 23.

539,254. Sleeping Robes and Hunting and Sporting Jackets for Men. Woods Manufacturing Company Limited, Montreal, Quebec, Canada, and Ogdensburg, N. Y.
Filed Feb. 3, 1949, Serial No. 573,282. Published Dec. 12, 1950. Class 39.

539,255. Hair Tonic. M. S. Chapell, West Orange, N. J.
Filed Feb. 5, 1949, Serial No. 573,357. Published Dec. 19, 1950. Class 51.

539,256. Hair Tonic and a Preparation for Setting Waves, Used in Dressing the Hair. The F. W. Fitch Company, Des Moines, Iowa, assignor to The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.
Filed Feb. 7, 1949, Serial No. 573,415. Published Nov. 7, 1950. Class 51.

539,257. Analgesic Antipyretic. R. G. Dunwody & Sons, Inc., Atlanta, Ga.
Filed Feb. 9, 1949, Serial No. 573,534. Published Dec. 26, 1950. Class 18.

539,258. Temporary Wrinkle Remover. Louis Napolitan, doing business as Lory Co., New York, N. Y.
Filed Feb. 9, 1949, Serial No. 573,561. Published Nov. 28, 1950. Class 51.

539,259. Tractors, Plows, Harrows, Mowers, Baling Machines, Sprayers, Cattle Chutes, Harvesters, Cultivators, Pumps, and Parts Thereof. Henry C. Whitworth, doing business as Whitworth Supply Company, Denver, Colo.
Filed Feb. 10, 1949, Serial No. 573,695. Published Nov. 28, 1950. Class 23.

539,260. Ironing Board Pads and Ironing Board Covers. Textile Mills Company, Chicago, Ill.
Filed Feb. 16, 1949, Serial No. 573,994. Published Dec. 12, 1950. Class 24.

539,261. Power Tools—Namely, Portable and Hand Manipulable Electric Drills, Etc. Albertson & Company, Inc., Sioux City, Iowa.
Filed Feb. 21, 1949, Serial No. 574,180. Published Aug. 29, 1950. Class 21.

539,262. Tube Forming Mills, Cut-Off Machines, Press-Type Cut-Off Machines, Automatic Flying Cut-Off Machines, Etc. The Yoder Company, Cleveland, Ohio.
Filed Feb. 23, 1949, Serial No. 574,400. Published Nov. 14, 1950. Class 23.

539,263. Face and Hand Creams, Etc. The May Department Stores Company, doing business under the name of Kaufmann Department Stores, St. Louis, Mo., and Pittsburgh, Pa.
Filed Mar. 1, 1949, Serial No. 574,716. Published Nov. 28, 1950. Class 51.

539,264. Saws Including Saw Blades and Handles. Rose Gringer, doing business as Ultra Manufacturing Co., New York, N. Y.
Filed Mar. 2, 1949, Serial No. 574,769. Published Nov. 14, 1950. Class 23.

539,265. Alkaline Primary Cells. Sprague Electric Company, North Adams, Mass.
Filed Mar. 2, 1949, Serial No. 574,794. Published Nov. 28, 1950. Class 21.

539,266. Softening Agent for Brushed Wool. Manufacture de Produits Speciaux Robert Levaux, Ingenieur & Cie, Breteuil-sur-Noye, France.
Filed Mar. 26, 1949, Serial No. 576,123. Published Dec. 19, 1950. Class 6.

539,267. Laundry Driers. Ald, Inc., Chicago, Ill.
Filed Mar. 29, 1949, Serial No. 576,245. Published Nov. 14, 1950. Class 24.

539,268. Vegetable Juice. Clifford and Gore, Inc., West Chester, Pa.
Filed Mar. 30, 1949, Serial No. 576,312. Published Nov. 14, 1950. Class 46.

539,269. Men's and Women's Hats and Caps. The Frank H. Lee Company, Danbury, Conn.
Filed Mar. 30, 1949, Serial No. 576,339. Published Nov. 14, 1950. Class 39.

539,270. Sweaters. Roosevelt Mills, Incorporated, Manchester, Conn.
Original filed, act of 1946, Supplemental Register, Mar. 31, 1949; amended to application, Principal Register, July 25, 1950, Serial No. 576,424. Published Dec. 12, 1950. Class 39.

539,271. Non-Electrical Solder Irons. Kemode Mfg. Co., Inc., New York, N. Y.
Filed Apr. 5, 1949, Serial No. 576,644. Published Nov. 7, 1950. Class 23.

539,272. Television Receiving Sets. Eagle Electronics, Inc., New York, N. Y.
Filed Apr. 12, 1949, Serial No. 576,962. Published Nov. 28, 1950. Class 21.

539,273. Fluorescent Lighting Fixtures and Parts Thereof. Day-Brite Lighting, Inc., St. Louis, Mo.
Filed Apr. 25, 1949, Serial No. 577,663. Published Dec. 19, 1950. Class 21.

539,274. Hand-Operated Machines and Appliances—Namely, Churns, Etc. Dazey Corporation, St. Louis, Mo.
Filed Apr. 30, 1949, Serial No. 578,009. Published Nov. 21, 1950. Class 23.

539,275. Ironing Board Pads and Ironing Board Covers. Textile Mills Company, Chicago, Ill.
Filed May 2, 1949, Serial No. 578,110. Published Nov. 14, 1950. Class 24.

539,276. Radio Receiving Sets, Television Receiving Sets, Etc. Mercantile Stores Company, Inc., Wilmington, Del.
Filed May 3, 1949, Serial No. 578,156. Published Nov. 28, 1950. Class 21.

539,277. Portable Fire Extinguishers. Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind.
Filed May 7, 1949, Serial No. 578,380. Published Nov. 14, 1950. Class 23.

539,278. Broiler for Electrically Cooking Ground Meat and Toasting Buns. Milroy Enterprises Inc., Middletown, Ohio.
Filed May 7, 1949, Serial No. 578,399. Published Dec. 5, 1950. Class 21.

539,279. Bottled Food Products—Namely, Creamed Herring Fillets and Herring Fillets in Wine Sauce. Vita Food Products, Inc., Chicago, Ill.
Filed May 7, 1949, Serial No. 578,426. Published Oct. 24, 1950. Class 46.

539,280. Diaper Pants. Zonite Products Corporation, New York, N. Y.
Filed May 7, 1949, Serial No. 578,430. Published Dec. 5, 1950. Class 39.

539,281. Liquid Preparation for Relief of Prickly Heat and Mosquito Bites. Ray Wasserman, Corpus Christi, Tex.
Filed May 9, 1949, Serial No. 578,472. Published Dec. 19, 1950. Class 18.

539,282. Electrical Portable Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed May 10, 1949, Serial No. 578,504. Published Dec. 12, 1950. Class 21.

539,283. Fur Coats. Mutation Mink Breeders Association, Elkhorn, Wis.
Filed May 12, 1949, Serial No. 578,698. Published Nov 14, 1950. Class 39.

539,284. Electric Motors. Oak Electric Motors, Inc., Burr Oak, Mich.
Filed May 14, 1949, Serial No. 578,886. Published Dec. 12, 1950. Class 21.

539,285. Hand Operated Fire Extinguishers and Parts Thereof. National Cylinder Gas Company, Chicago, Ill.
Filed May 18, 1949, Serial No. 579,047. Published Nov. 28, 1950. Class 23.

539,286. Flashlights. Micro-Lite Company, Inc., New York, N. Y.
Filed May 20, 1949, Serial No. 579,197. Published Dec. 19, 1950. Class 21.

539,287. Hand-Operated Glue Dispensing Machines for Use in Labeling. William E. Bader, doing business as Chief Mfg. Co., Omaha, Nebr.
Filed May 23, 1949, Serial No. 579,369. Published Nov. 7, 1950. Class 23.

539,288. Machetes. Chas. D. Briddell, Inc., Crisfield, Md.
Filed May 26, 1949, Serial No. 579,529. Published Nov. 14, 1950. Class 23.

539,289. Upholstery and Drapery Fabrics, Comprising Cotton, Rayon, Silk, Wool, and Combinations Thereof, Sold by the Piece or by the Yard. Nathan Cohen Upholstery & Drapery Fabrics, Inc., New York, N. Y.
Filed June 8, 1949, Serial No. 580,122. Published Dec. 5, 1950. Class 42.

539,290. Rodenticides. Velodent Products Manufacturing Co., Inc., New York, N. Y.
Filed June 8, 1949, Serial No. 580,159. Published Dec. 19, 1950. Class 6.

539,291. Sheets. Pacific Mills, Boston, Mass., and New York, N. Y.
Filed June 10, 1949, Serial No. 580,256. Published Dec. 5, 1950. Class 42.

539,292. Skin Cream. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed June 23, 1949, Serial No. 580,917. Published Dec. 19, 1950. Class 51.

539,293. Athletic Clothing—Namely, Baseball Uniforms, Baseball Pants, Basketball Uniforms, Etc. Malzone Sports, Inc., Union City, N. J.
Filed June 24, 1949, Serial No. 580,996. Published Nov. 14, 1950. Class 39.

539,294. Radio and Television Receiving Sets and Parts Thereof, and Radio and Electric Talking Machine Combinations and Parts Thereof. Zenith Radio Corporation, Chicago, Ill.
Filed June 28, 1949, Serial No. 581,230. Published Dec. 5, 1950. Class 21.

539,295. Electric Ranges. Philco Corporation, Philadelphia, Pa.
Filed June 30, 1949, Serial No. 581,353. Published Dec. 19, 1950. Class 21.

539,296. Hydraulic Brake Fluid. Wagner Electric Corporation, St. Louis, Mo.
Filed July 5, 1949, Serial No. 581,542. Published Dec. 26, 1950. Class 6.

539,297. Machine Tools—Namely, Threading Machines. The Lees-Bradner Company, Cleveland, Ohio.
Filed July 7, 1949, Serial No. 581,600. Published Nov. 7, 1950. Class 23.

539,298. Electrical Insulating Board for Use in Connection With Electrical Control Panels, Transformer Spacer Sticks, and Support Insulators of Various Types and Sizes. Laminated Plastics, Inc., East Cleveland, Ohio.
Filed July 8, 1949, Serial No. 581,670. Published Dec. 19, 1950. Class 21.

539,299. Pole Hole Diggers. Tel-E-Lect Products, Inc., Minneapolis, Minn.
Filed July 11, 1949, Serial No. 581,779. Published Nov. 7, 1950. Class 23.

539,300. Plastic Coated Fabric Used for Wall Coverings. United Wallpaper, Inc., Chicago, Ill.
Filed July 16, 1949, Serial No. 582,112. Published Dec. 5, 1950. Class 42.

539,301. Ironing Boards. Loroman Company, New York, N. Y.
Filed Aug. 9, 1949, Serial No. 583,209. Published Nov. 21, 1950. Class 24.

539,302. Medicinal Preparation for Intravenous Therapy of Acute Inflammatory Processes. Fritz Silten, doing business as Silbe H. O., Amsterdam, Netherlands.
Filed Aug. 10, 1949, Serial No. 583,298. Published Dec. 26, 1950. Class 18.

539,303. Butter, Whole Eggs, and Cheese. The Cudahy Packing Company, Chicago, Ill.
Filed Aug. 11, 1949, Serial No. 583,333. Published Nov. 21, 1950. Class 46.

539,304. Portable Hand Tools for the Insertion or Removal of Electric Light Bulbs. McGill Manufacturing Company, Inc., Valparaiso, Ind.
Filed Aug. 11, 1949, Serial No. 583,355. Published Nov. 14, 1950. Class 23.

539,305. Diaper Coverings. Donovan Enterprises, Incorporated, Saugatuck, Conn.
Filed Aug. 16, 1949, Serial No. 583,526. Published Nov. 28, 1950. Class 39.

539,306. Circuit Breakers, Shunts, Transformers, and Electric Capacitors. Sangamo Electric Company, Springfield, Ill.
Filed Aug. 16, 1949, Serial No. 583,550. Published Dec. 19, 1950. Class 21.

539,307. Hosiery. Reamstown Hosiery Mills, Inc., Mohnton, Pa.
Filed Aug. 24, 1949, Serial No. 583,947. Published Nov. 28, 1950. Class 39.

539,308. Canned Vegetables, Prepared Mustard and Mustard Bran, Canned Herring Roe, Peanut Butter, and Vinegar. Southgate Brokerage Co. Inc., doing business as Southgate Foods Co., Norfolk, Va.
Filed Aug. 26, 1949, Serial No. 584,086. Published Nov. 21, 1950. Class 46.

539,309. Fresh Citrus Fruits—Namely, Oranges, Grapefruits, and Tangerines. Nevins Fruit Co., Inc., Titusville, Fla.
Filed Aug. 27, 1949, Serial No. 584,147. Published Oct. 10, 1950. Class 46.

539,310. Medicine for Stimulation of the Central Nervous System, Etc. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Aug. 27, 1949, Serial No. 584,161. Published Dec. 19, 1950. Class 18.

539,311. Insulating Tapes, Varnished Cloth, Papers, Varnished Papers, Varnished Silk, Varnished Duck, and Varnished Canvas in Sheets and Rolls, All Used for Electrical Insulation. Standard Insulation Company, East Rutherford, N. J.
Filed Aug. 27, 1949, Serial No. 584,164. Published Dec. 12, 1950. Class 21.

539,312. Men's and Boys' Shirts. Mylan Manufacturing Co., Inc., New York, N. Y.
Filed Aug. 30, 1949, Serial No. 584,371. Published Nov. 21, 1950. Class 39.

539,313. Nylon Stockings. Rudolph Kellerman Inc., New York, N. Y.
Filed Sept. 2, 1949, Serial No. 584,402. Published Nov. 28, 1950. Class 39.

539,314. Hosiery. S. H. Kress and Company, New York, N. Y.
Filed Sept. 2, 1949, Serial No. 584,405. Published Nov. 28, 1950. Class 39.

539,315. Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Sept. 8, 1949, Serial No. 584,588. Published Nov. 28, 1950. Class 39.

539,316. Bandage Knives, Burn-Off Knives, Etc. Pioneer Tool Company, Inc., Bloomfield, N. J.
Filed Sept. 10, 1949, Serial No. 584,692. Published Nov. 7, 1950. Class 23.

539,317. Bandage Knives, Burn-Off Knives, Casing Knives, Etc. Pioneer Tool Company, Inc., Bloomfield, N. J.
Filed Sept. 10, 1949, Serial No. 584,693. Published Nov. 7, 1950. Class 23.

539,318. Canned Fruit Juices—Namely, Orange Juice, Orange and Grapefruit Juice, Etc. Bursley & Company, Inc., Fort Wayne, Ind.
Filed Sept. 14, 1949, Serial No. 584,798. Published Nov. 21, 1950. Class 46.

539,319. Knitted Sweaters for Ladies, Misses, and Children. Fleetwood Sportwear, Inc., New York, N. Y.
Filed Sept. 14, 1949, Serial No. 584,807. Published Dec. 5, 1950. Class 39.

539,320. Medicine for the Treatment of Anemia. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Sept. 17, 1949, Serial No. 584,997. Published Dec. 19, 1950. Class 18.

539,321. Butter, Fresh Eggs, and Cheese. Hygrade Food Products Corporation, New York, N. Y.
Filed Sept. 21, 1949, Serial No. 585,119. Published Nov. 14, 1950. Class 46.

539,322. Vertically Adjustable Depending Supports for Theatre and Studio Lights, Microphones, Amplifiers, Display Lighting, Incorporated, New York, N. Y.
Filed Sept. 22, 1949, Serial No. 585,158. Published Dec. 12, 1950. Class 21.

539,323. Hosiery. McLellan Stores Company, New York, N. Y.
Filed Sept. 22, 1949, Serial No. 585,179. Published Dec. 5, 1950. Class 39.

539,324. Women's Hats. B. C. Moore & Sons, Incorporated, Cheraw, S. C.
Filed Sept. 27, 1949, Serial No. 585,390. Published Nov. 14, 1950. Class 39.

539,325. Canned Crab Meat. C. T. Takahashi, doing business as C. T. Takahashi & Co., Seattle, Wash.
Filed Oct. 3, 1949, Serial No. 585,729. Published Dec. 5, 1950. Class 46.

539,326. Canned Fruits and Vegetables. The Kroger Co., Cincinnati, Ohio.
Filed Oct. 12, 1949, Serial No. 586,175. Published Oct. 17, 1950. Class 46.

539,327. Antihistamine Preparation Intended for Use in the Treatment of Various Allergic Conditions. Abbott Laboratories, North Chicago, Ill.
Filed Oct. 13, 1949, Serial No. 586,228. Published Dec. 19, 1950. Class 18.

539,328. Hair Pomade, Pressing Oil for the Hair, Cream Deodorant, and Bleach Cream. Exelento Medicine Company, Atlanta, Ga.
Filed Oct. 13, 1949, Serial No. 586,239. Published Nov. 28, 1950. Class 51.

539,329. Neckties. Fly-Ties, Inc., New York, N. Y.
Filed Oct. 14, 1949, Serial No. 586,272. Published Nov. 14, 1950. Class 39.

539,330. Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Combinations Thereof. Hego Fabrics, Inc., New York, N. Y.
Filed Oct. 14, 1949, Serial No. 586,279. Published July 18, 1950. Class 42.

539,331. Men's, Women's, and Children's Apparel—Namely, Swimming Suits, Etc. Jantzen Knitting Mills, Inc., Portland, Oreg.
Filed Oct. 17, 1949, Serial No. 586,413. Published Nov. 14, 1950. Class 39.

539,332. Nail Enamel, Lipsticks, Face Rouge, Face Powder, Liquid Make-Up, Face Make-Up, Cream Make-Up, Lotions. Revlon Products Corporation, New York, N. Y.
Filed Oct. 17, 1949, Serial No. 586,431. Published Dec. 26, 1950. Class 51.

539,333. Ladies', Misses', and Children's Hats. Goldstein Millinery Company, Chicago, Ill.
Filed Oct. 31, 1949, Serial No. 587,083. Published Nov. 14, 1950. Class 39.

539,334. Traveling Robe, Bath Robe, and Beach Robe. Royal Robes, Inc., New York, N. Y.
Filed Oct. 14, 1949, Serial No. 587,159. Published Nov. 14, 1950. Class 39.

539,335. Tablets for Use as a Vascular Protective and Lipotropic Agent. Schenley Laboratories, Inc., New York, N. Y.
Filed Nov. 4, 1949, Serial No. 587,358. Published Dec. 19, 1950. Class 18.

539,336. Outer Garments—Namely, Snowsuits and Stormcoats. Excel Garment Manufacturing Company, Minneapolis, Minn.
Filed Nov. 7, 1949, Serial No. 587,433. Published Dec. 5, 1950. Class 39.

539,337. Unitary Hand-Operated Sprayers, Etc. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Nov. 8, 1949, Serial No. 587,490. Published Dec. 5, 1950. Class 23.

539,338. Preparation for Estrogenic Replacement Therapy. Maltbie Laboratories, Inc., Newark, N. J., formerly The Maltbie Chemical Company.
Filed Nov. 8, 1949, Serial No. 587,495. Published Dec. 19, 1950. Class 18.

539,339. Canned Dog Food. Orleans Canning Company, Chicago, Ill.
Filed Nov. 8, 1949, Serial No. 587,498. Published Nov. 21, 1950. Class 46.

539,340. Ethically Sold Preparation for the Treatment of Arteriosclerosis. Vascular Pharmaceutical Company, Inc., Roslyn Heights, N. Y.
Filed Nov. 8, 1949, Serial No. 587,514. Published Dec. 26, 1950. Class 18.

539,341. Ethically Sold Preparation for the Regulation of Oxidative Metabolism. Vascular Pharmaceutical Company, Inc., Roslyn Heights, N. Y.
Filed Nov. 8, 1949, Serial No. 587,515. Published Dec. 19, 1950. Class 18.

539,342. Beverage Stirrers. Nu-Pro Corporation, Chicago, Ill.
Filed Nov. 12, 1949, Serial No. 587,692. Published Nov. 21, 1950. Class 23.

539,343. Canned Food Products—Namely, Cream Style White Sugar Corn, Etc. H. C. Bohack Co. Inc., Brooklyn, N. Y.
Filed Nov. 16, 1949, Serial No. 587,847. Published Nov. 21, 1950. Class 46.

539,344. Dog Food. Consolidated Products Company, Danville, Ill.
Filed Nov. 17, 1949, Serial No. 587,935. Published Oct. 24, 1950. Class 46.

539,345. Textile Carpets and Rugs. C. H. Masland & Sons, Carlisle, Pa.
Filed Nov. 19, 1949, Serial No. 588,101. Published Dec. 5, 1950. Class 42.

539,346. Fresh Fish, Frozen Fish, Canned Fish, Salted Fish, Smoked Fish, Fresh Shellfish, and Frozen Shellfish. The Atlantic Coast Fisheries Company, Boston, Mass.
Filed Nov. 22, 1949, Serial No. 588,155. Published Oct. 24, 1950. Class 46.

539,347. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Nov. 22, 1949, Serial No. 588,191. Published Dec. 5, 1950. Class 42.

539,348. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Nov. 22, 1949, Serial No. 588,192. Published Dec. 5, 1950. Class 42.

539,349. Frozen Foods—Namely, Frozen Clam Chowder, Frozen Fish Chowder, Frozen Scallops, Frozen Shrimp, and Frozen Ocean Squab (Dressed Blowfish). Beaver Brand Frozen Foods, Inc., New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,198. Published Oct. 24, 1950. Class 46.

539,350. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Nov. 25, 1949, Serial No. 588,336. Published Dec. 5, 1950. Class 42.

539,351. Toilet Water, Cologne, Perfume, Bath Powder, Sachet, and Face Cream. Parfums Blanchard, New York, N. Y.
Filed Nov. 26, 1949, Serial No. 588,382. Published Nov. 28, 1950. Class 51.

539,352. Fresh Citrus Fruits. San Fernando Heights Lemon Association, Los Angeles and San Fernando, Calif.
Filed Nov. 26, 1949, Serial No. 588,389. Published Oct. 24, 1950. Class 46.

539,353. Textile Carpeting and Rugs. Wieboldt Stores, Inc., Chicago, Ill.
Filed Nov. 26, 1949, Serial No. 588,415. Published Dec. 5, 1950. Class 42.

539,354. Barber Shears and Shears for General Household Use and for Tailor, Buttonhole, Embroidery, and Pinking Scissors, and Scissors for General Household Use. Francis M. Mitchell, doing business under the assumed name of Marvel Shear Manufacturing Co., Portland, Oreg.
Filed Nov. 28, 1949, Serial No. 588,445. Published Dec. 5, 1950. Class 23.

539,355. Electric Lamp and Bracket Assembly for Illuminating the Indicator Dial of Automatic Vehicle Transmissions. S & M Products, Des Moines, Iowa.
Filed Nov. 28, 1949, Serial No. 588,455. Published Dec. 5, 1950. Class 21.

539,356. Non-Self-Mensuring Pumps, Valves, Fittings, and Liquid Handling and Treating Equipment and Systems for Chemical and Other Industrial Operations, Sold as a Unit, and Parts Thereof. E. C. Schleyer Pump Company, Inc., Anderson, Ind.
Filed Nov. 29, 1949, Serial No. 588,521. Published Nov. 21, 1950. Class 23.

539,357. High Protein Supplement in Dry Form for Therapeutic Purposes. The Wander Company, Chicago, Ill.
Filed Nov. 30, 1949, Serial No. 588,612. Published Dec. 19, 1950. Class 18.

539,358. Coconut, Corn Meal, Cracker Meal, Baking Powder, Etc. American Stores Company, Philadelphia, Pa.
Filed Dec. 1, 1949, Serial No. 588,619. Published Oct. 24, 1950. Class 46.

539,359. Preparation for the Treatment of Coughs. Kenneth G. Mace, doing business under the name and style of Mace Laboratories, Neenah, Wis.
Filed Dec. 2, 1949, Serial No. 588,695. Published Dec. 26, 1950. Class 18.

539,360. Gloves Made of a Combination of Leather and Fabric. The Schafer Company, Inc., Decatur, Ind.
Filed Dec. 3, 1949, Serial No. 588,773. Published Dec. 19, 1950. Class 39.

539,361. Textile Fabrics of Cotton, Wool, and Synthetic Fibers. Indian River Fabrics, Inc., Marietta, Ga.
Filed Dec. 5, 1949, Serial No. 588,802. Published Dec. 5, 1950. Class 42.

539,362. Canned Abalone. Ow Yang Look, doing business as Quong Sang Chong Co., San Francisco, Calif.
Filed Dec. 5, 1949, Serial No. 588,808. Published Oct. 24, 1950. Class 46.

539,363. Piece Goods of Nylon, Rayon, and Combinations of Nylon and Rayon. Fabric Prints, Inc., New York, N. Y.
Filed Dec. 8, 1949, Serial No. 589,013. Published Dec. 5, 1950. Class 42.

539,364. Piece Goods of Rayon, Nylon, and Combinations of Rayon and Nylon. Fabric Prints, Inc., New York, N. Y.
Filed Dec. 8, 1949, Serial No. 589,014. Published Dec. 5, 1950. Class 42.

539,365. Piece Goods of Nylon, Rayon, and Combinations of Nylon and Rayon. Fabric Prints, Inc., New York, N. Y.
Filed Dec. 8, 1949, Serial No. 589,015. Published Dec. 5, 1950. Class 42.

539,366. Medicinal Preparation Adapted for Administration Under Prescription in the Treatment of Obesity. E. K. Cook & Co., Inc., Washington, D. C.
Filed Dec. 9, 1949, Serial No. 589,075. Published Dec. 19, 1950. Class 18.

539,367. Press Plates and Pads for Pressing Clothes. Davis Specialties Incorporated, Chicago, Ill.
Filed Dec. 9, 1949, Serial No. 589,076. Published Nov. 14, 1950. Class 24.

539,368. Fresh Vegetables. Western Vegetable Distributors, Inc., Denver, Colo.
Filed Dec. 12, 1949, Serial No. 589,231. Published Oct. 24, 1950. Class 46.

539,369. Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Dec. 13, 1949, Serial No. 589,256. Published Dec. 5, 1950. Class 42.

539,370. Piece Goods (Including Corduroy) of Cotton, Wool, Rayon, and Mixtures Thereof. Charles Bernstein & Son, doing business as Bernside Mills, New York, N. Y.
Filed Dec. 16, 1949, Serial No. 589,418. Published Dec. 5, 1950. Class 42.

539,371. Perfumes, Colognes, and Toilet Water. Stella R. Wise, New York, N. Y.
Filed Dec. 16, 1949, Serial No. 589,490. Published Nov. 28, 1950. Class 51.

539,372. Anti-Histamine Tablets Containing Pyranisamine Maleate for the Relief of Colds and Hay Fever. Manhattan Drug Company, Brooklyn, N. Y.
Filed Dec. 17, 1949, Serial No. 589,518. Published Dec. 19, 1950. Class 18.

539,373. Dry Cleaning Composition. The Cellowax Company, also trading under the name of The Cellowax Co., Baltimore, Md.
Filed Dec. 19, 1949, Serial No. 589,560. Published Dec. 26, 1950. Class 52.

539,374. Feed for Swine, Poultry, and Turkeys. Hubbard Milling Company, Mankato, Minn.
Filed Dec. 21, 1949, Serial No. 589,722. Published Oct. 24, 1950. Class 46.

539,375. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Dec. 24, 1949, Serial No. 589,925. Published Dec. 5, 1950. Class 42.

539,376. Ladies' Hats. Walter K. Marks, Inc., New York, N. Y.
Filed Dec. 28, 1949, Serial No. 590,026. Published Nov. 14, 1950. Class 39.

539,377. Hand Operated Weavers' Knotters. A. B. Carter, Incorporated, doing business as Mill Devices Co., Gastonia, N. C.
Filed Dec. 30, 1949, Serial No. 590,139. Published Dec. 19, 1950. Class 23.

539,378. Medicinal Preparation Used for Treatment of a Cold. The New England Industries, Inc., New York, N. Y.
Filed Dec. 30, 1949, Serial No. 590,178. Published Dec. 26, 1950. Class 18.

539,379. Power Shovels; Revolving Power Shovels; Etc. Link-Belt Speeder Corporation, Cedar Rapids, Iowa.
Filed Jan. 6, 1950, Serial No. 590,446. Published Nov. 21, 1950. Class 23.

539,380. Cutlery—Namely, Furriers' Knives. Westpfal Cutlery Co., New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,472. Published Nov. 28, 1950. Class 23.

539,381. Men's, Women's, Boys', and Girls' Slacks. Jack Winter, Inc., Milwaukee, Wis.
Filed Jan. 7, 1950, Serial No. 590,537. Published Nov. 14, 1950. Class 39.

539,382. Food for Tropical Fish. Nathan Abramowitz, Brooklyn, N. Y.
Filed Jan. 12, 1950, Serial No. 590,727. Published Nov. 28, 1950. Class 46.

539,383. Fresh Deciduous Fruits, Fresh Grapes, and Fresh Vegetables. T. Apkarian & Sons, Reedley, Calif.
Filed Jan. 13, 1950, Serial No. 590,791. Published Nov. 28, 1950. Class 46.

539,384. Multivitamin and Mineral Product Used as a General Dietary Supplement. Joseph L. Jones, doing business as Food and Nutrition Company of America, Los Angeles, Calif.
Filed Jan. 13, 1950, Serial No. 590,813. Published Dec. 19, 1950. Class 18.

539,385. Cotton, Linen, Rayon, Silk, and Wool Textile Fabrics. Merit Textile Fabrics Inc., New York, N. Y.
Filed Jan. 16, 1950, Serial No. 590,938. Published Dec. 5, 1950. Class 42.

539,386. Carpet Sweepers of the Mechanical Type. E. R. Wagner Manufacturing Company, Milwaukee, Wis.
Filed Jan. 17, 1950, Serial No. 591,003. Published Dec. 5, 1950. Class 23.

539,387. Shaving Soap. Rolls-Razor, Inc., New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,048. Published Nov. 28, 1950. Class 51.

539,388. Fresh Lettuce, Carrots, Broccoli, Cauliflower, and Honeydew Melons. L. T. Malone, doing business as L. T. Malone Company, Phoenix, Ariz.
Filed Jan. 20, 1950, Serial No. 591,175. Published Dec. 5, 1950. Class 46.

539,389. Textile Fabrics in the Piece, of Cotton, Rayon, and Silk, and Vellings, Nettings, and Lace Piece Goods. Oppenheim & Baruch, Inc., New York, N. Y.
Filed Jan. 20, 1950, Serial No. 591,185. Published Dec. 5, 1950. Class 42.

539,390. Corduroy Piece Goods. Schein Woolen Corp., New York, N. Y.
Filed Jan. 21, 1950, Serial No. 591,256. Published Dec. 5, 1950. Class 42.

539,391. Wire Cable for Conducting Electric Current and Connectors and Clamps Designed for Use With Such Cable. The Lincoln Electric Company, Cleveland, Ohio.
Filed Jan. 26, 1950, Serial No. 591,498. Published Nov. 28, 1950. Class 21.

539,392. Electric Storage Batteries and Flashlights. Belknap Hardware and Manufacturing Company, Louisville, Ky.
Filed Jan. 27, 1950, Serial No. 591,549. Published Dec. 5, 1950. Class 21.

539,393. Adenosine Triphosphate Used for Medicinal Purposes. Armour and Company, doing business under the trade style The Armour Laboratories, Chicago, Ill.
Filed Jan. 28, 1950, Serial No. 591,605. Published Dec. 19, 1950. Class 18.

539,394. Medicinal Preparation for Use in the Treatment of Threatened Abortion, Habitual Abortion, and Premature Labor. Grant Chemical Co., Inc., New York, N. Y.
Filed Jan. 28, 1950, Serial No. 591,618. Published Dec. 19, 1950. Class 18.

539,395. Razor Blades for Safety Razors. Jerry P. Lealey, doing business as Cleo Razor Blade Co., Easley, S. C.
Filed Jan. 31, 1950, Serial No. 591,887. Published Nov. 28, 1950. Class 23.

539,396. Hosiery. Wayne Knitting Mills, Fort Wayne, Ind.
Filed Feb. 3, 1950, Serial No. 591,969. Published Dec. 5, 1950. Class 39.

539,397. Ladies' Shirts and Blouses, Except Middy Blouses. Loomtogs, Inc., New York, N. Y.
Filed Feb. 9, 1950, Serial No. 592,213. Published Dec. 19, 1950. Class 39.

539,398. Mechanical Agricultural Spraying Machinery. Russell A. Frahm, doing business under the name "G-O Company," St. Louis, Mo.
Filed Feb. 13, 1950, Serial No. 592,367. Published Nov. 7, 1950. Class 23.

539,399. Ladies' Hosiery—Namely, Stockings. Ellen Troy, New York, N. Y.
Filed Feb. 15, 1950, Serial No. 592,529. Published Dec. 5, 1950. Class 39.

539,400. Preparation for the Relief of Colds. Frank P. Wood, doing business as Wood Chemical Company, Jacksonville, Fla.
Filed Feb. 15, 1950, Serial No. 592,532. Published Dec. 26, 1950. Class 18.

539,401. Guides, Pulleys, Eyes, Pigtails, Buttons, Rings, Tensions or Steps Made of Ceramic Material, Etc. Page-Madden Company, Inc., Mineola, N. Y.
Filed Feb. 21, 1950, Serial No. 592,833. Published Nov. 7, 1950. Class 23.

539,402. Air Sanitizing Apparatus Comprising a Cabinet Containing Ultra-Violet Germicidal Tubes and Reflectors. American Health Air Systems, Incorporated, New Haven, Conn.
Filed Feb. 25, 1950, Serial No. 593,045. Published Dec. 5, 1950. Class 21.

539,403. Machine Tools. Kearney & Trecker Corporation, West Allis, Wis.
Filed Mar. 3, 1950, Serial No. 593,515. Published Nov. 14, 1950. Class 23.

539,404. Machine Tools. Kearney & Trecker Corporation, West Allis, Wis.
Filed Mar. 3, 1950, Serial No. 593,516. Published Nov. 14, 1950. Class 23.

539,405. Phonograph Records Having Recorded Thereon Synthetic Sounds, Etc. Christian A. Volf, Beverly Hills, Calif.
Filed Mar. 8, 1950, Serial No. 593,622. Published Dec. 26, 1950. Class 36.

539,406. Anticonvulsant Agent Intended for Use in the Treatment of Certain Epileptic Manifestations. Abbott Laboratories, North Chicago, Ill.
Filed Mar. 9, 1950, Serial No. 593,642. Published Dec. 19, 1950. Class 18.

539,407. Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Mar. 9, 1950, Serial No. 593,692. Published Dec. 19, 1950. Class 18.

539,408. Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Mar. 9, 1950, Serial No. 593,693. Published Dec. 19, 1950. Class 18.

539,409. Fuses and Receptacles Therefor for Use in High Voltage Circuits. Economy Fuse and Manufacturing Company, Chicago, Ill., assignor, by mesne assignments, to Economy Fuse and Manufacturing Co.
Filed Mar. 11, 1950, Serial No. 593,791. Published Dec. 5, 1950. Class 21.

539,410. Storage Batteries. Standard Electric Company, Inc., San Antonio, Tex.
Filed Mar. 14, 1950, Serial No. 593,941. Published Nov. 28, 1950. Class 21.

539,411. High Voltage Power Line Switches. W. N. Matthews Corporation, St. Louis, Mo.
Filed Mar. 18, 1950, Serial No. 594,228. Published Dec. 5, 1950. Class 21.

539,412. Folding Ironing Tables. Saginaw Manufacturing Co., Saginaw, Mich.
Filed Mar. 18, 1950, Serial No. 594,235. Published Dec. 5, 1950. Class 24.

539,413. Sewing Machines, Sewing-Machine Heads, and Sewing Machine Parts and Accessories. Roman Raichert Company, Inc., Chicago, Ill.
Filed Mar. 21, 1950, Serial No. 594,334. Published Nov. 28, 1950. Class 23.

539,414. Bare and Insulated Electric Wire and Cable. Kennecott Wire and Cable Company, Phillipsdale, R. I.
Filed Mar. 23, 1950, Serial No. 594,473. Published Dec. 19, 1950. Class 21.

539,415. Wire Brushes Forming Parts of Industrial Machines, Brushes Made From Wire for Mounting Upon Shafting, Etc. The Osborn Manufacturing Company, Cleveland, Ohio.
Filed Mar. 25, 1950, Serial No. 594,656. Published Dec. 5, 1950. Class 23.

539,416. Cutting-Off Tools, Threading Tools, and Toolholders for the Said Tools for Use on Lathes, Automatic Machines, and the Like. John M. Luers, Mount Clemens, Mich.
Filed Mar. 27, 1950, Serial No. 594,719. Published Nov. 21, 1950. Class 23.

539,417. Medicinal Preparation in Tablet Form To Be Taken Orally for the Treatment of Tuberculosis. Dr. A. Wander, S. A., Bern, Switzerland.
Filed Mar. 28, 1950, Serial No. 594,820. Published Dec. 26, 1950. Class 18.

539,418. Medicinal Preparation for Coughs, Colds, Grippe, Asthma, Laryngitis, Sore Throat, and Lung Congestions. Caroline V. Spencer, doing business under the name Spencer Laboratories, Shelby, Mont.
Filed Mar. 29, 1950, Serial No. 594,861. Published Dec. 26, 1950. Class 18.

539,419. Vehicle Direction Signal Switches. Signal-Stat Corporation, Brooklyn, N. Y.
Filed Mar. 30, 1950 Serial No. 594,922. Published Dec. 19, 1950. Class 21.

539,420. Electric Ranges, Electric Water-Heaters, Electric Space-Heaters, and Electric Circulator Air-Heaters. Phillips & Buttorff Mfg. Co., Nashville, Tenn.
Filed Apr. 3, 1950, Serial No. 595,149. Published Dec. 12, 1950. Class 21.

539,421. Electrical Down Indicators for Football Games. William F. Musch, Hamilton, Ohio.
Filed Apr. 5, 1950, Serial No. 595,273. Published Dec. 12, 1950. Class 21.

539,422. Faucets and Valves Designed for Use in Kitchen Sinks, and the Like. Hotpoint Inc., Chicago, Ill.
Filed Apr. 6, 1950, Serial No. 595,321. Published Dec. 19, 1950. Class 13.

539,423. Oscillating Couplings for Sanders, Grinders, and Rotary Polishers and Back Pads Therefor. Flexentrik Co., San Francisco, Calif.
Filed Apr. 7, 1950, Serial No. 595,372. Published Nov. 28, 1950. Class 23.

539,424. Automatic Electric Water Heaters. National Steel Construction Co., Seattle, Wash.
Filed Apr. 11, 1950, Serial No. 595,548. Published Dec. 12, 1950. Class 21.

539,425. Electric Toasters. Sunbeam Corporation, Chicago, Ill.
Filed Apr. 13, 1950, Serial No. 595,691. Published Dec. 19, 1950. Class 21.

539,426. Sewing Machines. Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,828. Published Nov. 21, 1950. Class 23.

539,427. Files. Heller Brothers Company, Newark, N. J.
Filed Apr. 19, 1950, Serial No. 595,955. Published Nov. 28, 1950. Class 23.

539,428. Trowels. Heller Brothers Company, Newark, N. J.
Filed Apr. 19, 1950, Serial No. 595,956. Published Dec. 12, 1950. Class 23.

539,429. Regulating Electric Switch for Electric Cookers and Hotplates. Sunvic Controls Limited, London and Strand, London, England.
Filed Apr. 26, 1950, Serial No. 596,368. Published Dec. 19, 1950. Class 21.

539,430. Electrical Resistors. Continental Carbon, Inc., Cleveland, Ohio.
Filed Apr. 28, 1950, Serial No. 596,484. Published Dec. 12, 1950. Class 21.

539,431. Wrenches. J. H. Williams & Co., Buffalo, N. Y.
Filed May 3, 1950, Serial No. 596,819. Published Nov. 21, 1950. Class 23.

539,432. Leather and Comparable Straps for Textile Machinery, the Foregoing Being Finished Articles. Southern Belting Company, Atlanta, Ga.
Filed May 4, 1950, Serial No. 596,875. Published Oct. 24, 1950. Class 23.

539,433. Radio and Television Receivers and Fixed and Variable Capacitors for Radio and Television Receivers. Arco Electronics, Inc., New York, N. Y.
Filed May 8, 1950, Serial No. 597,055. Published Dec. 19, 1950. Class 21.

539,434. Piece Goods Woven From All Nylon Yarns. J. Rosenholz, Inc., New York, N. Y.
Filed May 24, 1950, Serial No. 598,040. Published Dec. 5, 1950. Class 42.

539,435. Baby Chicks. May Seed & Nursery Co., doing business as Earl May Seed Co., Shenandoah, Iowa.
Filed June 7, 1950, Serial No. 598,738. Published Dec. 5, 1950. Class 1.

Service Marks

539,436. Reweaving and Restoration of Damaged or Irregular Fabrics. Weave Masters Incorporated, Cincinnati, Ohio, assignee of Weave Masters.
Filed July 5, 1947, Serial No. 527,396. Published Dec. 26, 1950. Class 103.

539,437. Treating Woolen or Worsted Yarn, in That Form or Prior to Spinning To Increase Resistance to Felting and Felting-Shrinkage. Alrose Chemical Company, Cranston and Providence, R. I.
Filed Aug. 25, 1947, Serial No. 532,261. Published Dec. 26, 1950. Class 106.

539,438. Advertising and Entertainment Services Through the Medium of a Radio Program in the Nature of Interviews With Couples, Who Have Been Married 50 Years or More. Charles R. Williams, Huntsville, Ala.
Filed Sept. 25, 1947, Serial No. 535,776. Published Dec. 26, 1950. Class 101.

539,439. Engineering Services in Aircraft, Commercial, and Industrial Fields, Etc. The Garrett Corporation, Los Angeles, Calif.
Filed May 3, 1948, Serial No. 556,095. Published Dec. 26, 1950. Class 103.

539,440. Consulting, Advisory and Supervisory Services Rendered to Retail Jewelers in Connection With Purchasing, Etc. Diamond Council of America, New York, N. Y.
Filed Apr. 2, 1949, Serial No. 576,527. Published Dec. 26, 1950. Class 100.

539,441. Electrical Services—Namely, Installing, Servicing, and Repairing Electrical Appliances, and Lighting Fixtures; and Wiring Buildings. Cherokee Electric Company, Fountain City, Tenn.
Filed Apr. 8, 1949, Serial No. 576,792. Published Dec. 26, 1950. Class 103.

539,442. Lubrication Impregnating Treatment Applicable to Cutting Tools and Dies To Prolong the Serviceable Life Thereof. Willis Stutson, doing business as Tough-Ite Process, Hollywood, Calif.
Filed May 4, 1949, Serial No. 578,233. Published Sept. 12, 1950. Class 106.

539,443. Designing and Formulating Retail Store Advertising, Decorations, and Displays. Bliss Display Corp., New York, N. Y.
Filed May 6, 1949, Serial No. 578,315. Published Dec. 26, 1950. Class 101.

539,444. Informational, Educational, and Entertainment Services for the United States Army, Navy, and Air Force Personnel Stationed Overseas, Afloat and Ashore, Rendered Through the Medium of Radio Program Broadcasting. United States Department of the Army, Washington, D. C.
Filed May 16, 1949, Serial No. 578,943. Published Feb. 14, 1950. Class 107.

539,445. Surfacing and Resurfacing Exterior and Interior Surfaces of Buildings and Dwellings With Waterproof Permanent Plastic Coatings. Belson Company, Inc., Worcester, Mass.
Filed Sept. 15, 1949, Serial No. 585,494. Published Dec. 26, 1950. Class 103.

539,446. General Porter Service—Namely, the Handling of Passengers' Baggage, Rendered at Air Terminals. Northwest Airlines, Inc., St. Paul, Minn.
Filed Oct. 17, 1949, Serial No. 586,425. Published Dec. 26, 1950. Class 105.

539,447. Watch Repairing and Adjusting. Charles D. Verde, doing business as Hairspring Vibrating Co., Union City, N. J.
Filed Oct. 19, 1949, Serial No. 586,575. Published Dec. 26, 1950. Class 103.

539,448. Community Services—Namely, Encouraging the Investment of Capital, Etc. Ruritan National, Wakefield, Va.
Filed Jan. 19, 1950, Serial No. 591,108. Published Dec. 26, 1950. Class 100.

539,449. Banking and Trust Services, Etc. Bankers Trust Company, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,712. Published Dec. 26, 1950. Class 102.

539,450. Railroad Passenger and Freight Transportation Service. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn.
Filed Feb. 3, 1950, Serial No. 591,942. Published Dec. 26, 1950. Class 105.

539,451. Railroad, Highway, and Marine Transportation of Passengers, Mail, and Property. Erie Railroad Company, Cleveland, Ohio.
Filed Feb. 23, 1950, Serial No. 592,887. Published Dec. 26, 1950. Class 105.

539,452. Private Detective Investigations and Property Surveillance. Pinkerton's National Detective Agency, Inc., New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,560. Published Dec. 26, 1950. Class 100.

539,453. Air Transportation of Persons, Property, and Mail. Transcontinental & Western Air, Inc., Kansas City, Mo.
Filed Mar. 20, 1950, Serial No. 594,297. Published Dec. 26, 1950. Class 105.

Collective Mark

539,454. Fir Plywood. Douglas Fir Plywood Association, Tacoma, Wash.
Filed Aug. 24, 1948, Serial No. 563,915. Published Dec. 26, 1950. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

539455. (Class 6. Chemicals and Chemical Compositions.) Polk Miller Products Corp., Richmond, Va. Original filed, act of 1905, Jan. 15, 1947; amended to application under act of 1946, Principal Register, Oct. 28, 1947; amended to Supplemental Register, Feb. 7, 1950, Serial No. 515,788.



The drawing is lined for red and yellow. Applicant claims ownership of Registrations Nos. 331,357, 284,640, 331,624, 300,694, 345,687.
For Disinfectant.
Claims use since Feb. 21, 1944.

539,456. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Josam Manufacturing Company, Cleveland, Ohio. Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Mar. 22, 1948; amended to Supplemental Register, Jan. 10, 1951, Serial No. 524,992.

LEVELEZE

For Floor Drains.
Claims use since June 10, 1947.

539,457. (Class 46. Foods and Ingredients of Foods.) Modern Maid Food Products, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, July 29, 1947; amended to application, Supplemental Register, Oct. 21, 1950, Serial No. 529,915.

REDI-BREADER

Applicant claims ownership of Registration No. 402,877.
For Breading Mix Composed of Toasted Wheat, Powdered Eggs, Powdered Skim Milk, Spices, Carotene Oil, and Wheat Flour.
Claims use since July 1, 1942.

539,458. (Class 46. Foods and Ingredients of Foods.) Mann Bros. Canning Co. (Inc.), Lakeland, Fla. Original filed, act of 1946, Principal Register, Jan. 26, 1948; amended to application, Supplemental Register, June 29, 1949, Serial No. 548,007.

CITRUS CENTER

For Canned Orange and Grapefruit Sections in Syrup.
Claims use since Jan. 12, 1948.

539,459. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) St. Pierre Chain Corporation, Worcester, Mass. Original filed, act of 1946, Principal Register, Mar. 3, 1948; amended to application, Supplemental Register, Dec. 16, 1950, Serial No. 551,139.

HARD-BLU

For Tire Chains.
Claims use since Mar. 3, 1947.

539,460. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Charmette Fabrics Company, Inc., New York, N. Y., assignor to Chopak Textile Company, Inc., New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, June 8, 1948; amended to application, Supplemental Register, Apr. 1, 1950, Serial No. 558,697.

TWYNSTRIPE

For Fabrics in the Piece Made of Rayon Twill.
Claims use since Mar. 19, 1948.

539,461. (Class 24. Laundry Appliances and Machines.) Automatic Washer Company, Newton, Iowa. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, July 29, 1950, Serial No. 558,774.

Duo-Spin

Applicant claims ownership of Registration No. 289,442.
For Clothes Washing Machines, Ironers, and Mechanical Clothes Driers.
Claims use since Jan. 15, 1948.

539,462. (Class 46. Foods and Ingredients of Foods.) Cranberry Growers, Inc., Wisconsin Rapids, Wis. Original filed, act of 1946, Principal Register, Oct. 29, 1948; amended to application, Supplemental Register, Apr. 25, 1950, Serial No. 567,855.

Vine Fresh

For Fresh Cranberries.
Claims use since Sept. 4, 1948.

539,463. (Class 21. Electrical Apparatus, Machines, and Supplies.) Breeze Corporations, Inc., Newark, N. J. Original filed, act of 1946, Principal Register, June 17, 1948; amended to application, Supplemental Register, Apr. 25, 1950, Serial No. 568,150.

MULTI-LECTRIC

For Electrical Connectors and Component Parts Thereof.
Claims use since Jan. 30, 1945.

539,464. (Class 2. Receptacles.) Sutherland Paper Company, Kalamazoo, Mich. Original filed, act of 1946, Principal Register, Nov. 12, 1948; amended to application, Supplemental Register, Nov. 24, 1950, Serial No. 568,689.

TILT-BAK

For Cartons Formed of Fiberboard Stock for Packaging and Displaying Goods.
Claims use since May 10, 1945.

539,465. (Class 51. Cosmetics and Toilet Preparations.) Tints Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 26, 1948; amended to application, Supplemental Register, Mar. 28, 1950, Serial No. 569,491.

Minit Curl

For Hair Curling Preparation.
Claims use since July 1948.

539,466. (Class 11. Inks and Inking Materials.) Manifold Supplies Company, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Feb. 25, 1949; amended to application, Supplemental Register, Feb. 9, 1950, Serial No. 574,523.

BLACKSTONE LINE

For Carbon Paper.
Claims use since Dec. 29, 1948.

539,467. (Class 18. Medicines and Pharmaceutical Preparations.) F. Ahlgrens Tekniska Fabrik Aktiebolag, Gavle, Sweden. Original filed, act of 1946, Principal Register, Jan. 26, 1949; amended to application, Supplemental Register, June 28, 1950, Serial No. 574,666.

Lakerol

The drawing is lined for green. Applicant claims ownership of Swedish Registration No. 64,587, dated June 18, 1948, and United States Registrations Nos. 226,537 and 231,625.
For Medicated Pastilles and Lozenges.

539,468. (Class 12. Construction Materials.) The B. G. Coffman Co. Inc., Orlando, Fla. Original filed, act of 1946, Principal Register, May 24, 1949; amended to application, Supplemental Register, Oct. 11, 1950, Serial No. 579,398.



No exclusive claim is made to the words "Step Railing" and the representation of a railing.
For Step Railings Made of Ornamental Iron.
Claims use since Mar. 11, 1949.

539,469. (Class 12. Construction Materials.) Johnson Quality Homes, Inc., Jersey City, N. J. Original filed, act of 1946, Principal Register, June 14, 1949; amended to application, Supplemental Register, June 21, 1950, Serial No. 580,411.

THE Blanding

The mark consists of the words "The Blanding" and a shield displaying the letters "JQH."
For Pre-Assembled Houses.
Claims use since January 1949.

539,470. (Class 12. Construction Materials.) Laclede-Christy Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, June 17, 1949; amended to application, Supplemental Register, July 27, 1950, Serial No. 580,666.

SETSFIRM

For Plastic Cement—Namely, Mortar.
Claims use since Mar. 28, 1949.

539,471. (Class 51. Cosmetics and Toilet Preparations.) Elizabeth Arden Sales Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, July 27, 1949; amended to application, Supplemental Register, June 3, 1950, Serial No. 582,553.

BORDEAU

For Lipstick, Nail Polish, and Rouge.
Claims use since May 3, 1948.

539,472. (Class 51. Cosmetics and Toilet Preparations.) Lionel G. Rothchild, doing business under the name of Lenel Co., Dallas, Tex. Original filed, act of 1946, Principal Register, Nov. 2, 1949; amended to application, Supplemental Register, Nov. 2, 1950, Serial No. 587,213.

Scent Sampler

For Perfume and Cologne.
Claims use since Apr. 28, 1949.

539,473. (Class 39. Clothing.) Fischer Kiddie Coat Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 3, 1949; amended to application, Supplemental Register, Dec. 8, 1950, Serial No. 587,258.



For Wearing Apparel for Ladies, Misses, and Children—Namely, Suits, Coats, Jackets, and Jumpers.
Claims use since January 1938.

539,474. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Oscar C. Rixson Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 15, 1949; amended to application, Supplemental Register, Dec. 23, 1950, Serial No. 587,819.

DUO-CHECK

For Builders' Hardware—Namely, Floor Hinge Door Checks.
Claims use since Oct. 13, 1949.

539,475. (Class 21. Electrical Apparatus, Machines, and Supplies.) Pacific Mills, Boston, Mass., and New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 26, 1949; amended to application, Supplemental Register, Nov. 13, 1950, Serial No. 588,381.

RADIANT

For Electric Bed Sheets.
Claims use since Oct. 31, 1949.

539,476. (Class 28. Jewelry and Precious-Metal Ware.) John R. Finelli, Mamaroneck, N. Y. Original filed, act of 1946, Principal Register, Nov. 30, 1949; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 588,568.



The stippling is for shading purposes only.
For Necklaces, Earrings, Pin Ornaments, Finger Rings, Bracelets, Brooches and Ornamental Clips of Non-Precious and Precious Metals.
Claims use since Oct. 10, 1949.

539,477. (Class 21. Electrical Apparatus, Machines, and Supplies.) Drive In Theatre Equipment Co., Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Jan. 6, 1950; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 590,429.

Auto-Voice

For Outdoor Loud Speakers and Parts Therefor.
Claims use since Jan. 20, 1947.

539,478. (Class 27. Horological Instruments.) Walter Kocher, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 27, 1950; amended to application, Supplemental Register, Sept. 19, 1950, Serial No. 593,124.

De Bruce

For Clocks.
Claims use since Jan. 13, 1947.

539,479. (Class 38. Prints and Publications.) Industrial Medicine Publishing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 18, 1950; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 594,223.

INDUSTRIAL
MEDICINE
AND
SURGERY

Applicant claims ownership of Registrations Nos. 300,923 and 418,588.
For Periodical Publication Concerned With Industrial Medicine and Surgery.
Claims use since August 1949.

539,480. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Herculean Appliance Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 11, 1950; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 595,542.

"PEARLGLO"

For Toilet Seats.
Claims use since June 15, 1949.

539,481. (Class 18. Medicines and Pharmaceutical Preparations.) Foster-Milburn Co., Buffalo, N. Y. Original filed, act of 1946, Principal Register, Apr. 21, 1950; amended to application, Supplemental Register, Dec. 30, 1950, Serial No. 596,089.

GENTIA-JEL

For Medicated Jelly for Treatment and Prevention of Infections.
Claims use since Nov. 18, 1947.

539,482. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) James L. Allen, doing business under the firm name and style of Chicago Sash Holder Co., La Mesa, Calif. Filed June 13, 1950, Serial No. 598,974.

CHICAGO SASH HOLDER COMPANY CHICAGO CHICAGO

For Sash Holders.
Claims use since June 1925.

TRADE-MARK REGISTRATIONS RENEWED

35,548. ICHTHOLAN. Registered Dec. 4, 1900. Ichthyol-Gesellschaft Cordes, Hermanni & Co., Hamburg, Germany. Re-renewed Dec. 4, 1950, to The Ichthyol Co., Bloomfield, N. J., a corporation of New Jersey. Chemical Compounds, Medicaments, Surgical Matter for Men and Animals, Etc. Class 46.

35,715. "WEAR PROOF" ETC. AND DESIGN. Registered Jan. 8, 1901. Farnsworth, Hoyt & Co. Renewed Jan. 8, 1951, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Duck Designed for Lining Shoes or Other Articles Subjected to Great Wear. Class 42.

35,737. "R G ROGER & GALLET" ETC. AND DESIGN. Registered Jan. 8, 1901. Roger & Gallet, Paris, France. Re-renewed Jan. 8, 1951, to Roger & Gallet, New York, N. Y., a corporation of New York. Toilet Preparations for the Teeth and Hair and Perfumed Soap. Class 51.

36,098. GOLDEN GLORY. Registered Mar. 19, 1901. The Glucose Sugar Refining Co., Jersey City, N. J., and Chicago, Ill. Re-renewed Mar. 19, 1951, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Sugar and Syrup. Class 46.

36,422. W. Registered May 14, 1901. Winchester Repeating Arms Co. Re-renewed May 14, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Firearms and Ammunition. Class 9.

36,424. W.R.A.CO. Registered May 14, 1901. Winchester Repeating Arms Co. Re-renewed May 14, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Firearms, Ordnance, Ammunition, Cartridge Implements, Gun Attachments, and Gun-Grease. Class 9.

80,449. TEOFANI. Registered Dec. 20, 1910. Teofani & Co., Limited. Re-renewed Dec. 20, 1950, to Teofani Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Cigarettes, Cigars, Smoking Tobacco and Chewing Tobacco. Class 17.

81,058. ALICE. Registered Feb. 28, 1911. William W. Dyer. Re-renewed Feb. 28, 1951, to Vincennes Packing Corporation, Vincennes, Ind., a corporation of Indiana. Canned Pork and Beans. Class 46.

81,202. MARY JANE. Registered Mar. 14, 1911. Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Re-renewed Mar. 14, 1951, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Compound of Corn, Molasses, and Sorghum Syrup. Class 46.

81,605. GLOBEOL. Registered Apr. 25, 1911. Lucien Graux, Paris, France. Re-renewed Apr. 25, 1951, to Societe Anonyme pour l'Expansion des Marques de Fabrique et de Commerce, Courbevoie (Seine), France, a corporation organized under the laws of the Republic of France. A Remedy for the Improvement of the Blood. Class 18.

81,647. PINNACLE. Registered Apr. 25, 1911. Upland Citrus Ass'n. Re-renewed Apr. 25, 1951, to Upland Citrus Association, Upland, Calif., a corporation of California. Oranges and Grapefruit. Class 46.

81,930. "WF" ETC. AND DESIGN. Registered May 16, 1911. Frederic Walmsley Warrick, Grasse, France. Re-renewed May 16, 1951, to Jacob Manheimer, New York, N. Y. Essential Oils, Perfumes, Perfumed Oils, Perfumed Fats, Concrete Perfumes, Floral Waters. Class 51.

82,039. "AMBROID" AND OVAL DESIGN. Registered May 23, 1911. West Manufacturing Company, New York, N. Y. Re-renewed May 23, 1951, to Ambroid Co., Boston, Mass., a corporation of Maine. Glues. Class 5.

266,938. O.V.P. Registered Feb. 11, 1930. Soc. Anon. Officine di Villar Perosa. Renewed Feb. 11, 1950, to Riv-Officine Di Villar Perosa S.p.A., Turin, Italy, a corporation organized under the laws of Italy. Ball Bearings, Roller Bearings. Class 23.

272,997. "THE G AND E RED-ARROW" AND DESIGN. Registered July 15, 1930. Gas and Electric Heater Co. Renewed July 15, 1950, to FauceHot Heater Co., La Porte, Ind., a corporation of Indiana. Gas Water-Supply Heaters. Class 34.

275,691. FAUCEHOT. Registered Sept. 30, 1930. Gas and Electric Heater Co. Renewed Sept. 30, 1950, to FauceHot Heater Co., La Porte, Ind., a corporation of Indiana. Gas Water Heaters. Class 34.

275,737. LUBRI-ZOL. Registered Sept. 30, 1930. The Lubri-Graph Corporation, Cleveland, Ohio. Renewed Sept. 30, 1950, to The Lubrizol Corporation, Wickliffe, Ohio, a corporation of Ohio. Lubricating Oils, Lubricating Oil Compounds, and Motor-Lubricating Oils. Class 15.

275,791. FRENS. Registered Sept. 30, 1930. Friends Corporation, Chambersburg, Pa., assignor to Frens Corporation. Renewed Sept. 30, 1950, to Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey. Sanitary Napkins. Class 44.

276,752. "JANE POTTER CANDIES" AND DRAWINGS. Registered Oct. 28, 1930. Nellie A. Eisdon, Fredonia, N. Y. Renewed Oct. 28, 1950. Candy. Class 46.

277,674. ANDRÉ CREATIONS. Registered Nov. 25, 1930. Andre, Incorporated. Renewed Nov. 25, 1950, to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York. Shoes Constructed of Combinations of Leather and Fabric. Class 39.

278,175. "UNITED ARTISTS" AND DESIGN. Registered Dec. 9, 1930. United Artists Corporation, New York, N. Y., a corporation of Delaware. Renewed Dec. 9, 1950. Motion Pictures. Class 26.

278,195. "LUXOR" AND DESIGN. Registered Dec. 9, 1930. L. Hilsenbeck, Inc. Renewed Dec. 9, 1950, to Julius Schmid, Inc., New York, N. Y., a corporation of New York. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.

278,344. PURITAN. Registered Dec. 16, 1930. The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut. Renewed Dec. 16, 1950. Scissors and Shears. Class 23.

278,443. ICHTHYOL. Registered Dec. 16, 1930. The Ichthyol Co., Rahway, N. J. Renewed Dec. 16, 1950, to The Ichthyol Co., Bloomfield, N. J., a corporation of New Jersey. Medicinal Solution and Pharmaceutical Preparation Comprising Hydrocarbons, Etc. Class 18.

278,597. "E" WITHIN CIRCLE. Registered Dec. 23, 1930. The Eavey Co., Xenia, Ohio, a corporation of Ohio. Renewed Dec. 23, 1950. Jelly Powders, Cider Vinegar, Tea, Etc. Class 46.

278,638. LUSTRE. Registered Dec. 23, 1930. Russell Playing Card Company, Jersey City, N. J. Renewed Dec. 23, 1950, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

278,749. "FABRIEK-EN" ETC. AND DESIGN. Registered Dec. 30, 1930. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Renewed Dec. 30, 1950, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Fruit Juices and Extracts Used in the Preparation of Nonalcoholic, Maltless Beverages Sold as Soft Drinks. Class 45.

278,750. "POLAK & SCHWARZ" AND DESIGN. Registered Dec. 30, 1930. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Renewed Dec. 30, 1950, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Fruit Juices and Extracts Used in the Preparation of Nonalcoholic, Maltless Beverages Sold as Soft Drinks. Class 45.

278,989. ESTHÉTA. Registered Jan. 6, 1931. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Jan. 6, 1951. Shaving Soap, Toilet Soap, Etc. Class 51.

279,332. "FABRIEK-EN" ETC. AND DESIGN. Registered Jan. 13, 1931. Polak & Schwarz, Zaandam, Netherlands. Renewed Jan. 13, 1951, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Natural and Imitation Flavors Suitable for Flavoring Foods and Ingredients of Foods. Class 46.

279,709. "PEPPERELL PEERESS SHEETS" ETC. AND DESIGN. Registered Jan. 20, 1931. Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Renewed Jan. 20, 1951. Textile Sheets and Sheetings. Class 42.

279,889. "VERNOR'S" ETC. AND DRAWING LINED FOR YELLOW. Registered Feb. 3, 1931. James Vernor Company, Detroit, Mich., a corporation of Michigan. Renewed Feb. 3, 1951. Ginger Ale. Class 45.

279,906. BUCCANEER. Registered Feb. 3, 1931. Norris Inc., Atlanta, Ga., a corporation of Georgia. Renewed Feb. 3, 1951. Candy. Class 46.

280,807. CAM. Registered Mar. 3, 1931. Conrad P. Meussdorffer, doing business as Cam Manufacturing Co., Ross, Calif. Renewed Mar. 3, 1951. Electrical Sirens. Class 21.

281,541. "TURCO" AND DESIGN. Registered Mar. 24, 1931. Turco Products, Inc., Los Angeles, Calif., a corporation of California. Renewed Mar. 24, 1951. Abrasive and Detergent Cleaning Compounds in Flake, Pulverized, Paste, and Liquid Form. Class 4.

281,599. CARAVAN. Registered Mar. 24, 1931. C. A. Peeler, doing business as Cheerwine Bottling Company, Salisbury, N. C. Renewed Mar. 24, 1951. Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts Used in Making the Same. Class 45.

281,629. NOVAZINE. Registered Mar. 24, 1931. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 24, 1951. Dyestuffs-Neutral Dyeing-Acid Colors. Class 6.

281,667. "CHIC." Registered Mar. 24, 1931. Fort Orange Chemical Company, assignor to Fort Orange Chemical Co. Inc. Renewed Mar. 24, 1951, to Fort Orange Chemical Co., Inc., Albany, N. Y., a corporation of New York. Nail Polish, Preparation for Removing Nail Polish, and Bath Salts. Class 51.

281,788. NO-SO. Registered Mar. 31, 1931. J. & J. Cash, Inc., South Norwalk, Conn., a corporation of Connecticut. Renewed Mar. 31, 1951. Adhesive Liquid Cement. Class 5.

281,835. LINIT. Registered Mar. 31, 1931. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 31, 1951. Edible Cornstarch. Class 46.

281,848. "DIAMOND D" AND DESIGN. Registered Mar. 31, 1931. Dwinell-Wright Company, Boston, Mass., a corporation of Massachusetts. Renewed Mar. 31, 1951. Coffee. Class 46.

282,377. MARLÉE. Registered Apr. 21, 1931. Leon Marks, New York, N. Y. Renewed Apr. 21, 1951. Candy and Candied Nuts. Class 46.

282,480. "COL-O-TEX" AND DESIGN. Registered Apr. 21, 1931. Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio. Renewed Apr. 21, 1951. Pyroxylin-Coated Fabrics. Class 42.

282,603. TANCTECTOL. Registered Apr. 28, 1931. The International Paint & Compositions Company, Limited, London, England. Renewed Apr. 28, 1951, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Ready-Mixed and Paste Paints. Class 16.

282,912. HERMIS. Registered May 5, 1931. Morning Telegraph, Inc., New York, N. Y. Renewed May 5, 1951, to Triangle Publications, Inc., Philadelphia, Pa., a corporation of Delaware. Newspaper Section, Column, or Department. Class 38.

282,913. REIGH COUNT. Registered May 5, 1931. Morning Telegraph, Inc., New York, N. Y. Renewed May 5, 1951, to Triangle Publications, Inc., Philadelphia, Pa., a corporation of Delaware. Newspaper Section, Column, or Department. Class 38.

283,016. "POLAK & SCHWARZ" AND DESIGN. Registered May 12, 1931. Polak & Schwarz, Zaandam, Netherlands. Renewed May 12, 1951, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Natural and Imitation Flavors Suitable for Flavoring Foods and Ingredients of Foods. Class 46.

283,023. INNOVATION. Registered May 12, 1931. The Belber Trunk & Bag Company. Renewed May 12, 1951, to Belber Trunk and Bag Company, Philadelphia, Pa., a corporation of New Jersey. Wardrobe Trunks, Hat and Shoe Trunks, Steamer Trunks, Etc. Class 3.

283,055. "STEARNS GOLDEN PHEASANT" AND REPRESENTATION OF PHEASANT. Registered May 12, 1931. Stearns Coal & Lumber Company, Inc., Stearns, Ky., a corporation of Michigan. Renewed May 12, 1951. Coal. Class 1.

283,056. "STEARNS GOLDEN EAGLE" AND REPRESENTATION OF EAGLE. Registered May 12, 1931. Stearns Coal & Lumber Company, Inc., Stearns, Ky., a corporation of Michigan. Renewed May 12, 1951. Coal. Class 1.

283,057. "STEARNS SCARLET TANAGER" AND REPRESENTATION OF TANAGER. Registered May 12, 1931. Stearns Coal & Lumber Company, Inc., Stearns, Ky., a corporation of Michigan. Renewed May 12, 1951. Coal. Class 1.

283,098. "BOND" ETC. AND REPRESENTATION OF CARTON LINED FOR RED AND GREEN. Registered May 19, 1931. Bond Electric Corporation, Jersey City, N. J. Renewed May 19, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Flash Lights. Class 21.

283,163. GLORICEL. Registered May 19, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed May 19, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

283,169. ALDURA. Registered May 19, 1931. New York Wire Cloth Company, New York, N. Y., and Wilmington, Del. Renewed May 19, 1951, to New York Wire Cloth Company, New York, N. Y., a corporation of Delaware. Wire Fabric. Class 13.

283,320. "SPORTS-TEX" AND DESIGN. Registered May 26, 1931. Cohen, Goldman & Co. Inc., New York, N. Y. Renewed May 26, 1951, to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa., a corporation of Pennsylvania. Men's, Boys', and Children's Outer Garments Consisting of Coats, Etc. Class 39.

283,366. "G" AND REPRESENTATION OF ARROW. Registered May 26, 1931. Golf Shaft & Block Company. Renewed May 26, 1951, to C. F. Work & Sons, Inc., Memphis, Tenn., a corporation of Delaware. Unfinished or Partly-Finished Dimension Stock and Turnings of Hickory, Etc. Class 12.

283,605. TERRO. Registered June 2, 1931. Senoret Chemical Company, St. Louis, Mo., a corporation of Missouri. Renewed June 2, 1951. Poison for Ants, Insects, Vermin, and Rodents. Class 6.

TRADE-MARK REGISTRATIONS CANCELED

313,260. REVEL. Registered May 22, 1934. Augustus F. Mack, doing business as Mack Brothers, San Diego, Calif. Cleansing Cream. Class 6. Canceled Feb. 9, 1951.

367,119. FIXIES. Registered May 9, 1939. The H. W. Gossard Co., Chicago, Ill. Girdles, Panties, Step-In Corsets, Etc. Class 39. Canceled Feb. 16, 1951.

377,911. "CONTINENTAL" AND DESIGN. Registered May 21, 1940. Bedford Surgical Co., Inc., Brooklyn, N. Y. Electro-Medical Apparatus—Namely, X-Ray Apparatus, Etc. Class 44. Canceled Jun. 26, 1951.

378,241. "FIRESTONE PILOT" AND DESIGN. Registered June 4, 1940. The Firestone Tire & Rubber Company, Akron, Ohio. Bicycles and Structural Parts Thereof. Class 19. Canceled Feb. 16, 1951.

388,339. ROSSCAST. Registered June 17, 1941. J. K. Smit & Sons, Inc., New York, N. Y. Diamond Bits. Class 23. Canceled Feb. 14, 1951.

524,891. AUTOPLATE. Registered May 2, 1950. The Wilbert Products Co., Inc., New York, N. Y. Liquid Protective Coating Wax for Use on Automobile Bodies. Class 16. Canceled Jan. 31, 1951.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

200,419. DOROTHY GRAY. Registered June 30, 1925. Dorothy Gray, New York, N. Y. Face Powders, Talcum Powder, Etc. Class 6. Amended as follows: In the statement, column 2, lines 1 and 2, "which is a facsimile of applicant's signature" is deleted; and the drawing is amended to appear as follows:

Dorothy Gray

224,032. PRINT-AD-STRING. Registered Feb. 15, 1927. Chicago Printed String Co., Inc., Chicago, Ill. Wrapping String or Tape. Class 7. Corrected as follows: In the renewal certificate, line 2, immediately before the comma following the word "firm", *composed of Otto Vogl, Charles Weiner, Martha Weiner, and Margaret Vogl, together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Groff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

283,555. DOROTHY GRAY. Registered June 2, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Patters for the Skin and Tissue and Reducing Chin Strap. Class 44. Amended as follows: In the statement, column 1, lines 19, 20, and 21 are deleted; in line 23, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 23, and line 24 are deleted; in column 2, lines 1, 2, and 3 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

283,587. DOROTHY GRAY. Registered June 2, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Cleansing Tissues. Class 37. Amended as follows: In the statement, column 1, lines 18 and 19 are deleted; in line 21, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 21, and lines 22 and 23 are deleted; in column 2, lines 1 and 2 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

283,935. DOROTHY GRAY. Registered June 9, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Powder Puffs, Absorbent Powder Puffs, Etc. Class 29. Amended as follows: In the statement, column 1, lines 22 and 23 are deleted; in line 25, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 25 is deleted; in column 2, lines 1, 2, 3, and 4 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

284,053. DOROTHY GRAY. Registered June 16, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Soap. Class 4. Amended as follows: In the statement, column 1, lines 18 and 19 are deleted; in line 21, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 21, and lines 22 and 23 are deleted; in column 2, lines 1 and 2 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

285,634. DOROTHY GRAY. Registered Aug. 4, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Filled Compacts Containing Face Powder, Etc. Class 6. Amended as follows: In the statement, column 1, lines 22 and 23 are deleted; in line 25, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 25 is deleted; in column 2, lines 1, 2, 3, and 4 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

285,899. DOROTHY GRAY. Registered Aug. 11, 1931. Dorothy Gray, Bloomfield, N. J., and New York, N. Y. Toilet or Dressing Cases, Overnight Bags, Etc. Class 3. Amended as follows: In the statement, column 1, lines 21 and 22 are deleted; in line 24, the comma following "1925" is deleted and a period is inserted in lieu thereof; the remainder of line 24, and line 25 are deleted; in column 2, lines 1, 2, and 3 are deleted; and the drawing is amended to appear as follows:

Dorothy Gray

419,924. TIE-◇-TIE. Registered Mar. 12, 1946. Chicago Printed String Company, Chicago, Ill. Decorative Wrapping Paper, and Enclosure Cards Having Blank Spaces Thereon To Be Filled in. Class 37. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

423,783. TIE—TIE. Registered Sept. 10, 1946. Chicago Printed String Company, Chicago, Ill. Printed Gift Seals and Printed Enclosure Cards Adapted To Be Used in Connection With Gifts or the Like. Class 38. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

428,735. COTTON QUEEN. Registered Apr. 1, 1947. Chicago Printed String Company, Chicago, Ill. Wrapping String or Tape Used as Tying Material. Class 7. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

430,098. TIE◇TIE RIBBONETTE. Registered June 10, 1947. Chicago Printed String Company, Chicago, Ill. Tape and Ribbon Used for Tying Gift and Other Packages and for Other Tying Uses. Class 7. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

430,415. CHIPRENE. Registered June 10, 1947. Chicago Printed String Company, Chicago, Ill. Wrapping String or Tape Used as Tying Material. Class 7. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

431,726. COTTON QUEEN. Registered Aug. 5, 1947. Chicago Printed String Company, Chicago, Ill. Cotton Ribbon Sold by the Spool and Adapted for Miscellaneous Uses. Class 42. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

518,903. CRINKLE TIE. Registered Dec. 20, 1949. Chicago Printed String Company, Chicago, Ill. Ribbon-Like Material Made From Cotton Yarns Laid Substantially Parallel, Etc. Class 7. Corrected as follows: In the statement, line 6, before "all", *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

80,719. ASTEROL. Registered Jan. 24, 1911. Re-renewed Jan. 24, 1951. The Hoffman-LaRoche Chemical Works. Product Having Antiseptical Properties. Class 6. New certificate under section 7(c) issued Mar. 13, 1951, to Hoffman-La Roche Inc., Nutley, N. J., a corporation of New Jersey.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 421,159. Registered May 21, 1946. Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

DAREX

For Polymeric Materials for Use as Synthetic Rubber and for Use as an Ingredient in Rubber Compounds.
Claims use since July 23, 1945.

CLASS 10

FERTILIZERS

Reg. No. 278,756. Registered Dec. 30, 1930. Atkins & Durbrow, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ORICONUR

For Product Comprising Dehydrated Animal Manure and Peat Moss for Use as Fertilizer, Plant Food, and Soil Conditioner.
Claims use since Apr. 1, 1930.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 409,573. Registered Oct. 10, 1944. Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

DAREX

For Chemical Compound Especially Suitable for Use as an Air-Entraining Agent for Portland Cement Concrete.
Claims use since Apr. 5, 1944.

CLASS 15

OILS AND GREASES

Reg. No. 274,307. Registered Aug. 26, 1930. G. Whitfield Richards, Philadelphia, Pa. Republished by G. Whitfield Richards, Philadelphia, Pa., a firm.

LUBE-A-TUBE

For Metal Drawing Compound Lubricants Made From Oils and Lubricants.
Claims use since the year 1909.

Reg. No. 281,716. Registered Mar. 24, 1931. The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

WHITE FLASH

For Gasoline.
Claims use since Nov. 15, 1930.

Reg. No. 282,406. Registered Apr. 21, 1931. The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ATLANTIC WHITE FLASH

For Gasoline.
Claims use since Nov. 15, 1930.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 297,672. Registered Sept. 27, 1932. Parodi Cigar Company of New York, Inc., Scranton, Pa. Republished by Parodi Cigar Company of New York, Scranton, Pa., a firm.



The drawing is lined for green and red.
For Cigars.
Claims use since June 1, 1929.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 80,489. Registered Dec. 27, 1910. New York Belting & Packing Company Ltd., New York, N. Y., and Passaic, N. J. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

JUBILEE

For Hose Composed of Rubber, Fabric and Rubber, and Rubber Combined With Metallic Reinforcing and Protecting Parts.
Claims use since Aug. 30, 1910.

Reg. No. 277,822. Registered Nov. 25, 1930. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

CLASSIC

For Vehicle Tires of Rubber and Fabric.
Claims use since Feb. 17, 1930.

Reg. No. 278,257. Registered Dec. 9, 1930. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

PEERLESS

For Rubber Tires for Vehicles and Inner Tubes for Tires.
Claims use since Aug. 13, 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 129,648. Registered Mar. 9, 1920. The Chicago Daily News Company, Chicago, Ill. Republished by The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois.

THE CHICAGO DAILY NEWS.

For Daily Newspapers.
Claims use since Jan. 1, 1876.

Reg. No. 374,442. Registered Jan. 9, 1940. The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR AND ABOUT WOMEN

For Section of a Periodical Publication.
Claims use since Jan. 5, 1939.

Reg. No. 376,462. Registered Mar. 26, 1940. The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.

For and about WOMEN

For Section of a Periodical Publication.
Claims use since Jan. 5, 1939.

CLASS 39

CLOTHING

Reg. No. 355,065. Registered Mar. 8, 1938. Level Hat Co. Inc., South Norwalk, Conn. Republished by Joseph Kanner Hat Co., Inc., South Norwalk, Conn., a corporation of Connecticut.

ARDSLEIGH FIFTH AVENUE NEW YORK

The words "Fifth Avenue," "New York" and "medal" are disclaimed apart from the mark as shown.
For Men's Hats.
Claims use since Mar. 12, 1935.

Reg. No. 357,425. Registered June 7, 1938. Huth & James Shoe Co., Milwaukee, Wis. Republished by The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md., a corporation of Maryland.

TRED-LITE

For Young Ladies' Shoes Made From Leather.
Claims use since 1930.

Reg. No. 397,518. Registered Sept. 8, 1942. Wilson Brothers, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AUSSIE

For Men's Neckwear—Namely, Ties.
Claims use since Mar. 20, 1942.

Reg. No. 423,055. Registered Aug. 20, 1946. Joseph Kanner Hat Co., Inc., South Norwalk, Conn., a corporation of Connecticut. Republished by registrant.

BEVMORE

For Men's Hats.
Claims use since February 1938.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 431,759. Registered Aug. 5, 1947. Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Gayla

For Non-Electric Hair Curling Devices.
Claims use since Oct. 11, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 384,861. Registered Feb. 4, 1941. California Sanitary Canning Co., Ltd., also doing business as California Sanitary Company, Ltd., Los Angeles, Calif. Republished by Masterpiece Foods, Inc., Santa Monica, Calif., a corporation of California.

Mariposa

For Canned Fruits, Canned Vegetables, Canned Pork and Peas, Canned Lima Beans and Ham, Canned Beans With Pork, Canned Vegetable Juices, Canned Tomato Sauce, and Canned Tomato Puree.
Claims use since June 1, 1919.

Reg. No. 391,171. Registered Oct. 28, 1941. Tioga Mills, Inc., Waverly, N. Y., a corporation of New York. Republished by registrant.

T-I-O-G-A TM

The word "Tioga" is disclaimed apart from the mark as shown.
For Poultry Grain, Dry-Mash Chick Feed and Stock Feed.
Claims use since Feb. 25, 1941.

CLASS 47

WINES

Reg. No. 347,711. Registered July 6, 1937. San Martina Wines, Inc., Yonkers, N. Y., a corporation of New York. Republished by registrant.

King Midas

For Wines.
Claims use since May 14, 1935.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 414,482. Registered June 12, 1945. Alma French, Minneapolis, Minn. Republished by registrant.

VODE

For Toilet Preparations and Cosmetics, for All Purpose Cream for the Skin, Deodorant Cream, Facial Oil, and After Shaving Lotion.
Claims use since June 15, 1944.

PLANT PATENTS

GRANTED MARCH 13, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,007

ROSE PLANT

Frederick H. Axell, Mountain View, Calif., assignor to J. A. Axell & Company, San Francisco, Calif., a partnership

Application October 14, 1947, Serial No. 779,783

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, retaining the characteristics of growth, free habit of bloom, and long lasting qualities of bloom making its parent variety suitable for greenhouse forcing to supply blooms to the cut-flower trade, and characterized as to novelty by differing from such parent variety in the unique color of its flowers substantially as shown and described.

PATENTS

GRANTED MARCH 13, 1951

2,544,637

SOLUTIONS OF POLYAMIDES

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 22, 1949, Serial No. 117,264
1 Claim. (Cl. 260—30.6)

A solution of 20 to 40 parts by weight of a hexamethylene diamine-adipic acid polyamide in 100 parts by weight of a solvent consisting of 30–40% of 85% phosphoric acid and 70–60% of the nitrile of an aliphatic monocarboxylic acid in which the number of carbon atoms is from 2 to 5, inclusive, the solution being characterized by a stable viscosity.

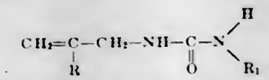
2,544,638

COPOLYMERS OF ACRYLONITRILE AND N-ALLYL AND N-2-METHALLYL UREAS

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 28, 1949, Serial No. 135,532
12 Claims. (Cl. 260—77.5)

1. A copolymer of from 60 to 98 per cent by weight of acrylonitrile and from 40 to 2 per cent by weight of an N-alkenyl urea having the general formula:



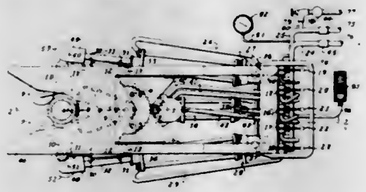
wherein R represents a member selected from the group consisting of an atom of hydrogen and a methyl group, and R_1 represents a member selected from the group consisting of an atom of hydrogen, an alkyl group containing from 1 to 4 carbon atoms, and an aryl group of the benzene series containing from 6 to 8 carbon atoms.

2,544,639

HYDRAULIC TONGS

Ingram X. Calhoun, Oklahoma City, Okla.

Application January 14, 1946, Serial No. 641,147
2 Claims. (Cl. 255—35)



1. Apparatus for making and breaking the joints of pipe sections including a frame bifurcated at one end to receive the pipe and suspended horizontally for displacement relative to the pipe, a fluid pressure distributing manifold on the opposite end of said frame, a pair of cylinders having connection with said manifold, one being disposed on each side of said frame, pistons in said cylinders, a substantially U-shaped floating yoke in said frame at its pipe receiving end adapted to embrace the pipe above a joint and to which said pistons are each connected, pipe engaging torque jaws carried by said yoke, valves controlling the circulating of fluid in said cylinders in a manner to effect alternate reciprocation of said pistons to oscillate said yoke, means for holding the torque jaws against the pipe in said yoke, a pair of pipe holding jaws in said frame for engaging and holding the pipe below said joint, a common cylinder and piston for actuating said pipe holding jaws simultaneously and valve means for controlling circulation of fluid from said manifold through said latter cylinder.

2,544,640

MIXED GRAIN PHOTOGRAPHIC EMULSIONS

Jonas John Chechak, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 10, 1949, Serial No. 98,290
3 Claims. (Cl. 95—7)



1. A light-sensitive layer for producing a colored photographic image upon exposure and development, comprising a layer of water-permeable colloidal material having dispersed therein (1) particles of γ-phenylpropyl alcohol containing sensitive silver halide and a color coupler, (2) grainless silver iodide and (3) a non-color-forming hydroxy benzene reducing agent.

2,544,641

COMPOSITION FOR FILLING THE PORES OF GRINDING WHEELS AND WHEELS FILLED THEREWITH

Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application April 18, 1950, Serial No. 156,711
8 Claims. (Cl. 51—295)

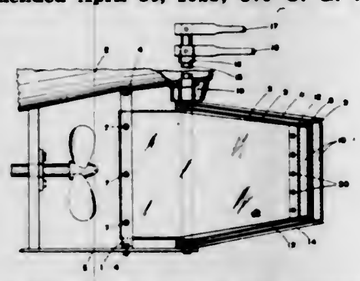
1. A grinding wheel comprising abrasive grains, bond holding the grains together to form the wheel, there being pores in the wheel, and a gel which is the diamide of ethylene diamine and carboxylic acid selected from the group consisting of myristic acid, palmitic acid and stearic acid and mixtures thereof having in solution therein a sulphurized natural fat, said diamide being from 5% to 20% of the entire composition, the sulphurized fat having from 10% to 20% sulphur and the balance of the composition over the diamide being at least 50% said sulphurized fat, said gel filling some of the pores of the wheel.

2,544,642

REVERSING RUDDER FOR SMALL BOATS

Frank R. Abbott, San Diego, Calif.

Application March 14, 1946, Serial No. 654,483
18 Claims. (Cl. 114—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



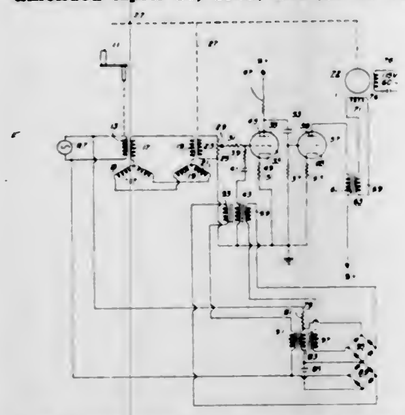
1. Mechanism for controlling direction of a movable body through adjustment and reversal of slip stream or propeller wash created by its propulsion machinery comprising a pair of interleaved stream-lined top and bottom plates, two adjacent rudders of pliant material with leading edges secured to said movable body and trailing edges respectively to said plates, the major surfaces of said rudders in neutral position being substantially parallel to said wash, and control mechanism for moving said rudders to form curved surfaces in said wash.

2,544,643

APPARATUS FOR COMPENSATING FOR FREQUENCY CHANGES

William Robert Ahrendt, College Park, Md., and Harold B. Rex, Falls Church, Va.

Application November 1, 1949, Serial No. 124,934
4 Claims. (Cl. 250—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



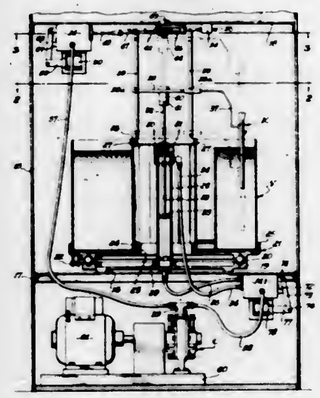
1. In combination, a capacitor and a saturable inductive reactor, a source of power, series connections between said inductive reactor, capacitor and source of power, a first and second auxiliary winding on said saturable reactor, a first rectifier connected in series with said first auxiliary winding and said reactor for setting up magnetic flux in one direction in said saturable reactor, a second rectifier connected in series with said second auxiliary winding and said capacitor for setting up magnetic flux in the opposite direction in said saturable reactor.

2,544,644

FILM-STRIP CARRIER ACTUATING MECHANISM FOR AUTOMATIC PHOTOGRAPHIC APPARATUS

Philip S. Allen, Long Beach, Calif.

Application August 9, 1947, Serial No. 767,797
6 Claims. (Cl. 95—89)



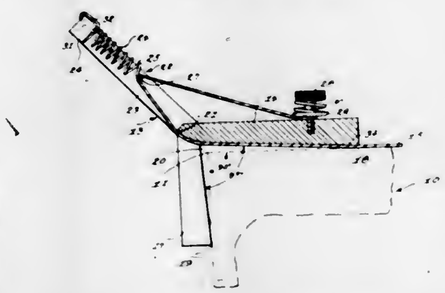
6. In an actuating mechanism for the film strip carrier of automatic photographic apparatus, a rotary member mounted to turn on a vertical axis, a cylinder and piston unit mounted in line with the axis of said rotary member, a film carrier-supporting element mounted on the piston of said unit for reciprocation therewith and rotation relative thereto, means carried by said rotary member on which said element is reciprocable and which will turn with said rotary member, means for turning said rotary member in a step-by-step movement including a piston and cylinder unit, and means for directing pressure fluid to and from said units in such timed relation that the element for supporting the film carrier will be reciprocated following each step-by-step movement of said rotary member.

2,544,645

CRAFTSMAN'S GUIDELINE HOLDER

Samuel F. Alwood, Waterloo, Ind.

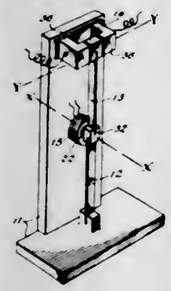
Application February 4, 1949, Serial No. 74,677
2 Claims. (Cl. 33—85)



1. A craftsman's guide line holding bracket comprising a first leg having one face adapted to abut a vertically disposed wall, a second leg arranged transversely of said first leg and having one end in alignment with one end of said first

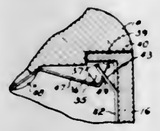
leg and secured to the latter leg adapted to abut a vertically disposed meeting wall, said one end of said second leg being bifurcated for the insertion therethrough of a guide line, a handle arranged at an angle with respect to said first leg and having one end secured to the meeting ends of said legs, the other end of said handle terminating in a pair of spaced arms, a pair of U-arranged springs positioned within the space between said arms and each having their legs secured to the adjacent free end of said arms, a wire arranged transversely of the bights of said springs and connected thereto for the looping thereover of said guide line, and a line end anchor projecting from the other face of said first leg adjacent to and spaced from its other end for fixedly securing the end of said guide line to said first leg.

2,544,646
ANGULAR VELOCITY MEASURING INSTRUMENT
Roland Barnaby, Hempstead, N. Y., and Albrecht E. Reinhardt, Flourtown, Pa., assignors to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application June 16, 1948, Serial No. 33,344
12 Claims. (Cl. 264—1)



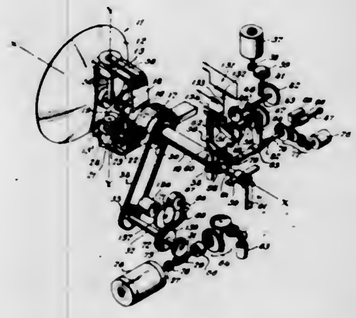
1. An instrument for measuring angular velocity about an axis consisting of a body maintained in oscillation in a plane containing said axis, a first elastic guiding constraint acting on said body in its plane of oscillation, a second elastic guiding constraint acting on said body in a direction substantially perpendicular to said plane, and means for measuring the reaction of said second guiding constraint on the body with movement about said axis.

2,544,647
CLOSURE LATCH
John W. Barnes, Ann Arbor, Mich., assignor to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application May 28, 1947, Serial No. 750,952
2 Claims. (Cl. 292—254)



1. In a receptacle having a body and a hinged cover providing walls adapted to meet along adjacent edges generally parallel to the hinge axis, a spring plate fixed at its inner end to the interior of said body and extending toward said cover adjacent said body wall edge, an inwardly projecting ledge on said cover adjacent and substantially parallel to said cover wall edge, a rim on said spring plate adapted to latch behind said ledge when the cover is closed, a slidable member internally mounted on said cover adjacent said ledge, said ledge being interrupted intermediate its ends to provide a recess through which said member is adapted to project into contact with the edge of said rim when the cover is closed so that said member may be shifted to flex and disengage said plate from said ledge, and manual operating means for said member available externally of the receptacle.

2,544,648
ANTENNA APPARATUS
Stanley L. Bergey, Hempstead, and James A. Nottingham, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application March 22, 1946, Serial No. 656,226
7 Claims. (Cl. 250—33.65)

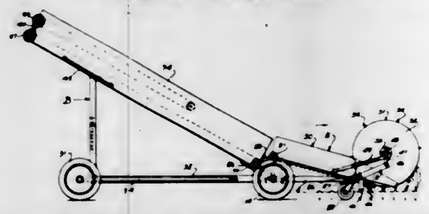


5. Dual-purpose periodically moving directive antenna apparatus permitting alternative operation in planar oscillatory scan and spiral search throughout a zone bounded by a conical locus, comprising a directive antenna having an axis of directivity, a tubular outer sleeve supported for rotation about its axis, an inner member borne within said outer sleeve for movement with respect thereto, bearing means fixed to said outer sleeve for supporting said directive antenna and permitting rotation thereof about an axis transverse said outer sleeve axis and said axis of directivity, means coupling said inner member to said antenna for rotating said antenna about said transverse axis according to relative movement between said outer sleeve and said inner member, means for imparting regular movement to said inner member relative to said outer sleeve for regularly varying the angular displacement between said axis of directivity and said outer sleeve axis, means for imparting regular rotation to said outer sleeve and said transverse axis bearing means about said outer sleeve axis, normally ineffective means for arresting said outer sleeve with the transverse axis of the antenna in a predetermined position, normally ineffective means for reducing the speed of rotation of said outer sleeve and said transverse axis bearing means, and means operable to disable said regular rotation imparting means for said outer sleeve and render said arresting and speed reducing means effective.

2,544,649
CAUSTIC ALKALI COMPOSITION OF MATTER AND ITS USE AS A POLYVALENT METAL PRECIPITATION INHIBITOR
Frederick C. Bersworth, Verona, N. J.
No Drawing. Application January 14, 1949, Serial No. 71,049
6 Claims. (Cl. 23—184)

1. In the method of inhibiting the precipitation of Fe and other poly-valent metals in alkaline pH aqueous solutions which comprises incorporating therein an amount of triethanolamine alcoholate salt which is at least approximately sufficient to react substantially completely with the said iron to form a soluble iron salt therewith, said amount being in the approximate ratio of one molar weight of the triethanolamine to each two (2) iron molecules present in the solution.

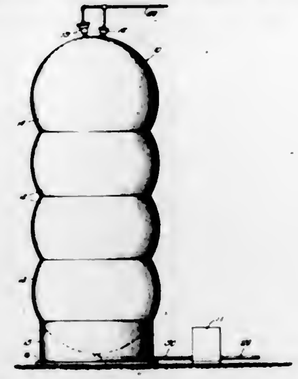
2,544,650
BEET TOPPING MACHINE
Otto H. Block and Nettie A. Block, Fort Collins, Colo.
Application February 3, 1948, Serial No. 5,996
1 Claim. (Cl. 56—153)



A beet topping machine comprising a frame, wheels supporting said frame, a topping knife disposed transversely of and below said frame, a bracket interconnected between each end of said knife and said frame, said brackets providing adjustment of said knife toward and away from said frame and tilting adjustment of said knife relative to said frame, a reel journaled on said frame above and ahead of said knife, an elevator on said frame rearwardly and upwardly inclined from a location adjacent said knife to receive severed beet tops and move such tops rearwardly and upwardly, and a draw bar adjustably attached to said frame at one end of said reel, said reel comprising a central shaft, a pair of end discs substantially concentric with and secured to said shaft near respectively opposite ends thereof, a plurality of substantially rigid slats extending between said discs at the edges of the latter, and a flap of resilient material secured to each slat.

2,544,651
METHOD OF STORING VOLATILE LIQUIDS
Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application September 17, 1945, Serial No. 616,799
6 Claims. (Cl. 220—85)

1. The method of filling, and emptying a storage tank for volatile liquids in which said liquids have a substantial vapor pressure normally substantially below atmospheric pressure which comprises introducing such liquid to a storage vessel capable of withstanding substantially a full vacuum and also an internal gauge pressure substantially equal to atmospheric pressure, continuing the filling of said vessel substantially to completion to compress the entrapped air and condense the vapors, and venting the entrapped air during the filling at a pressure not substantially below the safety limit of the vessel, said vessel



thereafter being kept closed to the atmosphere at all times including subsequent emptying and refilling operations except when necessary to vent air that has been entrained in the entering liquid.

2,544,652
CUTTER SHARPENING MACHINE
Robert E. Borchardt, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 14, 1948, Serial No. 44,353
4 Claims. (Cl. 51—216)

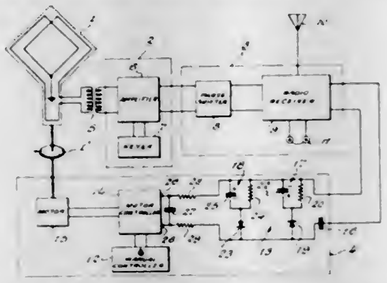


1. In a cutter sharpener, the combination of, a horizontal reciprocable table movable back and forth, means on said table supporting a cutter to be sharpened including a spindle rotatable about an axis paralleling the table motion, an index plate fast on said spindle and having an annular series of notches, a latch dog, means on said table supporting said dog for movement into and out of said notches, means yieldably urging said dog against said plate, an electric motor adapted when energized to turn said spindle, a rotary element, a speed reducing connection between said element and said spindle, and electromagnetic means coacting with said element when energized to exert a magnetic drag on the latter to limit the speed of said motor.

2,544,653
DIRECTION FINDER
Jay E. Browder, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 13, 1946, Serial No. 683,318
11 Claims. (Cl. 343—117)

2. In a radio direction finder system, a rotatable directional antenna, keying means adapted

to asymmetrically key the output of the said directional antenna, a second receiving antenna responsive to the same transmitting source as the said directional antenna, combining means responsive to both antennas to produce a signal indicative of the sense and magnitude of the



angular divergence of the directional antenna from the direction of the received energy, and antenna control means comprising opposed peak rectifying means responsive to said combined output for rotating the said directional energy toward the direction of the received energy.

2,544,654
SHIELD FOR ELECTRIC PLUGS
John W. Brown, South Euclid, Ohio, assignor to Dancyger Manufacturing Company, a corporation of Ohio
Application May 1, 1947, Serial No. 745,272
2 Claims. (Cl. 206—46)



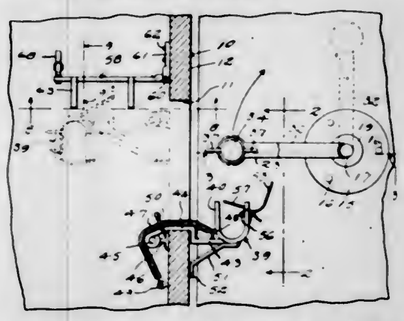
1. A shield for the prongs of an electric plug having an electric cord entering the plug for connection to said prongs, said shield comprising a strip of material having first and second end portions and a loop portion intermediate said end portions, said first end portion having spaced openings through which said prongs may be inserted to anchor said first end portion to said prongs, said loop portion extending around said prongs and constituting a hood for shielding said prongs, and means for attaching said second end portion to said electric cord.

2,544,655
SWIVEL
Dwight A. Chase, United States Coast Guard
Application August 3, 1945, Serial No. 608,817
1 Claim. (Cl. 59—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Steps in a method of making a swivel comprising forming an axially apertured neck, inserting the shank of an eye bolt through the aperture in the neck, forming a collar of an internal diameter to fit on the shank and with recesses in the collar exposed at the internal surface and end surface thereof, placing the collar on the shank with the recessed end surface of the collar facing toward the end of the shank, upsetting the shank over the end of said collar and into said recesses of the collar to unite the collar to the shank of the eye bolt, then bending a bar into a loop and fitting its ends along opposite sides of said neck, and welding the ends of the bar to the opposite sides of the neck with the bent bar in a plane with the axis of the aperture in the neck.

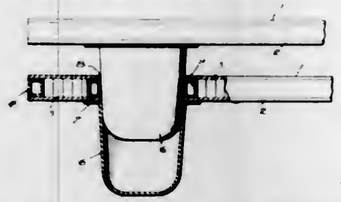
2,544,656
MAIL HANDLING APPARATUS
Albert James Clayton, Dalton, Mo.
Application February 12, 1948, Serial No. 7,883
1 Claim. (Cl. 258—22)



A mail receiving means for attachment to a mail car and extendable from an inoperative position within the car to an operative position extending from the side of the car, said means comprising a horizontally swingable elongated arm, a spring extending from an outer point on said arm to an interior point of said car biasing said arm to inoperative position, means for holding said arm against the bias of said spring, U-shaped catcher means carried by the outer end of said arm, and latch means carried by said catcher means for releasably locking a mail container in said catcher means, said latch means comprising an elongated member pivotally carried by the outermost arm of said catcher means adjacent its outer extremity, an operating lever carried by and extending oppositely from said elongated member, said lever extending between the open end of said catcher means when in set position and adapted upon inward movement of a mail container to swing said elongated member transversely across the open end of said catcher so as to thereby lock said container in said catcher, a spring biasing said elongated member outwardly of said outermost arm and latching means carried by said first mentioned latch means for holding the latter against the bias of said last mentioned spring.

2,544,657
PALLET
Walton W. Cushman, Webb City, Mo.
Application September 5, 1947, Serial No. 772,415
3 Claims. (Cl. 248—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A stackable pallet comprising a body formed of metal sheets spaced apart by a spacing element composed of a cellular paper body, a metal binding strip disposed between the sheets at the edges thereof and encircling the spacing element, said



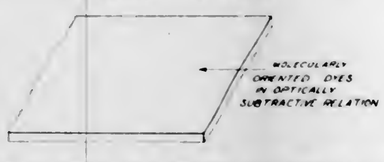
body provided with a plurality of openings extending therethrough, and tapered tubular legs in alignment with said openings.

2,544,658
ELECTRIC INDUCTION APPARATUS
Franklin R. D'Entremont, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Original application April 27, 1946, Serial No. 665,423. Divided and this application October 16, 1947, Serial No. 780,129
5 Claims. (Cl. 175—358)



4. Electric induction apparatus comprising, in combination, a two-legged magnetic core with yoke portions joining the ends of its legs, separate insulating spools on said legs, said spools having outwardly extending flanges on two opposite sides of both ends, the flanges on one of said sides extending along the inner surfaces of the core yoke portions, said spools having straight projections on two other opposite sides at both ends, and solid insulation surrounding one of said core yoke portions, said solid insulation and said straight projections on said spools being in overlapping relation, said spools each comprising two similar shaped channel members embracing opposite sides of their respective winding legs and with their side parts in overlapping relation.

2,544,659
DICHROIC LIGHT-POLARIZING SHEET MATERIALS AND THE LIKE AND THE FORMATION AND USE THEREOF
John F. Dreyer, Springfield, Ohio, assignor, by mesne assignments, to John F. Dreyer, doing business as Dreyer Laboratories, Cincinnati, Ohio
Application May 14, 1946, Serial No. 669,698
12 Claims. (Cl. 88—65)

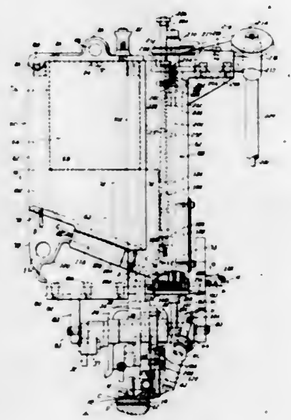


1. The method of producing polarizing material which comprises bringing into a common liquid phase a plurality of dichroic nematic materials, bringing said materials conjointly into the nematic phase while subjecting the molecules of the materials to an orienting influence and thereafter subjecting them to a mild but rapid solidifying influence to cause said materials to be solidified in their resulting oriented condition.

2,544,660
BENZHYDRYLUREA ADDITION COMPOUND AND METHOD FOR PREPARING SAME
Robert Duschinsky, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application November 17, 1949, Serial No. 128,004
2 Claims. (Cl. 260—553)

1. The addition compound α-amino-α,α-diphenylacetamide·benzhydrylurea.

2,544,661
APPARATUS FOR DISPENSING THERMOPLASTIC ADHESIVE
Joseph Fossa, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 31, 1946, Serial No. 719,423
10 Claims. (Cl. 12—80)

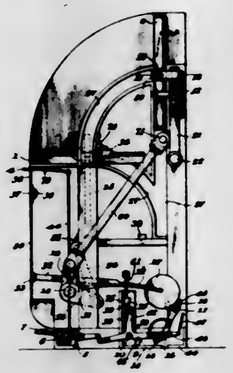


1. Apparatus for dispensing, from a container, thermoplastic adhesive which is solid at normal temperature, comprising a metallic receptacle formed to provide a chamber with an upper portion of substantially the same cross-sectional area as that of said container, and a lower portion of smaller cross-sectional area to provide a shoulder between said chamber portions for supporting an inverted open container of the adhesive in said upper portion, and means for heating said receptacle to free the adhesive from said inverted container and cause it to be delivered to said lower portion.

2,544,662
HANDKERCHIEF IRONING MACHINE
Edwin E. Foster, Austin, Tex.
Application August 24, 1943, Serial No. 499,844
14 Claims. (Cl. 38—22)

1. An ironing machine particularly for handkerchiefs and the like comprising a frame, a stationary head member secured on the frame,

a bed member movably mounted in said frame, means on the frame for moving and guiding said bed member from a position for removing an ironed handkerchief and placing a new handkerchief to be ironed to a position in contact with the head member to iron the handkerchief, and a leaf spring with a weight at one end mov-



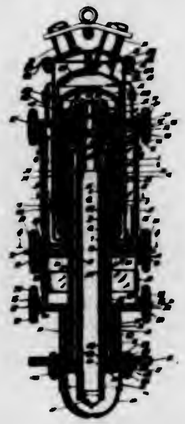
ably mounted in the frame at the other end and connected and operated to furnish the ironing force when the head and bed members are in contact with each other, and a latch pivotally mounted in the frame operable to contact and hold the weight in the force applying position during the ironing operation.

2,544,663
METHOD OF MAKING A CALCIUM HALOPHOSPHATE PHOSPHOR
David F. Fortney and Gerald L. Moran, Towanda, Pa., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application September 13, 1949, Serial No. 115,551
1 Claim. (Cl. 252—301.4)

The method of making a calcium halophosphate phosphor activated by manganese and antimony, said method comprising: intimately mixing as powders in the proportions necessary to form said halophosphate phosphor, ammonium chloride, calcium carbonate, secondary calcium phosphate, manganous and antimony salts reducible to the respective oxides, and calcium fluoride; and then firing the resultant mixture.

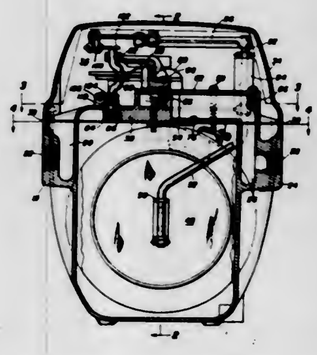
2,544,664
HIGH-FREQUENCY HIGH-POWER TUBE
Lloyd P. Garner and William N. Parker, Lancaster, and Willis E. Harbaugh, Bareville, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application March 17, 1949, Serial No. 81,932
55 Claims. (Cl. 250—27.5)

2. An electron discharge device, comprising a pair of supporting conductors in spaced apart relation, one of said supporting conductors having a plurality of channels formed therein, an electrode having a plurality of discrete spaced apart elements one in each of said channels and connected adjacent one end thereof to said supporting conductor, flexible means removably connected to each of said elements adjacent the other end thereof and supported on the other of said conductors, and resilient means on said



channeled conductor and in engagement with said flexible means.

2,544,665
GAS METER
Edward R. Gilmore, Pittsburgh, Pa., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1947, Serial No. 742,799
2 Claims. (Cl. 121—48)



1. In a gas meter, an open top body having main gas chambers and gas inlet and outlet passages, a ported cap plate secured upon the open top of said body and carrying bellows structures disposed within the respective main gas chambers, a valve seat casting comprising a plate secured upon said cap plate and provided at one end with valve seats, a slide valve on each of said seats, and actuating means for said valves mounted on the cap plate and operatively connected with said bellow structures including a crank shaft vertically disposed between adjacent ends of said seats, a renewable step bearing for the lower end of said shaft mounted in said cap plate, and bearing means for the upper end of said crank shaft secured to the valve seat casting between the valve seats thereof.

2,544,666
WERNER-TYPE CHROMIUM COMPOUNDS AS LAMINATING AND COATING COMPOSITIONS
Max T. Goebel, Rocky River, and Ralph K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1946, Serial No. 665,607
14 Claims. (Cl. 154—140)

14. A laminated article with laminae of glass bonded with an ethylenic polymer and a complex compound of the Werner type consisting of an acrylic functional acido group made up of a carboxyl radical joined to an alpha, beta-unsaturated carbon chain containing from two to six carbon atoms, the acido group being coordinated, through the carboxyl radical, with a nuclear trivalent chromium atom, the complex also containing additional coordinated nuclear trivalent chromium, the valence and coordination positions of all the nuclear chromium atoms, other than those positions occupied by coordinated functional acido groups, being occupied by groups selected from the class consisting of aquo groups, hydroxyl, and monovalent negative groups which are anions of monobasic acids, and the total number of nuclear trivalent chromium atoms within the complex being about two times the number of coordinated functional acido groups.

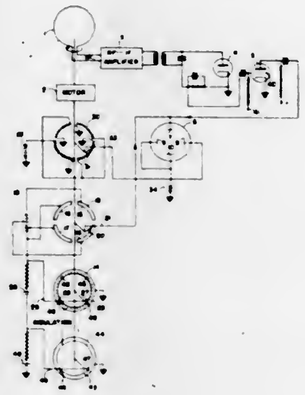
2,544,667
WERNER-TYPE CHROMIUM COMPOUNDS AS LAMINATING AND COATING COMPOSITIONS
Max T. Goebel, Rocky River, and Ralph K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1946, Serial No. 665,609
16 Claims. (Cl. 154—140)

16. A laminated article with laminae of glass bonded with an alkylol-condensation polymer and a complex compound of the Werner type consisting of a monocarboxylic functional acido group made up of a carboxyl radical joined to a group of the class consisting of primary alcohol, phenol and urea groups, the acido group being coordinated, through the carboxyl radical, with a nuclear trivalent chromium atom, the complex also containing additional coordinated nuclear trivalent chromium, the valence and coordination positions of all the nuclear chromium atoms, other than those positions occupied by coordinated functional acido groups, being occupied by groups selected from the class consisting of aquo groups, hydroxyl, and monovalent negative groups which are anions of monobasic acids, and the total number of nuclear trivalent chromium atoms within the complex being from one to ten times the number of coordinated functional acido groups.

2,544,668
WERNER-TYPE CHROMIUM COMPOUNDS
Max T. Goebel, Rocky River, and Ralph K. Iler, Cleveland Heights, Ohio, assignors to E. I. du pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1946, Serial No. 665,610
4 Claims. (Cl. 260—438)

1. A complex compound of the Werner type consisting of a monocarboxylic functional acido group made up of a carboxyl radical joined through a carbon chain to an amine radical, the acido group being coordinated, through the carboxyl radical, with a nuclear trivalent chromium atom, the complex also containing additional coordinated nuclear trivalent chromium, the valence and coordination positions of all the nuclear chromium atoms, other than those positions occupied by coordinated functional acido groups, being occupied by groups selected from the class consisting of aquo groups, hydroxyl, and monovalent negative groups which are anions of monobasic acids, and the total number of nuclear trivalent chromium atoms within the complex being from one to ten times the number of coordinated functional acido groups.

2,544,669
DIRECTION FINDER
Maxwell K. Goldstein, Washington, D. C.
Application August 9, 1945, Serial No. 609,908
5 Claims. (Cl. 343—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio direction finder, a receiver, a directional antenna system feeding said receiver including directional control means operative to rotate the antenna directional orientation continuously, means responsive to said control means to develop a recurrent triangular signal waveform synchronized at a harmonic of the antenna directional orientation rotation frequency, means to develop a stepwise signal waveform synchronized with inflection points of the triangular waveform and recurring at the antenna rotation frequency, means in said receiver operative to deliver an output signal when a particular directional characteristic of the antenna system is varied with relation to an incoming transmission, a cathode ray tube, means for deflecting the beam of said cathode ray beam responsive to the triangular signal waveform and the stepwise signal waveform to establish parallel rectilinear sweep loci on the cathode ray tube screen, and beam control means responsive to the receiver output signal.

2,544,670

METHOD OF FORMING COMPOSITE ALUMINUM-STEEL PARTS BY CASTING ALUMINUM ONTO STEEL AND BONDING THERETO

Howard L. Grange and Dean K. Hanink, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application August 12, 1947, Serial No. 768,270
10 Claims. (Cl. 22—204)

8. The method of forming composite metal articles which comprises immersing steel in a fused salt bath composed approximately as follows:

47% potassium chloride
35% sodium chloride
12% cryolite
6% aluminum fluoride

said fused salt bath having aluminum in contact therewith, said fused salt bath being maintained at a temperature within the range of 1300° to 1450° F., holding the steel in said molten salt bath until the steel reaches a temperature of at least 1250° F., removing the heated steel from the molten salt bath and while the steel is still heated immersing the same in a zinc alloy coating bath composed of 9% aluminum and the balance substantially all zinc, said zinc alloy coating bath being maintained at a temperature within the range 1325° F. to 1375° F., holding the steel in said zinc alloy coating bath for a time of at least two seconds to form a coating on the steel, removing the coated steel from said molten zinc alloy coating bath and before the coating has completely solidified inserting the coated steel in a mold and casting molten metal consisting of at least about 80% aluminum into contact with the coated steel.

2,544,671

METHOD OF FORMING COMPOSITE PRODUCTS CONSISTING OF FERROUS METAL AND ALUMINUM OR ALUMINUM-BASE ALLOY

Howard L. Grange and Dean K. Hanink, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application February 12, 1948, Serial No. 8,008
8 Claims. (Cl. 22—204)

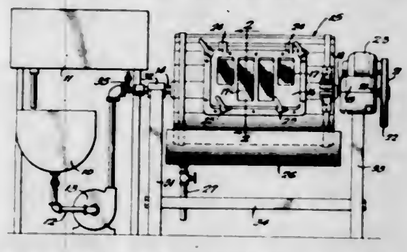
1. The method of forming a composite product of ferrous metal and a metal consisting of at least about 80% aluminum which comprises immersing the ferrous metal in a fused salt bath composed substantially as follows: 37 to 57 KCl; 25 to 45 NaCl; 8 to 20% Na_3AlF_6; 0.5 to 12% AlF_3; said fused salt being activated by aluminum in contact therewith, said fused salt being at a temperature within the range of about 1250° F. to about 1600° F., said ferrous metal having a temperature while in said fused salt bath, of at least about 1250° F., then immersing the heated ferrous metal in a molten metal coating bath consisting of at least about 80% aluminum, then removing the coated ferrous metal from the coating bath and, before the coating has completely solidified casting molten metal consisting of at least about 80% aluminum into contact with said coated ferrous metal.

2,544,672

CHEESE MANUFACTURE

Donald M. Greer, Hinsdale, and John L. Zink, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

Application December 9, 1947, Serial No. 790,628
1 Claim. (Cl. 99—116)



In a process for the preparation of cheese in which milk is treated to form the curd in whey, the steps of separating the curd from the bulk of the whey, intermittently rotating the curd in a treating zone open to the atmosphere to produce a folding and dropping of the curd, breaking up the curd into small particles during each of said intermittent rotations, holding the curd without rotation between said intermittent rotations to permit draining of additional whey from the curd in said treating zone, and finally withdrawing the treated curd from said zone.

2,544,673

ELECTRICAL METHOD OF ADHESIVE BOND TESTING

Bernard D. Haber, Montgomery County, Ohio

Application January 16, 1948, Serial No. 2,793
7 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of non-destructively testing adhesive bonds which comprises the step of making the bond at least part of the dielectric of an electrical condenser, ascertaining the capacitance of said condenser first substantially without pressure and then with pressure on the plates thereof and determining the difference between the capacitances.

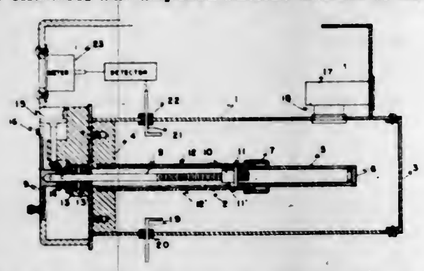
2,544,674

HIGH-FREQUENCY WAVE METER

John P. Hagen, Arlington, Va., and Frank C. Isely, Washington, D. C.

Application August 27, 1943, Serial No. 500,230
7 Claims. (Cl. 250—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A coaxial conductor wavemeter, comprising a pair of cylinders of different diameters concentrically disposed one within the other and shorted at one end by a metallic disc, a second metallic disc closing the opposite end of the outer cylinder in a manner to form a closed air chamber, input and output coupling means projected into the space surrounded by said outer cylinder, indicating means connected to said output coupling means for measuring current in said air chamber, and hygroscopic means exposed to said air chamber but disposed outside thereof to maintain a constant velocity of propagation within said air chamber.

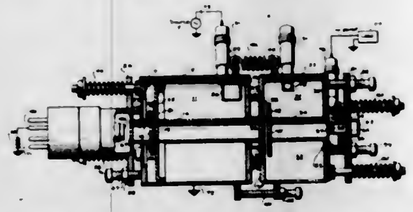


2,544,675

FREQUENCY MULTIPLIER OF THE CAVITY RESONATOR TYPE

Donald R. Hamilton, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application August 9, 1945, Serial No. 609,781
8 Claims. (Cl. 315—6)



4. High frequency apparatus comprising means for producing an electron stream, three pairs of electron-permeable electrodes positioned successively along the path of said stream, the electrodes of each of said pairs being closely juxtaposed to one another to provide narrow gaps therebetween, a cavity resonator coupled to the second of said electrode pairs, a second cavity resonator coupled to the third of said electrode pairs, means coupling a source of fundamental frequency to said first electrode pair, said first resonator being floating and tuned substantially to a harmonic of said fundamental frequency, and said second resonator being tuned substantially to a harmonic of said harmonic frequency, and a load coupled to said second resonator.

2,544,676

WITHDRAWN

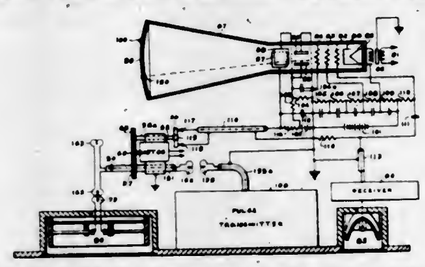
2,544,677

RADIO TRAIL NAVIGATIONAL SYSTEM

John Hays Hammond, Jr., and Ellison S. Purington, Gloucester, Mass., assignors, by direct and mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 6, 1945, Serial No. 581,234
5 Claims. (Cl. 343—10)

5. A system for determining the location of a plane or the like with respect to a reflecting radio trail, comprising a transmitter on the plane having means to transmit a directed radio beam toward the ground, means swinging said beam transversely to scan for said trail, means for modulating said transmitter at a frequency which varies in accordance with the angle of said beam with respect to a reference line, a receiver on said plane adapted to receive energy reflected from said trail in response to energization thereof by said beam, and indicating means responsive to the modulation frequency of said received energy to indicate the angular displacement of said beam at the instant of reception of said reflected beam, wherein said transmitter transmits energy



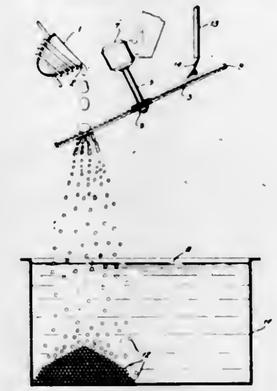
polarized substantially in a single plane and said receiver responds substantially only to energy polarized in a plane at right angles thereto, and said radio trail comprises a plurality of reflectors at spaced intervals along a line on the ground which is the vertical projection of the path to be followed by said plane, each of said reflectors comprising two substantially horizontal antennas spaced apart along said line and polarized substantially at right angles of each other, and a transmission line connected between said antennas.

2,544,678

APPARATUS FOR THE MANUFACTURE OF IRON SHOT

Robert R. Hancox, Kansas City, Mo., George L. Tuer, Jr., Cleveland Ohio, and Milo J. Stutzman, Kansas City, Mo., assignors to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware

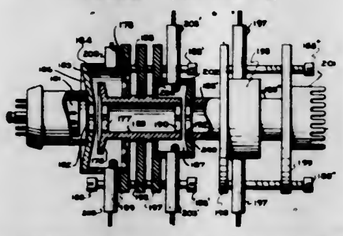
Application July 23, 1948, Serial No. 40,276
4 Claims. (Cl. 18—2.6)



1. Apparatus of the kind described comprising, in combination, supply means for maintaining a supply of molten metal and for discharging a stream thereof, a screen arranged below said supply means and in the path of a stream of molten metal falling from said supply means, said screen

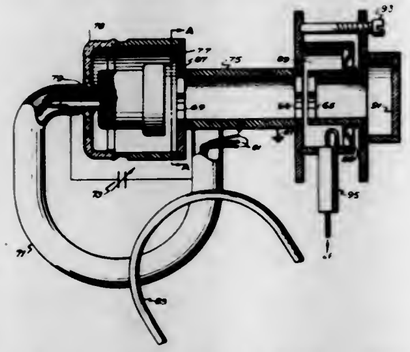
having substantially more than half its active area occupied by open spaces, means for moving said screen transversely of the path of the stream of molten metal falling from said supply means, and a quench tank arranged to receive particles falling from said screen.

2,544,679
HIGH-FREQUENCY ELECTRON TUBE STRUCTURE
William W. Hansen and John R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Original application October 23, 1941, Serial No. 416,170, now Patent No. 2,425,738, dated August 19, 1947. Divided and this application June 20, 1945, Serial No. 600,440
6 Claims. (Cl. 315—6)



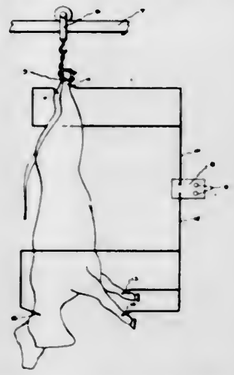
3. A frequency multiplier electron discharge tube comprising a source of electrons, means for forming said electrons into a stream, means positioned in alignment with the path of said stream consisting of a single apparatus tuned to a predetermined frequency for causing said electrons to form recurrent bunches, means positioned in alignment along the path of said stream comprising a cavity resonator tuned to a harmonic of said frequency for extracting energy from said bunched electrons, and a further cavity resonator means tuned to said harmonic frequency and coupled to said stream for further extracting energy from said stream.

2,544,680
HIGH-FREQUENCY ELECTRON TUBE STRUCTURE
William W. Hansen, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 28, 1945, Serial No. 602,007
11 Claims. (Cl. 315—6)



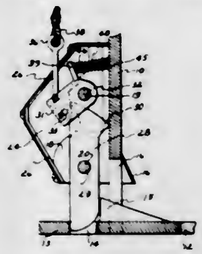
4. A frequency multiplier apparatus, comprising a source of electrons, means for projecting electrons from said source in the form of a stream and including a grid aligned with the path of said stream, a tuned circuit connected between said source and said grid, and a cavity resonator along said stream path and coupled to the stream passing through said grid, said resonator having a resonant frequency which is a harmonic of the resonant frequency of said tuned circuit.

2,544,681
TENDERIZATION OF MEAT
Albert Harsham, Cincinnati, and Fred E. Deatherage, Columbus, Ohio, assignors to The Kroger Company, Cincinnati, Ohio, a corporation of Ohio
Application March 18, 1947, Serial No. 735,458
17 Claims. (Cl. 99—107)



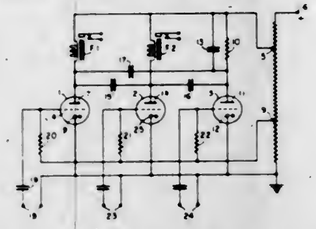
1. The process of conditioning meat to render it more susceptible to tenderization, which process comprises electrically stimulating the muscular tissue of the meat promptly after slaughtering of the animal and before the muscles have suffered substantial natural deterioration, to the extent that the irritability of the nerves and contractile tissues is substantially exhausted and thereby effecting release of a substantial portion of the latent energy of the muscular tissue.

2,544,682
LATCH
Walter A. Hilgeman, Fairview, Ill.
Application December 3, 1945, Serial No. 632,433
8 Claims. (Cl. 292—198)



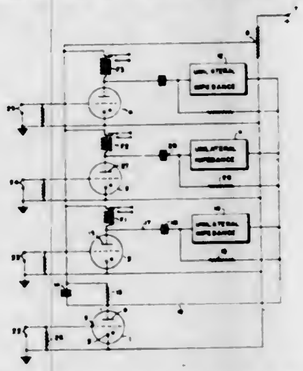
2. A latch for doors carrying weight against the latch when the door is to be opened, comprising a latching device attachable to the door, said device comprising a pair of spaced shaft supports, shafts extending therethrough, a latch-bar pivotally mounted on one of said shafts intermediate the length of said bar, said bar being adapted to engage a sill member of the door, a trip member pivotally mounted on the other shaft, said trip member comprising a roller engageable with said latch-bar to prevent pivoting thereof when in latching position, and tending to urge the latch-bar out of latching position when in non-latching position.

2,544,683
GAS TUBE CONTROL CIRCUIT
Conrad H. Hoeppner, Washington, D. C., and Carl Harrison Smith, Jr., Arlington, Va.
Application February 27, 1946, Serial No. 650,581
5 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



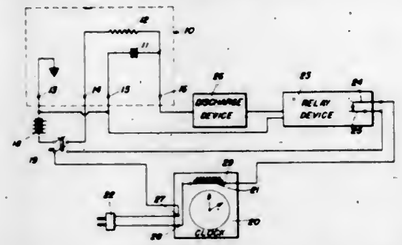
1. A control circuit comprising, a plurality of gaseous discharge tubes, space coupling means connecting all said tubes together operative responsively to discharge in any tube to terminate discharge in any other conducting tube, separate input connections for each of said tubes for applying discharge initiating signals to said tubes, means connected to at least one of said tubes for rendering it capable of supporting only a temporary discharge, and a plurality of utilization means, each of said utilization means being connected to a corresponding one of the remaining tubes and responsive to the discharge thereof.

2,544,684
GAS TUBE CONTROL APPARATUS
Conrad H. Hoeppner, Washington, D. C., and Carl Harrison Smith, Jr., Arlington, Va.
Application February 27, 1946, Serial No. 650,582
6 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Control apparatus comprising, a plurality of gaseous discharge tubes, separate coupling means connected between one of said tubes and each of the remaining tubes in said plurality operative responsively to discharge in said one tube to terminate discharge in any remaining conducting tube, separate signal input connections for each of said tubes for applying discharge initiating signals individually to each of said tubes, means rendering said one tube capable of supporting only a temporary discharge, and a plurality of utilization means each coupled to a corresponding one of said remaining tubes and responsive to the discharge thereof.

2,544,685
TESTING DEVICE
Frank H. Jackson, Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application February 20, 1946, Serial No. 649,094
6 Claims. (Cl. 175—183)

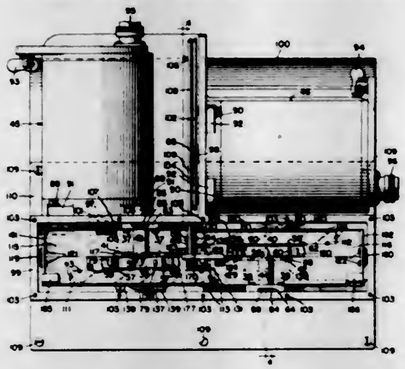


1. A testing device for measuring the time of charging of a capacitor through a resistance to a predetermined potential comprising a timer having an electrically operated control element adapted to start the timer when energized and to stop the timer when de-energized, means for simultaneously applying electric potentials to the control element to start the timer and to the capacitor under test through the resistor under test to begin charging said capacitor, and means to de-energize said control element to disable said timer including a gas-filled electron tube coupled to the capacitor under test and adapted to break down when said capacitor is charged to said predetermined potential, and also including means responsive to the breakdown to open the circuit to said control element, whereby said timer measures the time for charging said capacitor through said resistance to said predetermined potential.

2,544,686
IMAGE STABILIZING APPARATUS FOR TWIN LENS CAMERAS
Homer Jensen, Philadelphia, Pa.
Application July 1, 1946, Serial No. 680,786
11 Claims. (Cl. 95—12.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

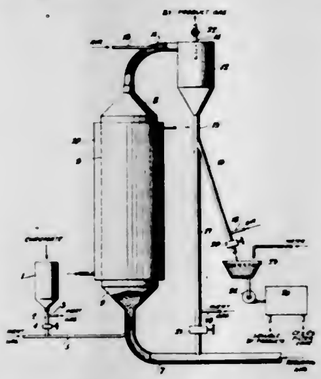
1. A stabilized optical system comprising a first lens and a second lens, a first pair of mirrors and a second pair of mirrors, said first pair of mirrors being mounted for rotation on axes individual thereto and arranged to reflect sequentially an image of an object into said first lens, said second pair of mirrors being mounted for rotation on axes individual thereto and arranged to reflect sequentially an image of the object into said second lens, a first gyroscope, means interconnecting said first gyroscope and one mirror of each pair of mirrors for

causing rotation thereof to compensate for angular movements in one plane of both said lenses with respect to the object, a second gyroscope, and means interconnecting said second gyroscope and the other mirror of each of said pair of mirrors for causing rotation thereof to



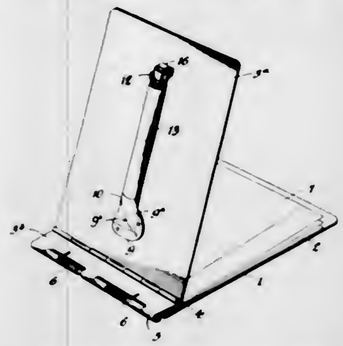
compensate for angular movement in another plane of both of said lenses with respect to said object, the compensating movements respectively controlled by the two gyroscopes taking place in two different planes of correction substantially normal to each other.

2,544,687
PRODUCTION OF CHROMIUM OXIDE
John C. Kalbach, New York, N. Y.
Application April 4, 1947, Serial No. 739,472
12 Claims. (Cl. 23—145)



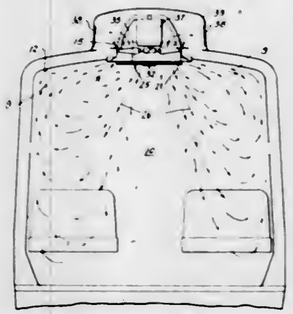
1. A continuous process for the manufacture of chromium oxide by the reduction of a comminuted compound of hexavalent chromium by reaction solely with a gasiform reducing stream, which comprises introducing said comminuted compound into a fluidized mass consisting essentially of the comminuted solid products of said reaction of said comminuted compound with said reducing stream, the rate of introduction of said comminuted compound being controlled to effect the entry of each part by weight of said comminuted compound into at least 5 parts by weight of said fluidized mass, passing said reducing stream through said fluidized mass maintained at an elevated temperature effective for said reduction, effecting said reduction of said comminuted compound within said fluidized mass by reaction solely with said reducing stream, withdrawing a gaseous reaction effluent from said fluidized mass, withdrawing a portion of said fluidized mass corresponding to the rate of introduction of said comminuted compound into said fluidized mass, and recovering chromium oxide from said withdrawn portion.

2,544,688
COMBINED CLIPBOARD AND FLASHLIGHT STRUCTURE
Kenneth E. Kelley, Niagara Falls, N. Y.
Application November 23, 1946, Serial No. 711,881
8 Claims. (Cl. 240—6.4)



1. In a device of the character described: a back; a cover; a clamping portion attached to said cover and back and bearing against said back, whereby one or more sheets adapted to receive writing or printing may be removably held on said back; said cover having an opening therethrough, and a lamp housing surrounding said opening and extending outwardly from said cover on the side away from said back and having a lamp receiving portion; said housing further having a light-reflecting interior surface adapted to reflect light from its interior through said opening to illuminate the inside surface of said back when said cover is in raised position.

2,544,689
AIR DISTRIBUTION UNIT
Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application April 12, 1946, Serial No. 661,788
6 Claims. (Cl. 98—40)



1. A unit for distributing air having, in combination, a shell flared at one end and having an air inlet at the other end, a deflector ring adjacent and beyond the flared end of said shell and coacting therewith to form a peripheral outlet between the ring and the shell for discharging part of the air delivered through said shell outwardly, the inner periphery of said ring defining a central outlet alined axially with said shell, a plurality of grille sectors arranged in said central outlet and each comprising a multiplicity of closely spaced substantially flat fins extending along chords of the sectors and inclined relative to the outlet axis to direct the air streams defined by said grille sectors along and outwardly from said axis, and a plurality of angularly spaced fan blades positioned in said shell and operable to impart a swirling action to the body of air flowing therethrough.

2,544,690
COLOR TELEVISION
Stanley J. Koch, Clifton, and Robert E. Rutherford, Nutley, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 26, 1946, Serial No. 718,364
6 Claims. (Cl. 250—164)



1. A color selection screen; embossments on said screen; facets on said embossments; said embossments being arranged so that each facet on each embossment is substantially parallel to a corresponding facet on adjacent embossments whereby a plurality of groups of surfaces is formed; a fluorescent coating on said screen, said coating being composed of different materials on said groups of surfaces, each of said materials being adapted to emit light of a different color than the others of said materials when excited by electrons; and a metallic layer covering said fluorescent coating, said metallic layer being permeable to electrons that strike it essentially perpendicularly and impermeable to electrons striking it substantially tangentially.

2,544,691
COATING COMPOSITIONS COMPRISING COPOLYMERS OF ACRYLIC ESTERS AND DICARBOXYLIC ACID ESTERS
Joseph H. Kugler and William E. Lundquist, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application December 23, 1943, Serial No. 515,462
9 Claims. (Cl. 260—78.5)

6. A composition for use in coating porous sheet material comprising an aqueous dispersion of a copolymer of about 65–80 parts of a lower acrylate ester with correspondingly about 35–20 parts of a compound of the formula

$$R-O-\overset{\overset{O}{\|}}{C}-CH=CH-\overset{\overset{O}{\|}}{C}-O-R'$$

where R and R' are alkyl groups having at least three carbon atoms and not more than six carbon atoms.

2,544,692
PRESSURE-SENSITIVE ADHESIVE TAPE
Joseph H. Kugler, St. Paul, and William E. Lundquist, Savage, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application April 20, 1949, Serial No. 88,688
4 Claims. (Cl. 117—122)

1. Permanently tacky and pressure-sensitive adhesive tape including a backing and a pressure-sensitive adhesive coating on at least one surface thereof, said coating comprising a copolymer of 100 parts of isobutyl acrylate and 5–10 parts of 2-ethyl butyl fumarate.

2,544,693
ULTRAMARINE AND PROCESS FOR MAKING SAME
Charles A. Kumins, Tuckahoe, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 8, 1947, Serial No. 778,729
15 Claims. (Cl. 106—305)

6. The method of producing ultramarine which comprises heating a mixture in proportions sufficient to produce an ultramarine blue, of sulfur, an alkali metal salt of an aliphatic carboxy acid and an alumino-silicate with the exclusion of air at a temperature of the order of 750° to 900° C. for twenty minutes to three hours, changing the ambient atmosphere to oxidizing conditions and continuing the heating under oxidizing conditions at a temperature of the order of 450° to 900° C. for one-half to three hours and cooling, washing and grinding the resultant product.

2,544,694
PROCESS FOR MAKING ULTRAMARINE
Charles A. Kumins, Tuckahoe, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 8, 1947, Serial No. 778,730
11 Claims. (Cl. 106—305)

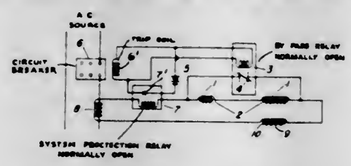
1. The method of making an ultramarine blue which comprises preparing an intimate mixture in proportions sufficient to produce an ultramarine blue, of an alkali metal salt of an aliphatic carboxy acid, rosin, sulfur, an alkali aluminate and silica, heating the mixture under reducing conditions between 600° C. and 900° C. for about three hours, and continuing the heating under oxidizing conditions between 500° C. to 850° C. for at least one-half hour, cooling, washing and grinding the product to pigment particle size.

2,544,695
PROCESS FOR MAKING ULTRAMARINE PIGMENT
Charles A. Kumins, Tuckahoe, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 8, 1947, Serial No. 778,731
10 Claims. (Cl. 106—305)

1. The method of obtaining an ultramarine blue which comprises calcining clay at 550° C. to 950° C., digesting the calcined product with caustic soda in excess of that required to convert all of the alumina of the clay to sodium aluminate, washing, preparing an intimate mixture in proportions sufficient to produce an ultramarine blue, of the washed product, sulfur and

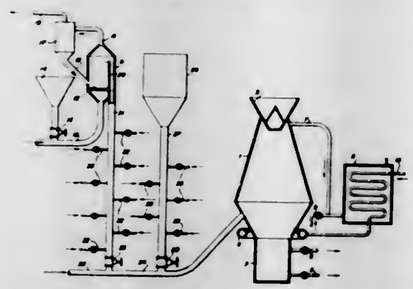
an alkali metal salt of an aliphatic carboxy acid, heating under reducing conditions for at least one and one-half hours at a temperature of the order of 600° C. to 900° C., lowering the temperature to 500° C. to 600° C. and maintaining such temperature in an oxidizing atmosphere and in the presence of oxides of sulfur for at least one hour, and cooling and washing the product.

2,544,696
ALTERNATING CURRENT MEASURING DEVICE AND METHOD
Martin J. Lantz, Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior
Application October 29, 1946, Serial No. 706,497
9 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A method of measuring by means of a normally demagnetized magnetizable link the peak of the last half cycle of an interrupted alternating current comprising the steps of applying to said link during the last cycle a magnetizing flux proportionate to the instantaneous value of said current, measuring the residual magnetism of said link to determine the peak current value of the last half cycle.

2,544,697
BLAST FURNACE OPERATION
Warren K. Lewis, Newton, Mass., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1946, Serial No. 719,543
3 Claims. (Cl. 75—41)

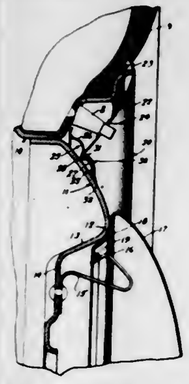


1. In the operation of a blast furnace in which ore, coke, and slagging constituents are fed to the top thereof in the usual manner and in which a blast of an oxygen-containing gas is fed to the tuyère level of said furnace, the improvement which comprises reducing finely-divided iron ore in the form of a fluidized bed in a reduction zone, withdrawing reduced ore from said zone and charging it in the form of an elongated fluidized column to said blast furnace at the tuyère level thereof for the purpose of melting and purifying the latter within the blast furnace.

2,544,698
POULTRY FATTENING COMPOSITION
Frederick W. Lorenz, Davis, Calif., and Clarence W. Sondern, Mendham, N. J., assignors to White Laboratories, Incorporated, Newark, N. J., a corporation of New Jersey
No Drawing. Application January 4, 1947, Serial No. 720,316
8 Claims. (Cl. 99—4)

1. A feeding composition for fattening poultry which includes a compound selected from the group consisting of dienestrol and diesters thereof with fatty acids containing less than 11 carbon atoms in the molecule.

2,544,699
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application July 7, 1945, Serial No. 603,661
14 Claims. (Cl. 301—37)



1. In a cover structure for a wheel including a multi-flange tire rim part and a wheel body part, a circular wheel cover including a radial outer annular portion of form-sustaining but resiliently deflectable plastic material disposed over exposed flanges of said rim part and concealed resilient cover retaining means cooperable with one of said wheel parts and having an edge engageable by a pry-off tool upon manual flexure of said annular cover portion axially from the wheel, said edge of said resilient retaining means, upon pressure thereon by the pry-off tool, yielding to disengage said retaining means from cover retaining cooperation with the wheel, said retaining means comprising a ring of a generally polygonal outline at its radially outer margin and having four equidistantly spaced corners, each of which is formed into a retaining finger, said ring being formed radially inward of said fingers for securement to said annular cover portion and having its central portion formed into a crown shape simulating a hub cap.

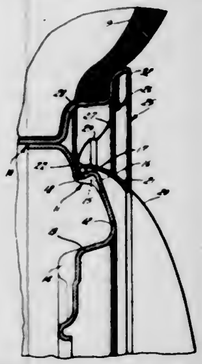
2,544,700
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application March 14, 1946, Serial No. 654,287
1 Claim. (Cl. 301—37)

In a wheel structure including a wheel comprising a tire rim and a central body part having an outer side face, a circular wheel cover for the outer side face of the body part and provided with a continuous springy turned edge, said body part having on its outer side a generally axially extending and radially outwardly facing shoulder of a diameter substantially less than that of said springy edge, portions of the shoulder projecting radially outwardly throughout the width of the shoulder and providing cover retaining bumps, said springy edge being engaged with said bumps in close proximity to the junctions of said bumps with the body part with the portions of the springy edge intermediate the bumps sprung radially and axially inwardly into tight engagement with the wheel side face as the portions of the edge engaging said bumps are stretched radially outwardly



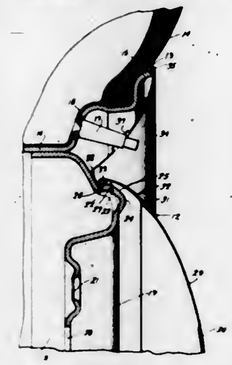
whereby said edge engages the bumps in spaced relation to the body and bears against the body at the portions between the bumps, and a circular trim ring positioned on the wheel radially outwardly of the bumps and having an inner margin notched out on a diameter greater than the diameter described by the bumps in order to entirely clear the bumps and having tabs narrower than the notches projecting generally radially inwardly toward said shoulder intermediate the bumps and said tabs being clamped against the wheel body by the portions of the springy edge intermediate the bumps.

2,544,701
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application April 1, 1946, Serial No. 658,713
7 Claims. (Cl. 301—37)



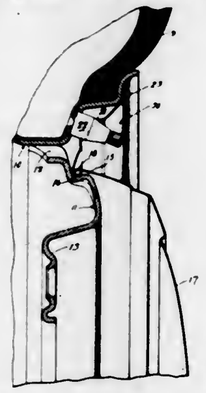
1. In a cover for the outer side of a vehicle wheel including a body portion having a generally radially outwardly facing shoulder, a cover annulus comprising two annular cover members joined together, the inner of the cover members having a plurality of generally radially inwardly extending tabs on its inner edge engageable with said shoulder, the spacing between tabs being of such width that the tabs comprise but a small proportion of the inner margin of the cover annulus.

2,544,702
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application January 17, 1947, Serial No. 722,660
9 Claims. (Cl. 301—37)



1. In a wheel structure including a tire rim and a load sustaining body part, the body part having a generally axially outwardly extending nose portion formed at its radially outer side with a generally radially outwardly facing shoulder having at annularly spaced points thereon hub-cap-retaining bumps which project throughout their effective extent radially outwardly beyond the shoulder, a trim ring cover member extending in concealing relation to the tire rim and having an inner marginal flange structure including generally radially inwardly extending biting fingers engaging said shoulder adjacent to the respective bumps, and a hub cap cover member having a reinforced flexible margin of a diameter to fit in snap-on relation over said bumps and engaging said shoulder at points intermediate the bumps but clearing the shoulder adjacent to the bumps whereby to afford clearance for said biting fingers.

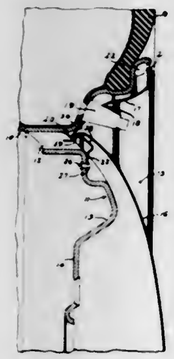
2,544,703
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application December 12, 1947, Serial No. 791,304
5 Claims. (Cl. 301—37)



1. In a wheel structure having a flanged tire

rim part and a wheel body part provided with an annular shoulder and cover retaining bumps projecting from and radially beyond said shoulder, an annular trim ring for disposition over at least a portion of exposed flanges of the tire rim part radially beyond the shoulder and having its inner peripheral edge notched to clear and fit over the bumps and with portions of the edge between the bumps provided with retaining fingers wedged into engagement with said shoulder.

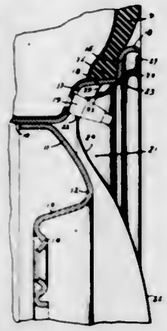
2,544,704
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application December 12, 1947, Serial No. 791,311
6 Claims. (Cl. 301—37)



1. In a wheel structure including a wheel having a multi-flanged and shouldered tire rim part and a body part with spaced wheel openings in the body part adjacent the junction of said parts, and cover retaining spring clips connected to the body part and having humped extremities projecting toward the wheel openings, a circular cover member including radially outer and inner portions opposite the rim and body parts respectively with their junction formed into a turned edge opposite the openings and inclined toward the clips for detachable engagement by the humped extremities of said clips, said radially outer cover portion being bottomed adjacent said turned edge against an inner flange of the tire rim part, and the outer edge of the cover being spaced away from an outer flange of the rim part so as to provide clearance for the disposition of a wheel weight between the edge and the tire rim part.

2,544,705
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application December 12, 1947, Serial No. 791,315
7 Claims. (Cl. 301—37)

1. In a wheel structure including a wheel having a multi-flanged and shouldered drop center tire rim part and a wheel body part, a circular cover for disposition over an outer side of the wheel and having an outer margin spaced axially outwardly from an outer flange of the rim part to provide clearance for the accommodation of a wheel balancing weight behind said edge and on the rim part, and means connected to the outer margin of the cover for detachably fastening the cover to a flange of the rim part comprising a ring nested in the outer margin of the cover and bottomed against a shoulder of the rim part be-

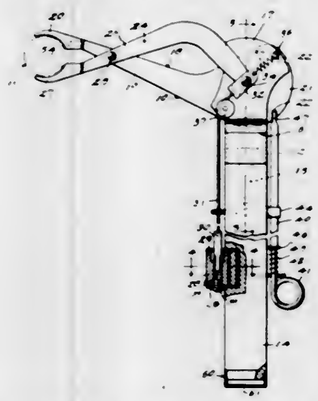


tween flanges of the rim part for centering the cover on the wheel.

2,544,706
PHOSPHORUS- AND NITROGEN-CONTAINING COMPOUNDS
John E. Malowan, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 12, 1948, Serial No. 43,956
3 Claims. (Cl. 260—249.6)

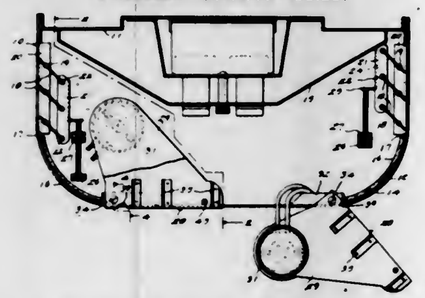
1. The insoluble complex composition obtained by the heating of 2 to 4 moles of melamine and one mole of phosphorus pentoxide to a temperature in the range of 300° C. to 500° C.

2,544,707
MECHANICAL DEVICE FOR RELAMPING FLUORESCENT FIXTURES
Louis Margolis, Washington, D. C.
Application October 8, 1946, Serial No. 701,925
2 Claims. (Cl. 294—20)



1. A relamping device of the kind described comprising a handle, a supporting member fixed on said handle, a lever member pivotally mounted on said supporting member, a second lever member pivotally secured between the ends thereof to said first lever member and spring pressed to released position, each of said lever members including a gripping jaw on the outer end thereof, said second lever member terminating substantially adjacent the pivot point of said first lever member, means for locking said first lever member in selected pivoted position, means for rocking said second lever member, said locking means including a spring-pressed locking member engageable in keeper slots in said first lever member, and an elongated rod on said locking member extending to a point adjacent the inner end of said handle whereby the latter may be disengaged by an operator at the lower end of said handle.

2,544,708
FLUORESCENT FIXTURE HAVING SWINGABLE MEMBERS CARRYING THE LAMPS
Louis Margolis, Washington, D. C.
Application October 8, 1946, Serial No. 701,926
3 Claims. (Cl. 240—51.11)

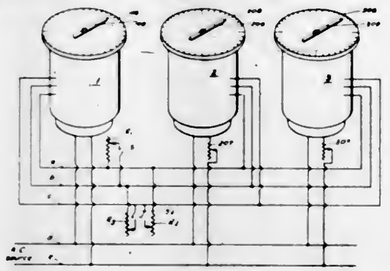


1. A fluorescent lighting fixture comprising a body having a top section, a reflector having spaced angular portions spaced apart by a horizontal portion spaced and positioned downwardly from the top section, side wall sections dependent from the top having oppositely spaced free edges spaced downwardly from the reflector, fixed end walls secured to the top section and side walls having free edge areas spaced between said side walls, swingingly mounted frames positioned between the spaced walls of the body having opposite ends pivotally carried by the end walls for movement downwardly from a closed position to an open position dependent from said end walls and substantially below the spaced edges of said body, said frames having opposed upwardly extended ends spaced from the reflector, lamp socket means carried by the ends of said frames, and fluorescent lamps adjacent said angular portions of the reflector insertable into the sockets or removable respectively from the sockets with the frames swung below the side walls and retaining means for locking the frames in a closed position.

2,544,709
METHOD OF PREPARING LOW MOLECULAR WEIGHT ISOCYANATES
John Philip Mason, Westwood, Mass., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application April 14, 1947, Serial No. 741,424
8 Claims. (Cl. 260—453)

1. A process of preparing low molecular weight isocyanates which comprises reacting a compound selected from the group consisting of acid halides and acid anhydrides, dissolved in an inert water-miscible organic solvent, with an aqueous solution of a normal metal azide of a metal selected from the class consisting of the alkali metals, the alkaline earth metals, and magnesium at a temperature between room temperature and −45° C. to obtain an acid azide, and decomposing the acid azide to obtain a low molecular weight isocyanate.

2,544,710
ELECTRICAL REPEATER SYSTEM
Thomas O. McCarthy and Wilbur W. Thomas, United States Navy
Application June 13, 1945, Serial No. 599,282
11 Claims. (Cl. 318—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electrical synchro signal-transmitting system comprising similar transmitter and repeater units, each of said units consisting of a polyphase armature and a rotatable field coil inductively coupled to said armature and excited from a common alternating current source to produce a torque field in said armature, a three-wire circuit interconnecting the armatures of the transmitter and repeater units in parallel, and individual impedance elements respectively connected across successive pairs of wires of said circuit, said impedance elements producing a reactive field in each armature which combines with said first mentioned torque field to produce a resultant torque field the angular position of which is dependent on the relative position between said transmitter unit armature circuit and said transmitter unit field coil, said resultant torque field determining the position of said repeater field coil.

2,544,711
METHOD AND APPARATUS FOR WELDING WITH GAS SHIELDS HAVING LAMINAR FLOW
George Mikhalapov, Far Hills, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,638
19 Claims. (Cl. 219—10)

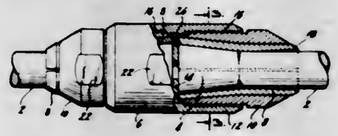
1. Apparatus for arc welding including, in combination, a tube through which an electrode is advanced toward the arc, a housing having a lower portion with an outlet that surrounds the part of the electrode immediately back from the arc end of the electrode for discharging an uninterrupted annular curtain of gas downward around the region of the arc and across the surface of the weld, an enlarged gas chamber at one end of the housing with a transverse cross section several times larger than the cross section of the annular curtain, an inlet conduit through which gas is supplied to the chamber, and a baffle located in the upstream portion of the chamber immediately downstream from the inlet conduit in position to spread the gas stream from the conduit outward across the chamber so as to decrease the rate of movement of the gas in the

chamber downstream of the baffle, said housing having a passage of uniform cross-section and



greater length than width for supplying gas from said chamber to the outlet at the lower portion of the housing.

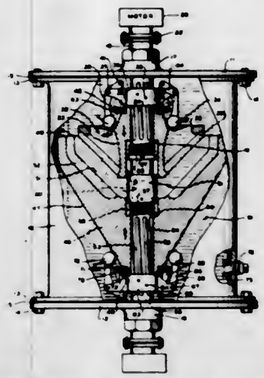
2,544,712
COUPLING
Albert W. Miller, Jamaica, N. Y.
Application November 10, 1945, Serial No. 627,880
7 Claims. (Cl. 287—80)



7. In a detachable coupling for a rod having an enlarged end, a body member having a hollow boss for receiving said end of the rod, a contractible collar embracing the rod adjacent said enlarged end, and a clamping sleeve, said clamping sleeve and said boss being screw-threaded together one within the other and one of said screw-threaded parts having a portion of its inner surface in clamping engagement with a portion of the outer surface of the contractible collar, said contractible collar by engagement with said enlarged end of the rod serving to prevent withdrawal of the rod.

2,544,713
AUTOMATICALLY ADJUSTABLE ROTARY TURBINE-TYPE HYDRAULIC COUPLING
Merle W. Miller, Philadelphia, Pa.
Application October 16, 1945, Serial No. 622,653
5 Claims. (Cl. 60—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A hydraulic transmission drive comprising a housing filled with a transmission fluid, an impeller having a plurality of radially converging vanes operable in said fluid, a turbine coaxial with said impeller having a plurality of radially converging vanes operable in said fluid, said impeller and said turbine being axially displaceable relative to one another, two centrifugal means respectively mounted on and operable with said impeller and said turbine to control the respective relative position and thereby the speed of the latter in accordance with the speed of the former, and means for preventing the vanes of



said impeller and said turbine making physical contact with each other.

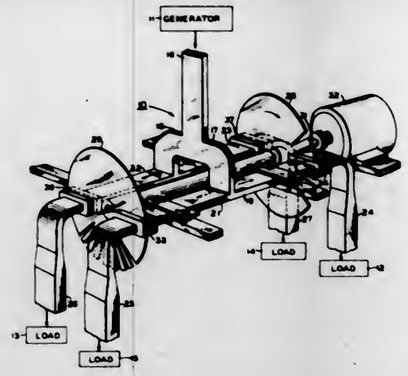
2,544,714
WATER-RESISTANT ADHESIVE
Edward E. Moore, Yonkers, N. Y., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 12, 1949, Serial No. 104,387
14 Claims. (Cl. 260—17.3)

1. A dry powder composition consisting essentially of 78 parts of a modified starch which has a water-solubles content in the range of about 0 to 30% and gives a 10 to 30 gram dispersion in 100 cc. of water having a 50 cc. standard pipette viscosity in the range of 35 to 40 seconds when heated to 85° C., 5 to 10 parts of a water-soluble heat-hardenable urea-formaldehyde condensate, 5 to 15 parts of an acidic material which gives a 3% aqueous solution having a pH in the range of 3.0 to 3.6, and 0.5 to 2 parts of a technical water-soluble salt of an organic sulfuric reaction product containing an alkyl radical of from 8 to 18 carbon atoms and a radical selected from the group consisting of a sulfate ester radical and a sulfonic radical, said composition being characterized by giving a stable adhesive paste upon cooling a 28.6% solids aqueous dispersion thereof which paste has a pH in the range of 3.0 to 3.6 and a Brookfield viscosity at 25° C. in the range of 700 to 3500 cps. and which develops into a water resistant bond upon drying and standing at room temperature.

2,544,715
WAVE GUIDE MODULATING AND SWITCHING APPARATUS
Robert B. Muchmore, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 30, 1945, Serial No. 613,639
4 Claims. (Cl. 178—44)

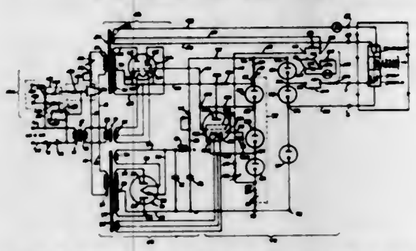
1. A modulator for aircraft instrument landing systems and the like, including two pairs of output wave guides extending from respective loads to four corresponding feed points, each of said wave guides at its end adjacent the respective feed point including a resonant iris, two branch wave guides each extending from one of said feed points associated with one of said pairs of output guides to the corresponding feed points associated with the other pair of said output

guides, the ends of said branch guides being spaced from the ends of said respective output guides to form gaps, and choke coupling means at said feed points to minimize radiation from said gaps transversely thereof, series T junctions at the longitudinal centers of said branch wave guides, a further wave guide connecting said junctions, a parallel T junction at the mid-



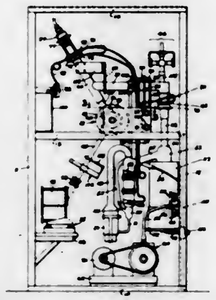
point of said further guide, an input wave guide connected at one of its ends to said parallel T junction, a radio frequency source connected to the other end of said input wave guide, and movable shutter means interposed in said gaps at said feed points for covering and uncovering said irises to control the distribution of energy from said source to said loads.

2,544,716
FILAMENT-PLATE VOLTAGE SYSTEM
Alfred O. C. Nier, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application October 31, 1947, Serial No. 783,432
9 Claims. (Cl. 250—41.9)



1. In a power supply system for mass spectrometers and the like thermionic tubes having a heated filament and a plate for accelerating and collecting the electrons emitted therefrom, variable voltage means connected to said filament, variable plate voltage supply means connected to said plate and filament, means responsive to the electron emission of the filament connected to the voltage supply means for increasing and decreasing the voltage of said variable voltage means connected to said filament in response to variations in emission from said filament, said plate voltage supply means including a pair of supply lines between which a relatively constant voltage is maintained and a series of resistances across said supply lines one of which resistances connected adjacent one end of the series and the last of which resistances at the other end are variable and connected together so that as one is increased the other is correspondingly decreased, said filament and plate being connected to an intermediate point on said series and to one of the supply lines respectively.

2,544,717
MASS SPECTROMETER APPARATUS
Alfred O. C. Nier, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application October 31, 1947, Serial No. 783,434
8 Claims. (Cl. 250—41.9)

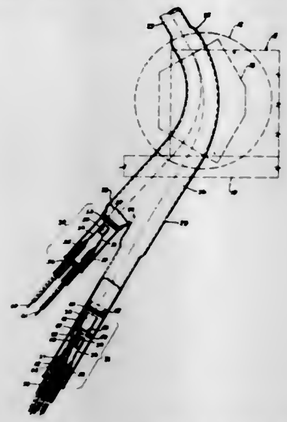


1. A mass spectrometer comprising a frame, a magnet fixedly mounted on the frame, said magnet having spaced pole faces, an evacuatable system, said system having a tubular cross connection above the magnet extending in a generally horizontal direction, said cross connection having connected therewith at each end generally upright portions, the portion at one end being a vacuum pump and the portion at the other end being an ion path having unaligned straight portions connected end to end by a curved segment and an adjustable supporting means for said evacuatable system providing for adjustably positioning said system as a unit with reference to the frame for adjusting the curved segment of ion path with reference to the magnet pole faces.

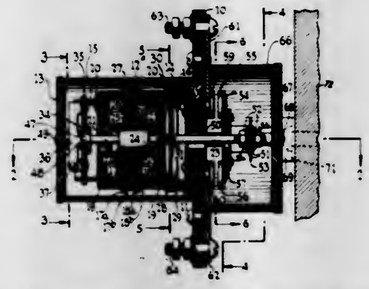
2,544,718
ION COLLECTOR FOR MASS SPECTROMETERS
Alfred O. C. Nier, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application July 30, 1948, Serial No. 41,493
3 Claims. (Cl. 250—41.9)

1. In an isotope mass spectrometer having an evacuatable vessel presenting an ion path, means in said vessel for projecting a beam of ions along said path and magnetic means for deflecting the ions in said beam, the improvement comprising a plurality of electrodes for collecting ions after they are deflected, said electrodes comprising a plurality of open ended cups arranged so that the open ends of the cups are directed oppositely to the path of movement of the deflected ions, said cups being arranged so that their axes are slightly displaced and one of them displaced farther along the path of movement of the ions than is the other the cup electrode most remote from the source of said ion beam being provided with a closed bottom and the cup electrodes intermediate said remote cup electrode and said ion beam source each having a bottom provided with

an aperture, each of said apertures being aligned with the open end of the cup electrode immediately disposed to the rear thereof and separate circuits to each cup.

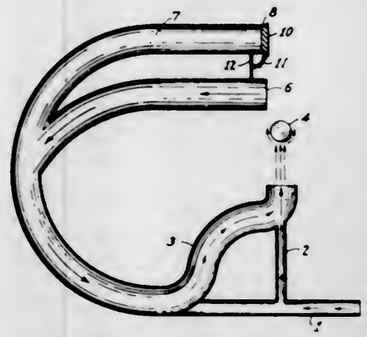


2,544,719
ELECTROMAGNETIC CIRCUIT BREAKER
Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application August 22, 1945, Serial No. 612,012
1 Claim. (Cl. 200—100)



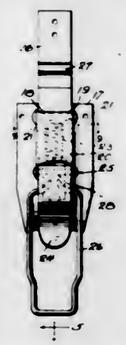
An electrical circuit breaker comprising a casing; a set of contacts respectively connected in a load circuit; "On" and "Off" coils stationarily mounted in said casing; an armature in electromagnetic relation with said coils; means including a switch rod for reciprocally mounting said armature; and contacts carried by said switch rod for engagement with said load circuit contacts upon excitation of said "On" coil; in combination with a pair of electrical contact arms spring closed to close the circuit connections with said "On" coil; means carried by said switch rod for separating said pair of contact arms to break the circuit through said "On" coil; and a contact engageable by one of said contact arms when said contact arms are separated for closing the circuit through said "Off" coil; whereby excitation of said 'On" coil moves said armature and said switch rod to close the load circuit, to break the circuit through said "On" coil, and to close the control circuit through said "Off" coil preparatory to control switch operation; and whereby excitation of said "Off" coil moves said armature and said switch rod to break the circuit through said "Off" coil and to release said contact arms for spring closing to close the circuit through said "On" coil preparatory to control switch operation.

2,544,720
PNEUMATIC TOY
Eduardo Ospina-Racines, Bogota, Colombia
Application May 29, 1948, Serial No. 30,141
10 Claims. (Cl. 46—44)



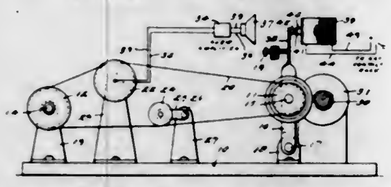
1. An amusement device comprising a tube adapted for flow of a fluid jet thereout and a tubular conduit, one end of which conduit debouches into said fluid jet and is in aspirated relationship to said fluid jet so as to establish flow in said tubular conduit, the other end of said tubular conduit being in aspirating relationship to said fluid jet at a point further from the mouth of said tube than said first end.

2,544,721
HINGE FOR TRUNKS OR LOCKERS
Frederick T. Paden, United States Army, Collingswood, N. J.
Application March 29, 1945, Serial No. 585,507
11 Claims. (Cl. 16—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A hinge comprising two leaves, a pintle secured to one leaf, guide means on the other leaf for slidable retention of said pintle, releasable means for slidably moving said leaves towards each other in a direction substantially parallel to their faces, and resilient means urging said leaves in the opposite direction.

2,544,722
APPARATUS FOR PRODUCING NOTES AND SOUNDS OF A MUSICAL CHARACTER
Pierre P. Pattyn, Detroit, Mich., assignor to Modern Products Corporation, a corporation of Delaware
Application June 15, 1949, Serial No. 99,233
6 Claims. (Cl. 179—100.2)



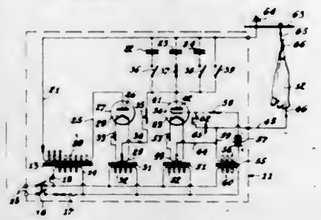
1. A music reproducing means comprising a pair of wheels disposed in spaced relation, a base, a fixed mounting for one of said wheels carried by said base, a rockable mounting for the other of said wheels carried by said base, an endless magnetized tape engaging over said wheels having upper and lower runs, a drive wheel fixed relative to one of said pair of wheels, a drive shaft, electro-magnetic means correlated with said rockable mounting for swinging said drive wheel into contact with said drive shaft, gravity actuated means engaging one run of said tape for maintaining the latter substantially taut, and an electro-magnetic pickup carried by said base between said wheels and engaging the other run of said tape for activation by the latter.

2,544,723
MACHINE FRAME
Frederick A. Prahl, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 25, 1945, Serial No. 606,895
3 Claims. (Cl. 248—121)



1. A fabricated frame for a machine of the type described having rigid, cast metal, machine supporting and base members, in combination with a shock absorbing connection between said members comprising a hollow vertical column formed from a single rectangular plate of relatively resilient sheet metal bent into an open box-like structure of C-shaped cross section with closed front and side walls and substantial vacant space inside, the fourth side of the column being partly closed but with a heightwise opening and flanged end plates, having their flanges fixed to the front and side walls of the column and being secured to the machine supporting and base members by fastenings spaced inwardly from the flanges thereon to accommodate torsional action in the column through flexure of the plates between the flanges and the fastenings at right angles to the planes of the plates.

2,544,724
APPARATUS AND METHOD FOR THE TENDERIZATION OF MEAT
Harvey C. Rentschler, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 18, 1947, Serial No. 735,335
7 Claims. (Cl. 99—107)



1. The method of treating meat, comprising passing electrical impulses, of short duration, at predetermined time intervals, and at potentials in the range between and including 3,000 to 1,750 volts, through the carcass of an animal very soon after slaughtering and bleeding, and before natural deterioration resulting in a substantial loss of nerve and muscle irritability has taken place, in order to effect tenderization.

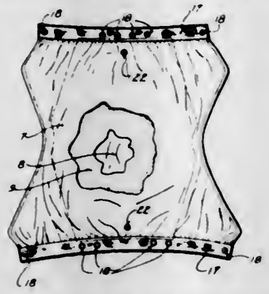
2,544,725
METHOD OF REFINING GLYCERIDE OILS
Theodore H. Rider, Hinsdale, and Solomon D. Gershon, Chicago, Ill., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application May 19, 1947, Serial No. 749,083
8 Claims. (Cl. 260—420)

1. A process of refining a glyceride oil containing dissolved undesirable impurities, which comprises adding to said oil an amount in the range of 0.5 to 10% of an oil soluble partial higher fatty acid ester of a polyhydroxy aliphatic compound containing at least one free hydroxyl group, then mixing water therewith, and then separating the aqueous phase from the refined oil phase, said aqueous phase containing undesirable impurities removed from the oil, and said refined oil phase containing said ester.

2,544,726
INFANT'S GARMENT
Pearl M. Rogatz, Milwaukee, Wis.
Application May 22, 1947, Serial No. 749,843
1 Claim. (Cl. 128—287)

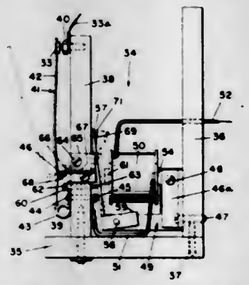
A diaper-like garment for infants comprising: a panti forming unit consisting of two layers of soft fabric material with a layer of water-proof material therebetween, said unit having substantially parallel opposite edges and having its sides arcuately cut out to give the mid-portion of the unit considerably less width than said opposite edge portions; elastic bands secured to said edge portions and extending along the length thereof to shirr the same; a fastener on each end of each

of said edges; a plurality of fasteners on each of said edges spaced inwardly from the ends thereof and disposed at spaced intervals along said edges, said last named fasteners being engageable with said first named fasteners to secure the corresponding side portions of said opposite edges to one another about the waist of an infant when the garment is applied loin-cloth fashion with the mid-portion of said pantie forming unit serving as a crotch and with the opposite edge portions overlapping a substantial



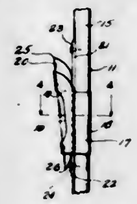
distance over the hips of the wearer to substantially close the sides of the garment, and so that said overlapping portions cooperate with said mid-portion to define leg openings automatically adjustable in size, the amount of overlap of said portions being adjustable by engagement of said first named fasteners with different ones of said second named fasteners to conform to the waist of the wearer; a removable crotch pad unit; and cooperating fasteners on said pad unit and the panti unit for readily removably holding the pad in place thereon.

2,544,727
CIRCUIT BREAKER
Anthony Rufolo, New York, N. Y.
Original application April 20, 1945, Serial No. 589,447, now Patent No. 2,532,336, dated September 11, 1950. Divided and this application November 7, 1946, Serial No. 708,365
4 Claims. (Cl. 200—106)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



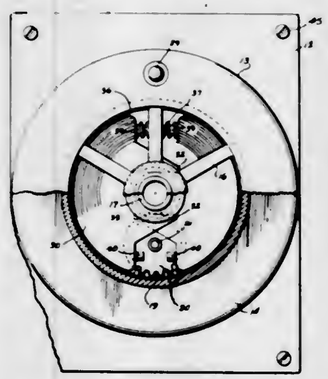
4. A latch-trip switch comprising a support, a fixed electric contact on said support, a movable electric contact wire adapted to move into closed position in engagement with said fixed contact and into open position out of engagement with said fixed contact, integral wire means at one end of said contact wire yieldingly urging said movable contact wire into open position, a loop in said movable contact wire intermediate its ends, a lever mounted for rotation about a fixed axis on said support into open and closed position, and latch means on said lever selectively engageable with the loop of said movable contact wire to retain said lever and movable contact wire in closed position, said lever being rotatable into open position to disengage said latch means from the loop of said movable contact wire to permit said movable contact wire to move into open position.

2,544,728
MINERAL SAMPLING IMPLEMENT
Henry S. Safford, Little Rock, Ark.
Application January 7, 1949, Serial No. 69,705
6 Claims. (Cl. 73—425.2)



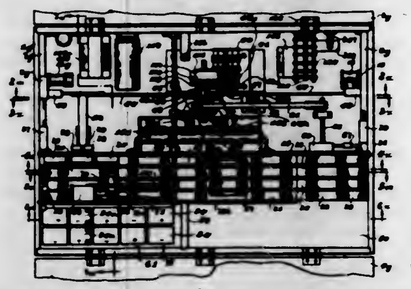
4. A mineral material sampling implement comprising an elongated stem, a scoop support carried thereby, said scoop support having a stem encircling portion and a tapering scoop receiving pocket extending laterally of the stem encircling portion, a removable tapering material collecting scoop carried by said tapering scoop receiving pocket, and said scoop receiving pocket having an open upper end through which said scoop extends.

2,544,729
FIRE ESCAPE CABLE DRUM
Walter Schauer, Annapolis, Md.
Application January 10, 1947, Serial No. 721,378
4 Claims. (Cl. 254—159)



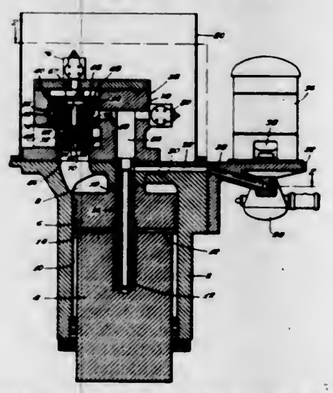
1. In a fire escape device, a drum with flanges at the ends, a cable on said drum with one end attached thereto, a wall bracket with a shaft extending therefrom, means rotatably mounting the drum on the shaft, a clutch collar rotatably mounted on the said shaft, a releasable clutch element geared to the drum positioned to coact with the clutch collar, weights positioned in the drum slidably mounted on the collar, and a handle secured to the drum for rotation thereof.

2,544,730
ELECTRIC RATTRAP
Edward W. Schulz, Rochester, N. Y., assignor to Frank Keiper, Rochester, N. Y.; Elizabeth P. Keiper executrix of said Frank Keiper, deceased
Application November 22, 1947, Serial No. 787,547
5 Claims. (Cl. 43—69)



1. In an animal trap, the combination of a runway open at both ends, a sliding door at each end of the runway adapted to drop and close the ends of the runway, a partition at the side of the runway having an opening therein, a sliding door adapted to close the opening, a ramp leading from said opening on the far side of the partition, an upper deck to which said ramp leads, a hinged trap door forming part of said upper deck, a door adapted to slide upwardly between the hinged door and the rest of the upper deck, means for releasing the first and second doors at the same time to thereby close the runway, means for thereafter releasing the third door, the three doors dropping by gravity and closing the openings adjacent thereto, means for releasing and raising the fourth door to separate the hinged door from the balance of the deck, means for releasing the hinged door and permitting it to drop, means for returning all of the doors to their original position, and means for holding said doors in their original position.

2,544,731
PREFILL VALVE
Robert K. Sedgwick, Oak Park, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 18, 1948, Serial No. 15,531
13 Claims. (Cl. 121—38)



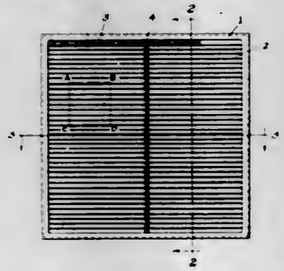
1. A prefill valve for an hydraulic circuit having a motor with advance and return chambers and ram means reciprocal therein, and a reservoir of low pressure fluid; said valve comprising a body member having a vertical cylindrical chamber including an upper larger diameter portion and a lower smaller diameter portion, a passage in said body member beneath the smaller diameter portion of said chamber adapted to accommodate flow of fluid between the reservoir and the advance chamber, a valve stem member having a larger diameter portion and a smaller diameter portion slidably fitted within respective portions of the valve chamber in substantially fluid-tight engagement therewith, said valve stem member being adapted in closed position to cut off communication between said reservoir and the advance chamber, a passage through said valve stem member affording flow of fluid at all times from the advance chamber to the top of the larger diameter portion of the valve chamber, the top area of said stem member being greater than the bottom area thereof, another high pressure passage in said body member connected to the return chamber and connected to a section of the larger diameter portion of the valve chamber containing a downwardly facing area of the stem member, a low pressure passage in one of the members adapted to connect the reservoir to said other high pressure passage, and valve means within said one member comprising a vertically movable valve element having a top pressure area connected to the top of the valve chamber and having a downwardly facing pressure area connected to said other high pressure passage, said element being adapted in its upper closed position to cut off communication between said low pressure passage and said other high pressure passage and being adapted in a lower open position to accommodate flow of fluid between said low pressure passage and said other high pressure passage, and spring means in said one member for yieldingly biasing the valve element to the closed position thereof.

2,544,732
METHOD FOR RENDERING A FABRIC GERMICIDAL
Isaac L. Shechmeister, United States Navy, Berkeley, Calif.
No Drawing. Application September 27, 1945, Serial No. 619,005
3 Claims. (Cl. 117—139.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of rendering a fabric germicidal comprising the steps of: intimately contacting the fabric with a mineral oil in water emulsion stabilized by a non-ionic surface-active emulsifying agent selected from the group consisting of polyethylene - glycol - monoiso - octyl-phenyl-ether and polyoxyalkylene ether of a partial oleic acid ester, said emulsion used to contact said fabric containing an amount of mineral oil equivalent to from about 0.5 to about 5 percent by weight based on the dry fabric and an amount of non-ionic surface-active emulsifying agent equivalent to about 2 to 15 percent by weight based on the blend of oil and emulsifying agent; adding to said emulsion in contact with the fabric a cationic surface-active germicidal detergent selected from the group consisting of benzalkonium chloride, paratertiary-octylphenyl-diethoxy-dimethyl-benzyl-ammonium chloride, lauryl-dimethyl-benzyl-ammonium chloride, cetyl-dimethyl-benzyl-ammonium chloride, lauryl-ethyl-methyl-amide of trimethyl-ammonium chloride, lauryl-pyridinium-iodide, and lauryl ester of glycine hy-

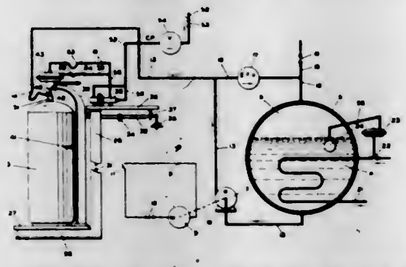
drochloride, said cationic surface-active germicidal detergent being added in an amount equivalent to from about .05 to 1.35 percent by weight based on the dry fabric; and drying to remove the water phase of the emulsion from the treated fabric.

2,544,733
FILTERING MEDIA
Frederick A. Shuler, Columbus, Ohio
Application March 6, 1947, Serial No. 732,837
3 Claims. (Cl. 183—45)



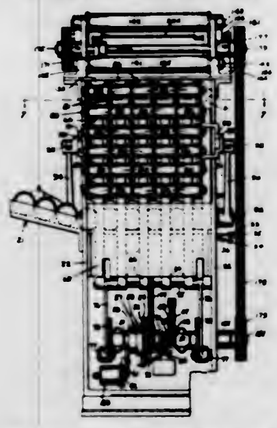
1. In a filter for removing odorous qualities from gases; a substantially rigid rectangular outer frame of relatively slight depth; a multiplicity of spaced substantially parallel flexible webs carried within said frame; and a plurality of layers of granular odor-adsorbing material carried between and substantially filling the spaces between said webs, the granules of odor-adsorbing material being adhesively united to adjacent surfaces of said webs to prevent relative displacement of said granules with respect to said webs.

2,544,734
AUTOMATIC FILLER
Theodore A. St. Clair, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 14, 1947, Serial No. 760,834
11 Claims. (Cl. 249—63)



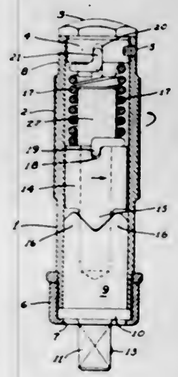
1. Apparatus for filling containers with a predetermined weight of a fluid, comprising in combination container weighing means, a fluid dispensing line for filling said containers with said fluid, means for positioning one of said containers so that it is weighed by the container weighing means and is aligned for connection to said fluid dispensing line, connecting means for connecting said line to said container, disconnecting means urging said connecting means away from and out of connection with said container, power operated means for overcoming said disconnecting means and for connecting said fluid line and said container by said connecting means, a pressure fluid supply line disposed and connected to supply fluid under pressure through a first and second conduit to actuate said power operated means, valve means closing said first conduit whenever said power operated means is fully retracted by said disconnecting means, manual valve means controlling fluid flow in said second conduit, and valve means controlled by said container weighing means cutting off said pressure fluid supply line and venting said first conduit to the atmosphere when said container contains said predetermined weight of fluid comprising a first three way valve having said ways connected to said first conduit, said pressure fluid supply line and the atmosphere respectively, and having a first valve head biased to close said way to the atmosphere, and pressure fluid operated means to urge said first valve head to open said way to the atmosphere and close said pressure fluid supply line to said way to said first conduit and a second three way valve having said ways connected to said pressure fluid operated means, said pressure fluid supply line and the atmosphere respectively, and a second valve head movable by said container weighing means to urge said second valve head to close only said way in said second three way valve to said fluid supply line when said container has insufficient weight, said second valve head moving to close only said way in said second three way valve to the atmosphere when said container contains said predetermined weight of fluid.

2,544,735
MAGNETIC STACKING AND PACKAGING MACHINE FOR CANS
John C. Strickler, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1945, Serial No. 594,218
15 Claims. (Cl. 226—15)



1. In a machine for packaging metallic containers, the combination of a support for the containers, means for holding a package to receive said containers, magnetic means movable relative to said support for moving containers from said support into a position adjacent said package holding means, auxiliary magnetic means for holding the containers in their displaced position until a unit of a plurality of the containers is assembled adjacent said package holding means, means for moving the unit of containers from its assembled position into the package held by said package holding means, and means for rendering said magnetic means effective to release said containers after moving the containers into the sphere of influence of said auxiliary magnetic means.

2,544,736
ROTARY IMPACT HAND TOOL
Otto E. Szekely, United States Navy
Application May 23, 1945, Serial No. 595,377
1 Claim. (Cl. 81—52.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

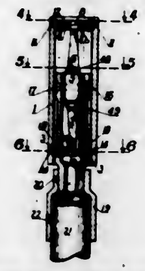


In a hand tool for imparting rotational movement in either direction to threaded fasteners, a casing providing a hand grip and adapted to be rotated about its axis, a driver member in said casing extending from one end thereof, a hammer member rotationally and axially movable within said casing, a plurality of cooperatively engaged rounded sawtooth shaped cam portions on the adjacent circumferential end faces of said driver and hammer members, and a spring within said casing secured thereto by one end and secured by the other end to said hammer member, said spring operable to resiliently restrain movement axially and rotationally of said hammer member relative to said casing and thereby to transmit rotational movement of said casing through the engaged cam portions to said driver member until external restraint of rotational movement of said driver member restrains cooperative movement of said hammer member and applies torsional force to said spring whereupon said spring is distorted and compressed to the extent that the engaged cam portions disengage and reengage upon succeeding cam portions to impart rotational blows on said driver member due to the rotational force momentarily stored in said spring.

2,544,737
11-OXABICYCLO[4.4.1]UNDECANES AND THEIR PREPARATION
Clement W. Theobald, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 7, 1949, Serial No. 69,843
10 Claims. (Cl. 260—333)

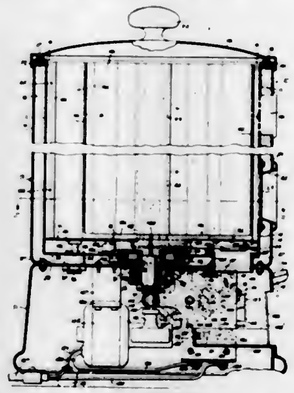
10. The chemical compound 11-oxabicyclo-[4.4.1]undecane.

2,544,738
FORCE MEASURING DEVICE
Lester M. Tint, Palo Alto, Calif.
Application August 2, 1945, Serial No. 608,545
5 Claims. (Cl. 73—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dynamometer, comprising: a support adapted to be mounted on a member to be force analyzed; an elongated strainable member having end portions of rectangular cross-section, said member being supported intermediate its ends by said support, in a position normal to the forces to be measured; unitary means for transmitting said forces to the ends of said strainable member; and strain-sensitive wire gages mounted on each of the surfaces of said strainable member and connected to form two independent Wheatstone bridges so that adjacent gage arms of the bridges lie on surfaces opposite to one another and opposing gage arms of the bridges lie on surfaces on the same side of said strainable member, and said bridges including galvanometer elements of separate recording oscillographs for indicating bridge unbalance.

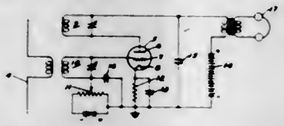
2,544,739
MECHANICAL BUTTER DISPENSING MACHINE
Thomas A. Tischler, Detroit, Mich.
Application May 12, 1948, Serial No. 26,613
8 Claims. (Cl. 31—21)



1. A machine for dispensing pieces of butter-like material from blocks thereof, comprising a supporting structure having a butter pat outlet opening therein, a material holder on said structure having a passageway slidably receiving said block, a material cutter arranged adjacent said outlet opening, feed mechanism for moving said holder and said cutter relatively to one another

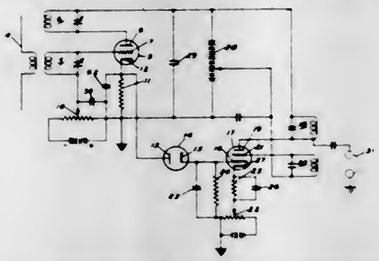
to sever pieces of material from a block thereof, a material marking member mounted adjacent said holder, and devices operable in timed relationship with said feed mechanism for moving said member and said block into mutual engagement upon the arrival of said passageway at said marking member.

2,544,740
RADIO PULSE COMMUNICATION SYSTEM
Arthur A. Varela, Washington, D. C.
Application October 27, 1938, Serial No. 237,221
17 Claims. (Cl. 250—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



13. A radio signal receiver, comprising means responsive to each signal pulse in a series of pulses, means operatively connected to said responsive means to be set in operation by each such pulse to transfer energy, and means utilizing at least a portion of said transferred energy to stop the transfer of energy after an interval long in comparison with said pulse but before the arrival of the next succeeding pulse.

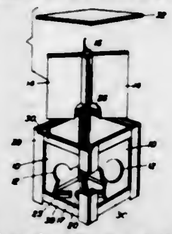
2,544,741
MEANS FOR EXPANDING A RECEIVED PULSE RADIO SIGNAL
Arthur A. Varela, Washington, D. C.
Application October 27, 1938, Serial No. 237,222
16 Claims. (Cl. 250—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. Pulse receiving apparatus comprising a first normally quiescent self-blocking oscillator, pulse-responsive input means operative to activate said oscillator, a second normally quiescent self-blocking audio oscillator, and input means for the second oscillator responsive to the operation of the first oscillator to activate the second oscillator, said oscillations being self-blocking after predetermined time periods.

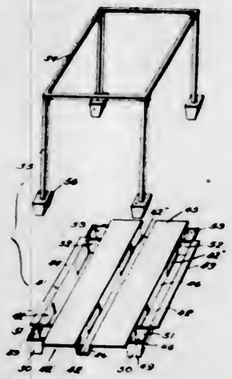
2,544,742
CUBIC LOUD-SPEAKER CABINET
Christian A. Velf, Beverly Hills, Calif., assignor to Vibra-Sonic, Inc., a corporation of California
Application December 31, 1946, Serial No. 719,363
4 Claims. (Cl. 181—31)

1. A cubic sound resonator, comprising four corner posts, one corner of each of said posts being beveled at 45°, each bevel face being provided with a vertical longitudinal groove, the two adjacent faces of each of said corner posts being provided with outer longitudinal grooves, apertured panels, four in number, mounted in the pairs of said outer longitudinal grooves that face each other, diagonal partitions mounted in the



grooves in the beveled faces of the posts, for defining four individual compartments adjacent respectively to the apertures in the panels, and four loud speakers, mounted respectively in each of said four compartments and placed to face horizontally outwardly through respective apertures in the panels, in four different directions 90° apart.

2,544,743
PALLET
Richard Vrabcak, Flushing, N. Y.
Application October 8, 1946, Serial No. 701,860
3 Claims. (Cl. 248—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

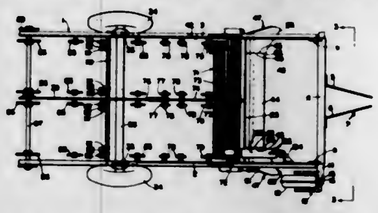


1. In a pallet of sheet material, the combination of a platform, parallel channels formed in said platform parallel to an edge of said platform, said channels being disposed at and intermediate the platform edges for supporting the same, a superstructure forming a covering frame for said platform and including supporting legs, and pockets formed in some of said channels coextensive with the width of said channels, and receiving said legs.

2,544,744
POTATO DIGGER
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application July 6, 1945, Serial No. 603,472
6 Claims. (Cl. 55—135)

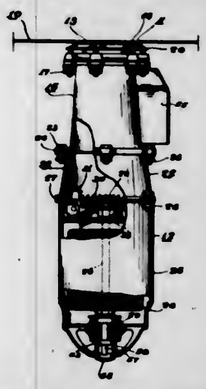
1. A two row potato digger comprising frame means, a generally transverse blade adapted to

span at least the major portion of two rows, ground wheels for said frame means disposed generally rearwardly of said transverse blade, and a pair of auxiliary shovels fixed to said frame means at the ends, respectively, of said transverse blade, said shovels being disposed so that portions thereof laterally outwardly of the trans-



verse blade lie below the latter and each of said shovels being shaped so that, at least at the deeper operating levels, said shovel forms a path in the soil in the nature of a furrow, said shovels being spaced so that the furrows formed thereby correspond to the width of said ground wheels whereby the latter track in said furrows and are guided thereby.

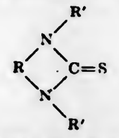
2,544,745
WASTE DISPOSAL APPARATUS
John H. Ashbaugh, Mansfield, and Edward R. Welfert, Springfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1947, Serial No. 759,572
5 Claims. (Cl. 241—101)



1. In a waste disposal apparatus, a housing providing a receptacle for waste material and having an opening for the admission thereof to said receptacle, cutting or shredding means for comminuting the waste material in said receptacle, a rotatable shaft for driving said cutting or shredding means, an electric motor for driving said shaft, said shaft having an extension provided with a surface of irregular contour extending beyond said motor in a position opposite that of the cutting and shredding means, control means selectively operable for causing the energization and deenergization of said motor, a stopper device adapted to seat in said housing opening, actuating means carried by said stopper device and operable, when the stopper device is seated in said housing opening, to a plurality of positions for effecting selective operation of said control means to its motor energizing and de-energizing positions, said control means normally breaking the circuit to said motor when the stopper device is removed from the housing opening, and means provided on said stopper device and adapted to engage the aforesaid extension of the shaft when the stopper device is removed from the opening, said last-named means having a surface provided with a contour such that it may intimately engage the surface of irregular contour on the shaft extension; said stopper device, when so positioned, being adapted to transmit manually-applied energy to the shaft for the purpose of relieving any obstructions in the path of the shredding or cutting means which may have stalled said electric motor.

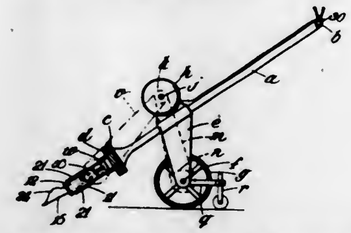
2,544,746
VULCANIZATION OF CHLOROPRENE POLYMERS
Arthur A. Baum, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1949, Serial No. 107,145
7 Claims. (Cl. 260—79.5)

1. An unvulcanized chloroprene polymer which can be rapidly cured at ordinary vulcanizing temperatures yet does not exhibit undesirable scorchy properties at ordinary temperatures, containing from 0.05% to 10% of the weight of the polymer of a cyclic thiourea of the formula:



wherein R is a radical of the group consisting of aliphatic hydrocarbon and cycloaliphatic hydrocarbon radicals which contain from 2 to 24 carbon atoms and in which the thiourea ring contains from 3 to 5 carbon atoms, and the R' are substituents of the group consisting of —H and —CH_3.

2,544,747
MOTOR-DRIVEN SPADE
James Dominic Bolongaro, Charlbury, England
Application February 21, 1947, Serial No. 729,980
In Great Britain January 10, 1947
4 Claims. (Cl. 97—44)



4. A horticultural implement for turning earth comprising a carriage, a wheel supporting the carriage, a prime mover on the carriage, driving means for connecting the prime mover with the wheel, a guiding socket mounted on the carriage, a tubular plunger disposed in the guiding socket, a spade blade, a shank on the spade blade disposed in the tubular socket, a shaft on the guiding socket, means for connecting the shaft with the prime mover, an eccentric on the shaft engaging the tubular plunger to reciprocate it

upon rotation of the shaft, at least one curved slot in the guiding socket, a pin on the shank extending into said curved slot, axial movement preventing means connecting the tubular plunger and shank, said means being constructed and arranged so that the shank can turn relative to the plunger, and driving means on said shaft through which to connect it for rotation by the prime mover, said spade blade having an upturned flange curved toward the axis of the blade shank near the rear end of that one of its sides which rises during the outward stroke of the blade relative to the socket.

2,544,748

PRODUCTION OF POTASSIUM CARBONATE

Karl Büchner, Duisburg-Hamborn, Germany

No Drawing. Application July 6, 1950, Serial No. 172,387. In Germany December 6, 1948

5 Claims. (Cl. 23—63)

1. Method for the production of potassium carbonate from potassium chloride which comprises reacting potassium chloride in the presence of ammonia and carbon dioxide with a calcium potassium sulphate double salt to thereby obtain a mixture of potassium sulphate and calcium carbonate, reacting said mixture with carbon dioxide to convert the same into potassium bicarbonate and calcium potassium sulphate double salt, and converting said potassium bicarbonate into potassium carbonate.

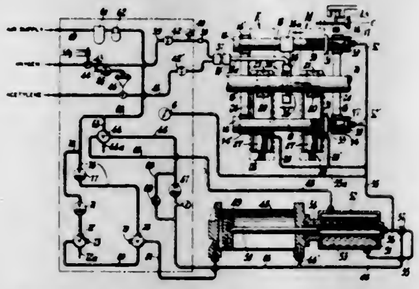
2,544,749

AUTOMATIC PRESSURE WELDING APPARATUS

John P. Cowie, Youngstown, Ohio, and Charles J. Burch, Plainfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application August 27, 1946, Serial No. 693,340

10 Claims. (Cl. 78—84)



1. Pressure welding apparatus which comprises mechanism for clamping metal members to be united with a surface of each in abutting relation during a welding operation; pressure means for forcing said abutting surfaces together under a preselected pressure; a reservoir for a hydraulic liquid; a receptacle for a high pressure hydraulic liquid; means connected with said receptacle for applying a preselected high pressure upon liquid in said receptacle; a liquid conduit interconnecting said reservoir, receptacle, clamping mechanism and said first-named pressure means; a check valve in said conduit between said reservoir and said receptacle, clamping mechanism and pressure means, said check valve being effective to prevent liquid flow through said conduit past said check valve to said reservoir; a pilot control for rendering said check valve inoperative; a conduit for supplying air under pressure to said reservoir; and means including a valve in said air conduit and a solenoid-operated control for such valve for cutting off the supply of air under pressure to the reservoir and for concurrently actuating said pilot-control to render the check valve inoperative.

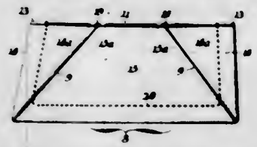
2,544,750

COAT POCKET FLAP

Emilio D'Alesio, Upper Darby, Pa., assignor to H. Freeman & Son, Inc., Philadelphia, Pa., a corporation of Delaware

Application April 12, 1949, Serial No. 86,954

2 Claims. (Cl. 2—247)



1. A substantially rectangular coat pocket flap constructed from a single piece of fabric for the provision of a plain continuous frontal thickness, and a back thickness in which coinciding side edges of an upturned trapeziform tab and inwardly turned lateral triangular tabs are united by stitched seams which extend diagonally of the bottom corners of the flap, and in which bends of oppositely retroverted margins of the meeting edges abut.

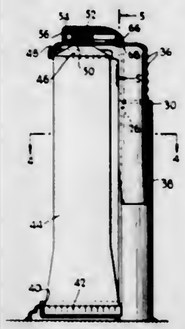
2,544,751

HOLDER FOR COLLAPSIBLE TUBES

Daniel Elterman, Northport, Leonard E. Elterman, East Northport, and Walter Elterman, Brooklyn, N. Y.

Application March 30, 1949, Serial No. 84,366

4 Claims. (Cl. 248—109)



1. A plastic holder for collapsible dispensing tubes, said holder comprising a base, a top and a thin-walled offset pedestal interconnecting said base and top, said pedestal being of U-shaped configuration with the inside of the U facing toward the space between the base and top, said pedestal constituting two halves which are nestably interengaged, means to guide said halves for vertical movement relative to one another, a vertically extending series of symmetrical horizontal teeth carried by the upper pedestal half, the upper and lower edges of the tips of said teeth converging toward one another, the lower pedestal half having an inwardly directed flange in one piece therewith at its top edge, said flange slidably engaging the rear external surface of the upper half whereby said halves will flex to permit forced movement of the teeth past the flange and thereby hold the pedestal halves in any adjusted position of the same, the upper pedestal half having a broad low ledge below the teeth which slidably engages the forward inner surface of the lower half and is adapted to abut the flange and act as an upper limit stop, the top being provided with a through opening to pass the neck of the tube, a cap provided with trunnions, and a pair of erect fingers on the top with inwardly extending flanges defining spaces higher than the trunnions and within which said trunnions are received, said cap having a rounded rear edge and said top having a concave seat below said rear edge whereby the cap is pivotally mounted on the top in such fashion as to permit limited vertical movement.

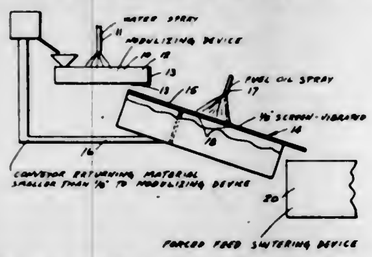
2,544,752

PROCESS FOR MAKING LIGHTWEIGHT AGGREGATES USING FRAGILE NODULES

Lawrence F. Gelbman, Yonkers, N. Y.

Application June 10, 1949, Serial No. 98,186

5 Claims. (Cl. 25—156)



1. In a process for making lightweight aggregate using fragile nodules, the steps of subjecting fine sinterable aggregate body material containing fuel needed for combustion in sintering to the action of a nodulizing device and introducing a water spray into said nodulizing device to form and bond said fine material into fragile nodules, screening said fragile nodules to sizes ranging from ⅛" to ½", and sintering said nodules with a stationary forced draft sintering system.

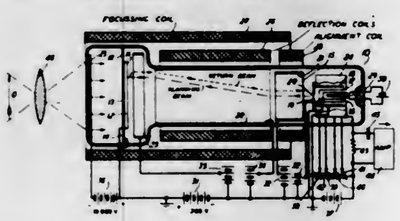
2,544,753

ELECTRON CAMERA TUBE

Robert E. Graham, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 29, 1948, Serial No. 5,009

8 Claims. (Cl. 250—153)



2. An electron camera tube comprising a target for electrons including a layer of an electrical insulating material which has the property of becoming an electronic conductor when bombarded with electrons, and means for scanning said target with a beam of low velocity electrons.

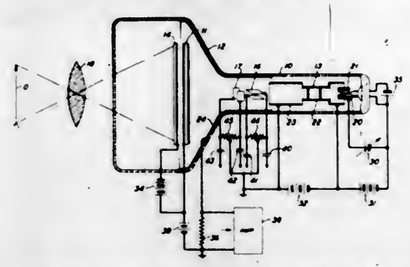
2,544,754

ELECTRON CAMERA TUBE

Charles H. Townes, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 29, 1948, Serial No. 5,056

7 Claims. (Cl. 250—153)



1. An electron camera tube comprising a target for electrons including a thin, substantially continuous layer of an electrical insulator which has the property of becoming a conductor when bombarded with electrons, a conducting coating on one side of said layer, means for forming and directing to said coating image-modulated high velocity photoelectrons, and means for scanning the side of said target remote from said conducting coating with a beam of high velocity electrons.

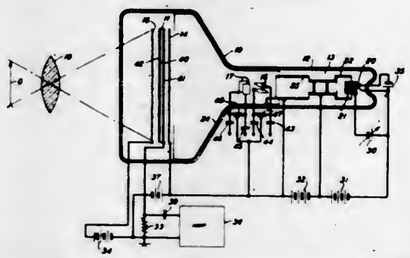
2,544,755

ELECTRON CAMERA TUBE

John B. Johnson, Maplewood, and Kenneth G. McKay, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 29, 1948, Serial No. 5,084

10 Claims. (Cl. 250—153)



1. An electron camera tube comprising a target for electrons including an array of particles of an electrical insulating material which has the property of becoming conducting when bombarded with electrons.

2,544,756

Fe_2O_3—Cr_2O_3—CuO HYDROGENATION CATALYST

Howard R. Guest and Raymond W. McNamee, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

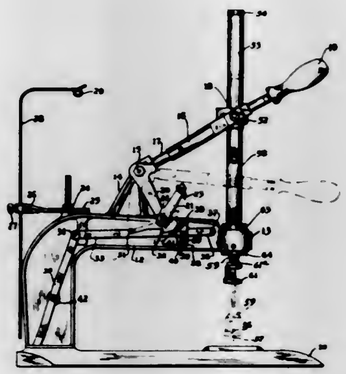
No Drawing. Application August 7, 1944, Serial No. 548,510

4 Claims. (Cl. 252—470)

1. A mixed oxides hydrogenation catalyst consisting essentially of the oxides of iron, copper and chromium, said iron and copper being present in

a ratio of about 71 to 109 parts of copper and about 8 to 17 parts of chromium per 100 parts of iron, computed on a metal basis by weight.

2,544,757
THREAD MARKER
Samuel Isaacson, New York, N. Y.
Application May 17, 1947, Serial No. 748,862
1 Claim. (Cl. 112—2)



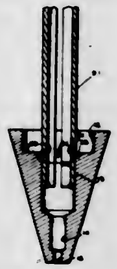
A device of the character described comprising in combination, a base upon which a pile of fabrics is to be rested, an overhanging arm attached to said base to have a free end overhanging the pile of fabrics, a lower cylindrical member fixedly mounted at its lower end on the free end of said arm and extended vertically therefrom, an upper cylindrical member sleeving said lower cylindrical member, resilient means urging said upper cylindrical member into a raised position with relation to said lower cylindrical member, a shaft having its upper end attached to said upper cylindrical member and its lower end extended slidably through and slightly from the bottom end of said lower cylindrical member, a needle mounted on the lower end of said shaft to carry a thread therein, means for lowering said upper cylindrical member and said shaft against the action of said resilient means to extend the needle and the thread carried thereby through the pile of fabrics on said base, means for catching and holding the thread, said means for catching the thread comprising a slidably mounted arm having a pair of ratchet teeth, a vertical lever pivotally mounted on said overhanging arm and having its upper end pivotally attached to one end of said slidably mounted arm, a member slidably mounted in said base and integrally formed with a forked end, a hook carried by one end of said forked end, a spring urging the other end of said slidable member against the bottom end of said vertical lever, said means for lowering said upper cylindrical member including a pivotally mounted rocker arm carrying a pair of adjustably mounted pawls, said pawls being positioned to successively engage said ratchet teeth as said rocker arm is pivoted, a spring urging said slidably mounted arm into engagement with said pawls, and a handle carried by said slidably mounted arm, whereby said slidably mounted arm may be manually pivoted against the action of said later-mentioned spring to disengage said ratchet teeth from said pawls.

2,544,758
CORSET WITH ELASTIC INSERT
Fanny Jackel, Bronx, N. Y.
Application February 25, 1950, Serial No. 146,307
5 Claims. (Cl. 2—27)



1. In a corset having front and rear body portions and stretchable members therein, said front and rear portions being joined together at the sides of said corset, the improvement which comprises a front central woven fabric panel on the inner face of said corset and adapted to cover the abdominal area, a plurality of elastic bands within the inner face of said corset having their inner ends stitched to the opposite side edges of said panel and their outer ends stitched directly to the opposite sides of said corset at the junction of the front and back thereof, said bands overlapping, at least one upper band extending downwardly and outwardly from the upper portion of said panel and at least one lower band extending upwardly and outwardly from the lower portion of said panel, said panel being free from attachment to said corset.

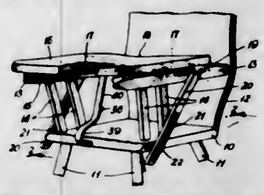
2,544,759
ATTACHING MEANS AND ASSEMBLY METHOD FOR SLOTTED TUBE AND TIP MEMBER OF A MECHANICAL PENCIL
Clifford N. Johnson, St. Louis, Mo., assignor to Ritepoint Co., St. Louis, Mo., a corporation of Missouri
Application August 7, 1948, Serial No. 43,147
5 Claims. (Cl. 120—18)



1. A method for attaching a slotted lead guide tube to a tip member of a mechanical pencil, comprising the steps of boring said tip member to receive said tube, forming a transverse recess in the tube, inserting said tube within the bore, and swaging metal from the edge of said bore into said recess and the slot and in holding engagement with said tube at the point where said tube emerges from said bore.

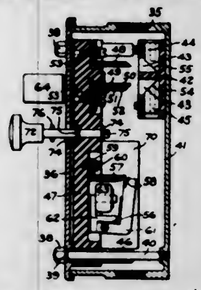
2,544,760
HIGH CHAIR
Everard L. Johnson, Patchogue, N. Y.
Application February 14, 1947, Serial No. 728,669
6 Claims. (Cl. 155—127)

1. In a chair comprising a seat, backrest and arms, the arms having grooves extending longitudinally for the major portion of the length of inner opposed surfaces thereof, a tray, the lower surface of the tray having, at opposite sides thereof, members engaging the grooves of said arms in slidably supporting the tray on the arms and in keying the tray thereto, means comprising members pivoted to the rear side portions of the tray and pivotally and slidably coupled



with the forward side edges of the seat for slidably and swingably coupling the tray with the chair, whereby said tray may be swung freely of the chair arms and downwardly to give free access to the seat, and means comprising a member on the tray slidably engaging the seat for retaining the tray in different positions of adjustment on the arms of said chair.

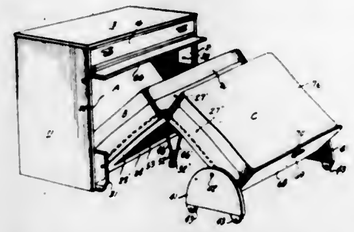
2,544,761
ELECTRIC SWITCHGEAR
George Kilminster, Birmingham, England, assignor of one-half to Ega Electric Limited, Wednesbury, England
Application July 29, 1948, Serial No. 41,322
In Great Britain August 2, 1947
10 Claims. (Cl. 175—298)



1. In a low tension electric switch having an outer case with fixed contact elements carried by an insulating mounting member therein, a removable and replaceable assembly comprising a cover for the outer case, a supporting member mounted slidably within said outer case, said supporting member carrying fixed and moving contactor members and further contact elements connected electrically with said contactor members, said further contact element being adapted to engage with said fixed contact elements, and means accessible externally of said cover for sliding said supporting member towards and away from the cover, respectively to effect isolation and establish contact between said fixed contact elements and said further contact elements.

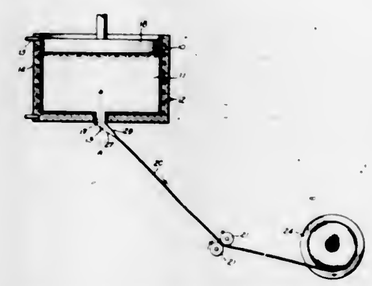
2,544,762
FOLDING CABINET BED
Gene Chappel Lochridge, Los Angeles, Calif.
Application November 1, 1948, Serial No. 57,821
15 Claims. (Cl. 5—6)

1. In a folding bed, a cabinet providing a storage space, a sectional bed including an inner end section and an outer section connected to said inner end section for relative folding movement, means connecting the inner end of said end section to the cabinet for swinging movement of said end section from an upstanding position in the rear of the storage space to a horizontal extended position substantially completely withdrawn from the cabinet, said connecting means comprising a pair of links pivotally connected



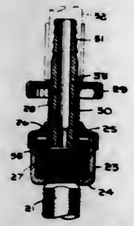
together in end-to-end relation, one of said links being pivotally connected to the cabinet in the upper forward region of the storage space for downward and forward swinging movement and the other link being pivotally connected to the inner end of said end section for downward and forward and thence upward and forward swinging movement, and means to arrest such downward and forward movement of said one link before it reaches a vertically depending position.

2,544,763
METHOD OF MAKING FIBERS
Bruno Montero, Los Angeles, Calif., assignor to Modglin Company, Inc., Los Angeles, Calif., a corporation of California
Application April 21, 1947, Serial No. 742,856
8 Claims. (Cl. 18—54)



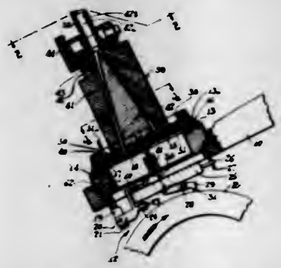
4. A method of forming a material which is rendered plastic when heated above a predetermined temperature and which sets when cooled below said predetermined temperature, including the steps of: heating the material above said predetermined temperature to render it plastic; maintaining a body of the plastic material substantially in the shape of a cone the axis of which intersects the base of the cone at an angle of less than 90°; and drawing a filament of the material from the apex of said cone along a path which is substantially an extension of the axis of said cone and at an ambient temperature less than said predetermined temperature, drawing said filament along said path resulting in flattening of said filament.

2,544,764
PUMP CONNECTOR
James Arnold Parkes, Birmingham, England
Application December 15, 1948, Serial No. 65,495
In Great Britain December 31, 1947
4 Claims. (Cl. 285—165)



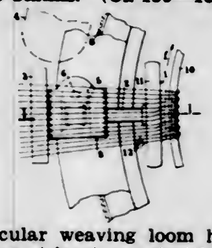
1. A connector of the kind described comprising a hollow body of cylindrical form, an axially-compressible sleeve arranged within the hollow body, a screw extending axially of the body engaging a screw threaded part of the body and adapted to be operated to apply pressure to said sleeve to compress it axially, and a hollow shank extending axially through the screw and having its outer end projecting beyond the screw, the inner end of the shank being provided with a washer adapted to engage one end of the sleeve, the opposite end of which is engaged by the hollow body, said washer being also adapted to be engaged by the inner end of the screw when this is turned so as to apply pressure to the sleeve.

2,544,765
ACOUSTIC COUPLING DEVICE
Robert H. Postal, New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application August 23, 1948, Serial No. 45,772
1 Claim. (Cl. 274—27)



In an acoustical-type receiving device adapted to be coupled to the sound box of a phonographic reproducer, said sound box including a vibratile diaphragm: the combination of a coupling member mounted on said sound box and forming a sound chamber between it and said diaphragm, said coupling member having a duct with a central plug therein to provide an arcuate opening leading from said sound chamber the diameter of which opening at the sound chamber is substantially one-half the diameter of the diaphragm, said plug being substantially conical in shape and said arcuate opening merging into a cylindrical opening beyond said conical plug at the outer end of said coupling member, a sound tube connected to the outer end of said coupling member in communication with said cylindrical opening, and an acoustic-type sound receiver connected to the outer end of said sound tube and adapted to be connected to the ear of a listener, wherein the ratio of the area of said diaphragm and the cross sectional area of said arcuate opening at its junction with said sound chamber is equal approximately to the ratio of the impedance of the sound chamber at said arcuate opening and the impedance of said sound tube computed on the basis of the tube having an infinite length, and wherein the cross sectional area of said arcuate opening along the length thereof from said sound chamber to said sound tube is varied substantially exponentially.

2,544,766
ANTICREEP WARP-LIFTING ROLLER IN CIRCULAR WEAVING LOOMS
Jean Rabeux and Raymond Jacob, Flixecourt, France, assignors to Societe Saint Freres (Societe Anonyme), Paris, France
Application January 26, 1949, Serial No. 72,792
In France January 28, 1948
6 Claims. (Cl. 139—13)

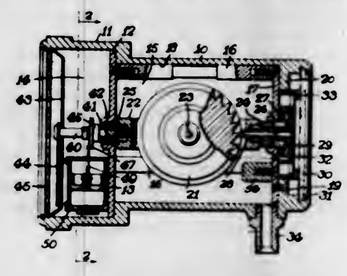


1. In a circular weaving loom having a well and comprising at least one shuttle by means of which a weft thread is laid between the ways thread sheets close to the top of the well, a warp-lifting roller positioned at the rear of each shuttle and revolved about the loom well at a speed equal to that of the shuttle the rim of said roller being formed from a thread-retaining material and being adapted to slightly lift the warp threads as it moves past the same, said roller being rotated at a peripheral speed greater than the speed of revolution of the roller about the well whereby each warp thread will be replaced on the well edge without vibration at a point just a little behind the one it occupied when lifted therefrom by the roller.

2,544,767
GYROSCOPIC RATE-OF-TURN INDICATOR
George Hancock Reid, Kirby Muxloe, near Leicester, England
Application February 18, 1946, Serial No. 648,240
In Great Britain April 30, 1945
4 Claims. (Cl. 33—204)

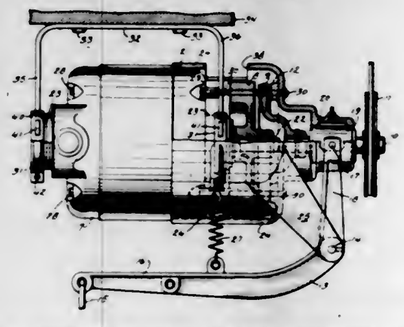
1. In a gyroscopic rate-of-turn indicator having a casing, a gimbal ring pivotally mounted in the casing and carrying an air driven rotor, and an indicator, dash-pot and movement controlling spring operated by the gimbal ring; a partition disposed in said casing dividing the latter into two compartments, the gimbal ring and rotor being contained within one compartment, and the indicator, dash-pot and controlling spring being contained in the other compartment, a rotary spindle extending from the gimbal ring coaxially with the pivots thereof and through a snugly fitting hole in said partition, the partition being otherwise imperforate to isolate the two compartments and thus prevent free circulation of air from one to the other, and an elongated plate

disposed within said other compartment having its central part fixedly secured to said spindle of



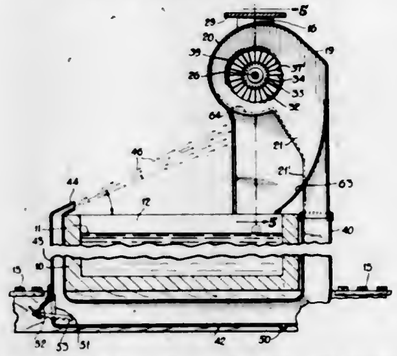
the gimbal ring, the free ends of said plate being connected respectively with the movement controlling spring and the dash-pot.

2,544,768
POWER TRANSMITTER
Paul Schulder, Brooklyn, N. Y., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application March 16, 1949, Serial No. 81,643
2 Claims. (Cl. 172—36)



2. A power transmitter as herein disclosed comprising an electric motor having a shaft carrying a driving clutch element, a housing secured over the end of said motor and forming a unitary extension of the same, said housing having an elongated bearing in line with the motor shaft and provided with a longitudinally extended slot in the side of the same, a sleeve slidingly operable in said bearing and having an opening midlength in line with the slot in said elongated bearing, ball bearings fixed in spaced relation in the opposite ends of said sleeve, a shaft journaled in said spaced ball bearings and rotatably held thereby so as to be shiftable with said sleeve toward and away from said motor shaft, a transmission pulley on the outer end of said shiftable shaft, a driven clutch element on the inner end of said shiftable shaft cooperable with said driving clutch element on the inward movement of said bearing sleeve, braking surface on the interior of said housing opposed to said driven clutch element and engageable thereby on the outward shifting movement of said bearing sleeve, a bracket on said housing, a shift lever pivotally supported on said bracket, a pin carried by said lever projecting laterally through said slot in the elongated bearing into said opening in the slidable bearing sleeve, a spring connected with said lever for normally yieldingly holding the lever in position with the sliding bearing sleeve in the outward shifting position, vibration damping cushions at opposite end portions of said motor and an inverted U-shaped supporting yoke arched over said opposite end portions of said motor and having its opposite ends connected with said cushions to thereby support said complete motor clutch-brake and shift lever as a single unit in vibration damped relation.

2,544,769
FUME AND VAPOR CONTROL FOR CLEANSING TANKS
Roger S. Sperry and Charles Rietdyke, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 29, 1945, Serial No. 638,290
11 Claims. (Cl. 98—36)

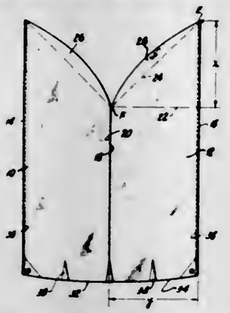


1. In treatment tanks of the character described, a fume and vapor control apparatus, said apparatus comprising a tank, a hood mounted on and extending over the full length of and in vertical spaced relation to the rear end portion of said tank, said hood having side walls, spaced blower compartments within the hood and spaced from said side walls, said hood having passages between said compartments and the compartments and said side walls, said passages being exposed to the upper open end of the tank forwardly of the back thereof, said compartments having conduits directed downwardly at the rear portion of the hood and the back of the tank, a duct communicating with said conduits and extending downwardly along the back, across the bottom and upwardly at the front of the tank, the upper front end of said duct having a contracted discharge nozzle extending over the full length of the upper front edge of the tank and in an upwardly inclined direction, said nozzle being adapted to direct air discharged therefrom in an upwardly and rearwardly inclined path over the top of the tank and to the passages of said hood, said compartments having openings communicating with the passages of said hood, a fan within said compartments and means for driving the fan for drawing air into the hood passages and forcibly discharging the same therefrom into said duct and out through said discharge nozzle.

2,544,770
SPINNAKER SAIL
Edward V. Willis, Port Washington, N. Y.
Application January 15, 1948, Serial No. 2,352
5 Claims. (Cl. 114—103)

1. A spinnaker sail comprising two parts sewn together along their inner edges, each part hav-

ing a long outer edge and an inner edge comprising a lower portion parallel to said outer edge, and an upper portion cut substantially diagonally from a point on the said outer edge, which



is above the top of the said lower portion of the inner edge by a distance substantially equal to the width of said sail part, along a transverse section taken to the top of said lower portion of the inner edge.

2,544,771
COPPER-CHROMIUM HYDROGENATION CATALYST
Donald M. Young, Frank G. Young, Jr., and Howard R. Guest, Charleston, W. Va., assignors, by mesne assignments to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application October 14, 1943, Serial No. 506,214
2 Claims. (Cl. 252—467)

1. A copper-chromium mixed oxides hydrogenation catalyst in which the chromium is present in a ratio, computed on a metal basis, from about 9 to 15 parts chromium per 100 parts copper, by weight.

2,544,772
AQUEOUS EMULSIONS CONTAINING HYDRAZINE DERIVATIVES AS EMULSIFYING AGENTS
Ludwig F. Audrieth, Urbana, and Paul H. Mohr, Champaign, Ill., assignors to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
No Drawing. Application June 4, 1947, Serial No. 752,564
13 Claims. (Cl. 252—311)

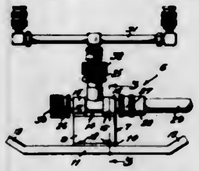
1. An aqueous emulsion having water as a continuous phase and water-insoluble organic material as a disperse phase and an emulsifying agent consisting of a hydrazine addition compound having the general formula

$$(RN_2H_3)_m.(HX)_n$$

in which R represents a member of the group consisting of hydrogen and a hydrocarbon radical; and in which HX represents an aliphatic organic acid containing a chain of 10 to 22 carbon atoms; and in which m and n are integers of at least one and are not greater than integers representing the maximum interacting amounts of the respective components.

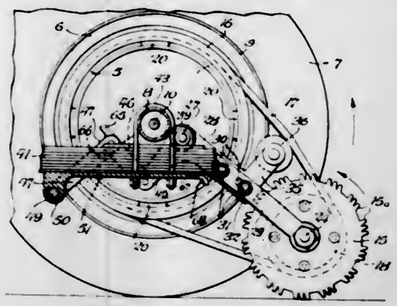
2,544,773
ADJUSTABLE LAWN SPRINKLER
Theophilus A. Barham, Sr., Norfolk, Va.
Application December 7, 1949, Serial No. 131,671
2 Claims. (Cl. 248—82)

1. A support for a rigid lawn sprinkler conduit having a horizontal portion and a transverse branch portion, comprising a base including a pair of runners having upturned ends and a bridge member disposed transversely of the runners having ends secured to the intermediate portions of the runners and connecting the runners in spaced parallel relationship, said bridge member having a relatively wide upwardly offset intermediate portion adapted to support thereon a horizontal portion of a rigid lawn sprinkler conduit which has a transversely extending branch portion intermediate of its ends, strap members engaging over the horizontal conduit portion on either side of the transverse branch portion, said strap members being spaced transversely of the



bridge member and longitudinally with respect to the runners for positioning the horizontal conduit portion substantially parallel to the runners, and fastenings connecting the ends of the straps to the upwardly offset intermediate bridge portion, said straps having a limited frictional engagement with the horizontal conduit portion whereby said portion may be turned relatively to the bridge member to swing the transverse branch portion through an arc of approximately 180° in a vertical plane and transversely of the longitudinal axes of the runners, certain of the fastenings being adjustable to vary the gripping engagement of the straps with the horizontal conduit portion.

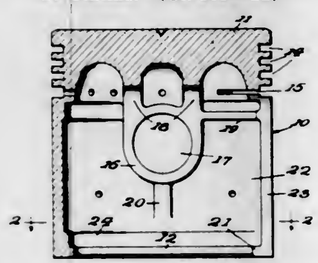
2,544,774
NONSKID AND AUXILIARY TRACTION DEVICE
George F. Bredl and Michael M. Bredl, Buffalo, and Wenzl F. Bredl, Sloan, N. Y.
Application September 12, 1947, Serial No. 773,644
14 Claims. (Cl. 180—15)



1. A non-skid and auxiliary traction device for a motor vehicle having a driven wheel and leaf spring interposed between the vehicle and said driven wheel, said device including a bell crank lever having a ground gripping wheel rotatably mounted on one arm thereof, said bell crank lever being pivotally mounted to swing relatively to said vehicle spring, a link connected at one end thereof with the other arm of said bell crank lever, a crank member having two arms, one of said arms being pivotally connected with the other end of said link, power means connected

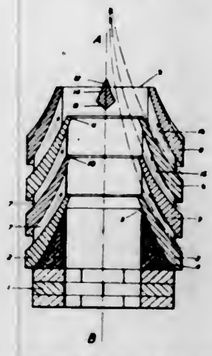
with another arm of said crank member for oscillating said crank member to move said bell crank lever through the medium of said link for positioning said ground gripping wheel into operative and elevated positions, and a plate secured to said vehicle spring and having a bearing for said crank and an extension for supporting said power actuated means.

2,544,775
PISTON CONSTRUCTION
Newton J. Buren, Tacoma, Wash.
Application October 27, 1948, Serial No. 56,751
10 Claims. (Cl. 309—11)



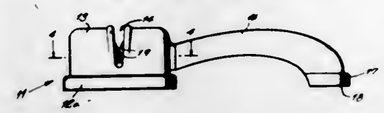
1. In a hollow piston having an open mouth at one end and having a skirt extending upwardly from the mouth, a rib extending concentrically of the axis at the mouth thereof, and an eccentric rib within said mouth and merging with the concentric rib, said concentric rib and skirt having a slot extending from the bottom upwardly.

2,544,776
DEVICE FOR THE PROMOTION OF CHIMNEY INTAKE
Armin Burger, Wabern-Berne, Switzerland
Application May 31, 1945, Serial No. 596,962
In Switzerland December 5, 1944
2 Claims. (Cl. 98—78)



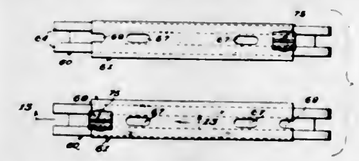
1. Cowl for chimneys, of the kind comprising superposed hollow rectangular sections and curved passages for air formed between adjacent sections, said passages passing upwardly and inwardly towards the central vertical axis of the chimney and being of increasing cross-section towards said central axis, characterised in that the said passages are arranged vertically one above the other and in that the bounding lines of their curved surfaces lying respectively in vertical planes containing the central axis of the chimney, if continued, converge on one another and on the said central axis at a point above the chimney, whereby the air currents led to the interior of the cowl by the said passages are concentrated onto the central part thereof and better extraction of the gases from the chimney is obtained.

2,544,777
KNIFE SHARPENER.
Joseph A. Cahil, New York, N. Y.
Application November 26, 1948, Serial No. 62,073
1 Claim. (Cl. 51—208)



A knife sharpener having stabilization against angular movement in both horizontal and vertical planes comprising, in combination, a housing having side, end and top and bottom members, said bottom member having a bearing surface contained in a given plane and adapted to rest squarely upon a supporting surface, a handle rigidly secured to said housing and extending laterally outwardly therefrom spaced from the plane of the bottom member to afford a finger-receiving opening between the handle and the supporting surface, a depending foot portion on said handle spaced from said housing, said foot being formed on its free end with a bearing surface disposed in the plane of the said bottom member, said foot and said bottom member affording stabilization of the knife sharpener against turning movement in the plane normal to the supporting surface while the sharpener is pressed against a supporting surface by downward thrust between the supporting foot and the housing, said foot providing in addition frictional drag opposing angular movement of said sharpener in the plane parallel to the supporting surface, an elongated notch in said top member for receiving the knife blade and sharpening mechanism comprising means for engaging the knife-edge at points spaced lengthwise of the blade, said sharpening mechanism being maintained in substantially fixed orientation relative to the supporting surface during the course of operation.

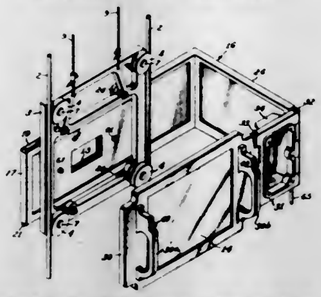
2,544,778
MOTOR MOUNT
Leonard J. Cuthbertson, Girard, Kans.
Application July 28, 1947, Serial No. 764,108
13 Claims. (Cl. 248—23)



1. A motor mount comprising a pair of elongated motor supporting rails having slots therein for receiving attaching bolts in positions corresponding to the bolt receiving holes in motor bases of standard dimensions, a pair of motor base plates having slots therein for receiving bolts to secure said plates to a motor base, cooperating guide and seating surfaces on said rails and plates including side flanges on the plates engaging the outer sides of the rails for support of the plates

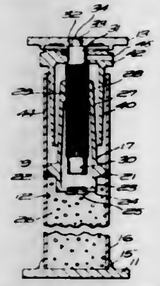
on the rails with capacity for free movement lengthwise thereof, and adjustable means supported by the rails and engageable with corresponding ends of the plates for limiting said movement.

2,544,779
DIAGNOSTISCOPE
Webster J. Daly, Los Angeles, Calif.
Application December 28, 1948, Serial No. 67,656
3 Claims. (Cl. 250—105)



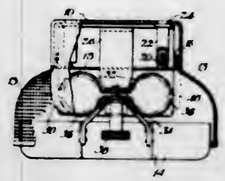
1. Fluoroscopic apparatus comprising a support, an X-ray tube, a fluoroscopic screen spaced from said X-ray tube and a fluoroscopic shutter between said X-ray tube and said fluoroscopic screen, said fluoroscopic shutter comprising a plurality of links centrally pivoted to said support, a plurality of substantially L-shaped shutter plates, one of said shutter plates being pivotally connected to each of said links at points spaced by the same amount as the distance between the pivotal connection of said links to said support, and the other of said shutter plates being likewise pivoted to said respective links on the opposite side of the pivotal connection of said links with said support at points spaced a distance equal to the spacing between the pivotal connections of said links to said support, whereby said links and said shutter plates constitute a parallelogram linkage for supporting and guiding said plates with said plates forming one pair of opposing elements of the parallelogram and in which said shutter plates will simultaneously approach each other in directions parallel to the legs of said L-shaped plates thereby reducing the intervening opening simultaneously in both dimensions.

2,544,780
JACK COLUMN CONSTRUCTION
George H. Dean, Norwood, R. I.
Application June 16, 1949, Serial No. 99,477
6 Claims. (Cl. 254—98)



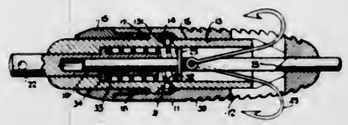
1. In a jack column, a support column, a jack screw housing secured within the upper end thereof, a jack screw threaded in said housing, a contact plate mounted on the upper end of the jack screw, and a shield element secured to the upper end of the jack screw and having a depending wall positioned in intermediate telescoping relation to the column upper end and the jack screw housing.

2,544,781
SHOCK RESISTANT LUMINAIRE FOR USE WITH FLUORESCENT TUBES
Leroy C. Deane, Essex, Conn.
Application December 22, 1945, Serial No. 636,845
6 Claims. (Cl. 240—51.11)



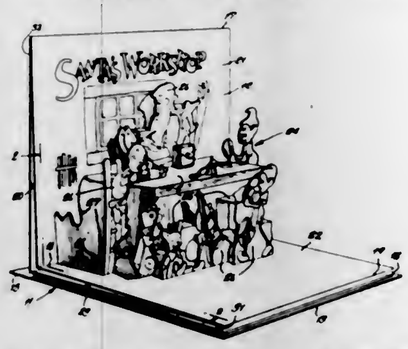
1. In a luminaire for mounting fluorescent tubes in locations subject to vibration, a base, terminals thereon for engagement with the ends of the tube, a light-directing member removably mounted on the base below the fluorescent tube, detachable means for connecting said light directing member to said base and safety clamps, each comprising a plurality of parts which when brought together coact to clamp the tube, one part of each safety clamp being mounted on the base and the complementary safety clamp part being mounted on the removable light-directing member.

2,544,782
FISH LURE
George F. Fawcett, Euclid, Ohio, assignor to The Carpenter Manufacturing Corporation, Cleveland, Ohio, a corporation of Ohio
Application August 30, 1947, Serial No. 771,407
3 Claims. (Cl. 43—36)



3. A fish lure comprising a closed end tubular cover member having a longitudinally extending slot formed therein, a sleeve received in said cover member for relative axial movement, compression resilient means for normally resisting movement of said sleeve and cover member but for permitting relative axial movement therebetween, a piston member positioned in said sleeve and said cover member for axial movement, a hook carried by said piston member and adapted to be positioned thereby substantially within the slot in said cover member, resilient means for moving said piston member so as to force said hook externally of said cover member, and radially movable lock means for preventing movement of said piston member by said second-named resilient means until said first-named means are appreciably compressed by relative movement of said cover member and sleeve and said sleeve is least engaged with said cover member, said cover member having a counterbore for reception of said lock means and positioning of same in inoperative position.

2,544,783
POP-UP BOOK CONSTRUCTION
William B. Freedman, Hollis, and Joseph Gettler, Jr., Roslyn Heights, N. Y., assignors to Phillips Publishers, Inc., Newton, Mass., a corporation of Massachusetts
Application January 14, 1950, Serial No. 138,644
17 Claims. (Cl. 40—126)



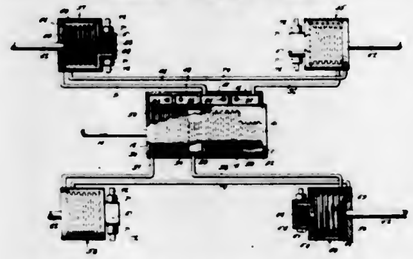
1. A folio blank adapted to be bound as a folio into a book, said folio blank having three transverse fold lines thereon, marking said blank into four sections, the two interior sections being folded face to face along the intermediate of said lines, the two exterior sections being folded back against the backs of the interior sections along the others of said lines, said interior sections being cut and bent to provide a plurality of extensions in various horizontal and vertical planes which are self-erecting into a pop-up scene when the interior sections are opened.

2,544,784
TOOL FOR DISPENSING, CLAMPING, AND CUTTING FLEXIBLE STRANDS
Lonnie A. Frum, Clarksburg, W. Va.
Application January 13, 1950, Serial No. 138,399
7 Claims. (Cl. 30—125)



1. A tool for holding, dispensing, clamping and cutting a flexible strand comprising an elongated hollow handle adapted to contain a roll or spool of a flexible strand and having an open end, a detachable closure for said open end having an opening therein through which an end of the strand extends, a stationary clamping jaw supported by and projecting outwardly from the closure and having an opening therein through which the strand loosely extends, a movable clamping jaw pivotally mounted on the stationary clamping jaw, spring means for urging the movable clamping jaw toward the stationary clamping jaw for clamping a portion of the strand therebetween, said jaws having angularly extending flanges pivotally connected to one another and forming the pivotal mounting of the movable jaw on the stationary jaw, and said flanges having complementary cutting edges combining to form co-acting shear blades which are movable toward closed or cutting positions by the pivotal movement of the movable jaw away from the stationary jaw for cutting off a part of said flexible strand.

2,544,785
FLUID BRAKE SYSTEM
Edson F. Gardner, Moscow, Pa.
Application April 29, 1949, Serial No. 90,465
7 Claims. (Cl. 60—54.5)

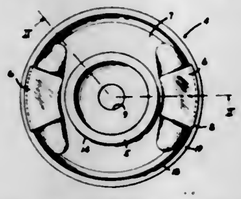


1. A system of the character described including a master cylinder having a pair of compartments therein, two pairs of subsidiary cylinders, a main rod extending into the master cylinder, means associated with the main rod for compressing a fluid in each of said compartments, a compressible element in each of said subsidiary cylinders, means for transmitting fluid pressure to one end of each pair of subsidiary cylinders from each compartment in the master cylinder to thereby compress the compressible element in such subsidiary cylinders and means interconnecting the other end of each of such subsidiary cylinders with an end of the remaining cylinder of the pair to impart fluid pressure to the compressible elements in the latter cylinders.

2,544,786
SPINNING COMPARTMENT LOCK LID
Paul E. Garrett, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 23, 1949, Serial No. 77,953
6 Claims. (Cl. 57—76)

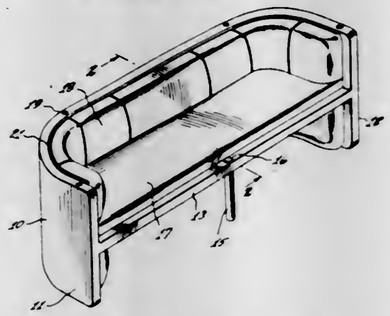
1. In a spinning compartment having an opening for access to a spinning bucket and a cover for the bucket supported within the compartment, said opening being spaced from the bucket in a direction along its axis of rotation nearest the end thereof which supports the cover, a closure for the opening, said closure and the cover each having an aperture of sufficient size to permit the extension and movement of a reciprocable strand

guide through the apertures, a barrier for preventing gas-suspended particles and droplets from entering the region between the apertures comprising a flange extending from a portion of the surface of the closure which faces the cover



and surrounds the closure aperture into close proximity with a portion of the surface of the cover which faces the closure and surrounds the cover aperture, the radially outward surface of the flange which is close to the cover being substantially radially inward of the cover periphery.

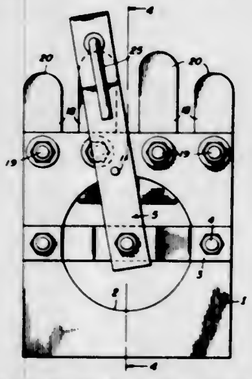
2,544,787
REVERSIBLE SETTEE AND CHAIR
Kenneth Edward Hand, Kalamazoo, Mich.
Application February 1, 1949, Serial No. 74,025
3 Claims. (Cl. 155—98)



1. A settee comprising a back and end portions, a seat portion extending intermediate the height of the back and between the end portions, cushions on the opposite faces of the seat portion, cushions on the back at the opposite sides of the seat portion, and supporting members on the edges of the back and end portions for supporting the seat in one position or in the reverse position, with the cushion out of contact with the floor.

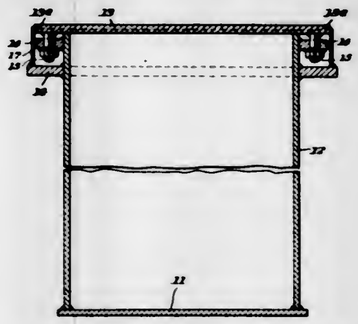
2,544,788
MULTIPLE CONTACT SELECTOR SWITCH
Earl L. Hindman, Lowell, Ariz.
Application September 8, 1948, Serial No. 48,207
4 Claims. (Cl. 200—6)

3. In a switch of the class described, a centrally apertured panel of insulation material, a series of contact bars secured to one side of said panel and having outer ends extending beyond one edge of said panel in spaced apart relation, conductor power cables for electric current of different amperage connected to the other ends of said bars opposite said side of the panel, a selector arm of insulation material having a terminal loop, means pivotally mounting said arm on the other side of said panel for swinging to move said loop into straddling relation to the outer ends of said contact bars selectively, a contact member on said arm having a terminal end extending into said loop for engagement with the outer end of the contact bar of the series straddled by said loop and having its other end extended through said aperture beyond the first mentioned side of the panel, and a power output conductor cable attached to said other end of said contact member, said terminal end of the contact member being wider than the spacing



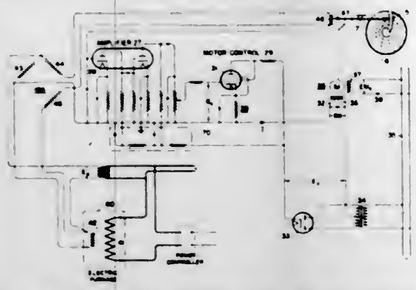
between the outer ends of said contact bars for bridging adjacent outer ends of the contact bars while said selector arm is being swung to move the terminal loop out of straddling relation to one outer end into such relation to an adjacent outer end whereby to prevent interrupting the electric current during swinging of the selector arm to engage said terminal end with selected outer ends of the contact bars.

2,544,789
COVER AND SEAL CONSTRUCTION FOR TRANSFORMER TANKS OR THE LIKE
Samuel Horelick and Robert C. Sefton, Pittsburgh, Pa., assignors to Pennsylvania Transformer Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 12, 1946, Serial No. 647,066
5 Claims. (Cl. 220—67)



2. A cover seal construction for transformer tanks or the like, comprising in combination, a container having an open top and a lateral wall with an upper edge bounding said open top, a continuous outwardly extending flange secured to the exterior of said wall below said upper edge, a removable cover adapted to close said open top of said container, said cover projecting outwardly beyond said upper edge and extending continuously around the same in spaced relation to said flange, disengageable means respectively attached to the underside of said cover and to said container between said cover and said container for securing said cover to said container, and a continuous sealing strip removably welded along its respective edges to the respectively projecting and extending portions of said cover and said flange, whereby said sealing strip renders gastight the closure between said cover and said container while said disengageable means take up stresses between said container and said cover.

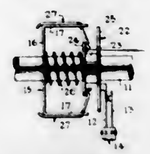
2,544,790
MEASURING AND CONTROLLING SYSTEM
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application August 27, 1946, Serial No. 693,290
14 Claims. (Cl. 318—29)



9. A temperature measuring device comprising a Wheatstone bridge having four ratio arms and two conjugate conductors, a resistance in one of the ratio arms variable in accordance with the temperature to be measured, a source of alternating current in one of the conjugate conductors, a balancing resistance in another of the ratio arms and means for varying said balancing resistance to maintain it in predetermined ratio to said variable resistance comprising a thermionic amplifier including input and output circuits, means electrically connecting the input circuit to said second conjugate conductor; a motor control thermionic device having a grid energized from the output circuit of said amplifier, a cathode and an anode; a full wave rectifier energized from said source, means delivering a portion of the output of said rectifier to the anode-cathode circuit of said motor control device so as to subject the anode to unfiltered pulsating D.-C. and a portion to the output circuit of the amplifier, said means for varying said balancing resistance comprising an induction type motor having a first stator winding, a condenser, means connecting said winding and condenser to said source, a second stator winding, a condenser shunting said second winding, said shunted winding being connected directly in series in the anode, cathode, rectifier circuit.

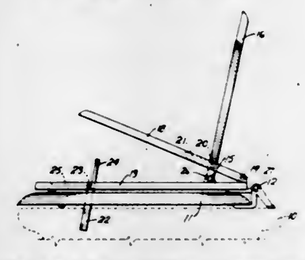
2,544,791
SPEED RESPONSIVE DEVICE OF THE FLYBALL TYPE
James T. Hunt, Arlington, Va.
Application December 27, 1946, Serial No. 718,784
3 Claims. (Cl. 264—15)

1. A centrifugal device comprising a shaft, a rigid yoke fixedly mounted on said shaft and having diametrically opposed arms symmetrically positioned relatively to the axis of the shaft; a collar shiftable axially on the shaft; a speeder spring reacting between the collar and the yoke; and fly-weight members hingedly mounted on the arms of the yoke and each having a finger en-



gaging the collar to shift the same against the urge of the speeder spring, said hinged mounting comprising bearing elements on the fly-weight members and on said arms formed to interact in one-way thrust, and maintained in engagement by the reaction of the speeder spring in all functional positions of the fly-weight members.

2,544,792
CHILD'S TOILET SEAT
Paul E. Jack, Englewood, Colo.
Application March 7, 1949, Serial No. 79,970
5 Claims. (Cl. 4—239)

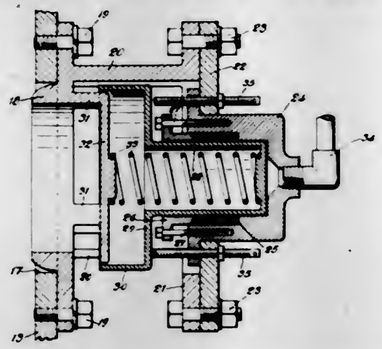


1. A toilet seat for children comprising: a seat having a toilet opening; a relatively flat, U-shaped member resting upon and extending across the back and forming arms along the two sides of said seat; a hinge securing the rear extremities of said seat and said U-shaped member together; a lid hinged upon said seat forwardly of said hinge and rearwardly of said toilet opening, said lid adapted to lie upon said seat between said arms and forming, in combination with said U-shaped member, a complete cover for said seat conforming in shape thereto; and means for causing said U-shaped member to swing upwardly to form arm rests when said lid is swung upwardly to form a backrest.

2,544,793
AUTOMATIC DRIFTING VALVE
Edmund P. Kelly, Chicago, Ill.
Application February 20, 1948, Serial No. 9,807
1 Claim. (Cl. 121—134)

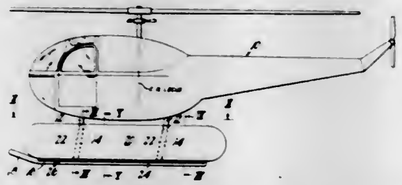
In combination, a valve chest for steam locomotives and the like, a reciprocating cylindrical valve, dividing the chest into high pressure steam and low pressure exhaust sections, an aperture in the wall of the chest between the exhaust section and the outer atmosphere, a bracket masking said aperture, a sleeve on the bracket open at one end to the interior of the valve chest, closed at the other end and circumferentially apertured outside the chest, a sleeve valve adapted to encircle the apertured sleeve, a cylinder carried by the bracket, a piston reciprocable in the cylinder

carrying the sleeve valve, yielding means tending to hold the valve in open position, a steam connection between the cylinder and the steam sec-



tion of the valve chest whereby when steam under pressure is admitted to the chest it enters the cylinder, overcomes the spring and seats the valve.

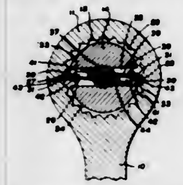
2,544,794
HELICOPTER AMPHIBIOUS LANDING GEAR
Bartram Kelley, Buffalo, and Ernest G. Dickinson, Tonawanda, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application March 14, 1950, Serial No. 149,572
11 Claims. (Cl. 244—101)



11. An aircraft undercarriage structure comprising a support extending laterally from an aircraft body, leg means extending downwardly from the outer end of said support, ground landing skid means connected to the bottom end of said leg means and extending longitudinally of the aircraft, flotation cell means comprising generally cylindrical pneumatic bag means mounted to lie along the upper surface of said skid means, said cell means being of enlarged sectional dimensions at the rear end thereof and having its longitudinal mid point disposed ahead of the center of gravity of the aircraft to provide balanced buoyancy effects fore and aft of the aircraft center of gravity.

2,544,795
REVERSIBLE RATCHET MECHANISM
Raymond G. Knudsen, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware
Application July 13, 1945, Serial No. 604,841
11 Claims. (Cl. 192—43.1)

1. In a ratchet mechanism, the combination with a handle, of a head associated with said handle, cooperating ratchet teeth and pawls in said head, a revolvable member journaled in said head, a pawl actuator axially journaled within said revolvable member, means including a spring operably disposed radially of said pawl actuator for adjusting the position of said pawls through the medium of said actuator body to regulate the direction of ratcheting, and means for self-locking said pawl actuator in any one of its operative positions of adjustment responsive to said spring means.



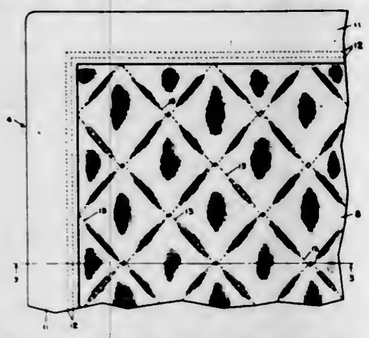
2,544,796
FISHING LURE
Harry E. Kreps, Manor Township, Lancaster County, Pa.
Application March 15, 1948, Serial No. 14,980
2 Claims. (Cl. 43—42.25)



1. A fishing lure comprising a single hook of the long shank type provided with an eye at one end and a loop and barbed portion at the other end, a plurality of hairs of varying length surrounding said shank, said hairs being arranged to have the general outline of the body of a minnow, said plurality of hairs consisting of a group of hairs of one color, a second group of hairs of another color slightly overlapping the first group of hairs, and other groups of hairs of predetermined colors spaced arcuately from the first and second groups of hairs, the hairs of all groups being positioned to extend in the same general direction, a binding element embracing those ends of the hairs and shank closely adjacent to the eye, and a second binding embracing the hairs and the shank at a location where the looped portion of the hook merges into the shank portion, with some of said hairs of varying length extending beyond said second binding and being spaced apart and unconfined, said extending hairs being disposed in a fanlike arrangement to cover a portion of the loop of the hook, substantially all of the said extending hairs being disposed substantially parallel to the plane defined by the loop of the hook and substantially within the boundaries of the outermost side surfaces of the portion of said hairs disposed between said bindings, said hairs and bindings constituting the sole outer body structure of the lure.

2,544,797
COMFORTER
Daniel C. Lippmann, New York, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application August 7, 1947, Serial No. 766,986
2 Claims. (Cl. 5—334)

2. A comforter, quilt and the like, comprising an inner layer of interlaced cellulose acetate staple fibers, said inner layer having surfaces, each of which is coalesced into the form of a thin skin, and a staple fiber stratum between said surfaces, said stratum being of substantial thickness as compared to the thickness of said skins and being composed of substantially uncoalesced staple fibers, a covering of textile fabric envelop-



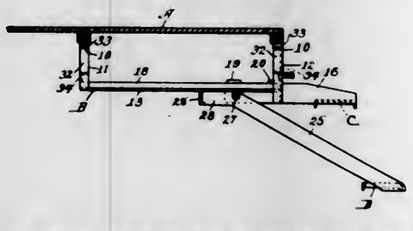
ing said inner layer, and stitching across the surface of the textile fabric covering, extending from cover to cover through said inner layer.

2,544,798
SWEATBAND
Daniel C. Lippmann, New York, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application August 7, 1947, Serial No. 766,987
5 Claims. (Cl. 2—181)



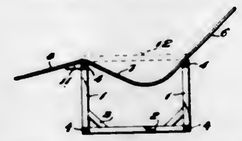
1. A sweat band for a hat or other head gear, comprising a cushion of staple fibers, having a basis of a thermoplastic material and having skins of coalesced fibers on the surface only thereof, enclosed in a textile fabric envelope.

2,544,799
YIELDING VEHICLE STEP
De Witt McCann, Los Angeles, Calif.
Application March 3, 1947, Serial No. 731,973
4 Claims. (Cl. 280—167)



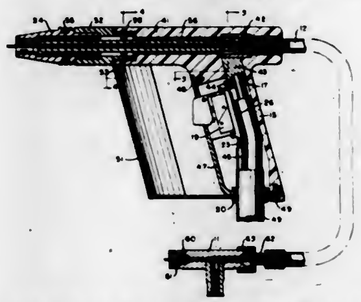
1. A freely yieldable and extendable flight of steps for a vehicle body, comprising a carrier frame adapted to be secured below and having a track directed outwardly on said body, a slide structure movably mounted on said track and adapted to travel outwardly and inwardly below said body, an upper step tread on the outer end portion of said slide structure adapted to be extended from said body in the outward position assumed by the slide structure, a supporting arm structure having its inward end portion hinged to swing up and down on said slide structure, a lower step tread on the outward end portion of said supporting arm structure, said supporting arm structure being free to swing with the lower tread upwardly upon the slide structure when out of use or downwardly with the lower step tread assuming lower extended operative position below the upper step tread when the slide structure is in its outward position on said track, and stop means interposed between said slide and arm members for retaining the lower step supporting arm structure when lowered and assuming operative position.

2,544,800
CHAIR
Karl Michaelis, Paris, France
Application April 3, 1947, Serial No. 739,160
2 Claims. (Cl. 155—186)



1. Chair comprising in combination, a leg-supported substantially horizontal quadrangular frame and a curved panel suspended between opposed frame members to form an ascending backrest and ascending thigh support, the other frame members forming armrests substantially extending from the hip level to the knee level of the seated person.

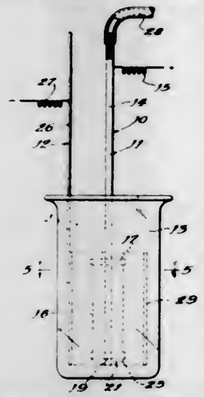
2,544,801
WELDING GUN
Albert Muller, Plainfield, and Glenn J. Gibson, New Providence, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1950, Serial No. 173,743
8 Claims. (Cl. 219—8)



1. Apparatus for inert gas shielded depositing electrode metal arc welding comprising, a wire guide and contact tube for guiding and supplying current to a consumable depositing electrode fed continuously through said tube to an arc formed between the end of said electrode and a workpiece, a barrel surrounding said tube and spaced therefrom to form an unobstructed flow passage of substantially constant cross-sectional area terminating at its exit end in a nozzle orifice having a diameter of not less than 5 times the diameter of said electrode and extending rearwardly from said nozzle orifice a distance of at least five times the diameter of said nozzle orifice, and means for admitting an inert gas

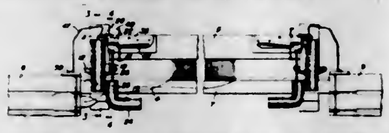
into the inlet end of said unobstructed passage, whereby a non-turbulent inert gas shield is formed about said arc to exclude air therefrom.

2,544,802
METHOD FOR ELECTROLYTIC DETERMINATION OF LEAD AND COPPER
Robert W. Notvest, Affton, Mo., assignor to American Brake Shoe Company, New York, N. Y., a a corporation of Delaware
Application February 10, 1948, Serial No. 7,366
1 Claim. (Cl. 204—1)



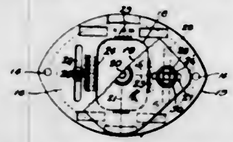
In a method for the quantitative electrolytic determination of lead and copper in lead-copper materials, the improvement which resides in dissolving a sample of the material in nitric acid to form an electrolytic solution, electrolyzing said solution in the presence of a cathode and a cylindrical gauze anode to cause the lead content of the solution to be deposited as PbO_2 on said anode and the copper content of the solution to be deposited on said cathode, passing a continuous stream of CO_2 gas into the solution immediately below said anode during the electrolysis so that the said CO_2 gas will travel upwardly through the solution and create a turbulence about the anode and thus exert a scouring action upon the anode and upon the PbO_2 deposited thereon to remove oxidizing gases such as O_2 and NO_2 which tend to accumulate upon and adhere thereto, adding sulphuric acid to the solution after substantially all of the lead content of the solution has been deposited as PbO_2 on the anode to improve the grain structure of the copper deposited upon the cathode and to cause the copper to adhere more firmly thereto and continuing the electrolysis until substantially all the copper has been deposited on the cathode.

2,544,803
AUTOMATIC FILLING GUIDE FOR TEXTILE LOOMS
Chester N. Perry, North Vassalboro, Maine
Application February 7, 1949, Serial No. 74,908
13 Claims. (Cl. 139—116)



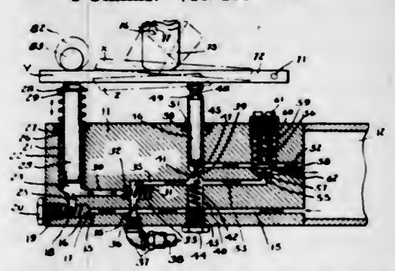
1. In a loom, the combination of a vertically movable shuttle box and a race plate for receiving shuttles from the box, and a filling guide for the filling of the shuttles and comprising a stationary vertical guide plate supported by the loom adjacent the entrance to the race plate, means adjacent the guide plate holding the filling taut, and means actuated by the vertical movement of the shuttle box for similarly moving the first-named means and the filling held thereby.

2,544,804
BORE SIGHTING FIXTURE
Paul F. Peterson, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application April 22, 1946, Serial No. 663,802
2 Claims. (Cl. 33—46)



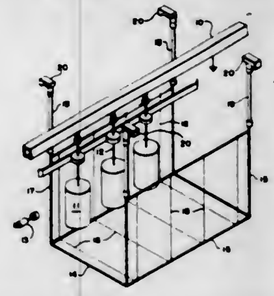
1. Apparatus for bore sighting the barrel of a gun adjustably mounted in a fixed part of an airplane comprising a target frame having a central opening and a plurality of pilot pins adapted to be received in pilot openings located in said fixed airplane part in accordance with the previous positioning of said gun by an original target sighting process, said frame also having a dial face provided with vertical and horizontal scale marks, and a transparent target window adjustably secured to said dial face and having thereon a target to be lined up with the bore of said gun through said opening and also having thereon scale marks adapted to be related to the scale marks on said dial face in order to determine a desired position of adjustment of said target with reference to said dial face.

2,544,805
CONTROL MECHANISM FOR HYDRAULIC PUMPS
John S. Pilch, Ware, Mass.
Application January 8, 1947, Serial No. 720,898
5 Claims. (Cl. 103—23)



1. In a pump, a reciprocating member, an operating member positioned adjacent to one end of said reciprocating member for moving it in one direction of its reciprocating movement, a spring connected with said reciprocating member to press it against said operating member and to move them both in the reverse direction, a power operated cam for alternately pressing against said operating member in the opposite direction from the spring and releasing said pressure to cause reciprocating movement of said reciprocating member, and a manually operable cam for pressing against said operating member and releasing said pressure to reciprocate said reciprocating member at such times as the power source for said cam is not operating.

2,544,806
ELECTROSTATIC COATING APPARATUS
Edwin M. Ransburg, Indianapolis, Ind., assignor, by direct and mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application November 19, 1945, Serial No. 629,608
9 Claims. (Cl. 91—18)



1. Apparatus for electrostatically treating an article comprising a support for the article, an electrode movably mounted in spaced relation to the article, means for creating an electrostatic field between the article and the electrode, and means operatively associated with said field-creating means and being responsive to a predetermined movement of said electrode for de-energizing said field.

2,544,807
WINDSHIELD WIPER MECHANISM
Emil E. Sivacek, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application October 31, 1946, Serial No. 706,944
5 Claims. (Cl. 74—96)

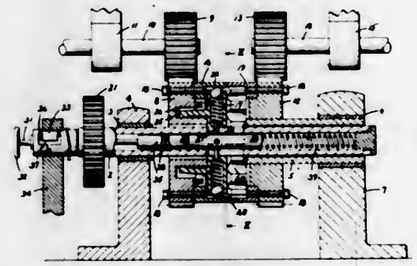


1. In a vehicle windshield wiper system, a pair of wiper shafts adapted to be rockably mounted in laterally spaced relation adjacent the windshield of the vehicle, a drive shaft adapted to be rockably mounted within the vehicle between the wiper shafts, means adapted to support the wiper shafts with their axes lying in a common plane, the axis of the drive shaft being so disposed that it or any extension thereof intersects said plane at a substantial angle, and transmission means connecting said drive shaft and said wiper shafts so that rocking movements of the drive shaft are communicated to and cause corresponding rocking movements of said wiper shafts, said transmission means comprising a crank carried by and individual to each of said wiper shafts, crank means carried by said drive shaft, and a link forming a connection between each said crank and said crank means, each said link comprising a flat strip having connecting means adjacent its ends for connection, respectively, to the corresponding said crank and said crank means and said link being twisted, intermediate said connecting means, through an angle corresponding to the angle of intersection of the axis of said drive shaft with said common plane.

2,544,808
DIMERIZATION OF BUTADIENE
Eldon E. Stahly, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 25, 1947, Serial No. 776,157
2 Claims. (Cl. 260—666)

1. A process of dimerizing butadiene-1,3 to produce 4-vinylcyclohexene-1 comprising: heating the butadiene in liquid phase at a pressure of 40 to 1000 atmospheres at a temperature of 150° to 160° C. for a period of a few minutes in the presence of a metal naphthenate salt catalyst selected from the group consisting of copper naphthenate and chromium naphthenate to obtain a dimer yield in excess of 60% by weight of butadiene treated.

2,544,809
OVERLOAD RELEASE CLUTCH
Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 10, 1945, Serial No. 587,449
8 Claims. (Cl. 192—56)

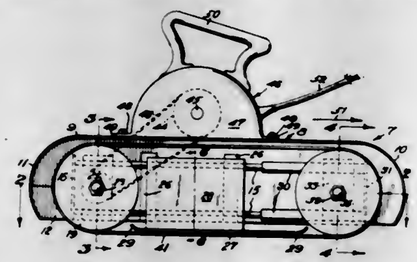


1. In a transmission system comprising a shaft to be driven, two driving members, two driven members axially spaced apart and mounted on the shaft for rotation relative thereto, each of the driven members being mounted in driving engagement with a corresponding driving member, an annular clutch member secured to each of the driven members, a complementary clutch member axially slidably mounted on the shaft, and means for axially shifting the complementary clutch member to selectively engage it with the annular clutch members, the improvement characterized by the fact that the outer peripheral portion of each annular clutch member extends from its respective driven member toward the other driven member into contiguity with the outer peripheral portion of the other annular clutch member to form a shroud surrounding the space between the driven members, and the complementary clutch member is mounted within said shrouded space.

2,544,810
SANDING AND POLISHING ATTACHMENT FOR ELECTRIC HANDSAW SUPPORTING AND DRIVING UNITS
Edwin J. Strandberg, Deadwood, S. Dak.
Application April 30, 1948, Serial No. 24,306
1 Claim. (Cl. 51—170)

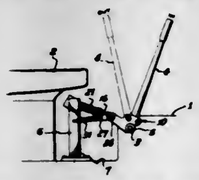
A surface treating attachment for a portable power unit comprising, a housing adapted to be

detachably connected to a portable power unit and supported therebeneath, said housing including a top wall, a side wall and end walls and having an open side and an open bottom, a shaft journaled in the side wall, drive means adapted to connect the shaft to the power unit for revolving the shaft from the power unit, a pulley fixed to the shaft and disposed to revolve in the housing, a pair of rods disposed within and longitudinally of the housing and secured to said side wall, said rods having portions disposed remote to said shaft and spaced from the side wall, a carriage mounted for sliding movement longitudinally in the housing including tubes slidably engaging said



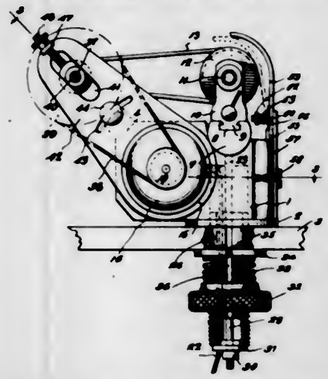
rod portions and having closed ends disposed beyond the terminals of said rod portions, expansion springs disposed in the tubes between their closed ends and said terminals of the rod portions for urging the carriage away from the shaft, a second shaft fixed to and projecting laterally from the carriage, a second pulley journaled on the second shaft, and an endless surface engaging element trained over said pulleys and having a bottom flight located beneath the open bottom of the housing to engage a surface to be treated, said rods and carriage being disposed in a plane parallel to the side wall and between the side wall and the ends of the pulleys disposed adjacent thereto.

2,544,811
CLUTCH LEVER BOOSTER
Frederick A. Straub, Los Angeles, Calif., assignor to F. A. Straub Equipment Co., Los Angeles, Calif., a corporation of California
Application February 27, 1948, Serial No. 11,622
9 Claims. (Cl. 74—97)



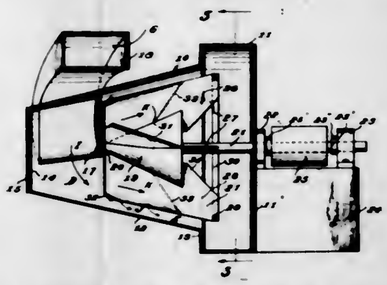
1. In a device for facilitating the shifting of a clutch lever carried by a rock shaft, and maintaining said lever in clutch-in and clutch-out positions, the provision of: a bracket having an intermediate portion arranged to adjoin a rock shaft and a pair of substantially parallel, oppositely directed arms; means for connecting one of said arms to the lever in a position transverse thereto with the longitudinal axis of the other arm, when extended, intersecting said rock shaft; a fixed support spaced from the rock shaft and including a concave, apertured seat; a guide sleeve provided with a hemispherical head on said seat; a guide rod having one end pivotally connected to the end of the bracket arm and the other end slidably received in the sleeve; a compression spring carried by the guide rod with one end thereof bearing against the head of said sleeve; and an adjustably positionable stop on said guide rod for the other end of said spring, the fixed support being arranged to position the concave apertured seat whereby the pivotal connection between the guide rod and bracket arm is normally not in alignment with said seat and rock shaft axis.

2,544,812
JEWELER'S LATHE
Arthur S. Thompson, Ontario, Calif.
Application November 13, 1947, Serial No. 785,783
5 Claims. (Cl. 82—6)



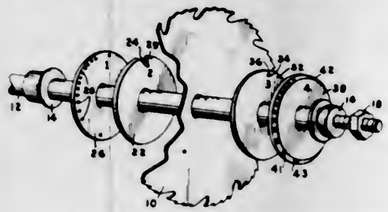
3. In a lathe and motor mounting, a base block, a lathe bed carried thereby, a tubular post extending downwardly from said block for passing through a work bench and mounting the block for turning movement to adusted positions, a stem extending downwardly from said lathe and through said post, a fastener carried by said stem and engaging the lower end of said post, and means carried by the post for engaging the work bench and frictionally holding the block in an adjusted position.

2,544,813
BLOWER
James L. Wall, Washington, Ga.
Application December 9, 1947, Serial No. 790,685
5 Claims. (Cl. 230—119)



1. A blower comprising a housing including a cylindrical header having a closed end wall, a frusto-conical casing member having its larger end communicating with said header through the other end wall thereof, the smaller end of said casing member having an opening, a transparent cover over said opening, a fan rotatably supported within said housing and including a plurality of blades elongated in the direction of the axis of said casing member, the outer edges of said blades being parallel with and in spaced relation to the wall of the casing member, an inlet opening in the wall of said casing member between said cover and said fan, and an outlet opening in the cylindrical wall of said header.

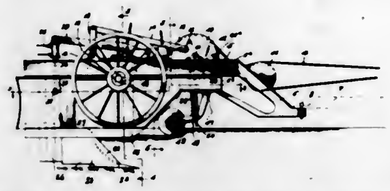
2,544,814
ASSEMBLY FOR TILTABLY MOUNTING A CIRCULAR SAW ON AN ARBOR
Emmet J. Warren, Detroit, Mich.
Application December 4, 1947, Serial No. 789,623
1 Claim. (Cl. 144—238)



In a saw assembly for a circular saw disposed upon an arbor between a pair of clamping nuts one of which nuts is adjustable over the arbor relative to the other nut, two complementary pairs of saw retaining discs provided with oversize arbor receiving passageways mounted upon the arbor, one pair upon each side of the saw, the two discs of each pair tapered from a minimum disc thickness at one end of the diameter to a maximum disc thickness at the opposite end of such diameter, the inner disc of each pair provided on its outer face with a locking pin at one end of said diameter projecting toward the outer disc of the pair and spaced inwardly from the margin of the disc, said disc also provided with a peripheral indicating mark registering with said pin, the locking pin disc of one pair having its pin located at the minimum thickness end of said diameter and the locking pin disc of the other pair having its pin located at the maximum thickness end of said diameter, the outer disc of each pair provided on its inner surface with a plurality of pin receiving recesses disposed spaced apart in a circumferential sequence extending from one end of said diameter toward the opposite end thereof spaced inwardly from the margin of the disc, the outer disc of each pair provided on its outer surface with a marginal beveled face bearing indicia registering with its pin receiving recesses and extending spaced apart in a circumferential sequence from one end of said diameter of the disc toward the opposite end thereof, said sequence extending as to the disc of one pair from the minimum thickness end of said diameter toward the maximum thickness end thereof and as to the corresponding disc of the other pair said sequence extending from the maximum thickness end of the diameter toward the minimum thickness end thereof.

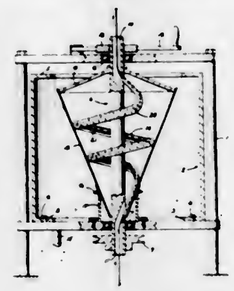
2,544,815
DITCH DIGGING MACHINE
Robert E. Weaver, Ziegler, Ill.
Application August 10, 1945, Serial No. 610,079
5 Claims. (Cl. 37—98)

1. A ditch digging machine comprising a frame, wheels supporting said frame, an axle journaled in the frame having cranks on which the wheels are journaled, a scoop like cutter, a vertically extending slide at the rear of said cutter, a guide for the slide carried by the frame, hydraulic means for vertically adjusting the frame on said



wheels and for vertically adjusting the slide, said hydraulic means including link and lever means between the slide and wheels and the hydraulic means, and a second hydraulic means interposed in the link and lever means for raising or lowering the slide independently.

2,544,816
CONTINUOUS SYSTEM OF EXTRACTING
Frederick C. Wedler, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 4, 1947, Serial No. 732,241
7 Claims. (Cl. 210—63)

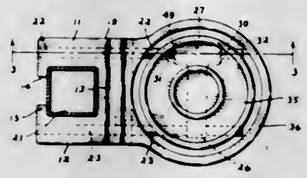


6. An apparatus for continuously extracting liquids from fibrous material which comprises a perforated conical container mounted on a shaft and rotatable therewith, a stationary drum surrounding the container, means for drawing liquid from the stationary drum, a spiral trough secured to the inner wall of the said container and having a foraminous wall on the side of the trough away from the axis, the shaft having axial passageways adjacent to each end of the container to provide an axial entrance and an axial exit for the material, and the trough connecting with the passageways in the shaft to provide communication therewith.

2,544,817
TABLE LEG CLAMPING BRACKET
Denis F. White, Indianapolis, Ind.
Application May 25, 1949, Serial No. 95,317
4 Claims. (Cl. 248—221)

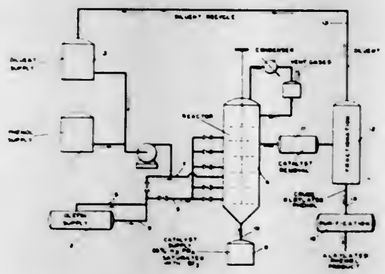
2. A clamping device for securing a horizontal shelf to a vertical post comprising a U-shaped body provided with opposed arms and a web connecting the arms, each of said arms being provided with inwardly extending projections on its free ends, said arms, web, and end projections

being formed to fit tightly around the major portion of the horizontal perimeter of a post; an elongated member having a portion imbedded centrally in one of said arms and having an exposed portion extending from the web end of the body; a second elongated member having a portion imbedded centrally in the other of said arms and having an exposed portion extending from the web end of the body; a spacer bar pivotally



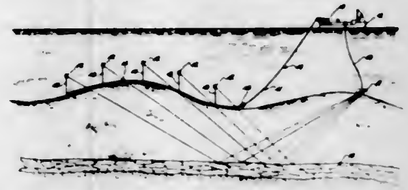
mounted on the exposed portion of one of said members and having a slot in a free end to engage the other member, said bar being arranged to prevent relative movement of the members toward each other when the other member is engaged in the slot; said shelf being secured to the top of the spacer bar in such a manner as to be held in a horizontal position when the spacer bar is engaged with the other elongated member.

2,544,818
ALKYLATION OF PHENOLS
William N. Axe, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 16, 1945, Serial No. 629,202
13 Claims. (Cl. 260—624)



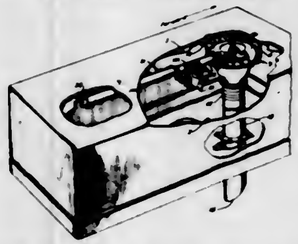
1. The process of introducing a single alkyl group into a phenol which comprises contacting a phenol and an olefin in the presence of normal pentane as a diluent and in the presence of a catalyst consisting of the product resulting from the saturation of concentrated aqueous orthophosphoric acid containing from 70 to 90% H_3PO_4 with boron fluoride, maintaining the resulting mixture at a temperature of from 85 to 120° F. at a pressure allowing boiling of the reaction mixture, while maintaining the olefin concentration below 5 weight per cent in the reaction mixture and thereby effecting introduction of a single alkyl group corresponding to said olefin into the benzene nucleus of said phenol as the principal reaction, and recovering the resulting product containing one introduced alkyl group in an amount in excess of 50 per cent of the theoretical yield.

2,544,819
APPARATUS FOR MARINE SEISMIC PROSPECTING
John J. Babb, Laurel, Miss., and Neal J. Smith, New Orleans, La.; said Babb assignor to Geophysical Service Inc., Dallas, Tex., a corporation of Delaware, and said Smith assignor to The California Company, New Orleans, La., a corporation of California
Application August 29, 1947, Serial No. 771,344
3 Claims. (Cl. 177—352)



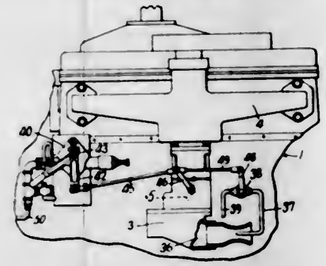
1. A seismometer spread for submarine prospecting that comprises a plurality of seismometer units each including a seismometer for converting seismic signals into electrical signals and flotation means which taken with the seismometer will make the seismometer unit have an apparent specific gravity less than that of water in which it is to be used, a flexible electro-conductive cable attached to each seismometer unit for carrying the electrical signals from the seismometer in the unit and positioning the seismometer unit, and a main electro-conductive cable to which the first-mentioned cables are connected at spaced positions, said main seismometer cable serving to conduct the signals from the seismometers to the surface of the water and being sufficiently heavier than the water it displaces so that it will sink to the bottom of the water and drag the seismometer units down to fixed positions above it, which positions will be determined by the lengths of the first-mentioned seismometer cables.

2,544,820
FUEL TANK VENT VALVE
Bill P. Baker, Inglewood, and Leonard J. Lyons, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application May 19, 1949, Serial No. 94,146
4 Claims. (Cl. 220—85)



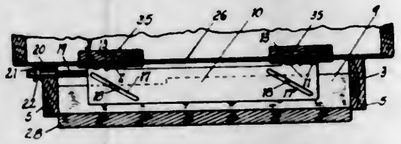
1. A fuel tank vent system comprising a vent valve elastically urged to a closed position, the inlet side of said valve being exposed to the vapor pressure above the normal level of the fuel in said tank, the outlet side of said valve being exposed to the ambient atmosphere, said valve being mounted within said tank near the forward end thereof, a vent pipe connected to said vent valve on said outlet side, said vent pipe having an open end in direct contact with said vapor above said normal fuel level near the rear end of said tank, and means defining an opening in the wall of said vent pipe as close as practicable to said vent valve, said opening also being in direct contact with said vapor above said normal fuel level.

2,544,821
COMPRESSOR SUPERCHARGING SYSTEM
Jess M. Bartholomew, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,973
11 Claims. (Cl. 230—4)



1. In combination, a compressor, an internal combustion engine for driving said compressor, fluid actuated unloading means for said compressor, a receiver for fluid compressed by said compressor, means for conducting fluid from said receiver to said engine for supercharging the latter, valve means for controlling the flow of fluid through said fluid conducting means, fluid actuated means for controlling said valve means, and means responsive to receiver pressure operative at a predetermined maximum pressure in said receiver for supplying fluid to said unloading means and to said fluid actuated controlling means.

2,544,822
ADJUSTABLE BASE FOR DESKS, FURNITURE, AND THE LIKE
Wallace C. Brown, Grand Rapids, Mich., assignor to Gunn Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application May 4, 1946, Serial No. 667,399
10 Claims. (Cl. 312—253)

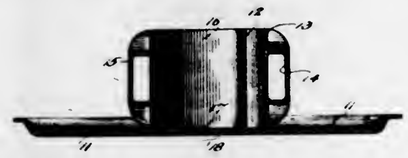


2. An adjustable support for desks, furniture and the like comprising an elongated base member having a longitudinal chamber therein open at the bottom, a bar-like foot piece disposed in said chamber for vertical adjustment therein, said foot piece having an upwardly facing longitudinal slot therein, longitudinally spaced thrust plates mounted on the top of said base, a cam plate slidably mounted in said base member in thrust engagement with said thrust plates and projecting into said slot in said foot piece and having diagonal cam slots therein, said foot piece having follower pins engaged in said cam plate slots, and an adjusting screw disposed longitudinally of and rotatably mounted on said base and having threaded engagement with said cam plate whereby the cam plate may be longitudinally adjusted to raise and lower the base relative to said foot piece.

2,544,823
N-(HYDROXY ARYL) PYRROLINES AND PYRROLIDINES
Joseph A. Chenicek, Bensenville, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 8, 1949, Serial No. 75,306
5 Claims. (Cl. 260—313)

1. A novel composition of matter comprising a polycyclic compound containing a hydroxy aromatic ring joined to the nitrogen atom of a 5-numbered heterocyclic ring consisting of nitrogen and carbon and containing not more than one double bond.

2,544,824
WINE SERVICE TRAY
Floyd Clifford, Gloversville, N. Y.
Application December 18, 1945, Serial No. 635,704
4 Claims. (Cl. 65—53)



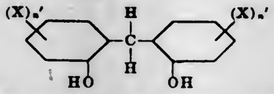
4. A bottle cooling and serving device comprising a supporting tray, an annular bottom wall centrally superimposed integrally on said tray, an inner cylindrical wall vertically extending from the bottom wall, an outer cylindrical wall concentrically disposed about the inner wall and extending vertically from the circumferential edge of the bottom wall, said inner and outer walls being laterally spaced and having upper open ends terminating in the same horizontal plane, and integral handle carrying members laterally extending from the outer surface of said outer wall.

2,544,825
ADDITION SALTS OF CHLOROMETHYL DERIVATIVES OF VAT DYESTUFFS AND METHOD OF MAKING SAME
Samuel Coffey, Norman Hulton Haddock, Frank Lodge, James Wardleworth, and Clifford Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 1, 1947, Serial No. 758,468. In Great Britain July 3, 1946
11 Claims. (Cl. 260—351)

1. Water-soluble derivatives of vat dyestuffs selected from the group consisting of the acedianthrone, dibenzanthrone, isodibenzanthrone, indanthrone and perylene-tetracarboxy-diphenylimide class vat dyestuffs characterized by having directly attached to one of the aromatic rings of the dyestuffs molecule at least one radical of the type $—CH_2X$ wherein X represents an onium salt radical selected from the group consisting of the sulphonium, isothiouronium and quaternary ammonium salts of water-soluble acids.

2,544,826
ANTHELMINTIC FEED COMPOSITION
Arthur Henry Craige, Jr., Riverdale, Md., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Original application May 8, 1945, Serial No. 592,729. Divided and this application October 6, 1949, Serial No. 120,000
9 Claims. (Cl. 167—53.1)

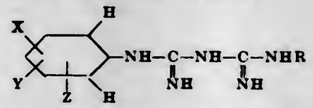
4. An animal and poultry feed containing a minor proportion of a substance represented by the following formula:



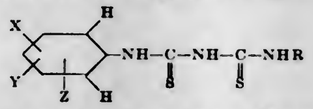
in which X represents a halogen selected from the group consisting of chlorine and bromine, said halogen substituents being arranged symmetrically, and n' represents a whole integer of the group consisting of 1, 2, 3, and 4.

2,544,827
MANUFACTURE OF BIGUANIDE DERIVATIVES
Francis Henry Swinden Curd, deceased, late of Bramhall, England, by Muriel Ruth Curd, executrix, Bramhall, England, and Dora Nellie Richardson, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 14, 1949, Serial No. 104,822. In Great Britain August 20, 1948
4 Claims. (Cl. 260—565)

1. A process for the manufacture of biguanide derivatives of the general formula:



wherein X is a halogen radical of atomic weight greater than fluorine, Y and Z are radicals from the group consisting of hydrogen, halogen of atomic weight greater than fluorine, and lower alkyl having between 1 and 4 inclusive carbon atoms, and R is a lower alkyl radical having between 2 and 7 carbon atoms inclusive, which comprises mixing a substance from the group consisting of those having the general formula:



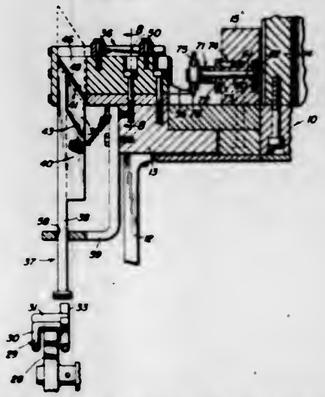
wherein the symbols have the significance stated above, and the S-monoalkyl derivatives thereof, with ammonia, allowing the intermixed materials to react and recovering the biguanide derivative from the reaction product.

2,544,828
LEAKPROOF CONSTRUCTION OF PIPES, TANKS, AND THE LIKE
Curzon Dobell, New York, N. Y., assignor to Preload Enterprises, Inc., a corporation of Delaware
Application May 12, 1944, Serial No. 535,353
5 Claims. (Cl. 72—14)

1. A cylindrical container comprising an annular wall of a thickness to sustain substantial compression, and ribbon stock of liquid-impervious material of high tensile strength wrapped in overlapping relation about and under substantial tension in contact with the outer face of the wall and forming a continuous diaphragm over and enclosing said face and placing the wall in prestressed compression.

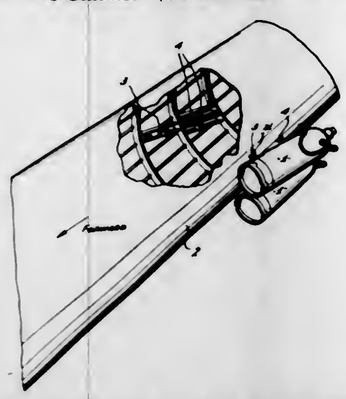


2,544,829
TWO-STEP TUCKING DEVICE FOR KNITTING MACHINES
John N. Gilbreath, Summerville, Ga., assignor of one-half to Albert L. Gilbreath, Summerville, Ga.
Application February 8, 1949, Serial No. 75,114
14 Claims. (Cl. 66—44)



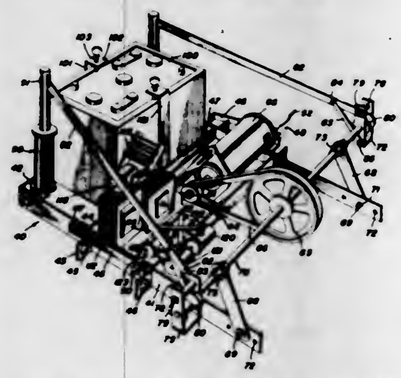
1. In a knitting machine of the type having a needle bank, short butt needles having regular latches, long butt needles having long latches and long butt needles having regular latches, all said needles being mounted in said needle bank to move in spaced parallel paths, a cam member mounted adjacent the needle bank to move transversely of the needles, said cam member having a cam groove therein for receiving the needle butts and actuating said needles as the cam moves, and means for moving said cam member, means to produce tuck stitches in the product of the machine while the product is in the process of manufacture, said means comprising a pair of superposed cam plates mounted in the cam member to move parallel to the needles, a cam face on one edge of each cam plate for projection into the cam groove and engagement with the needle butts, a shaft mounted in the cam member to rotate about an axis which lies perpendicular to the paths of movement of the cam plates, cams on the shaft engaging the cam plates to project or retract the cam faces thereof into and out of the cam groove and means on the shaft adjacent the cam member for rotating said shaft and moving the cam plates.

2,544,830
JATO RELEASE DEVICE
Raymond E. Grill, Long Beach, and Vernon L. White, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 5, 1948, Serial No. 52,914
8 Claims. (Cl. 244—137)



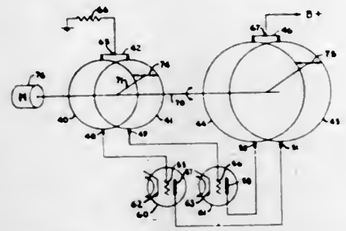
1. In combination, a body, a frame slidable in said body to project beyond a surface of said body, elastic means urging said frame inwardly to a position at least flush with said surface, means for locking said frame against said urge in a position projecting from said surface, a hook on the outer end of said frame and adapted to receive a member urged to leave said hook, movable hook closing means at least partially closing the open end of said hook when said member is in said hook, and means connected to said frame locking means to unlock said frame simultaneously with movement of said hook closing means under the urge of said member.

2,544,831
ELECTRICALLY PROPELLED WHEEL CHAIR
Arthur C. Guyton, Oxford, Miss.
Application September 3, 1948, Serial No. 47,723
13 Claims. (Cl. 180—6.62)



4. An electrically propelled wheel chair with a frame and two main driving wheels comprising a storage battery, an electromotor, a shaft driven by said electromotor, frictional driving rollers on said shaft, each driving roller normally engaging one of the main driving wheels, a brake roller carried by said shaft near each of said driving rollers, electromagnetic means for applying each brake roller separately and for disengaging each of said driving rollers from frictional engagement with the main driving wheel, relay switches controlling the direction of current flow from the storage battery to the electromotor, a frame for supporting the storage battery, an electromotor shaft, driving rollers, brake rollers and relay switches, and locking means for locking said frame to the wheel chair frame thereby bringing the driving rollers into frictional engagement with the main driving wheels of the arm chair.

2,544,832
VARIABLE FREQUENCY TANK CIRCUIT
Lawrence N. Hadley, Jr., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of the Navy
Application August 8, 1945, Serial No. 609,667
5 Claims. (Cl. 250—36)

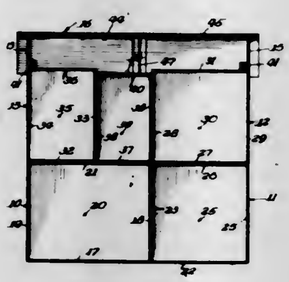


1. In combination, two electron discharge devices each having a cathode, an anode, and a control element, a circuit interconnecting the control elements of both of said devices, said circuit including a pair of parallel closed ring conductors, and a common ground connection, a second circuit interconnecting the anodes of both of said devices, said second circuit including a pair of parallel closed ring conductors, and a connection to a high voltage plate supply source and means for tuning each of said circuits individually, said means comprising a pair of slidable bridging members, one associated with each of said circuits, arranged to be actuated in unison.

2,544,833
TWO-STORY KNOCKDOWN VARIETY DOLL HOUSE
Leni K. Hammond and Richard H. Stout, Winnetka, Ill.
Application October 2, 1946, Serial No. 700,816
1 Claim. (Cl. 46—21)

As a new article of manufacture, a knockdown variety two story, five room, doll house comprising a pair of open front, rigid, box-like room forming units adapted to be placed in side by side and abutting relation and to form the first story of the house and each consisting of fixedly connected bottom, side, back and top walls, and three open front, rigid, box-like room forming units adapted to be placed in side by side and abutting relation and to rest on, and register with, the top walls of, the two first story units and form the second story of the house, having the same combined width as the combined width of the first story units, and each consisting of fixedly connected bottom, side, back and top walls, said two first story units being the same in height and depth, one of the first story units having its overall width less than the inside height of the other first story unit in order that when it is turned

at right angles to said other unit it may be inserted into nested relation with the latter, the outer two second story units being the same in height and depth and corresponding in depth to said first story units, one of the outer second story units being the same in width as said one first story unit, wider than it is high and of sufficiently less height than said one first story unit that when it is turned at right angles to said one first story unit it may be inserted into nested relation with the latter, the other outer second story unit being of less width than the one outer second story unit and adapted when turned at right angles to said one outer second story unit to be inserted into nested relation with the latter, the intermediate second story unit being the same in depth as the two outer second story units, of less width and height than said other outer second story unit, and adapted to be inserted into nested relation with the latter, said house also comprising a pair of similarly sized gable



forming members designed and adapted to rest on, and project upwards from, the top walls of the outer two second story units, and an elongated separately formed gable roof adapted to have the ends thereof rest on, and be supported by, said gable forming members and consisting of four similarly sized rectangular, hinged together sections arranged and proportioned so that when the roof is in its proper operative position on the gable forming members the front and rear margins thereof overhang the front and rear marginal portions of the top walls of the three second story units and cover the front and rear portions of the space that is directly over the top wall of the intermediate second story unit, and also so that in connection with dismantlement of the house the roof may be folded lengthwise and crosswise into a quarter size unit of such size that it may be inserted into said other first story unit while said one first story unit is in nested relation with the latter.

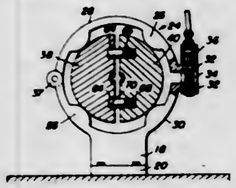
2,544,834
VALVE ADJUSTING TOOL
James Lewis Hancock, Indian Head, Md.
Application June 30, 1947, Serial No. 758,069
2 Claims. (Cl. 81—3)

1. A valve adjusting tool comprising in combination, a handle, a tubular shank secured to said handle and formed with a pair of longitudinally extending, diametrically opposed slots, a stem slidable in said shank and projecting at one end therefrom, a pair of radially projecting stops provided on said stem and slidably engaging said slots, the projecting end portion of said stem terminating in a screw driver blade, a pressure cap slidably positioned on said stem adjacent said



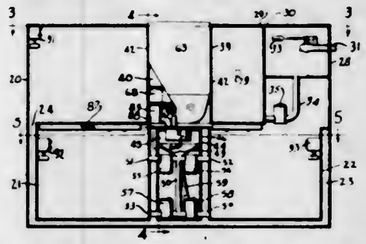
blade, and a compression spring on said stem between said cap and said handle.

2,544,835
AUTOMATIC BEAD MAKING MACHINE
Eugene C. Healy, Pawtucket, R. I.
Application March 23, 1948, Serial No. 16,542
4 Claims. (Cl. 153—73)



2. In an automatic beading machine, a pair of oppositely disposed dies, means on the dies to form beads, springs mounted in bores in one of said dies, peg means in the other of said dies engaging and compressing said springs, a cam ring encircling said dies and comprising opposing segments releasable, hinged together for moving the segments of said cam ring toward each other, thereby releasably pressing said oppositely disposed dies together.

2,544,836
COFFEE-MAKING APPARATUS
Richard D. Hotvedt, Minneapolis, Minn.
Application May 19, 1947, Serial No. 748,889
13 Claims. (Cl. 99—282)

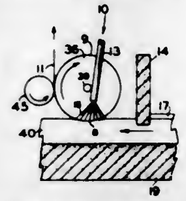


1. An apparatus for making a beverage consisting of liquid and solid substances, comprising a main vessel in which the temperature of

the liquid substance is to be elevated, a resistance element for causing said main vessel to be heated, a normally closed first float controlled switch in the main vessel adapted to be opened in response to raising of the level of the liquid in said main vessel, a first connection for liquid from a source of supply to said main vessel, a normally closed first electrically operated valve for precluding passage of the liquid by way of said first connection to said main vessel, a vessel for receiving said beverage, a normally closed second float controlled switch in the receiving vessel adapted to be opened in response to raising of the level of the beverage in said receiving vessel, a brewing chamber, electrically operated means for delivering a measured amount of a solid substance to said brewing chamber, a second connection from the main vessel to the brewing chamber, a normally closed second electrically operated valve for controlling passage of the liquid by way of said second connection from said main vessel to said brewing chamber, a third connection between the brewing chamber and said receiving vessel, first contact elements adapted to be engaged when the temperature of the liquid in the main tank is relatively low, thermostatically operated means for causing said first contact elements to become disengaged in response to elevation of the temperature of the liquid in said main vessel, normally disengaged second contact elements adapted to be engaged in response to manual operation of a switch, a contactor for retaining said second contact elements in engaged relation, a holding circuit for said contactor controlled by said second float controlled switch and including the second contact elements, a circuit for the first electrically operated valve controlled by said first float controlled switch adapted to be made in response to engagement of said second contact elements to cause said first electrically operated valve to be moved to open condition and to be broken in response to opening of the first float controlled switch to permit the first electrically operated valve to be moved to closed condition, a circuit for energizing said electrically operated means adapted to be established in response to manual operation of said switch, means for causing said last mentioned circuit to be broken when said measured amount of said solid substance has been delivered to said brewing chamber, a circuit for said resistance element adapted to be established through said first contact elements and to be broken when the first contact elements become disengaged, and a circuit for the second electrically operated valve including said second contact elements.

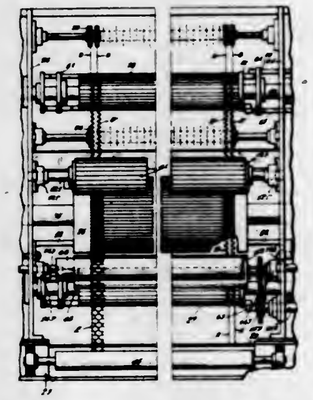
2,544,837
APPARATUS FOR THE CONTINUOUS FORMATION OF METAL IN SHEETS
James Fernando Jordan, Huntington Park, Calif., assignor to James Jordan Laboratory, Huntington Park, Calif., a partnership
Application October 27, 1949, Serial No. 123,960
2 Claims. (Cl. 22—57.3)

1. In a continuous casting apparatus, a vessel adapted to hold a pool of molten metal, a casting drum rotatably mounted in said vessel with a portion of its circumference extending below the normal molten metal level in said vessel, nozzles positioned above the molten metal and at each end of the casting drum, said nozzles being directed so as to cause a barrier of gas to press down into the surface of said molten metal at each end of said casting drum and at the point where said molten metal contacts said ends of said casting drum, and means for supplying said nozzles with gas under sufficient pressure to cause said barriers of gas to press down into the surface of said molten metal to a depth at least



equal to the depth of immersion of said casting drum in said molten metal, so that said molten metal is prevented from contacting and solidifying on said ends of said casting drum.

2,544,838
WIRE NETTING MACHINE
Harry L. Kitselman, Muncie, Ind., assignor to Indiana Steel and Wire Company, Muncie, Ind., a corporation of Indiana
Application December 8, 1947, Serial No. 790,382
19 Claims. (Cl. 140—6)

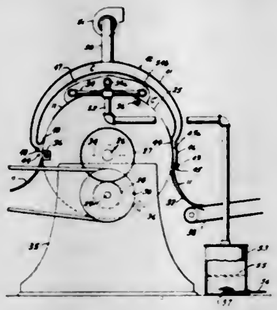


1. In a machine for making wire netting, an endless series of spaced, parallel rows of slotted twister gears, a movable support therefor, means for feeding two sets of mesh wires, a wire-forming mechanism associated with each set of mesh wires and operating in timed relation with said twister-gear support, each said mechanism operating to form in each of its associated wires a series of lateral off-sets, guides for guiding both sets of formed mesh wires into association with said support at spaced points thereon, means at each of such points for forcing formed mesh wires into the slots of the twister gears, and mechanism operable in the movement of said support for rotating the gears of each row after the preformed mesh wires have been deposited in the slots thereof.

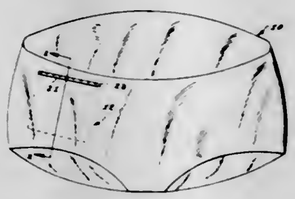
2,544,839
APPARATUS FOR EFFECTING THE HARDENING OF DEPOSITS OF INK AND LIKE COMPOSITIONS
Jess D. Klopfenstein, Chicago, Ill., assignor to The Meyercord Co., a corporation of Illinois
Application November 1, 1946, Serial No. 707,228
5 Claims. (Cl. 34—122)

1. In apparatus of the class described, driven means defining a backing surface on which

sheet-like material may be moved, a housing having nested arcuate baffles providing parallel terminal edges closely spaced from said backing surface and defining therewith an inner treating chamber and an outer exhausting chamber in restricted communication with each other only at said terminal edges adjacent said backing surface, means for supplying a treating agent in vapor form to said treating chamber, means for withdrawing unused treating agent from said exhausting chamber and means carried by said driven means for engaging said sheet-like material to hold the same against said backing surface to expose only the opposite surface of said material to said treating vapor.

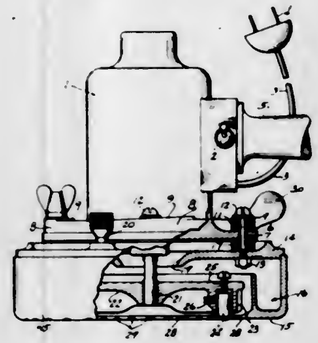


2,544,840
BATHING TRUNKS WITH WATERPROOF POCKET
Ferdinand Kowatsch, Chicago, Ill.
Application March 8, 1949, Serial No. 80,217
1 Claim. (Cl. 2—67)



In a bathing suit provided with a slit, a pocket disposed adjacent to the inner side of the bathing suit and slit and having its top open and arranged in registration with the slit, a first pair of free overlapping flaps disposed adjacent to the inner side of the bathing suit between the pocket and bathing suit and extending over the slit of the bathing suit and open top of the pocket, opposed slide fastener tapes disposed adjacent to the inner sides of said first overlapping flaps and arranged between such flaps and the pocket and extending over the open top of the pocket for covering the same, slide fastener elements secured to adjacent edges of the tapes for interlocking engagement, a slider for the slide fastener elements, separate handles pivotally secured to the inner and outer sides of the slider, and a second pair of overlapping flaps disposed adjacent to the inner sides of the slide fastener tapes and arranged between such tapes and the pocket, the overlapping portions of the first and second pairs of flaps covering the slide fastener elements when they are in interfitting engagement and the top end of the pocket, first and second pairs of flaps and slide fastener tapes being secured to the bathing suit at the opposite sides of the slit, the pocket depending from the slit and being free from connection with the bathing suit below the slit, each overlapping flap of the first and second pairs of flaps being unitary and formed of a single layer only of flexible sheet material.

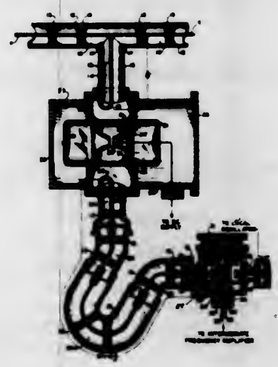
2,544,841
ROTARY CUTTING AND SCRAPING DEVICE
Joseph V. La Fontaine, Portland, Oreg.
Application September 11, 1946, Serial No. 696,264
1 Claim. (Cl. 144—2)



A cutting and scraping device comprising in combination, a motor disposed within a vertically disposed housing flanged at its bottom end, a rotary cutting head secured to the bottom end of the motor shaft, an annular collector casing yieldingly attached to the flange of said motor housing and surrounding said cutter-head, cam means carried by said motor housing flange for raising or lowering the casing with respect to the cutter-head to regulate the depth of the cut thereof, said cam means comprising a ring rotatably mounted on the flange of said motor housing and surrounding said housing, said ring having cam surfaces formed thereon and arcuate openings formed therethrough, bolts extending through said openings in said cam ring, through the motor housing flange and through resilient means interposed between said flange and said casing, and said bolts being attached to said collector casing whereby the same may be raised or lowered with respect to said cutter-head upon rotation of the cam ring.

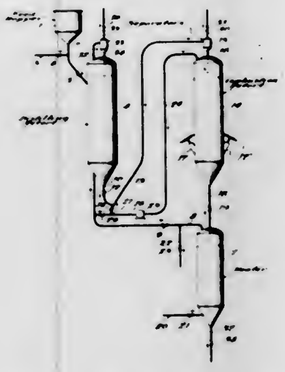
2,544,842
OVERLOAD PROTECTION OF HIGH-FREQUENCY RECEIVERS
James L. Lawson, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 23, 1943, Serial No. 491,988
10 Claims. (Cl. 250—13)

10. In an electrical circuit having a sensitive element characterized by a non-linear impedance function of current therethrough and a protective device having an output coupling for said element, transmission means interconnecting said element and the output coupling of said device, said transmission means having an electrical length between said coupling and said sensitive element substantially equal to an odd



number of quarter wavelengths for the frequency of circuit operation.

2,544,843
TREATMENT OF SOLID HYDROCARBONACEOUS MATERIAL
Frederick A. W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 28, 1948, Serial No. 4,876
9 Claims. (Cl. 202—15)



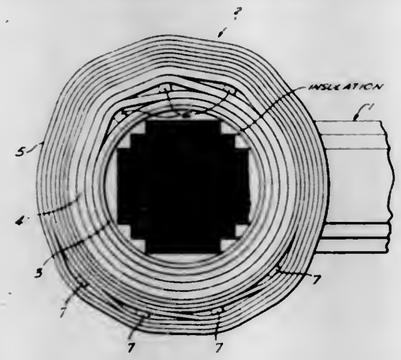
1. A process for the treatment of solid hydrocarbonaceous material which comprises continuously supplying a stream of finely divided solid hydrocarbonaceous material of relatively high ash content to a confined distilling zone and passing it in a dense mass downwardly through said zone in direct contact with a gasiform heat-supplying medium comprising superheated steam at distilling temperature, withdrawing a stream of hot finely divided distillation residue from said distilling zone and commingling the same with a hot gaseous fluidizing medium, transferring said residue stream fluidized in said gaseous fluidizing medium and substantially without intentional cooling to a separate confined combustion zone and therein burning substantially all undistilled combustible material from said distillation residue while conducting the latter in a dense mass downwardly in direct contact with a free oxygen-containing gas, introducing said superheated steam to the lower portion of said distilling zone and said oxygen-containing gas to the lower portion of said combustion zone each at a rate at which the solid material in the dense mass within each of said zones is maintained in finely subdivided and freely flowing state, withdrawing a vaporous stream of distillation products and gasiform heat-supplying medium from the upper portion of said distilling zone while independently thereof discharging hot combustion gases from the upper portion of said separate combustion zone, passing a stream of highly heated non-combustible residue from said combustion zone substantially without intentional cooling to a separate and confined heating zone and therein cooling said non-combustible residue by direct contact with water in an amount in excess of that required to generate said superheated steam, continuously feeding a stream of the resultant superheated steam from said heating zone directly to said distilling zone, and discharging a slurry of finely divided solid residue and water at a substantially lowered temperature from said heating zone.

2,544,844
CASE FOR MICROFILMS
Henri Sosthène Liber, Paris, France, assignor, by mesne assignments, to Societe Civile d'Etudes & Inventions Liber (S. E. I. L. I. B.), Paris, France, a corporate body of France
Application August 5, 1947, Serial No. 766,133
In France July 21, 1947
2 Claims. (Cl. 40—16)



1. A case for microfilms which comprises a strip of transparent material folded upon itself to form two faces one of said faces being wider than the other, a fold in the portion of the wider face extending beyond the narrower face, said folded portion of the wider face being folded over the said narrower face to form a double fold therein, stitches extending through both thicknesses of said double fold in the wider face and both faces of the case and extending the entire length of the case so as to form a main compartment between the two faces of the case to receive the microfilm and an auxiliary compartment between the two faces of the case to receive a strip of material bearing identification signs, so that the film which is housed in the case can be identified and read without removal from the case.

2,544,845
TRANSFORMER CONSTRUCTION
Edwin A. Link, Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application September 13, 1948, Serial No. 49,023
2 Claims. (Cl. 175—362)



1. In an electromagnetic device, a winding having a plurality of layers, and a plurality of longitudinally extending spacing members located between successive layers with each successive spacing member spaced circumferentially and radially from every other spacing member to form a series of pairs of ducts, each individual pair of ducts being adjacent one spacing member only and being remote from all other spacing members.

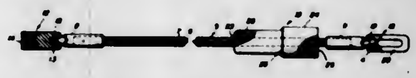
2,544,846
COOKING UTENSIL
Benjamin W. Mach, Chicago, Ill.
Application January 11, 1949, Serial No. 70,196
3 Claims. (Cl. 99—355)



1. The combination with a frying pan having a raised edge and a handle, and an annular perforated sheet metal inner bottom approximately co-extensive with the bottom of the frying pan and parallel therewith so that in frying position said bottoms are in contact over the entire area of the inner bottom, a handle therefor, said inner bottom provided with extensions adapted to engage said edge at one side of the center of gravity of said inner bottom to suspend the latter from said edge, said second handle being provided with an extension adapted to engage the pan handle to prevent tilting of the inner bottom about the point of contact of said first extensions and said edge.

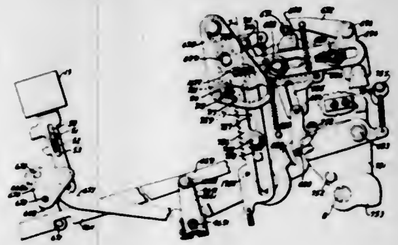
2,544,847
FLEXIBLE RIFLE AND SHOTGUN CLEANING SHAFT
Victor G. Malesky, Dearborn, Mich.
Application August 31, 1949, Serial No. 113,449
3 Claims. (Cl. 15—104.165)

3. A gun barrel cleaner comprising a flexible shaft terminating in a rigid fitting, an adapter swivelly mounted on said fitting, and a sleeve fitting over and snugly enclosing said adapter, said sleeve having an annular inturned end portion providing a stop shoulder adapted to engage the



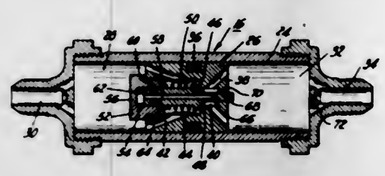
adapter to locate and position the sleeve over said adapter, and an internally screw-threaded socket member formed integral with the other end of said sleeve.

2,544,848
FACTOR ENTERING MECHANISM
Richard S. Mark, Arcadia, Fred N. Schwend, Monterey Park, and Clifford P. Stowell, Alhambra, Calif., assignors to Clary Multiplier Corporation, San Gabriel, Calif., a corporation of California
Application December 5, 1949, Serial No. 131,113
2 Claims. (Cl. 235—61)



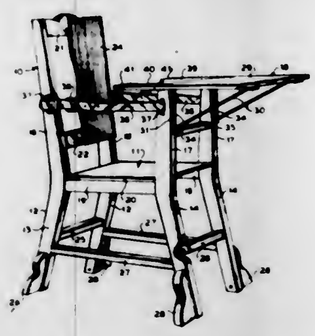
1. In a calculating machine including a calculating unit and cyclically operable drive mechanism, the combination comprising denominationally arranged devices, each adjustable to different positions from a home position for entering different digits, respectively, of a factor into such calculating unit, means for locking said devices in different positions thereof, differentially operable actuators adapted to adjust said devices, each of said actuators being movable from and to a home position, selectively settable means for controlling the extent of movement of said actuators from said home positions, normally ineffective means for operatively connecting said actuators to said devices, an actuating element movable sequentially by said drive mechanism to each of three positions, said element being capable in one of such positions to cause said locking means to lock said devices and in a second position to cause said locking means to release said devices, and in a third position to cause said locking means to release said devices and to render said correcting means effective; means operable by said drive mechanism for moving said actuators from said home positions thereof and for moving said actuating element to said second position thereof and for moving said entering devices to said home positions thereof, and means operable by said drive mechanism for thereafter moving said actuating element to said third position and for returning said actuators to said home positions thereof whereby to advance said entering devices from said home positions thereof, and means operable by said drive mechanism for thereafter moving said actuating element to said first position thereof.

2,544,849
HYDRAULIC BRAKE AUTOMATIC ADJUSTER
John G. Martin, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 23, 1946, Serial No. 642,819
6 Claims. (Cl. 60—54.5)



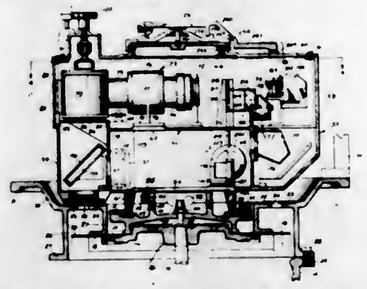
4. A hydraulic brake adjustor including a cylinder having an opening at one end adapted to be connected to a pressure producing device and having an opening at the other end adapted to be connected to a hydraulic motor, a piston reciprocable in said cylinder having a passage therethrough, a hydraulically balanced valve adapted to close the aforementioned passage and being incapable of being opened by hydraulic pressure acting thereagainst, resilient means biasing the valve element to closed position, and means for opening the valve when the piston has moved a predetermined distance on its pressure applying stroke.

2,544,850
INVALID'S CHAIR
Charles Martoniez, Cleveland, Ohio
Application August 2, 1949, Serial No. 108,135
3 Claims. (Cl. 155—128)



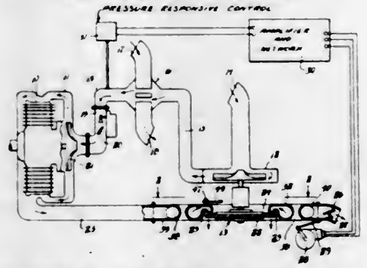
3. An invalid's chair comprising a horizontal seat, a chair back on said seat, front and rear supporting legs on said seat, upwardly-extending supporting posts on said front legs extending above said seat, a forwardly-extending table top on the upper ends of said posts, a flexible member releasably connected between each of said posts and one side of said seat back for restraining a person seated straddle on said chair, a hinged table top leaf on the rear edge of said table top swingable from a depending folded position to a horizontal extended position between said table top and said seat back, and releasable bracing means carried by said table top engaging said leaf for securing said leaf in extended position.

2,544,851
PERFORMANCE RECORDING INSTRUMENT FOR DIRECTION INDICATORS
Thomas O. McCarthy, United States Navy, and John L. Maulbetsch, Port Washington, N. Y.
Application February 21, 1946, Serial No. 649,423
9 Claims. (Cl. 346—2)



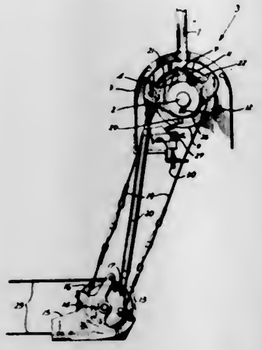
1. A performance recording instrument for a direction indicator or direction stabilizer having a rotary element and an index-equipped bearing scale therefor, comprising a support attachable to said rotary element and rotatable therewith, means for illuminating said bearing scale, a scale optical system on said support adapted to project an image of a portion of said bearing scale into a predetermined image plane, a horizon optical system on said support adapted to project an image of a portion of the horizon into said predetermined image plane, a tilt indicator disposed in comparison relationship with said horizon image whereby to indicate the level and cross-level of said instrument, and means for simultaneously reproducing said images and the tilt indication of said tilt indicator.

2,544,852
EXHAUST GAS TURBINE WITH VARIABLE NOZZLE AREA FOR MAINTAINING CONSTANT PRESSURE DROP THROUGH THE TURBINE
Alwin B. Newton, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 31, 1945, Serial No. 625,863
2 Claims. (Cl. 253—78)



1. An exhaust gas driven turbine for a turbo-supercharger, comprising a turbine wheel, a plurality of nozzles around the wheel for directing exhaust gases thereagainst, means for delivering exhaust gases to diametrically opposed portions of the nozzles, and separate means for selectively delivering the gases to other portions of the nozzles, said last mentioned means also delivering the gases to diametrically opposed portions of the nozzles to maintain balanced load conditions on the turbine wheel.

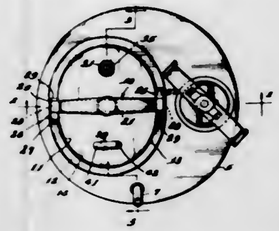
2,544,853
THROTTLE REVERSING LINKAGE
Charles E. Oates, Gardena, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application April 9, 1949, Serial No. 86,533
7 Claims. (Cl. 74—471)



1. An engine throttle control comprising a control lever, a forward driving member, a reverse driving member, said control lever and said driving members being rotatably mounted about a common axis, a rotatable driven member, means connecting said forward driving member to said driven member to rotate said driven member in the same direction as said forward driving member, means connecting said reverse driving member to said driven member to rotate said driven member in the opposite direction from said reverse driving member, one of said driving members including means defining a substantially radial recess notched inwardly toward its center, the other of said driving members including means defining an opening between the center of said other driving member and its perimeter, said opening having a substantially radial depression notched outwardly toward said perimeter, said opening being co-radial with said recess and said depression being at a greater distance from said axis than is said recess, and a movable engagement member carried by said control lever, said engagement member being connectable in driving relationship with said one driving member when moved toward said axis to engage in said recess and connectable in driving relationship with said other driving member when moved away from said axis to engage in said depression, whereby the throttle of an engine, operatively connected to said driven member, may be opened and closed by movement of said control lever on either side of a neutral position occupied by said throttle control where said depression is radially aligned with said recess.

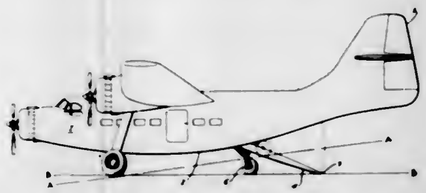
2,544,854
LOCKING AND RELEASE MECHANISM FOR PRESSURE VESSEL CLOSURES
John E. Oys and August H. Pinke, Hastings, Minn., assignors to Lowell Specialty Company, Lowell, Mich., a corporation of Michigan
Application May 13, 1948, Serial No. 26,836
5 Claims. (Cl. 220—44)

1. A closure locking and release mechanism for a pressure vessel of the character described having an access opening and a closure for such access opening arranged to close with the pressure and to open against the pressure in the vessel comprising, a handle member pivotally mounted on the exterior side of said closure on an axis substantially normal to the general plane of said exterior side, cooperative camming means carried by said handle and by said vessel at substantially opposite sides of said closure and opening whereby rotation of said handle in one direction will interengage said camming means to draw said closure toward and against said vessel



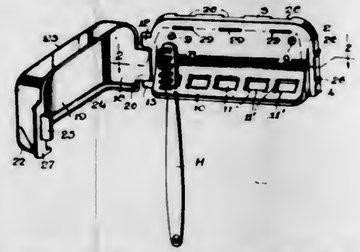
around the margins thereof defining said opening and whereby rotation in the opposite direction will release said camming means from interengagement, an inwardly opening valve mounted in said closure and having a stem projecting above the exterior side of the closure into the path of rotation of a part of said handle, said handle part being adapted to engage said stem and open said valve when said camming means are disengaged.

2,544,855
TAIL WHEEL JACK
Stanley R. Parker, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application January 18, 1949, Serial No. 71,436
4 Claims. (Cl. 244—102)



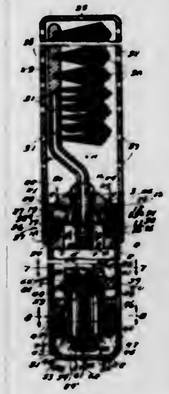
1. In an airplane having a landing gear, a tail wheel construction comprising a tail wheel, a substantially vertical tail wheel support, a pair of substantially parallel forwardly extending brackets on said support positioned one above the other, a pair of substantially parallel struts hinged at one end to said airplane, said struts being one above the other, the other ends of said struts being hinged to the respective upper and lower brackets, a shock absorber in the upper strut, a bell crank lever attached to the lower strut adjacent its airplane hinge attachment, a hydraulic cylinder and piston connected to rotate said struts in a vertical plane when energized, a valve controlling the flow of hydraulic fluid to said cylinder and piston, means in said airplane under the control of an operator for moving said valve, and means moving with said struts for preventing overtravel of said struts.

2,544,856
TOOTHBRUSH HOLDER
Maurice Perlin, Chicago, Ill.
Application July 30, 1948, Serial No. 41,680
3 Claims. (Cl. 312—207)



1. A tooth brush holder comprising a back wall, rearwardly extending flanges adapted to fit against a wall upon which the holder is supported, an apertured bottom wall projecting forwardly from said back wall, a front wall, a pair of side walls projecting rearwardly from said front wall, one of said side walls being hinged to said back wall, said front wall leaving an air space between its lower edge and the forward edge of said bottom wall when in closed position, a fin projecting rearwardly from said back wall and extending substantially across the width of said back wall, said fin being of the same depth as said flanges, and a plurality of air vents extending through said back wall above said fin.

2,544,857
PRESSURE FEED FOUNTAIN BRUSH
Ludwig F. Perwas, New York, N. Y.
Application July 28, 1945, Serial No. 607,621
8 Claims. (Cl. 15—133)

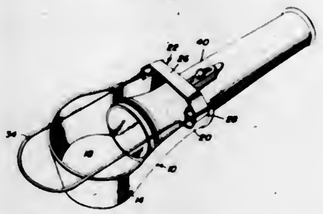


1. A fountain tooth brush dispensing means, comprising a hollow elongated body part forming a reservoir for dentifrice, a casing in the dentifrice reservoir having an inlet valve and an outlet valve, a rotatable air pressure cylinder in the casing having ports selectively registering with the valves in the casing when the cylinder is turned, a piston in the cylinder for forcing air into the dentifrice reservoir or withdrawing air from said reservoir, manually controlled intake and outlet valves in the piston, and a pressure operated valve in the reservoir and normally closing a dispensing conduit to the body part when there is no pressure in the reservoir.

2,544,858
REACTION PRODUCTS OF ESTERS OF POLYPHOSPHORIC ACIDS AND HEAVY METAL OXIDES AND METHOD OF MAKING SAME
Robert Harry Hurt, Charlottesville, Va., assignor to Virginia Polytechnic Institute, Blacksburg, Va.
No Drawing. Application June 9, 1949, Serial No. 98,175
24 Claims. (Cl. 260—430)

1. The heavy metal polyalkyl reaction product of an ester of polyphosphoric acid and an oxide of a heavy metal.

2,544,859
ILLUMINATING AND MAGNIFYING MAP HOLDER
Obert G. Quam, Marshalltown, Iowa
Application May 10, 1948, Serial No. 26,103
1 Claim. (Cl. 88—39)

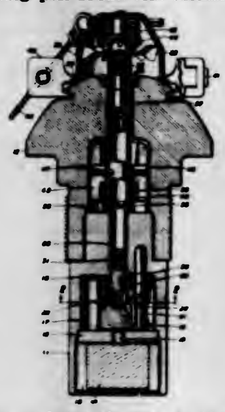


A reading device comprising a U-shaped cradle having a web portion and upstanding side walls, a U-shaped body extending outwardly from a terminal edge of said U-shaped cradle defining a prolongation thereof, the axis of said body being at substantially a right angle with respect to the axis of said cradle, the lower edge of said U-shaped body being formed with an inwardly extending flange, a U-shaped strap fixed to the opposing ends of the side walls for receiving a flash light with the lens end thereof disposed within the body, a locking member hingedly carried by the strap and lockingly engageable therewith to clamp the flash light in the cradle, a clamping member supported by the strap and engageable on one edge of the body for clamping reading matter thereon and a magnifying lens supported on said inwardly extending flange.

2,544,860
ROCKET FUSE
Volney K. Rasmussen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application August 1, 1947, Serial No. 765,413
2 Claims. (Cl. 102—81.2)

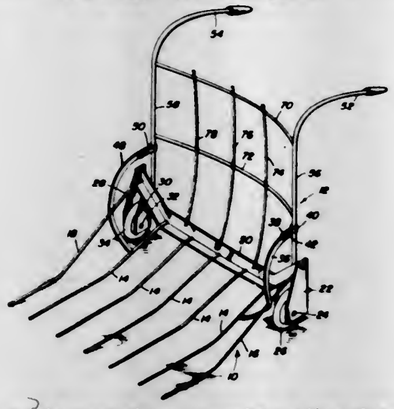
1. A fuze casing having a compartment, a shutter in the compartment having a detonator registrable with an igniter pocketed in the casing, a rotatable screw firing pin initially retracted within the casing and projected into the compartment to obstruct the shutter in a safe position, an inertia pellet having a shutter-lock pin clear of the compartment but directed toward a side of the shutter, a set of stop pins on the firing pin and pellet mutually interengaging to prevent initial rotation of the firing pin, a sustaining spring for the pellet, distancing the shutter-lock pin into clearance from the shutter but yielding upon setback of the pellet to enable the pellet to free said stop pins and project the shutter lock pin next to said shutter side to augment its obstruction.

and means for then rotating the firing pin to extract the firing pin from the chamber, confining



the obstruction of the shutter to the shutter-lock pin.

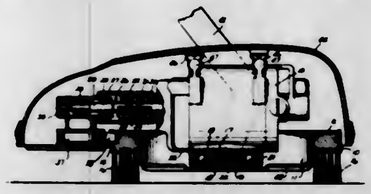
2,544,861
RAKE WITH ADJUSTABLY CONNECTED BOTTOM AND BACK PANELS
Harry F. Rath, Glen Flora, Wis.
Application September 12, 1949, Serial No. 115,218
2 Claims. (Cl. 56—400.14)



1. A rake comprising a number of tines forming a bottom panel and having a cross member connected to the rear ends thereof, wheels carried by said cross member, a plurality of connected rods forming a back panel with handles extending therefrom, means adjustably and detachably securing said bottom panel to said handles, said means including extensibly connected bars secured to some of said tines and said handles, and means located intermediate the ends of said cross member for releasably attaching said front panel to said back panel.

2,544,862
ROTARY FLOOR POLISHING MACHINE HAVING HORIZONTALLY POSITIONED MOTOR
James P. Steibel, Racine, Wis., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
Application April 24, 1946, Serial No. 664,503
11 Claims. (Cl. 15—49)

1. A rotary floor polishing machine comprising, a motor having a housing and a horizontally extending shaft, a support member journalled on said motor housing at the bottom thereof for rotation on a vertical axis, said support member having portions extending upwardly outwardly of the sides of said motor housing to a level above the bottom of said motor housing, an annular brush arranged concentrically about said axis and secured to said upwardly extending portions



above the bottom of said motor housing, said brush having bristles extending downwardly from an upper level above the bottom of said support member to a level below said motor housing and support member and outwardly of the latter, and drive means connecting said horizontal shaft and brush radially outwardly of said motor and above the said bottom of said motor housing.

2,544,863
COMPUTING LINKAGE
Antonin Svoboda, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application February 21, 1946, Serial No. 649,416
2 Claims. (Cl. 235—61)

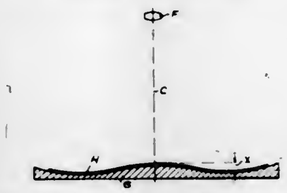


1. A linkage mechanism for computing a specific empirical function of an independent input variable ($R-K5d\overline{R}tw$), said input variable being measured in yards, and said computed result being indicated in units in accordance with said empirical function, said mechanism comprising, a planar support having first and second slots therein being positioned parallel to the longitudinal axis of said support, said first slot being uniformly calibrated in terms of yards and said second slot being uniformly calibrated in terms of said aforementioned units, first and second slide members respectively slidably mounted in said first and second slots, first and second triangular swinging members pivotally attached to said support, a first link operatively connecting a first unpivoted apex of said first triangular swinging member and said first slide member, a second link operatively connecting a second unpivoted apex of said first triangular swinging member and a first unpivoted apex of said second triangular swinging member, and a third link operatively connecting a second unpivoted apex of said second triangular swinging member and said second slide member, said links and swinging members having the following relative dimensions where the basis of comparison is taken as A, B and C, A, B and C being arbitrary scale factors:

Length of said first slot	2.110B
Calibration factor of said first slot	$\frac{5450.6}{B}$ yds./in.
Range of operation of said first slide member defined by the said length of said first slot.	500 yds. to 12,000 yds. = 11.500 yds.
Length of said second slot	1.690C
Calibration factor of said second slot	$\frac{1.0910}{C}$ units/in.
Range of operation of said second slide member defined by the said length of said second slot.	−.539 to 1.301 = 1.840 units
Length of said first triangular swinging member from the pivot point thereof to said first unpivoted apex.	2.1700B±.0005
Length of said first triangular swinging member from the pivot point thereof to said second unpivoted apex.	.690A
Angle included between lines drawn from the pivot point and the said first and second unpivoted apices of said first triangular swinging member.	19.80°±.01°
Length of said first link	11.250B
Length of said second link	1.607A
Length of said second triangular swinging member from the pivot point thereof to the said first unpivoted apex thereof.	1.195A
Length of said second triangular swinging member from the pivot point thereof to the said second unpivoted apex thereof.	1.930C
Angle included between lines drawn from the pivot point of said second triangular swinging member to the said first and second unpivoted apices thereof.	70.76°±.02°
Length of said third link	8.340C
Distance along the longitudinal axis of said support between the pivot point of said first triangular swinging member and the 500-yd. limit point of said first slot.	9.154B
Distance transversely of the longitudinal axis of said support between the pivot point of said first triangular swinging member and the axis of said first slot.	.3600B
Distance between the pivot points of said first and second triangular swinging members.	A±0.1%
Angle included between the line of centers of the pivot points of said first and second triangular swinging members and a line parallel to the longitudinal axis of said support drawn through the pivot point of said first triangular swinging member.	15.00°
Distance along the longitudinal axis of said support between the pivot point of said second triangular swinging member and the 1.301 units limit point of said second slot.	7.841C
Distance transversely of the longitudinal axis of said support between the pivot point of said second triangular swinging member and the axis of said second slot.	1.800C
Angle of rotation of the line joining the pivot point and said first unpivoted apex of said first triangular swinging member corresponding to the limits of movement of said first slide member.	81.41°
Angle included between a line parallel to the axis of said support drawn through the pivot point of said first triangular swinging member and a line defining the limit position of said first triangular swinging member corresponding to the 500-yd. limit point of said first slot.	15.20°
Angle of rotation of the line joining the pivot point and said second unpivoted apex of said second triangular swinging member corresponding to the limits of movement of said second slide member.	87.39°
Angle included between a line transversely of the axis of said support drawn through the pivot point of said second swinging member and a line defining the limit position of said second triangular swinging member corresponding to the 1.301 units limit point of said second slot.	16.24°

the aforementioned dimensions and orientation providing that the displacement of said second slide member varies in accordance with a specific empirical function of the displacement of said first slide member.

2,544,864
CAMERA HAVING CURVED FILM PLANE TO ELIMINATE DISTORTION
Percy Harry Tham and Frey Samsioe, Stockholm, Sweden
Application September 23, 1947, Serial No. 775,614
In Sweden October 5, 1946
1 Claim. (Cl. 95—11)

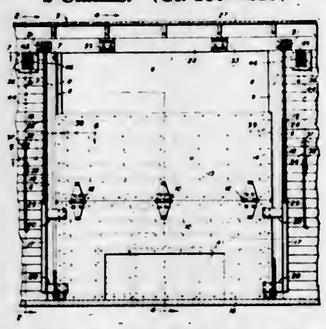


In a camera, an objective and a support plate for the light-sensitive film, the film abutting face of said support plate being shaped such that the line of intersection of the light-sensitive face of the film and a plane through the optical axis satisfies the equation

$$x = c\frac{\epsilon}{r} \text{ where } x$$

denotes the axial distance from the uncorrected plane of the image, c the camera-constant, that is, the distance between the inner projection center of the objective and the plane of the image, ϵ the radial lens distortion, and r the radial distance from the optical axis to the point of intersection of the ray of light and the uncorrected plane of the image.

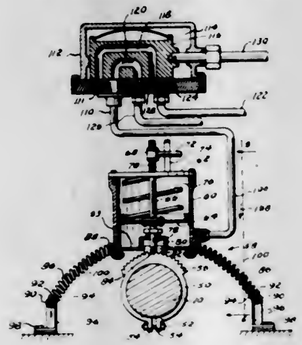
2,544,865
GRAIN DOOR
Corliss O. Thomas, Ralls, Tex.
Application May 10, 1948, Serial No. 26,141
2 Claims. (Cl. 160—210)



1. In combination with a freight car having a door opening in one side wall thereof whose height is greater than twice the distance from said side wall of the car to the longitudinal center thereof, an inside grain door for substantially closing said door opening including a lower section of nearly the same but slightly lesser vertical dimensions than said distance and an upper section of nearly the same but slightly lesser vertical dimensions than the lower section hinged to the upper edge of the latter to fold inwardly and downwardly against the inner face thereof, said door sections being wider than and extending across the sides of the doorway at the inside of the latter, hollow vertical columns rigidly attached to and spaced outwardly from the sides of the lower door section, said columns extending

from near the bottom to the top of said lower door section, telescopic hanger rods including lower sections slidable substantially wholly into the columns and upper sections slidable subwholly into the lower sections and hinged to the inside of said side wall of the car above the door opening whereby the folded door may be slid upwardly and then swung inwardly and upwardly to occupy a position beneath the roof of the car wholly between said side wall of the car and the longitudinal center thereof.

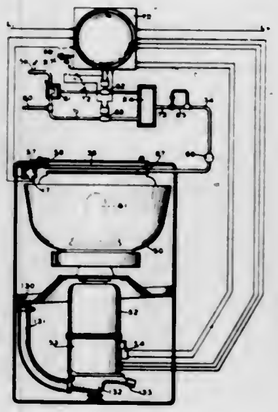
2,544,866
LOCOMOTIVE VALVE ARRESTER
Aubrie Travis, Grenada, Miss.
Application October 11, 1946, Serial No. 702,825
2 Claims. (Cl. 121—170)



1. In combination, a valve having operating linkage including a rotatable shaft having circumferential teeth, reversing means operatively connected to rotate said shaft in opposite directions into different set positions, a cylinder supported adjacent to said shaft having a piston working therein including a piston rod projecting therefrom toward said shaft, spring means normally urging said piston rod toward said shaft, a dog on said piston rod positioned for and normally urged by said spring means into engagement with said shaft teeth whereby rotation of said shaft from a selected set position is resisted, and means for supplying fluid pressure to said cylinder to move said piston in a direction to retract said dog out of engagement with said shaft teeth so as to free said shaft for resetting by said reversing means, said cylinder being positioned with its axis substantially normal to said shaft, and resilient means supporting said cylinder comprising balancing spring means at opposite sides of said shaft and engaging opposite sides of said cylinder whereby said cylinder can yield to a limited extent toward either side of said shaft against the resistance of the corresponding spring means whenever vagrant rotation of said shaft away from its set position occurs and whereby said shaft will be returned toward its set position as the force producing such vagrant rotation diminishes.

2,544,867
SAFETY SWITCH FOR COVERS OF WASHING MACHINES
Harold B. Wallis and Duane R. Neal, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 4, 1944, Serial No. 561,857
9 Claims. (Cl. 68—12)

4. A control switch means comprising: a plurality of mechanism control switches; a timer motor sequentially actuating said switches; a safety switch in series with said mechanism control switches and timer; a door; means opening said safety switch when a certain one of said mechanism control switches is actuated and said door is open and closing said safety switch when said certain one of said mechanism control switches is not actuated and said door is either open or closed



2,544,868
FORMATION OF RUBBER TREADS ON VEHICLE TIRES
Leonard Francis Wallis, Wellington, New Zealand
Application October 12, 1948, Serial No. 54,025
In New Zealand October 15, 1947
9 Claims. (Cl. 152—212)

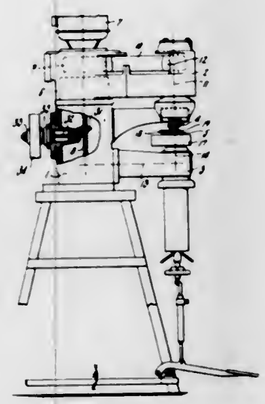


8. A double wearing tread for tires comprising a first wearing surface composed of a rubber strip having a plurality of grooves separated by lands on the inner surface thereof and a secondary wearing surface including a plurality of strips of rubber each having cords individually embedded therein and each of said reinforcing strips being secured in said grooves and being coextensive in length with the depth of said groove so that the outer surface of said reinforcing strips is flush with the inner surface of the lands between the grooves of said first strip whereby the tread can be secured to a tire and the alternating lands of said first strip and the cord reinforced strips constituting said secondary wearing surface and exposable upon the wearing away of the outer portion of said first mentioned rubber strip.

2,544,869
PREPARATION OF A SILICA-MAGNESIA CATALYST
Glenn M. Webb, Western Springs, Reno W. Moehl, Congress Park, and Maurice J. Murray, Clarendon Hills, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 25, 1947, Serial No. 763,556
9 Claims. (Cl. 252—448)

1. A method of manufacturing a silica-magnesia catalyst which comprises commingling silica hydrogel with a sufficient amount of magnesium oxide to form a final catalyst composite containing from about 20% to about 40% by weight of magnesia, said hydrogel and magnesium oxide being commingled in the presence of an added solution consisting essentially of an ammonium salt and water and having a pH below about 9 and containing from about 0.05 to about 1 mol of ammonium salt per mol of said magnesium oxide.

2,544,870
SOLE EDGE ROUGHING-UP MACHINE
Per Westberg, Orebro, Sweden, assignor to Aktiebolaget Alona, Orebro, Sweden, a joint-stock company of Sweden
Application December 15, 1947, Serial No. 791,901
In Sweden June 25, 1947
5 Claims. (Cl. 69—1)



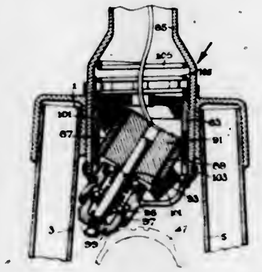
1. In a sole roughing machine having a stand carrying a rotatable roughing tool, a rotatable work table and rotatable feeding rolls for feeding a work piece to said tool; a power driven shaft journalled in said machine stand, transmission means connected to said driven shaft for driving said roughing tool, a first support for said tool positioned on said stand and arranged for swinging movement relatively to said work table and about said driven shaft, a second support for said work table and positioned on said stand and spaced from said first support, means operatively connected to said driven shaft for driving said work table and at least one of said feeding rolls, and bearing means on said stand permitting said swinging movement of said first support in a plane perpendicular to said driven shaft.

2,544,871
THREE-PHASE TRANSFORMER
David E. Wiegand, Villa Park, Ill., assignor to McGraw Electric Company, a corporation of Delaware
Application April 24, 1947, Serial No. 743,568
1 Claim. (Cl. 175—356)



A three phase transformer comprising three conducting winding assemblies, three main cores and three auxiliary cores, the three main cores being arranged in the shape of a triangle, each of the three main cores interlinking only two conducting winding assemblies, a metal tank surrounding said transformer, said conducting winding assemblies having a star connected primary and a star secondary winding, the auxiliary cores each linking a single and a different conducting winding assembly and providing independent flux paths of low reluctance and arranged to prevent the delta effect of the surrounding tank, the portions of said main cores which interlink a common winding assembly having a substantially edge-to-edge contact with each other and the auxiliary cores each having a substantially edge-to-face contact and a back-to-back contact with the adjacent main cores.

2,544,872
CYCLE AND TO ELECTRIC GENERATOR FOR USE THEREWITH
Albert Edward Wood, South Yardley, Birmingham, and Rudolf Goldschmidt, Eckington, Sheffield, England, assignors to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application April 26, 1948, Serial No. 23,318
In Great Britain May 3, 1947
4 Claims. (Cl. 171—209)



1. A tire-driven electric generator for cycles incorporated in the steering head of the ma-

chine, comprising a rotatable permanent magnet in association with a fixed armature the magnetic yoke of which comprises a tube mounted within the steering stem, and means for rotating said magnet through the road wheel tire, wherein the yoke-tube and an extension thereof constitute a casing for the generator and driving mechanism, said casing being slidably but non-rotatably mounted in the steering stem.

2,544,873
PRINTING INKS AND FILMS PRINTED THEREWITH
George M. Adams, Palos Heights, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
No Drawing. Application July 15, 1947, Serial No. 761,169
24 Claims. (Cl. 260—30.6)

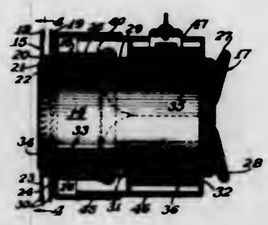
1. For printing films formed of a composition consisting essentially of a butadiene-acrylonitrile copolymer, a polymer selected from the group which consists of polyvinyl chloride, a copolymer of vinyl chloride and vinyl acetate in which the vinyl chloride is the major constituent, a copolymer of vinylidene chloride and vinyl chloride in which the vinylidene chloride is present in an amount not over 70%, and an anti-blocking agent, an ink comprising colored pigments and a vehicle consisting essentially of an alkyl phosphate of the class which consists of triethyl phosphate, tri-(n)-propyl phosphate and tri-(n)butyl phosphate, a vinyl chloride-vinyl acetate copolymer in which the vinyl chloride is the major constituent, said copolymer being soluble in said alkyl phosphate and present in an amount of from 25% to 33⅓% by weight of said alkyl phosphate, and a resinous, non-migratable plasticizer for said copolymer, said plasticizer being of low volatility, compatible with said copolymer, soluble in said alkyl phosphate and present in an amount constituting 15% to 30% by weight of the total vehicle solids, said ink being free of volatile solvents and setting by absorption of said alkyl phosphate in said film.

2,544,874
SIDE BEARING
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 19, 1946, Serial No. 684,893
13 Claims. (Cl. 267—3)



2. In a shock absorber, a base plate, fixed and movable abutments thereon, an arch spring flexed between said abutments, and a plurality of truss springs arranged in overlapping relation diagonally disposed with respect to said base plate and reacting against respective abutments along surfaces diagonally disposed with respect to said base plate.

2,544,875
COMBINATION CENTERING, FOCUSING, AND DEFLECTING DEVICE FOR BEAM OF CATHODE-RAY TUBES
Arthur James Bennett, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application April 15, 1950, Serial No. 156,225
In Great Britain March 2, 1950
2 Claims. (Cl. 313—76)



1. A unitary centering, focusing, and deflecting apparatus for a cathode ray tube comprising in combination, an elongated circular sleeve adapted to receive the neck of a cathode ray tube and having an outer annular shoulder at one end, a ray beam centering unit comprising a series of disks between which are sandwiched ray beam centering magnets, the disks being snugly but rotatably received on the sleeve and bottoming against the shoulder thereof, the disks being operable when rotated relative to the sleeve to control the position of the ray beam in relation to the center of the viewing screen, a cup member snugly received on the sleeve in abutting relation to the centering unit, a focusing unit received within the confines of the cup member and abutting the end face thereof, a deflecting unit snugly received upon and anchored to the sleeve adjacent the focusing unit, the deflecting unit having an outer sleeve in telescopic relation to the cup and a support member adapted to be received on a supporting bracket to sustain the entire unit in position.

2,544,876
INSIGNE UNIT
David H. Bowder, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application August 5, 1948, Serial No. 42,571
1 Claim. (Cl. 63—26)

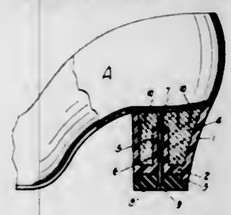


A selectively mountable unit comprising a perimeter with diametrically opposite radial openings, spaced top and bottom walls closing said perimeter, a one-piece zig zag spring lying in substantially a single plane and located between said spaced walls to be guided thereby with its ends projecting in opposite directions through said openings, said unit being adapted to be positioned into a recess with openings in its surrounding walls to receive the ends of the spring projecting through the perimeter of said unit.

2,544,877
BICHROMATE SENSITIZED PHOTOGRAPHIC MATERIALS
Robert S. Bryce, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 3, 1947, Serial No. 745,734
1 Claim. (Cl. 95—7)

A light-sensitive coating composition comprising a mixture of a bichromated gelatin, an aqueous dispersion of a water-insoluble soft synthetic resin capable of drying to a continuous film when the dispersion alone is coated on glass and said resin being selected from the group consisting of acrylate, styrene, vinyl ester and neoprene resins, a pigment and sodium hexametaphosphate.

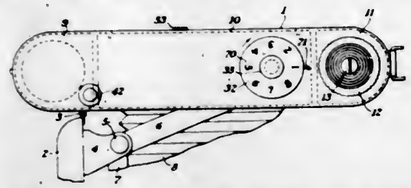
2,544,878
HEEL CONSTRUCTION
Samuel L. Dratler, Cleveland, Ohio
Application September 20, 1948, Serial No. 50,210
1 Claim. (Cl. 36—36)



In a shoe heel, in combination, a hollow body open at its upper end and having a closing bottom portion at its lower end, said bottom portion having a tubular integral extension projecting up therefrom within the hollow body portion, the said tubular extension having an interiorly threaded bore, a filler body disposed in said hollow body and having a recess to receive said extensions and having its upper surface flush with the top walls of said hollow body, said bottom portion having a downwardly extending edge flange forming a recess on its under side, a lift seated on said bottom and in said recess, a fastener attaching the lift to the center portion of the bottom portion and having threads to engage the threaded bore of said tubular extension, and a fastener attaching the filler body to the hollow body and having threads to interengage the threaded bore of the tubular extension.

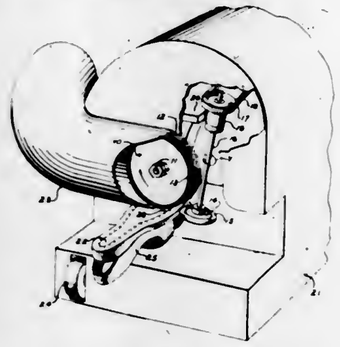
2,544,879
FILM METERING DOUBLE EXPOSURE PREVENTION CAMERA
Douglass C. Harvey and Edgar S. Marvin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 18, 1947, Serial No. 774,864
9 Claims. (Cl. 95—31)

1. In a roll-holding camera of the type including a camera body, an exposure frame, film spool chambers and means for winding film from one spool to another across the exposure frame for exposure, the combination with said film wind, of a film-measuring roller at one end of the exposure frame over which a film passes, said roller being turned by the film, a driving pawl eccentrically carried by the roller, a rotatable shaft carried by the camera a ratchet wheel mounted on the shaft to turn therewith, said ratchet wheel being engaged by the driving pawl for moving the ratchet wheel by the pawl when film is moved, a dial carried by the shaft and movable with the ratchet wheel and bearing exposure numbers, the teeth of the ratchet wheel, stroke of the pawl, and diameter of the film roller being selected to advance the dial one number for each fresh exposure area of film wound over the roller, a second holding pawl for preventing the ratchet wheel from moving in



one direction, the ratchet wheel including an area in which there are no teeth, whereby said driving pawl may move idly without actuating the ratchet wheel when the ratchet wheel is moved to present the toothless area to the driving pawl, a notched stop disk connected to and movable with the ratchet wheel, a ratchet wheel on the film wind, a stop lever pivotally mounted on the camera and engaging the stop disk and when engaging a notch thereof to also engage the ratchet wheel on the film wind to stop movement thereof, and means for releasing the stop lever.

2,544,880
ROUGHING GUIDE DEVICE
Robert James Hindle and Joseph Domenic Carrier, Toronto, Ontario, Canada
Application March 21, 1950, Serial No. 150,956
2 Claims. (Cl. 69—1)



1. In a roughing machine for roughing shoe bottoms, the combination of, a roughing wheel having roughing means thereon, a guide wheel, means mounting said guide wheel to align its plane of rotation substantially tangential to the circumferential line of the roughing means on the roughing wheel, and means for rotating said roughing wheel in a direction tending to urge the shoe bottom away from the guide wheel when the edge of the shoe bottom is engaged against the circumference of the guide wheel by an operator.

2,544,881

PREPARATION OF ANHYDROUS SODIUM BETA-NAPHTHOLATE AND CARBONATION THEREOF

Frank J. Hodges, Penns Grove, N. J., and Martin L. Nadler, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 13, 1949, Serial No. 115,548
3 Claims. (Cl. 260—520)

1. The process of producing anhydrous sodium-betanaphtholate formed by the reaction of beta-naphthol and aqueous caustic soda comprising gradually heating such reaction product in an inert atmosphere to a temperature of from 307° C. to 370° C. and maintaining the product in a molten state while reducing the pressure at least below the equilibrium vapor pressure until water ceases to be expelled from the molten mass.

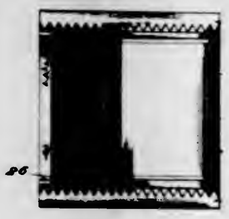
3. The process for producing 2-hydroxy-3-naphthoic acid from sodium-betanaphtholate which comprises gradually heating the sodium-betanaphtholate in an inert atmosphere to temperatures of from 307° to 370° C., maintaining the product in the molten state while reducing the pressure to at least below the equilibrium vapor pressure until water ceases to be expelled from the molten mass, transferring the anhydrous sodium-betanaphtholate while in the molten state to a carbonator, and reacting the same with CO_2 at temperatures of approximately 235° C. to produce 2-hydroxy-3-naphthoic acid.

2,544,882

LOOM REED

Arno Hornig, Pawtucket, R. I., assignor to Excelsior Loom Reed Works, Inc., a corporation of Rhode Island

Application February 12, 1947, Serial No. 728,177
4 Claims. (Cl. 139—192)



1. A loom reed comprising metal dents, means adjacent the ends of the dents for holding the dents in spaced relation, and solder of a material softer than said dents located between said dents inwardly from any spacing and holding means.

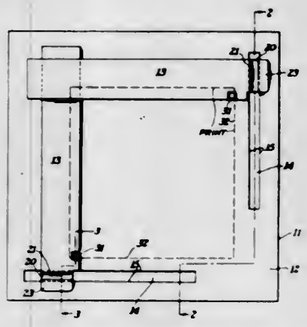
2,544,883

ATTACHING MEANS FOR MASKING STRIPS

Joseph Isaac and Arthur C. Rissberger, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 28, 1948, Serial No. 46,672
12 Claims. (Cl. 88—24)

1. In a photographic printing apparatus, the combination with a printing surface formed with a slot, of a masking strip slidably positioned on said surface, and a bowed resilient section formed on said strip and extending through said slot, said section having a portion of minimum width which prior to insertion in said slot is greater than the normal width of said slot so that said portion when positioned in said slot will engage



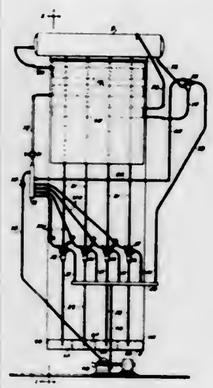
the edges of said slot yieldably to connect said strip detachably to said apparatus and to position said strip in a definite angular relation to said slot.

2,544,884

STEAM GENERATOR

George P. Jackson, Flushing, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware

Application August 16, 1944, Serial No. 549,719
2 Claims. (Cl. 122—411)



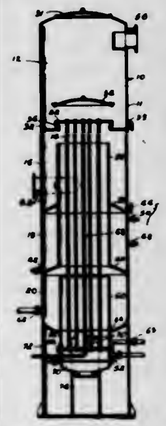
1. In a high capacity steam generating unit, the combination of a natural circulation boiler of the type in which the steam is generated at least in major part in a multiplicity of generally vertical boiler tubes subject to radiant heat and which has a steam and water drum; said boiler operating at a pressure of about 900 lbs. p. s. i., and upward, but short of critical pressure, a downcomer leading from the drum, a pump for augmenting natural circulation located in said downcomer, a water turbine for driving said circulation pump during steam generation, a feed water pump operating at a pressure exceeding the sum of the boiler pressure and the pressure drop through the turbine, a first line for delivering feed water from the feed water pump to the turbine inlet, and a second line for delivering feed water from the turbine outlet to the boiler at a rate equal to the rate of steam generation.

2,544,885

VERTICAL TUBE EVAPORATOR

Harold E. Jacoby, Brooklyn, and Charles P. Nilan, Point Lookout, N. Y., assignors to General American Transportation Corporation, Chicago, Ill., a corporation of New York

Application February 27, 1946, Serial No. 650,468
6 Claims. (Cl. 159—27)



1. A unitary evaporator body adapted to be used in a multiple effect evaporating system for evaporating one or more components of a solution, said evaporator body comprising upper and lower spaced tube sheets, a plurality of tubes mounted at their ends in said tube sheets to form a tube bundle, a casing substantially enclosing said tube bundle, said casing extending substantially above said upper tube sheet and having a closed upper end that defines with the upper portion of the casing and the upper tube sheet a vapor separator chamber, cylindrical wall means surrounding said tube bundle and positioned close thereto, an annular partition extending from said wall means to said casing and defining with said wall means and casing an annular entrainment separator chamber surrounding said tube bundle, said separator chamber being open at its top to communicate with the tubes of said tube bundle, a tangential inlet connection formed in that portion of the casing that constitutes the outer wall of said annular chamber and through which a fluid mixture may be tangentially introduced into said chamber for separation, and an outlet connection formed in said casing near the bottom of said chamber for removal of separated liquid from said separator chamber and evaporator body, the diameter of the portion of said casing that partially defines said annular chamber being sufficiently greater than the diameter of said wall means to provide an efficient separating space in said separator chamber.

2,544,886

GARMENT HANGER

Earl T. Kuhn, Pittsburgh, Pa.

Application January 9, 1948, Serial No. 1,343
2 Claims. (Cl. 223—88)

1. A hanger comprising a unitary continuous trouser-supporting spreader provided with hooked ends for engaging the leg ends of the trousers, a plurality of hooks secured in spaced relation to said spreader for retaining body protectors, a continuous hanger bar for receiving a jersey laterally spaced from said spreader, a spacer plate having its ends rigidly attached to the hanger bar and the spreader and by means of which the hanger bar and the spreader are



spaced from one another, and a supporting hook secured to said spacer plate.

2,544,887

MANUFACTURE OF WATERPROOF PAPER

Arthur G. Leonard, Jr., Wilmington, Ill.

No Drawing. Application May 18, 1946, Serial No. 670,836
2 Claims. (Cl. 92—21)

1. The method of manufacturing impregnated cellulose wadding consisting of the steps of mixing in a paper beater a quantity of cellulose fibres, about seven percent of their weight of Vinsol-type resin, about six per cent of their weight of asphalt emulsion to prevent gumming up or sticking in running the paper, and sufficient clay to prevent absorption of the asphalt in the blanket of the paper machine, forming a paper web from the mixture in a thickness of approximately .0025 inch, running the paper over a drier which dries the paper and heats it to approximately 290° F. and maintaining said contact for a sufficient time to melt the Vinsol throughout the paper to cause the Vinsol to flow over and coat the individual cellulose fibres.

2,544,888

PRODUCTION OF A SULFUR DYE

John T. Linster, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 25, 1948, Serial No. 10,929
10 Claims. (Cl. 260—133)

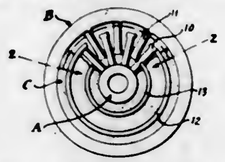
1. The process for manufacturing a green sulfur dye comprising sulfurizing, in the presence of a composition of the group consisting of 2-methoxyethanol, 2-ethoxyethanol and 2-butoxyethanol, the leucoindophenol obtained by co-oxidizing a salt of 1-N-phenylnaphthylamine-8-sulfonic acid and 4-aminophenol and reducing the product, and subsequently treating the sulfurized leucoindophenol with an alkali metal cyanide.

2,544,889

BLADE FOR RESILIENT WHEELS

James Matthew MacLean, Detroit, Mich.

Application February 5, 1947, Serial No. 726,643
6 Claims. (Cl. 295—11)



1. A resilient wheel comprised of two main structural components in the form of a rim element and a hub element operatively arranged in concentric relation to one another and having

load supporting means in connection with each of said elements, and a filling material having resilient characteristics disposed between said elements and in contact with said load supporting means; surfaces on said load supporting means disposed to resist side thrust deflection of one element relative to the other element under side thrust load conditions, said surfaces being inclined relative to the axis of rotation of said wheel.

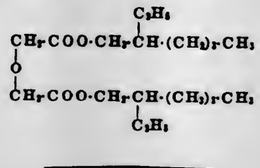
2,544,890

DI-2-ETHYL-HEXYL DIGLYCOLLATE

Edward M. McMahon, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 7, 1948, Serial No. 25,795
1 Claim. (Cl. 260—484)

Di-2-ethyl-hexyl diglycollate, having the structure represented by the formula:



2,544,891

CELLULOSE ORGANIC ACID ESTER PLASTICS CONTAINING PARAMETHOXYPHENYL PARA-ANISATE

Lester W. A. Meyer and William M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 20, 1946, Serial No. 717,600
3 Claims. (Cl. 106—179)

1. A cellulose organic acid ester plastic comprising a cellulose organic acid ester selected from the group consisting of cellulose acetate, cellulose propionate, cellulose butyrate, cellulose acetate-propionate and cellulose acetate-butyrate, a plasticizer therefor, and, as an agent for inhibiting deterioration of the plastic by ultraviolet light, approximately 0.5%–1%, based on the weight of the cellulose ester, of p-methoxyphenyl p-anisate.

2,544,892

PRINTING VAT DYES ON POLYACRYLONITRILE FABRICS USING POTASSIUM THIOCYANATE

Charles Franklin Miller, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 21, 1948, Serial No. 10,201
1 Claim. (Cl. 8—70)

A process for obtaining vat color prints of brilliance and strength on textile fabrics made of acrylonitrile polymer containing at least 85% of polymerized acrylonitrile without affecting the handle of the fabric which comprises printing on said polyacrylonitrile textile fabric with a composition consisting essentially of a vat dyestuff, 15% to 25% of potassium thiocyanate and 60% to 65% of a thickener consisting of potassium carbonate and sodium sulfoxylate formaldehyde incorporated in an aqueous paste of a gum thickening agent, then drying the print, aging the print for a few minutes by steaming, exposing the print to a dilute solution of an oxidizing agent at an elevated temperature for a few minutes, and then rinsing and soaping the printed fabric at an elevated temperature with dilute soap solution to produce the finished print.

2,544,893

CUFF LINK WITH MOVABLE HEAD

Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island

Application December 30, 1947, Serial No. 794,653
1 Claim. (Cl. 24—97)



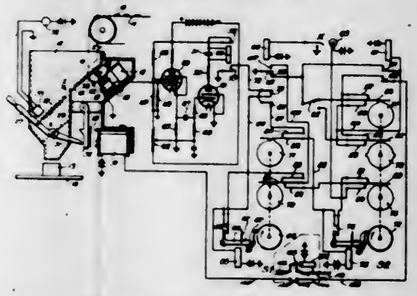
In a cuff link, a body having a pair of arms, an elongated head, pivotal means to mount said head between said arms, means to retain said head in alignment with said arms, a second head and means to pivotally mount said second head on said body at right angles to a plane passing through the middle of the arms and the pivotal axis of the first head.

2,544,894

COUNTING APPARATUS

Martin L. Nelson, Park Ridge, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois

Original application June 9, 1943, Serial No. 490,133. Divided and this application May 2, 1946, Serial No. 666,582
11 Claims. (Cl. 235—132)



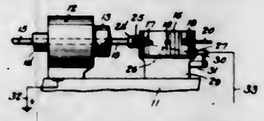
1. In a counting device, a counting switch responsive to individual impulses to be counted, a second counting switch of higher numerical order, means controlled by said first switch for causing said second switch to count said impulses by groups, a control circuit adapted to be closed at one point by said second switch in a particular position thereof, a control relay energized responsive to the advance of said second switch from said position to close said circuit at another point after the circuit is opened at the first point, and a locking circuit for maintaining said relay energized, whereby said circuit is completed the next time said second switch reaches said position.

2,544,895

SYSTEM AND APPARATUS FOR CONTROLLING AND COUNTING THE OUTPUT OF SCREW MACHINES

Martin L. Nelson, Park Ridge, Ill., assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois

Application June 18, 1947, Serial No. 755,524
3 Claims. (Cl. 235—92)



1. In combination with a machine tool having a tool holder adapted to be selectively positioned with respect to stock advanced into work position relative thereto, means for placing a potential on said stock, a contact device carried by said tool holder, said contact device including a movable stop member for resilient engagement with said stock in predetermined initial position of said tool holder, contact means operatively actuated by said movable stop responsive to engagement thereof by said stock, a pickup contact device connected with said contact means for receiving an electrical impulse therefrom responsive to operative actuation thereof by said movable stop when said stop is engaged by said stock, an impulse conductor extending from said pickup contact device, control circuit means connected with said impulse conductor to receive successive electrical impulses therefrom, said control circuit means comprising a first slow-to-release relay, a counter, means for transmitting said impulses delivered by said impulse conductor to said first relay, means controlled by said first relay for actuating said counter responsive to each impulse received by said first relay, a second slow-to-energize and slow-to-release relay, means controlled by said first relay for energizing said second relay, and means controlled by said second relay for releasing said first relay.

2,544,896

CHAIR FOR CHILDREN

Nathan Nidetch and Harold Mandel, Brooklyn, N. Y., assignors, by direct and mesne assignments, to Starrel Company, Inc., Brooklyn, N. Y., a corporation of New York

Application March 19, 1947, Serial No. 735,561
2 Claims. (Cl. 155—131)



1. An auxiliary chair, adapted to be placed on an adult's chair to permit a young child to sit at a table, said auxiliary chair consisting of a seat having a flat friction pad providing the entire lower surface of the seat, a back extending upwardly from said seat when in use and a pair of arms, connected to an intermediate portion of the back and having upper portions in the same plane, and each arm having a portion extending from the seat to the forward part of the first-mentioned portion of the arm.

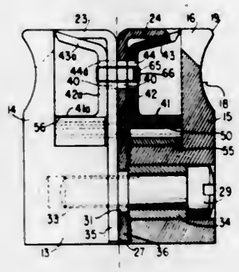
2. An auxiliary chair of the type called for in claim 1, in which the pad has a substantially straight rear edge and substantially straight side edges and the rectilinear distance from said rear edge to the front extremities of the arms and the rectilinear distances from either side edge of the pad to the upper surface of the arm on the opposite side of the auxiliary chair are such that when the latter is in normal use, with the arms disposed beneath a table top, a tipping movement of the auxiliary chair would bring an arm into contact with the table before overbalancing of the auxiliary chair could take place.

2,544,897

SHAVING DEVICE

Eric N. Nordhem, Chicago, Ill., assignor of one-half to Hans Lanzl, Highland Park, Ill.

Application February 26, 1946, Serial No. 650,218
9 Claims. (Cl. 30—43)

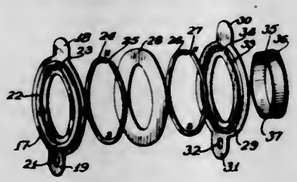


2. In a shaving device, a cutter mechanism comprising a pair of elongated angular substantially L-shaped members each forming a mounting leg and a cutter leg, means for joining said mounting legs to form a generally T-shaped member with the joined mounting legs thereof forming a mounting element from one end of which project the cutter legs transversely outwardly thereof and perpendicular thereto, teeth formed in the free edges of said cutter legs, said toothed cutter legs constituting stationary cutters, a pair of elongated angular companion members, each companion member forming a mounting portion for engagement with one side of the mounting element of said T-shaped member and also forming a toothed cutter portion extending angularly outwardly at an angle to its mounting portion, said toothed cutter portions of said companion members constituting movable cutters for coaction with said stationary cutters, means for exerting pressure on the mounting portions of said companion members transversely thereof for resiliently retaining such mounting portions in engagement with said mounting element of said T-shaped member and slidable relative thereto to position said movable cutters for coaction relative to said stationary cutters, and means for exerting pressure on the mounting portions of said companion members in a direction perpendicular to the planes of the mounting portions thereof for retaining the teeth of the movable cutters resiliently in engagement with the teeth of the stationary cutters.

2,544,898
CENTERING DEVICE FOR BEAMS OF CATHODE-RAY TUBES

Thedore Obszarny and John Schmidt, Chicago, Ill., assignors to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application December 31, 1949, Serial No. 136,294
6 Claims. (Cl. 313—75)



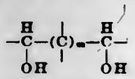
1. A centering device for the ray beam of a cathode ray tube comprising three aligned annular disks adapted to receive the neck of a cathode ray tube and a pair of split magnet rings defining diametrically opposed poles sandwiched between adjacent disks, the central disk defining annular bearing surfaces on its opposite sides for the magnet rings and the outermost disks each having embossed portions receiving the respective magnets to sustain the same in position and control the positions of rotation thereof.

2,544,899
METHOD FOR MAKING CYCLIC ETHERS

Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 1, 1949, Serial No. 96,620
18 Claims. (Cl. 260—333)

1. A process for preparing cyclic ethers comprising heating together an aliphatic glycol containing the group



wherein m represents a positive integer from 2 to 3, and a sulfonyl halide selected from those represented by the general formula:

$$R_2—SO_2—X$$

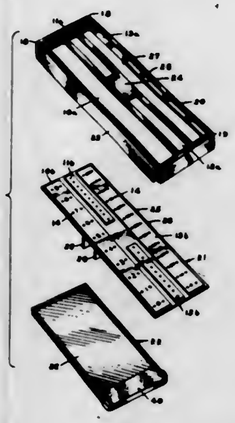
wherein R_2 represents a member selected from the group consisting of an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer from 1 to 4, an aryl group of the benzene series and an aryl group of the naphthalene series and X represents a member selected from the group consisting of a chlorine atom and a bromine atom, in the presence of a tertiary amine selected from the group consisting of those of the pyridine series and those of the quinoline series, and separating the cyclic ether formed from the reaction mixture.

2,544,900
COUNTING DEVICE

David S. Saqui, Detroit, Mich.

Application August 20, 1946, Serial No. 691,765
5 Claims. (Cl. 273—148)

3. A score keeping device including a one piece box-like frame molded from a plastic material and having an open bottom and a closed top having a plurality of apertures, a one-piece insert molded from a plastic material of a different color than said frame and comprising on its upper surface a plurality of raised portions corresponding to said apertures and at least one rib on its lower surface, said insert being insertable into said frame from the inside thereof to have said raised portions fit into and to close said apertures thus providing score-keeping faces, said raised

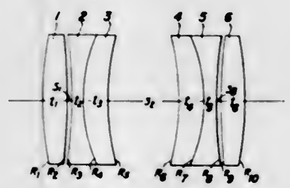


portions having a plurality of peg-receiving and numeral identified holes thereon, said rib being adapted to form a partition in said frame, and a slide engaging the lower edges of said frame and adapted to close and to open selectively at least one of the compartments formed by said rib within said frame.

2,544,901
APOCHROMATIC PROCESS LENS

Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 6, 1949, Serial No. 109,013
7 Claims. (Cl. 88—57)



1. A photographic objective consisting of two simple convergent components and two compound biconcave components axially aligned therebetween and separated by a central airspace, in which each convergent component has a refractive index between 1.67 and 1.78, a V-value V_I between 44 and 62, a dioptric power between 3.2D and 5.0D where D is the power of the objective as a whole, and has its more strongly curved surface to the outside, and in which each biconcave component has a power between −2.8D and −5.0D and includes a dispersive element with refractive index and V-value V_a lower than that of the adjacent convergent component and partial dispersion ratio P_a defined as $(N_g—N_F)/(N_F—N_C)$ such that $(P_a+.00169\ V_a)$ is less than 0.636 and cemented thereto a convergent element with refractive index between 1.5 and 1.7, with V-value V_b such that

$$2.08\ V_a<(V_I+V_b)<2.80\ V_a$$

and with partial dispersion ratio P_b such that $(P_b+.00169\ V_b)$ is 0.644 or greater, the over-all length of the objective being between 0.1 F and 0.2 F where F is the focal length of the objective and where N_g, N_F, and N_C are the refractive indices for the g, F, and C lines of the spectrum respectively.

2,544,902
PREPARATION OF SOLUBLE NITROCELLULOSE HAVING CARBOXYL GROUPS IN THE PRIMARY POSITION

William E. Sillick, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 10, 1948, Serial No. 20,354
5 Claims. (Cl. 260—220)

3. A method of preparing an acetone-soluble cellulose derivative which comprises nitrating cellulose having a carboxyl content of .05% to 6% on the primary groups of the cellulose with a nitrating bath essentially consisting of a mixture of HNO_3 and H_2SO_4, of 80–98% strength, each acid constituting 40–60% of the total acid present, so as to impart a nitrogen content of 10.5–12.2% thereto an acetone-insoluble and alkali-insoluble product resulting and subsequently soaking the product so obtained in dilute aqueous sodium hydroxide having a concentration of .01–0.4% until a substantially completely acetone-soluble product is obtained.

2,544,903
PHOTOSENSITIVE COATING CONTAINING DYES

Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 3, 1947, Serial No. 745,736
3 Claims. (Cl. 95—5.6)

1. The method of making a colored photographic image which comprises coating a support with a bichromated hydrophilic colloid, an aqueous dispersion of a synthetic resin of the group consisting of polymethyl acrylate and polyethyl acrylate and mixtures thereof and a water-insoluble azo dye of the general formula:

$$R—N=N—R'—X$$

where R is an aryl radical of the benzene series, R′ is an arylene radical of the benzene series, X is selected from the class consisting of hydroxyl and amino, drying said coating, exposing said coating to an image, and washing away the exposed parts of said coating to leave said coating containing said azo dye in the unexposed portions.

2,544,904
PYRIDINE COMPOUNDS AND METHOD FOR THEIR PRODUCTION

Norbert Steiger, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

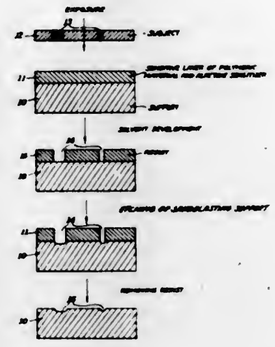
No Drawing. Application October 1, 1946, Serial No. 700,377
12 Claims. (Cl. 260—270)

10. A compound selected from the group consisting of 3-pyridine-thiol, the hydrochloride of 3-pyridine-thiol, and metal mercaptides of 3-pyridine-thiol.

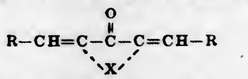
2,544,905
METHOD OF MAKING PHOTOGRAPHIC RELIEF IMAGES

Werter P. Van Deusen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 23, 1948, Serial No. 56,174
8 Claims. (Cl. 95—5.7)



1. The method of making a photographic relief image which comprises coating a support with a layer of a mixture of a polymeric material selected from a group consisting of cellulose ethyl ether and acrylate resins, and a light-sensitive alketone compound having the general formula:



where R represents a member selected from a group consisting of furfuryl, styryl and an aryl group of the benzene series, X represents the atoms necessary to complete a cyclic ring of from five to six carbon atoms, forming a relief image in said layer by exposure to an image and washing away the unexposed area of said layer with a solvent for only said area.

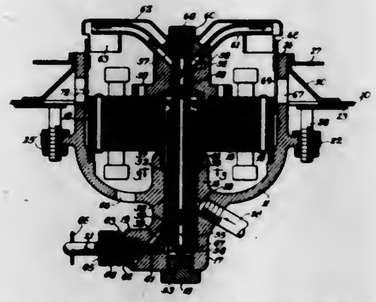
2,544,906
POLYVINYL AZINE SOUND TRACK COATING

Thomas Gentry Veal and George P. Waugh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 16, 1947, Serial No. 769,077
2 Claims. (Cl. 95—2)

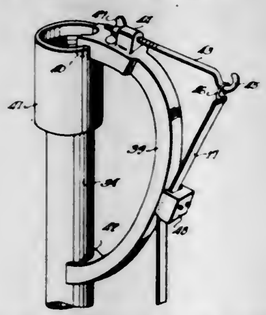
1. The method of forming a sound track in a multi-layer photographic film having a plurality of silver halide emulsion layers sensitive to different spectral regions, with sound and picture areas, which comprises exposing said film in both the sound track and picture areas, developing a silver sound track in the sound area of said film and negative silver picture images in the picture area of said film, varnishing only the sound track area with a polymerized vinyl azine, processing the film to form positive dye images by color development in the picture area of said film and removing developed silver from said picture area without affecting the negative silver sound image, and then removing the varnish from the sound track area in an acid solution and fixing both areas of said film.

2,544,907
PUMP ASSEMBLY FOR LIQUID FUEL BURNERS
John A. Wilson, Columbus, Ohio, assignor to The Lennox Furnace Co., Marshalltown, Iowa, a corporation of Iowa
Application August 20, 1947, Serial No. 769,635
9 Claims. (Cl. 103—88)



1. A liquid fuel pumping and projecting device comprising a vertical shaft, means for conveying fuel to an intermediate portion of the exterior of said shaft, bearing means for said shaft, a screw threaded portion on the exterior of said shaft arranged to pump fuel supplied thereto downwardly, an axial passage formed in said shaft adapted to convey fuel upwardly, means affording communication between the bottom of the screw and the bottom of said axial passage, means for metering the fuel disposed between the bottom of the screw and said axial passage, fuel distributing tubes in communication with said axial passage adjacent the top thereof and motor means for rotating said shaft and fuel distributing tubes.

2,544,908
MEASURING TAPE DISPENSER AND ANCHOR
William B. Winston, Odessa, Tex.
Application April 12, 1948, Serial No. 20,517
4 Claims. (Cl. 33—138)

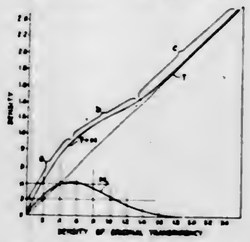


2. Apparatus for measuring well pipe in a derrick during its removal from and replacement in a well, comprising a tape reel and a case therefor, a base adapted to be mounted on the floor of said derrick, means connecting said case to said base for rotation on an axis perpendicular to the latter for orientation with respect to the well pipe, a shaft on said connecting means for rotatably supporting said case, a tape on said tape reel and emerging through a slot in said case, a spring connected at one end to said reel and at its opposite end to said shaft for resisting rotation of said tape reel and for restoring said tape on said reel, an arcuated tape anchor arm adapted to be removably attached to the top of a length of well pipe, a rod adjustable longitudinally on the upper end of said anchor arm, a hook on the outer end of said rod to which is connected the upper end of said tape, a guide block on said arcuate arm for holding said tape in outwardly spaced relation to said pipe below said anchor and means for securing said shaft against rotation during the operation of measuring said pipe.

2,544,909
METHOD FOR DEAERATING INDIGO PASTE
Walter Herbert Wright, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1949, Serial No. 95,371
6 Claims. (Cl. 8—38)

1. A process for removing air from indigo paste which comprises thinning an indigo paste which contains occluded air with a small amount of a non-foaming dispersing agent and then subjecting the thinned paste to a reduced absolute pressure of not over 50 mm. of mercury in the form of a moving film until essentially all of the air is removed from the paste.

2,544,910
TONE CONTROL IN PHOTOGRAPHY
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 9, 1947, Serial No. 778,826
4 Claims. (Cl. 95—88)



1. The method of making a negative photographic image having increased shadow and highlight contrast which comprises exposing to an image a silver halide emulsion layer giving a contrast of from 3 to 15 when developed to less than one-fifth its maximum speed in a developer having the composition:

	Grams
Hydroquinone	22.5
Sodium sulfite	30
Potassium metabisulfite	2.6
Boric acid	7.5
Potassium bromide	1.6
Paraformaldehyde	7.5

Water to 1 liter.

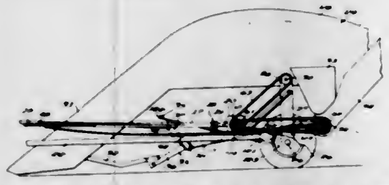
whose action has been retarded by the addition of one part of the following restrainer to two parts of said developer:

Sodium sulfate (dessicated)	grams	180
Potassium bromide	do	10
Acetic acid (28% solution)	cc	32

Water to 1 liter.

developing said emulsion to a contrast of from 3 to 15 at less than one-fifth the maximum speed of said emulsion, and without fogging residual silver halide developing said emulsion in a second developer giving an emulsion speed of from 5 to 100 times that of said first-mentioned developer and a maximum density between 0.5 and 2.0.

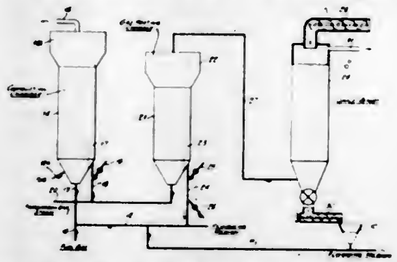
2,544,911
CONTROL FOR AGRICULTURAL FIELD HARVESTING IMPLEMENTS
John L. Aasland, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 27, 1947, Serial No. 737,679
4 Claims. (Cl. 56—10)



1. In a field harvesting machine including a supporting frame, one portion of said machine having vertically adjustable means to harvest field crops and another portion of said machine having conveyor means on the supporting frame to discharge harvested crops, means for driving said conveyor means, a spring-held clutch in said driving means, a first bell crank pivotally mounted on said supporting frame and having one arm thereof arranged and constructed to raise and lower said harvester portion, a second bell crank pivotally mounted on said supporting frame having one arm thereof arranged and constructed to disengage the spring-held clutch in said conveyor driving means, a lever hingedly mounted on said supporting frame, connecting rods joining said lever and the other arms of each of said pivotally mounted bell cranks and said connecting rods constructed and arranged to effect rotation of said bell cranks through a certain direction of rotation upon swinging of said lever through a predetermined direction, a latch arranged and constructed to hold said second bell crank immovable upon its attainment of a predetermined position, and said lever arranged and constructed to rotate only the first of said bell cranks in the opposite direction upon swinging movement of said lever in an opposite direction, and means for causing rotation of the second of said bell cranks in the opposite direction.

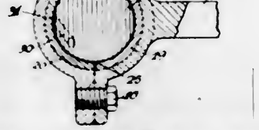
2,544,912
SHALE DISTILLATION WITH FLUIDIZED RESIDUE TREATMENT
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 29, 1946, Serial No. 673,141
3 Claims. (Cl. 202—15)

1. The method of distilling oil shales that comprises charging lump shale to a distilling zone, introducing gas heated as hereinafter specified to the distilling zone to effect destructive distillation of the shale and produce resultant disintegration thereof with formation of comminuted residual shale, withdrawing comminuted residual shale containing carbonaceous material from the distilling zone and fluidizing it in a fluidizing medium, transporting the comminuted residual shale in suspension in the fluidizing medium to a combustion zone, subjecting the fluidized comminuted residual shale therein to combustion under fluidized conditions, separately withdrawing resultant highly heated comminuted burned shale from the combustion zone, fluidizing it with gas and passing the fluidized stream into a zone wherein the gas and comminuted shale are in contact in dense phase and



turbulent conditions to effect rapid transfer of heat from the shale particles to the gas, separately withdrawing resultant heated gases and comminuted material from said zone and introducing the separated gas into the distilling zone to effect the destructive distillation of the lump shale as aforesaid.

2,544,913
GRIT FLUSHING BEARING CONSTRUCTION
Paul T. Brantingham, Glen Ellyn, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 3, 1946, Serial No. 688,207
8 Claims. (Cl. 308—122)

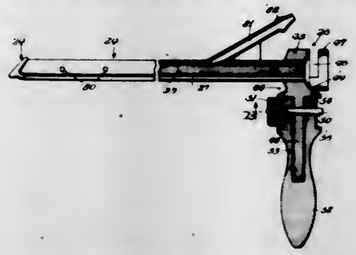


1. A bearing comprising a pair of semi-circular back portions connected together for rotation about a shaft, a sleeve element cooperating with said back portions to provide a bearing surface, a pair of depressions formed in the bearing surface of said sleeve element to provide grit-collecting sumps, a groove formed in said bearing surface and communicating with said sumps, said groove providing means for channeling collected foreign-matter to said sumps, means for supplying oil under pressure to said groove, and a pair of oil discharge outlets axially formed at the parting line of said back portions, said discharge outlets being in direct communication with said sumps and the outer portion of said bearing and being arranged and constructed to provide for the unrestricted immediate flushing of grit from the sumps of said bearing to the outer surface thereof and of metered cross-sectional dimension to substantially maintain the oil pressure to said bearing.

2,544,914
INSPECTION DEVICE
William J. Cameron, Chicago, Ill.
Application July 18, 1945, Serial No. 605,667
8 Claims. (Cl. 128—4)

1. An instrument for cavity inspection embodying a viewing tube forming a viewing chan-

nel and having a distal and an ocular end, said tube having means forming a duct in the walls thereof from the ocular to the distal end of the tube, said duct having a lateral opening communicating with the tube at the distal end thereof, said duct opening axially at the ocular end of the tube whereby to receive and support a lamp mounting stem in said duct in position presenting a lamp in said lateral opening at the distal



end of the tube, said mounting stem having an offset latching end adapted to project from said duct, at the ocular end of the tube, bracket means at the ocular end of said tube forming a pair of oppositely opening circumferential slots for latchingly receiving the projecting end of said mounting stem upon rotation of said stem in either direction in mounted position in said duct, said bracket means forming a clamp for detachably receiving a handle to facilitate the manipulation of the instrument.

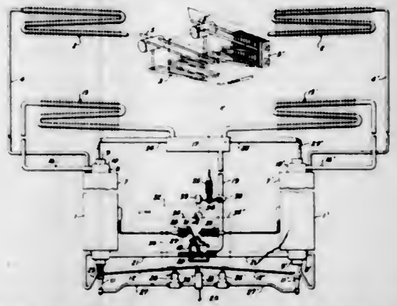
2,544,915
METHOD OF MAKING VIEWING TUBES
William J. Cameron, Chicago, Ill.
Original application July 18, 1945, Serial No. 605,667. Divided and this application October 19, 1946. Serial No. 704,385
2 Claims. (Cl. 29—156)



1. The method of making a viewing tube having non-reflecting internal surfaces, which comprises roughening the surface of a strip of tube-forming material, while flat, similarly roughening the outer surface of a pre-formed pipe element, in a zone longitudinally thereof, and then bending the strip to tubular form and securing the opposed lateral edges thereof upon and along said pipe element on opposite sides of the roughened zone thereof to form a viewing tube having reflection suppressing, inwardly facing surfaces, comprising the roughened surfaces of said strip and of said pipe element.

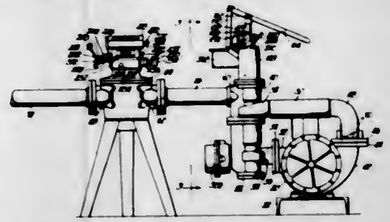
2,544,916
CONTROLLED ABSORBER COOLER IN REFRIGERATOR
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,511
17 Claims. (Cl. 62—5)

1. In a refrigerating apparatus a generator-absorber, a cooling system for said generator-absorber having a heat absorbing part in heat exchange relation with said generator-absorber and a heat rejecting part, means connecting said heat rejecting and heat absorbing parts for circulation of cooling fluid therebetween, a vapor lift pump connected to receive cooling liquid from said heat absorbing part and to pump cooling medium from said heat absorbing part to another part of said cooling system, means for



heating said generator-absorber and said pump, and means for simultaneously energizing said heating means and for preventing flow of cooling medium from said another part of said cooling system into said heat absorbing part.

2,544,917
AIRPORT FUELING APPARATUS
J. Gordon Dahlem, Fort Wayne, Ind., assignor to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application December 31, 1947, Serial No. 795,076
10 Claims. (Cl. 222—23)

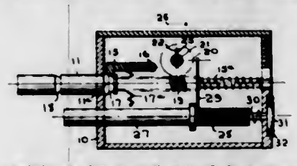


1. In liquid dispensing apparatus, the combination of a liquid flow line, liquid forcing means for forcing liquid through said line, delivery means for dispensing liquid from the outlet side of said liquid flow line during a dispensing operation, said delivery means comprising a flexible, collapsible hose, means for closing the dispensing end of said hose when the pressure within said hose drops below a predetermined point, valve means for permitting supplying or withdrawing liquid to or from said hose, control means for making said liquid forcing means operative and inoperative at will, and means between said control means and valve means for causing said valve means to be put in hose evacuating condition if said control means is rendered inoperative, and means for registering the amount of liquid flowing out of said dispensing end of said hose.

2,544,918
PUSH-BUTTON CONTROL
Robert Demeulenaere and Marcel Demeulenaere, New York, N. Y.
Application May 14, 1945, Serial No. 593,586
16 Claims. (Cl. 74—10.39)

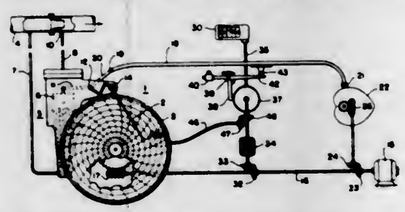
1. A device for turning a shaft through variable predetermined angles comprising an abutment on said shaft, a rotatable toothed drive

member movable relative to said shaft, means associated with said drive member and engageable with said abutment for turning said shaft, a rotatable and axially reciprocable actuating member, and teeth on said actuating member



meshing with said toothed drive member, the teeth on said actuating member being inclined whereby during rotary movement of the actuating member the drive member is cammed to vary the degree of rotation of the drive member with relation to the abutment.

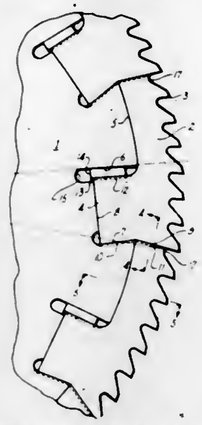
2,544,919
PRINTING TOTALIZER FOR STYLUS RECORDING METERS
Walter E. Dueringer, Shaker Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application April 10, 1947, Serial No. 740,648
11 Claims. (Cl. 346—35)



1. In combination with a meter which records on a driven chart the instantaneous values of a variable and has associated therewith a printing counter driven to totalize the values of the variable, means for pivotally supporting the counter in a position to be moved into a printing relationship with the chart, and means for moving the counter automatically into printing relationship with the chart at the ends of predetermined time intervals, said last mentioned means including a solenoid operatively connected to said counter, a circuit for connecting said solenoid to a source of power, a switch included in said circuit, and cam means actuated by the chart driving means for controlling said switch.

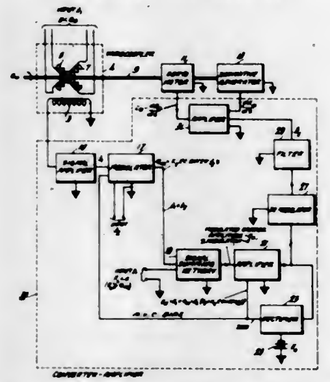
2,544,920
INSERT SEGMENT SAW
Henry J. Fullerton, Pittsburgh, Pa., assignor to Pittsburgh Saw & Tool Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1947, Serial No. 771,972
3 Claims. (Cl. 29—95)

1. In a circle saw having angularly spaced slots in the outer periphery thereof, one side of which being inclined inwardly relative to the other side of the slot, tooth segments mounted in said slots, said segments comprising substantially L-shaped members, the short leg of which constitutes a shank for mounting in the slots of the circle saw disc, and the long leg of which engages the periphery of the saw disc, the long edge of the tooth segment having tongues and the short end of the segment being grooved for locking engagement when contiguous segments are assembled in the slots of the body of the saw, and the inclined side of the slot in the saw body being grooved to receive a tongue on the shank of the tooth segment, the other edge of the shank being grooved to receive the tongue of a wedge, the



saw slots being cut deeper at one side of the slot for receiving a tongued portion of the wedge preliminary to inserting the wedge in interlocking engagement with the shank of the tooth segment.

2,544,921
ENERGIZING CIRCUIT FOR SERVO SYSTEMS
Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1945, Serial No. 619,240
11 Claims. (Cl. 318—28)



8. A constant loop gain frequency conversion servomotor system including a source of input signals of a first frequency, a source of signals of a second frequency, coupling means for deriving from said input signals control signals of said first frequency having magnitudes proportional to the degree of coupling therethrough of said input signals, means for modulating said control signals and said second frequency signals, means for combining said modulated signals and said input signals to derive a combined modulated signal having a percentage of modulation of said second frequency signals proportional to the magnitude of said control signals, means for amplifying said combined modulated signals,

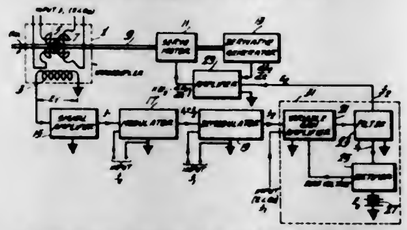
means for rectifying amplified signals of said input first frequency component of said combined modulated signals to derive a control bias voltage, means for applying said bias voltage to control the gain of said amplifying means, means coupled to said amplifying means for demodulating said combined amplified signals, means for deriving from said demodulated signals an output signal of said second frequency proportional in magnitude to the degree of coupling and substantially independent of the magnitude of said first frequency input signals, a servomotor, means for applying said output signals to energize said motor, and means coupling said motor to said input signal control means for adjusting the coupling therethrough of said input signals.

2,544,922

ENERGIZING CIRCUIT FOR SERVO SYSTEMS

Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1945, Serial No. 619,399
10 Claims. (Cl. 318—28)



7. A constant loop gain frequency conversion system including a source of input signals of a first frequency, a servomotor, a source of signals of a second frequency for energizing said motor, a source of reference potential, a pair of coupled circuits responsive to said input signals for deriving control signals of said first frequency having magnitudes proportional to the degree of coupling of said coupled circuits, means for applying said control signals to control the magnitude of said second frequency signals, means for amplifying said controlled second frequency and said input first frequency signals, means for rectifying amplified signals of said input first frequency means for combining said rectified signals and said reference potential in opposite polarity to derive a control bias voltage, means for applying said bias voltage to control the amplification gain of said amplified second frequency signals, means for deriving an amplified output signal of said second frequency proportional in magnitude to the degree of coupling and substantially independent of the magnitude of said first frequency input signals, means for applying said output signals to energize said motor, and means for coupling said servomotor to said coupled circuits to adjust the coupling of said input signals.

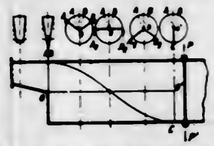
2,544,923

DEVICE INTENDED FOR THE TRANSMITTING OF ENERGY BY MEANS OF A HOLLOW ELECTROMAGNETIC GUIDE

Henri Gutton, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application July 19, 1946, Serial No. 684,817
In France May 7, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 7, 1962
3 Claims. (Cl. 178—44)

1. In a device for transmitting energy in the form of progressive electromagnetic ultra-short waves, from a wave generator to an electromagnetic horn, adapted to turn about a fixed axis, two identical extremities, in the form of rectangular wave guides designed to transmit only H_{01} waves of a given wavelength in empty space, means coupling one of these wave guides to the generator and adapted to excite H_{01} waves in its input section, a middle portion, composed of a cylindrical wave guide having a rotating joint, coaxial with the guide and coincident with the



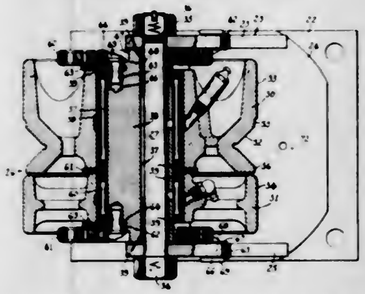
horn rotation axis, two wave transformers connecting this middle portion to the two extremities, the hollow transformers being identical metallic casings in reverse position relatively to each other in the direction of wave propagation, and means associated with each of the transformers and adapted to give thereto a gradually changing parallel cross-section, whereby the rectangular end section gradually merges into an isosceles triangular section, parallel to the rectangular one, and the triangular section gradually merges into a circle parallel to said triangle.

2,544,924

INDUSTRIAL TRUCK CASTER WHEEL

Walter F. Herold, Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application October 4, 1945, Serial No. 620,239
15 Claims. (Cl. 105—170)



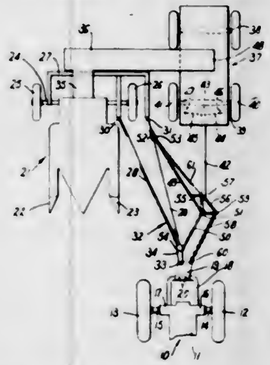
15. A caster for industrial trucks having a horn provided with depending legs, an axle fixed to the leg terminals and extending across the space between the legs, a wheel structure rotatably mounted about the axle and extending substantially across the space between the horn legs, said wheel structure comprising a wheel having a substantially cylindrical floor-engaging surface at one side and a V-shaped groove formation substantially in the median plane of the horn and also comprising an independently rotatable narrower wheel immediately adjacent said groove formation having a substantially cylindrical floor-engaging surface, an eccentric skein interposed between said wheels and said axle adapted to raise and lower the wheels as said skein structure is turned relatively to the axle, and spiral spring members at the remote sides of the wheels each connected at one end to the skein structure and at the other end to the corresponding horn leg.

2,544,925

HITCH FOR JOINING HARVESTER AND A WAGON TO A TRACTOR

Elof K. Karlsson, Moline, Ill., and Ralph L. Sutton, Davenport, Iowa, assignors to International Harvester Company, a corporation of New Jersey

Application November 16, 1948, Serial No. 60,202
5 Claims. (Cl. 280—33.44)



1. A hitch means for joining a tractor and a first trailing vehicle and a material receiving second trailing vehicle in which the first trailing vehicle is laterally disposed from the line of draft of the tractor and the second trailing vehicle is positioned alongside the first trailing vehicle and substantially to the rear of the tractor comprising, frame connecting members hingedly attached to said first trailing vehicle and inclined laterally for connection to the tractor at a first point, said frame connecting members supporting a connecting point disposed laterally in a direction opposite the laterally disposed first trailing vehicle, an extensible hitch member pivotally attached at said laterally disposed connecting point, a tongue extending from the second trailing vehicle and attached to said extensible hitch member at a point spaced from the hinge mounting thereof, and collapsible link means attached at one end to said extensible hitch member at a point spaced from said tongue attachment and its pivotal mounting and attached at its other end to the tractor at a point laterally spaced from the frame member connection of the first trailing vehicle whereby upon turning of the tractor the collapsible link means pulls on said extensible hitch member causing rotation thereof and an outward swinging of the tongue to effect a separation of the second trailing vehicle from the first trailing vehicle during turning of the tractor in that one direction.

2,544,926

FISHERMAN'S NET

Edward W. Keeney, Sr., Westfield, Mass.

Application February 26, 1948, Serial No. 11,112
3 Claims. (Cl. 43—12)



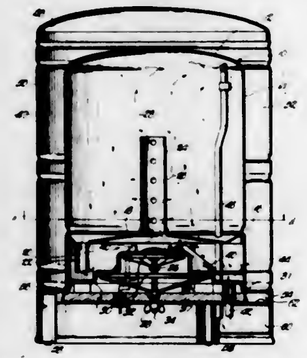
1. A net device of the class described comprising in combination, an elongated cylindrical casing having rear and forward ends, an abutment secured in the casing adjacent the rear end thereof, an elongated propeller, provided with a recess slidable in said casing forwardly of said abutment between a rear and forward net projecting positions, said propeller being provided with a bore having an open end directed towards said abutment and a closed forward end, a spring in the bore of said propeller between the forward closed end thereof and said abutment for sliding said propeller forwardly to net projecting position, a lock member swingable over said abutment having a portion which is receivable in said recess in said propeller to releasably hold said propeller in rear position, a flexible restraining member having opposite ends secured to said abutment and forward end of the propeller adapted to limit forward movement of the latter to net projecting position, a cap in said casing forwardly of and secured to the forward end of said propeller, said cap provided with grooves on opposite sides thereof and said cap and forward end of the propeller on adjacent faces thereof provided with complemental grooves in communication with said first-named groove, a net support consisting of a single length of spring wire having an intermediate portion disposed in the said complemental grooves and arms extending forwardly therefrom with loops therein adjacent said cap, and a net secured to said arm portions, all adapted and arranged whereby with the propeller in forward position the arms of the net support relatively diverge forwardly of the forward end of said casing.

2,544,927

WATER HEATER

Joseph H. Knapp, Kansas City, Mo.

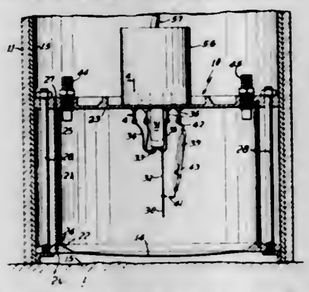
Application June 8, 1945, Serial No. 598,308
2 Claims. (Cl. 122—13)



1. A water heater of the kind described comprising a closed top tank having a partition of heat-conducting material setting off a water compartment thereabove and a heating compartment immediately below said partition; a frusto-conical wall of heat-conducting material closing the bottom of said tank and extending inwardly into said heating compartment; an insulated plate spanning the base of said wall and setting off a closed chamber; at least one heating element in said chamber; a cold water inlet conduit for said heating compartment, said conduit passing through said chamber, whereby said cold water is pre-heated by heat emanating from said element; an outlet opening formed in said partition for passage of hot water from the heating compartment to the water compartment; and an outlet pipe extending from a point near the top of said tank, downwardly through the partition, the heating compartment, the wall, the

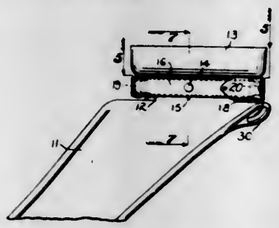
closed chamber and the insulated plate, whereby hot water flowing from the tank through the pipe is maintained in a heated condition between the plate and the uppermost end of the pipe.

2,544,928
RADIOACTIVITY DETECTOR
John D. Lahmeyer, Tulsa, Okla., and John T. Callahan, La Feria, Tex., assignors to Industrial Nucleonic Devices, Tulsa, Okla., a corporation of Oklahoma
Application February 8, 1949, Serial No. 75,248
4 Claims. (Cl. 250—83.6)



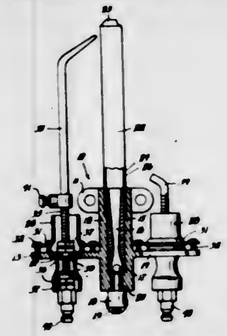
1. A radioactivity detector comprising a cylindrical wall and end plates therefor cooperating to define a closed ionization chamber, said cylindrical wall forming one electrode of the chamber, a thin diaphragm window in one of said end plates, an electronic tube having at least an anode, cathode and control grid mounted inside said chamber and centrally located with the other of said end plates, a slender inner electrode extending from said grid toward said diaphragm window with the end thereof substantially coaxial with the cylinder, and an input resistance mounted in said chamber and connected to the grid of said tube, whereby a directional radioactivity detector of high sensitivity may be obtained.

2,544,929
CLOSURE MEANS FOR THERAPEUTIC APPLIANCES
Paul S. Madsen, Bethany, and George W. Goodson, West Haven, Conn., assignors to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application May 26, 1948, Serial No. 29,378
8 Claims. (Cl. 150—5)



1. A therapeutic appliance comprising a flat elongated bag adapted to contain liquid having at one end a projecting neck which extends at a substantial angle to the axis of the bag body, said neck being relatively wide and having a portion attached to the bag body which is of a predetermined width and a free end portion integral with the first portion and of greater width adapted to be folded down so as to be in covering relation to the first portion, and a clamp removably secured to the bag in embracing relation to said first neck portion adapted to close and seal the bag mouth by pressing together opposite walls of said neck, said clamp having a pair of interpivoted clamping jaws arranged with the pivot at one side of the neck, and the clamp also having in association with free ends of said jaws a fastening latch pivoted to one jaw and arranged to engage the other jaw to move it to the bag-closing position, said latch being disposed so that in the operative position it extends over the jaw engaged thereby through a portion of its length, said clamp being substantially covered by said second neck portion when the latter is folded down, and said neck portion in such position being engaged with said latch so as to prevent displacement thereof.

2,544,930
PILOT BURNER AND FLAME DETECTOR ASSEMBLY
Sidney K. Malek, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 27, 1944, Serial No. 537,631
5 Claims. (Cl. 158—117.1)

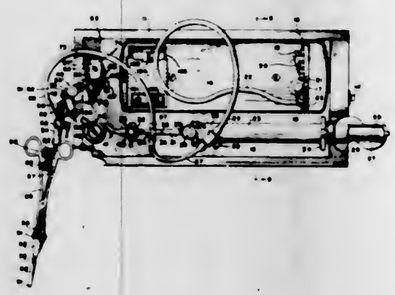


1. A pilot burner assembly comprising a body member having four arms, a pilot burner mounted on a first of said arms, said burner having a slotted end and side wall, a second of said arms extending in line with said first arm but in the opposite direction and having fuel and air receiving openings therein, said first and second arms having a passage therethrough connecting said air and fuel receiving openings with the interior of said pilot burner, the remaining pair of arms extending laterally in opposite directions from the junction of said first two arms whereby the four arms form the general shape of a cross, an igniting electrode supported on one of said last pair of arms and terminating adjacent said slotted end wall, and a flame detecting electrode supported on the other of said last pair of arms and terminating adjacent the end of the slot in said side wall nearest the junction of said arms.

2,544,931
APPARATUS FOR INSUFFLATING THE FALLOPIAN TUBES
John L. Marco, Flushing, N. Y., assignor to Goodman-Kleiner Co., Inc., New York, N. Y., a corporation of New York
Application December 21, 1946, Serial No. 717,711
2 Claims. (Cl. 128—2)

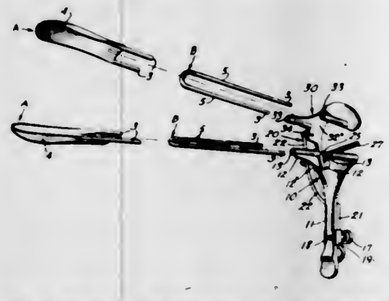
1. In an insufflating apparatus comprising a receptacle, a chamber upon said receptacle con-

taining carbon dioxide at a low workable pressure, a cartridge containing carbon dioxide connected to the said chamber and supplying carbon dioxide thereto, a manometer upon the said receptacle having tubular connection with the said chamber, a cannula tubularly connected with the said manometer and a tenaculum secured to the said cannula, the combination therewith, of a light unit comprising a light-bulb carrier pivotal-



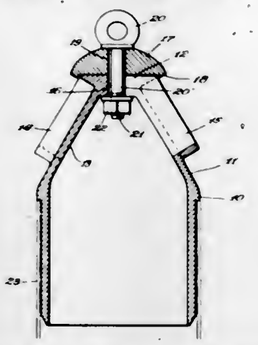
ly attached upon the said tenaculum by means of a dual clamping unit consisting of upper and lower pivotally connected clamping members, the said upper clamping member engageable with the said light bulb carrier and the said lower clamping member being attachable to the said tenaculum, a light bulb engageable in said light bulb carrier, and dry batteries in said receptacle having electrical connection with the said light bulb in the said carrier.

2,544,932
VAGINAL SPECULUM
John L. Marco, Flushing, N. Y., assignor to Goodman-Kleiner Co., Inc., New York, N. Y., a corporation
Application May 7, 1949, Serial No. 91,997
3 Claims. (Cl. 128—17)



2. In a vaginal speculum, in combination, a body member having a shank terminating at its upper end in an arcuate bifurcation presenting a pair of sleeves of small bore, a member having a shank slidably mounted on said shank of the body member, a member pivotally mounted on said slide member and having an arcuate bifurcation also presenting a pair of sleeves of small bore, the said arcuate bifurcation of the body member being disposed opposite, in lower relation, to said arcuate bifurcation of the pivoted member, and a pair of depressors each having a pair of equi-distanced ends interchangeably insertable in said two pairs of sleeves of the body member and of the pivoted member.

2,544,933
GAS NOZZLE WITH MULTIPLE SLOT-TYPE PORTS
William O. Mellies, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 16, 1947, Serial No. 768,965
3 Claims. (Cl. 158—116)



1. A burner nozzle or the like, comprising: a body having a hollow interior and including a generally cylindrical part provided with a coaxial, conical end; means providing an axially directed opening at the vertex of the conical end in communication with the hollow interior of the body; a plurality of circumferentially spaced fins running lengthwise on the outer surface of the conical end; and means providing a plurality of slits circumferentially spaced and extending lengthwise of the conical end and being open to provide for communication with the hollow interior of the body, certain of the slots being in communication with the aforesaid opening whereby the vertex ends of certain of the fin-carrying portions of the conical end are separate from each other and free to expand and contract independently of each other.

2,544,934
ION TRAP AND METHOD OF MAKING IT
Benjamin M. Nase, Lederach, Pa., assignor to Superior Tube Company, Norristown, Pa., a corporation of Pennsylvania
Application June 14, 1947, Serial No. 754,729
5 Claims. (Cl. 250—27.5)



3. An ion-trap comprising a pair of tubular electrodes each having an integrally formed ring at one end and whose other end is diagonal to the axis of the electrode, and structure engaging said integral rings supporting said electrodes in spaced axial alignment and in angular position, the gap between the opposed diagonal ends being of constant width circumferentially of the trap.

2,544,935
METHOD OF PRODUCING BOARDS
Otto Harald Örner, Hudiksvall, Sweden
Application March 13, 1946, Serial No. 654,143
In Sweden March 17, 1945
3 Claims. (Cl. 144—309)

1. A method of producing boards, wherein sectors are physically removed from logs and

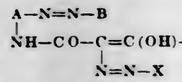
are then sawn into a series of blanks tangentially to the annual rings, said series of blanks extending substantially to the apex of the sector, said blanks being arranged in flakes of a uniform thickness, placing said blanks on top of each



other and gluing the same into a block with the annual rings of the blanks extending in the same direction, said boards being sawn from the blocks in a transverse direction to the annual rings along the fibres.

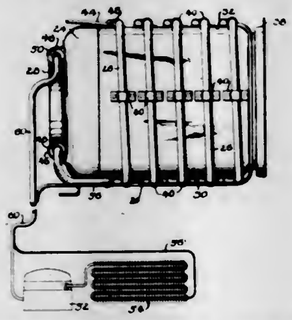
2,544,936
INDAZOLE AZO DYESTUFF
Pierre Petitcolas, Rouen, Robert Frédéric Michel Sureau, Mont-St.-Aignan, and André Paul Richard, Oissel, France, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France, a French company
No Drawing. Application May 6, 1947, Serial No. 746,310. In France May 14, 1946
1 Claim. (Cl. 260—157)

A copperable azo dyestuff of the general formula:



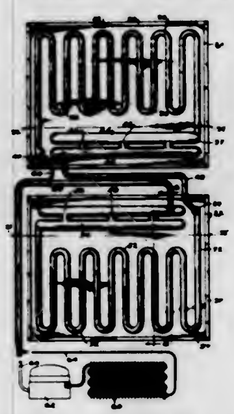
in which X is a benzene nucleus free from solubilising groups, B is a benzene nucleus having an alkoxy group in the ortho position to the azo linkage shown between A and B and A is an indazole nucleus having an imino nitrogen atom in the ortho position to the azo linkage shown between A and B.

2,544,937
REFRIGERANT EVAPORATOR
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 5, 1947, Serial No. 759,157
3 Claims. (Cl. 62—126)



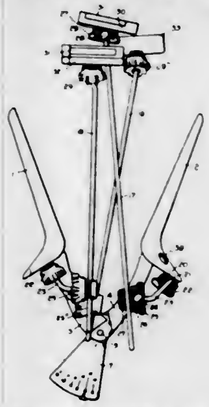
1. A refrigerant evaporator comprising, sheet material forming top, bottom and sides of a container, a refrigerant passage in heat exchange relation with said sheet material, a closure member fitting over said top, bottom and sides forming the rear wall of the container, and a refrigerant accumulator carried by said closure member connected to said refrigerant passage.

2,544,938
REFRIGERANT EVAPORATOR
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application March 24, 1948, Serial No. 16,765
4 Claims. (Cl. 62—126)



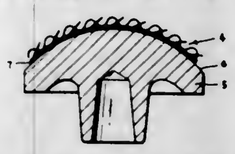
1. A refrigerant evaporator having a series circuit refrigerant passageway comprising an upper and a lower L-shaped plate having legs thereof forming the top and bottom walls of the evaporator and having their other legs partly forming an upright wall of the evaporator, a sinuous passage formed in each of said top and bottom walls, a manifold in the upright leg of the upper plate connected to the outlet of the sinuous passage in said upper plate and connected to the inlet of the sinuous passage in the lower plate, and a manifold formed in the upright leg of the lower plate connected to the sinuous passage in said lower plate.

2,544,939
APPARATUS FOR RADIUM THERAPY APPLIED IN THE CAVITY OF THE BODY
Aaro Mikael Ritala, Turku, Finland
Application August 22, 1946, Serial No. 692,241
In Finland March 6, 1945
2 Claims. (Cl. 128—1.2)



1. A therapeutic instrument for vaginal irradiation, comprising in combination a dilative portion and an applicative portion, said two portions being cooperatively mechanically interconnected so that separate and discrete control of the respective functions thereof is readily obtainable, the dilative portion including a plurality of interconnected arms mutually pivoted at a point situated without the body cavities when the instrument is in use, and provided with an arcuate scale adjacent said point and serving to indicate relative positioning of the dilative arms, and the applicative portion thereof including a plurality of arms situated between and directly supported by said dilative arms, means adjacent the extremity of each applicative arm within the body cavities for holding an irradiative instrumentality, and means for adjusting said applicative arms independently, whereby location of said irradiative instrumentalities may be determined at respective points remote with relation to the position of said dilative arms.

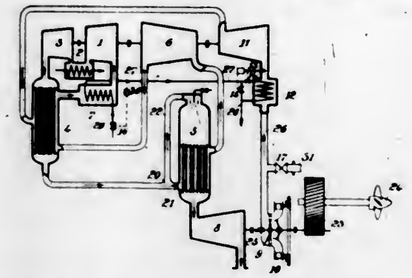
2,544,940
POLISHING PAD
Harry F. Ritterbusch, Southbridge, Mass., and Homer L. Langevin, Hartford, Conn., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 13, 1948, Serial No. 44,046
4 Claims. (Cl. 51—185)



1. A polishing pad of the character described comprising a thin flat sheet of relatively long wool fibres woven together and filled with shorter wool fibres so as to have expansible and compressible characteristics such as to permit it to be readily cupped to different curved shapes, and a coating of pressure-sensitive adhesive on one surface thereof embodying a rubbery synthetic resinous base containing filler, said coating of adhesive being of a sufficiently permanent tacky nature as to permit the pad to be detachably secured to a lap without the application of heat, and of a sufficiently elastic nature as to be enabled to follow the expansion and compression characteristics of the sheet and sufficiently firm as to prevent creeping of the pad on the lap during use.

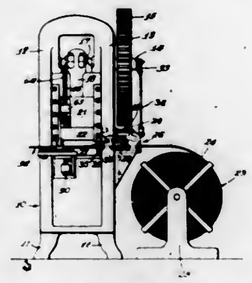
2,544,941
GAS TURBINE PLANT
René Strub, La Chaux-de-Fonds, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application May 2, 1944, Serial No. 533,676
7 Claims. (Cl. 60—49)

1. A gas turbine plant comprising, in combination, an auxiliary operating circuit including an auxiliary turbine, a main compressor driven by said turbine and receiving operating gas exhausted therefrom for compression, a gas heater for heating the gas compressed in said compressor and supplying heated and compressed gas to said turbine for operating same, and an auxiliary air compressor connected to and driven by said turbine and having air intake means and supplying compressed air to said auxiliary circuit ahead of said heater; a power shaft, a main gas turbine receiving operating gas from said heater and connected to and driving said power shaft, and an atmospheric air pressure operated turbine connected for air flow to and exhausting into said air intake means and connected to and supplying power to said main shaft and having



adjustable air intake means for controlling the flow of air from the atmosphere to said auxiliary circuit and the power output of said plant.

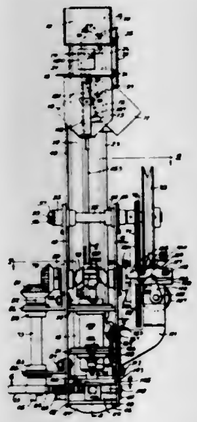
2,544,942
CHAIN LINK INTERSPERSING MACHINE
Clarence E. Vandenberg, Blue Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 25, 1949, Serial No. 106,532
3 Claims. (Cl. 59—7)



1. In a chain making apparatus having a punch press with a reciprocating head, a multiple stage chain making die for said press, a stock feeding device operable in response to operation of said punch press, means for intermittently rendering said feeding device ineffective to feed stock, means on said apparatus for inserting a special chain link into the formation of the chain at a time concurrently with the halting of feeding of the stock, said means for inserting a special chain link including an electrical solenoid, means for intermittently energizing said solenoid, said means for intermittently energizing the solenoid including a source of electrical energy, electrical switch means, electrical wiring joining the source of electrical energy with the solenoid and the switch means, mechanical means for actuating said electrical switch means, said mechanical means including a toothed rack arranged and constructed on said apparatus for sliding movement with respect to the apparatus, an arm pivotally mounted on said apparatus and connected to the reciprocating head of the punch press to impart arcuate swinging movement to the arm upon each reciprocal movement of the head, a pawl mounted on said arm and adapted to engage and move the toothed rack in regular increments, a first part of the switch means positioned in the path of the toothed rack in such a manner that the rack in its desired moved position acts to

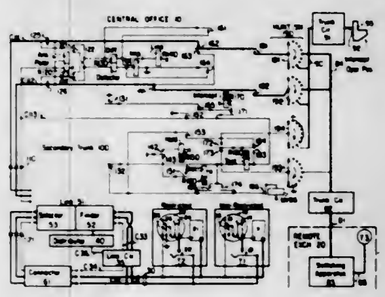
close the switch means and complete the circuit to the solenoid and thus energize the solenoid, a holding pawl pivotally mounted on said apparatus, spring means normally urging said holding pawl into engagement with the toothed rack and arranged and constructed to regularly permit movement of the rack only in one direction, a second solenoid mounted on said apparatus and having a movable portion thereof connected to said holding pawl, a spring normally urging said toothed rack away from said switch means, and a second part of said switch means located close to the first part of said switch means and arranged to be actuated by said toothed rack subsequent to the actuation of the first part of said switch means, and circuit wiring arranged to include the source of electrical energy, the second part of said switch means, and the second solenoid, whereby actuation of the second part of the switch means completes the electrical circuit to and energizes the second solenoid to thus release the holding pawl and permit the toothed rack to be moved by the spring and resume its original position for the resumption of another cycle of operation.

2,544,943
MOISTURE TESTER
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 27, 1944, Serial No. 528,255
15 Claims. (Cl. 73—73)



1. A hardness testing device comprising a rotatable member having a plurality of wells therein, means for intermittently rotating the rotatable member, means for feeding material to be tested to each well as it comes beneath the feeding means, a spring biased plunger spaced from said feeding means and adapted to compress material in each well as it comes beneath the plunger, means movable over a predetermined course for reciprocating said plunger, index means carried by the plunger for cooperation with a datum to indicate when the material under test is compressed a predetermined amount, cleanout plunger means spaced from both of said feeding means and said plunger and adapted to clean out each well as it passes therebeneath, means for reciprocating said cleanout plunger means, and a stationary plate beneath the rotatable member having a hole in alignment with the well beneath the cleanout means while sealing the lower ends of the wells beneath the feeding means and the plunger.

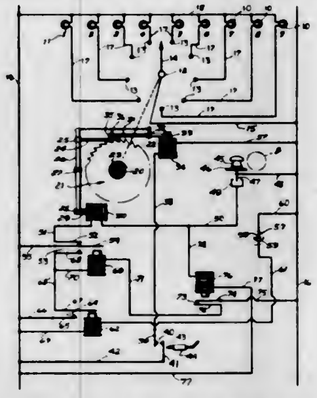
2,544,944
RESTRICTED SERVICE AUTOMATIC TELEPHONE SYSTEM
John Wicks, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 3, 1947, Serial No. 752,055
8 Claims. (Cl. 179—18)



1. In a telephone system including a first exchange provided with subscriber substations of first and second classes and automatic switching apparatus accessible thereto, each of said subscriber substations being provided with a digit transmitting mechanism, a second exchange, and a plurality of trunks extending between said exchanges and accessible to said switching apparatus; means controllable from any calling one of said subscriber substations for extending a connection therefrom to said switching apparatus, means responsive to the extension of a connection to said switching apparatus for operating it automatically to select an idle one of said trunks, means including a first relay responsive to the transmission of a digit to said switching apparatus from a calling one of said subscriber substations of said first class for repeating the digit over said one selected trunk, and means including a second relay responsive to the transmission of a digit to said switching apparatus from a calling one of said subscriber substations of said second class for reoperating said switching apparatus to release said one selected trunk.

2,544,945
COMBINATION ANTITILT AND RESTORING CIRCUIT FOR AMUSEMENT GAME APPARATUS
Harry E. Williams, Chicago, Ill., assignor to Williams Patent Corporation, Chicago, Ill., a corporation of Illinois
Application December 10, 1949, Serial No. 132,365
2 Claims. (Cl. 273—118)

1. A combination comprising a scoring circuit having a source of power, a ball-actuated switch in the scoring circuit to effect energization thereof by the source of power when closed by a ball, an anti-tilt circuit having connection with the source of power and including an anti-tilt switch and means for deenergizing the scoring circuit upon closing of the anti-tilt switch, a holding circuit for said deenergizing means of said anti-tilt circuit and having connection with said power source, a circuit having connection with said power source and with said ball-actuated switch and said holding circuit to deenergize the hold-



ing circuit upon closing of said ball-actuated switch by a ball.

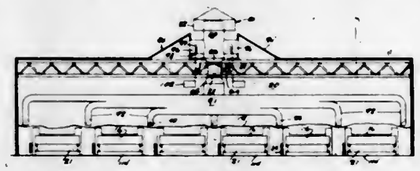
2,544,946
FIRE ALARM DEVICE FOR BEDS
Norman Lockert Allen, Appleton, Wis.
Application March 7, 1949, Serial No. 79,955
4 Claims. (Cl. 116—105)



1. In combination, a mattress for a bed, and a built in fire alarm in the mattress to awaken an occupant of the bed and to give alarm to others on or about the premises if the mattress is set afire, said fire alarm comprising a string of ignitive explosive members embodied in and extending along vertical outer walls of the mattress in concealed position, and including a main fuse connecting said members and extending along said walls, and cross fuses connecting said main fuse between opposite vertical outer walls and spaced from the top and bottom of the mattress.

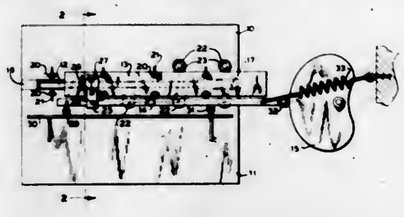
2,544,947
LEHR TEMPERATURE CONTROL
Arvid H. Baker, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application January 19, 1946, Serial No. 642,163
13 Claims. (Cl. 49—47)

1. In a process of annealing cellular glass slabs in which the slabs are disposed in spaced, vertical position upon a foraminous conveyor system moving slowly through an annealing lehr in a horizontal plane near the middle of the lehr, the step of discharging annealing gases below the conveyor system transversally of the lehr, causing the gases to spiral upwardly about a vertical axis and pass through the conveyor and between the slabs in a multiplicity of short zones, individually collecting the gases from each zone at the top of the lehr and returning them to



their individual starting points below the conveyor system without substantial movement longitudinally of the lehr, the temperatures of the zones being graduated downwardly from zone to zone.

2,544,948
VARIABLE ORIFICE FLOW-CONTROL APPARATUS
Joseph Morton Caldwell, Arlington, Va.
Application April 26, 1946, Serial No. 665,196
5 Claims. (Cl. 222—70)

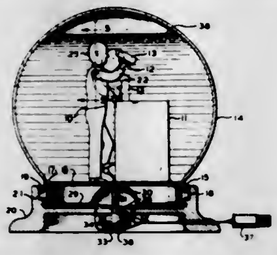


1. Apparatus for supplying liquid at a predetermined rate comprising a constant pressure container having in one side thereof an orifice disposed below the liquid level in said container, said orifice having its major dimension in a horizontal direction and a vertical dimension so limited that the difference in hydraulic head between the bottom and top of the orifice is insufficient to introduce material error in the control of liquid flow therethrough; a horizontally disposed longitudinally slidable gate supported on said container wall in position to cover any desired portion of said orifice and thereby vary the area of the liquid discharge opening, antifriction means carried by said container wall and supporting said gate; a longitudinally movable member substantially parallel to said gate; gate connecting means connectable to said member at any desired position lengthwise thereof; antifriction means supporting said member on said container wall; a cam bearing against one end of said member and rotatable to impart longitudinal movement to said member to thereby move said gate along said orifice; and resilient means maintaining said member in operative contact with said cam.

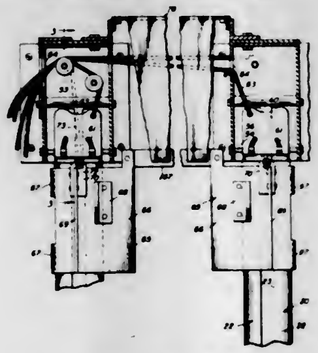
2,544,949
ANIMATED AMUSEMENT DEVICE
Blake N. Daniel, Brooklyn, N. Y.
Application March 28, 1949, Serial No. 83,987
4 Claims. (Cl. 272—8)

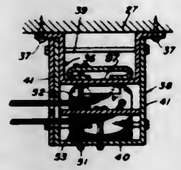
4. An amusement device comprising a transparent container partially filled with a liquid and closed by a flexible wall, a base engaging said container for supporting the same, a figure simu-

lating a person disposed in said container and secured to said wall said figure having a hollow head, the head and one arm of said figure being mounted for pivotal movement, a simulated hollow mug fixed to said arm, an aperture in said head, said figure, head, arm and mug being submerged in said liquid, a flexible diaphragm closing said aperture, an aperture in said mug and a diaphragm closing the same, and means secured to said base for periodically distorting said wall to increase and decrease the pressure in said container, thus flexing said diaphragms to vary the buoyancy of said head and mug causing downward and upward movement thereof.



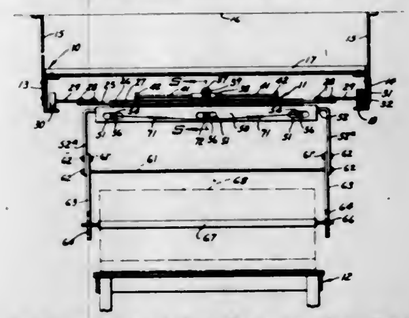
2,544,950
ADJUSTABLE SHADE AND CURTAIN HANGER
Frank Davidson, Sr., Los Angeles, Calif.
Application October 21, 1947, Serial No. 781,227
5 Claims. (Cl. 211—103)





2. An adjustable shade and curtain hanger comprising a pair of spaced parallel tracks adapted to be mounted on opposite side rails of a window casing, a carriage slidable vertically on each track, a shade bracket on each carriage, a suspension pin projecting upwardly from each carriage, a housing and a U-shaped bracket connected to the upper end of each track, a guide pulley mounted within each housing, a suspension cord attached to each suspension pin and trained over the pulley in the housing on its respective side of the window, a latch and clamp plate pivoted within each housing for engagement with the suspension pin releasably to hold the pin and its respective carriage in elevated position and when the pin is released to clamp the suspension cord against the U-shaped bracket on its respective side of the device, manually controlled means operable from one side of the hanger simultaneously to release both latch and clamp plates, and spring means within each housing and coupled to the latch and clamp plate therein yieldingly to urge the latch and clamp plate into latching and clamping position.

2,544,951
CLOTH SPREADING MACHINE
Harold Joseph De Lassus, Salisbury, Mo.
Application October 5, 1948, Serial No. 52,939
10 Claims. (Cl. 270—31)



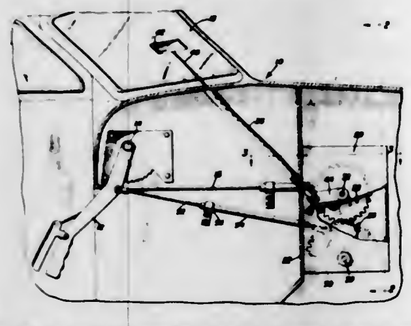
1. In a machine of the character described in combination, an overhead track, a carriage plate longitudinally movable thereon, a stub axle extending through and rotatable in said plate, stabilizing means secured to the upper end of said axle and including an annular series of rollers to rotate on the upper side of said plate, a horizontal supporting member fixed at its center to the lower end of said axle, a bolt-carrying member carried by and shiftable lengthwise of said supporting member, and spring means for centering said bolt-carrying member on said supporting member.

2,544,952
OVERHEAD GARAGE DOOR AND OPERATING MEANS
William G. Deuring, Cleveland, Ohio
Application March 29, 1949, Serial No. 84,059
1 Claim. (Cl. 20—19)



In an overhead door adapted to assume a vertical position when closed and an elevated horizontal position when open, guide means for carrying the upper end of the door in a horizontal path during a major portion of the door travel, a lever pivoted to each vertical side of the door frame, said lever comprising a door supporting arm pivotally connected at one end to the lower sides of the door, and a plate rigidly secured to the other end of said arm, a link pivotally connected at one end to said plate and at the other end to a counterpoise, counterpoise adjustment holes in the plate to receive the counterpoise adjustment pin connecting the link to the plate, for each counterpoise adjustment hole a correlated stop-pin hole in the plate to receive a stop-pin, the correlated holes being spaced apart so that in the travel of the door from an open position to a closed position, the link being free of the stop-pin during the initial downward movement of the door and the link being engaged by the stop-pin during the major portion of the door travel, the engagement of the link by the stop-pin causing the link to become a supplement to the plate and thereby increase the length of the counterpoise arm of the lever.

2,544,953
EMERGENCY BRAKE WARNING
Sienus Ekkelkamp, Everett, Wash.
Application January 30, 1950, Serial No. 141,325
4 Claims. (Cl. 116—114)

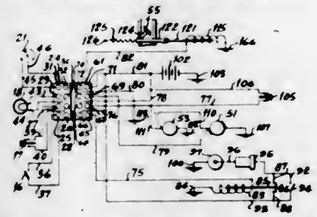


2. In a vehicle which has a brake lever and a windshield, an indicator for the position of the brake lever comprising a rod with means mounting said rod on the vehicle for movement to a position to impede vision through the windshield, a signal member carried by said rod and movable with said rod to a position in the line of vision of the operator of the vehicle while seated in the operator's position, and means secured to said lever and operatively connected with said rod for actuating said rod including a sheathed longitudinal member, a gear train mounted on brackets, a crank connecting said longitudinal member with one of the gears of said train, and a crank secured to another gear of the train and to said rod to transmit movement from the gears of said train to said rod.

2,544,954
PREPARATION OF CELLULAR GLASS
Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 31, 1945, Serial No. 586,031
1 Claim. (Cl. 49—77)

The method of producing a cellular glass body of uniform cellulation and without distortion, comprising steps of enclosing a uniformly mixed mass of finely pulverized glass, carbon black, and an oxidizing agent in a mold of the desired configuration, said glass sintering at a temperature materially below the temperature at which the carbon black oxidizes to form a gas, heating the mold and contents to a temperature above the sintering point of the glass and below the temperature at which said carbon black is oxidized, maintaining the mold and contents at said temperature until substantially all the glass is sintered, thereafter raising the temperature of the mold and contents to the temperature at which the carbon black oxidizes until the desired degree of cellulation is obtained, abruptly exposing the mold to a temperature below the sintering point and above the annealing point of the glass to substantially uniformly terminate cellulation on the exterior skin on the enclosed cellulated body, maintaining the mold at said temperature to substantially uniformly cool the body and promote a slow inward increase in the thickness of the layer of solidifying glass whereby active gas pressure is maintained on the interior cells of the body, which cell pressure slowly decreases in successive cell layers outwardly from the center of the cooling body, removing the body from the mold, and annealing the body.

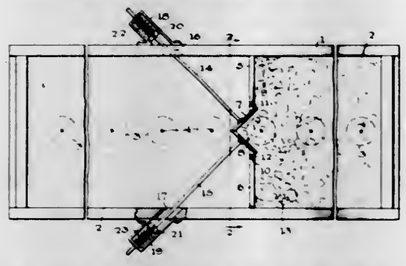
2,544,955
REMOTE CONTROL FOR VEHICULAR COMBUSTION ENGINES
Walter N. Harrelson, Spartanburg, S. C.
Application January 18, 1950, Serial No. 139,316
3 Claims. (Cl. 290—37)



1. In an automotive vehicle having an internal combustion engine and having a choker, and also having a storage battery and being provided with a generator and a starter motor, said automotive vehicle also having an ignition system associated with the internal combustion engine, an electrical connector adapted to be secured to the automotive vehicle, a plurality of wires extending from the storage battery, the generator, and the starter motor to said electrical connector, a solenoid operated means for controlling the choker, a wire from the solenoid operated means for controlling the choker to said connector, a mating connector removably connectable to the first-named connector, a plurality of wires extending from the mating connector to a point substantially remote from the automotive vehicle, a control panel, a plurality of switches and visual indicating means on said control panel, said wires from the mating connector being connected to the corresponding switches and indicating means on said control panel whereby upon moving one of said switches on the control panel, a circuit may be completed to the ignition of said engine and upon closing a second one of the switches on said control panel, a circuit may be completed to the starter motor associated with the internal combustion engine and upon manipulation of a third one of said switches on said control panel, a circuit may be completed to the solenoid operated means for controlling the choker, a connection between the generator and the indicating means on said control panel when the mating connector is connected to the first-named connector whereby, upon the engine being started, current will flow from the generator to the indicating means to energize the in-

dicating means to indicate that the motor has started and whereby upon the engine being started, the mating connector may be disconnected from the first-named connector to thus permit movement of the automotive vehicle from one place to another and to permit the mating connector to remain in substantially the same position in which it had previously been disposed.

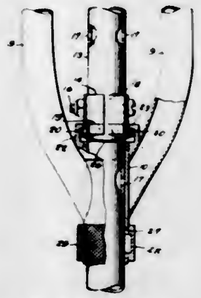
2,544,956
SPRING GATE FLUX DAM FOR GALVANIZING KETTLES
Michael Hayes, Dundalk, Md., assignor to Rheem Manufacturing Company, San Francisco, Calif., a corporation of California
Application July 16, 1948, Serial No. 39,128
8 Claims. (Cl. 91—12.5)



1. In galvanizing apparatus including a container for a bath of molten zinc adapted to have a layer of supernatant flux thereon, means for confining supernatant flux to one portion of a bath of molten zinc in the container as articles to be galvanized are being passed therethrough which comprise main dams extending inwardly from opposite sides of the container, auxiliary dams each having one end portion pivotally connected to the inner end of one of the main dams, said main dams and auxiliary dams having their lower edges spaced from the bottom of the container a distance sufficient to permit articles to be coated to pass thereunder, and spring means for urging the distal ends of the auxiliary dams into contact, said spring means comprising spring mountings on the outer surfaces of the opposite side walls of the container, and members extending from said spring mountings through apertures in the sides of the container to abutting relation with the auxiliary dams.

2,544,957
CRUTCH
Nelson R. Henry, Atlanta, Ga., assignor to Joseph C. Watters, Atlanta, Ga.
Application August 2, 1948, Serial No. 41,990
3 Claims. (Cl. 135—50)

1. A crutch including relative rotatable and slidable frame and leg sections, a lock collar carried by the leg section, a non-circular flange on the collar, opposed ribs extended from the flange, a socket member carried by the frame section, opposed shoulders on the socket member the side edges of which define between them a space of non-circular shape into which said flange fits to engage the flange to hold said sections against relative rotatable movement, said ribs being so located relative to the flange that fitting of the flange into said space causes the shoulders to overlie the ribs to hold the sections against relative slidable movement, and means interposed between the collar and socket member yieldably holding them interengaged comprising a cambered spring washer anchored against rotation in the socket member and having diametrically opposed raised portions respectively underlying said



shoulders of the socket member to exert pressure against the ribs when said ribs underlie the shoulders.

2,544,958
LAWN CULTIVATING MACHINE
William E. Heubach, Morton, Ill.
Application October 1, 1946, Serial No. 700,521
2 Claims. (Cl. 55—75)

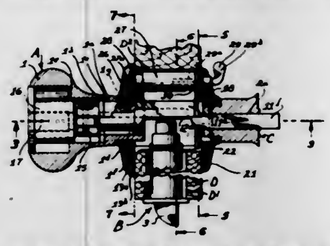


1. A ground conditioning machine comprising a wheel supported frame including a front bar, arms mounted on the front bar for vertical pivotal movement, a rear bar including a vertical flange and a horizontal flange, said vertical flange having vertical slots, the outer ends of the arms being disposed in the slots and extending beyond the rear bar of the frame, a shaft connecting the free ends of the arms, a plurality of vertical cutting blades mounted on the shaft and adapted to cut into the ground surface over which the machine is moved, means for adjusting the normal operating positions of the arms and blades, said adjusting means embodying an upper stationary bar having bolt openings, a transversely extended lower movable bar and intermediate movable bar under the upper stationary bar between which the arms are held said intermediate bar having threaded openings, adjusting bolts extending through the bolt openings of the upper bar and threaded openings of the intermediate movable bar, said bolts resting on said horizontal flange, adjusting bolts extending through the upper stationary bar engaging the intermediate movable bar, whereby rotation of the bolts raises and lowers the movable bars and arms with respect to the surface over which the machine is moved.

2,544,959
DOOR LOCK
Carl A. Hillgren, Los Angeles, Calif.
Application August 1, 1945, Serial No. 608,160
4 Claims. (Cl. 70—216)

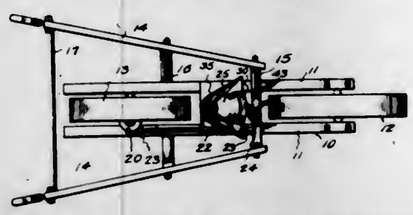
3. In a lock structure, a cage adapted to be fitted in a door, an outer knob rotatably mounted thereon and extending from the outer side thereof, a retaining plate secured to the inner side of the cage, an escutcheon plate secured to the inner side of the cage beyond the retaining plate,

an inner knob rotatably mounted on the escutcheon plate and extending therefrom, a spindle rotatably mounted within the cage and non-rotatably connected with both knobs, said spindle being provided within the cage with a portion of semi-circular cross-section and at the portion adjacent the inner knob with an arcuate groove about the axis of the spindle, said retaining plate having a semi-circular opening for receiving the spindle at the arcuate groove thereof for axially locating the spindle, there being provided in the plane face of the semi-circular cross-section of said spindle concentric semi-circular recesses positioned end to end, one



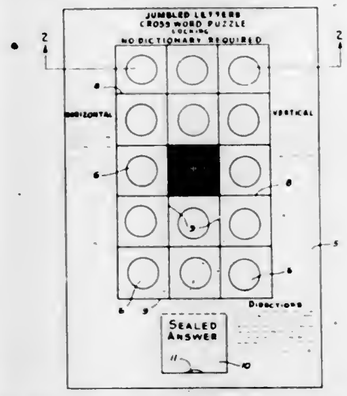
at the outer end of the spindle and the other inwardly thereof, the latter being of greater diameter, and a key-operated spindle located coaxially within the outer knob and coaxially with and rotatable relative to the first spindle, the key-operated spindle having a latch operating portion located within the larger recess of the first spindle, and also having a connecting shank connecting the latch operating portion with the outer knob, the shank being located within the smaller recess, the latch operating portion of the key-operated spindle being also of semi-circular cross-section with the face thereof located normally substantially within the plane of the corresponding face of the first spindle.

2,544,960
GARDEN SEEDER WITH DISPENSER HAVING VIBRATORY MEANS AND VARIABLE SEED DISCHARGE MEANS
Eugene Hoffman, Eatonia, Saskatchewan, Canada
Application February 6, 1946, Serial No. 645,731
In Canada March 28, 1945
1 Claim. (Cl. 222—161)



A device of the class described comprising a frame having a forward and a rear end, a dispenser carried intermediate the ends of said frame and supported in a rearwardly and upwardly inclined position, a trough having an open upwardly and rearwardly inclined upper end for receiving the contents of the trough from a point near the rear end of the frame as the contents pass through the trough from the dispenser, said dispenser having a base provided with a discharge port, the discharge port of the dispenser being located within the open inclined upper end of said trough, an upwardly and rearwardly inclined spindle carried by the frame, said dispenser being rotatably mounted upon said spindle, means for agitating said dispenser upon the spindle to facilitate the dispensing of the contents thereof from said dispenser, a rotatably adjustable band locked in a selected position upon and encircling the base of the dispenser, and said band having various sized openings formed therein adapted to be brought into selective registration with said port to regulate the discharge of the contents of said dispenser from said port.

2,544,961
EDUCATIONAL PUZZLE
Leonard Joseph Kemp, Prescott, Ontario, Canada
Application September 30, 1949, Serial No. 118,917
1 Claim. (Cl. 35—9)



A game board for cross word puzzles comprising a rectangular board composed of upper and lower sheets of material, the top face of the upper sheet being partially divided by vertical and horizontal lines into a series of squares, each square having a central aperture extending only through the upper sheet of the board, a series of discs for insertion in the apertures having letters on their face, said disks having their edges partially cut away to facilitate removal of the discs from the apertures, and a hinged flap formed in the top surface of the board below the series of squares by cutting through the top sheet forming a concealed pocket to receive the solution of the puzzle.

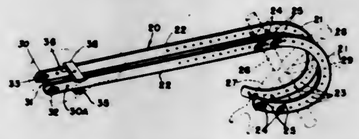
2,544,962
FISHING REEL CONTROL DEVICE AND BRAKE
Keith D. Legg, Minneapolis, Minn.
Application August 21, 1945, Serial No. 611,839
1 Claim. (Cl. 242—84.5)



The combination in a fishing reel having a side member and a shaft connected with a spool, of a brake comprising a brake drum secured to said shaft, a yieldable spring arm having a curved end curved around the brake drum, a shaft extending through a side member of the reel and to which

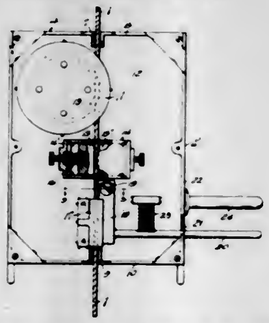
said spring arm is secured, a pressure arm secured to the shaft in direct alignment with the spring arm, adapted to engage the spring arm urging the curved end of the spring arm into contact with the drum, an operating arm formed at one end of said shaft, the free end of said operating arm being formed into a thumb piece extended over the reel, and being actuated by pressure directed thereto by the thumb of the person using the reel, and a ratchet bar engageable by said operating arm, holding the operating arm in its adjusted positions.

2,544,963
AUXILIARY LOAD-CARRYING ATTACHMENT FOR TRICYCLES, VELOCIPEDES, AND THE LIKE
Dorothy S. Livingston, Houston, Tex.
Application January 16, 1948, Serial No. 2,726
7 Claims. (Cl. 155—5.12)



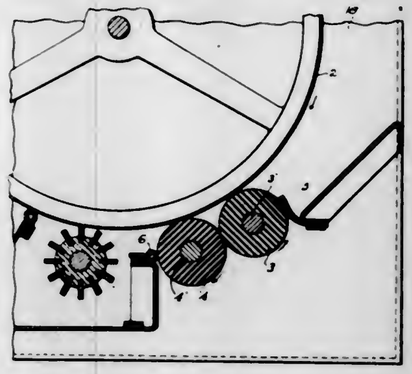
1. An auxiliary load-carrying attachment for the frame of a vehicle such as a bicycle, tricycle or the like, comprising, a pair of parallel bracket members spaced apart to enclose between them a portion of said frame, said bracket members being of generally U-shape with one arm longer than the other and having the outer end of the longer arm free of attachment to said frame, means for clamping said bracket members to at least two spaced points on said frame, and a load supporting means mounted on said longer arms.

2,544,964
PORTABLE INDIVIDUAL FIRE ESCAPE
George W. Phelan, St. Louis, Mo.
Application January 15, 1947, Serial No. 722,165
1 Claim. (Cl. 227—34)



In a portable fire escape having an escape line and a carrier for descent on the line, of a pair of spaced apart spring controlled line engaging brake shoes contained within the carrier below a stationary sheave around which the escape line is wound several times to exert constant predetermined pressure on opposite sides of the escape line to control the speed of descent of the carrier and its load on the escape line, a stationary brake shoe having a right angular escape line engaging surface secured to and within the carrier, a pivot pin secured to the carrier above and to one side of the stationary shoe, an arcuately movable brake shoe having a right angular line engaging surface depending from the pivot pin and positioned adjacent the stationary shoe, a lever arm projecting from the lower end of the movable brake shoe and extending through an opening in the carrier, a hand grip secured to the carrier to lie above the outer end of the lever arm and in spaced relation thereto, and a spring within the carrier adapted to exert constant pressure on the lever arm which is released only by upward pull on the lever arm to allow descent of the carrier and its load on the escape line.

2,544,965
TEXTILE FIBER WORKING MACHINE
Ernest H. Rogers, Atlanta, Ga., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application January 10, 1948, Serial No. 1,581
1 Claim. (Cl. 19—39)

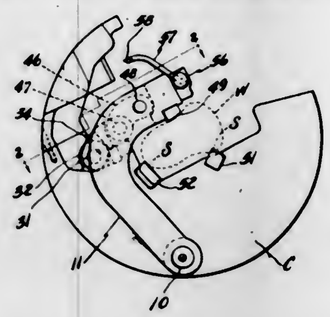


In a fiber filtering machine of the type having a casing controlling an air-stream and within said casing a rotatable screen through which a stream of air laden with fiber is conducted when the machine is in operation so that a fibrous mat builds up on the screen, a delivery mechanism for removing said mat from said screen and discharging it from said casing comprising a pair of rolls running in peripheral contact with each other and between which the mat is drawn from the screen, one at least of said rolls comprising a rigid shaft and a covering consisting of a series of annular rings of soft rubber positioned end to end on said shaft independently of each other, said rings being capable of conforming to and accommodating local irregularities independent of each other to prevent substantial flow of air between said delivery rolls.

2,544,966
HYDRAULICALLY OPERATED CHUCK
Richard E. Schulz, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich.
Application June 20, 1946, Serial No. 678,122
10 Claims. (Cl. 82—40)

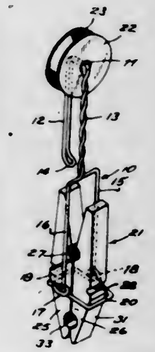
1. In a chucking device, a rotary chuck body adapted to engage a work-piece, a pair of elongated clamping arms pivotally and swingingly journaled thereon, toggle arms pivotally connected to said body and to the clamping arms at a point adjacent the outer free ends thereof, a reciprocating pressure actuated means for actuating said toggle arms to swing the clamping

arms into and out of engagement with the work-piece, and eccentric means operable in predeter-



mined sequence for swinging said clamping arms off center about their pivot point to positively lock the work in the chuck.

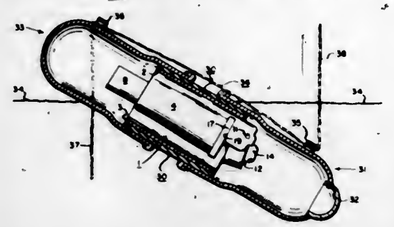
2,544,967
CLOTHESPIN AND SUPPORT THEREFOR
Lewis F. Seaman, Augusta, Ga.
Application November 2, 1946, Serial No. 707,419
6 Claims. (Cl. 24—34)



4. A construction of the character described comprising a frame having a traveler at its upper end adapted for low-friction engagement with a clothesline and having at its lower end means forming a socket having two opposed parts that fall in a plane at right angles to the line of said frame and that are relatively unyielding in relation to each other, and a pair of opposed gripping-jaw elements having external opposed relatively inclined edge faces seated in said socket with said edge faces in respective engagement with said two opposed rigid parts of said socket and coacting with the latter to wedge said gripping-jaw elements toward each other.

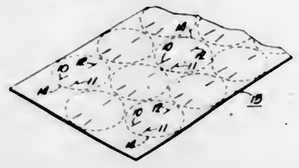
2,544,968
FISHING FLOAT
William Seigle, Dallas, Tex.
Application February 7, 1949, Serial No. 74,927
7 Claims. (Cl. 43—17.5)

1. An illuminating fishing float, comprising: a hollow air-tight body; an electric battery firmly anchored within said body; a bulb carrier pivotally mounted adjacent the contact end of the battery; an electric light bulb supported by the carrier in a position to be swung into and out of circuit making contact with the battery; and



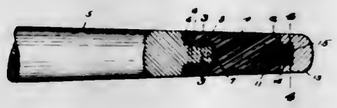
frictional means for stabilizing the carrier to prevent teetering, so long as the bulb is in circuit making contact with the battery.

2,544,969
METHOD OF MAKING TEAR-OFF CONTAINER CAPS
James E. Underwood, Phoenixville, Pa., assignor to The West Company, Phoenixville, Pa., a corporation of Pennsylvania
Application October 1, 1948, Serial No. 52,265
2 Claims. (Cl. 113—121)



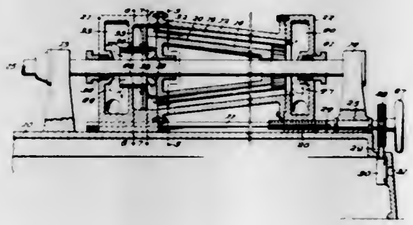
1. In the manufacture of a tear-off container cap of the type comprising a top portion, a removable tab forming a central part of said top portion and joined thereto by a hinged portion, and an integral annular flange depending from said top portion, and in which removal of the cap involves the raising of the tab and the pulling of the same from the hinge portion across the top of the cap and down the depending flange thereof, the method which comprises forming in a flat sheet of soft metal groups of score lines within circular portions of the sheet from which the caps are to be formed, each group comprising a pair of spaced score lines which diverge outwardly toward the periphery of each of said circular portions on opposite sides of a true radial line extending from the center of each circular portion, each of said spaced score lines terminating just short of said periphery and short of the center of each circular portion, and stamping and forming from each prescored circular portion a cap structure of the type defined and including a central tab portion and a depending flange with the hinge portion of the tab defined by the inner ends of the pair of score lines, the stamping and forming operation resulting in a flow of metal in the depending flange portion of the cap which causes the previously diverging score lines on that portion of the circular portion from which said depending flange is formed, to converge downwardly from the top toward the bottom of said flange to form a truncated V-shaped tear off portion on said flange which terminates just short of the lower edge of said flange.

2,544,970
PROCESS FOR MAKING DETACHABLE CUE TIPS
Edward R. Watson, Youngstown, Ohio
Application July 19, 1948, Serial No. 39,389
1 Claim. (Cl. 273—70)



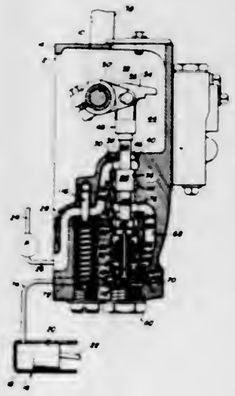
The process of providing a detachable tip construction for cue sticks that includes the steps first of forming an integral axial tenon upon the end of a wooden cue; positioning said tenon in a tip mold having therein plastic material in a fluid state until the plastic material hardens around and is bonded to said tenon; molding into said plastic material while it is still in its fluid state a threaded recess; embedding in a leather shock tip a threaded plastic stud; and finally threading said stud into the threaded recess until the leather shock tip is compressed against the plastic material.

2,544,971
PAPER STOCK REFINING MACHINE
Harold Donald Wells, Glens Falls, N. Y.
Application September 17, 1947, Serial No. 774,552
6 Claims. (Cl. 92—27)



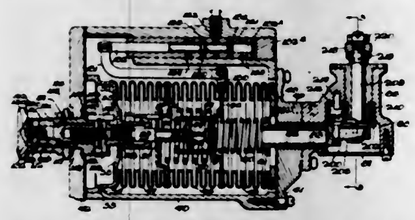
1. A Jordan comprising an elongated internally ribbed tapered shell provided with a stock outlet at one end; a closure for the other end of said shell, said closure having an inner cylindrical cup-like chamber axially alined with said shell and directly communicating with said other end of the latter, said closure also having an outer chamber provided with a stock inlet and having a partition between said inner and outer chambers, said partition being disposed in a plane at a right angle to the axis of said shell and having an opening of circular outline axially alined with said shell; a rotatably mounted shaft coaxial with said shell and extending through the latter and said closure; a peripherally ribbed tapered plug secured to said shaft within said shell; a cylindrical stock-conducting sleeve extending slidably and rotatably through said opening of said partition, said sleeve having its outer surface in slidable and rotatable engagement with the walls of said opening to provide a seal between the two chambers to cause the stock to pass through said sleeve from the outer chamber to the inner chamber, the inner end of said sleeve having an annular peripheral flange within said inner chamber, said flange being disposed in spaced relation with said partition and the adjacent end of said plug and having its outer edge rotatably and slidably engaging the side wall of said inner chamber to provide a seal between the portions of the inner chamber on opposite sides of said flange; radially delivering impeller blades in the space between said plug and said flange for radially moving the stock from the inner end of said sleeve and feeding it longitudinally between the shell and plug, said impeller blades being connected with said flange and said plug and tying said flange, sleeve, and plug together for rotation as a single unit; means rotatable with said flange for throwing the stock in the space between said partition and said flange toward said seals; and adjusting means for relatively moving said plug and shell axially to vary the peripheral space between said plug and shell.

2,544,972
VALVE MECHANISM FOR HYDRAULIC UNITS
Wayne H. Worthington and Emil F. Jirsa, Waterloo, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Original application August 4, 1944, Serial No. 548,086, now Patent No. 2,462,246, dated February 22, 1949. Divided and this application February 14, 1949, Serial No. 76,242
8 Claims. (Cl. 277—53)



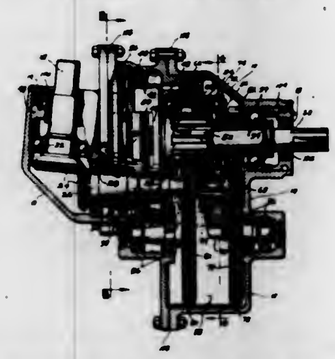
1. A valve mechanism for a hydraulic power unit including a casing formed with a high pressure fluid passage having a fluid discharge port at its terminal end and a fluid port intermediate its ends, said mechanism including a reciprocally movable by-pass valve for controlling the flow of fluid through said discharge port, a check valve for controlling the flow of fluid through said intermediate port arranged in coaxial alignment with said by-pass valve, said check valve including a pair of cooperating valve members relatively arranged and constructed to close said intermediate port, with one of said valve members adapted to be opened relative to the second one of said valve members to partially open said intermediate port, means acting on said one valve member to yieldably maintain said two valve members in closed positions, and means on said check valve engageable with said by-pass valve, on movement of said by-pass valve in one direction to open said discharge port, such that said one valve member is opened prior to any opening movement of said second valve member.

2,544,973
REGULATOR
Howard A. Alexanderson, Wood-Ridge, and Henry C. Nette, Rutherford, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 18, 1944, Serial No. 564,092
10 Claims. (Cl. 137—153)



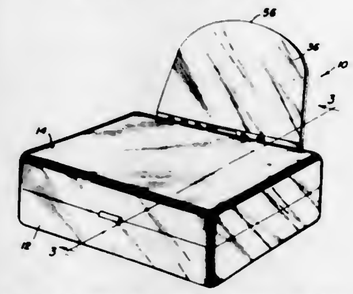
1. A regulator for an engine of an aircraft comprising, in combination, a first member responsive to a first condition, a second member responsive to a second condition, spring biasing means interposed between said first and second members for biasing said members in opposite directions, control means operated by said first member in response to said first condition, said second member adjusting the biasing force of said spring means in response to said second condition for varying the datum of said first member, and other means for adjusting the datum of said first member, said other means including second spring means for counteracting the biasing force of said first mentioned spring means, roller bearing means adjustably positioned for varying the force exerted by said second spring means and means to connect said roller bearing means for operation from a cabin of the aircraft.

2,544,974
ROTATIONAL LIMIT SHAFT COUPLING MECHANISM
Roy H. Anderson, Bellevue, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application May 2, 1949, Serial No. 90,961
11 Claims. (Cl. 74—762)



1. In combination a first shaft, a second shaft having an established rotational range, power transfer means having an input element rotated by said second shaft, an output element connected to rotate said first shaft, and selective rotation transmission means connected between said input and output elements and having a rotatable transmission control element operable, when locked against rotation, to condition said transmission means for rotation of said output element by said input element, and, when released for rotation, to interrupt transmission of rotation from said input element to said output element, and means automatically responsive to rotational positioning of said second shaft, and including a lock element cooperating with said selective transmission means control element to lock the same against rotation automatically for all positions of said second shaft throughout a predetermined fractional portion of its rotative range, and further including a separate lock element cooperating with said first shaft and actuated to lock said first shaft against rotation automatically for all positions of said second shaft throughout the complemental portion of its rotative range.

2,544,975
CONTAINER WITH DISPLAY PANEL
Carl G. Berger, Cincinnati, Ohio
Application October 5, 1948, Serial No. 52,825
2 Claims. (Cl. 206—44)

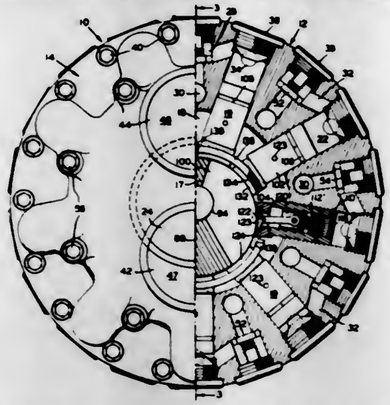


1. In a container, a cover having a flat edge wall, a strap secured to said wall in spaced relation, a plurality of blocks secured between said wall and said strap and separating the space between said wall and said strap into a plurality of open pockets, said blocks having undercut lower edges, and a panel separably attachable to said cover and provided at one edge thereof with a plurality of L-shaped detents including laterally extending upper edges, said detents being insertable in said pockets and said laterally extending upper edges thereof being engageable with the undercut lower edges of said blocks to lock said panel in position on said cover.

2,544,976
PUMP
James E. Bevins, Ramsey Estates, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 21, 1946, Serial No. 678,481
11 Claims. (Cl. 103—174)

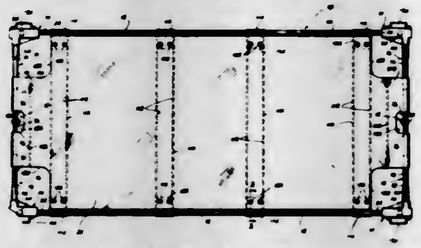
1. A pump comprising a pump casing including a body having an inner chamber open at one end, a plurality of radial cylinder disposed about and open to the chamber, a wall closing the opposite end of the chamber, valve chambers for a fluid to be pumped, each of said valve chambers being disposed between two of the cylinders and having a local inlet from the other side of said closed end and a local duct to a next adjacent corresponding one of the two cylinders, and a local outlet from each of the cylinders for the fluid to said outer side, means closing the outer ends of the cylinders and valve chambers, an end member secured to said body over said closed end having a main inlet and a main outlet for the

fluid, a portion cooperating with said wall to provide a manifold between said main inlet and said local inlets, an outlet valve chamber for each of said local outlets, and a manifold between the main outlet and each of the outlet valve chambers, a valve in each of the local inlet and outlet valve chambers, an end element secured to said open end, a rotor in the casing journaled in said wall and in said element and adapted to be driven from outside the casing and including an eccentric cam in said inner chamber having an opening for passing another fluid from the latter chamber, and a piston unit in each of the cylinders having an apertured shoe on the cam



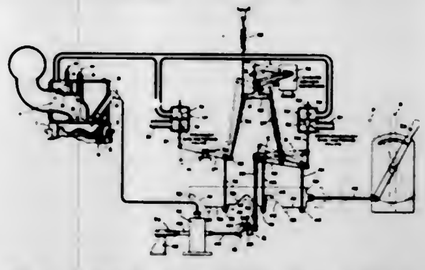
and adapted to pump said first fluid and to seal the unit against leakage thereof past the unit from its pumping side to its opposite side through clearance between the unit and its cylinder wall, the unit including a plurality of piston elements movable together to pump said first fluid and having relative pumping action dependent upon the pressure of said first fluid to force said second fluid from said inner chamber through the cam opening and the shoe to position between the piston elements sealing said clearance at a pressure relative to the pumping pressure of said first fluid preventing the passage of any substantial amount of either fluid through said clearance.

2,544,977
COLLAPSIBLE CARRIER
George K. Blank, De Soto, Mo.
Application August 15, 1946, Serial No. 690,763
11 Claims. (Cl. 5—82)



1. In a device of the kind described, in combination, a frame, flexible supporting means connected to and supported by said frame, said frame including telescoping members adapted to be telescoped to reduce the frame width and to be extended to increase the frame width, each telescopic member being collapsible to substantially one-half length, and means for pivoting said frame about a longitudinal center line to place in contiguous relation the two halves thereof.

2,544,978
MULTIPLE FUEL INTERNAL-COMBUSTION ENGINE
William J. Blessing, Buffalo, and Roy R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application January 18, 1949, Serial No. 71,478
14 Claims. (Cl. 123—27)



1. In a multiple fuel engine of the internal combustion type, the combination, of a cylinder having a combustion chamber, means for delivering oil fuel to said combustion chamber, means for delivering a primary gas fuel to the combustion chamber, means for delivering a supplementary gas fuel to said combustion chamber, manually operable means whereby said oil and gas delivering means may be set to admit only oil to the combustion chamber for operation of the engine as a fuel injection compression ignition engine or, to admit gas fuel for operation of the engine as an oil ignition high compression gas engine, a valve for controlling delivery of primary gas fuel to the combustion chamber, a valve for controlling delivery of supplemental gas fuel to the combustion chamber, an engine driven governor, and means connecting said governor and said valves for automatically operating the valves to control delivery of gas fuel to the combustion chamber, said last-named means including a series of levers and links connected and arranged so that said supplementary gas delivery control valve will be open only in degrees to deliver supplementary gas in amounts sufficient to supplement deficiencies in available primary gas, a fuel pump for delivering oil fuel to the combustion chamber, a lever for adjusting said fuel pump to deliver oil fuel to the combustion chamber in sufficient quantity for operation of the engine as a fuel injection compression engine or to deliver a minimum quantity of oil fuel to the combustion chamber for ignition of gas fuel during operation of the engine as an oil ignition high compression engine.

2,544,979
APPARATUS FOR ORIENTING TOOLS IN WELL BORES
Charles A. Brokaw, Dallas, and William G. James, Houston, Tex., assignors to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application October 20, 1947, Serial No. 780,930
14 Claims. (Cl. 255—1.6)

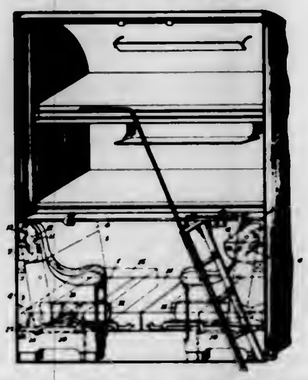
1. An orienting apparatus for well tools including, a hollow drill pipe, a tool carried by said drill pipe and disposed in a predetermined

position in a vertical plane relative thereto, magnetic means mounted in a drill pipe in a predetermined horizontal plane, a second magnetic means mounted in the drill pipe above the first magnetic means, an instrument adapted to occupy a final longitudinal position in the drill pipe and having a rotatable record element which is magnetized so as to be subject to magnetic influence, means for recording the angular position of the low side of the well bore on said element, and magnetic actuating means for controlling operation of the recording means, move-



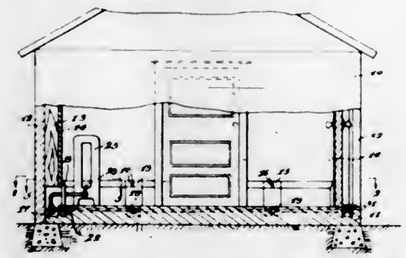
ment of the instrument into its final longitudinal position within the drill pipe moving the magnetized rotatable element into the field of influence of the first magnetic means in the drill pipe and also moving the magnetic actuating means into the field of influence of the second magnetic means in said pipe, whereby the rotatable record element assumes a predetermined position with respect to the drill pipe and the magnetic actuating means is operated to actuate the recording means to thereby record the position of the low side of the well bore relative to the drill pipe and tool carried thereby.

2,544,980
SEAT AND BERTH CONSTRUCTION
William R. Brown, Cleveland, Ohio
Application December 28, 1946, Serial No. 718,984
4 Claims. (Cl. 155—6)



1. A convertible seat and bed construction for vehicles comprising vehicle sections having opposed end walls, opposed frame members extending inwardly of said end walls, a back rest cushion pivotally mounted on each end wall, a supporting member carried by each of said frame members, an arm pivotally carried at one end on each of said end walls and adapted to engage and rest upon one of said supporting members, a seat cushion adjacent each of said back rests, and means connecting said respective seat cushions with said respective arms whereby said cushions may be reversed and brought into aligned substantially abutting relation and supported on said respective supporting members, said back rest cushions being movable about their respective axes to a position in aligned substantially abutting relation with the respective reversed seat cushions whereby to convert the same into a sleeping bed or mattress between said end walls.

2,544,981
HEATING SYSTEM
Leslie A. Buell, Holly, Mich.
Application September 19, 1947, Serial No. 775,035
2 Claims. (Cl. 237—56)



2. A heating system for houses comprising, in combination, a wall, furring upon the inner side of said wall, plasterboard upon said furring, a mopboard extending downwardly from the lower edge of said plasterboard, a floor having a trough underlying the furring, plasterboard and mopboard, radiator supply pipes in said trough, union joints in said supply pipe, said floor having cutaway portions communicating with the trough adjacent the unions and the cutaway portions being provided with vertical sides, a relatively large angularly extending bottom and a relatively small angularly and oppositely extending shoulder connected with the bottom at the trough end thereof, and blocks removably mounted in said cutaway portions, said blocks when seated in said portions completing the cross sectional silhouette of said floor and trough.

2,544,982
WHIPSTOCK
Ralph Buttolph, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application November 14, 1946, Serial No. 709,711
5 Claims. (Cl. 255—1.6)

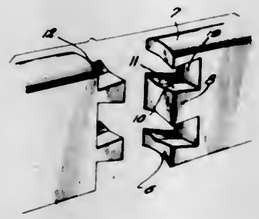
5. A whipstock including, an elongate body which is generally arcuate in cross-section, a collar secured to the upper end of the body, a straight wall section arcuate in the cross-section immediately below the collar at the upper end of the body, that portion of the body below said straight section being wedge-shaped with an inclined guide surface extending longitudinally along one side thereof, the outer surface of the wedge-shaped portion being curved with said curvature being formed on radii which progres-

sively decrease toward the lower end of the body, the center points of the progressively decreasing radii being located on transverse planes spaced vertically from each other along the longitudinal axis of the body from top to bottom thereof and also being located along a longitudinal plane which intersects the longitudinal axis of the body and the center of the curvature on the outer sur-



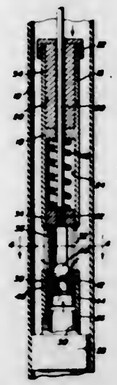
face of the body, with said center points of the decreasing radii being disposed in spaced relationship to each other outwardly from the center of the body and with the center point for the smallest radius being farthest from the axis of the body, the distance between the center of the curvature on the outer surface of the body and the longitudinal axis of the body remaining constant throughout the length of the body.

2,544,983
INTERLOCKING BUILDING SLAB
Eugene L. Davis, Alloway, N. J.
Application November 7, 1946, Serial No. 708,319
1 Claim. (Cl. 72—38)



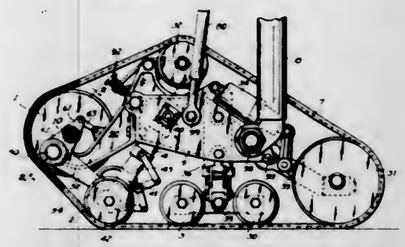
An interlocking connection for wall units comprising dovetailed interlocking tenons at the meeting ends of a pair of the units, the opposed sides of said tenons being spaced from each other when in interlocking position, and the opposed sides of said tenons having longitudinal valleys at the centers thereof to form a chamber between adjacent tenons tapering toward opposite sides of a wall, and a bonding agent positioned in said chambers to form centrally enlarged locking keys between the tenons.

2,544,984
WELL SWAB
Jerome M. Donzis, San Antonio, Tex.
Application December 12, 1949, Serial No. 132,525
6 Claims. (Cl. 103—225)



1. A well swab comprising a body, an inner cage slidable in said body, a swabbing rod supporting said inner cage, resilient means yieldingly supporting said body on said inner cage, a swab head secured to the lower end of the body, a liquid passage through said swab head and body, a non-return valve assembly in said inner cage controlling said passage, said inner cage and body having registering slots forming part of said passage, said inner cage being slidable upon predetermined loads upon said swab to uncover the slots in said body whereby free communication through said passage to both sides of said swab is established.

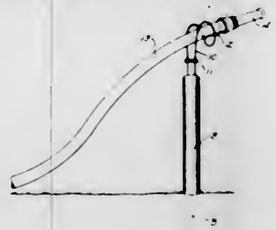
2,544,985
TRACK-TYPE LANDING GEAR
George T. Drakeley and Donald W. Finlay, Seattle, Wash., assignors to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application July 11, 1949, Serial No. 104,051
10 Claims. (Cl. 244—100)



7. A track-type landing gear comprising an endless track band, a frame, a front bogie wheel, a braking wheel ahead thereof and elevated thereabove, a rear wheel, additional bogie wheels intermediate the front bogie wheel and the rear wheel, an upper wheel supported from the frame, resiliently yieldable means supporting all wheels except the upper wheel from the frame and arranged in a pattern, including the upper wheel, to receive and guide said track band and to maintain it, between the front bogie wheel and the rear wheel, in ground contact while the landing gear is ground-borne; a support carried by and for movement relative to the frame, and constituting the immediate support of said braking

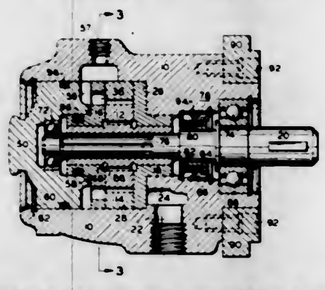
wheel, said support being operatively connected for movement with the front bogie wheel, relative to the frame; brake reaction means carried by said support and anchored to said frame; and brake means reacting between said brake reaction means and said braking wheel.

2,544,986
GARDEN HOSE HOLDER
Philip A. Dyer and Robert J. Dummer, La Crosse, Wis.
Application November 17, 1949, Serial No. 127,836
5 Claims. (Cl. 248—76)



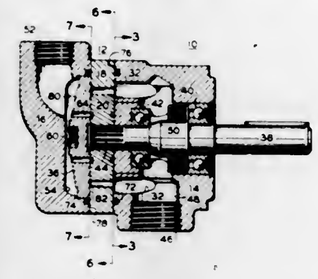
1. A hose support, comprising a body member having ground engaging means at one end, a resilient clamp member supported on and projecting from the other end portion of said body member, said clamp member being of curved, bifurcated formation whereby the nozzle end portion of a hose may be releasably impinged between the bifurcated portions of the clamp member, and a hose supporting and positioning clasp adjustably movable on and carried directly by the curved portion of said clamp member.

2,544,987
POWER TRANSMISSION
Duncan B. Gardiner, Detroit, Ernst F. Klessig, Berkeley, and John F. Jeannin, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 4, 1947, Serial No. 720,142
12 Claims. (Cl. 103—135)



1. A rotary vane pump comprising a body provided with external inlet and outlet connections and having a cylindrical receiving recess, a rotary pumping unit of cylindrical form slidably positioned in said recess and including a vane carrying rotor circumscribed by a cam ring, two bushings, one on each side of the ring and rotor, inlet ports in one bushing and outlet ports in the other bushing, a groove in the end of the recess connected to one of the external body connections and adapted to communicate with the ports in the adjacent bushing, an end cap in the opposite end of the recess adjacent the other bushing but axially separated therefrom to form with the body a combined outlet duct and pressure chamber in communication with the ports in that bushing and also with the other external body connection whereby fluid delivered through said chamber urges the component parts of the pumping unit into compact engagement with each other and against the opposite end of the recess.

2,544,988
POWER TRANSMISSION
Duncan B. Gardiner, Detroit, Ernst F. Klessig, Berkley, and Adolf Keel, Highland Park, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 12, 1949, Serial No. 81,146
11 Claims. (Cl. 103—135)



3. In a rotary vane pump, the combination of a housing having a pumping recess, a slotted rotor carrying a plurality of substantially radially movable vanes and mounted in the recess to form a fluid intake zone and a fluid delivery zone through which the vanes move as the rotor turns, an inlet passage and an outlet passage in the housing respectively connected to the fluid inlet zone and the fluid delivery zone, means forming a rigid abutment at one side of the rotor, an elastic, deflectable cheek plate floatably mounted in the recess immediately adjacent the other side of rotor, porting means connecting the fluid delivery zone to the recess on the side of the cheek plate opposite to that facing the rotor, and a rigid shoulder supporting the outer peripheral portion of the cheek plate against the fluid pressure force on said opposite side and forming a running clearance between the rotor and the unsupported surface of the cheek plate facing the rotor, said unsupported surface of the cheek plate being deflected towards the rotor for reducing the running clearance in response to increases of delivery pressure of the pump.

2,544,989
COLLAPSIBLE SAWHORSE
Emanuel S. Garibaldi, Stockton, Calif.
Application October 7, 1946, Serial No. 701,694
1 Claim. (Cl. 304—5)

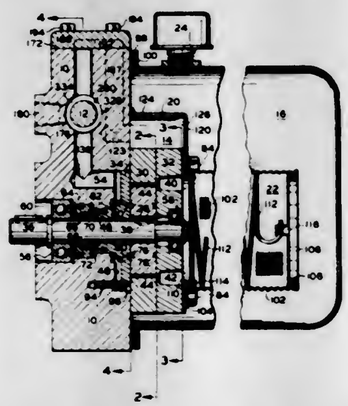
A sawhorse comprising a top rail having a substantially V-shaped under surface, a pair of angle irons adjacent each end of the rail, a pair of angle irons adjacent each of the first pairs of irons but spaced therefrom longitudinally of the rail, the irons of each of the pairs being spaced apart transversely of the rail and one face of each iron being secured to an adjacent inclined under face of the V-shaped surface of the rail whereby the other faces of the angle irons on

one side of the rail diverge outwardly relative to corresponding faces of those irons on the opposite side of the rail, a leg unit at each end of the rail, each such unit consisting of a pair of legs pivotally connected at their upper ends to one of the first named pairs of angle irons, brace elements pivoted to the legs and detachably connected to the adjacent pair of angle irons, a



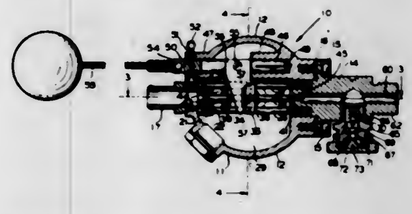
headed stud fixed to one of such legs adjacent its lower end, a rail pivoted at one end to the other of said legs adjacent its lower end, and an upwardly opening slot in the rail at its other end, such slot being engageable with the last named stud, the lower edge of the rail lying in substantially the same horizontal plane as the lower ends of the legs when the slot is engaged with the stud.

2,544,990
POWER TRANSMISSION
Ferris T. Harrington and Joseph A. Martin, Detroit, Gordon R. Elliott, Ferndale, and Leslie W. Haisen, Royal Oak, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 4, 1947, Serial No. 720,274
10 Claims. (Cl. 60—52)



6. A hydraulic power pack unit comprising a body housing a pump and a directional valve therein for controlling a fluid utilizing device, a mounting surface on the housing, a plurality of passages extending from the directional control valve to the mounting surface, a second valve body attached to the mounting surface for controlling a second fluid utilizing device, a plurality of passages extending through the second valve body and contiguous with the passages in the body housing.

2,544,991
PRESSURE BREATHING REGULATOR
Bradford B. Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 8, 1945, Serial No. 627,375
7 Claims. (Cl. 128—141)



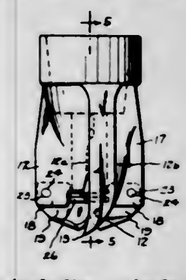
3. Emergency respiratory apparatus for use with a breathing mask and a flask containing a respiratory gas under pressure comprising, a casing, a pressure responsive membrane forming one side of said casing, an inlet for said casing having means for affixing thereto a flask and an outlet for said casing having means for affixing thereto a hoseline connected to a breathing mask; a valve seat formed within said inlet, a toggle mechanism within said casing actuated by said membrane, one end of said mechanism being the valve for said valve seat whereby said inlet is closed and opened upon actuation by said membrane, a pressure responsive member actuated by the ambient pressure coacting with said membrane to open said inlet upon a reduction in ambient pressure, a member fixed to said inlet having an annulus registering with said inlet, and a check valve within said annulus whereby the gas supply of the affixed flask may be replenished, said check valve preventing pressure leakage through said annulus.

2,544,992
GAME APPARATUS, INCLUDING MECHANICAL PROJECTOR
James C. Jackson, New Orleans, La.
Application June 20, 1946, Serial No. 677,977
1 Claim. (Cl. 273—122)



In a game apparatus including a bed, means mounted adjacent one end of said bed for supporting a cue ball, means mounted on said bed adjacent said one end thereof for confining a cue ball to a limited area of the bed, means mounted on the bed intermediate the ends thereof and adjacent the cue ball confining means for supporting a scoring ball in position to be struck by a cue ball confined within the cue ball confining means, a support arm disposed beneath the bed, a pivot pin securing the arm to said bed directly beneath a cue ball supported by said first mentioned means, a pair of guide brackets projecting upwardly from said arm and being spaced along the arm, said bed having a pair of arcuate slots therein slidably receiving said brackets, and a spring urged plunger slidably mounted on said brackets and disposed above the bed for urging a cue ball supported on said first mentioned means toward a scoring ball.

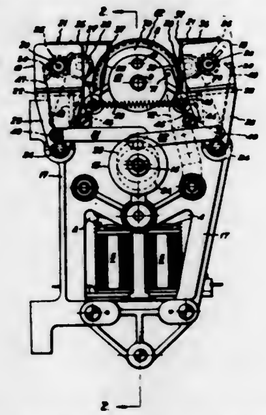
2,544,993
DRILL BIT
John Gordon Jackson, Denver, Colo., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application May 19, 1947, Serial No. 748,927
10 Claims. (Cl. 255—72)



1. A drill bit including, a body having an axial bore extending therethrough, main cutting blades on the exterior of said body, circulating passages extending from the bore of the body to the blades, whereby fluid circulated downwardly through the bore may flow through said passages and onto the blades to lubricate and wash the same, core-breaking blades pivotally mounted on the lower portion of the body and arranged to swing inwardly beneath the open lower end of the bore, and means on said core-breaking blades for establishing a wall area across the open end of the bore substantially equal to the cross sectional area of the bore and thereby restrict the flow of fluid through the bore when said blades are in their inner positions, whereby a back pressure is built up within the bore and fluid is forcibly ejected under relatively high velocity through the circulating passages onto the main cutting blades to assure efficient lubrication and washing thereof.

2,544,994
TOTALIZATOR COUNTER STRUCTURE
Awdry Francis Julius, Sydney, New South Wales, Australia, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application July 30, 1948, Serial No. 41,574
4 Claims. (Cl. 235—92)

1. In a race totalizator adding unit having a frame, a main counter wheel rotatably mounted in said frame and drive mechanisms connected to said counter wheel for rotating same in correspondence with the count to be recorded, two brackets pivoted on said frame, two counters each including an operating shaft with a drive pinion thereon respectively mounted on said brackets, a tension spring connected to both brackets and biasing same toward each other and with the drive pinions of the counters thereon into operative connection with the main counter wheel, follower arms respectively connected to said brackets, and a cam rotatably mounted in said frame and having identical lobes displaced by



180 degrees engaged respectively by said follower arms.

2,544,995
PARACHUTE HARNESS COUPLING DEVICE AND SAFETY CLIP THEREFOR
Chester C. Kajdan, Buffalo, N. Y., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y., a corporation
Application September 13, 1945, Serial No. 616,041
2 Claims. (Cl. 24—211)

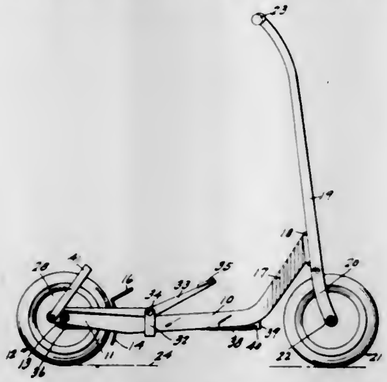


1. In combination with a parachute coupling device including a body having fastener means associated therewith and control means for the fastener means including a plunger having a depressible head connected therewith normally spaced from the body when the fastener means is in operative position for harness coupling purposes, a safety device for disposition in said space to prevent depression of said depressible member and said plunger including a pair of resilient arms normally urged toward each other for gripping said plunger when within said space, said arms being laterally extended for such distance in relation to said space and the dimensions of the body of the coupling whereby to substantially eject all debris from said space as an incident of withdrawal of the spacing device to permit depression of said depressible member and release of the fastening means.

2,544,996
REAR WHEEL DRIVE FOR SCOOTERS AND THE LIKE
Rudolf M. H. Kander, Kansas City, Mo.
Application July 7, 1947, Serial No. 759,315
1 Claim. (Cl. 280—251)

A rear drive wheel for a scooter or the like having a rear yoke, comprising; an axial hub integral within said drive wheel and having a first axial bore at one end and terminating in a counterbore at the other end to form a clutch

chamber, and a cover plate for said clutch chamber and provided with a second axial bore; a clutch cam having a first axial hub rotatable in said second axial bore and continuing with a hub extension of lesser diameter having a sprocket fixedly mounted thereon, and with said cover plate rotatable between said sprocket and said clutch cam for retention against relative axial movement; said clutch cam and its first axial hub and hub extension having a third axial bore



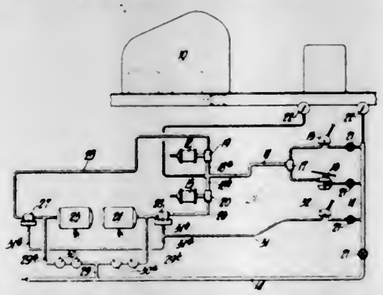
formed therethrough; a sleeve rotatable in said first bore and extending from said clutch cam to a point beyond said one end to form a bearing, and an axle including a nut for each end for securing to the respective legs of the yoke; said clutch cam being freely rotatable on said axle, and releasable gripping members cooperative between said clutch cam and the inner periphery of said clutch chamber.

2,544,997

ACTUATING SYSTEM FOR AIR-BRAKE MECHANISM

Charles J. Keim, Oil City, Pa., August R. Maier, Dallas, Tex., and Alexander Quayle, Oil City, Pa., assignors to Oil Well Supply Company, a corporation of New Jersey

Application January 25, 1949, Serial No. 72,672
6 Claims. (Cl. 188—151)

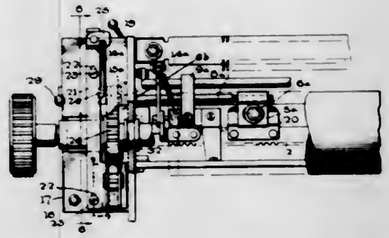


1. In an air brake mechanism which includes a pair of braking devices and a pair of cylinders operatively connected with said braking devices so that actuation of the cylinders actuates the braking devices, a system for normal and emergency actuation of said cylinders comprising a main source of compressed air, a pair of double check valves each having a pair of inlets and an outlet, the outlet of each of said double check valves being connected to the inlet of a different one of said cylinders, a line connected to said main source and having branches connected to one of the inlets of each of said double check valves, valve means controlling flow of air in said line and thereby controlling normal actuation of said cylinders, a pair of emergency sources of compressed air, lines connecting said emergency sources to the other inlets of said double check valves, and means releasing air from said emergency sources to said cylinders on loss of pressure in said main source, said double check valves preventing air from said emergency sources going elsewhere than to its own cylinder.

2,544,998

ATTACHMENT FOR TYPEWRITERS OR LIKE PRINTING MECHANISMS FOR PRODUCING OFFSETTING OF PRINTED IMPRESSIONS

Michael Kissell, Washington, D. C.
Application April 3, 1947, Serial No. 739,040
12 Claims. (Cl. 197—84)



1. In apparatus of the type described, the combination of a work sheet supporting unit for holding a work sheet in normal position for printing impressions thereon comprising a shiftable carriage frame, a platen mounted on said carriage frame and fixed against longitudinal movement relative to the carriage frame, whereby to permit printing of impressions uniformly spaced relative to each other on said work sheet while in said normal position, and a single means for bodily displacing said carriage frame and platen longitudinally and the platen angularly slightly from the normal printing position aforesaid to permit reprinting of certain of said impressions at correspondingly uniform spaced relations to the original printed impressions made in the normal position, but out of register therewith to thereby consistently offset the reprinted impressions for "bold-facing" the impressions.

2,544,999

METHOD OF PRODUCING VANILLIN

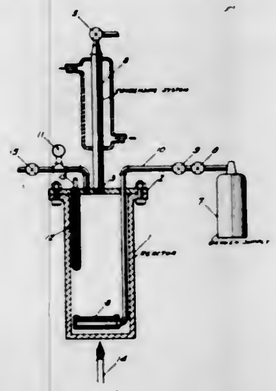
Harry Borden Marshall, Toronto, Ontario, and Charles Alfred Sankey, St. Catherines, Ontario, Canada, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada

Original application July 23, 1945, Serial No. 606,690. Divided and this application August 8, 1947, Serial No. 767,626. In Canada July 9, 1945

5 Claims. (Cl. 260—600)

1. A method of producing vanillin which comprises introducing waste sulfite liquor into a reaction zone, introducing caustic soda into said reaction zone in an amount equivalent to not less than 75 grams per liter of said liquor, heating the reaction mixture to a temperature in the range of above 170° to not more than 200° C., maintaining said zone under super atmospheric pressure, continuously passing an oxygen-containing

gas in finely dispersed form through said liquor, continuously removing unreacted gas, the rate of addition and removal of said gas being such as to maintain a partial pressure of oxygen in said zone of less than 20 pounds per square inch, said

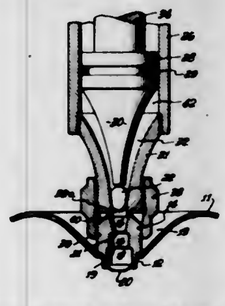


partial pressure being lower with higher temperatures and in no case being above 10 pounds per square inch at temperatures of 175° C.–200° C., the time of said reaction being less than about four hours.

2,545,000

VALVE AND FITTING

Earnest E. Martin, Redondo Beach, Calif., assignor to Ralph Walsh, Los Angeles, Calif.
Application November 20, 1944, Serial No. 564,352
4 Claims. (Cl. 251—121)

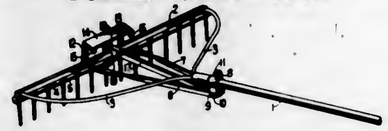


4. A closure device comprising a tubular body containing a rigid wall bore of substantially uniform diameter, a substantially 90 degree annular shoulder at one end of the bore, and an elastic deformable spherical closure formed of solid material throughout and receivable within said bore and engageable against said shoulder, the closure when unstressed having a diameter greater than the diameter of said bore so that the closure is radially compressed and deformed when received within the bore to effect a primary seal by engagement with the bore wall, the closure also when seated against the shoulder being deformable only by fluid pressure applied to the closure into the space at the juncture of said shoulder and the bore, said deformation becoming greater and said seal therefore becoming more effective as fluid pressure forcing the closure against said shoulder is increased, thereby causing increasing resistance to the tendency of high fluid pressure to force the closure through said shoulder.

2,545,001

SELF-CLEANING RAKE

Frank F. Mattmann, North Bergen, N. J.
Application March 9, 1950, Serial No. 148,642
4 Claims. (Cl. 56—400.08)

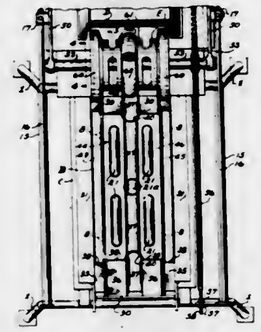


4. A rake tooth cleaner comprising an elongated rake cleaning bar having apertures to accommodate rake teeth, clamping means constructed to clamp about a rake handle, two metal arm bars, means securing one end of each metal arm bar to said clamping means, means securing the metal arm bars to spaced points of the rake cleaning bar, a guard secured to an edge of the rake cleaning bar and extending in a direction substantially at right angles to the metal arm bars and a coiled spring having its ends secured respectively to the metal arm bars.

2,545,002

MACHINE FOR MOLDING CONCRETE BLOCKS

Leslie C. Miller, Macedonia, Ohio
Application November 23, 1949, Serial No. 129,081
6 Claims. (Cl. 25—41)



1. A machine for making moist molded articles comprising a vertical mold box, vertical cores projecting upwardly in said box, and a pallet substantially closing the bottom of the box and surrounding the cores for limited lateral movement relative thereto, said pallet having outwardly extending horizontal side flanges, a central portion disposed in a plane above said flanges and a longitudinally extending, transversely curved rib projecting above said central portion, the central portion projecting beyond both ends of said rib and stopping short of both ends of the flanges, the ends of the box having inner vertical faces conforming to and interfitting with the ends of said pallet and means for reciprocating said box and cores relatively and horizontally in opposite diagonal directions.

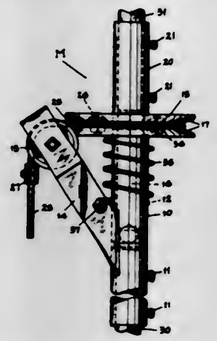
2,545,003

MECHANISM FOR ANTENNA TUNING

William J. Miller, Toledo, Ohio, assignor of one-half to Julius D. Stone
Application December 3, 1949, Serial No. 131,023
2 Claims. (Cl. 74—501)

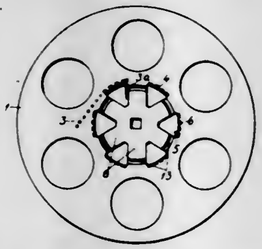
1. A mechanism for moving a radio-video antenna angularly in a horizontal plane thereby

to focus the antenna for reception of a broadcast signal comprising the combination of a pair of elongated vertically extending strut parts, one of which is adapted to be connected to an antenna and the other of which is adapted to be fixed against movement; a reel; bearing means in engagement with the reel adapted to rotatably support the same; means extending from said bearing means and having manually operable parts adapted for removably connecting the



bearing means to the upper end of the fixed strut part, whereby the reel will be rotatably mounted on the upper end of the fixed strut part, a line connected to said reel and passing around the periphery thereof, the reel having connector means including manually operable parts adapted for removably connecting the reel to the lower end of the antenna connected strut part whereby the antenna will move angularly as the line is drawn from around the periphery of the reel.

2,545,004
FILM REEL
Ture Örtenblad and Bernhard A. Johansen, Goteborg, Sweden
Application November 23, 1948, Serial No. 61,548
In Sweden May 28, 1948
4 Claims. (Cl. 242—70)



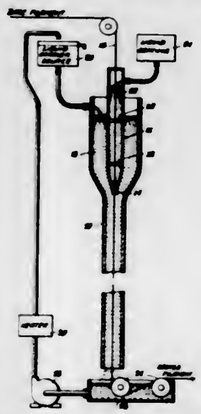
1. A film reel comprising two circular wheel disks, bridges between the disks holding them together and constituting a cylindrical winding path for a film band and leaving openings between the bridges, tongues pressed out of the disks, opposite tongues overlapping each other and being connected to each other in pairs constituting the bridges, locking means for the film band end inserted into one of the openings, said locking means formed by recesses between the disks adjacent to the cross edges of the bridges to bear against the surface of the film band end bent inwardly over the cross edge of the corresponding bridge.

2,545,005
CAMP BROILER
Warren O. Russell, Rangeley, Maine
Application March 3, 1949, Serial No. 79,499
3 Claims. (Cl. 99—402)



3. A broiler comprising two flat mesh members hinged together at the front and having handles extending rearwardly from said members, posts pivoted to the front corners of the broiler, and a plate extending substantially from side to side of the broiler adjacent the rear edge of said flat members and thence down to ground level to support the rear end of the broiler.

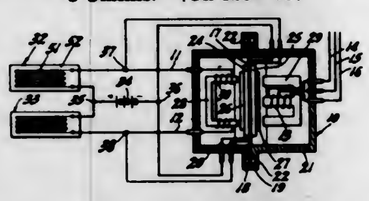
2,545,006
MEANS FOR COATING FILAMENTS
Albert Olen Ryan, Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn., a corporation of Delaware
Original application October 20, 1944, Serial No. 559,497. Divided and this application February 12, 1947, Serial No. 728,149
2 Claims. (Cl. 91—32)



1. Apparatus for coating filaments comprising, a tube having a coating hardening and shaping portion of small uniform cross section throughout its length to its exit end and having a cross sectional shape of approximately the cross sectional shape desired for the coated filament, means for continuously advancing a filament through said tube, means for flowing a coating liquid around said moving filament within said tube, and means for flowing another liquid through said tube and around said filament and its surrounding coating liquid, and means for controlling the flow rates of said coating liquid

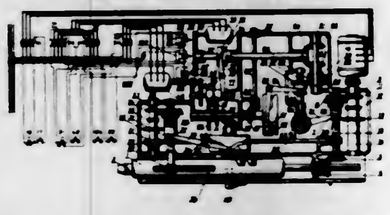
and said other liquid in relation to the cross sectional size of the tube to cause them to flow through the tube with viscous flow.

2,545,007
REGENERATIVE ELECTROMECHANICAL TRANSDUCER
Harry B. Schultheis, Jr., Pacoima, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 1, 1948, Serial No. 30,318
3 Claims. (Cl. 323—75)



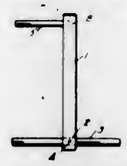
1. In combination, an electro-mechanical transducer having a mechanical element distortable in response to application of electric current to said transducer; a strain-responsive impedance device so associated with said mechanical element that distortion of the element strains said device to vary its impedance, and means responsive to said variation in impedance for applying to said transducer a current that increases the distortion of said element, said impedance device comprising a pair of strain-responsive elements oppositely mounted on said mechanical element whereby they are oppositely strained in response to any given distortion of said mechanical element, and said means comprises a Wheatstone bridge having said strain-responsive elements connected in opposing arms thereof.

2,545,008
MACHINE TOOL SPINDLE DRIVE AND FEED CONTROL DEVICE
Serge Senglet, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application December 12, 1945, Serial No. 634,589
In Switzerland December 22, 1944
3 Claims. (Cl. 74—325)



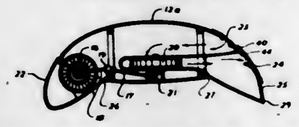
1. In a machine tool spindle drive and feed control device, a sleeve in which the machine tool spindle is revolvable, axial displacement means for said sleeve, a first gear box coupled operatively with said axial displacement means, said first gear box comprising a sliding gear and a driving shaft, rotary drive means for said spindle, a second gear-box coupled operatively with said rotary drive means, said second gear box comprising a sliding gear and a driven shaft, coupling gear between said driven shaft of second gear-box and said driving shaft of first gear-box, first and second cams intended to shift respectively first and second gear-box sliding gears, two Maltesian crosses each operatively connected with one of said cams, an axially movable pin-wheel cooperating alternatively with said Maltesian crosses, a first motor driving said pin-wheel, a second motor controlling the axial displacements of said pin-wheel, rotary indexes operatively connected with said cams, and contacting means controlling said motors.

2,545,009
BABY WALKING AND BALANCING DEVICE
Joseph Spiteri, Erie, Pa., assignor of one-half to C. Otto Birkland, Erie, Pa.
Application March 4, 1950, Serial No. 147,711
3 Claims. (Cl. 35—29)



1. A baby walking and balancing device comprising a vertically extending shaft, a cross bar extending outwardly from opposite sides thereof on one end thereof to be grasped by a baby, and arms extending outwardly from the other end of said shaft, one parallel to said cross bar and the other at right angles thereto to be grasped by the person teaching a child to walk.

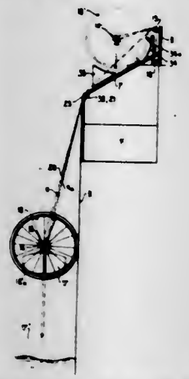
2,545,010
BOUNDARY LAYER CONTROL SYSTEM FOR AIRCRAFT WINGS
Edward A. Stalker, Bay City, Mich.
Application September 24, 1945, Serial No. 618,228
1 Claim. (Cl. 244—42)



In combination to form a wing, a wing main body, a nose flap, a tail flap, means for adjustably supporting said flaps on said main body to form a low camber wing when in raised high speed position, means to depress said nose and tail flaps to give the wing a high lift airfoil section having a mean camber maximum ordinate greater than 12 per cent of the subtending chord length, said high lift airfoil section having its maximum thickness substantially aft of the 40 per cent point of the wing chord, the pressure distribution over the upper wing surface being maintained at a relatively high value and substantially free of intermediate adverse pressure gradient over the rearward portion thereof for a range of high lift coefficients in which said wing requires boundary layer control to achieve such coefficients, means defining a through passage in said wing from the under to the upper surface thereof having a relatively narrow slot-like exit, said passage means having its entire exit in the upper surface of the wing ahead of both said maximum thickness ordinate and the maximum ordinate of the mean camber line to be in said favorable pressure gradient, said wing having a slot in its upper surface aft of the midpoint of the chord and in position to be effective with respect to said adverse pressure gradient, and

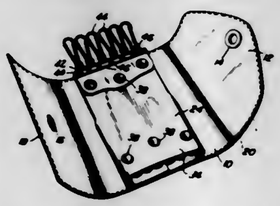
power means to induce a flow through said slot to control the boundary layer to cause the relative wind to follow the surface of the wing and to develop said high lift coefficients including a turbine within said passage adapted to utilize the flow of air therethrough, and a blower rotatably driven by said turbine for inducing the flow through said slot.

2,545,011
MEANS FOR LAUNCHING A SHIP'S LIFE-BOAT, RAFT, OR SIMILAR APPLIANCE
Adrianus Vreugdenhil, Amsterdam, Netherlands
Application March 10, 1949, Serial No. 80,733
4 Claims. (Cl. 9—42)



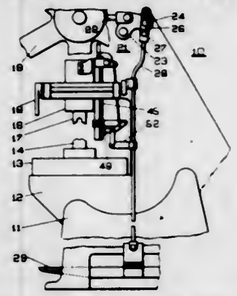
1. In an installation for handling a ship's life boat comprising a pair of outwardly inclined trackways forming part of the ship's structure and disposed athwartships, falls from which the boat is suspended, boat supporting members associated with the falls, a carriage adapted to run on said trackways and composed of two wheel sectors having a diameter exceeding the greatest width of the boat and interconnected by an axle having a length exceeding that of the boat, means supported by the axle and prevented from lengthwise movement relative thereto for guiding the falls about the axle, said means including elements for suspending the said boat supporting members therefrom, and means associated with said carriage for checking downward movement of the carriage independently of downward movement of the boat.

2,545,012
KEY CASE
Benjamin Wohl, Lancaster, Pa.
Application March 5, 1948, Serial No. 13,129
2 Claims. (Cl. 150—40)



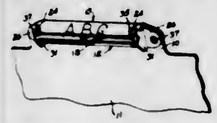
2. A key case comprising an outer foldable strip having fastening means adjacent opposite edges thereof to releasably retain said outer strip in a folded condition, an inner foldable substantially T-shaped strip having a central section and a pair of laterally projecting leaves, a key retaining device secured to said central section between said leaves, fastening means carried by said leaves releasably retaining said leaves in the folded condition covering at least a part of said key retaining device, means fastening said central section to said outer strip, and a second key retaining device secured to the surface of said central section remote from the surface of said central section contacting said outer strip.

2,545,013
SAFETY DEVICE FOR MACHINE OPERATORS
George Anderson, Jamestown, N. Y., assignor to Jamestown Safety Guard Corporation, Jamestown, N. Y., a corporation of New York
Application February 18, 1946, Serial No. 648,435
8 Claims. (Cl. 74—616)



1. In a machine of the class described, an operative member, latch means normally rendering said member inoperative, a work receiving area, a guard mounted to move into an operative position with respect to said area, operator actuatable means for moving said guard into operative position, means operably associating said operator actuatable means with said latch means, other means operable by said operator actuatable means to secure said guard in operative position, and further means effective to release said guard for return to inoperative position only when said member reaches an inoperative position and effective upon any subsequent movement of said member to return said guard to operative position.

2,545,014
MAGNIFYING INDEX TAB
Niels Yde Andersen, Snyder, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 17, 1947, Serial No. 741,985
9 Claims. (Cl. 40—23)



6. A magnifying index tab comprising a frame having a back section for attachment to the upper edge of a guide card, a front section extending from the upper edge of the back section in forwardly and downwardly inclined relation, a lens engaged over the front face of the front section, means securing the ends of said lens to said frame, said lens and front section being formed with complementary portions at the ends for co-

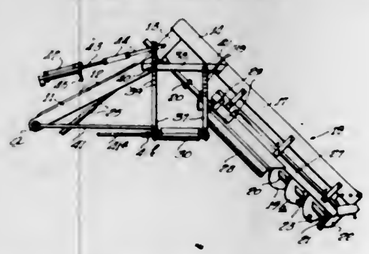
operation to space the rear face of the lens from the front section intermediate the ends to form an edge opening label receiving recess therebetween.

2,545,015
METHOD AND APPARATUS FOR LOADING THREAD ADVANCING ROLLS
Sydney Warren Barker, Colne, England, assignor to Lustrafil Limited, Nelson, England
Application December 8, 1947, Serial No. 790,286
In Great Britain December 17, 1946
7 Claims. (Cl. 28—71.5)



1. In a process for the continuous manufacture of thread, the method of conducting the thread initially along a pair of rotating rollers whose working surfaces are mutually inclined for storing and advancing the thread in a helical path about said rollers, which comprises attaching the on-coming thread to an endless belt of flexible material maintained permanently in position adjacent the thread-receiving ends of said rollers, allowing the on-coming thread to build up a wrap comprising a plurality of loops of said thread on said belt, moving said wrap off said belt onto said rollers and detaching it from said belt, allowing the wrap to traverse the length of said rollers carrying with it the on-coming thread, and at the end of the traverse severing the wrap and removing it from said rollers.

2,545,016
SCREW CONVEYER DITCHING MACHINE
Sherman E. Berry, Dallas, Tex., assignor to Berry Bros. Machinery and Repair Works, Dallas, Tex.
Application July 14, 1947, Serial No. 760,873
1 Claim. (Cl. 37—82)



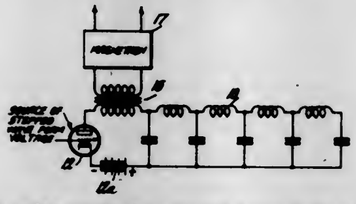
A ditching machine attachment for a tractor including a pair of main frame members pivotally attached to and extending angularly upward from the rear end of said tractor, an excavator frame affixed at its upper end to the upper ends of said main frame members for adjustment to a variety of different angles in relation to the horizontal plane, an excavator mounted in said excavator frame, comprising a flight conveyor whose shaft is journaled in bearings at each end of said frame, a hood mounted on said excavator frame and disposed over the lower end of said conveyor, a substantially cylindrical housing embracing the upper end of said conveyor for confining material dislodged and elevated thereby to a point of discharge, an endless belt conveyor operating below said point of discharge for receiving and transporting material transversely with respect to the travel of said excavator, and for discharging said material on either side of said machine, a frame for said belt conveyor, a series of longitudinally apertured straps affixed at their lower ends at spaced points on said belt conveyor frame, bolts on the upper end of said excavator frame for selective engagement with the apertures of said straps, said straps being adjustable on said bolts to support said belt conveyor frame on a horizontal plane in relation to variations in the angular position of said excavator frame, hydraulic means for raising and lowering said excavator frame and means for driving said excavator and belt conveyor from the power take-off of said tractor.

2,545,017
HYPODERMIC SYRINGE
Gordon D. Billingsley, Los Altos, Calif.
Application June 2, 1947, Serial No. 751,742
4 Claims. (Cl. 128—173)



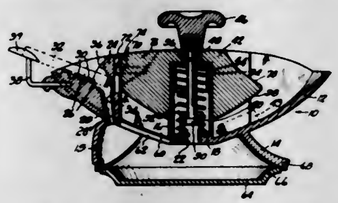
1. A hypodermic syringe comprising an outer tubular casing, an inner tubular casing slidably disposed within said outer casing, a tubular injection needle removably disposed within said outer casing and having a portion thereof projected into an end of said inner casing, a liquid medicament contained within said inner casing between spaced members slidable relative to said inner casing, another member slidably disposed within said inner casing and spaced from said liquid medicament, gas-forming means contained in said inner casing, and means comprising a trigger to actuate said gas-forming means whereby gas pressure is produced within said inner casing to force said liquid medicament downwardly against said injection needle.

2,545,018
APPARATUS FOR GENERATING ELECTRICAL PULSES
Alan Dower Blumlein, deceased, late of Ealing, London, England, by Doreen Walker, executrix, Lanherne, Lescudjack, Penzance, Cornwall, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application December 8, 1945, Serial No. 633,832
In Great Britain October 28, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 28, 1961
9 Claims. (Cl. 250—27)



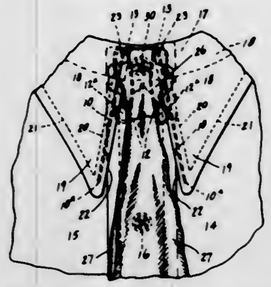
1. A pulse producing circuit comprising a wave-forming delay network having a plurality of sections, each section having series inductance and shunt capacitance, said network having a reflecting termination at one end and a non-reflecting termination at the other end, a load circuit connected to said non-reflecting end, means for changing an electrical charge on said network periodically whereby periodic pulses are supplied to said load circuit, a plurality of said sections having different surge impedances than the remaining sections whereby a pulse is obtained that departs from a flat-topped wave form in accordance with the adjustment of said plurality of sections.

2,545,019
ASH TRAY
Glave Spencer Bunch, Jr., South Bend, Ind.
Application July 5, 1947, Serial No. 759,046
10 Claims. (Cl. 131—237)



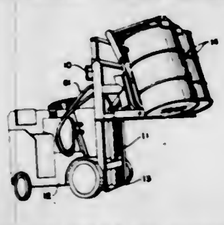
8. An ash tray comprising a body having a dished upper portion and a chambered lower portion, said upper portion having an inwardly radially projecting enlargement at its outer portion, said enlargement having a recessed upper face adapted to support and position a burning cigarette, said enlargement having a substantially vertical passage communicating with said chambered lower portion and with the inner end of the recessed upper face of said enlargement, a shiftable member mounted on said dished portion inwardly of said enlargement for vertical and rotative movement, said dished portion having a discharge passage communicating with said chambered lower portion and positioned below said member, and means for normally urging said member to a predetermined position spaced above the dished portion registering with said member.

2,545,020
COLLAR AND TIE DEVICE
Fredrick W. Coffing, Danville, Ill.
Application August 11, 1949, Serial No. 109,782
4 Claims. (Cl. 2—132)



1. A collar and tie device for locating a tie knot comprising a pair of unitary members, each member being adapted to be attached to the opposed edges of the tips of a collar, each member comprising an elongated shank of substantially rigid character having a return bend portion formed at one end thereof, an upwardly and inwardly directed resilient arm of appreciably shorter length than said shank connected at one end to said return bend portion, the other end of said arm terminating in a downwardly and outwardly directed loop having a portion abutting said shank, said loops serving to locate a tie knot and to retain it against lateral movement.

2,545,021
DRUM HANDLING DEVICE FOR LIFT TRUCKS
Bertram R. Coupland and Harold J. Black, Los Angeles, Calif.
Application April 5, 1948, Serial No. 18,916
8 Claims. (Cl. 214—66)



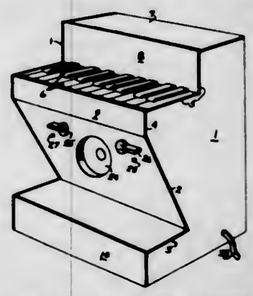
1. In a handling device for upright drums, barrels, or the like, the combination of a frame adapted to be carried by a lift truck; an upright tiltable member mounted on the frame for pivotal movement about a horizontal axis; drum contacting elements on said member; releasable means movably mounted on the upright member adapted to maintain the drum in contact with said elements; means carried on the frame adapted to tilt the said member and thereby tilt the drum rearwardly about a tilting point on the circumference of its lower end adjacent said member, the said tilting movement of the drum forming clearance spaces on each side of the tilting point beneath the lower end of the drum; supporting shoes movably mounted on the frame; and means responsive to pivotal movement of said member adapted to project said supporting shoes forwardly under the lower end of the drum into the clearance spaces on opposite sides of said tilting point.

2,545,022
UMBRELLA COVER
Sarah M. Crewdson, Berkeley, Calif., assignor of forty-nine per cent to F. A. Da Mert, Los Angeles, Calif.
Application September 13, 1947, Serial No. 773,827
2 Claims. (Cl. 135—33)



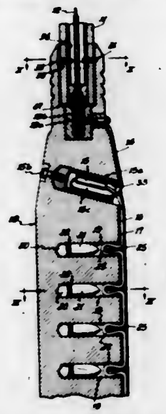
1. An umbrella protector, comprising: a collapsible tubular sleeve adapted to fit over a folded umbrella; one end of said sleeve adapted to be radially constricted for attachment to the handle end of an umbrella; a collar encircling said sleeve and secured thereto adjacent said end to hold said tubular sleeve expanded; a second collar encircling the extended end of said sleeve and secured thereto, said second collar slidable over said umbrella and tending to hold said sleeve in an extended position around said umbrella.

2,545,023
ELECTRIC ORGAN
Theodore R. Ellefson, Dayton, Ohio, assignor of one-third to Harold H. Singer and one-third to Morris P. Felman, both of Dayton, Ohio
Application May 9, 1949, Serial No. 92,146
9 Claims. (Cl. 84—1.01)



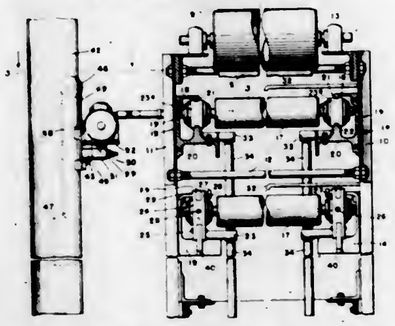
1. A musical instrument comprising an audio frequency oscillation generator, including a thermionic device and a contained grid and cathode, a grid resistor for said tube, said resistor being subdivided into predetermined portions which cause the generator to develop oscillations of different tone frequencies, means including playing keys for individually connecting preselected subdivisions of said resistor to the cathode of said generator, said means including an equi-potential metal bar connected to the cathode, contacts on said keys connected respectively to said resistor subdivisions, and adapted to contact the bar when the respective keys are depressed, and an audio receiving device responsive to changes in said frequency caused by the depressing movement of said keys.

2,545,024
GUN PERFORATOR
Raymond D. Elliott, Long Beach, Calif., assignor, by mesne assignments, to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application October 13, 1944, Serial No. 558,581
14 Claims. (Cl. 164—0.5)



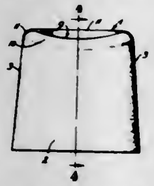
1. A gun perforator, comprising: a gun body structure defining a plurality of laterally directed gun bores; bullets in said gun bores; concussion responsive explosive means in said gun bores rearwardly of said bullets; and fuse-like detonation means passing along said gun body and traversing the muzzle ends of said gun bores.

2,545,025
TREATING ROLL MOUNTING AND ROLL DRIVE
John E. Erhardt, Jr., Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application November 16, 1945, Serial No. 629,029
10 Claims. (Cl. 51—236)



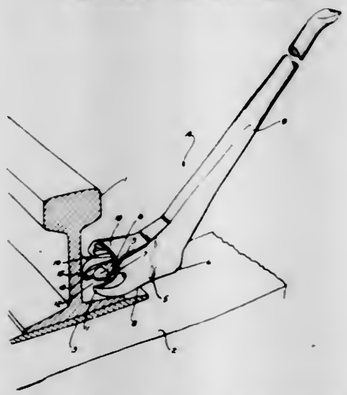
1. In combination, a series of vertically spaced roll couples, a series of vertically spaced mountings for the respective roll couples, a vertically extending support at one end of said series, and driving means for said rolls vertically movable on said support for selective engagement with the rolls of said couples.

2,545,026
MOLDED KEY CAP FOR WRITING MACHINES
Gerald K. Geerlings, New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application April 7, 1949, Serial No. 85,993
2 Claims. (Cl. 197—102)



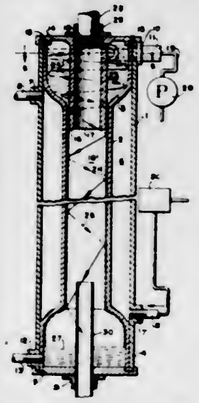
1. A key cap for typewriting and similar machines, comprising a molded body having integral side, front, top and rear walls, and a central transverse wall extending between the front and rear walls, depending from said top wall and formed with a socket for slidably receiving the end of a key-lever, said top wall having a ridge extending along the side and rear edges and having a central valley portion extending throughout the central portion of said top wall within said ridge and open at the front of said cap, said front wall depending substantially twice as far as said rear wall below said top wall, said side walls having curved lower edges extending from said rear wall to the lower edge of said front wall, said ridge and valley portion of said top wall having curved surfaces merging into one another and said top wall having a downwardly curved surface across the front merging into the front wall.

2,545,027
RAILROAD SPIKE PULLER
Charles S. Grimm, Iowa City, Iowa, assignor of one-half to Glenn F. Carpenter, Chicago, Ill.
Application January 7, 1949, Serial No. 69,672
3 Claims. (Cl. 254—25)



3. A railroad spike puller comprising a foot with a toe and heel portion, a bottom portion of the foot being arcuate to provide a rocker action, a lower claw and an upper claw formed in the toe portion, the upper claw covering the lower claw with a top portion of the foot extending over the upper claw, the upper claw having a notch to receive the head of a spike after it has been pulled out part way by the lower claw, a projection at the back of the notch in the upper claw contacting the head of the spike to lift the spike and a handle extending from the heel of the foot for a substantial distance to provide a means to rock the foot on the bottom portion to raise the toe upwardly.

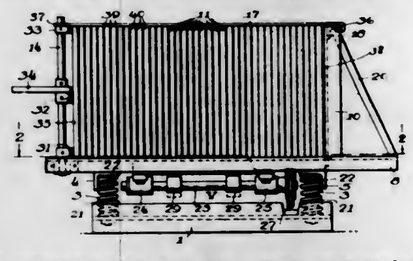
2,545,028
FALLING FILM HEAT EXCHANGER
George W. Haldeman, Oak Ridge, Tenn.
Application December 5, 1945, Serial No. 632,993
3 Claims. (Cl. 261—15)



3. Heat exchange apparatus comprising a hollow cylindrical container terminating in portions of enlarged diameter, a cylindrical jacket secured to the end portions of the container to leave an annular space between the intermediate portion of the container and the jacket, a tangential port in one of said enlarged portions of the container to admit fluid and to provide a whirling action thereof within the said container portion, a cylindrical tube having a diameter slightly less than the size of the intermediate portion of the container to leave an annular space between the tube and said intermediate portion of the container, whereby the whirling fluid as it leaves said annular space is confined as a layer against the container, inlet and outlet ports at opposite ends of said jacket for introducing liquid in heat transferring relation with respect to the liquid in said container, means for introducing gas into said tube to cause the gas to intermix with the fluid as it flows through the container in the form of a whirling layer, and a pipe extending into the container at the end opposite from said gas introducing means for carrying away the gas which remains free of said fluid.

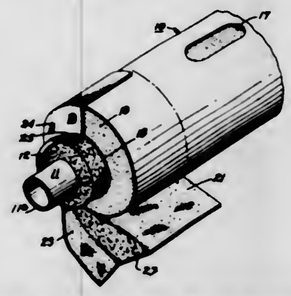
2,545,029
VIBRATING APPARATUS FOR MOLDING CONCRETE SLABS
Harald B. Hemb, Glencoe, Ill., assignor to Concrete Products, Inc., Skokie, Ill., a corporation of Illinois
Application April 16, 1949, Serial No. 87,916
5 Claims. (Cl. 25—42)

1. Apparatus for forming precast slabs, comprising, a stationary base structure, spring means mounted on said base structure for vertical and horizontal movement in all directions, a framework mounted on said spring means and having a rigid upstanding mold-support at one end and an upstanding mold-support at the other end and movable with relation to the framework, a plurality of thin, open-top molds adapted to be supported edgewise on the bottom portion of the frame-work, a cross-bar extending laterally across the frame-work and fixed to the upper end of said rigid mold-support, a shaft mounted in the bottom portion of the frame-work outside of the movable mold-support and extending upright above the level of the top edges of the molds in the frame, a pair of cams on said shaft one mounted adjacent the bottom edge of the mov-



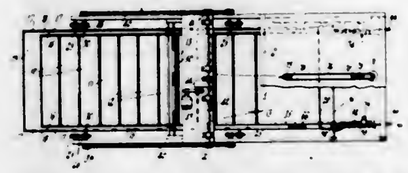
able mold-support and the other mounted adjacent the upper edge thereof, an elongated tension member extending along the top edges of the molds and being removably secured at one end to said cross-bar and having an eyelet at its other end to be removably slipped over the upper end of said shaft, means for rotating said cams to clamp the molds between the mold-supports with tension in the tension member, and means for vibrating said frame-work and molds.

2,545,030
METHOD OF MAKING END CLOSURES FOR INSULATED PIPES
Alexander H. Isenberg, Woodside, and Ralph E. Hedges, East Palo Alto, Calif.; said Hedges assignor to said Isenberg
Application October 7, 1949, Serial No. 120,028
2 Claims. (Cl. 154—44)



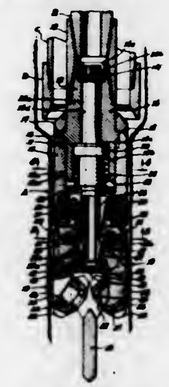
1. A method of closing an opening at the end of an insulated conduit which has a central conveyor pipe surrounded in contact by an insulation member which in turn is surrounded by an outer casing spaced from and of shorter length than the insulation member, comprising the steps of applying circumferentially of the end portion of the outer casing, one portion of the width of a flexible wrapper strip wetted with an adhesive having a non-permanent bond to the casing, whereby the remainder of the width of the wetted strip extends beyond said outer casing, overlapping the terminal ends of the wetted strip, bending the extended portion radially inwardly to overlie the end of the outer casing and the space between the outer casing and the insulation member, and again bending the wetted wrapper strip longitudinally outwardly of the insulation member and circumferentially thereof, and binding the longitudinally bent portion while wet around the circumference of the extended portion of the insulation member.

2,545,031
PHOTOGRAPH DEVELOPING MACHINE
Anthony Issi, Boston, Mass.
Application November 22, 1946, Serial No. 711,721
4 Claims. (Cl. 95—89)



1. In combination, a support having a series of stepped portions having their upper faces inclined to the horizontal lengthwise, a plurality of cages each having portions for supported engagement by said stepped portions, said cages having walls for supporting plate elements with their planes substantially parallel with the sides of said support and means for moving said cages successively from stepped portion to stepped portion, said stepped portions supporting said cages tilted to cause a corner of each plate element carried by said cages to be positioned lowest to localize drainage from said plate element of liquid previously picked up by said plate element.

2,545,032
EXPANSIBLE ROTARY DRILL BIT
Archer W. Kammerer, Fullerton, Calif.
Application July 29, 1946, Serial No. 686,806
4 Claims. (Cl. 255—71)



3. A rotary well drilling bit, including a body, cutter means mounted on said body, means engageable with said cutter means for expanding and holding said cutter means laterally outward, comprising a first member connectable to a drill string and slidably splined to said body, a second member rotatable within said first member and engageable with said cutter means for holding said cutter means laterally outward, said second member extending through said first member from its point of connection with the drill string, means on said second member at said point of connection with said drill string in abutting contact with said first member for preventing sub-

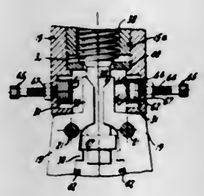
stantial relative longitudinal movement between said members in one direction while permitting relative rotation therebetween, and means on one of said members coengaging with means on the other of said members preventing substantial relative longitudinal movement between said members in the opposite direction whole permitting relative rotation therebetween.

2,545,033
WELL BORING APPARATUS
Archer W. Kammerer, Fullerton, Calif.
Application October 13, 1947, Serial No. 779,591
10 Claims. (Cl. 255—76)



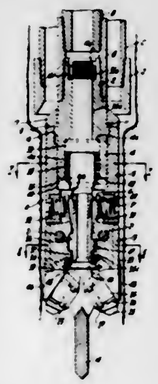
1. A rotary well drilling bit: including a body having a transverse slot therein; cutter means mounted on said body within said slot; means for expanding and holding said cutter means laterally outward, said expanding and holding means comprising a first member connectable to a drill string and movable in a longitudinal direction along said body, a second member rotatably connected to said first member for longitudinal movement therewith and engageable with said cutter means for holding said cutter means laterally outward; said cutter means and second member having guiding surfaces in slidable contacting relation to guiding surfaces provided by the walls of said slot.

2,545,034
EXPANSIBLE ROTARY DRILL BIT AND METHOD OF ASSEMBLING AND DISASSEMBLING THE SAME
Archer W. Kammerer, Fullerton, Calif.
Application October 13, 1947, Serial No. 779,592
10 Claims. (Cl. 255—76)



1. A rotary well drilling bit, including a main body, cutter means mounted on said body for lateral movement with respect to said body, spring means engaging said body, spring retainer means engaging and located between said spring means and cutter means, said spring means acting through said retainer means to urge said cutter means laterally outward of said body, said retainer means and body having substantially aligned bores to permit a tool to be inserted through said body bore and into the bore of said retainer means to engage said retainer means to move said retainer means toward said body and compress said spring means.

2,545,035
ROTARY WELL DRILLING BIT
Archer W. Kammerer, Fullerton, Calif.
Application October 13, 1947, Serial No. 779,593
2 Claims. (Cl. 255—76)



1. A rotary well drilling bit, including a main body, cutter means pivotally mounted on said body and having an upwardly extending arm and a depending leg, spring means bearing against said body and arm for moving said arm inwardly and said leg outwardly, a lock device movable downwardly within said body into engagement with said leg for preventing inward movement of said leg from its outward position, and cam means on said lock device engageable with said arm when said lock device is disposed in an upward position within said body for preventing outward movement of said leg by said spring means to its fullest extent.

2,545,036
EXPANSIBLE DRILL BIT
Archer W. Kammerer, Fullerton, Calif.
Application August 12, 1948, Serial No. 43,789
17 Claims. (Cl. 255—78)

17. In a rotary drill bit: a main body having a fluid passage; a plurality of supporting members mounted on said body for lateral movement with respect to said body; a cutter rotatable on each of said supporting members; a set of rollable bearing elements between each of said cutters and companion supporting members; individual means for preventing removal of each set of elements from their bearing position between an associated cutter and supporting member; means engageable with said supporting means for expanding said cutters outwardly; means interconnecting said individual preventing means for releasably holding said supporting members and cutters in retracted position; and means extending into said passage and subject to the force of fluid in said passage for releasing said interconnecting means from holding said supporting members and cutters in retracted position.

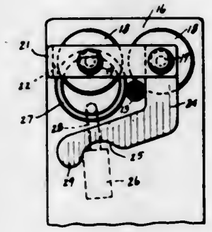


2,545,037
ROTARY DRILL BIT APPARATUS
Archer W. Kammerer, Fullerton, Calif.
Application April 8, 1949, Serial No. 86,161
17 Claims. (Cl. 255—76)



1. A rotary well drilling bit: including a main body; cutter means mounted on said body for lateral movement with respect to said body; a mandrel slidably splined to said body and adapted for connection to a tubular drill string; means engaging said cutter means for expanding said cutter means laterally outward independently of movement of said mandrel along said body; releasable latch means connected to said cutter means for releasably holding said cutter means in an inward position against the action of said expanding means; and means on said mandrel movable therewith, and engageable with said latch means to release said latch means from holding said cutter means in an inward position upon movement of said mandrel relative to said body.

2,545,038
LOCKABLE LATCH AND CATCH CONSTRUCTION
William V. Kingdon, Indianapolis, Ind.
Application January 29, 1949, Serial No. 73,624
1 Claim. (Cl. 292—299)

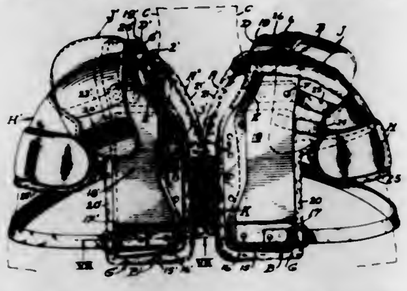


In a fastener for a stockyards gate having a longitudinally adjustable latch bar projecting beyond the free end thereof and being disposed in substantially horizontal relation adjacent the top thereof, a lockable gate latch construction affixed to a fence post adjacent the free end of said gate when in closed position, said construction comprising a housing having side and end walls defining a longitudinal slot, said housing being secured in spaced relation to said fence post by at least one transversely disposed securing element, said one element bridging said slot in off center position relative to the vertical center of said slot, a gravity ring loosely carried by said element and having a portion thereof projecting below said housing, said ring being disposed substantially at right angles to the longitudinal axis of said bar and laterally displaceable thereby as the gate is closed, and a substantially L-shaped member connected to the end wall of said housing which extends in the closing direction of the gate, the base portion of said member depending from said end wall at substantially a right angle to said housing and being spaced rearwardly from said ring a distance sufficient to enable said bar to be interposed therebetween in gate latched position, the arm portion of said member being inclined forwardly and downwardly from the bottom of said base portion and being disposed below the normal path of movement of said bar, said arm portion having a downwardly exposed recess formed adjacent its free end in substantial vertical alignment with said ring, said recess being adapted to accommodate a portion of the body of a padlock used for locking said ring to said arm portion.

2,545,039
SHOULDER PAD
Carl E. Mitchel, San Francisco, Calif.
Application February 23, 1949, Serial No. 77,773
4 Claims. (Cl. 2—2)

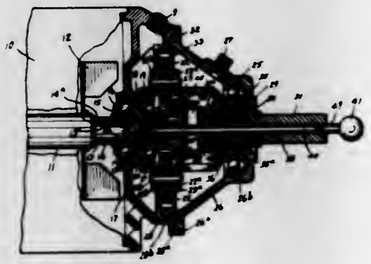
1. A shoulder pad comprising two halves, each having a semi-rigid body member arched so as to extend over the shoulder and down over the back and chest so as to protect both, and a semi-rigid shock absorbing arch having one end connected to the back of the body member and the other end connected to the front of the body member, the portion of the arch disposed between its ends being spaced from the body member for

dissipating any blows directed against the shoulder and chest of the player to the ends of the



arch and body member portions disposed adjacent thereto.

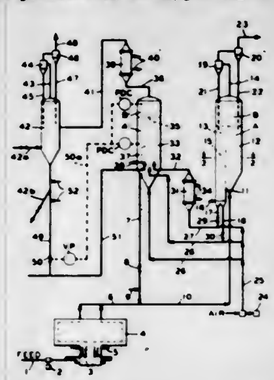
2,545,040
MULTISPEED MOTOR HEAD UNIT
Ralph H. Morgan, Indianapolis, Ind., assignor to Charles Drexler Co., Inc., Indianapolis, Ind., a corporation
Application July 20, 1949, Serial No. 105,799
4 Claims. (Cl. 74—750)



1. In combination with an electric motor having shaft means projecting therefrom, the projecting end thereof being tubular and externally having planetary sun gear teeth thereon, planetary pinions meshing with said sun gear teeth, a sleeve carrier for the pinions, a housing for the sleeve carrier, means within said housing supporting the opposite ends of said sleeve carrier, a ring gear rigid with said housing and with which the pinions mesh, said housing being rigid with the motor, a tubular drive shaft disposed within the housing and projecting therefrom, a longitudinally movable control member projecting beyond the housing exposed end of the drive shaft for selective speed control thereof, the drive shaft having splines thereon axially spaced from the sun gear teeth, toothed clutch means having the teeth thereof slidingly engaging the splines of the drive shaft and shiftable by said control member, into engagement with the sun gear teeth.

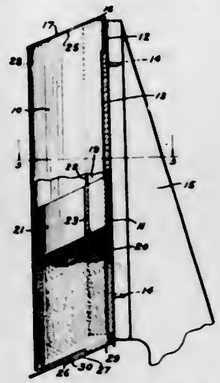
2,545,041
TEMPERATURE CONTROL IN REGENERATION OF CONTACT AGENTS
Joseph W. Moorman, Alpine, and Louis J. Kelly, Tenafly, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 26, 1949, Serial No. 95,548
5 Claims. (Cl. 196—52)

1. In a continuous process for the catalytic conversion of hydrocarbons wherein solid particles of a catalytic material and vapors of the hydrocarbons undergoing conversion are contacted in a conversion zone and the spent catalyst particles are separated from the vaporous conversion products and regenerated for use in said conversion zone by contacting them with an oxygen-containing gas in a regeneration zone, which method includes passing said oxygen-containing gas upwardly through a mass of said catalyst in said regeneration zone at such a velocity that the solids in said zone are maintained in a fluidized state and an interface is maintained between a lower dense phase and an upper light phase, the



improvement which includes the steps of: withdrawing a stream of dense phase regenerated catalytic material from said regeneration zone and transferring it to said conversion zone; withdrawing dilute phase from said regeneration zone and cooling it; separating catalyst from said cooled dilute phase and accumulating a mass of cooled catalyst; and recirculating cooled catalyst from said mass of cooled catalyst to said dense phase at a rate sufficient to maintain said interface at a level at which said withdrawn dilute phase contains the quantity of catalyst required to be circulated for cooling.

2,545,042
DISK DISPENSER
Albert I. Negus, Jr., Madison, Wis.
Application May 13, 1946, Serial No. 669,412
1 Claim. (Cl. 312—61)



A filter disk dispenser comprising, a casing having dispensing and finger slots at one end thereof, means for supporting said casing in approximately upright position with said slots at the lower casing end, means forming a trough insertable within and removable from said casing for loading the same with filter disks, the side walls of said trough having inturned edges, and a weight having grooves cooperable with the inturned edges of said trough for guiding movement of said weight within said trough whereby said weight is adapted to constantly urge the disks housed within said casing toward said dispensing slot.

2,545,043
ELECTRIC LAMP BULB CHANGER
Alvin L. Odenthal, Los Angeles, Calif.
Application January 26, 1950, Serial No. 140,685
16 Claims. (Cl. 294—20)

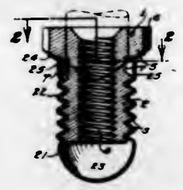


7. In a device for changing overhead electric lamp bulbs, an applicator cup having a flexible mouth adapted to fit the bulbs in an air tight manner, a pole, mounting means for said cup, said mounting means being attached to the inner end portion of said pole, there being air passage means through said mounting means leading from the interior of said cup to the outer atmosphere, a check valve carried by said mounting means and normally permitting only outflow of air from said cup, a spring connected with said valve normally holding it closed against inflow of air to said cup, and a flexible connection connecting said valve with the inner end of said pole to open said valve when the pole is moved outwardly in relation to said mounting means beyond a predetermined distance.

2,545,044
METHOD OF PREPARING AN α-METHACRYLOXY PROPIONAMIDE
Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 22, 1947, Serial No. 787,605
3 Claims. (Cl. 260—486)

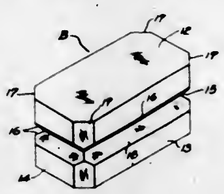
1. A process for preparing an α-methacryloxy propionamide comprising condensing under anhydrous conditions methacrylyl chloride with an acid amide selected from the group consisting of lactamide and an N-alkyl lactamide wherein the alkyl group contains from 1 to 4 carbon atoms, in the presence of anhydrous sodium carbonate and in the presence of anhydrous calcium sulfate.

2,545,045
THREADED INSERT PROTECTOR
Joseph Rosan, North Hollywood, Calif.
Application March 12, 1945, Serial No. 582,294
4 Claims. (Cl. 151—32)



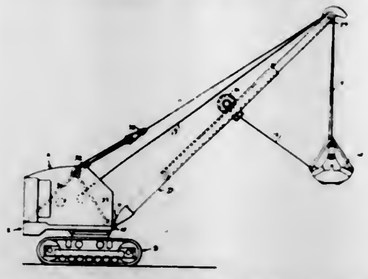
2. A cast-in-place insert assembly, comprising the combination of: an insert body including an externally threaded shank and a laterally enlarged head at the upper end thereof, said head being formed on its periphery with a multiplicity of longitudinally extended serrations which have crests formed substantially parallel with the axis of said shank and flanks defining valleys therebetween, said head also being formed, on its underside, adjacent said shank, and between said serrated periphery and said shank, with an annular seating surface; and a non-bonding, generally cylindrical, internally screwthreaded shell screwed onto said shank, said shell having a closed end enclosing the lower end of said shank, and an open end adjacent said annular seating surface on said head, said open end of said shell having an annular seating surface companionate to and continuously sealingly engaging with said annular seating surface on said head, said open end of said shell terminating beyond said annular seating surface of said shell in an outer annular edge which is located closely adjacent to the intersection of said serrations with the underside of said head, whereby the crests and flanks of said serrations are exposed for interlocking engagement in a surrounding body of cast material, said shell having external projection means around its periphery positioned to be embraced by the surrounding cast material to prevent axial displacement of the shell therefrom.

2,545,046
PAVING BLOCK
Wilbur E. Rownd, Canton, Ohio
Application September 11, 1945, Serial No. 615,651
5 Claims. (Cl. 94—11)



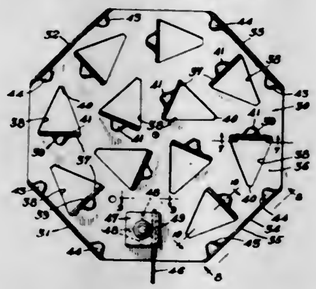
1. A paving block having horizontal top and bottom surfaces and vertical plane side surfaces, the corners between intersecting side surfaces being beveled throughout the depth of the block to provide beveled surfaces, and said side surfaces having a continuous horizontal groove midway of said top and bottom surfaces, and extending entirely around the block and through said beveled surfaces.

2,545,047
ADJUSTABLE BOOM FOR CRANES OR THE LIKE
Louis R. Russell, Edison, Ohio, assignor to Insley Manufacturing Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 12, 1947, Serial No. 760,571
5 Claims. (Cl. 212—55)



1. Apparatus of the class described, comprising a movable carriage, a sectional boom pivotally connected at one end to said carriage, the sections of the boom being shiftable relatively to each other for lengthening or shortening same, hoisting means for said boom connected to the carriage, cable means providing a connection between the boom sections respectively and said hoisting means, and a device for rigidly securing the boom sections selectively in different positions of adjustment whereby upon lowering the free end of the boom to a supporting surface, rendering the connecting device ineffective, and imparting movement to the carriage, the length of the boom may be varied.

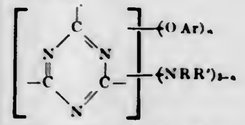
2,545,048
POLE BUTT GROUND PLATE
George C. Salmons, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application October 29, 1948, Serial No. 57,241
2 Claims. (Cl. 174—6)



2. In a pole butt ground plate, the combination of a substantially square sheet metal member, said member having its corner portions bent outwardly at substantially right angles along a line which transforms the square sheet into an octagonal member, the said sheet also having a multiplicity of triangular holes punched out of it forming triangular prongs extending outwardly in the same direction as said corner portions, the said prongs being in the shape of isosceles triangles and having the bends at their bases extending in a radial direction, and the prongs being equally spaced radially, a connector base welded to said plate and having a threaded stud, a nut on said stud and a clamping plate apertured to receive said threaded stud, and having a curved pivot surface at one end and a clamping groove at the other end.

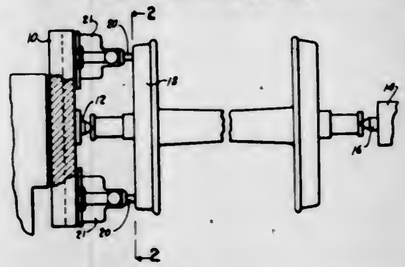
2,545,049
METHOD OF PREPARING CONDENSATION PRODUCTS FROM AN ARYLOXYTRIAZINE
Frederic Charles Schaefer, Stamford, and Dagfrid Holm-Hansen Church, Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 30, 1948, Serial No. 18,064
15 Claims. (Cl. 260—249.6)

1. The method of preparing a condensation product which comprises heating, at a temperature sufficiently high to cause a phenol to be evolved as a by-product of the reaction, a mixture of (1) a triazine derivative represented by the general formula



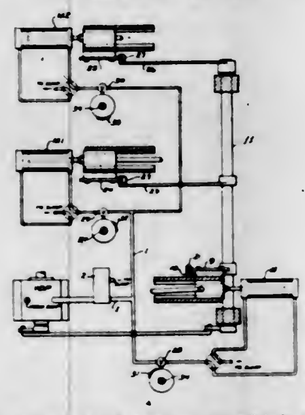
wherein Ar represents a monovalent, monocyclic aromatic hydrocarbon radical bonded to the oxygen atom through a carbon atom of the ring nucleus, R and R' each represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals and *n* represents an integer which is at least 1 and not more than 3, and (2) a compound which is different from the triazine derivative of (1) and which is an amino compound containing carbon and at least one amino grouping having at least one hydrogen atom attached directly to the nitrogen atom thereof, the ingredients of (1) and (2) being employed in a molar ratio of 1 mole of the former to not less than 1 mole of the latter.

2,545,050
DRIVING DOG FOR LATHES
Otto E. Schurr, Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application August 31, 1948, Serial No. 46,969
4 Claims. (Cl. 82—40)



1. Driving means for a machine tool having a face plate, comprising a plurality of dogs spaced equally around said face plate, each dog comprising a work-engaging member having an inclined lower surface, a bolster having an oppositely inclined surface in engagement with said inclined lower surface of said work-engaging member and forming therewith an inclined plane, a spring acting laterally against said work-engaging member to move it upwardly on said inclined plane and into engagement with a work-piece, pneumatic means adapted to act in opposition to said spring and to positively force said work-engaging member down said inclined plane and out of engagement with the work-piece, springs interposed between said bolster and said face plate to resiliently mount the work-engaging member, and interconnections for said dogs whereby all of said pneumatic means are simultaneously filled and vented.

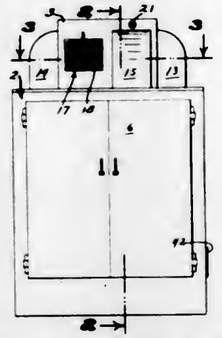
2,545,051
POWER CONTROL FOR FLUID MOTORS
Walter G. Schutt, Adrian, Mich., assignor to Stearns Manufacturing Company, Adrian, Mich., a corporation of Michigan
Application December 4, 1947, Serial No. 789,613
4 Claims. (Cl. 60—52)



1. A fluid operated system in which a variable volume of fluid is furnished to one or more motors to control the speed of the piston in moving to do useful work, which comprises a variable displacement pump with means to alter the fluid displacement of the pump, a plurality of motor cylinders and pistons with pipe connections between the said pump and each end of each motor cylinder including a reversing valve for each cylinder that reverses the flow of fluid from end to end of the cylinder, a separate cam operated by a moving part of each motor or mechanism operated by motor, operating connections between each cam and the means for altering the displacement of the pump in response to the contour of the cam as the cam moves in response to actuation from the motor, a fluid main with branches leading to each motor cylinder and with the said reversing valve in each branch, a cut off valve in each branch to each motor and cam mechanism for successively opening each cut off valve and successively connecting each motor cylinder with the variable displacement pump.

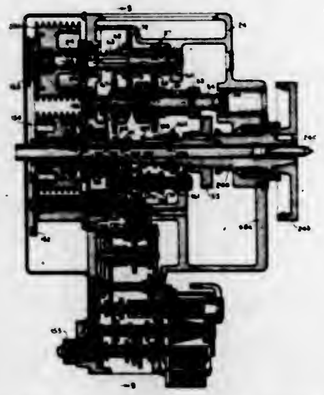
2,545,052
EGG COOLER
William G. Sebold, Walnut Creek, Calif.
Application November 17, 1947, Serial No. 786,452
6 Claims. (Cl. 34—72)

1. An egg cooler comprising a cabinet, a vertical partition disposed rearwardly in said cabinet to define an egg storage space and an air distributing chamber, air-cooling means in flow communication with said air distributing chamber, said air-cooling means comprising a housing disposed at the top of the cabinet and containing an air circulation-inducing fan arranged to suck air from atmosphere through an air porous, water-moist air cooling element and expel said air so cooled into said air distribution chamber, a plurality of spaced restricted orifices provided in said partition from top to bottom thereof through which air is emitted from said air distributing chamber into said egg storage space, a second water-moist cooling element formed of air-porous material positioned in said



air distributing chamber and arranged parallel to and spaced rearwardly from said partition to contact air expelled from said first named air-cooling means and prior to discharge thereof through said restricted orifices said cabinet provided with auxiliary means including a fan to expel air from said cabinet adjacent to the bottom thereof and forwardly of said partition, and means to supply water to said air-cooling elements.

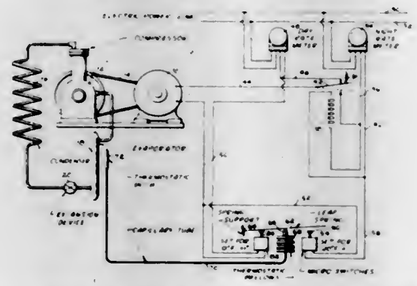
2,545,053
LATHE TRANSMISSION AND CONTROL MECHANISM
Harold J. Siekmann and George J. Kasselmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 26, 1948, Serial No. 11,274
9 Claims. (Cl. 74—472)



1. In a lathe including a work spindle to be driven and a variable speed direct current motor as a power source, a transmission for driving said spindle from said motor under different conditions of mechanical advantage, said transmission comprising a pulley freely journaled on said spindle, a clutch operable to drivably

connect said pulley to said spindle, a back gear shaft, a pulley drivably carried by said back gear shaft, a gear drivably and slidably mounted on said back gear shaft, a compound gear freely journaled on said back gear shaft and including a gear element adapted to be engaged by said sliding gear, a gear train providing a predetermined gear ratio and adapted to be connected between said sliding gear and said spindle, a second gear train of a different ratio adapted to be operatively connected between said compound gear and said spindle, a drive shaft included as a part of said motor, a pulley drivably carried by said drive shaft, and a drive belt passing over all said pulleys.

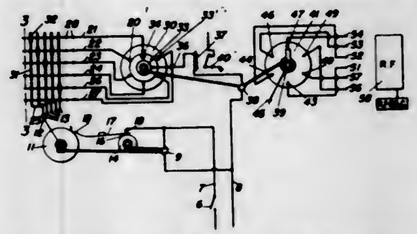
2,545,054
REFRIGERATOR CONTROL
Wilbur E. Stitz, Dayton, Ohio
Application February 25, 1946, Serial No. 650,056
2 Claims. (Cl. 236—46)



1. A control mechanism for using a refrigeration system having an off-peak load circuit and a peak load circuit, said off-peak load circuit having an off-peak load rate meter and the peak load circuit having a day rate meter, said off-peak load circuit having means for connecting the off-peak load rate meter into the power lines during predetermined off-peak load periods, the combination including a switch normally biased to close the circuit through the load into the day rate meter, an electromagnetic switch energized in response to the off-peak load rate meter being connected into the power lines for causing said switch to open-circuit the day rate meter and connecting the load into the off-peak load rate meter, first switch means responsive to one predetermined condition for closing the circuit through the load when the load is connected into the day rate meter, and a second switch means for connecting the load to the off-peak load rate meter when another predetermined condition occurs, and a common operator for said first and second switch means responsive to refrigeration requirements.

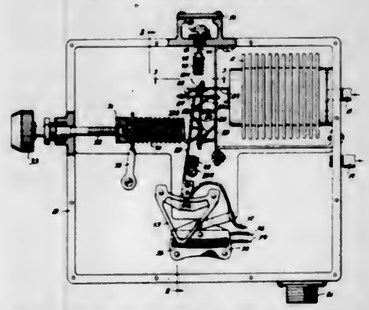
2,545,055
TIME SELECTOR FOR ELECTRICAL MECHANISMS
George W. Switzer, Mill Valley, Calif.
Application June 20, 1950, Serial No. 169,213
5 Claims. (Cl. 161—1)

1. In a time controlled circuit closer, a series of parallel bus-bars, a series of spaced parallel conductive rods extending transversely of said series in spaced relation thereto, sliding contacts each slidably mounted on a respective rod for selective engagement with said bus-bars, a series of stationary contacts each connected to a respective rod, a movable contact traversing the series of stationary contacts, a rotary disc conductively connected with the movable contact and effecting its movement, clock activated means rotating said



disc, a current supply line, and means intermittently effecting conductive connection between said disc and supply line.

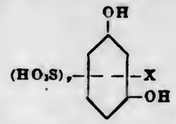
2,545,056
CONTROL DEVICE
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 25, 1947, Serial No. 770,339
13 Claims. (Cl. 200—83)



1. In a sensing device, a support, sensing means, a lever connected to said support by a first flexible strand, a second flexible strand generally parallel to said first flexible strand connecting said lever to said sensing means, and a third flexible strand normal to said first two flexible strands connecting said lever and said support.

2,545,057
DIAZOTYPES CONTAINING RESORCINOL SULFONIC ACIDS AS COUPLING COMPONENTS
William H. von Glahn and Lester N. Stanley, Albany, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 12, 1946, Serial No. 676,362
6 Claims. (Cl. 95—6)

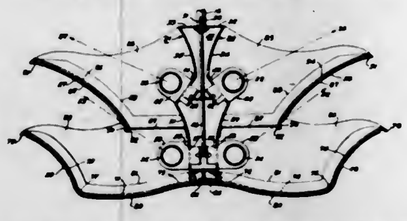
1. Light sensitive diazotype materials containing a light-sensitive diazo compound of a p-phenylenediamine and an azo dye coupler of the following formula:



wherein *y* is a member selected from the class consisting of 1 and 2 and X is a member selected

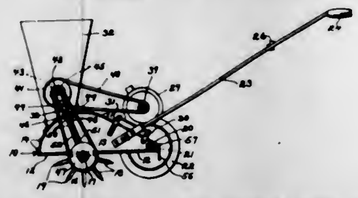
from the class consisting of hydrogen, alkyl and halogen and wherein at least one free coupling position remains unsubstituted.

2,545,058
LIGHTING FIXTURE FOR USE WITH ELONGATED TUBULAR LAMPS
John S. Walsh, San Francisco, Calif.
Application July 26, 1948, Serial No. 40,707
16 Claims. (Cl. 240—51.11)



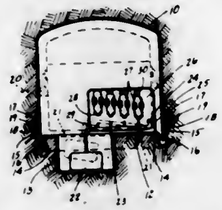
1. A luminous indirect lighting fixture including in combination a frame member, one or more portions of which comprise reflectors having a parabolic cross section, the axis of said parabola being inclined upwardly; one or more linear light sources supported by said frame member along the foci of said reflectors; and a translucent light shielding means supported by said frame member below said light sources, said means having a substantial portion of its surface parabolic in cross section and having the same foci and axes as the adjacent reflector, so that all but a fraction of the light striking said means is reflected upwardly from said means parallel to the light reflected by its adjacent reflector, the said fraction being refracted through said means to illuminate it.

2,545,059
LITTER CONDITIONER AND SCRATCH FEED OR LIME DISTRIBUTOR
Arthur B. Ward, Gill, Mass.
Application June 3, 1948, Serial No. 30,823
3 Claims. (Cl. 111—1)



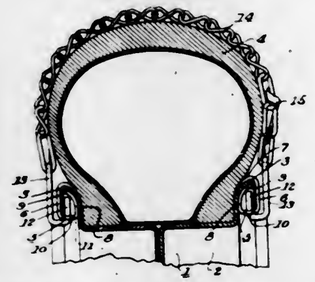
1. A litter conditioner and scratch feed or lime distributor comprising a rectangular frame, a downwardly opening housing disposed over said frame, a hopper mounted on said housing at the front portion thereof, a discharge slot opening through the bottom of said hopper and through said housing, an agitator member journalled in said hopper above said discharge slot, a toothed shaft rotatably carried by said frame below said housing, ground engaging wheels journalled in said housing adjacent the rear end thereof, a motor mounted on said housing rearwardly from said hopper, a pulley on said motor, a telescoping bracket secured at one end to the side of said housing, extending forwardly and upwardly and secured at the other end to said hopper, a bearing carried by said bracket for adjustment relative to said motor pulley and said toothed shaft, an idler shaft journalled in said bearing, flexible driving connections between said motor pulley and said idler shaft and between said idler shaft and said toothed shaft, a pulley on said agitator member, a second pulley on said toothed shaft and an endless belt connector between said pulleys for driving the agitator to discharge the scratch feed or lime contained in said hopper through said discharge slot, handles extending from said frame for guiding said frame and for tilting said frame about said ground engaging wheels whereby said toothed shaft may be raised or lowered to regulate the depth of penetration into the litter, and a switch for controlling said motor.

2,545,060
GRAVE VAULT CONSTRUCTION
Oliver C. Warrick, Brownsburg, Ind., assignor to Albert S. Ruse and Ruby C. Ruse, both of Brownsburg, Ind.
Application December 31, 1949, Serial No. 136,208
2 Claims. (Cl. 27—35)



1. A grave vault system comprising in combination a well disposed at the lowest level of a sealed vault, means disposed in said well and responsive to the progressive collection of water therein, a plurality of sources of gas pressure within the vault, and individual means for selectively releasing the pressurized gas from said sources and operable by said first mentioned means upon predetermined water collection in the well.

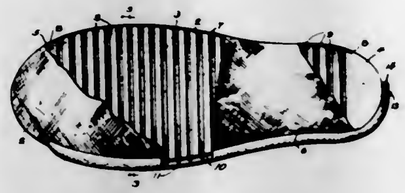
2,545,061
FASTENING CLIP FOR ANTISKID TIRE CHAINS
Karl B. Weber, Pittsburgh, Pa.
Application October 6, 1948, Serial No. 53,020
1 Claim. (Cl. 24—259)



A fastening clip for an anti-skid tire chain comprising the combination of an elongated bottom provided with a pair of longitudinally aligned apertures for connecting the chain therewith, an outer wall formed integral with one side edge of said bottom, an inner wall formed integral with the other side edge of said bottom and extending parallel to said outer wall, a clamping jaw formed at the upper edge of said inner wall and curving toward and to the upper

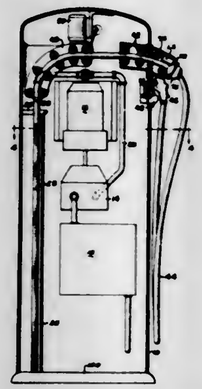
edge of said outer wall, and a holding jaw formed at the upper edge of said outer wall and curving in opposed overlapping parallel spaced relation to said clamping jaw, said holding jaw tapering toward the free side edge thereof to form a comparatively thin free side edge.

2,545,062
VENTILATING INSOLE
Paul E. Whittington, Arlington County, Va.
Application February 20, 1948, Serial No. 9,932
4 Claims. (Cl. 36—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A ventilating insole comprising a body portion of resilient material having a plurality of parallel channels, inwardly-opening check valves communicating with each of said channels at one portion of the insole, and outwardly-opening check valves communicating with each of the channels at another portion of the insole.

2,545,063
DISPENSING PUMP HAVING MOTOR-DRIVEN HOSE RETRACTION
Harley Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 10, 1948, Serial No. 7,408
6 Claims. (Cl. 222—74)



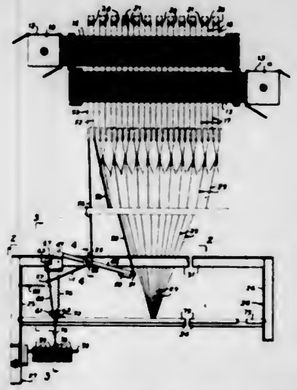
1. In a fluid dispensing pump having a housing, a fluid outlet internally of said housing, a flexible hose connected with said outlet and extending through one side wall of said housing, a dependant loop in said hose inside said housing, a pulley riding on the bottom of said loop, and motor means selectively energizable for driving said pulley downward to draw said loop into extended position.

2,545,064
COLLAPSIBLE SECTIONAL TOP TABLE
Lessing Aleh, St. Louis, Mo.
Application April 6, 1945, Serial No. 586,866
5 Claims. (Cl. 311—89)



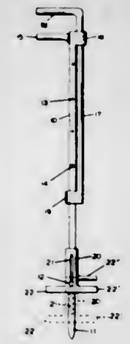
1. A game table adapted optionally to be folded up for storage and opened up for use, said table comprising two hingedly connected top sections each provided with collapsible legs for supporting the top sections in horizontal table-forming position, and a plurality of roller means mounted upon the under side of the top sections in substantially concealed position when the top sections are in table-forming position, each roller means including a mounting element fixed upon the under side of a top section, a bracket arm swingably mounted on the mounting element, and a caster mounted on the bracket arm.

2,545,065
STOP MOTION FOR JACQUARD LOOMS
Albert J. Bartson, Ridgewood, N. J.
Application March 1, 1950, Serial No. 147,055
4 Claims. (Cl. 139—338)



1. In a double cylinder jacquard loom including alternately acting odd and even pattern cards, said loom having a hook subject to control by certain cards of the odd card series and a hook subject to control by certain cards of the even card series, and said loom also having a frame and a "drop-wire" operated stop motion associated therewith for stopping the loom upon any one of the "drop-wires" being permitted to fall by gravity, an oscillatable lever oscillatably mounted on the loom frame a substantial distance above the "drop-wires," an actuating arm whose upper end is disposed adjacent in a lower horizontal plane than one end of said oscillatable lever and a carrier arm pivotally connected at one end to the loom frame and disposed in a lower horizontal plane than the oscillatable lever, the lower end of the actuating arm being universally connected to a medial portion of the carrier arm, a cord connecting the free end of the carrier arm to one of the "drop-wires" in said "drop-wire" actuated stop motion, spring means normally urging the upper end of said actuating arm out of the vertical plane of the hook portion on said oscillatable lever, other spring means normally urging the actuating arm and the carrier arm upwardly, a connection from one of said hooks to the actuating arm and a connection from the other of said hooks to the oscillatable lever whereby upon both of said hooks being lifted simultaneously, the upper end of the actuating arm will be moved into the vertical plane of and engaged by the hook portion on the oscillatable lever and the hook portion on the oscillatable lever will move the actuating arm downwardly to move the carrier arm downwardly correspondingly and to permit the "drop-wire" connected to the free end thereof to fall, by gravity, thus actuating the "drop-wire" stop motion for stopping the loom, certain of the cards in each series having needle perforations therein to control the lifting of the respective hooks and so as to cause the hooks to alternate in being lifted while the cards are in proper sequence but to cause said hooks to operate at substantially the same time when the cards are not in proper sequence.

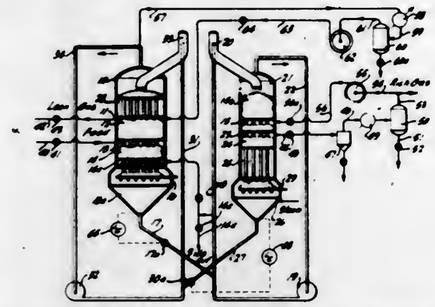
2,545,066
COUPLING PIN
Otis Belke, Helenville, and William Pinnow, Rome, Wis.
Application August 1, 1947, Serial No. 765,364
1 Claim. (Cl. 280—33.15)



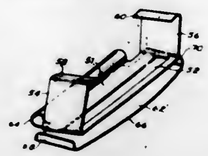
A coupling pin for use between two vehicles comprising in combination a main bar, an auxiliary bar, said auxiliary bar slidably supported by said main bar, means for limiting slidable movement of said auxiliary bar whereby said coupling may be adjusted for length, grip members extending outward from said main bar and auxiliary bar in alignment with one another, said main bar terminating into an integral pin member at its lower end, a lifting member slidably mounted on said pin member, means for governing the movement of said lifting member, and a plurality of outwardly projecting members extending from said lifting member at the lower end thereof.

2,545,067
ADSORPTION PROCESS
Clyde H. O. Berg and Donald H. Imhoff, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 20, 1946, Serial No. 717,358
23 Claims. (Cl. 183—4.2)

1. A continuous process for separating a gaseous mixture containing constituents of varying degrees of adsorbability which comprises flowing a moving bed of granular solid adsorbent downwardly by gravity through an adsorption zone, introducing said gaseous mixture into said adsorption zone, adsorbing therein the more readily adsorbable constituents of said mixture on said adsorbent to form a rich adsorbent, flowing said rich adsorbent from said adsorption zone into a rectification zone, introducing into said rectification zone a reflux comprising a rich gas containing the more readily adsorbable constituents of said mixture, withdrawing said rich adsorbent from said rectification zone, suspending the withdrawn adsorbent in a rich lift gas and conveying as a gaseous suspension thereby said rich adsorbent from said rectification zone to a desorption zone, heating said rich adsorbent and desorbing the adsorbed constituents therefrom in the presence of a countercurrent flow of stripping gas to form a lean adsorbent, withdrawing the desorbed constituents from said desorption zone as a rich gas, introducing a portion of said rich gas as reflux into said rectification zone, flowing said lean adsorbent from said desorption zone into a cooling zone, cooling said lean adsorbent therein while passing therethrough a portion of a lean gas, withdrawing the cooled lean adsorbent from said cooling zone, withdrawing from said adsorption zone said lean gas comprising the less readily adsorbable constituents, introducing a portion thereof into said cooling zone, suspending said cooled lean adsorbent in a lean lift gas and conveying as a gaseous suspension thereby said cooled lean adsorbent from said cooling zone to said adsorption zone.



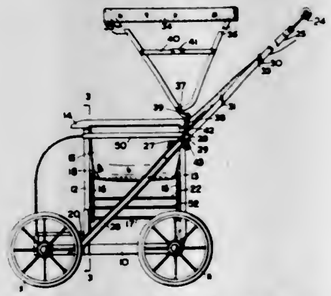
2,545,068
CARTRIDGE GUIDE AND STOP FOR MACHINE GUNS
William Clayton, Bristol, Conn., assignor to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application February 16, 1945, Serial No. 578,136
1 Claim. (Cl. 89—33)



In a short-round corrector for a machine gun provided with a receiver having an ammunition feed passage through which an ammunition belt of the disintegrating link type may pass from either side of the gun, an upper plate, a lower

plate, C-shaped spring means resiliently connecting the forward edges of said plates so that said plates lie in superposed parallel relation, the rearward edge of said lower plate being curved symmetrically from its center to each end for engagement with the forward top edge portion of each successive belt link as it is moved into cartridge-extracting position in said feed passage, an ear extending upwardly from each end of said upper plate to embrace the sides of the gun receiver therebetween, an inwardly-turned flange on the upper end of each ear to fit over the top of the gun receiver and hold said plates in operative position within the ammunition feed passage of the gun, and an upwardly-turned flange on each end of said lower plate, said corrector being formed in one piece of spring sheet metal, there being an elongated transverse slot in said upper plate to fit upwardly about a bracket of the gun, depending within said feed passage, when said flanged ears are in position embracing the sides of the gun receiver, whereby to prevent forward and rear movement of said corrector relatively to the gun.

2,545,069
FOLDING BABY CARRIAGE
Harold Edward Cornish, Ryde, New South Wales, Australia
Application September 25, 1946, Serial No. 699,220
In Great Britain October 18, 1945
2 Claims. (Cl. 280—42)

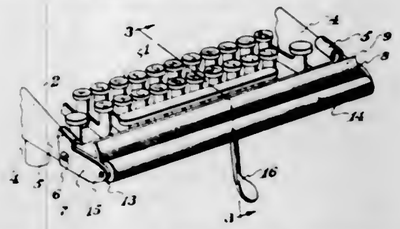


1. A folding wheeled child's carriage comprising in combination a pair of rigid skeleton side frames, arm rests on said frames, a flexible seat fitted to said arm rests and dependent therefrom, transverse diagonal struts fixedly pivoted to the side frames at their lower ends and slidably pivoted to the side frames at their upper ends, longitudinal rods interconnecting the upper ends of the struts and passing through the seat, longitudinal diagonal guide members secured to the side frames, a control handle, and a pair of arms depending from said control handle and slidable in said guide members to lock the carriage in the collapsed position.

2,545,070
CELLULOSE ETHER SOLUTIONS AND METHOD OF SPINNING THE SAME
Norman Louis Cox, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1947, Serial No. 759,899
21 Claims. (Cl. 18—54)

1. A method of producing cellulose ether structures which comprises the steps of adding to alkaline solutions of cellulose ethers at least 1% by weight and the said alkaline solutions of an alkali-metal trithiocarbonate and extruding the resultant solutions into aqueous sulfuric acid spinning baths containing zinc sulfate and sodium sulfate.

2,545,071
TYPEWRITER ATTACHED MANIFOLD GRIPPING DEVICE
Burton U. Demorest, Tulsa, Okla.
Application June 14, 1949, Serial No. 99,061
4 Claims. (Cl. 197—180)



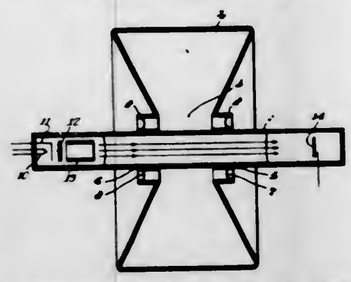
1. The combination with a typewriter keyboard frame, said frame comprising a front bar and side bars, of a manifold gripping device carried by said frame, said manifold gripping device comprising a gripping bar to the outside of the frame front bar, the ends of said gripping bar having arms extending rearwardly toward said frame, said rearwardly extending arms being anchored to the frame, the outer ends of said rearwardly extending arms having ears to the outside of the gripping bar, and an eccentrically mounted gripping roller carried by said ears and positioned whereby a manifold edge will be gripped between the roller and gripping bar upon a partial rotation of the roller.

2,545,072
FRUIT PICKING DEVICE
Frank Denman, Hillsdale, N. Y.
Application December 16, 1948, Serial No. 65,620
12 Claims. (Cl. 56—332)



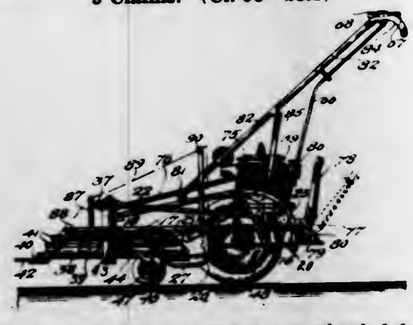
1. Fruit picking apparatus comprising, a manually portable picking assembly including, in combination, a tubular handle member adapted to be connected to a source of vacuum, a tubular fruit-picking head communicating with the handle member, a cushioned apertured fruit engaging valve cap covering the upper end of the picking head, the aperture being smaller than the smallest fruit to be picked but expansible to allow the fruit to be drawn through the aperture into the head responsive to suction applied into the head from the source of vacuum through the handle member, a second yieldable valve member in the head adapted to receive the fruit being drawn through the aperture, said second valve member being closed responsive to suction in the head as the fruit is drawn into and through the aperture in the fruit-engaging cap, but operable responsive to the weight of the fruit received in the second valve and release of suction in the picking-head when the fruit passes out of the said aperture, and a flexible fruit conveying cushioning conduit connected to the head and adapted to convey the picked fruit to the ground without injury to the fruit.

2,545,073
DEVICE FOR AMPLIFYING OR GENERATING ELECTRIC OSCILLATIONS OF VERY HIGH FREQUENCY
Gerrit de Vries, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1947, Serial No. 728,044
In the Netherlands June 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 14, 1964
2 Claims. (Cl. 315—5)



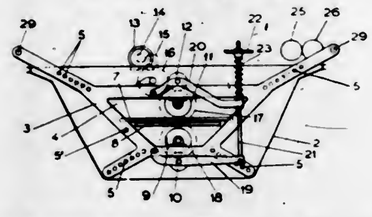
1. A device for generating or amplifying high frequency oscillations comprising an electric discharge tube having an envelope, a cathode source of an electron beam within said envelope, an insulating wall portion of said envelope surrounding said electron beam over a portion of the travel of said beam, a circuit having conductive portions closely adjacent the outer side of said insulating wall portion and having a slit between said conductive portions to effect inductive coupling between the said circuit and the said electron beam, and conductive coatings on said insulating wall portion interposed between said insulating wall portion and said conductive portions of said circuit, said coatings being in electrical connection with said conductive portions.

2,545,074
DISK TYPE MOWER
Willard H. Dielschneider, Conrad, Iowa
Application December 19, 1945, Serial No. 635,995
3 Claims. (Cl. 56—25.4)



2. A weed cutter comprising a wheeled frame, a rotary cutter mounted on the frame for rotation about a vertical axis, said rotary cutter having the peripheral cutting elements thereof disposed in a horizontal plane spaced below the central portion of the cutter so that the under side of the cutter generates a domed surface upon rotation of the cutter, a caster wheel supporting the cutter, said caster wheel being mounted to freely swivel about the vertical axis of the cutter and within the dome-shaped space defined below the domed surface, and drive means for the cutter, said frame including a member extending below the cutter in closely spaced relation to the domed surface to a position below the central portion of the cutter, means carried by the member within the dome-shaped space for swivelly mounting the caster wheel, and anti-friction means carried by the member for supporting the central portion of the cutter.

2,545,075
MACHINE FOR TREATING FABRICS AT FULL WIDTH IN LIQUID BATHS
Julien Dungler, Basel, Switzerland
Application August 31, 1946, Serial No. 694,272
In France April 3, 1946
5 Claims. (Cl. 68—99)

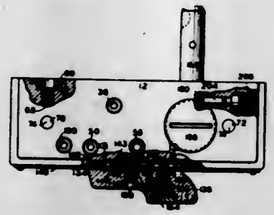


1. In a machine for treating lengthy piece of fabric at full width and in a continuous manner within a bath liquid, for dyeing, unsizing, bleaching and like purposes; a framework, a vat for said bath liquid mounted on said framework, a support placed in said vat and carrying a plurality of spaced apart sets of upper horizontal guide-rollers and a plurality of spaced apart sets of lower horizontal guide-rollers, respectively, said upper guide-rollers and said lower guide-rollers being arranged in stepwise formation with respect to each other so as to converge toward the center of said vat, a pair of squeeze-rollers positioned intermediate said upper sets of guide-rollers, another pair of squeeze-rollers disposed intermediate said lower sets of guide-rollers, and roller means within said vat for deviating incoming fabric to said lower and then to said upper sets of guide-rollers, said lower squeeze-rollers and said upper squeeze rollers, respectively, pressing fabric portions together, which extend in horizontal direction between said upper sets of guide-rollers and said lower sets of guide-rollers.

2,545,076
REPEATEDLY IGNITIBLE COMPOSITION ROD
Joseph Ellenbogen, London, England
No Drawing. Application April 8, 1946, Serial No. 660,431. In Great Britain April 10, 1945
12 Claims. (Cl. 52—29)

2. A repeatedly ignitible composition rod comprising a core containing a chlorate oxidizing agent and phosphorus together with a hydrated inorganic salt containing at least two molecules of water of crystallization per molecule of salt and an outer layer containing metaldehyde.

2,545,077
POWER TRANSMISSION
Duncan B. Gardiner, Detroit, and Bernard L. Readman, Pontiac, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Original application December 21, 1945, Serial No. 636,324. Divided and this application May 12, 1949, Serial No. 92,932
3 Claims. (Cl. 74—10.52)



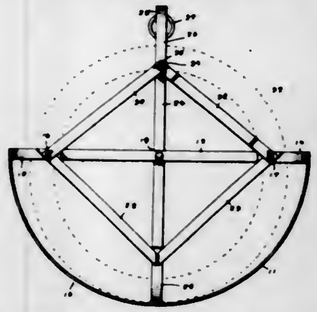
1. A dial and knob assembly for coarse and fine manual operation of a valve member adapted to be rotatably mounted within a valve block, comprising in combination a dial having a raised portion on the face thereof, and means forming a slot extending completely across the raised portion, a knob rotatably mounted in the slot of the raised portion of the dial, a cover plate provided with an arcuate gear rack, a pinion connected to the knob for rotation thereby, means for rotatably connecting the dial to the cover plate with the pinion meshing in the gear rack, means for connecting the valve member to the dial, and means for mounting the cover plate on the valve block, whereby the dial may be rotated to provide a coarse operation of the valve member and the knob may be rotated to provide a fine operation of the valve member.

2,545,078
EYESHIELD
Clyde E. Gardner, Effie, Minn.
Application April 12, 1949, Serial No. 87,043
6 Claims. (Cl. 2—14)



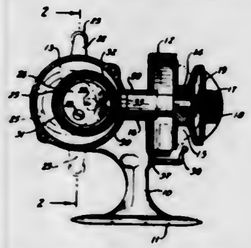
1. An eye shield comprising a forwardly elongated peak having a rear edge shaped to engage the forehead of a wearer above the eyes, said peak having side edges, rearward portions of the side edges of said peak having abbreviated depending portions serving as side shields said side shields comprising rearwardly extending portions to extend alongside of the sides of the forehead, temples, and cheeks of the wearer, and a lower shield extending between and connected to the lower edges of said side shields, said lower shield having a rear edge formed to engage the nose of the wearer, below the level of the eyes.

2,545,079
WIRE DISPENSER
Ted Goddard, Los Angeles, Calif.
Application August 16, 1949, Serial No. 110,572
3 Claims. (Cl. 242—129)



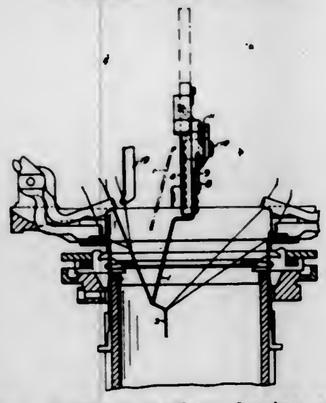
1. In a wire handling device, a semi-circular frame for holding a coil of wire therein, said frame comprising a vertically disposed semi-circular bottom strap, a horizontally disposed back strap having its ends curved and secured to the upper ends of said bottom strap, a vertically disposed body member having its upper end connected to said back strap intermediate the ends thereof, said body member terminating in a curved portion, a pair of vertically disposed diverging braces each having an end secured to said curved portion and the other end secured to the curved ends of said back strap, a support member having its lower end pivotally connected to the back strap of said frame and its other end shaped to define a curved section, and a pair of arms each having one end pivotally connected to the curved ends of said back strap, and means for connecting the other ends of said arms to the curved section of said support member.

2,545,080
DRIVING DEVICE FOR IMPARTING A COMBINED ROTARY AND RECIPROCATING MOTION TO A DRIVEN MEMBER
Leonard William Graham, Slough, Bucks, England
Application August 29, 1947, Serial No. 771,258
In Great Britain December 16, 1946
3 Claims. (Cl. 242—84.4)



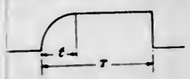
2. In a gear drive for imparting a combined rotary and reciprocating motion to a driven member, the combination of a driving member comprising a bevel gear and a driving shaft rotatably mounted and eccentrically supporting the bevel gear, a driven member comprising a driven shaft rotatable and axially slidably supported and a beveled pinion centrically supported on the driven shaft and engaged by said bevel gear for rotating the driven shaft in response to a rotation of the driving shaft, the circumference of said gear being larger than the circumference of said pinion so as to provide a stepped-up ratio of transmission between the gear and the pinion, a ring shaped member mounted concentrically with the center axis of the bevel gear, and an annular grooved collar concentrically supported on the driven shaft and engaging said ring member for maintaining engagement between the teeth of the gear and the pinion and for imparting a reciprocating axial displacement to the driven shaft corresponding to the eccentricity of rotation of the bevel gear.

2,545,081
YARN CONTROLLING DEVICE
Isaac H. C. Green, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 17, 1950, Serial No. 150,329
3 Claims. (Cl. 66—138)



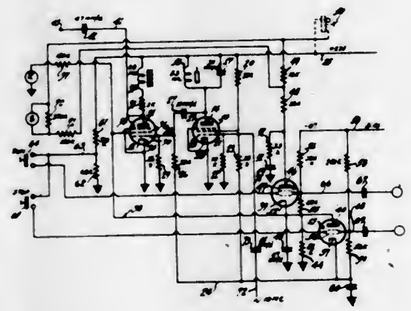
1. In a knitting machine having a cylinder, needles and yarn levers and in which yarns from a plurality of yarn levers become wound together adjacent the center of the cylinder so that individual yarns may be prevented from being taken by needles when the respective yarn levers are brought into action, means for pushing such interwound yarns downwardly into the cylinder so that additional yarn is drawn through each yarn lever and the interwinding correspondingly lessened adjacent the yarn levers so that a yarn when its lever is moved into operating position will follow it to a position at which the yarn can be taken by the needles and means for actuating said pushing means at a predetermined time in relation to the knitting by the machine.

2,545,082
ELECTRONIC SWITCHING DEVICE
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1946, Serial No. 672,748
1 Claim. (Cl. 250—27)



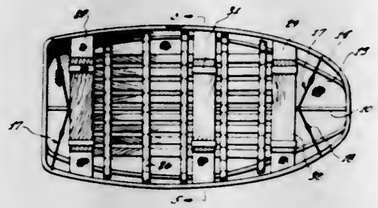
A high speed switching device including means for applying an operating potential, first and second gaseous conduction devices each having anode, cathode and grid electrodes, an electron discharge tube having anode, cathode and grid electrodes, a tapped resistor connected to the cathode of said first device, the grid of said electron discharge tube being connected to one of said resistor taps, a first anode load resistor connecting the anode of said first device with said operating potential applying means, a second anode load resistor connecting said second device anode and said electron discharge tube anode to said operating potential applying means, means for applying signals to said electron discharge tube grid, means for applying a start pulse to said first device grid to render it conductive whereby said electron discharge tube transmits said signals and means for applying a stop pulse to said second device grid to render it conductive whereby transmission by said electron discharge device is stopped.

2,545,083
HIGH-SPEED SWITCHING CIRCUIT
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1948, Serial No. 18,054
3 Claims. (Cl. 250—27)



1. A high speed switching circuit including first and second gaseous conduction devices each having a grid arranged to control conduction of current between its anode and cathode, means for applying to said grids a potential whereby said devices are biased to cutoff, a common output lead for said devices, means interconnecting said devices so that a more positive potential is applied to said lead when the first of said devices conducts current and a more negative potential is applied to said lead when both of said devices conduct current, a switching circuit output lead, a driver tube having an anode and a pair of grids one of which is connected to said lead, means including an amplifier for applying oscillations to the other grid of said driver tube, means for applying operating potential to said amplifier, a capacitor and an inductor connected in parallel between said operaing potential applying means and the anode of said amplifier, means for deriving oscillations from the anode of said driver tube when the potential of said lead is more positive, and means independent of the potential of said lead for interrupting said oscillations.

2,545,084
FOLDABLE BOAT CONSTRUCTION
Viktor Harasty, Whitestone, N. Y.
Application October 16, 1948, Serial No. 54,919
1 Claim. (Cl. 9—2)



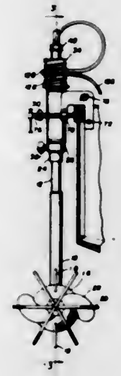
A foldable boat construction comprising a bottom frame piece having its ends turned upwardly, end plates fixedly connected to the upper ends of the bottom frame piece, other frame pieces with turned in ends pivotally connected by their ends to the plates and adapted to be pivoted upwardly to provide the shape of the boat, a flexible covering extended over the frame pieces and adapted to be stretched as the frame pieces are raised, and brace means in the ends of the boat adapted to be extended between the upper frame pieces and the bottom frame piece whereby to retain the frame pieces in their raised and extended positions, said brace means comprising rods with a turnbuckle extended therebetween, one of said rods being bent downwardly to be inserted through the top frame piece and having means on the downwardly bent end for preventing the frame piece from slipping downwardly from the bent end, and quick attachable means for securing the other rod to the bottom frame piece.

2,545,085
CYCLE LIGHT SWITCH
Le Roy R. Hardy, Alvin, Tex.
Application July 22, 1949, Serial No. 106,162
1 Claim. (Cl. 200—24)



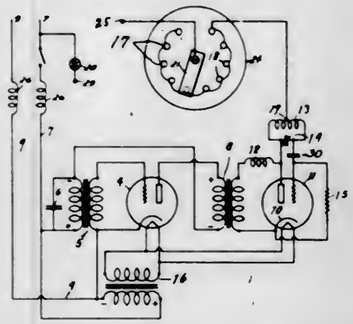
For use in an electric display system a device comprising a stationary cylinder having a cylindrical side wall and a bottom wall secured to said cylindrical side wall, a plurality of spaced insulated contact points inlaid in said side wall, said bottom wall having spaced thickened portions forming spacing means, said bottom wall having a central aperture therethrough, an annular rim about said aperture, a cover ring supported by said rim secured to said spacing means, a shaft journaled in said bottom wall and extending through said aperture, commutating members secured to said bottom wall extending through said cover ring, an inner disk rigidly secured to said shaft, an inner annular recess in the undersurface of said disk, a contact plate in said recess, said contact plate being engaged by said commutator members, a plurality of spaced commutator brushes secured to said disk, said commutator brushes being electrically connected to said contact plate, said commutator brushes successively engaging said contact points upon rotation of said shaft.

2,545,086
MOTOR GUIDE
Garrett H. Harris, Jackson, Miss.
Application April 11, 1947, Serial No. 740,849
8 Claims. (Cl. 115—18)



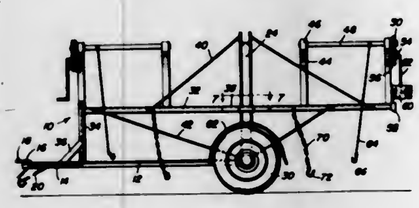
1. Means for directing and propelling a boat comprising a shaft, power means secured to said shaft, a sleeve on said shaft, a collar around said sleeve, means between said collar and said sleeve for resiliently and rotationally biasing said sleeve relative to said collar, releasable means for locking said sleeve to said collar, a drum removably secured to said sleeve having an electrical conductor attached thereto which connects with said power means, bi-planar pivotal means for securing said sleeve to a boat, and adjustable pedal and switch means having said conductor attached thereto for controlling said power means and for rotating said drum.

2,545,087
ELECTRICAL THERAPEUTIC DEVICE
Fred J. Hart, Salinas, Calif., assignor to Electronic Medical Foundation, San Francisco, Calif., a corporation of California
Application January 30, 1948, Serial No. 5,228
1 Claim. (Cl. 128—422)



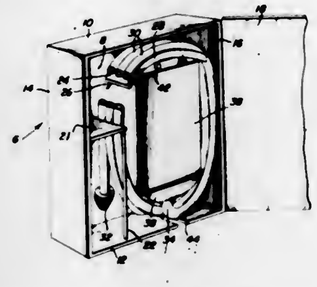
An electrical therapeutic device comprising a high frequency oscillator including an electron tube having cathode, grid and anode electrodes, an input circuit including said grid and cathode electrode, an output circuit including said anode and cathode electrode, transformers each having primary and secondary windings, the primary winding of one of said transformers being connected in series in said input circuit and the primary winding of said other of said transformers being connected in series with said output circuit through the secondary winding of said first mentioned transformer, a high frequency electrode, a step-by-step variable frequency adjustable inductance system comprising a frame, a plurality of switch points mounted on said frame, a plurality of inductance coils having their ends connected through said switch points in a series relation, with an open circuit between the first and last coils of the series, a shaft arrangement rotatably mounted in said frame and disposed equidistant from all of said coils, a switch arm carried by said shaft and having one end engaging one of said switch points and being selectively movable to successively engage each of the other switch points, a motor device mounted on said frame in insulated spaced relation to said coils and connected with said shaft, said arm being electrically connected in series with said high frequency electrode, a coupling circuit comprising an electron tube having cathode, grid and anode electrodes, a circuit between said anode and cathode electrodes through the secondary winding of said second mentioned transformer, a circuit comprising a high resistance path extending between said last mentioned cathode and grid electrode, a tank circuit including an inductance and an adjustable condenser, a connection between one end of said tank circuit and said last mentioned anode electrode, a connection between the other end of said tank circuit and said last mentioned grid electrode through a capacity element, a center tap connection from the inductance in said tank circuit with said series connected inductance coils whereby said switch arm operates to selectively adjust said inductance system for transferring high frequency oscillations generated in the circuits of said first mentioned electron tube through the circuits of said last mentioned electron tube to said high frequency electrode, condenser means for fixing the frequency of said output circuit of said first mentioned electron tube and transformer means connected with said electron tubes for supplying power to the cathodes and the circuits of said electron tubes.

2,545,088
TANK TRAILER
John W. Johns and Carl J. Ekart, Wamego, Kans.
Application September 17, 1947, Serial No. 774,452
2 Claims. (Cl. 214—75)



1. A trailer for hauling and unloading tanks comprising a substantially horizontally disposed wheeled frame, an upper substantially rectangular frame, means connecting and supporting said frames spaced relative to each other, a forward pair of spaced arcuate tank embracing bands fixed at their ends to said upper frame, a rear pair of spaced arcuate tank embracing bands fixed at their ends to said upper frame, longitudinally spaced first and second shafts journaled on the webs of said first pair of bands and said second pair of bands respectively, a forward flexible element fixed at one end to said first shaft and adapted to be wound thereon during the raising of a tank, a rear flexible element fixed at one end to said second shaft and adapted to be wound thereon during the raising of a tank, means for rotating said shafts independently of each other, means for locking the shafts in a selected rotated position, and means carried by the upper frame for supporting a tank in an elevated position.

2,545,089
IRRIGATION TANK AND CABINET COMBINED
Olive L. Ladewig, Constantine, Mich.
Application November 14, 1949, Serial No. 126,989
1 Claim. (Cl. 128—227)

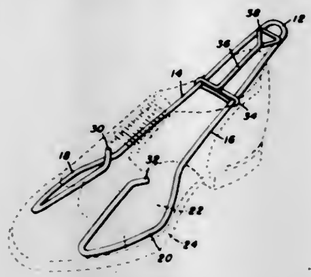


In a structure of the class described, a cabinet adapted to contain a hose equipped tank, said cabinet embodying a back wall, top, bottom and vertical side walls and a hinged door, a substantially arcuate adapter plate secured to the interior of the back wall and projecting into the cabinet, said plate constituting a hose adapter rack and the outer edge portion of the plate having an upstanding flange serving as a hose retaining lip, the bottom wall having a hose slot formed therein, a shelf at right angles to one of said side walls, said shelf being attached to said side wall and supported from the bottom wall by a leg, and an edge portion of the shelf being spaced in a predetermined manner from said adapter plate to provide accommodation space for coilings of a hose.

2,545,090
SHOE STRETCHER AND TREE
Michael F. Lau, Bridgeport, Conn.
Application August 18, 1949, Serial No. 110,970
1 Claim. (Cl. 12—128.4)

A shoe stretcher and tree comprising a strand of substantially U-shaped spring wire having divergent legs, said legs including opposed laterally offset arcuate portions for engaging and exerting a sidewise stretching action on the vamp of a shoe, means for engaging and exerting an upward stretching action on the vamp of a shoe, said means including upwardly extending rods carried at the ends of the legs and inclined towards the web of said U-shaped spring wire, said rods

including outwardly curved free ends, and a loop slidable on the legs for urging them together, said



loop including a handle and an eye on the handle for hanging the same on a support.

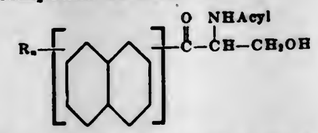
2,545,091
RETRACTABLE BRUSH HEAD
Jesse L. Livermore, New York, N. Y., assignor to Princess Eve Products Corp., New York, N. Y., a corporation of New York
Application June 19, 1948, Serial No. 34,120
3 Claims. (Cl. 15—184)



1. A brush assembly comprising a tubular handle having an axial slot therein extending from one end part way of its length, a brush element including a holder proportioned to telescope into the handle and having protruding brush filaments secured in one end thereof, a ferrule slidable upon the handle, connecting means between the holder and ferrule adapted to slide in the slot, a removable cap fitting on the handle over the open end of the slot, and a longitudinally extending spring strip formed in the wall portion of the handle body in the range of movement of the ferrule and having a raised boss disposed to engage the rear edge of the ferrule in its outer position.

2,545,092
ACYLAMIDO-HYDROXY-PROPIO-NAPHTHONES
Loren M. Long, Grosse Pointe Woods, and Harvey D. Troutman, Ferndale, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 21, 1950, Serial No. 139,955
7 Claims. (Cl. 260—562)

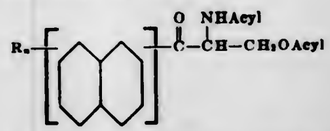
1. A compound of formula,



where n is one of the integers 1 and 2 and R is a member of the class consisting of hydrogen, halogen, nitro, lower alkyl and lower alkoxy radicals.

2,545,093
ACYLAMINO-ACYLOXY-PROPIONAPHTHONES
Loren M. Long, Grosse Pointe Woods, and Harvey D. Troutman, Ferndale, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 21, 1950, Serial No. 139,956
8 Claims. (Cl. 260—477)

1. A compound of formula,



where n is one of the integers 1 and 2 and R is a member of the class consisting of hydrogen, halogen, nitro, lower alkyl and lower alkoxy radicals.

2,545,094
ACYLATED AMINO DIOLS
Loren M. Long, Grosse Pointe Woods, and Harvey D. Troutman, Ferndale, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 21, 1950, Serial No. 139,957
7 Claims. (Cl. 260—487)

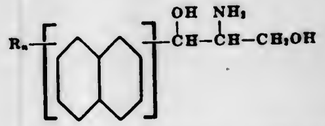
6. (dl)-ψ-1-(4 - nitro-1-naphthyl)-2-dichloroacetamido-3-dichloroacetoxypropane-1-ol.

2,545,095
POLYACYLATED AMINO DIOLS
Loren M. Long, Grosse Pointe Woods, and Harvey D. Troutman, Ferndale, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 21, 1950, Serial No. 139,959
7 Claims. (Cl. 260—487)

6. (dl)-ψ-1-(4-nitro-1-naphthyl)-2 - dichloroacetamido-1,3-diacetoxypropane.

2,545,096
NAPHTHYL-AMINO-PROPANEDIOLS
Loren M. Long, Grosse Pointe Woods, and Harvey D. Troutman, Ferndale, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application January 21, 1950, Serial No. 139,960
9 Claims. (Cl. 260—501)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where n is one of the integers 1 and 2 and R is a member of the class consisting of hydrogen, halogen, nitro, lower alkyl, and lower alkoxy radicals.

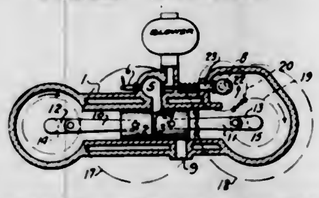
9. The (d)-tartaric acid salt of (l)-ψ-1-(4-nitro-1-naphthyl)-2-aminopropane-1,3-diol.

2,545,097
EYESHIELD
George R. Lucas, Detroit, Mich., assignor of fifty per cent to Raymond H. McLeod, Detroit, Mich.
Application December 19, 1947, Serial No. 792,745
2 Claims. (Cl. 2—12)



1. An eyeshield comprising a substantially rectangular blank of flexible material having inner and outer longitudinal edges, a pair of substantially U-shaped clips having their ends fixed to said material adjacent the inner longitudinal edge of said material, the webs of said U-shaped clips being spaced from the inner longitudinal edge of said material, a plurality of spaced parallel tear lines provided in the material and extending from and perpendicular to the inner longitudinal edge of said material and constituting forehead contacting tabs, and an endless elastic band trained about said clips and having spaced portions disposed between the webs of said clips and the inner longitudinal edge of said material.

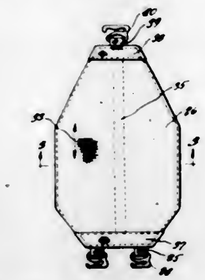
2,545,098
OPPOSED PISTON ENGINE
Marion Mallory, Detroit, Mich.
Application September 30, 1949, Serial No. 118,867
5 Claims. (Cl. 123—51)



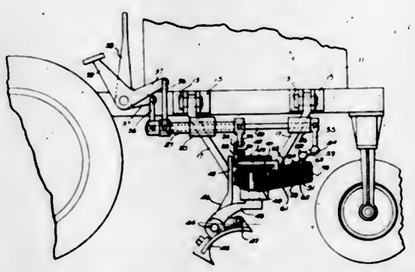
3. An internal combustion engine comprising a cylinder, opposed pistons in the cylinder, mechanical connections between the pistons reciprocating one of the pistons twice to one reciprocation of the other piston, means for burning a charge between the pistons, said connections positioning both pistons at inner dead center when the charge is fired, an exhaust port at the end of the cylinder in which the slow piston works and positioned at a point where the slow piston starts to uncover it when the fast piston has traveled from firing position to a point approximately 31° past outer dead center, a charging port midway longitudinally of the cylinder, and means to introduce air under pressure through the last said port substantially throughout the time during which the exhaust port is open.

2,545,099
PANTY CONSTRUCTION
Adelaide S. Mann, New York, N. Y.
Application September 12, 1947, Serial No. 773,579
5 Claims. (Cl. 128—287)

1. A pantie comprising a layer of pliable and stretchable material, fastening elements connected to the ends of the material for securing the pantie to the front and rear of a garment extended about the wearer so that the pantie will extend between the inner sides of the legs of the wearer and with sufficient tightness to be stretched thereover, and said fastening means including tabs having vertically-extending tapes having plurality of vertically-spaced loops adapted to be fixed to the garment and a stretchable piece secured to the pantie and having a hook thereon adapted for engagement with any one of the loops of the tapes.



2,545,100
GRAPE VINEYARD OR ORCHARD HOEING MACHINE
Frank L. McIntyre, Rochester, N. Y.
Application August 29, 1947, Serial No. 771,284
7 Claims. (Cl. 97—137)

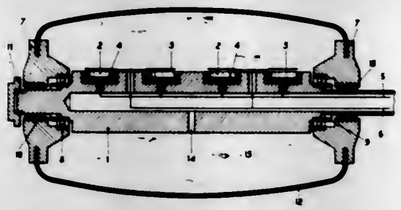


1. A hoeing machine of the kind described comprising a supporting frame for attachment to a tractor, a laterally extending arm rockable on said frame, means carried by said frame for raising and lowering said arm, a mold board supporting bracket rotatably mounted on the outer end of said arm, a mold board rockable on said bracket, means for rotating said bracket on said arm, and means carried by said arm engaging said bracket and said mold board operable upon rotation of said bracket for changing the angle of inclination of said mold board relative to said arm.

2,545,101
ROTATING DIAPHRAGM TRANSDUCER FOR SOLID MATERIAL TESTING
Marcel Meunier, Cuesmes, Belgium, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium, a Belgian societe anonyme
Application December 6, 1948, Serial No. 63,780
In France December 19, 1947
9 Claims. (Cl. 171—327)

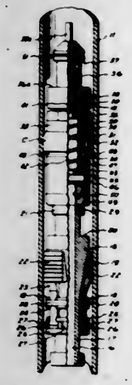
1. A turgescent transducer for elastic waves, comprising a support, a container mounted rotat-

ably around said support and having a circumferential wall made of flexible material, a wave-translating element mounted upon said support in the interior of said container, and a liquid under



pressure filling said container between said wall and said element, said liquid being a good conductor of elastic waves and the pressure of said liquid distending said wall to protuberant shape.

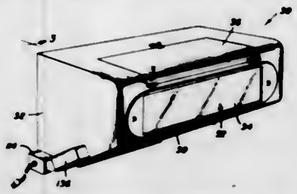
2,545,102
MEANS FOR LOCATING LEAKS IN WELL PIPES
Ira A. Miller, Dallas, Tex.
Application November 17, 1947, Serial No. 786,529
5 Claims. (Cl. 73—40.5)



1. Means for locating leaks in well flow conductors in place in a well including, a stop member insertable into the bore of the well flow conductor to be anchored at a position below the leak, said stop member having a passage for permitting flow of fluids therepast through the conductor, and a movable closure member insertable into the tubing to engage and be positioned by the stop member, said closure member having means for sealing off the bore of the flow conductor, whereby fluid pressure from below the stop member may be utilized to move the movable closure member upwardly in the flow conductor.

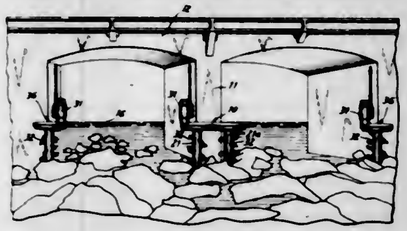
2,545,103
DISPLAY APPARATUS
Enrique Monserrat, Manila, P. I.
Application May 5, 1949, Serial No. 91,495
8 Claims. (Cl. 40—36)

1. In a display apparatus, the combination of a plurality of individual display panels nested one upon another in a stack and having display material on upper and lower surfaces thereof, a pair of rotary carriers provided at the ends of said panels and including a set of conveying fingers which are movable in and out of engagement with the ends of said panels whereby the latter may be individually and successively conveyed from the bottom of the stack to an exhibiting station and thereafter deposited in an inverted position at the top of the stack, means for rotating said carriers, and a pair of stationary



cam members mounted adjacent the respective carriers, said fingers being engageable with said cam members when the carriers are rotated, whereby to move the fingers in and out of engagement with said panels.

2,545,104
ICE JAM REMOVER FOR BRIDGES
John Musial, Detroit, Mich.
Application August 25, 1948, Serial No. 46,080
3 Claims. (Cl. 14—76)

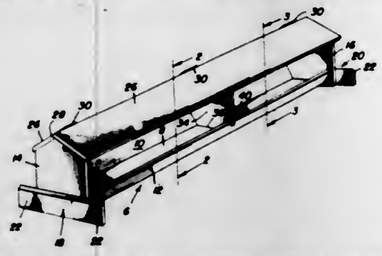


1. An improved ice-jam remover for a pier of a bridge extending over a flowing body of water, said remover comprising a frame work mounted on the pier and including on the side facing the oncoming water, two horizontal shelves spaced vertically from each other and extending on each side of the face beyond its limits, a vertical cylinder mounted for rotation on each side of the face between the extended portions of the shelves, power means to rotate the cylinders in opposite directions diverging from the vertically central portion of the face of the pier, and a plurality of claws on each cylinder having claws bent in the direction of rotation of said cylinder.

2,545,105
CHICKEN FEEDING TROUGH
Wilho V. Niskala, Minneapolis, Minn., and George E. Niskala, Tooele, Utah
Application November 14, 1949, Serial No. 127,060
1 Claim. (Cl. 119—61)

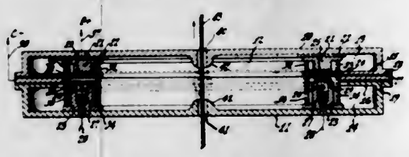
A chicken feeder of the class shown and described comprising a horizontally elongated open top trough embodying a flat horizontal bottom wall and longitudinal opposed upwardly and outwardly inclined side walls attached to said bottom wall, vertical end walls attached to and closing opposite ends of said trough, said end walls being of widths greater than the cross section of the trough, said end walls extending to vertical planes well above the plane of the open upper portion of the trough and the upper ends of said vertical walls being of inverted V-shaped configuration, a horizontally disposed outwardly and downwardly inclined board spanning the space between

said vertical end walls and having its end portions attached to coacting upper end portions of said end walls, a second horizontally disposed board spanning the space between said vertical end walls and having its end portions resting on but not attached to the underlying edge portions of said vertical end walls, one longitudinal edge being hingedly connected to the corresponding edge of the first-named board, the outermost lon-



gitudinal edge portions of said boards constituting roof eaves and overhanging and projecting beyond the underlying upper edge portions of the side walls of said trough, and a vertically disposed partition having an upper end portion underlying coacting mid-portions of said boards and having a lower end constituting an apron, the latter extending down into the trough and dividing the trough into independently usable compartments.

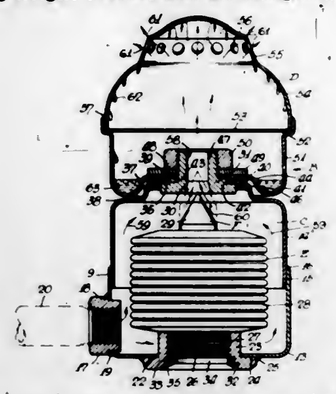
2,545,106
APPLICATOR FOR RADIO-FREQUENCY HEATING
William N. Parker, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1948, Serial No. 24,380
6 Claims. (Cl. 219—47)



1. An R.-F. heating applicator comprising a casing having a central radial cavity joined at its outer periphery by two substantially parallel radial cavities of annular form, an annular disc-ring electronic tube oscillator located at the junction of said cavities, said central cavity being of a radial length of substantially an integral number of half wavelengths, whereby said cavities are resonated to provide a concentration of R.-F. power at the center of said structure and of said central cavity, and means providing electrodes at the center of said central cavity for applying R.-F. energy to a work load.

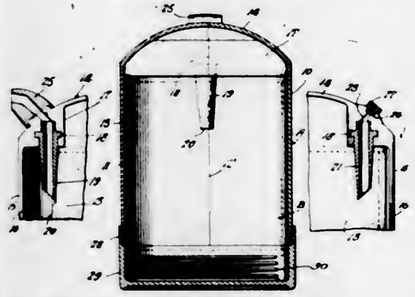
2,545,107
HOUSEHOLD HEATING SYSTEM
Walter S. Peper, Flushing, N. Y.
Application August 13, 1946, Serial No. 690,229
6 Claims. (Cl. 237—78)

1. In a fluid heating system, an air vent device comprising a lower casing provided with a thermostatically controlled valve and an upper casing in communication with said lower casing serving as a breather casing and means to connect said lower casing to said system, said casings being formed of intertelescoping cup-shaped shells soldered together, said upper and lower casings being of substantially the same diameter and same height and said upper casing being provided with a fine mesh screen extending transversely across said upper casing midway of the height thereof and an elongated threaded



nipple connecting the upper casing in fluid-tight manner to the lower casing and establishing communication therebetween, the bottom of the upper casing being domed upwardly and the top of the lower casing being also domed upwardly to conform to the bottom of said upper casing.

2,545,108
CANNED LIQUID DISPENSER
Israel Putnam, Jr., Sayre, Pa.
Application May 12, 1947, Serial No. 747,457
2 Claims. (Cl. 222—86)

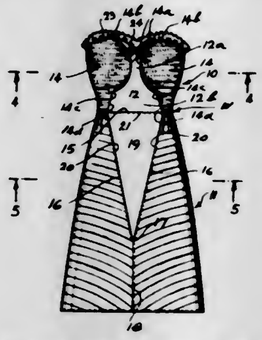


1. A device of the kind described, comprising a central longitudinally split container-receiving body dividing it into two separable edge interfitting sections, effecting dome and open base ends, a base-closing section detachably engaging the body to separably hold its sections together at its open base end, air venting and dispensing punches, respectively, interposed between the sections at the dome end and removably socketed therein at confronting edges of the body sections when interfitted to each other, and a pouring spout common to the dispensing punch and separably interlocking the body sections at the dome end of the body.

2,545,109
STRAPLESS SLIP
Sylvia Roodner, New York, N. Y.
Application July 28, 1950, Serial No. 176,374
2 Claims. (Cl. 2—73)

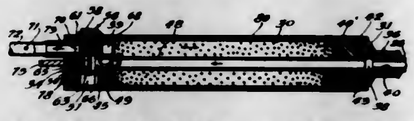
1. A strapless slip comprising a bodice section and a depending skirt section connected to each

other about the waistline of the garment, said bodice section consisting of an elastic panel and a non-elastic front bust separating insert, the said elastic panel extending around the back of the bodice section to form the rear part thereof and into the front of the said bodice to form a pair of spaced and complementary bust supporting members, the said elastic panel being cut to present at the front of the bodice section a pair of spaced curved convex edges to follow the junction line of the breasts, the said curved convex



edges tapering outwardly from the lower point thereof to the waistline of the slip, the front bust separating insert being stitched to said curved and angular edges, the said insert having a relatively narrow upper portion and a flared wide lower portion, the side edges of said upper portion being concavely cut and being stitched to the front curved convex edges of the elastic panel, the side edges of the lower portion of said insert being angularly cut and being stitched to the front angular edges of said elastic panel.

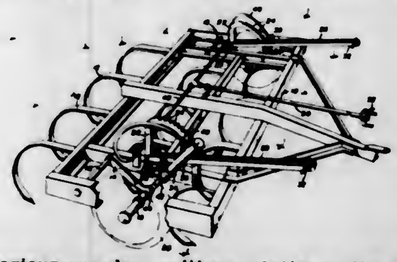
2,545,110
SOAP-SOLUTION PRODUCING HAND BRUSHING APPARATUS
Charles H. Schaar, Chicago, and Grady J. Zilligen, Hazel Crest, Ill.
Application September 3, 1947, Serial No. 771,930
11 Claims. (Cl. 15—129)



1. A washing apparatus comprising a body member having a soap receptacle therein, a brushing member connected to said body member, means for feeding liquid into said soap receptacle, and means for feeding liquid past said first named means substantially transversely thereto in liquid contact with liquid in said first named means and onto said brushing member to thereby withdraw liquid from said first named means and discharge it onto said brushing member.

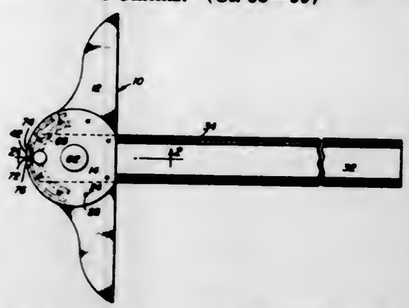
2,545,111
HYDRAULIC LIFT FOR WHEELED FARM IMPLEMENTS
Gideon Schaubert, Bowdon, N. Dak.
Application January 20, 1948, Serial No. 3,187
1 Claim. (Cl. 97—50)

In a farm implement having a main frame carrying a group of earth-working implements, a pair of lift arms adjacent opposite ends of the main frame, one end of each arm being pivoted to the frame, a ground-contacting wheel mounted on the opposing end of each lift arm remote from that which is pivoted to the main frame, said wheels being rotatable about a common axis and supporting the frame in spaced relation to the ground upstanding two quadrants mounted on the frame adjacent the ends of the frame and the lift arms, a hand lever pivotally secured to each quadrant adjacent the main frame, and a latch on each hand lever for cooperation with an adjacent quadrant in holding its respective lever



in various angular positions relative to the main frame, the improvement which comprises a hydraulic cylinder pivoted to each lever, a piston rod extending axially through one end of each cylinder and being connected to an adjacent lift arm for moving said arm relative to the frame and common conduit means for the cylinders mounted on the frame.

2,545,112
DRAWING INSTRUMENT
John T. Sheridan, Columbia, Ill.
Application September 23, 1949, Serial No. 117,455
3 Claims. (Cl. 33—99)



1. A drafting instrument comprising first and second cross-heads, a straight edge secured to said first head and disposed perpendicular to said first head, a pivot securing the cross-heads together, a protractor mounted on said second cross-head, a pointer on said first cross-head for registering with the protractor, a bolt extending through said straight edge and said cross-heads for guiding the rotation of the first cross-head relative to the second cross-head about the pivot, a holding nut threaded on said bolt for retaining the first cross-head in a selected rotated position about the pivot, said second cross-head having an arcuate slot therein, said slot being substantially key shaped in cross section with the enlarged portion of the slot at the underside of the second cross-head, and a plate secured to the underside of said second cross-head and concealing said slot and preventing foreign matter from collecting in said slot, said bolt having a multi-sided head slidably and non-rotatably received in the enlarged portion of said slot.

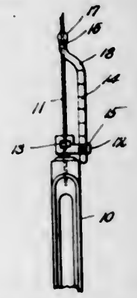
2,545,113
ADDITION AGENTS FOR MINERAL OIL LUBRICANTS
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 8, 1947, Serial No. 790,440
9 Claims. (Cl. 252—42.7)

1. The process which comprises reacting an aqueous slurry of 1 mol of a metal hydroxide selected from the group consisting of barium, strontium, magnesium and calcium hydroxides with from 2 to 4 mols of formaldehyde at a temperature not exceeding 200° F. and condensing the resulting product at a temperature not exceeding about 200° F. with from 0.5 to 1 mol of aniline and from 2 to 4 mols of a mono-alkyl phenol having from 4 to 12 carbon atoms in the alkyl substituent.

2,545,114
LUBRICATING GREASE COMPOSITION
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1948, Serial No. 41,706
9 Claims. (Cl. 252—40.7)

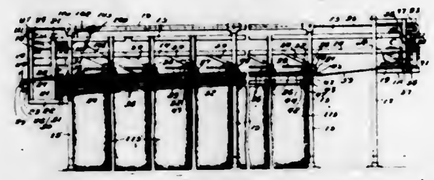
1. A grease composition comprising a mineral lubricating oil thickened to a grease by a soap, and a small amount of the reaction product prepared by reacting an aqueous slurry of 1 mol of a metal hydroxide selected from the group consisting of barium, strontium, magnesium and calcium hydroxides with from 2 to 4 mols of formaldehyde at a mildly elevated temperature and condensing the resulting product with from 0.5 to 1 mol of aniline and from 2 to 4 mols of a mono-alkyl phenol having from 4 to 12 carbon atoms in the alkyl substituent, said product being present in an amount sufficient to stabilize the grease against oxidative deterioration.

2,545,115
DENTAL SYRINGE
Anthony J. Son, Boston, Mass., assignor to Sonco, Inc., Mattapan, Mass., a corporation of Massachusetts
Application March 9, 1950, Serial No. 148,551
3 Claims. (Cl. 128—215)



3. A dental syringe comprising in combination, a syringe body, an injection needle, a locking member interposed between said needle and said syringe body, and a rod member adjustably secured to said locking member, the rearward portion of said rod member being parallel to the axis of said needle and spaced away therefrom, the forward end portion of said rod member having a bore for receiving the forward end portion of said needle and a portion of said rod member being curved with respect to the axis of the needle to provide a curved shoulder which affords a tongue or cheek pushing member offset from the needle point.

2,545,116
PACKAGE ASSORTING MACHINE
John R. Sousa, Silver Spring, Md.
Application November 16, 1948, Serial No. 60,269
9 Claims. (Cl. 214—11)

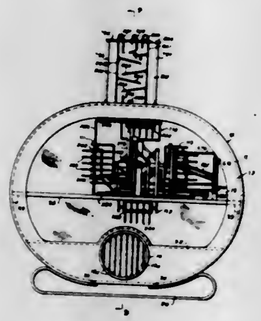


1. A parcel sorting conveyor comprising a horizontally disposed track, a carrier mounted to travel in said track, said track including a plurality of stations, cables trained over pulleys at opposite ends of the track and connected to the carrier, means operating the cables, means in the operating means for reversing the direction of the travel of the cables and carrier, trip means at the stations for stopping the cable operating means to stop the carrier, a plurality of manually actuated levers positioned on a shaft extended across the starting end of the track, bell cranks pivotally mounted on a vertically disposed shaft at one side of the track, means independently connecting the levers to the bell cranks, rods connecting the bell cranks independently to levers at the different stations for setting the trip means from the starting end of the conveyor, means actuated by the trip means for starting the said reversing means as the carrier arrives at the station, and means actuated by the carrier as it returns to the starting position for actuating the cable operating means to the inoperative position.

2,545,117
CHECK CONTROLLED PHONOGRAPH RECORD PLAYING AND SELECTING MECHANISM
George F. Starnes, Hickory, N. C., assignor to Paul B. Eaton, Charlotte, N. C.
Application March 8, 1949, Serial No. 80,309
19 Claims. (Cl. 194—15)

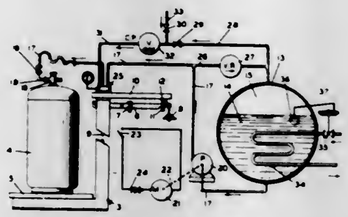
1. A selectively operable phonograph for playing phonograph tablet records comprising a cam shaft, an electric motor for driving the cam shaft, a magazine carriage rotatably mounted on the cam shaft, said magazine carriage having a plurality of rotatable magazines mounted on the periphery of the same, each of said rotatable magazines having a plurality of superposed tablet phonograph records therein, a manually operated selector mechanism, a coin receiving mechanism, means normally rendering the selector mechanism inoperable, means operable upon inserting a coin in the coin receiving mechanism to render the selector mechanism operable, means responsive upon manually operating the selector mechanism to release the coin in the coin receiving mechanism, a tone arm swingable about its axis

and movable along its axis, electrically controlled means for driving the records in the selected magazine, cam means on the cam shaft for transmitting rotation to the magazine carriage, mechanical means controlled by the manually operated selector mechanism for arresting rotation of the magazine carriage with a selected magazine



in a position adjacent the tone arm, cam means on the cam shaft for transmitting rotation to the magazine positioned adjacent the tone arm after it has been selected, a mechanical connection between the selector mechanism and the selected magazine to arrest rotation of the selected magazine to position a record for presenting a selected side for engagement by the tone arm.

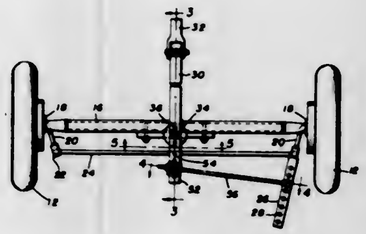
2,545,118
SYSTEM FOR FILLING CONTAINERS BY WEIGHT
Theodore A. St. Clair, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 28, 1945, Serial No. 619,187
12 Claims. (Cl. 249—63)



3. A container filling system for filling a container having an inlet with a measured weight of volatile liquid comprising in combination a scale adapted to support and weigh said container, a source of said liquid having a vapor outlet and a liquid outlet, a liquid line connected to said liquid outlet and to the inlet of said container, a motor valve controlling flow in said liquid line, a supply of fluid at a constant pressure comprising a vapor line connecting said vapor outlet and the inlet of the motor of said motor valve and a constant pressure controlling regulator in said vapor line, and valve means controlled by said scale for admitting said fluid to said motor of said motor valve to close said motor valve when said container and contents reach a predetermined weight.

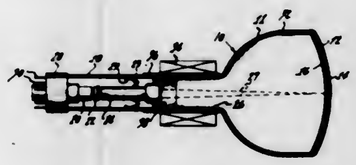
2,545,119
TRAILER HITCH ASSEMBLY
Verlin K. Stratton and David A. McClellen, North English, Iowa, assignors to Alva Allen, North English, Iowa
Application March 24, 1947, Serial No. 736,650
4 Claims. (Cl. 280—33.55)

1. A trailer hitch assembly for use with four-wheel trailers having front wheels mounted on spindles pivoted on the ends of an axle, comprising a pair of steering arms rigidly connected to said spindles, a tie rod connecting said arms, a tongue pivotally secured to said axle, and an inflexible link securable to said tongue, an extending portion on said one of said steering arms,



said link being adjustably and directly secured terminally to said extending portion, so that the link is adjustable as to its operatively effective length, said extending portion being disposed at an acute angle with the longitudinal center line of the trailer when the tongue is parallel to said center line.

2,545,120
CATHODE-RAY TUBE ARC-OVER PREVENTIVE
Lloyd E. Swedlund, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1948, Serial No. 11,623
13 Claims. (Cl. 250—141)



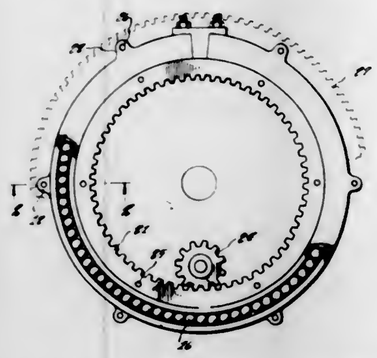
1. A cathode ray tube comprising an envelope, a first anode electrode mounted within said envelope and adapted to be maintained at an operational potential, said first anode electrode spaced from the wall of said envelope, a second anode electrode including a conductive coating on the inner surface of said wall, lead means connected to one portion of said second anode coating for connecting said second anode to a source of higher potential relative to that maintained on said first anode electrode during tube operation, and means of high electrical resistivity electrically connected to another portion of said second anode coating and between said first anode electrode and said one portion of said second anode coating.

2,545,121
MULTIPLE-USE SHEATH KNIFE
Ted V. Szopa, Dallas, Tex.
Application April 13, 1948, Serial No. 20,801
6 Claims. (Cl. 30—152)



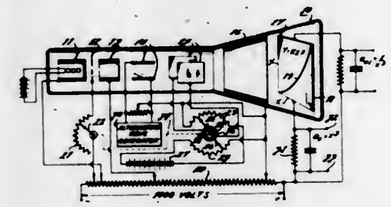
1. In a multiple-use sheath knife, a handle having an axial socket therein, a first blade having a shank fixed in said socket with the blade extending in axial alignment therefrom, a second blade, a shank on said second blade slidably fitted on the shank of the first blade and nested therewith in the handle, locking means for detachably securing said shank of the second blade within the handle, said second blade being flat and larger than the first blade and having a recess formed axially in one of its side walls for the reception of the first blade which when the shank of the second blade is locked in the handle is inoperatively disposed in said recess.

2,545,122
ATTACHMENT FOR REVOLVING EQUIPMENT
Claude A. Thompson, Victoria, Tex.
Application September 27, 1949, Serial No. 118,111
1 Claim. (Cl. 308—221)



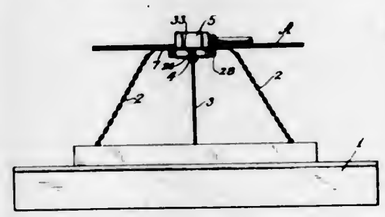
A ball bearing attachment having upper and lower races, each of said races having grooves therein, balls disposed between the grooves of the races, one of said races having a recess extending through the inner and outer peripheries thereof and through which balls may be inserted or removed, the sides of said recess having guide formations, a removable section slidable into the recess and having guide formations engaging with the respective guide formations of the recess, said removable section having flanges adapted to abut the outer periphery of the race, said removable section having an arcuate groove conforming generally to the groove of the races to permit the movement of the balls under the section, and means for securing the flanges of the section upon the periphery of the race.

2,545,123
COMPUTING DEVICE
William A. Tolson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Substituted for application Serial No. 673,016, May 20, 1946. This application December 22, 1948, Serial No. 66,674
5 Claims. (Cl. 315—21)



1. The combination of a cathode ray device including a first pair of deflectors for deflecting said ray along a first axis, a second pair of deflectors for deflecting said ray along a second axis, and a target member having a part of its boundary in the form of a curve defining the relation between first and second variables with respect to said axes, means for indicating potentials representative of different values of said first variable, means for applying said indicated potentials to said first pair of deflectors, and means for applying to said second pair of deflectors an alternating potential of a wave shape having a finite slope and having an amplitude just sufficient to move said ray across said target whereby currents representative of the values of said second variable are made available at said target member.

2,545,124
FIXTURE HANGER FOR OUTLET BOXES
Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application March 17, 1945, Serial No. 583,333
8 Claims. (Cl. 248—343)



1. The combination with a box open at one side, of a hanger spanning said side and projecting in both directions beyond the box, means on the hanger to support a receptacle in an exposed

position, and a box cover positioned outwardly from the hanger and having an opening in position to register with the receptacle.

2,545,125
IMAGE-FORMING COMPOSITION AND A PROCESS OF MAKING IT
Charles H. Van Dusen, Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1947, Serial No. 726,737
4 Claims. (Cl. 106—27)

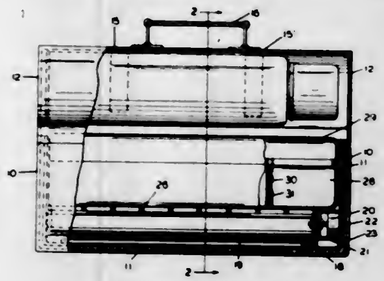
1. An image-forming composition which is especially adapted for use in forming direct images upon planographic printing plates, said image-forming composition consisting of a solution of a nigrosine base black dye in tricresyl phosphate glycol mono-laurate as a diluent, and containing stearic acid introduced into the composition as an initial ingredient thereof in an amount not substantially less than two per cent nor substantially more than four per cent of the composition, by weight, said image-forming composition being substantially free of carbon black.

2,545,126
PROCESSING OF FATTY ACIDS AND MAKING GREASE THEREFROM
William B. Whitney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application June 7, 1948, Serial No. 31,595
10 Claims. (Cl. 252—39)

1. An improved method for making grease which comprises the steps of improving at least one material selected from a group of saturates consisting of fats, fatty acids, and soaps of fatty acids, which saturates contain as impurities unsaturates of a chemical type similar to said saturates, by heating at least one of said saturates having between ten and twenty-four carbon atoms per molecule in the presence of an excess of an anhydrous alkali at a temperature between 300° C. and the scorching temperature of the saturate material for between 15 and 45 minutes, whereby said unsaturates are decomposed and saponifiable materials are saponified; reacting resulting soap with a mineral acid to liberate free organic acids; recovering organic acid materials from said resulting mixture; washing said organic acid materials; resaponifying said organic acid materials by heating with a stoichiometric amount of a metal base; incorporating resulting soap in oil by heating and rapidly cooling the soap-oil mixture to form a gel.

2,545,127
LUNCH RECEPTACLE
Joseph R. Wnuk, South Milwaukee, Wis.
Application February 4, 1949, Serial No. 74,625
3 Claims. (Cl. 219—19)

1. A device of the character described comprising in combination a receptacle, a cover for said receptacle, the bottom and side walls of said receptacle being insulated, means within said cover for supporting a liquid container, said receptacle provided with an electrically energized heating element, a rheostat disposed within one of the walls of said receptacle, said rheostat provided with a revolving control member, a pair of contact points disposed within the walls of said receptacle, a flat, horizontal grill disposed within said receptacle at a point above said heating element, a removable partitioned container



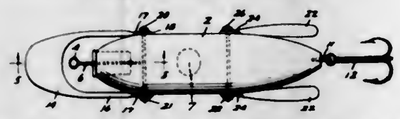
disposed above said grill, said container provided with a separate cover.

2,545,128
BOAT TRAILER
John L. Young and Vincent E. Carleton, Benton, Ark.
Application November 15, 1949, Serial No. 127,338
4 Claims. (Cl. 214—75)



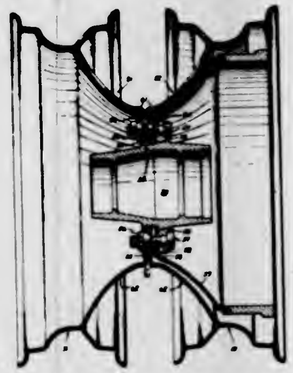
1. A boat trailer comprising an elongated tongue having a downwardly extending portion at its forward end, a hitch element secured to said tongue at the end of said downwardly extending portion, an arched structure of a size to receive a boat therein secured substantially at its mid-length location to the rear end of said tongue and disposed substantially perpendicular to the latter, an inverted U-shaped fork secured to each end of said arched structure, a wheel journaled in each fork, two diagonal braces disposed at respectively opposite sides of said tongue and connected at their front ends to said tongue near the downwardly extending portion of the latter and intermediate their length to said arched structure near respectively opposite ends of such structure, said braces extending rearwardly of said arched structure, a roller journaled on said braces rearwardly of said arched structure, flexible means depending from said roller and windable thereon for lifting a boat into said arched structure, a flexible band disposable below a boat in said arched structure, spring supported means carried respectively by said braces rearwardly of said roller and engageable with said band at the respectively opposite ends of the latter to support a boat in said arched structure, a U-shaped guard rail secured substantially at its mid-length location to said tongue adjacent said hitch element and at its ends respectively to said forks at the outer sides of the latter, a curved brace extending from each diagonal brace to the adjacent side of said guard rail, and means carried by said tongue near said downwardly extending portion for attaching an end of a boat to said tongue.

2,545,129
ARTIFICIAL FISH BAIT
William Perry Zeigler, Fairoaks, Pa.
Application July 3, 1946, Serial No. 681,372
1 Claim. (Cl. 43—42.22)



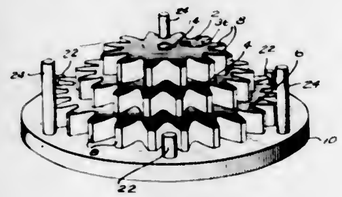
A fishing plug comprising a body having the configuration of a fish, said body having a countersunk portion in the front end thereof, a line attaching ring extending into said countersunk portion and secured to said body, an elevator including an intermediate portion positioned forwardly of said line attaching ring, and a pair of arms extending rearwardly from the intermediate portion of said elevator and lying in the same plane as the latter, said arms being positioned on opposite sides of said line attaching ring, a first shaft extending transversely through said body adjacent the front end thereof, the rear ends of said arms being bent at right angles to the main portions of said arms and pivotally connected to said first shaft, a second transverse shaft extending through the rear portion of said body and arranged in spaced parallel relation with respect to said first shaft, a pair of rear stabilizers mounted on opposite sides of said body, said stabilizers each having their front end bent at right angles with respect to the major portion of said stabilizer, the front ends of said stabilizers being pivotally connected to said second shaft, and a plurality of hooks secured to said body.

2,545,130
VEHICLE WHEEL
Charles S. Ash, Milford, Mich.
Application April 14, 1947, Serial No. 741,265
2 Claims. (Cl. 301—63)



2. A vehicle wheel for mounting in dual relationship comprising a web element having a corrugated annular mounting portion radially inwardly thereof comprised of axially offset portions, alternate ones of said last portions being adapted to abut a substantially plane hub mounting surface when positioned adjacent thereto and be spaced from corresponding portions on a duplicate wheel mounted adjacent thereto in opposite facing relationship, while the other alternate ones of said last portions are adapted to be spaced from said hub mounting surface and abut corresponding portions on such a duplicate wheel when so mounted, a turned continuous annular bead portion immediately radially outwardly of said mounting portion having an annular surface lying in the same plane substantially normal to the axis of the wheel as said other alternate ones of said portions to abut the same bead portion on such a duplicate wheel when so mounted and another curved portion extending from said bead portion to the rim of the wheel the tangents of said other curved portion forming angles with a line normal to the axis of the wheel of decreasing size as such tangents are taken from radially inwardly to radially outwardly of said other curved portion.

2,545,131
GEAR TOY
Waldemar Ayres, Kew Gardens, N. Y.
Application January 12, 1946, Serial No. 640,752
9 Claims. (Cl. 35—49)

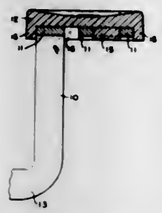


7. A toy comprising at least three intermeshable gears of differing radial dimensions and each having a central pivot-receiving hole, a base having pivot-receiving holes therein at various spacings, between centers, corresponding, respectively, to sums of the pitch radii of different pairs of said gears, and pivots removably fitting the holes in said base and the central holes of said gears, both being closely fitted and at least one having a free sliding fit and on which said gears may be mounted to turn in different intermeshing combinations and in which toy the gears have both pivot holes and handle-receiving holes and which further comprises a link having at one end thereof a hole to fit over a pivot or a crank pin and having intermediate between the ends thereof an elongated slot of a width to receive with sliding fit a pivot or a crank pin, said link having at its end remote from the crank pin or pivot receiving hole a second hole adapted to receive a scriber.

2,545,132
FROTH FLOTATION OF ORES IN THE PRESENCE OF AN α,α-DIALKYLARYLMETHYL HYDROPEROXIDE
William T. Bishop and Eugene J. Lorand, Wilmington, Del., and John E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1948, Serial No. 36,268
7 Claims. (Cl. 209—166)

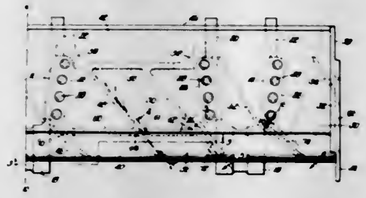
1. In the method of beneficiating ores by froth flotation, the step which comprises aerating a pulp of the ore containing a collector and from about 0.01 lb./ton to about 1 lb./ton of the ore of a frother consisting of a substantially pure α,α-dialkylarylmethyl hydroperoxide.

2,545,133
TYPEWRITER AND LIKE SEPARABLY INTERFITTED STEM AND MOLDED CAP KEYS
Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application April 15, 1949, Serial No. 87,814
12 Claims. (Cl. 197—102)



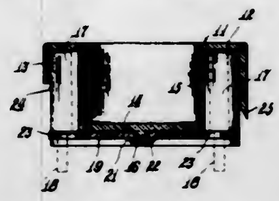
1. A typewriter and like key comprising a metal key stem having a plate-like head part at one end thereof formed with an aperture which extends from face to face of said head part, and a plastic key cap removably seated on said plate-like head part and having a tubular holding projection which snugly embraces the outer perimetrical edge of said head part substantially entirely around said edge, said key cap also having an additional holding projection which extends longitudinally of said tubular projection and is located within said tubular projection and is snugly embraced by the perimetrical edge of said aperture substantially entirely around said edge.

2,545,134
CONVEYER
Corey C. Brayton, Oakland, Calif., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application August 14, 1946, Serial No. 690,413
4 Claims. (Cl. 198—195)



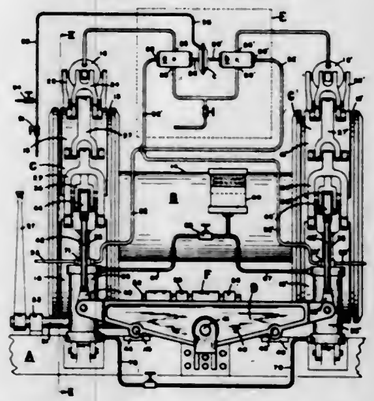
1. A segment of an endless conveyor, which conveyor is made up of a plurality of such segments flexibly connected in overlapping relation, so that said conveyor is adapted to carry material on the upper run thereof, a plurality of spill ribs on the bottom surface of said segment disposed diagonally to the line of movement of said conveyor, each said spill rib extending outwardly away from the longitudinal axis of said conveyor in a direction opposite to said direction of movement of said conveyor toward one of the marginal edges of said segment and at least one reinforcing member on the bottom surface of said segment disposed transversely with respect to the longitudinal axis of said conveyor and intersecting at least one of said spill ribs, said reinforcing member having an opening therein adjacent the outer edge of each intersected spill rib that extends beyond said reinforcing member substantially in the direction of movement of said conveyor.

2,545,135
COMBINATION RECEPTACLE AND HOLDER
Santo L. Cerniglia, Chicago, Ill.
Application June 4, 1947, Serial No. 752,438
2 Claims. (Cl. 312—207)



1. A fixture of the character described, comprising a circular top wall, a peripheral wall depending from the top wall, a central depression in said top wall, said depression including a bottom wall spaced above the bottom edge of the peripheral wall and a surrounding wall uniformly spaced from said peripheral wall to define an inverted channel between the peripheral and surrounding walls, a disc disposed in the plane of and rotatably mounted on the bottom face of said bottom wall, said disc having a diameter smaller than the inside diameter of said peripheral wall, and means in said disc to support a plurality of headed instruments in position with their heads extended into the inverted channel, said implements being engageable with said disc through an opening in said peripheral wall.

2,545,136
POWER BRAKE FOR HOISTING DRUMS
Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application May 13, 1948, Serial No. 26,843
5 Claims. (Cl. 188—82)



1. A brake assembly adapted to be applied to a hoisting drum mounted on a frame for rotation about a fixed axis and defining cylindrical surfaces adapted to be engaged with friction surfaces of brake band comprising, in combination, a first brake band mounted on the frame for restricted arcuate movement about an axis coinciding with the axis of the hoisting drum, a second brake band mounted on the frame for restricted arcuate movement about an axis coinciding with the axis of the hoisting drum, first power activated means adapted for engaging said first brake band with the drum, second power activated means for engaging said second brake band with the drum, switching means for activating said first and second brake bands either simultaneously or alternatively, a lever, means pivoting the center of the lever to said frame, a first linkage oscillatable in two planes connecting an end of said lever to said first brake band and a second linkage oscillatable in two planes mechanically connecting the other end of said lever to said second brake band.

2,545,137
CORROSION INHIBITORS
Werner David, Battersea, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 14, 1947, Serial No. 734,875. In Great Britain March 20, 1946
6 Claims. (Cl. 106—14)

1. A composition for displacing moisture from and preventing corrosion of metals having the following formula and proportions:

	Per cent by weight
Light petroleum hydrocarbons boiling between about 50 to 370° C	78
Blown rape oil	7.5
Petrolatum	7.5
Na salt of sulfonic acid derived by direct sulfonation of a petroleum fraction containing at least 5% aromatics	2.0
Diacetone alcohol	5.0

2,545,138
CORROSION INHIBITING COMPOSITIONS
Werner David, Chester, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 2, 1948, Serial No. 5,907. In Great Britain June 30, 1947
9 Claims. (Cl. 252—33)

1. A corrosion- and rust-inhibiting lubricating composition adapted to displace moisture from metal surfaces prior to being metal worked and prevent corrosion, said composition having the following formula and proportions:

	Per cent by weight
Mineral lubricating oil	85 to 95
Sodium salt of petroleum naphthasulfonic acid derived from a petroleum naphtha containing from 5 to 10% aromatics	2 to 5
Blown rape oil	3 to 5
Methyl cyclohexanol	5 to 10

2,545,139
STEP PLATE
Lee Eugene Elfes, Detroit, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application July 8, 1948, Serial No. 37,592
3 Claims. (Cl. 280—163)



1. A tractor step plate for a tractor having a laterally projecting step rod thereon comprising, in combination, a flat foot-supporting portion arranged to extend fore and aft alongside the tractor body, a hanger plate at the front end of said flat portion and extending upwardly therefrom, said hanger plate having at its upper edge a curled over hook portion adapted to snugly hook over the step rod, and a bracket at the rear end of said flat portion extending inwardly toward the tractor body and having an upright end portion adapted to be fastened to the tractor body, said bracket serving as a cantilever support for said flat portion of the step plate.

2,545,140
ROTATING MEANS FOR SCREW CONVEYER HOUSINGS
Edward P. Escher, Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application October 1, 1947, Serial No. 777,192
8 Claims. (Cl. 198—213)



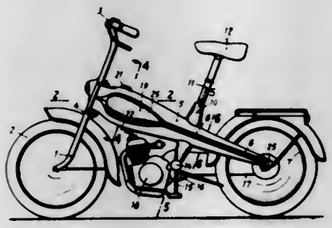
1. A screw conveyor apparatus comprising, a series of conveyor housing sections, screw conveyor mechanism comprising a series of connected conveyor sections, one inside each of said housing sections, bearing housing sections coupling the adjoining ends of the conveyor housing sections and providing bearing means for corresponding ends of the conveyor sections, supporting hangers at the several joints between said conveyor housing sections and provided with bearing means for journaling said conveyor housing sections, and rotating means operative to rotate said conveyor housing sections independently of the operation of said conveyor mechanism.

2,545,141
CONVEYER HOUSING ROTATING MEANS
Edward P. Escher, Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application October 25, 1947, Serial No. 782,153
1 Claim. (Cl. 198—213)



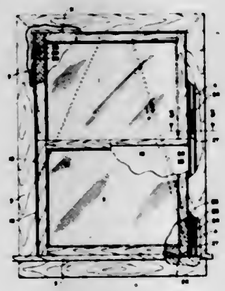
Screw conveyor apparatus comprising, a tubular conveyor housing, screw conveyor mechanism mounted for rotation within said housing, a drive end unit providing separate bearings for said conveyor mechanism and one end of said conveyor housing respectively and permitting rotative movement thereof, a drive element actuated by said screw conveyor mechanism, an external ring gear element fixed to said end of the conveyor housing, and drive connections including a shaft mounted exteriorly of said drive end unit and provided with drive transmission elements engaging said first drive element and said ring gear element respectively, whereby rotative movement is transmitted to said conveyor housing in response to the operation of said screw conveyor mechanism.

2,545,142
FRAME FOR TWO OR THREE WHEELED VEHICLES
Battista Giuseppe Falchetto, Torino, Italy, assignor to Motom G. m. b. H., Zurich, Switzerland
Application April 22, 1947, Serial No. 743,163
In Switzerland April 24, 1946
7 Claims. (Cl. 280—281)



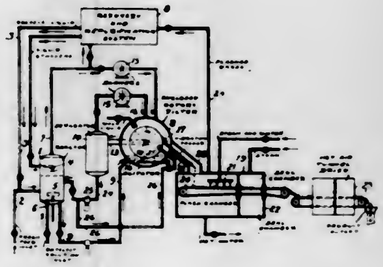
1. A frame for a vehicle of the type described, comprising a beam having a longitudinal axis and being of a configuration symmetrical with respect to a vertical axial plane and to another axial plane at right angles to said vertical plane, said beam including two projections on opposite sides, said projections having a common axis at right angles to the beam axis, and constituting sockets for a tube supporting a saddle and a pedal crank shaft bearing, said beam being composed of two substantially alike stamped half-shells joined in one of said planes.

2,545,143
SASH MOUNTING
Paul F. Gerken, Reno, Nev.
Application March 15, 1947, Serial No. 734,913
3 Claims. (Cl. 16—202)



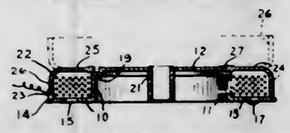
1. A window sash mounting, involving: a stirrup plate adapted to fit between a window sash and a vertical rail of a window frame, to form a slide bearing, said plate having a shelf extending under and supporting said window sash, and an arm extending through said vertical rail, there being a slot in said rail to accommodate said arm; and a coil spring anchored at the upper portion of said window frame outwardly of said vertical rail and attached to said arm to exert an upward force on said window sash.

2,545,144
PROCESS AND APPARATUS FOR THE PRODUCTION OF HIGH MOLECULAR WEIGHT POLYMERS
Arthur D. Green, Cranford, and Walter J. Paltz, Fanwood, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 21, 1943, Serial No. 483,882
2 Claims. (Cl. 260—85.3)



1. A polymerization process comprising the steps in combination of preparing a mixture of a polymerizable olefinic material selected from the group consisting of iso-olefins of 4 to 8 carbon atoms and mixtures consisting of at least 50% by weight of such iso-olefins and the remainder being selected from the group consisting of 5 to 50% by weight of diolefin of 4 carbon atoms and 0.5 to 10% of diolefin of 5 to 6 carbon atoms, with a liquid diluent selected from the group consisting of ethylene and methyl chloride which is a non-solvent for the polymer and which is inert with respect to a Friedel-Crafts polymerization catalyst, said liquid serving as diluent for the reaction mixture, in the proportion of from 1 to 9 volumes of diluent per volume of polymerizable material, adding to the above mixture a catalyst solution consisting of 0.1 to 1.0 gram of Friedel-Crafts catalyst per 100 cc. of solution, the catalyst solvent being a liquid which forms no complex with the Friedel-Crafts catalyst and is liquid at the reaction temperature, effecting this polymerization reaction at a temperature between −90° F. and −256° F., using the larger proportion of diluent with the upper polymerization temperatures, and with the upper diolefin concentrations in the polymerization feed, to form a stable polymer slurry having about 10 to 40% by weight of solids, said polymer having an average molecular weight of about 30,000 to 200,000 by the Staudinger method, conveying said slurry to a moving screen maintained substantially at the same reaction temperature, whereby solid polymer wetted with a minor proportion of the slurry liquid is retained on the screen while a major proportion of the slurrying liquid passes through the screen, said screen being in an enclosure kept filled with an inert flushing gas to prevent backflow of moisture from the aqueous flash tank, returning a substantial proportion of the screened slurry liquid while still maintaining its temperature substantially at the reaction temperature directly to the reactor, scraping the solid polymer from the screen and while maintaining its temperature still at substantially reaction temperature, delivering it with entrained slurry liquid to an aqueous flash tank maintained at about 100–160° F. to volatilize out the entrained slurry liquid.

2,545,145
TWO-PART DISPLAY AND TRANSFER REEL
Egbert P. Hoyle, Cortland, N. Y., assignor to The Cortland Line Company, Inc., Cortland, N. Y., a corporation of New York
Application March 3, 1949, Serial No. 79,431
6 Claims. (Cl. 242—124)



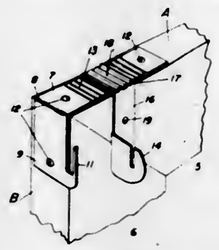
1. A coil stowage container comprising two demountably nested parts that are relatively rotatable of which one such part consists of a tubular plug of which one end is spanned by a head plate and the opposite plug end has a circumscribing brim flange affixed in substantial parallelism to said plate, and the other of which container parts comprises a unitary cup-shaped hood including a rim flange spanned by an annular disc that is laterally spaced from the brim flange to stow a coil therebetween, the marginal region of the head plate being inset radially from the plug perimeter and provided with a plurality of relatively narrow cam elements distributed about the axis of said plug and the inner edge of the annular disc being provided with tongue-shaped cleating lugs arranged in cooperative registry with the respective cam elements to initially leave a radial clearance gap therebetween, said gaps being progressively reduced when said container parts are relatively rotated to bring the lugs into wedged tangential interlock with their respective cams.

2,545,146
ARTIFICIAL LIMB
Rex R. Hydorn, Balboa, Calif.
Application February 25, 1949, Serial No. 78,309
12 Claims. (Cl. 3—2)



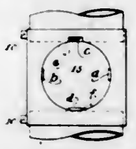
1. In an artifical limb, a pair of members, means providing for relative pivotal movement between said members, one of said members comprising a hollow shell, an inflatable bag in said hollow shell, said bag comprising at least two cells separated by an impervious partition, the other of said members having a portion engaging one of said cells to compress the same upon relative pivotal movement between said members, a check valve in said partition to permit inflating fluid to flow freely from said one cell to the other cell, and a restricted passage between said cells to permit inflating fluid to flow at a low rate from said other cell to said one cell.

2,545,147
CURTAIN AND SHADE FIXTURE
Kristen J. Jensen, Eureka, Calif.
Application March 13, 1950, Serial No. 149,258
1 Claim. (Cl. 248—259)



A combined curtain and rod holder including a flat strip having corrugations formed substantially midway of its length and adapted to be secured to the top edge of a window frame, said strip having downwardly bent end, engaging the side of the window frame, said downwardly bent end having an upstanding finger protruding beyond the front plane of the window frame, therefrom a rod holder and a second strip having corrugations formed therein and bent upon itself to engage the top and bottom of said first mentioned strip, the corrugations of said second mentioned strip engaging the corrugations of first mentioned strip, and a shade bracket carried by said second mentioned strip.

2,545,148
FLUE PIPE SECTION WITH CHECK DRAFT DAMPER
Llewellyn Jones, Bloomington, Ill.
Application April 10, 1947, Serial No. 740,524
4 Claims. (Cl. 126—293)

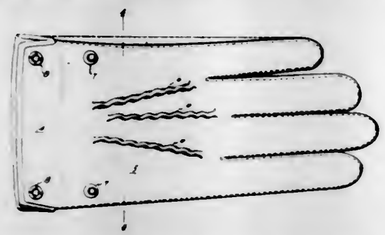


1. A combined pipe section and damper comprising a rectangular metal sheet capable of being rolled into tubular form provided with an aperture forming an air vent, fastening devices on opposite ends of the sheet for securing it in tubular form after it has been so shaped, a door having top and bottom edges hinged at its top edge to the sheet and covering the aperture, and said sheet having a plurality of pairs of oppositely disposed tabs positioned around said aperture and extending into the aperture, said pairs being positioned in planes at approximately right angles to one another, adapted to be bent inwardly for providing positioning stops for either vertical or horizontal joints of pipe to which the pipe section may be attached.

2,545,149
GLOVE
Bert Kennedy, Johnstown, N. Y.
Application April 15, 1949, Serial No. 87,701
4 Claims. (Cl. 2—159)

1. In a glove, a back portion and palm portion including a thumb, tapering side panels stitch-

ingly connecting said back portion and said palm portion and extending the complete length thereof, and a flap formed at the juncture of the side

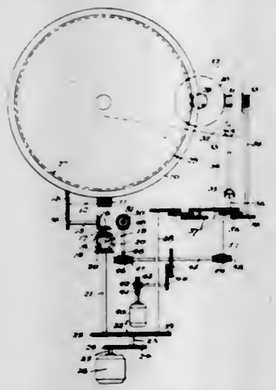


walls and the back panel at the wrist, said flap adapted to be folded back and snapped at spaced points to said back panel.

2,545,150
PHENOL FORMALDEHYDE RESINS
William Krumbhaar, New York, N. Y.
No Drawing. Application April 14, 1949, Serial No. 87,565
20 Claims. (Cl. 260—25)

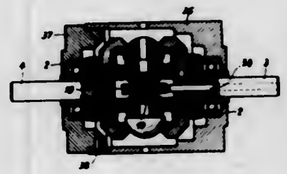
1. A rosin phenol formaldehyde resin fused with a fusible rosin maleic glyceride ester having a melting point higher than 180° C. and a viscosity higher than Z_3 soluble in coal tar solvents, the rosin maleic acid contained in the ester being monomolecular and the content of glycerine varying between 15 and 25% by weight of the monomeric acid.

2,545,151
GEAR-HOBBING MACHINE
Stanley Fearns, Huddersfield, England, assignor to David Brown & Sons (Huddersfield), Limited, Huddersfield, England
Application January 18, 1947, Serial No. 722,861
In Great Britain January 24, 1946
2 Claims. (Cl. 90—4)



1. In a gear hobbing machine, a hob and gearing intermediate same and a source of motion, a rotary work table, a worm through which rotary motion is conveyed to said worktable, a shaft carrying said worm, a change gearing, a universally-jointed connection between said shaft carrying said worm and said change gearing, a geared connection between said change gearing and a member of the gear train through which the hob is driven, a cradle pivotal about the axis of the worktable and carrying the worm through which rotary motion is conveyed to the worktable, gear teeth on said cradle, feed motion means for said hob, a driven shaft driving said feed motion means, and a worm meshing with the teeth on the cradle and driven through gearing from said driven shaft which also drives said feed motion means for the hob.

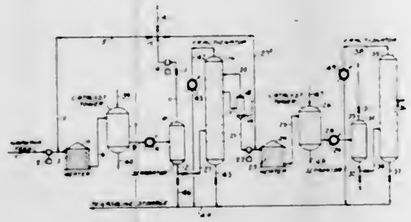
2,545,152
INFINITELY VARIABLE SPEED GEAR
Hans Haidegger, Soleure, Switzerland, assignor to Ebauches S. A., Grenchen, Switzerland
Application July 16, 1948, Serial No. 39,107
In Switzerland July 16, 1947
7 Claims. (Cl. 74—691)



1. In a speed gear coupling an input shaft, an output shaft arranged coaxially thereto and spaced from the end thereof, in combination, a supporting member arranged centrally between the ends of the input and output shafts; a first coupling member rotatably carried by the input shaft; a second coupling member rotatably carried by the output shaft and being coaxially arranged with respect to and spaced apart from said first coupling member; toothed segments swingably supported by said supporting member; substantially hemispherical elements arranged for frictional contact with said first and second coupling members; pivots rigidly connected at one end to said hemispherical elements, respectively, and rotatably supported by said toothed segments, respectively, the points of contact of each of said elements with said first and second coupling members in any position of said element being arranged near said mentioned end of the corresponding pivot oppositely to the common axis of the input and output shafts, whereby thrusts exerted on said hemispherical elements parallel to the common axis of the input and output shafts have thrust components in the direction of the axes of said pivots which are transmitted to said segments in a direction toward the common axis of the input and output shafts; and a control mechanism for swinging said segments with respect to said supporting member about axes of rotation passing through the centers of said hemispherical elements, respectively.

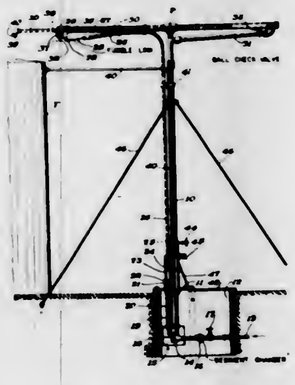
2,545,153
PREPARATION OF AROMATICS FROM PETROLEUM DISTILLATES
Edwin T. Layng, Summit, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Continuation of application Serial No. 358,606, September 27, 1940. This application November 12, 1947, Serial No. 785,230
14 Claims. (Cl. 260—668)

1. A method of producing substantially pure toluene which comprises passing a naphtha including a large proportion of non-aromatic hydrocarbons containing from 6 to 12 carbon atoms in the presence of added hydrogen in contact at an elevated temperature with a dehydrogenating and cyclicizing catalyst to produce hydrogen and largely convert said non-aromatic compounds to aromatic compounds including a substantial amount of toluene, fractionating the mixture thus produced to separate a toluene-rich fraction including at least 50% toluene together with non-aromatic hydrocarbons containing 6 or more carbon atoms, passing the toluene-rich



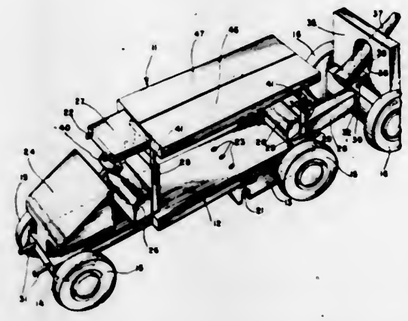
fraction in contact at an elevated temperature within the range of 950° to 1025° F. with a dehydrogenating and cyclicizing catalyst in the presence of added hydrogen and under reaction conditions of substantially greater severity corresponding to a temperature increase of at least about 50° F. higher than those maintained in the first stage and to an extent such that at least 90% of the normally liquid hydrocarbons thus produced are aromatic, and fractionating substantially pure toluene from the mixture thus produced.

2,545,154
AUTOMATIC OIL TANK PROTECTIVE DEVICE
Floyd J. Lee, Fullerton, Calif., assignor to Akron Brass Mfg. Company, Inc., Wooster, Ohio, a corporation of Ohio
Application July 8, 1948, Serial No. 37,647
6 Claims. (Cl. 169—4)



1. Fire extinguishing apparatus for tanks comprising a support adapted to be mounted adjacent a tank, a generally horizontal cylindrical water conduit on said support having one closed and one open end, the closed end of said conduit being adapted for mounting adjacent to but spaced from one side of the tank, a water applicator tube open at both ends and slidably mounted in said conduit, said tube having a free end portion projecting past the open end of said conduit but to one side of the tank, a nozzle on the free end of said tube, a water feed line connected to said conduit between the closed end thereof and the adjacent end of said applicator tube, a normally closed valve in said feed line, and means for opening said valve when the temperature at a selected area reaches a predetermined value.

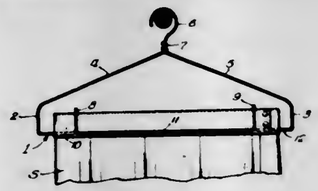
2,545,155
VEHICLE CONSTRUCTIONAL TOY
Nicholas A. Logan, Gary, Ind.
Application September 30, 1948, Serial No. 51,971
11 Claims. (Cl. 46—17)



1. A constructional toy resembling a military truck comprising, a truck platform, an engine and steering wheel block mounted on the forward end of the said truck platform, front wheel bearing blocks mounted below the forward end of the said truck platform, excentric and rear wheel bearing blocks mounted below the rear end of the said truck platform, an axle rotatably mounted in the said front wheel bearing blocks, wheels frictionally mounted on the termini of the said axle, the said excentric and rear wheel bearing blocks provided with an open axle bearing slot adjacent the inner end thereof, an axle slidably removably and rotatably mounted in the said open axle bearing slot, and wheels excentrically mounted on the termini of the said last-mentioned axle, the said engine and steering wheel block, the said front wheel bearing blocks, and the said excentric and rear wheel bearing blocks provided with dowel pin means, the said truck platform provided with mating dowel holes, bumper attaching dowel pins secured to the forward edge of the said truck platform, bumper means provided with dowel holes secured removably to the said bumper attaching dowel pins, seat back and roof supporting blocks means provided with dowel means at the top and bottom edges thereof, the dowel means at the bottom edge thereof securable removably to the dowel holes in the said truck platform, the said seat back and roof supporting block means provided with a dowel hole on one of its faces, seat block means provided with dowel means removably securable to the said dowel hole, and mating side and roof elements provided with dowel pins on one of their side edges, the said dowel pins removably securable to mating holes in the said truck body to form truck sides.

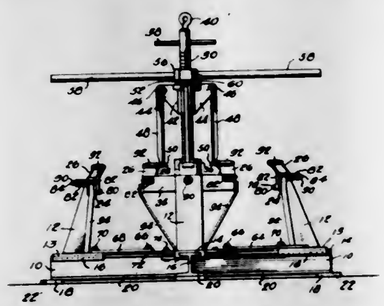
2,545,156
GARMENT HANGER
William E. Martin, Kewanee, Ill.
Application February 21, 1947, Serial No. 729,988
5 Claims. (Cl. 223—91)

1. A hanger having a part thereof adapted for supporting a garment comprising a horizontal wire having spaced wire loops formed therein and disposed in planes at right angles to the wire, said spaced loops having downwardly open ends to receive garments from beneath and to suspend the same therefrom, said wire loops being equidistant from the middle of said hanger to centralize garments draped over said horizontal wire between said wire loops, and said horizontal wire having integral portions thereof bodily deformed



radially with respect to the wire to provide a tortuous wire to frictionally engage the adjacent portions of any garment draped over said horizontal wire of the hanger to prevent rolling slippage of the garment about the axis of said horizontal wire between the loops of said hanger.

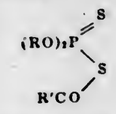
2,545,157
TIRE DEMOUNTING MACHINE WITH CIRCUMFERENTIALLY DISTRIBUTED THRUST MEMBERS
Ulysses R. McCrary, Johnson City, Tenn.
Application November 26, 1946, Serial No. 712,443
4 Claims. (Cl. 157—1.2)



1. Apparatus for demounting a tire from a rim, comprising a plurality of circularly arranged standards, an arcuate member carried by each standard and projecting generally laterally from the upper end portion thereof, said members being formed as arcs of a circle having a common center, a plurality of fingers pivotally connected at their lower ends to each of said members and engageable with a tire to fix it against movement in one direction perpendicular to its plane, the upper ends of said fingers being biased to normal outer limit positions from which they are movable inwardly under the influence of pressure on said tire in said direction to move radially inwardly thereover to engage the radially outer face of the rim, antifriction elements carried by the upper ends of said fingers to directly engage the tire and rim to facilitate the movement of the fingers thereover, and means engageable with the rim to apply a pressure thereto in said direction.

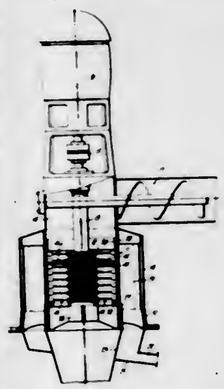
2,545,158
OXIDATION RESISTING HYDROCARBON PRODUCTS
John P. McDermott, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 22, 1947, Serial No. 781,504
5 Claims. (Cl. 252—46.6)

1. A composition consisting essentially of a petroleum hydrocarbon product having incorporated therein 0.02% to 10% of a mixed acid anhydride of the formula—



wherein R is an alkyl radical and R' is a radical selected from the class consisting of alkyl and phenyl radicals.

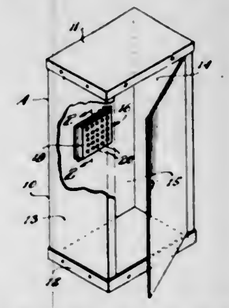
2,545,159
PROCESSING APPARATUS FOR FRUITS AND VEGETABLES
Leonard McGihon, San Leandro, Calif., assignor to King Sales & Engineering Co., a corporation of California
Application July 9, 1946, Serial No. 682,241
2 Claims. (Cl. 146—76)



1. Juice extracting apparatus comprising a cylindrical screen mounted with its axis upright and having its inner surface exposed, a rotor within the screen having hammer arms, a breaking and holding chamber above the screen, and means carried by said rotor adjacent the top of the screen and marginally spaced from the inner wall of said screen forming a bottom for the breaking and holding chamber and a restricted annular feed opening from the chamber to the screen with the opening partially overlying the ends of the hammer arms, said annular opening being of substantially uniform radial dimension to limit the size of particle to be admitted to the exposed screen.

2,545,160
STORAGE CONTAINER AND PACKET FOR EMITTING NOXIOUS FUMES THEREIN
Elliot A. Miller, New York, N. Y., assignor to Odora Company, Inc., New York, N. Y., a corporation of New York
Application April 28, 1950, Serial No. 158,753
4 Claims. (Cl. 21—108)

1. In a clothing container, a pocket having an open side and a foraminated wall, a packet arranged in said pocket for emitting insect repellent vapor, said packet consisting of layers of a volatile insect repellent material and backings for the layers respectively which backings cover and seal the forward faces of the layers of said material at the rear thereof respectively, said



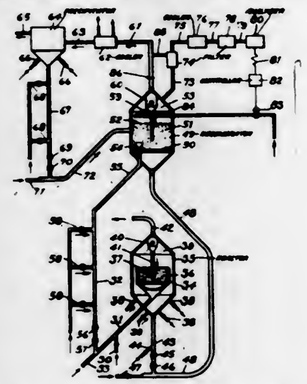
layers and backings being arranged in compact formation, and tabs carried by said backings respectively projecting through the open side of said pocket for facilitating progressive removal of the backings for exposing a fresh layer of said material at the openings in said foraminous wall.

2,545,161
ETHYL ALCOHOL PRODUCTION
Charles E. Morrell, Roselle, and Richard F. Robey, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 28, 1947, Serial No. 757,956
3 Claims. (Cl. 260—639)

1. A process for the preparation of ethyl sulfates which comprises passing ethylene into the lower portion of an absorption zone, passing concentrated sulfuric acid into the upper portion of the absorption zone, permitting intimate contact between the ethylene and sulfuric acid and maintaining progressively increased temperatures within the absorption zone ranging from about 65° C. to 82° C. in the upper portion of the absorption zone to about 90° C. to 110° C. in the lower portion of the absorption zone.

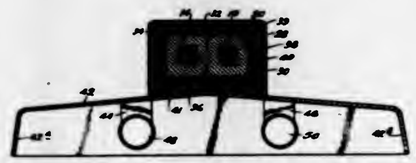
2,545,162
METHOD OF DETECTING INCIPIENT AFTERBURNING DURING REGENERATION
William Muly, Baltimore, Md., and John J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 24, 1948, Serial No. 51,054
5 Claims. (Cl. 252—417)

1. In a process for burning combustible deposits from solid particles in a fluidized regeneration system having a dilute phase of said fluidized solid particles, the improvement which comprises determining the rate of change of carbon monoxide present in the said dilute phase and decreasing the temperature of the said dilute phase whenever the said rate of change of carbon monoxide exceeds about 0.1% to 0.2% per minute for



a period of time greater than about two and a half minutes.

2,545,163
SILENT ENERGIZING DEVICE FOR USE WITH FLUORESCENT LAMP ASSEMBLIES
Bert K. Naster, Chicago, Ill.
Application May 28, 1948, Serial No. 29,898
2 Claims. (Cl. 315—257)

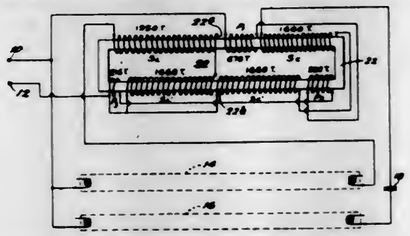


1. In a fluorescent lamp assembly having a reflector formed at least in part of ferrous metal, an energizing device for the fluorescent lamp comprising an iron core, an inductance coil wound thereon, a plurality of flux-trapping plates disposed on external surfaces of said coil, a casing for said assembly, said casing being mounted on the reflector, and inelastic means comprising pitch or like material suspending said core, coil, and flux-trapping plate assembly within said casing, said flux-trapping plates being operative to confine the leakage flux and thus prevent magnetically induced vibrations in said casing and reflector, and said inelastic suspending means being operative to prevent mechanical transmission of vibrations from the flux-trapping plates to said casing and reflector.

2,545,164
INSTANT-START DEVICE FOR ENERGIZING A PAIR OF FLUORESCENT LAMPS
Bert K. Naster, Chicago, Ill.
Application July 30, 1948, Serial No. 41,596
1 Claim. (Cl. 315—257)

In combination, for use with a source of alternating e. m. f., a pair of low-pressure, gas-discharge lamps, a high-voltage, step-up transformer comprising an elongated substantially rectangular magnetic core having a primary winding centrally disposed on one leg, a secondary winding on each side of said primary winding, one of said secondary windings having greater turns than the other, a pair of adjacent secondary windings having substantially equal numbers of turns cen-

trally disposed on the other leg of said core, and a pair of primary windings on said last leg near the ends thereof, the primary on the end corresponding to said one secondary winding having fewer turns than the other primary of said pair, a capacitor, means defining an electric circuit



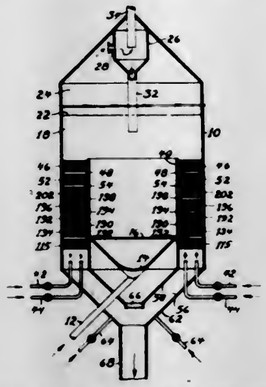
through said capacitor, one of said lamps, the secondary on said first leg having the smaller number of turns, and the secondary on said second leg adjacent the primary winding having greater turns, and means defining an electric circuit through said other lamp and the others of said secondaries.

2,545,165

GAS-SOLID CONTACTING APPARATUS, INCLUDING MEANS FOR STRIPPING SOLID PARTICLES

Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 14, 1945, Serial No. 610,841
2 Claims. (Cl. 23—288)



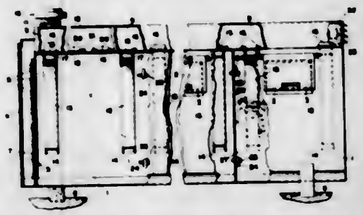
1. An apparatus of the character described for stripping solid particles which includes a cylindrical vessel for contacting solid particles and gaseous fluid, means for introducing solid particles and gaseous fluid into said vessel, means for withdrawing stripped particles from the bottom portion of said vessel, an annular member supported in the bottom portion of said vessel in spaced relationship to the inner wall of said vessel thereby forming an annular stripping chamber in the lower part of said vessel through which the solid particles are withdrawn in a dense, fluidized condition and stripped while being withdrawn, a plurality of vertical partitions extending transversely of and for substantially the entire height of said stripping chamber thereby forming a plurality of separate elongated cells in said stripping chamber, a plurality of bundles of open grating sections in each of said elongated cells spaced one above the other, and being of a size substantially that of the cross sectional area of a cell to fit therein, means for introducing stripping gas in the lower portion of said stripping chamber into each cell below the lowermost bundle of open grating sections, supporting bars in each cell secured to the lower portions of said vertical partitions above said means for introducing said stripping gas for supporting the lowermost bundle in each cell, spacing supports depending from each bundle above the lowermost bundle in each cell for spacing bundles of open grating sections one above the other in each cell, the spacing supports of a higher bundle resting on the top surface of the next lower bundle, there being two separate spacing supports for each side of each of said bundles, each support including two plates arranged vertically and secured together to form a structure T-shaped in horizontal cross section with the upper edge of one plate secured to the lower edge of one cross member of the bottom grating section in each bundle and the upper edge of the other plate secured to the lower edge of a cross member extending at right angles to the first-mentioned cross member and the bottom edges of said plates resting on corresponding cross members of the next lower bundle.

2,545,166

GRAIN DRIER AND CRIB

Jesse D. Otley, St. Davids, Pa.

Application May 29, 1948, Serial No. 30,120
4 Claims. (Cl. 34—214)



1. A grain drier comprising a horizontal substantially cylindrical chamber of generally circular cross-section, an air supply manifold carried externally by said chamber and extending substantially throughout the length thereof, an air exhaust manifold carried externally by said chamber and extending substantially throughout the length thereof, a plurality of ducts communicating with said supply manifold in spaced relation longitudinally thereof, each of said ducts comprising a pair of opposed branches projecting laterally of said supply manifold and extending substantially circumferentially of said chamber and adjacent the interior wall thereof, each of said branches terminating with an open end adjacent the bottom of said chamber, said exhaust manifold containing a plurality of openings spaced longitudinally thereof and communicating with the top of said chamber, means for supplying heated air under pressure to said supply manifold, means for withdrawing air from said exhaust manifold, dampers for said ducts whereby air from said supply manifold may be admitted to said ducts selectively to provide a preferential flow of supply air to a defined portion of the length of said chamber, dampers for said openings whereby air may be withdrawn selectively from a defined portion of the length of said chamber, and a bulkhead detachably secured within said chamber to isolate a linear portion thereof of desired volume and containing at least one

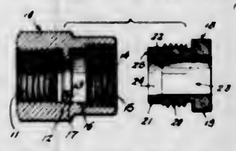
of said ducts and communicating with at least one of said openings, whereby the air circulatory conditions within said isolated portion may be maintained different from the air circulatory conditions in the remainder of said chamber.

2,545,167

THREADED COUPLING

James C. Richardson, Waterbury, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut

Application March 5, 1947, Serial No. 732,486
1 Claim. (Cl. 285—86)



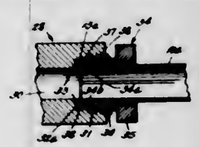
In a coupling for threadless ductile pipe, a pair of coupling members comprising a male member having an externally threaded portion and a female member having an internally threaded portion, said members having threaded engagement and being operative upon relative rotation in one direction to clamp a portion of a threadless pipe in leak-tight engagement between them, an internal cylindrical surface on said female coupling member, and an external cylindrical surface on said male coupling member, said external surface extending from the threaded portion to the nose of said male member and being slightly oversized in diameter with respect to the root diameter of said threads, and the root portion of said threads extending outward to the end of said nose and being adapted to be forced telescopically into said internal surface in force-fit relation therewith through a substantial range of threading movement when said coupling members are threaded into clamping relation with the pipe, whereby said members are held in clamping relation and frictionally resist unthreading through a substantial range of unthreading movement.

2,545,168

PIPE CONNECTOR

James C. Richardson, Waterbury, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut

Application October 7, 1948, Serial No. 53,319
3 Claims. (Cl. 285—86)



1. A coupling comprising a length of ductile threadless pipe, having at the end thereof a double-thickness upset flange formed from the walls of the pipe, and extending in radial direction therefrom, a coupling member encircling the pipe behind said flange, and having a narrow flange with an oversized pipe-receiving bore and a flange-engaging surface abutting the rear surface of said upset flange; a second coupling member having threaded engagement with the first member operative to move said members relatively in axial direction, the oversized pipe-receiving bore permitting slight axial misalignment of the pipe and second coupling member; a bore in said second member coaxial with the bore of the pipe; and a conical flange-engaging surface on said second member abutting the front surface of said flange, said flange-engaging surfaces forming outwardly divergent walls adjacent the base of the upset flange and in said coupling members having portions adjacent the flange-engaging surfaces thereof in telescopic engagement so as to form with said flange-engaging surfaces a limited annular space for enclosing and confining said flange on the pipe, said members when threaded together clamping and confining said flange in leak-tight engagement therewith.

2,545,169

PROCESS FOR TREATING WEIGHTED MUDS FOR VISCOSITY REDUCTION

Richard A. Salathiel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application September 14, 1949, Serial No. 115,785
6 Claims. (Cl. 252—8.5)

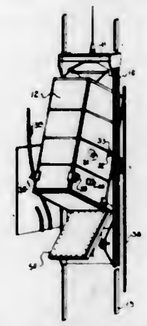
1. A process of controlling the viscosity and gel strength of an aqueous drilling fluid containing clay and weighting material which comprises adjusting the clay content of the fluid to a value sufficient to maintain the weighting material in suspension in the fluid of adjusted clay content and adding to the fluid of adjusted clay content a viscosity reducing quantity of an alkali metal salt of a material selected from the group consisting of carboxylated benzene and alkyl substituted carboxylated benzene in which the benzene nuclei of said material contains at least 3 carbon atoms to which carboxyl groups are attached.

2,545,170

MINE SKIP

Guy Lefanu Saunders, Toronto, Ontario, Canada

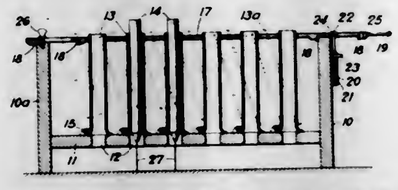
Application September 11, 1948, Serial No. 48,843
7 Claims. (Cl. 214—120)



1. A mine skip comprising a frame adapted to fit and slide within guides, an elongated bucket resiliently suspended from the top of said frame, a bottom for said bucket, means for hingedly attaching said bottom to said bucket comprising a shaft journalled in spaced bearings mounted in housings carried by said bucket adjacent to but spaced from the lower edge of the rearward face of said bucket, a hinge strap carried by said shaft and secured to the undersurface of said bottom, a shock absorber between each bearing housing and the adjacent hinge strap, means adapted to

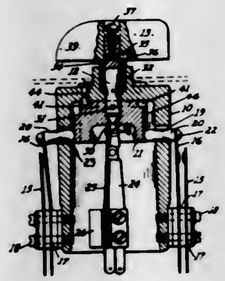
support said bottom in the loading and load carrying positions of the bucket, means carried by said bucket adapted to engage tracks spaced from said guides for swinging the lower end of said bucket out of the frame away from the bottom supporting means and means for closing the joint between the bucket walls and the hinged bottom member.

2,545,171
CANDLE-RECEIVING RACK
Carl J. Schroeder, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 5, 1949, Serial No. 108,746
7 Claims. (Cl. 18—27)



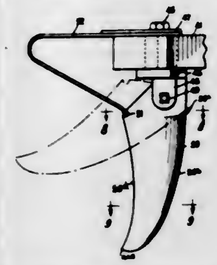
1. A candle-receiving rack comprising vertically arranged endpieces which support between them a horizontal member provided with apertures, tubular members co-axially and pivotably arranged over said apertures, and means for tilting the tubular members with respect to the horizontal member.

2,545,172
SELECTIVE SWITCH
Wilbur A. Sensinger, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application September 19, 1947, Serial No. 775,128
1 Claim. (Cl. 200—4)



A selective switch comprising a tubular body closed at one end, an annular series of pairs of normally open contacts detachably mounted on the exterior of the body, one contact of each pair having a pin extending through the side wall of the body, a stem journalled in the end wall of the body, an actuating member arranged within the body and mounted upon said stem and having a projection movable successively into engagement with said pins to successively close said normally open contacts, means normally locking said actuating member against rotation, and said member being movable out of engagement with said locking means upon axial shifting of said stem, a pair of normally closed contacts mounted within the body, and said stem being cooperable upon such axial movement to open said normally closed contacts.

2,545,173
SPRING-BIASED TOOTH MOUNTING FOR ROTARY PLOWS
Franklin P. Shaw, Barberton, Ohio
Application November 18, 1947, Serial No. 786,692
1 Claim. (Cl. 97—216)



In a mobile machine adapted for breaking and preparing ground for seeding, a pair of power driven plowing heads actuated from a common drive means and rotatable about vertical axes, each said head comprising a plurality of removable blocks located about the periphery of the head, a horizontal pivot on the under side of each of said blocks, the axis of each said pivot being located at an oblique angle with respect to a radius of the head, a tooth swingingly mounted on said pivot, and the teeth on said heads having intersecting orbital paths, the forward edge of the tooth being sharpened to provide a cutting surface, and yielding means to hold said tooth with its sharpened edge in a general vertical position, but permitting the tooth to rock about the pivot in case it strikes an obstruction.

2,545,174
ETHERS OF ARYL SULFONAMIDE-FORMALDEHYDE REACTION PRODUCTS
George Robert Sido, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 27, 1947, Serial No. 776,627
7 Claims. (Cl. 260—556)

1. A water-insoluble product prepared by reacting at from 0° C. to 100° C. and under alkaline conditions from 1 to 2 mols of formaldehyde with 1 mol of an aryl sulfonamide taken from the group consisting of benzene sulfonamide and toluene sulfonamides, and then reacting the product with from 1 to 2 mols of a monohydric unsubstituted alcohol containing from 1 to 8 carbon atoms in the presence of from 0.25 to 25 parts of an acid catalyst per 100 parts of the aryl sulfonamide-formaldehyde condensation product, said latter reaction being carried out at from 0° C. to reflux temperature at atmospheric pressure.

2,545,175
CONTROL VALVE FOR DEEP WELLS
Orville R. Stump, Long Beach, and Arthur W. Titus, Whittier, Calif.
Application November 18, 1947, Serial No. 786,722
4 Claims. (Cl. 103—227)

1. In a well provided with a tubing string, control means comprising: a valve body connected with the lower end of said tubing string and having a valve seat; a movable valve member mounted beneath said valve seat and arranged to close the passage into said tubing string by

contact with said valve seat when at its upper limit of motion; resilient means urging said valve member upwardly toward said valve seat; an anchor fitting within said tubing and provided with hold-down means capable of engaging

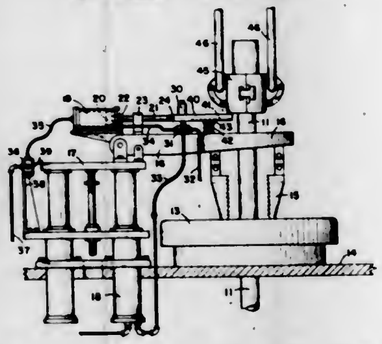


said tubing; and a member affixed to said anchor, arranged to bear upon said valve member and to hold said valve member away from said valve seat while said anchor is in engagement with said tubing.

2,545,176
FUNGICIDAL COMPOSITIONS COMPRISING N,N'-BIS(4-NITROSOPHENYL) PIPERAZINE
Miller W. Swaney and Samuel B. Lippincott, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 11, 1948, Serial No. 26,473
5 Claims. (Cl. 167—33)

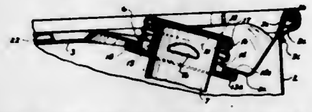
1. A fungicidal composition comprising N,N'-bis(4-nitrosophenyl) piperazine as the active ingredient admixed with a surface active dispersing agent which lowers the surface tension of water and thereby promotes aqueous colloidal dispersions of the N,N'-bis(4-nitrosophenyl) piperazine.

2,545,177
CONTROL FOR POWER-OPERATED SLIPS
Martin E. True, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application August 26, 1949, Serial No. 112,463
9 Claims. (Cl. 24—263)



1. Apparatus for supporting pipe in a borehole which comprises, in combination, pipe slips including a lifting means and fluid operated power means for said slips, an arm mounted on said lifting means and extending over the area adjacent the borehole and adapted to be deflected downward by downward movement of a pipe string, tension means mounted on said lifting means opposing downward movement of said arm, a valve mounted on said lifting means adapted to be actuated by downward movement of said arm, and means for conveying fluid under pressure to said valve and from said valve to said power means.

2,545,178
CONTAINER WITH EXTENSIBLE SPOUT AND ATTACHING MEANS THEREFOR
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application February 26, 1946, Serial No. 650,194
1 Claim. (Cl. 222—522)

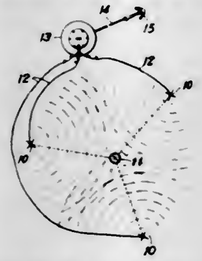


A container for liquid consisting of a top having a chime and an inwardly embossed wall within said chime, said embossed wall being formed with a discharge opening, inner and outer collars the lower ends of which throughout their peripheries are sealingly mounted in the marginal portion of said opening, the side wall of said inner collar being of conical shape and terminating at its outer end below the outer end of said outer collar and said outer collar terminating below the plane of the top of said chime and the side wall thereof being embossed to provide screw threads for engagement by a screw threaded closure and provided with a circumferential inturned inwardly extending flange at its outer end, a cylindrical spout the diameter of which is less than that of the outer end of said inner collar and said flange on said outer collar and slidable endwise through said collars, outwardly into pouring position and inwardly into a position within said outer collar, said spout being provided at its lower end with a conical wall arranged to frictionally engage said inner collar to support said spout in pouring position and provided at its outer end with an outturned flange arranged to engage the flange on said outer collar, whereby said spout, when moved inwardly, is supported on said flange, the wall of said spout adjacent its outer end portion being provided with diametrically related, inwardly disposed embossments elongated substantially tangentially of said spout to form gripping elements.

2,545,179
SUBMARINE MARKER WITH SONIC SIGNAL GENERATORS
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 7, 1948, Serial No. 19,547
2 Claims. (Cl. 177—386)

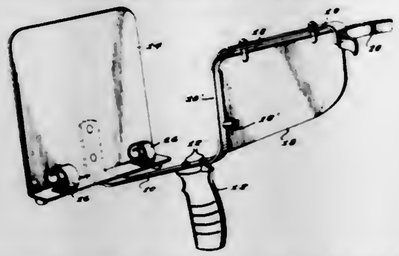
1. A marker for precisely indicating a submerged marine location which marker comprises at least three short-range sonic wave generators located in fixed array upon the marine floor about said location, said generators being equidistant from said location, a submerged self-contained power source for said generators immediately ad-

jacent said array and anchored to the marine floor, a long-range underwater sonic signal generator adjacent and electrically connected to said power source, conducting cables from each of said short-range sonic wave generators to said sub-



merged self-contained power source, and a timer within said self-contained power source for synchronously energizing said plurality of sonic generators by electrical energy from said power source.

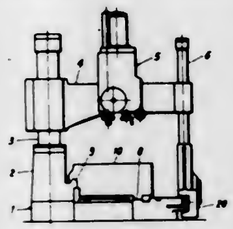
2,545,180
ORTHOPTIC INSTRUMENT
Frances C. Walraven, Atlanta, Ga.
Application August 15, 1949, Serial No. 110,360
3 Claims. (Cl. 128—76.5)



1. An orthoptic training instrument for training defective eyes for single binocular vision comprising a frame structure, a vertical rack member disposed transversely on said frame structure for supporting orthoptic exercise material, an upright and relatively narrow bar portion formed integrally with said frame structure, said bar portion being arranged in parallel spaced relation to said rack member, a vertical partition fixed on said frame structure and disposed adjacent said bar portion to extend oppositely from said rack member but centrally and at right angles with respect to said rack member, and a headrest supported on said partition at the end thereof remote from said rack member, said headrest being disposed to position a patient's eyes at normal reading distance from said rack member with the line of vision separated by said partition, the spaced relation of said bar portion with respect to said rack member and the width of said bar portion being such that complete vision of exercise material on said rack member can be had only with single binocular vision.

2,545,181
OUTBOARD SUPPORT FOR THE ARM OF A RADIAL BORING MACHINE
Albert Weiss, Bassersdorf, Switzerland
Application January 24, 1946, Serial No. 643,170
In Switzerland February 2, 1945
9 Claims. (Cl. 77—28)

1. In a radial boring machine, the combination with the main column and the arm supporting column of said machine, of a base plate, a portion of the edge of the base plate extending concentrically to the main column and provided with guiding grooves running at an angle to each other, guide rollers mounted in the supporting column and running in said grooves, two of the rollers serving to guide the supporting column



vertically and two for guiding the same horizontally, and means for compensating for the play necessary for the displacement between the guide of the supporting column and the base plate prior to the clamping of the supporting column to such plate, said means comprising at least one arcuate bar having a wedge-shaped cross-section.

2,545,182
PRODUCTION OF POLYALLYL-TYPE ALCOHOLS FROM POLYALLYL-TYPE FORMATES
Richard R. Whetstone, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 17, 1947, Serial No. 735,256
10 Claims. (Cl. 260—91.3)

10. A process for producing a polymer of a beta,gamma-monoolefinic monohydric alcohol which comprises reacting a polymer of an ester of (1) formic acid and (2) a beta,gamma-monoolefinic monohydric alcohol containing from 3 to 18 carbon atoms with water and a monohydric alcohol of the group consisting of beta,gamma-monoolefinic monohydric alcohols containing from 3 to 18 carbon atoms and saturated monohydric alcohols containing from 1 to 6 carbon atoms in the presence of .01% to 5% by weight of formic acid based on the weight of the polymer of the formic acid ester, and removing the monomeric ester of formic acid and the monohydric alcohol from the reaction substantially as fast as it is formed therein, the monohydric alcohol and water being added to the initial reaction mixture in such quantities that there will be at least in excess of 1 mole of alcohol and at least 2 moles of water for every formate group present in the polymer of the formic acid ester.

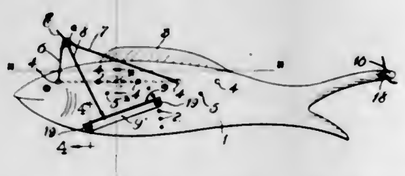
2,545,183
PRODUCTION OF POLYALLYL-TYPE ALCOHOLS FROM POLYALLYL-TYPE FORMATES
Richard R. Whetstone, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 24, 1947, Serial No. 736,612
10 Claims. (Cl. 260—91.3)

10. A process for producing a polymer of a beta,gamma-monoolefinic, monohydric alcohol containing from 3 to 18 carbon atoms which comprises reacting a polymer of an ester of (1) formic acid and (2) a beta,gamma monoolefinic, monohydric alcohol containing from 3 to 18 carbon atoms with water and a monomeric beta, gamma-monoolefinic, monohydric alcohol identical with the one used in the preparation of the said polymer, in the presence of 0.5% to 5% by weight of an aromatic sulfonic acid based on the weight of the said polymer of the formic acid ester, removing the formed ester of formic acid and the monomeric monohydric alcohol from the reaction mixture substantially as fast as it is formed therein, and separating the aromatic sulfonic acid from the resulting mixture by treating the said mixture with an acid-absorbing synthetic resin, the monomeric beta,gamma-monoolefinic, monohydric alcohol and water being added to the initial reaction mixture in such quantities that there will be at least in excess of one mole of the said monomeric alcohol and at least two moles of water for every formate group present in the polymer of the formic acid ester.

2,545,184
DIALLYL ESTERS AND POLYMERS THEREOF
Lynwood N. Whitehill, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 11, 1945, Serial No. 598,894
13 Claims. (Cl. 260—78.3)

12. An ester of an acyloxylated aliphatic dicarboxylic acid having the hydrogen atom of each of the two carboxylic acid groups replaced by the hydrocarbon radical of a beta,gamma-monoolefinic monohydric alcohol of up to 6 carbon atoms, and said ester having the two carboxyl groups of said dicarboxylic acid separated by a straight chain of up to six aliphatic carbon atoms to each of which is directly linked one acyloxy radical of a saturated fatty acid of up to 4 carbon atoms.

2,545,185
TROLLING GEAR
Charles A. Winslow, Oakland, Calif.
Application October 30, 1947, Serial No. 783,069
3 Claims. (Cl. 43—43.13)

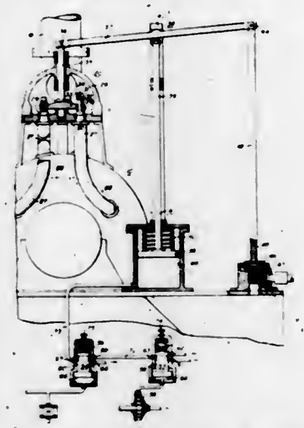


3. A trolling device including a relatively thin, flat, elongated body member having a rearwardly projecting upper portion, a line clamping member carried by said projecting portion, laterally projecting fins each pivotally secured at one end adjacent the lower front portion of said body, means for securing the other ends of said fins to said body in predetermined, adjusted angular positions, a tow line, a bridle for connecting the tow line to the body, said bridle including a plurality of flexible straps, one of said straps being adjustably clamped to said body and engaging said body at spaced points at opposite sides of said clamp, and one of the flexible straps constituting a brace strap, said brace strap connecting the tow line adjustably to one of said fins.

2,545,186
NONAQUEOUS INSECTICIDAL EMULSIONS CONTAINING ORGANIC ESTERS OF PHOSPHOROUS ACIDS
Wallace J. Yates and Frank B. Folckemer, Martinez, and William A. Simanton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 2, 1947, Serial No. 751,970
5 Claims. (Cl. 167—42)

5. A non-aqueous insecticidal composition comprising a light mineral spray oil, between about 0.1% and about 10% of a surface-active organic ester of a phosphorous acid dissolved in said oil, said ester having a ratio of carbon atoms to phosphorus atoms of at least 12, and a toxic concentration of an insecticidally active polyalkyl ester of a polyphosphorqus acid having a ratio of carbon atoms to phosphorus atoms less than 12, said latter ester being substantially insoluble and predominantly undissolved in said oil but emulsified therein.

2,545,187
TURBINE CONTROL APPARATUS
Harold Anderson, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1949, Serial No. 118,087
3 Claims. (Cl. 253—39)



1. In a turbine provided with a steam chest and a plurality of valves for controlling the flow of steam therefrom through separate passages to nozzle boxes, the combination of, a lift member operatively connected to the valves so that, as it is raised, the valves are successively opened and, as it is lowered, the valves are successively closed; a linkage mechanism for raising and lowering the lift member and including a lever; a stop; a member pivotally connected to the lever and movable to a position fixed by the stop so that the pivotal connection constitutes a fulcrum for the lever; a manually-movable actuator pivotally connected to the lever and operative to tilt the latter about the fulcrum to open and close the valves in succession; a spring exerting force on said member in the direction to move it away from the stop and tilt the lever about its pivotal connection with respect to the actuator to close open valves in succession; a cylinder; a piston in the cylinder and connected to said

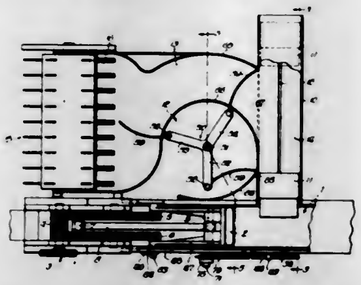
member; means for normally supplying oil under pressure to the cylinder to act on the piston to hold said member in the position fixed by the stop and against the force of said spring; and means responsive to overspeeding of the turbine to provide for discharge of oil from the cylinder so that the spring may move said member away from the stop to tilt the lever about its pivotal connection with respect to its actuator for closing of open valves in succession.

2,545,188

HAY BALER FEED MECHANISM

Benjamin J. Baskerville, Joliet, Ill.; Margaret K. Baskerville, Raymond A. Baskerville, Marie A. Baskerville, Frances A. Baskerville Lennon, and Walter J. Baskerville, heirs of said Benjamin J. Baskerville, deceased, assignors to Frances A. Lennon, Maywood, individually and as trustee for Marie A. Baskerville, Joliet, Walter J. Baskerville, Manhattan, and Raymond A. Baskerville, Symerton, Ill.

Application December 21, 1945, Serial No. 636,541
5 Claims. (Cl. 100—25)



1. The combination with a baler having a compression chamber and a reciprocable plunger operating therein, of material feed mechanism having connection with said compression chamber comprising a pair of coacting feed units, one unit for moving the material from a supply area into the other of said units, and said other unit having communication with said compression chamber, and synchronized cooperating mechanisms connected with said reciprocable plunger and said units respectively whereby said latter plunger actuates said units, said synchronized cooperating mechanisms including reciprocable elements fixed to the plunger to move directly therewith, and further elements connected with each of said feed units for active operative contact by said reciprocable elements.

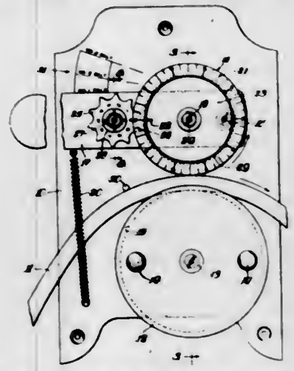
2,545,189

BELT MEASURING DEVICE

Alexander T. Bodle, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana

Application May 5, 1948, Serial No. 25,247
9 Claims. (Cl. 33—129)

3. A belt measuring device comprising a manually rotatable pulley on which to hang an endless belt, a measuring roller coactive with said pulley to grip the belt, a lever carrying said roller and yieldingly urged to press it against the belt, a support carrying said pulley and to which said lever is pivoted, said support having adjacent to said lever a flat surface provided with a scale traversable by and cooperable with said lever to indicate belt thickness, means carried by said lever and operated by said roller for counting the number of completed rotations thereof occurring as the belt is caused to travel for the distance of its length between and in frictional engagement with said pulley and roller, and a dial



and pointer associated with said roller for indicating the distance measured by said roller in excess of that indicated by such number of complete rotations.

2,545,190

ALKALI BASE LUBRICATING GREASES

Arnold A. Bondi, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 14, 1948, Serial No. 49,295
15 Claims. (Cl. 252—42)

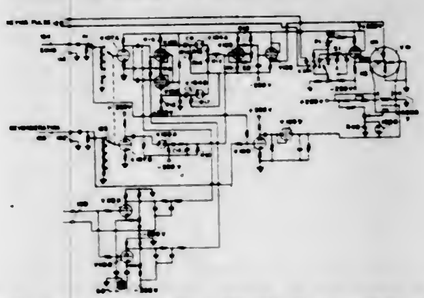
15. A mechanically stable, thermally reversible, non-bleeding grease comprising a major amount of a lubricating oil, from 5% to 25% of an alkali metal soap and from 0.01% to 1% of a monohydrocarbyl ether of a polyalkylene glycol, said monohydrocarbyl group having from 6 to 32 carbon atoms and wherein said alkylene radicals of the polyalkylene glycol have from 2 to 6 carbon atoms each.

2,545,191

ELECTRONIC DEVIATION INDICATOR FOR ECHO RANGING TRAINING APPARATUS

George A. Brettell, Jr., and Clark F. Bradley, San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy

Application March 12, 1945, Serial No. 582,352
4 Claims. (Cl. 35—10.4)



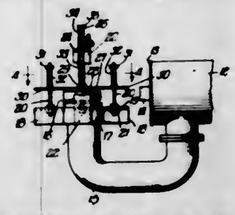
4. In an instructional device of the class described having means for simulating the manual controls and the visual bearing indicator of echo ranging gear, means including a pair of mechanical elements movable with the supposed target and projector bearings respectively, means for generating simulations of reverberation sounds, keying means for initiating such sounds, means for producing simulations of echoes from a target, and means responsive to the relative positions of said two mechanical elements for controlling the production of said echoes, the combination therewith of a cathode-ray oscilloscope tube, means responsive to said keying means for initiating a sweep of the light-spot of said tube, a deflection circuit for controlling the deflection of said light spot laterally of the direction of the sweep, a reverberation responsive circuit including a filter for passing a band of subsonic frequencies to said deflection circuit but substantially excluding other reverberation frequencies, an echo circuit comprising two variable gain amplifiers each responsive to the echo signal, means for rectifying the outputs of said amplifiers and for combining them in opposition and for imposing the resulting difference-signal on said deflection circuit, and means responsive to the relative positions of said two mechanical elements for producing a pair of gain control voltages for so controlling the gains of said amplifiers that opposite deviations from the supposed on-target position of said elements control said amplifiers of said echo circuit to produce opposite deflections of the light-spot of said oscilloscope tube.

2,545,192

DRAINPIPE VALVE

Zygmund Bugno, Chicago, Ill.

Application December 27, 1948, Serial No. 67,460
5 Claims. (Cl. 137—104)



1. A float valve operable by rise and fall of water for closing or opening the mouth of a pipe comprising a supporting member mounted upon the pipe, a plate overlying the mouth of the pipe, a valve head carried by said plate, a plurality of rods carried by said supporting member, said rods extending through said plate for guiding the latter toward or away from the mouth of the pipe, a standard carried by said supporting member, a bar pivoted to said standard, a float carried by one end of said bar, a rod affixed to said plate and said valve head, said rod being passed through the opposite end of said bar, and a coil spring upon said rod interposed between said plate and said opposite end of said bar, when said float rises due to the rise of water said bar being adapted for angular shifting movement for bearing upon said coil spring for shifting said plate and said valve head for driving said valve head into the mouth of the pipe.

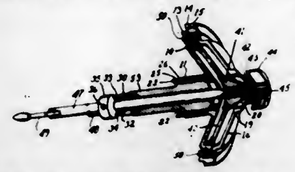
2,545,193

TENSIONING DRIVE DEVICE

Joseph Clayton, New York, N. Y.

Application May 4, 1946, Serial No. 667,363
11 Claims. (Cl. 242—55)

1. In a device of the character described, a fixed sleeve support, a clutch member rotatable thereon, a shaft passing through said sleeve support, said sleeve support being formed at one end with a conical inner surface, a bushing slidable on the shaft and having an external conical surface contacting the internal conical surface of said sleeve support, a thrust bearing on the shaft, a collar on the shaft, said thrust bearing being interposed between said bushing and collar, means



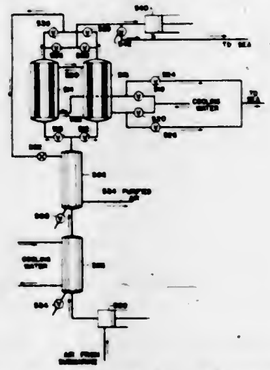
on the shaft and adjacent said collar to support a reel, a friction disc slidably mounted on the shaft and rotatable therewith, said clutch member and friction disc having contacting annular surfaces, said friction disc being formed with a hub provided with an external conical surface, a second collar on said shaft, and a bearing interposed between said hub and second collar, having an internal conical surface contacting the external conical surface of said hub.

2,545,194

ADSORPTION PROCESS FOR REMOVAL OF CARBON DIOXIDE FROM THE ATMOSPHERE OF A SUBMARINE

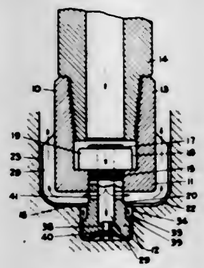
Allan P. Colburn, Newark, Del., and Barnett F. Dodge, Hamden, Conn., assignors to the United States of America as represented by the Secretary of the Navy

Application November 14, 1945, Serial No. 628,605
1 Claim. (Cl. 183—114.2)



A process for purifying by refrigeration and adsorption, air containing moisture and carbon dioxide, wherein said air is an atmosphere confined in a space, said process comprising the steps of cooling said air to a temperature sufficiently low to condense the contained moisture; removing the carbon dioxide contained in the substantially dried air by adsorption in an adsorbing medium in the following manner: passing the substantially dried air at a pressure of substantially three thousand pounds per square inch through the passes of one of a pair of adsorbers, cooling said passes by water, providing said passes with an adsorbing agent, then passing the heat of adsorption from said passes to said water; thereafter returning the purified air to said atmosphere; removing the adsorbed carbon dioxide from said space after evaporation thereof, and reactivating said adsorbing medium.

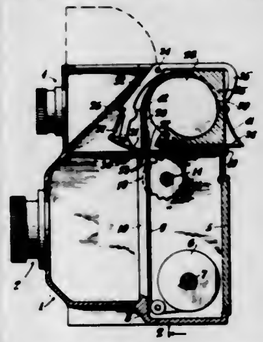
2,545,195
DIAMOND BIT
Wilfred S. Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 24, 1946, Serial No. 692,790
5 Claims. (Cl. 255—61)



5. A diamond drill bit comprising a substantially cylindrical main bit having an end cutting face in a plane substantially perpendicular to the axis of the main bit, a centrally located and substantially cylindrical pilot bit having a cutting face in a plane substantially perpendicular to the axis of the bit and extending outwardly from the face of the main bit, means detachably connecting the pilot bit to the main bit in rigid relationship therewith, radial channels in the end cutting faces of said main and pilot bits dividing said cutting faces into sector-shaped segments, said sector-shaped segments of the faces of the main and pilot bits being set with diamonds, at least two radial grooves across the face of the main bit that are substantially deeper than said radial channels, an axial bore passing through the main and the pilot bit in communication with the radial channels in the end face of the pilot bit, an annular recess in the upper portion of said pilot bit adjacent the cutting face of the main bit and open to the radial channels in the faces of the main and the pilot bits, and transverse ports in the pilot bit opening from said axial bore to said annular recess in the pilot bit and to the radial grooves in the cutting face of the main bit.

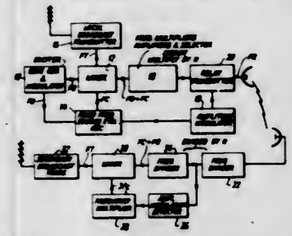
2,545,196
PHOTOGRAPHIC CAMERA HAVING CUTOFF MEANS AND REMOVABLE FILM RECEPTACLE
Aldo R. Curioni, New York, N. Y.
Application May 3, 1947, Serial No. 745,780
3 Claims. (Cl. 95—31)

1. In a camera of the class described having a wall with a film exit slot therethrough, a removable receptacle adjacent said wall having an opening normally in alignment with said slot for admitting film to the receptacle, a lever member rotatably secured intermediate its ends to a portion of the camera having one leg portion extending along a wall of the receptacle and terminating adjacent said slot, a cutter blade rotatably mounted on said leg adjacent the terminal end thereof for rotation about an axis extending generally parallel to said slot, yieldable means connected with the lever member and with the cutter blade for urging the blade about its mounting and thereby urging a blade cutting edge toward said wall of the camera, and another leg of the lever member angularly disposed to said first leg and extending along another wall of the receptacle, movement of said other leg away from the receptacle moving said one leg and blade



toward the exit slot to sever a film projecting therethrough.

2,545,197
RELAY SATELLITE BROADCAST SYSTEM
Woodrow Darling, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1947, Serial No. 737,608
5 Claims. (Cl. 250—6)



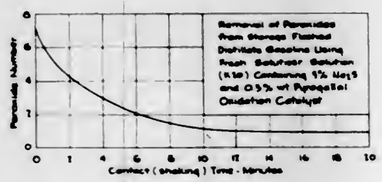
5. In a satellite broadcast system, in combination, a main transmitter, a secondary transmitter at a distance from said main transmitter and means for operating said secondary transmitter in synchronism with the main transmitter comprising a source of frequency modulated carrier energy, a source of oscillatory energy of fixed frequency, means for mixing energies from said two sources and supplying side band energy derived from said mixing means to the main transmitter, means for amplitude modulating side band energy derived from said mixing means by oscillatory energy of said fixed frequency derived directly from said fixed frequency source, means for sending energy derived from said amplitude modulated side band energy to said secondary transmitter, means for detecting the same to abstract, from the sent derived energy, energy of said fixed frequency, thereby leaving frequency modulated energy, and means for using said abstracted fixed frequency energy and said frequency modulated energy to obtain excitation for the secondary transmitter.

2,545,198
PERFORATING APPARATUS
Jerome L. De Boo, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 18, 1948, Serial No. 15,592
14 Claims. (Cl. 178—92)

9. In a telegraph reperforator, a selector mechanism for receiving code signals, a plurality of individually selectable punches for perforating a tape, means for selecting ones of said plurality of individually selectable punches in accordance with the signals received by said selector mechanism, a pivotally mounted punch block normally positioned in a non-punching position for carrying said plurality of individually selectable punches, said punches mounted pivotally in said punch block, means for advancing the tape, and means for actuating said punches and said punch block, said tape advancing means operating to advance the tape during a perforating operation and said actuating means functioning to simultaneously pivot said punch block with the advancing tape and cause selected ones of said plurality of selectable punches to enter and perforate said tape in accordance with the signals received by said selector mechanism, said actuating means thereafter functioning to return said punch block to normal position and to withdraw said punches from the advancing tape, whereby said punches are moved pivotally by the advancing tape until said punches are withdrawn completely therefrom.



2,545,199
REMOVAL OF PEROXIDES FROM HYDROCARBONS
Lloyd C. Fetterly, Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 13, 1947, Serial No. 791,647
8 Claims. (Cl. 196—41)

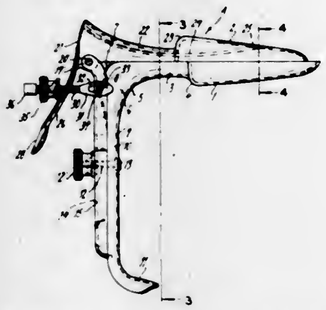


7. The method of removing peroxides from a refined gasoline hydrocarbon fraction free from hydrogen sulfide and mercaptan acidic constituents and which has deteriorated during storage comprising intimately contacting said oil with an aqueous alkali solution containing as agents added from an extraneous source, an alkali soluble sulfide capable of yielding in aqueous solution a sulfide ion selected from the group consisting of inorganic sulfide ions and mercaptide ions as reducing agent for said peroxides and a solubilizing amount of an alkali metal alkylphenolate.

2,545,200
METHOD OF PREPARING SKIATRONIC SCREENS
Gorton R. Fonda, Schenectady, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
No Drawing. Application October 24, 1945, Serial No. 624,337
6 Claims. (Cl. 117—33.5)

1. The method of preparing skiatronic screens consisting essentially of a first step of condensation on the glass and walls of a cathode ray tube of a film of potassium chloride from a vapor thereof in the presence of an attenuated gas at a pressure of from 20 to about 100 microns of mercury and a second step of condensation of an additional layer of potassium chloride on said film of potassium chloride in the presence of water vapor at a pressure of from 4.6 to about 9.5 millimeters of mercury whereby said first applied film is transparent, the composite film structure after application of said additional layer of potassium chloride is translucent and is characterized by a relatively sharp contrast between the shadow of the image developed thereon and the background.

2,545,201
VAGINAL SPECULUM
Taylor C. Gilbert, Dallas, Tex.
Application September 23, 1949, Serial No. 117,342
6 Claims. (Cl. 128—17)



4. A vaginal speculum adapted for self-retention when in operative position comprising a first dilator blade, a second dilator blade, means for pivoting said blades with relation to each other for dilating the walls of the vaginal passage, said second dilator blade having a relatively constricted section and a forwardly adjacent enlarged portion causing the formation of a shoulder, said enlarged portion inclining downwardly and forwardly from the shoulder, said second blade being further provided with an outwardly opening canal-like recess extending along its medial line through the constricted section and into the enlarged portion thereby breaking through the shoulder with the forward end thereof merging into the upper surface of the blade, said first dilator blade being provided with an unbroken shoulder whereby upon movement of the blades into operative dilating position the shoulder of the second blade will be retentively engaged upon the pubic arch of the pelvic bone and the shoulder of the first blade securely disposed against the musculature of the posterior portion of the vaginal passage so that the blades will be maintained in operative position wherein the canal-like recess of the second blade will encasingly protect the urethral pas-

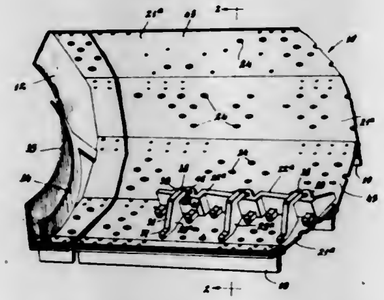
sage against pain-causing pressures normally effected by the extension of the speculum.

6. In a vaginal speculum having first and second dilator blades, the improvement comprising said second blade being provided with an outwardly opening canal-like recess for encasingly protecting the urethral passage during operation of the speculum.

2,545,202
LINING STRUCTURE FOR ROTARY CRUSHERS

Stanley D. Hartshorn, Wayne, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York

Application March 23, 1948, Serial No. 16,439
5 Claims. (Cl. 241—91)



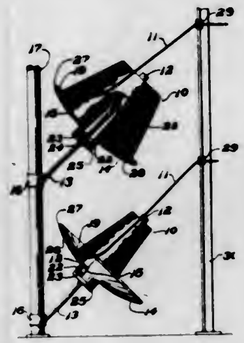
1. In a crushing apparatus for material containing pieces of various sizes a combination with a rotary drum of generally circular form in section and having a peripheral screen, of inwardly projecting shelves extending longitudinally of the inner surface of said screen in position to lift pieces of said material and drop them into the bottom of the screen during the rotation of the drum, and a plurality of series of axially spaced ramp members between said shelves and alternating therewith, said ramp members being of generally triangular shape extending inward from the peripheral screen and having inner surfaces inclined to the surface of said screen to be near said screen surface at their forward ends remote from the following shelves and spaced relatively great distances from said screen surface at their other ends adjacent said following shelves so as to engage and lift relatively large pieces of material between said shelves and drop said large pieces back into the bottom of the drum as soon as the rotation of the drum has tilted the respective inner ramp surface backward and downward and before the smaller pieces of material are discharged from the corresponding following shelf.

2,545,203
CREEL APPARATUS, INCLUDING GUARD SUPPORT FOR A CONE

Walter E. Head, Miami, Okla., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application May 21, 1949, Serial No. 94,604
6 Claims. (Cl. 242—130)

1. A guard member for a package of wound filamentary material, said guard member comprising a central mounting portion and comprising also a peripheral package-engaging portion of resilient rubber-like material of a thickness such that under pressure of the package said peripheral portion is self-sustaining by virtue of its stiffness without underlying support but is capable of slight resilient flexure under such pressure of the package, said peripheral portion being dished for engagement of said package by the resilient pressure of said peripheral portion

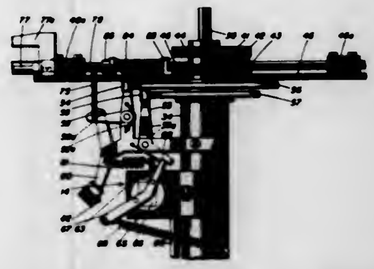


around the peripheral edge of the base of the package and continuance of such resilient engagement progressively across said peripheral portion as the package is reduced in size by removal of the filamentary material, to support yieldably the filamentary material against working over said peripheral edge of the package.

2,545,204
JET-ACCELERATED ARMOR-PIERCING BOMB

Clarence N. Hickman, Jackson Heights, N. Y., Raymond L. Graumann, Alexandria, Va., and Rudolph F. Mallina, Hastings, N. Y.; said Hickman and said Graumann assignors to the United States of America as represented by the Secretary of the Navy, and said Mallina assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 9, 1945, Serial No. 577,074
16 Claims. (Cl. 102—49)

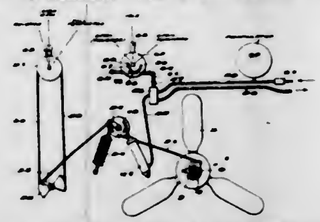


10. In a projectile having a normally inactive jet propulsion device, an air stream operated propeller, means under the control of said propeller for igniting said device after said propeller has completed a predetermined number of revolutions, and detent means normally securing against initiation of the action of said jet propulsion device and movable by an air stream of a predetermined velocity to an inoperative position.

2,545,205
CONTROL SYSTEM FOR REVERSIBLE PITCH PROPELLERS

Thomas C. Hill, Aberdeen, and Paul R. Coulson, Essex, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application May 26, 1949, Serial No. 95,406
9 Claims. (Cl. 170—135.74)

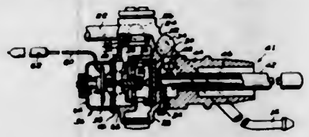


5. In combination with a propeller of the reversible-pitch type having pitch adjusting mechanism for varying the pitch thereof, lever means for controlling said pitch adjusting mechanism, mounted for movement within a forward pitch range to vary the forward pitch setting of said propeller and movable beyond one limit of the forward pitch range to a reverse pitch position for reversing the pitch of said propeller, manual control means for moving said lever means, stop means positioned to oppose movement of said lever means beyond said one limit, and a power actuator operatively connected to said lever means and operative when energized to move said lever means to reverse pitch position against the opposition of said stop means.

2,545,206
TEMPERATURE CONTROL APPARATUS

Robert C. Main, Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware

Application May 20, 1947, Serial No. 749,259
1 Claim. (Cl. 236—91)

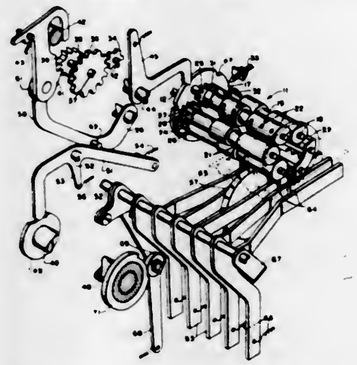


A temperature control device comprising a casing having a passageway for fluid and a valve seat positioned in said passageway, a valve member reciprocable between fully open and fully closed positions relative to said seat for controlling the flow of fluid through said passageway, means operable on said valve member for biasing the same to said closed position and preventing said fluid flow, snap-action means positioned on one side of said valve member, temperature responsive means operably associated with said snap-action means for operating the same in response to variations from a predetermined desired temperature condition to overcome said bias and move said valve member to said open position and permitting said fluid flow, second temperature responsive means including an expansible diaphragm element positioned on the opposite side of said seat and having gradual movement relative to said valve seat, and means movable by said diaphragm to a plurality of different positions in the path of said valve member under varying temperature conditions affecting said second temperature responsive means for limiting the movement of said valve member to positions intermediate said fully open and fully closed and throttling said fluid flow.

2,545,207
MESSAGE NUMBERING DEVICE

Frank Martindell, Western Springs, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application December 20, 1949, Serial No. 134,007
7 Claims. (Cl. 178—17)

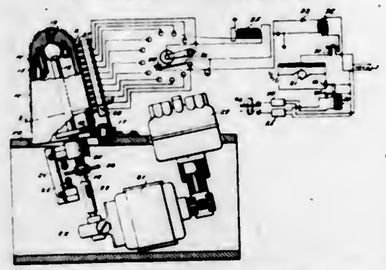


1. In a telegraph transmitter, a plurality of sensing pins for sensing a message tape, a rotatable unit positioned above said sensing pins and said message tape, a plurality of planetary cams in said rotatable unit, each of said planetary cams being coded with message identifying intelligence designed to be sensed by said sensing pins, means for advancing said message tape in a stepped manner to present successive intelligence groups therein to said sensing pins, means for rotating said rotatable unit in a stepped manner to present intelligence of successive planetary cams to said sensing means, said message tape being coded in a manner to present no obstacle to said sensing pins in sensing said planetary cams, and means for stopping the stepping of said rotatable unit upon completion of a revolution thereof, said rotatable unit being coded in a manner to present no obstacle to said sensing pins in sensing said message tape after the stopping of the stepping thereof.

2,545,208
ELECTRICAL PERFORATING APPARATUS

John W. Meaker, New York, N. Y.

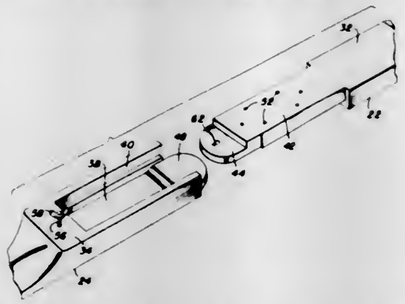
Application April 19, 1946, Serial No. 663,322
6 Claims. (Cl. 219—19)



3. In an apparatus for perforating preformed articles by means of an electrical discharge, the

combination of a rotatable electrode shaped to fit inside of the article to be perforated, a series of fixed electrodes opposed to and spaced from said rotatable electrode, a rotatable shaft supporting the rotatable electrode reversible driving means connected to said shaft for rotating said shaft and the rotatable electrode supported thereon, means for moving said shaft and the rotatable electrode supported thereon longitudinally relative to the series of fixed electrodes upon rotation of the shaft, switching means connecting the reversible driving means for rotation in one direction, a second switching means connecting the reversible driving means for rotation in the opposite direction, and switch operating means carried by the shaft, said switch operating means engaging with one of said switching means upon longitudinal movement of the shaft in one direction and with the other of said switching means upon longitudinal movement of the shaft in the opposite direction.

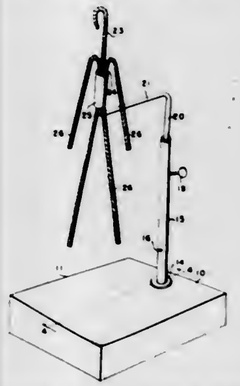
2,545,209
DISCERPTIBLE SKI
Reginald J. Meehan, East Hartford, Conn.
Application June 10, 1948, Serial No. 32,076
1 Claim. (Cl. 280—11.13)



In a discerptible ski, the combination of a forward ski section and a rear ski section, the forward portion of the rear ski section being provided with an elongated recess having an open top, an open forward end, a pair of downwardly divergent side walls, and a bottom projecting forwardly beyond front edges of said side walls to afford a front tenon having its lower surface spaced above the lower surface of the associated ski section, the rear portion of the front ski section being reduced in thickness and in width to afford an elongated tongue positioned in said recess and having downwardly tapered side edges in complemental engagement with said side walls, a lower portion of the forward section being provided forwardly of said tongue with a mortice to receive said front tenon, a rear tenon projecting rearwardly from said tongue and having its top surface spaced below the top surface of the tongue, said rear section being provided at the rear end of said recess with a mortice to receive said rear tenon, said rear section and said rear tenon having vertically registerable apertures, and a locking pin removably positioned in said apertures to prevent separation of said sections.

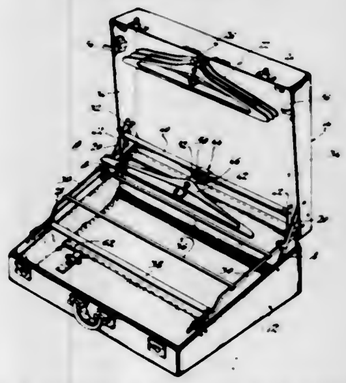
2,545,210
CORE ASSEMBLY FOR CLAY MODELING
George W. Moore, Hollis, N. Y.
Application April 26, 1949, Serial No. 89,754
2 Claims. (Cl. 41—4)

1. A core and collar assembly for forming models of plastic material comprising a base, a tubular standard separably supported by said base, a supporting column telescopically received within said standard and provided with a laterally extending supporting arm and a perpendicularly extending post, a wire core form assembly adapted to be surrounded by and support a plastic material to be modelled thereon, said core assembly being formed of twisted wires and being sur-



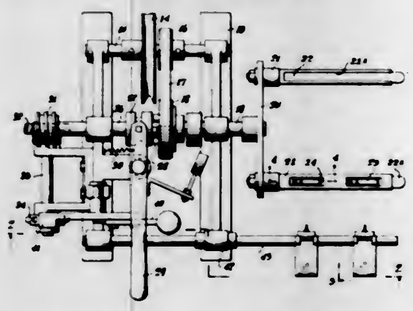
rounded by a collar formed with a sleeve portion and a socket portion, said sleeve portion being adapted to receive and support the wires forming said core and said socket portion being adapted to separately receive the perpendicularly extending post, whereby said core and collar assembly is separably supported by said standard said collar upon separation forming part of the modelled product.

2,545,211
LUGGAGE, INCLUDING GARMENT SUPPORTING MEANS FOR LONG AND SHORT GARMENTS
Benjamin Platt, Chicago, Ill., assignor, by mesne assignments, to Platt Luggage, Inc., Chicago, Ill., a corporation of Illinois
Application May 28, 1945, Serial No. 596,194
3 Claims. (Cl. 190—41)



3. In a luggage case of the type having confronting first and second sections that are hinged along the edges of adjacent sides, a plurality of means for simultaneously supporting both long and short garments in folded condition on one of said sections so that the outside folds thereof extend downwardly from that side of said section opposite to said hinged side, said means comprising a garment folding rack pivotally mounted at one end within said luggage case adjacent said hinged side, a first hanger means for hanging garments from said opposite side of said first section so that said garments extend down onto one side of said rack, a garment fold bar detachably mounted in said case to cause a first fold in garments supported by said first hanger means, free ends of the garments supported by said first hanger means being foldable a second time over said rack so as to drape down over the opposite side of said rack as the latter is pivoted toward the first section, and a second hanger means mounted on said fold bar for supporting shorter garments which require only a single fold over said rack.

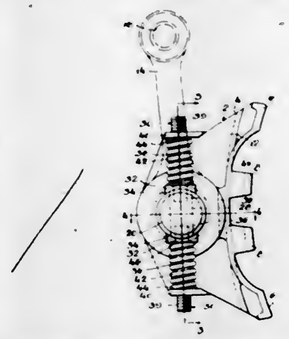
2,545,212
SKEINING MACHINE
Herman P. Ruf, New York, N. Y.
Application August 22, 1945, Serial No. 611,981.
2 Claims. (Cl. 242—53)



1. In a skeining machine, in combination with a spindle and means for rotating said spindle, a plurality of arms connected to said spindle and extending in substantially parallel relation therewith, at least one of said arms comprising a slide member slidable relatively thereto and located interiorly of said arm, said arm being formed with a recess extending longitudinally along an outside surface thereof and in open communication with said member, said slide member further comprising a clamp member located entirely within said recess in one position of said slide member and in frictional contact with an outside surface of said arm in another position of said slide member.

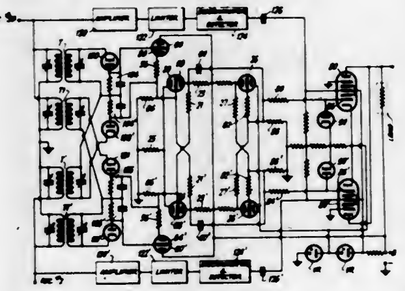
2,545,213
BRAKEHEAD ARRANGEMENT
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 5, 1945, Serial No. 603,368
19 Claims. (Cl. 188—221.1)

1. In a brake head balancing device, a brake head having spaced inboard and outboard walls, a support member therebetween, a cylindrical pivot member extending through complementary aligned openings in said walls and said support member, spring seat lugs on said outboard wall at opposite sides of said pivot member, a pair of boltlike members extending through respective lugs and into an elongate transverse opening in said pivot member and each comprising an integral friction block between the ends thereof in complementary engagement with the cylindrical perimeter of said pivot member, and a coil spring sleeved over each boltlike member and com-



pressed between the associated friction block and lug.

2,545,214
LOCKING CIRCUIT AND CONTROL
Robert E. Schock, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application November 23, 1945, Serial No. 630,429. Divided and this application April 16, 1948, Serial No. 21,462
2 Claims. (Cl. 250—20)



1. In a diversity system, two radio receiver devices responsive to signal energy, a gating device coupled to each receiver, said gating devices having electrodes, a common output circuit coupled to output electrodes of the gating devices, a locking circuit including two electrode structures having two conditions of stability in which one structure is conductive and the other non-conductive and vice versa, couplings between points on the locking circuit at which differentially varying potentials appear and corresponding electrodes in the two gating devices, two differential rectifier systems each coupled to both receivers for providing two control potentials one for each structure of the locking circuit, and a locking circuit driver tube, one for each provided control potential, coupling each differential rectifier system to a different structure of the locking circuit.

2,545,215
FLY SWATTER
William W. Sharpe, Detroit, Mich.
Application August 13, 1947, Serial No. 768,297
3 Claims. (Cl. 43—137)

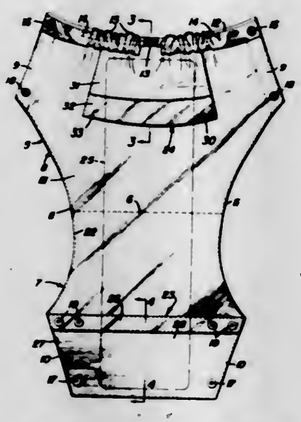
1. A fly swatter comprised of a pair of flat angularly arranged blades hingedly joined to

each other at one of their edges, hollow cylindrical sockets formed from and arranged upon the outer surface of said blades, a U-shaped spring wire handle, and oppositely arranged securing legs projecting normally from the ends of said handle in substantial parallel relation, and respectively nested and pivotally positioned



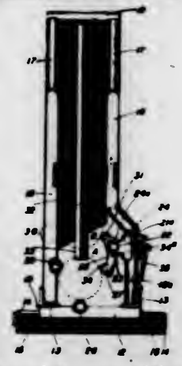
within said sockets, whereupon manual compressive movement of the portions of said handle toward each other said blades are forcefully brought together, said legs extending in opposite directions and in a plane normal to the direction of flexing movements of said handle whereby said legs are retained against dislodgement from said sockets.

2,545,216
BABY PANTS
Murray J. Toussie, West New York, N. J.
Application September 16, 1949, Serial No. 116,158
2 Claims. (Cl. 128—287)



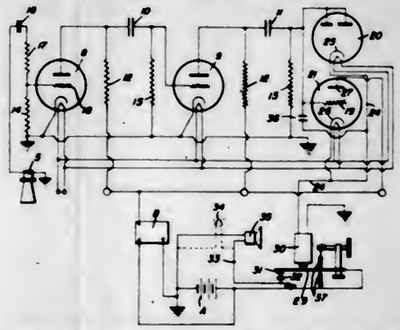
2. Baby pants comprising a moisture-proof body portion comprising an outer sheet of textile fabric and an inner sheet of thin flexible waterproof material, said body portion having its opposite edges curved inwardly and also having end portions to embrace the body of a wearer, the inwardly curved side edges defining leg openings when the body portion is folded on a medial transverse line, pockets at the upper ends of said end portions which open toward each other and are adapted for removable reception of the ends of an elongated absorbent pad placed on the inside of the pants, the pocket of the end portion at the back of the wearer comprising a pocket member stitched to the inside of said end portion centrally between the sides thereof, said pocket member comprising an outer textile sheet and an inner or lining sheet of thin flexible waterproof material.

2,545,217
ROCKET LAUNCHER
Earl C. Walker, Altadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application July 18, 1945, Serial No. 605,651
3 Claims. (Cl. 89—1.7)



1. A rocket launcher comprising a framework having a base and posts on opposite sides of the base to define a vertical magazine slot for receiving a stack of rockets, a bottom guide rail on said base and defining the lower extremity of said slot, a side guide rail on said posts at one side of the slot, a stop rail above the guide rail and mounted on the posts, and an escapement mechanism mounted on said posts on the opposite side of the slot from said side guide rail, the escapement mechanism including a pair of rods and means for mounting the rods for oscillating about a common center, one of the rods being engageable with a rocket resting against said bottom and side guide rail to form therewith a track for guiding the rocket, the other of said rods cooperating with said stop rail to restrain downward movement of rockets stacked in said slot while a rocket is in the track.

2,545,218
DISCRIMINATING ACOUSTIC SIGNAL DETECTOR
Frank P. Weber, Hastings, Nebr., and Martin J. Carmody, Parkston, S. Dak.
Application September 16, 1947, Serial No. 774,252
2 Claims. (Cl. 177—352)



1. A warning signal detector for vehicles, discriminating between acoustic signals received in a microphonic device on the vehicle and transformed into oscillatory currents having an external source of origin and rising to momentary peak values and between sounds produced on

the vehicle with the momentary peak values of the sound of external origin exceeding temporarily the sound level due to sounds produced on the vehicle, comprising a detector circuit, including an electronic grid controlled tube with at least one control grid adapted to cut off the current flow through the tube when biased by an excessive negative voltage, but normally biased for producing current flow through the tube, a grounded branch circuit including a resistance parallel to the electronic grid controlled tube, an energizing circuit for the said electronic tube, a signal controlling relay in said energizing circuit, normally energized by the current flow through the tube, a signal circuit containing a signal device closed upon de-energization of the relay and means for cutting off the current through the electronic relay and for operating the signal device in the signal circuit upon receipt of a peak signal rising above the sound level produced on the vehicle, said means including an electronic rectifier with electrodes, connected with the energizing circuit of the electronic tube and with the control grid respectively, said rectifier upon receipt of a signal of peak value rectified in the rectifier producing a biasing voltage for said grid, counteracting the normal grid bias of the controlled grid of the electronic tube and cutting off the current flow through the tube.

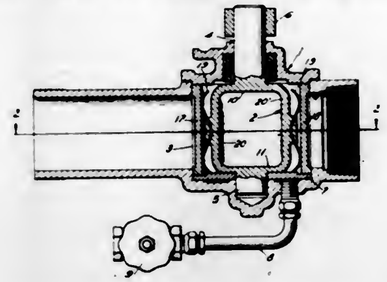
2,545,219
PIVOTED COVER FOR RING WATCHES AND THE LIKE
S. Alexander Wittmayer, New York, N. Y.
Application September 3, 1946, Serial No. 694,607
2 Claims. (Cl. 58—88)



1. In a ring watch, having a ring proper and a housing with a watch mechanism therein secured on said ring, a winding crown projecting from said housing in the plane of the ring, a cover for said crown, a recess in the ring to receive the lower portion of said cover, a pivot for said cover at the lower end of said recess, an extension on the cover beyond said pivot to the inside of the recess, a flat spring placed at the bottom of the recess, the inner end of the spring leaning against the inner end wall of the recess, said bottom having an opening underneath the free outer end of the spring, said outer end of the spring having a tendency for upward pressure and engaging said extension on the cover in such direction, and a transverse bar across said recess, engaging said spring over the intact portion of said bottom, said bar being removable to allow an exchange of the spring without disturbing the rest of the device.

2,545,220
BALANCED VALVE
Samuel K. Wolcott, Jr., Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application May 25, 1949, Serial No. 95,197
1 Claim. (Cl. 251—98)

In a valve structure including a water flow passage incorporating a valve chamber of cylindrical section, its axis extending transversely of the direction of water flow and a valve mounted for rotation in said chamber, the valve having upper and lower cross-bars extending diametrically of the valve axis, said bars each having four symmetrically spaced flange portions extending from their ends substantially to the circumference of the valve chamber, opposed shoes located between upper and lower pairs, respectively, of



said flange portions, the improvement which comprises axially extending legs connecting three only of the upper flange portions with their corresponding lower flange portions, whereby the sides of a flow opening at one side of the valve are defined by two legs and the sides of the flow opening at the other side of the valve are defined by one leg and one shoe, the area of the second-mentioned flow opening exceeding that of the first to the extent of the omitted fourth leg.

2,545,221
PENCIL SHARPENER
Harry Le Roy Adams, Denver, Colo., assignor of one-tenth to Veda G. Jones
Application August 9, 1948, Serial No. 43,209
3 Claims. (Cl. 120—94)

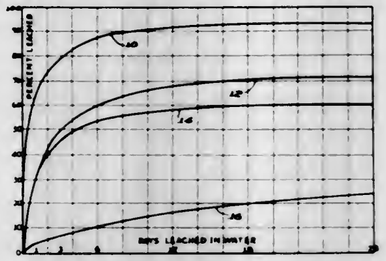


1. A pencil sharpener comprising: a support; a tubular bearing fixedly mounted in said support and projecting therefrom; a rotary member rotatably mounted on the projecting portion of said tubular bearing; rollers rotatably mounted on said rotary member with their axes parallel to the axis of said tubular bearing; an endless abrasive belt extending between said rollers and transversally across the axis of said tubular bearing; means for rotating said rotary member; and means for imparting rotation to said rollers in consequence of the rotation of said rotary member.

2,545,222
WOOD PRESERVATION
Ralph H. Bescher, Orrville, Ohio, assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application April 27, 1948, Serial No. 23,547
9 Claims. (Cl. 117—137)

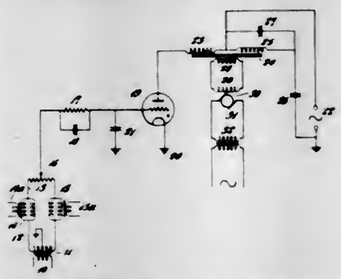
1. A fire-resistant wood comprising: a wood

impregnated with a mixture by weight of 80%



chromated zinc chloride, 10% boric acid, and 10% ammonium sulphate.

2,545,223
SERVO MECHANISM AND CONTROL MEANS THEREFOR
George Briggs, London, England
Application November 8, 1948, Serial No. 58,950
In Great Britain September 29, 1947
2 Claims. (Cl. 318—207)



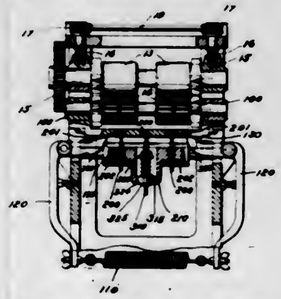
1. Servo-mechanism including a motor of the kind having at least two windings and also having a rotor so designed and arranged as to rotate in opposite directions when the phase of an alternating current supplied to one of said windings is changed from a leading to a lagging aspect with respect to the phase of an alternating current flowing in the other of said windings, one of said windings being connected directly to a source of alternating current of a given frequency, a transformer having oppositely wound and coupled primary windings, and a secondary winding coupled to both primary windings, said last transformer winding feeding the second winding of the motor, a Thyratron-type tube, one primary winding being connected to the anode of said Thyratron-type tube, the anode of said tube being supplied with alternating current from said source through said primary winding, a condenser, the other of said primary windings being connected across said source of alternating current in series with said condenser, so as to advance the phase of the current flowing in said last primary winding, relative to the phase of the source, said second primary winding inducing currents in the first primary winding, whereby to modify the voltages applied to the anode of the Thyratron and so as to increase the peak values thereof, means for varying the magnitude and phase of the potential applied to the grid of the Thyratron, relative to the anode voltage thereon, in order to vary the magnitude and phase of the current of source frequency flowing in the first-mentioned primary winding and thereby to vary firstly, the magnitude of the combined current flowing in the secondary winding as a result of the coupling of the two primary windings therewith, and secondly, to vary the phase of the said combined current from leading to lagging with respect to the phase of the current flowing in the first motor winding.

2,545,224
BANDAGE SUPPORTING BELT
Bernice M. Butler, Brooklyn, N. Y.
Application April 28, 1949, Serial No. 90,175
1 Claim. (Cl. 128—167)



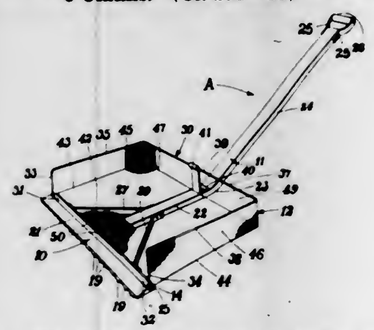
A body support comprising an elastic belt adapted to fit tightly about the body of a wearer, said belt being separable in front, a wide flexible apron permanently secured at its rear end to the back of the belt and separably secured at its front end to the front of the belt whereby the apron is adapted to be positioned between the legs of the wearer, the front portion of the apron being bifurcated and comprising an adjustable elastic strap in each furcation, the rear portion of the apron being substantially wider than the extent of the adjustable straps and the space therebetween and being secured throughout its full width to the belt and a bandage positioned on the apron whereby it will be pressed against a portion of the body.

2,545,225
TRANSMISSION LINKAGE FOR GRADING MACHINES
Herbert W. Carnes, Swampscott, and Charles C. Thomas, West Medford, Mass., assignors to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 26, 1946, Serial No. 692,960
6 Claims. (Cl. 33—147)



1. In a grading machine of the class described having detecting means, including a floating roll, for detecting the thickness of material, and a transmission lever adapted to transmit the minimum thickness so detected to other mechanism; a linkage arranged to limit the separation of said roll and said lever and universally movable with respect to both; and means comprising a compression spring universally seated on said lever and a compression rod universally pivoted with respect to said roll for normally holding said roll and said lever apart to the limit permitted by said linkage.

2,545,226
LEAF SCOOP
Charles J. Claude, St. Paul, Minn.
Application May 20, 1946, Serial No. 670,881
6 Claims. (Cl. 294—55)



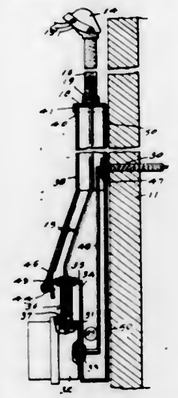
1. A leaf scoop comprising a guide bar, a handle secured to said guide bar, and a leaf scoop body secured to said guide bar, said guide bar having a forwardly and downwardly inclined upper surface, and a series of grooves extending transversely of the guide bar in its bottom surface.

2,545,227
SAXOPHONE
Floyd E. Comer, Bristol, Ind., assignor to Buescher Band Instrument Company, Elkhart, Ind.
Application November 15, 1949, Serial No. 127,367
1 Claim. (Cl. 84—385)



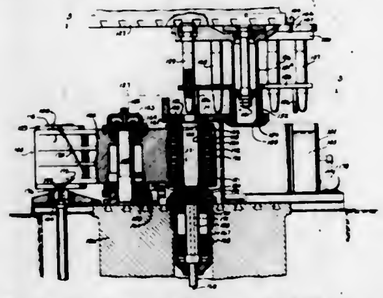
A saxophone comprising an elongated tubular tone column terminating at one end in a flared bell, a relatively short longitudinally curved neck member, an annular collar fixedly secured to the end of the tone column opposite said bell, and having an internal horizontal shoulder against which the top of the tone column abuts, a horizontal shoulder on said collar, a vertical internally threaded annular flange extending upwardly from the periphery of said shoulder, a sleeve having an internal shoulder fixed abutting the lower rim of said neck member, and secured thereto whereby a smooth, projection free inner surface in the neck and tone column is provided, upper and lower horizontally disposed annular exterior ribs on said sleeve, said lower rib seating in said first mentioned shoulder whereby said sleeve is spaced inwardly from said flange, and a nut member including a depending externally threaded flange, an internally offset shoulder engageable with said upper rib and a knurled external annulus, said flange extending between said upper and lower ribs and into the space between said sleeve and said collar whereby to provide releasable threaded engagement between said tone column and said neck.

2,545,228
ELONGATED SERVICE BOX
Allen W. Cranfill, Williamsburg, Ky.
Application February 7, 1950, Serial No. 142,891
2 Claims. (Cl. 174—52)



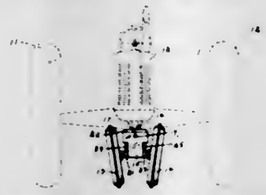
1. An electrical service box comprising an elongated enclosure having spaced top, bottom, and side walls, an apertured back wall, a partial front wall, a forwardly extending apertured ledge in said front wall and a cover including an offset angular portion closing the front of said box, the lower end of said offset portion seating against said ledge, a meter socket in said front wall and a duct connection between said socket and the aperture in said ledge.

2,545,229
BILLET PIERCING APPARATUS
John F. Crawford, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application April 28, 1945, Serial No. 590,896
2 Claims. (Cl. 78—9)



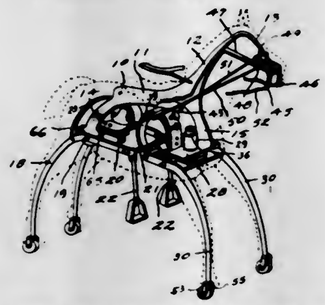
1. In a forging machine adapted to receive a billet and form it into a substantially cylindrical hollow object, the combination of a bed, a rotatable die element mounted on the bed, a punch, means for supporting the punch and advancing it toward the bed for piercing a billet, a plurality of dies supported by said die element and movable selectively by rotation thereof from a position registering with said punch, to a position removed from said punch, a stripper member rigid with the bed, and disposed adjacent said die element, and a locating pin movable with said punch and engageable with said stripper member and with said die element for accurately locating said die in registration with said punch preparatory to a piercing operation.

2,545,230
FRONT-WHEEL EQUALIZER FOR VEHICLES
Dick B. Gayken, Waterloo, Iowa
Application April 4, 1949, Serial No. 85,385
3 Claims. (Cl. 280—104)



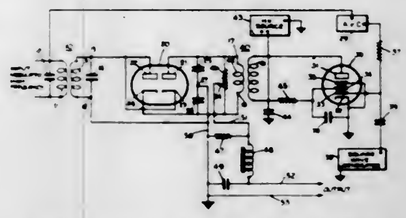
1. In a device of the class described, a base member T-shaped in cross-section, a transverse slot in the top of said base member, a bar pivoted at its center and capable of rocking action within said slot, a vertical rod slidably mounted in said base having its upper end portion extending into said slot and below one end portion of said bar and its other end portion extending downwardly along the lower outer side portion of said base, a second vertical rod slidably mounted in said base having its upper end portion extending into said slot and below the other end portion of said bar, and its other end portion extending downwardly along the other lower outer side portion of said base, an axle shaft hinged to one side of said base member and pivotally connected to the lower end portion of the vertical rod on that side of the base, and a second axle shaft hinged to the other side of said base member and pivotally connected to the lower end portion of the vertical rod on that side of the said base member.

2,545,231
CHILD'S RIDING TOY
Gustavo Vasquez Glumer and José Mario Romero, Mexico City, Mexico
Application January 12, 1948, Serial No. 1,834
In Mexico February 19, 1947
5 Claims. (Cl. 280—1.183)



1. A riding toy simulating a horse or other quadruped comprising a body frame, fixed neck and head frames projecting from said body frame, a pair of rear legs, pivot means rockably securing said rear legs to said body frame, arms fixed relative to said rear legs and extending forwardly of said pivot means, stirrups dependingly carried by said arms at the forward ends thereof, a spring connected at one end to said legs rearwardly of said pivot means and at its other end to said body frame, a pair of front legs, a plate disposed between said front legs, horizontal pivot means for said front legs carried by said plate, an upstanding stud fixed to said plate and rotatably engaging said body frame, a spring connected at one end to the rear ends of said front legs rearwardly of said horizontal pivot means and at its other end to said plate, steering means carried by said head frame connected with said plate for turning the latter about said stud, and unidirectional wheel means mounted on each of said legs whereby vertical rocking of said legs will effect linear movement in one direction.

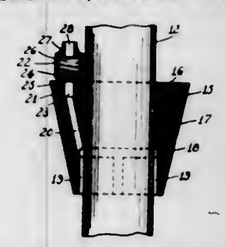
2,545,232
WAVE INVERTER
Donald L. Hings, Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application August 6, 1945, Serial No. 609,262
In Canada July 20, 1945
6 Claims. (Cl. 250—20)



1. A wave inverter system comprising, in combination, a first transformer adapted to be energized by a primary modulated carrier wave source, said transformer having a secondary winding, a condenser connected across the secondary winding and forming a resonant circuit tuned substantially to resonance at a frequency equal to the frequency of the primary carrier wave source, a second transformer adapted to be energized by a secondary carrier wave source having a frequency less than the frequency of the primary carrier wave source, said second transformer having a secondary winding representing a low impedance for the frequencies of both the primary and the secondary carrier wave sources, the secondary winding of the first transformer and the condenser which is connected there-across representing a low impedance to the secondary carrier wave, a diode detector having a detector circuit connected between the secondary winding of the first transformer and the secondary winding of the second transformer, circuit means for causing said secondary carrier wave source to alternately render said diode detector conducting and non-conducting at the frequency of said secondary carrier wave, said diode detector detecting, gating and limiting the differential voltage between the two carrier wave sources when said diode detector is rendered conducting, an output circuit including at least a condenser connected in the detector circuit of the diode detector, and means responsive to the power of the primary carrier wave source for varying the amplitude of the secondary carrier wave source.

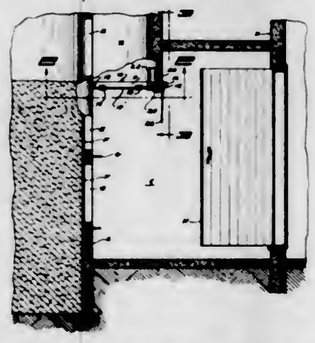
2,545,233
FILLING PLUG FOR OIL TANKS OR THE LIKE
Daniel Kaufman, New Haven, Conn.
Application December 19, 1946, Serial No. 717,117
2 Claims. (Cl. 226—117)

1. Sealing means for sealing the space between an outlet pipe and the filler neck of a storage tank or the like, said means comprising a plug of compressible material and of frusto-conical shape so as to be tapered exteriorly and make a wedge fit in the filler neck, said plug having an axial bore closely fitting the outlet pipe, an internal annular recess between its upper and lower ends extending transversely of and communicating with said bore, and an outlet passage from



said recess to the upper surface of the plug, a valve controlling said outlet passage, an inlet passage leading from said annular recess through the lower surface of the plug, and means pressing said valve toward its seat.

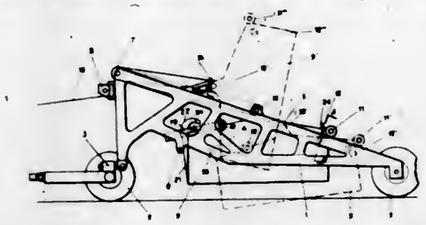
2,545,234
SILO CHUTE CLOSURE
Vincent Kostreba, Holdingford, Minn.
Application March 22, 1948, Serial No. 16,241
2 Claims. (Cl. 20—16)



1. A closure for the lower end of a silo chute, comprising a door frame secured to the chute, a pair of doors hinged to opposite sides of the frame to close upwardly over the lower end of the chute, said door frame comprising a band secured to and clamped around the lower end of the chute, separate arms secured to the door frame and the doors, and springs connected between the arms to hold the doors open and closed.

2,545,235
FOUR-WHEELED CARRY SCRAPER
Bernard Lucien Désiré Lamy, Chateauneuf d'Isere, France
Application December 21, 1945, Serial No. 636,371
In France December 29, 1944
6 Claims. (Cl. 37—126)

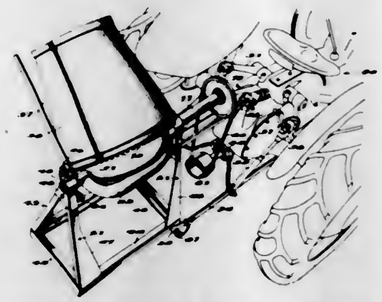
1. A scraper comprising, in combination, a wheeled carriage arranged to be towed by a traction vehicle and including a pair of laterally spaced side frames, each side frame including a rectilinear rail sloping rearwardly and downwardly at a pre-set angle to the horizontal, a rectilinear runway disposed beneath said rail and sloping rearwardly and downwardly at an angle to the horizontal greater than such pre-set angle, and elements at each end of said runway forming front and rear stops for said runway; a scraper pan having a bottom, a pair of laterally spaced side walls, and a rear wall, and disposed between said side frames; a first pair of rollers mounted on the upper forward parts of the pan side walls and rolling on said runways; a second pair of rollers mounted on the upper rearward parts of the pan side walls and rolling on said rails; said pairs of rollers supporting said pan on said frames; means operatively connected to the pan intermediate its ends and above said pairs of rollers to draw said pan forwardly along said side frames; the vertical spacings of said pairs of rollers from the pan bottom being so interrelated that, when said means has been operated to draw said pan forwardly along said frames until said first pair of rollers engages the forward stops of said runways, the rearward pair of rollers will have moved upwardly along said rails to such an extent that the pan bottom will be in spaced, substantially parallel relation to the supporting surface for the carriage wheels, providing a material transporting position; said forward stops then arresting further forward movement of said first pair of rollers so that further operation of said drawing means will tilt the pan upwardly about the axis of said forward pair of rollers to a material discharge position; said forward pair of rollers, upon rearward movement of said pan along said side frames from the transporting position, descending faster than the rearward pair of rollers, due to the steeper slope of said runways, to tilt the pan to the digging position, and said rear runway stops restraining rearward pan movement in the digging position, thereby relieving strain on said drawing means; and means operable, in the digging position of said pan, to arrest upward movement of the rear end of the pan.



2,545,236
UTILITY MIXER ATTACHMENT FOR TRACTORS
Edward J. Lesniak, Detroit, Mich.
Application November 19, 1947, Serial No. 786,925
5 Claims. (Cl. 259—177)

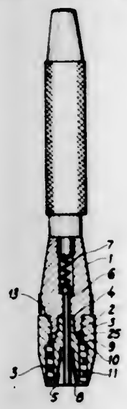
1. The combination with a tractor having a rear axle assembly and a rear power take-off, of a utility mixer comprising a frame, a rotatable and laterally tiltable vertical axis mixer bowl mounted on said frame, means for tilting said bowl between a position of rest at one side of its axis of tilt to an inverted discharging position at the opposite side of its axis of tilt, drive means connected between the tractor take-off and said bowl for rotating the bowl on its axis, and quick detachable means mounting said frame upon said rear axle assembly, said quick detachable means comprising one upper and two lower drawbar links secured to and between upper and lower

levels of said rear axle assembly and said frame respectively, and a pair of diagonal link supporting means respectively connected to and between an upper level of said rear axle assembly and



intermediate portions of said lower level drawbar links.

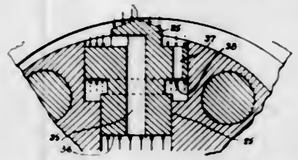
2,545,237
PUNCHING TOOL
Per Gunnar Måby, Stockholm, Sweden
Application October 14, 1946, Serial No. 703,185
In Sweden January 16, 1946
7 Claims. (Cl. 164—32)



1. A punching tool for cutting out annular washers, said tool having an inner cutter and a sleeve shaped outer cutter surrounding the inner cutter, a holder for said cutters and separate threaded connections for securing said cutters to said holder whereby each is rotatable on its threads independently of the other, the screw pitch of the threads securing the outer cutter being more positive than that of the threads securing the inner cutter.

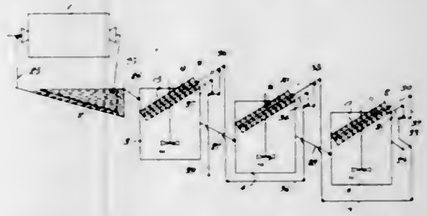
2,545,238
RADIAL VANE PUMP
Norman F. MacMillin and Howard M. Purcell, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application August 7, 1944, Serial No. 548,334
7 Claims. (Cl. 103—136)

2. As an article of manufacture, a vane for fluid operable pumps or motors comprising a substantially cylindrical member having a double bevel on one end thereof, a cylindrical projection on the other end thereof of smaller diameter than the body portion of said member, said cylindrical projection defining with the body portion of said member a shoulder facing toward the cylindrical projection, and channel means hydraulically connecting one side of said beveled



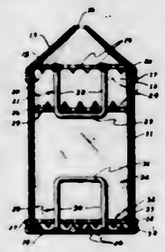
portion with the shoulder and the other side of said beveled portion with the end of said projection, the end of said projection and said shoulder having substantially equal areas.

2,545,239
RECOVERY OF GOLD OR SILVER
Frank W. McQuiston, Jr., Ouray, Colo., and Thomas G. Chapman, Tucson, Ariz.
Application August 10, 1946, Serial No. 689,676
7 Claims. (Cl. 75—106)



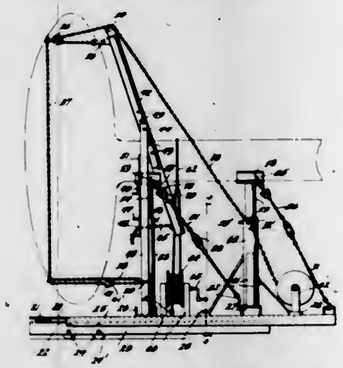
1. In the recovery of gold or silver from a cyanide solution by adsorption on activated carbon, the improvement which comprises mechanically moving a mass of coarse particles of activated carbon while confined in a perforated member through the solution and simultaneously agitating the solution during adsorption to bring it into contact with the carbon.

2,545,240
SUGAR DISPENSER AND STRAINER
Edward Patoe, New York, N. Y.
Application May 2, 1947, Serial No. 745,425
8 Claims. (Cl. 241—169)



4. In a sugar spill having a cylindrical body open at its top and bottom ends with a conical shaped top cover closing the open top end and formed with an upper spill opening and a bottom cover closing the bottom opening, means within the body for breaking up lumps which form in the sugar contained in the body, comprising a circular disc mounted within the top cover to extend across the open top end of the body and formed with a plurality of perforations, a plurality of projections formed on the bottom face of said disc between said perforations, a plurality of projections formed on the inside face of the bottom cap, a pair of superimposed discs vertically slidably mounted within the body and formed with perforations, projections formed on the top face of the topmost of said pair of discs to cooperate with the projections formed on the bottom face of said first-mentioned disc, and projections formed on the bottom face of the bottommost of said pair of discs to cooperate with the projections formed on the inside face of said bottom cover.

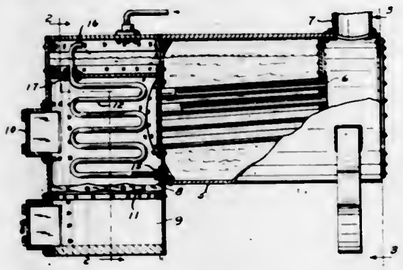
2,545,241
TREE MOVING APPARATUS
Acy L. Pearson, Memphis, Tenn.
Application April 26, 1949, Serial No. 89,685
13 Claims. (Cl. 214—3)



1. Tree moving apparatus comprising a vehicle, a saddle thereon, posts at opposite sides of the saddle, levers pivoted on said posts for movement in parallel planes extending lengthwise of the vehicle, a winch at the rear of the vehicle, tree ball sustaining means, cables each extending from said sustaining means over one end of a lever and thence to said winch, and means for holding a lever in any of a plurality of the positions to which it may be swung.

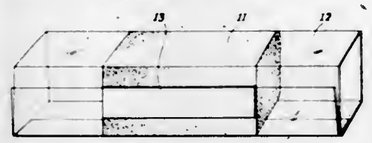
2,545,242
ATTACHMENT FOR DOMESTIC BOILERS
Felix P. Robinson, Cottonwood, Idaho
Application October 18, 1946, Serial No. 704,139
2 Claims. (Cl. 122—94)

1. In domestic boiler assemblages for hot water heating systems, the combination with a horizontally-extending boiler having a firebox in one end zone and an outlet for products of combustion in the opposite end zone, a plurality of tubular flues connecting the firebox and such opposite end zone with the flues inclined upwardly from the firebox, the diameter of the boiler being greater than the depth of the firebox with the lower zone of the boiler above the lower plane of the firebox and the boiler upper zone extending above the top plane of the firebox, such upper zone extending in overlying relation to the top plane of the firebox with such latter plane positioned below the normal water level of the boiler to thereby provide open communication of water content between the main portion of the boiler and such overlying zone below such water level, the normal water level being within such boiler upper zone and spaced from the top wall of the boiler to thereby form a top space into which the return flow from the heating system is delivered, of a pair of individual heating coils positioned within the firebox and adjacent the opposite side walls thereof, each coil having its lower end extending through the inner wall of the firebox and open within the lower zone of the boiler adjacent the bottom of such zone, each of the pair of coils having its opposite end zone extending



through the upper wall of the firebox and having its open end above the normal water level and shaped to extend toward the main portion of the boiler to thereby provide a pair of individual water conduits operative to rapidly transfer water content from the lower zone of the boiler to the space above the water level by the rapid temperature rise of the water traversing the coils within the firebox to increase the rate of circulation of the water content of the main portion of the boiler and to increase the temperature value of the returning water content from the system and thereby increase the rapidity of the circulation.

2,545,243
PACKAGE ENCASED IN PLASTIC SHEET MATERIAL AND METHOD OF MAKING THE SAME
Herbert Rumsey, Jr., Rochester, N. Y.
Application July 10, 1948, Serial No. 37,978
5 Claims. (Cl. 18—56)

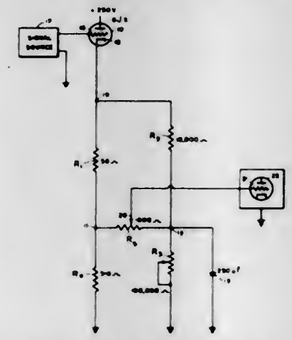


1. A package comprising package contents and a wrapping in the form of a relatively thin sheet of thermoplastic material secured therearound with edges of the thermoplastic material in overlapping relationship, said overlapping portions having a plurality of proximately positioned apertures extending through both layers of the material in registry with each other and providing communication between the atmosphere and the inside of the package and the layers being fused together immediately around the edges of the apertures whereby the overlapping portions are attached together.

5. The method of making a package which comprises first wrapping a relatively thin sheet of thermoplastic material around the package contents with the longitudinal edges in overlapping relationship and with the ends of the ma-

terial protruding beyond the two ends of the package, then subjecting the overlapping portions of the thermoplastic material to heat above the fusing point thereof at a plurality of points so as to form a plurality of apertures extending through both layers, next permitting the fused portions of the thermoplastic material to cool while maintaining the apertures and their respective layers in registry with each other so that the layers of thermoplastic material become fused together around the edges of the apertures, and finally twisting the protruding ends of the thermoplastic material so as to draw the material inwardly against the ends of the package and thereby close the package while at the same time leaving the apertures unobstructed to permit the air to escape therethrough while the ends are being closed.

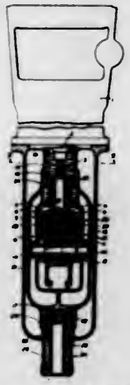
2,545,244
ELECTRONIC CIRCUIT VOLTAGE CONTROL
Harry R. Smith, Glen Ridge, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 15, 1949, Serial No. 71,187
7 Claims. (Cl. 178—44)



7. In a voltage gain control device operating over a low range of frequencies, a D. C. balanced bridge circuit comprising a first resistor, a second resistor, a third resistor and a fourth resistor connected in series, a vacuum tube connected as a cathode follower amplifier, said bridge forming the cathode load for said tube and being connected to said cathode at the junction of said first and second resistors, the junction of said third and fourth resistors being connected to ground, a condenser in parallel with said third resistor to render the impedance of said parallel combination relatively low for all alternating frequencies of the operating range, a potentiometer having two ends and a slidable contact, one of said ends being connected to the junction of said third and fourth resistors, and the other of said ends being connected to the junction of said second and third resistors, and two output terminals, one of said output terminals comprising an arm of said potentiometer and the other output terminal comprising the junction of said third and fourth resistors.

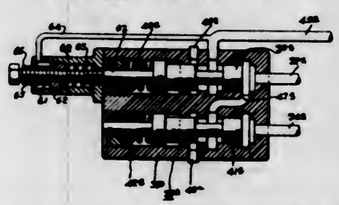
2,545,245
PERCUSSIVE TOOL
Max Arnold Stutz, London, England
Application April 8, 1948, Serial No. 19,830
In Great Britain April 18, 1947
11 Claims. (Cl. 125—33)

1. A percussive apparatus comprising a reciprocably mounted striker, two outer centrifugal masses rotatably mounted on said striker, an inner centrifugal mass rotatably mounted on said striker, the axes of rotation of the masses being co-incident, connecting means between the outer masses positively connecting them together, said connecting means being located inside the orbit of said inner mass, and toothed gearing for rotating said mass, said toothed gearing comprising but three wheels, namely, a first gear wheel cou-



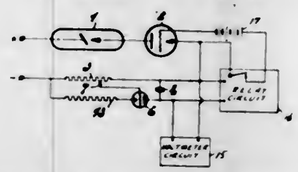
pled to one outer mass, a second gear wheel coupled to the inner mass and a driving gear in mesh with said first and second gear wheels, said driving gear having its axis at right angles to the axes of said first and second gear wheels, the said connecting means and toothed gearing cooperating to rotate the outer centrifugal masses simultaneously in one direction and the inner centrifugal mass in the opposite direction.

2,545,246
MAIN CYLINDER RELEASE AND PUMP BYPASS VALVE
Warren R. Tucker, Dayton, Ohio, and Howard F. MacMillin, Cambridge, Mass., assignors to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Original application March 6, 1944, Serial No. 525,140. Divided and this application October 15, 1945, Serial No. 622,282
9 Claims. (Cl. 137—153)



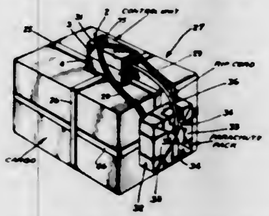
1. In a valve for releasing the pressure from a first body of fluid while simultaneously by-passing a second body of fluid the combination of; a first valve member movable in response to a predetermined pressure of said second body for establishing fluid communication between said first body and exhaust; a second valve member movable in response to a predetermined pressure on said first body to establish fluid communication between said second body and exhaust; and fluid-pressure-responsive means communicating with said first body and responsive to a predetermined pressure thereon for restricting the flow of fluid from said first body to exhaust.

2,545,247
MILLIAMPERE-SECONDS RELAY FOR RADIOGRAPHIC CONTROL SYSTEMS
Antonius Wilhelmus Vingerhoets, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 4, 1946, Serial No. 667,444
In the Netherlands March 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 4, 1962
11 Claims. (Cl. 250—95)



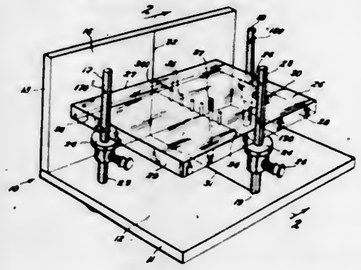
8. A system for developing a measuring voltage proportional to the integral value of the product of current and time in a load circuit, said system comprising a resistance serially connected to said load circuit, the voltage developed across said resistance depending on the intensity at current flow in said load circuit, the value of said resistance being low relative to the resistance of said load circuit, an integrating network including a capacitance in series with an electron discharge tube having a control electrode, a source of charging potential connected across said network, and means to apply a portion of the voltage developed across said resistance to said control electrode to control the charging current of said network substantially in proportion to the voltage developed across said resistance, whereby a measuring voltage is established across said capacitance.

2,545,248
CARGO LANDING APPARATUS
Otto C. Winzen and Vera H. Winzen, Minneapolis, Minn.
Application October 4, 1945, Serial No. 620,274
12 Claims. (Cl. 244—138)



1. In an aerial cargo landing apparatus, a parachute, a control unit having means for securing it to the cargo, means within the control unit for detachably securing the parachute risers thereto, a rip cord having one end operatively connected to the parachute, a solenoid within the control unit operatively connected with the opposite end of the rip cord, an electric circuit for the solenoid having a connection with a source of electric energy, a pair of contacts in said circuit, means for normally retaining said contacts in circuit-opening condition when the cargo and control unit are within a minimum of approximately six thousand feet above sea level, means whereby said circuit-opening means are rendered operative to close said contacts when the cargo is dropped from the airplane, a second pair of contacts in said circuit, a pressure responsive device associated with said second pair of contacts for maintaining said contacts in circuit-opening condition when the plane ascends to an elevation above two thousand feet above sea level, said second pair of contacts cooperating with said first pair of contacts to complete the circuit to said solenoid when the cargo reaches an elevation of two thousand feet in its free falling descent to the ground, whereby the solenoid will actuate the rip cord to automatically release the parachute from its pack, and means for pre-setting said pairs of contacts before the takeoff.

2,545,249
APPLIANCE FOR MAKING ORTHODONTIC MODELS
Samuel Ackerman, Cincinnati, Ohio
Application February 24, 1948, Serial No. 10,373
7 Claims. (Cl. 32—32)

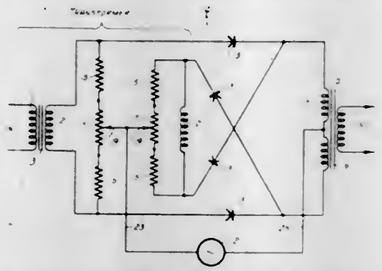


1. In an orthodontic appliance a base having a planar upper surface, a back plate secured to the base and having a front planar surface normal to the upper surface of the base, posts fixed to the base with each of their longitudinal axes perpendicular to the upper surface of said base, a pedestal adjustably mounted for axial sliding movement on each of the posts, a supporting plate upon the pedestals and positioned against edgewise movement between the posts and the front planar surface of the back plate, and perpendicularly aligned reference lines inscribed in the adjacent faces of the planar surface of the base and the supporting plate and each disposed at right angles to the planar surface of the back plate.

2,545,250
FREQUENCY CHANGING CIRCUIT
Kurt E. Appert, San Francisco, Calif., assignor to Lenkurt Electric Co., Inc., San Carlos, Calif., a corporation of Delaware
Application December 15, 1949, Serial No. 133,105
1 Claim. (Cl. 332—47)

A frequency changing circuit comprising a pair of conjugate input-output transformers, one of said transformers having a pair of substantially equal separate windings and a third winding for connection to a line, the other of said transformers having a center-tapped winding and a second winding for connection to a line, a pair of series resistors bridged across each of said equal windings, a pair of connections from one end of said center-tapped winding to one end of each of said separate windings, the connected ends of said separate windings being oppositely poled with respect to said third winding, like connections from the other ends of said center-tapped winding to the opposite ends of said separate windings, a rectifier in each of said connections, the

two rectifiers connected to each end of said center-tapped winding being oppositely poled with respect to said center-tapped winding, and a carrier current circuit including a second center-



tapped winding, the center taps of both of said center-tapped windings being connected together and the ends of said second center-tapped winding being connected respectively to the junctions between said pairs of series resistors.

2,545,251
CURTAIN ROD
Angelo Barettella, Union City, N. J.
Application October 7, 1947, Serial No. 778,285
7 Claims. (Cl. 211—105.6)



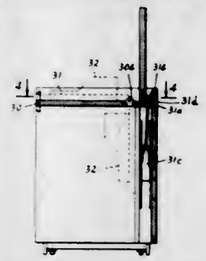
1. A curtain rod comprising an outer rod with a cavity at one end and an enlarged portion at the other end, an inner rod with an enlarged portion at one end and the other end adapted to enter the cavity in the outer rod, a spring positioned in the cavity in the outer rod and normally urging the inner rod out of the cavity, pins connected to the inner and outer rods at their ends, flanged sleeves engaged with the enlarged portions of the inner and outer rods, caps with a central orifice for the pins connected to the sleeves, and springs positioned within the sleeves in engagement with the caps and rods normally urging the caps into sheathing relation with the pins.

2,545,252
APPARATUS FOR CHECKING BOWLING BALLS ON RETURN TRACKS
Joseph A. Barry, Philadelphia, Pa.; Marie A. Barry and Joseph A. Barry, Jr., executors of said Joseph A. Barry, deceased
Application May 24, 1945, Serial No. 595,553
2 Claims. (Cl. 273—47)



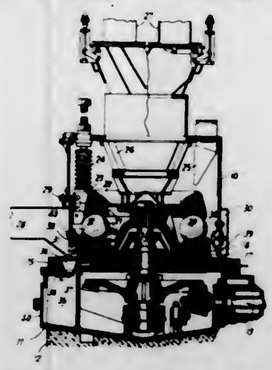
1. In combination a return track for a bowling ball, said track having a portion comprising a pair of diverging rails and a portion comprising a pair of parallel rails immediately following said diverging rails, and a yielding friction member extending below said parallel rail portion of the track constructed and arranged to contact the lower surface of the ball as the ball traverses said parallel rail portion of the track.

2,545,253
TYPEWRITER DESK
Maria Bergson, New York, N. Y.
Application April 1, 1948, Serial No. 18,379
3 Claims. (Cl. 312—26)



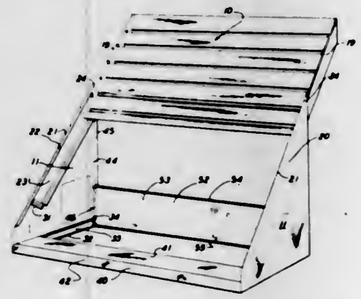
1. In a desk for a typewriter and the like, the combination of an opening in the top of the desk, a member pivotally mounted in said opening, said member having a flat portion forming a cover adapted to be brought flush with the top of the desk to close the forward portion of said opening, and having another portion substantially at right angles to said first portion for carrying a typewriter or the like, a closure member hingedly connected to said flat portion for closing the rear portion of said opening, a slidable pivotal connection between said closure member and the desk, means for applying a force to said closure member near said hinged connection substantially to counterbalance the weight of said typewriter, and means for locking said second member portion to the desk in the open position.

2,545,254
AIR SWEPT PULVERIZER HAVING AN ECCENTRICALLY ARRANGED AIR THROAT FLOW AREA
Graham W. Bice, Rosemont, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application June 20, 1945, Serial No. 600,531
6 Claims. (Cl. 241—60)



2. A pulverizer comprising a closed casing, a grinding member having an upper grinding surface, said member being mounted within the casing for rotation about a central vertical axis, means for introducing material to be ground onto the upper grinding surface of the member, means cooperating with this grinding surface for grinding the material, an annular air chamber below said grinding member, a wind box encircling said casing in communication with said annular air chamber through circumferentially spaced air ports and arranged to receive air from an inlet radial to the axis of said pulverizer, and an annular throat ring eccentrically arranged with respect to said central vertical axis to define an air throat between said ring and the periphery of said grinding member, the eccentric throat spacing being graduated in radial width to compensate for the unequal air pressures maintained in said annular chamber for a circumferentially substantially uniform air flow upwardly through said throat to carry away pulverized material discharged by said rotary grinding member.

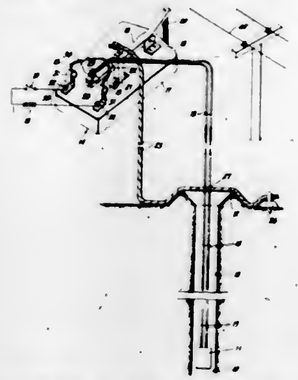
2,545,255
DISPLAY CASE
Leon E. Broce, Arcadia, Calif., assignor to Hurum E. Reeve Company, Los Angeles, Calif.
Application December 2, 1946, Serial No. 713,547
9 Claims. (Cl. 312—119)



1. In a display case having upwardly and rearwardly sloping stepped supports for display of objects, the combination of: a pair of triangular end wall members having front edges which slope upwardly and rearwardly, said edges being bent inwardly and rearwardly so as to form channels and cooperating channel-forming members secured on the inner faces of said wall members in spaced relation to said channels; spreader means for holding the lower portions of said wall members in spaced relation; interfitting means operative between said wall members and the end of said spreader means for connecting the ends of the spreader means to said wall members; and a front wall member having spaces to receive objects which are to be placed on display, said front wall member having oppositely directed flanges on the end edges thereof, the edges of each of said flanges being disposed so as to slide respectively into one of said channels and under the edge portion of the channel-forming member in spaced relation thereto and rigidly connecting said end walls.

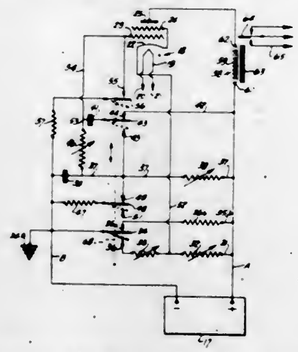
2,545,256
CIRCUIT BREAKER
Cecil L. Brownlow, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application February 28, 1946, Serial No. 650,992
6 Claims. (Cl. 102—22)

6. In a system for exploding a charge located in a drill hole in the ground, a catapult located remote from the drill hole, said catapult comprising a base, a throwing member mounted on said base, a power member in which potential energy is stored, said power member also being mounted on said base, said power member having driving engagement with said throwing member, a control member for suddenly releasing said potential energy to impart an abrupt movement to said throwing member; said system also comprising an electric circuit, said circuit including firing wiring leading to said charge and a source of electricity to explode the charge, said circuit including a conductor having a relatively movable portion engaging said throwing member and a relatively fixed portion engaging said base, an actuating



member connected to said control member and disposed over said drill hole, said actuating member being actuatable by accidental blowing out of the charge from said drill hole, said actuating member operating said control member to release said potential energy, whereby the abrupt movement of said throwing member opens the circuit between said relatively movable portion and said relatively fixed portion, and throws said relatively movable portion, as a captive missile, entirely clear of the catapult.

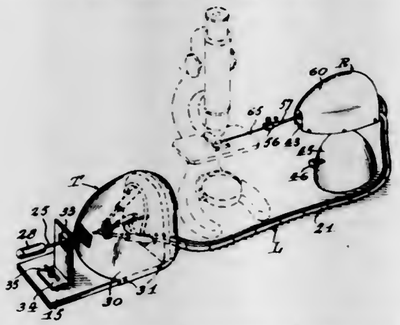
2,545,257
ELECTRONIC CONTROL DEVICE
Floyd E. Bryan, Venice, and William F. Gunning, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application April 26, 1948, Serial No. 23,294
10 Claims. (Cl. 250—27)



1. A control system for stabilizing the firing of an electronic-tube having a cathode connected to an energy source and a control-electrode, comprising: resistor-capacitance means normally chargedly connected to said source and operatively associated with means enabling it to be alternatively dischargeably energy-flow communicat-

ed with said control electrode; other resistor-capacitance means normally conected in short circuit to said source in substantially discharged condition and operatively associated with means enabling it to be alternatively chargeably connected to the source and to the first-said means and said control-electrode; and independent control-initiating means for simultaneously establishing said alternative flow-paths, thereby to concurrently discharge the first-said means and charge the second-said means and apply the algebraic sum of their changing potentials to said control-electrode, whereby to effect on the control electrode of said tube a rate of potential change sufficiently rapid to nullify extraneous effects on said tube.

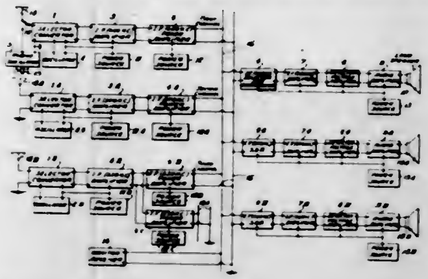
2,545,258
DEVICE FOR TELECONTROL OF SPATIAL MOVEMENT
Marcel L. Cailloux, Montreal, Quebec, Canada
Application March 22, 1945, Serial No. 584,119
8 Claims. (Cl. 60—54.5)



6. In an hydraulic movement transmission device, the combination of a transmitter and a receiver communicating by an hydraulic link for the transmission of a universal movement in space, said transmitter comprising at least three pulsators spacedly connected at their other end to a common element supported thereby, said receiver similarly comprising at least three pulsators spacedly connected at one end to a fixed support, mutually converging and connected at their other end to a common element supported thereby, said hydraulic link comprising liquid ducts communicatively connecting corresponding pulsators of the transmitter and the receiver, liquid filling said pulsators and said ducts, whereby a three dimensional displacement of the common element of the transmitter causes a corresponding three-dimensional displacement of the common element of the receiver.

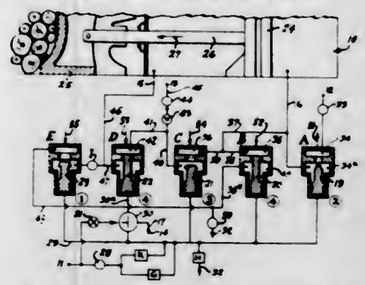
2,545,259
MULTIPLE RADIO HETERODYNE DISTRIBUTION SYSTEM
Joseph Lawrence Cassell, New York, N. Y., assignor to Monmouth Laboratories, Inc., Bradley Beach, N. J., a corporation of New Jersey
Application October 5, 1946, Serial No. 701,569
10 Claims. (Cl. 179—2.5)

1. In combination with a system for distributing high-frequency signals over an A. C. power line, said system including a signal-amplifying vacuum tube having at least one grid, an anode and a cathode, means for coupling said grid to said power line whereby signals from said power line are impressed on said grid, a power source including a two-electrode rectifier and a smoothing filter connected thereto for furnishing a D. C. operating potential to the anode of said tube, said power source being connectible to said power line to derive its power therefrom, a metallic connection for connecting a first electrode of said rectifier to one side of the power line and a smoothing condenser of large capacitance and hence of large charging current which comprises an element of said filter comprising means for connecting the second electrode of said rectifier to the other side of the power line, means preventing interfering



modulation of said signals by said rectifier comprising a condenser of considerably smaller capacitance than that of said smoothing condenser connected in series with said smoothing condenser across the electrodes of said rectifier, and a high-frequency choke coil included in said metallic connection from the first of said electrodes to said power line, said choke coil having an inductive reactance of the order of several thousand ohms and a D. C. resistance such as to limit the charging current into said smoothing condenser to a value within the safe current-carrying capacity of said rectifier.

2,545,260
APPARATUS FOR REGULATING POWER USED BY PULP GRINDERS
Lorne A. Cole, Brantford, Ontario, Canada
Application June 3, 1948, Serial No. 30,943
12 Claims. (Cl. 60—97)



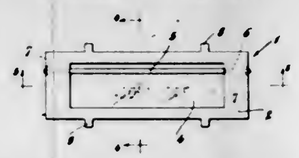
1. In a hydraulic system for driving the pressure foot pistons of a plurality of pressure cylinders of a pulp grinding unit in which the hydraulic pressure supplies include, a raw high-pressure terminal, a governed high-pressure terminal, a low-pressure terminal, and a return line terminal; a plurality of control units connected hydraulically in parallel to said terminals, each being designed to control the operation of a pressure foot piston of one pressure cylinder, and including means hydraulically connecting the control unit to either end of the pressure cylinder which it controls to apply hydraulic

pressure to either end of the pressure foot piston, and electrical means governing operation of each control unit including relay means designed to be connected electrically in series with the relay means of other control units of said system whereby the electrical systems of said control units so inter-related may cause actuation of only one control unit and the pressure foot piston of its pressure cylinder at any one time.

2,545,261
CATALYSIS OF ADDITION REACTIONS
Robert M. Cole, Bryn Athyn, Pa., assignor to Chemical Elaborations, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 8, 1947, Serial No. 778,721
9 Claims. (Cl. 260—601)

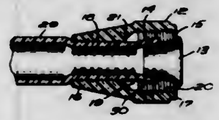
2. The process of preparing α-methyl-β-ethyl acrolein which comprises heating propionaldehyde in admixture with an equal volume of an aqueous solution comprising 10 to 30% sodium stearate by weight.

2,545,262
IDENTIFICATION DEVICE FOR LUGGAGE
Lester B. Coleman, New York, N. Y.
Application June 6, 1946, Serial No. 677,360
3 Claims. (Cl. 40—61)



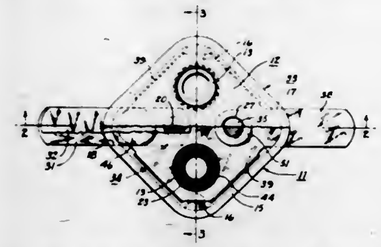
1. An identification holder comprising an open casing adapted to be arranged in a recess in the object to be identified in such a manner that the top portion of the casing is flush with the surface of said object and having grooves in its side and end walls, an identification card resting upon the back wall of said casing, a transparent plate resting upon said card and having its edges received in said grooves, and an opaque lid hingedly attached to the upper inside portions of the end walls of said casing.

2,545,263
SOFT TUBING CONNECTOR
Jeff Corydon, II, Cranston, R. I., assignor to Morse Boulger Destructor Company, a corporation of Delaware
Application April 3, 1946, Serial No. 659,181
2 Claims. (Cl. 285—86)



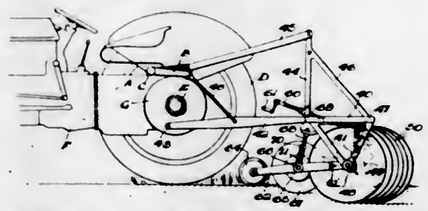
1. A connector for soft tubing, comprising a coupling body having a flow passage, a threaded recess of larger diameter than the flow passage, and a tubing seat positioned between the flow passage and the threaded recess, whereby a tubing end may be inserted through the flow passage to extend into the recess, a spreader having a cylindrical lower portion adapted to be inserted in the tubing end and a flaring upper portion extending into the recess, and a coupling nut having a flow passage and externally threaded to be screwed into the recess and having an end portion engageable with the flaring upper portion of the spreader to force the spreader into the body flow passage and the tubing end against the body tubing seat.

2,545,264
WARPABLE FRAME ACTUATING DEVICE FOR USE WITH ELECTRIC SWITCHES AND THE LIKE
Lincoln K. Davis, Brockton, Mass.
Application July 3, 1947, Serial No. 758,854
11 Claims. (Cl. 200—67)



5. In an electric snap switch, a support, a blade comprising a quadrilateral frame having comparatively stiff sides articulately connected at the corners of the frame and an interior body urging opposite sides together to cause said frame to tend to warp out of flatness, means on said support for anchoring three corners of said frame leaving the fourth corner free, front and back fixed contacts mounted on said support adapted to be engaged by said free corner, means for applying a biasing force to said frame to cause it normally to engage the back contact, a pushbutton mounted on said support for movement generally perpendicular to said frame against a limited area of said body between the sides connecting the three anchored corners to cause said free corner to disengage said back stop and engage said front stop with a snap movement.

2,545,265
COMBINED ROLLER AND HARROW
Edward Bradley Dewey, Washington, D. C.
Continuation of application Serial No. 520,940, February 3, 1944. This application October 13, 1947, Serial No. 779,571
4 Claims. (Cl. 55—12)



1. An agricultural machine, comprising a frame having depending struts at each end; means for pulling the frame; a pair of adjustable axle sections having their outer ends journaled in the struts and disposed substantially end to end transversely of the direction of pull; opposed series of spaced concavo-convex ground engaging discs carried by the axle sections respectively;

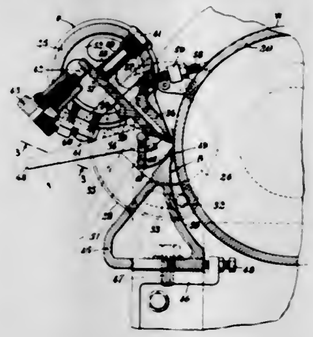
means for shifting the axle sections into and out of axial alignment transversely of the direction of pull; forwardly extending arms pivoted at their rear ends on the outer ends of the axle sections; a shaft journaled in said arms in advance of the discs; a series of spaced cutting wheels carried by said shaft, said wheels being disposed parallel with the direction of pull; a roller journaled in said arms in advance of the cutting wheels for rolling the ground surface; and means for yieldably urging the said arms downwardly to maintain the roller and wheels in contact with the ground.

2,545,266

APPARATUS FOR COATING WEBS

Charles A. Dickhaut, Highland Park, and Benjamin R. Newcomb, Bound Brook, N. J., assignors to John Waldron Corporation, a corporation of New Jersey

Application March 13, 1946, Serial No. 653,992
11 Claims. (Cl. 91—18)



1. Apparatus for coating a web of sheet material with a liquid composition, comprising a frame, a platen roller journalled in said frame, a nozzle tube parallel to the axis of said platen roller and having inturned ends journalled in said frame on an axis substantially at the periphery of said roller, said nozzle tube having means forming a longitudinal slot for directing a jet of air substantially toward the journal axis of said inturned ends.

2,545,267

LOCKET CONSTRUCTION

Edwin S. Donle, Edgewood, R. I., assignor to Coro, Inc., a corporation of Rhode Island

Application June 28, 1947, Serial No. 757,856
1 Claim. (Cl. 63—19)



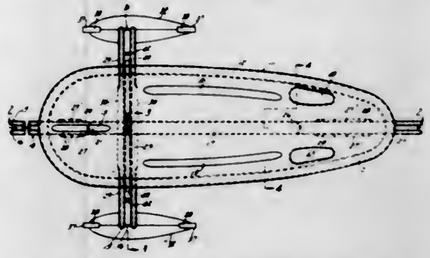
In a locket construction, a base, a cover hinged thereto, a hinge roll on said base, a catch member on said cover adapted to be positioned adjacent the hinge roll when the cover is in closed relation to the base, said catch member having a transverse catch rib, and a manually movable latch member having an upper loop, two spaced lower arms at substantially right angles to the loop and having their ends inturned and seated in the hinge roll, a transverse bar closing the lower end of the loop, and a latch element on the transverse bar depending to swing over the catch member and into the catch member rib when the latch member is turned to engage the catch member.

2,545,268

SLED CONSTRUCTION

William Flajole, Detroit, Mich.

Application September 27, 1946, Serial No. 699,941
4 Claims. (Cl. 280—12)



1. A sled comprising a platform having a peripheral beaded outer edge, a single corrugated runner centrally secured under said platform, a transverse corrugated outrigger support secured under said platform with its ends bent downwardly, outriggers on the ends of said support consisting of hollow oppositely arranged formed outrigger halves, centrally welded to each other and to the said end portions which extend down into said halves, and flanged runner blades on the bottom of said outriggers, with the flanged portions extending into said outrigger halves and welded thereto.

2,545,269

MULTIPLE SLIDING DRAWER DISPLAY DEVICE

Roscoe L. Ford, Los Angeles, Calif.

Application December 20, 1947, Serial No. 792,951
12 Claims. (Cl. 312—337)



1. A sliding drawer assembly comprising in combination: a plurality of relatively shallow superimposed drawers adapted to be drawn forward upon one another, the sides of each drawer comprising a pair of opposed channel bars having webs and flanges, the webs being vertically disposed and the flanges horizontally disposed, the channel bars of adjacent drawers being faced in opposite directions, a lower flange of each upper bar underlying the upper flange of the next lower bar; a forward roller disposed on the forward end of each channel bar of each lower drawer and upon which roller rests said lower flange of each upper bar; and a rearward roller disposed at the rearward end of each channel bar of each upper drawer, each such rearward roller resting upon the upper flange of the respective channel bar of the next lower drawer, the various rollers providing for drawing each upper drawer forward upon the next lower drawer to expose the contents of such next lower drawer.

2,545,270

GELATIN BLASTING EXPLOSIVE COMPOSITION CONTAINING WATER-SOLUBLE SALTS

Stanley Fordham, Saltcoats, Scotland, and Ernest Gordon Cockbain, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 18, 1946, Serial No. 684,552. In Great Britain July 26, 1945
4 Claims. (Cl. 52—11)

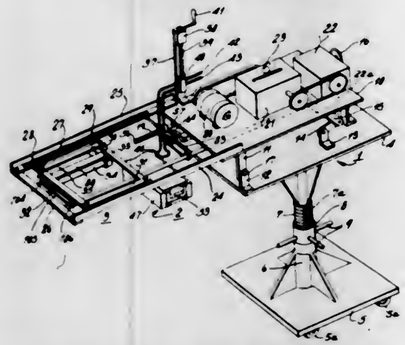
2. A blasting explosive of improved plasticity comprising at least 60 per cent by weight of freely water-soluble inorganic nitrates distributed in a viscous solution of nitrocellulose and a liquid explosive nitric ester and including free moisture in an amount from 0.1 to 0.25 per cent by weight of a blasting explosive and from 0.2 to 0.5 per cent by weight of a nitro-aryl mono-ether selected from the group consisting of nitrophenyl and lower alkyl substituted nitrophenyl glyceryl and glycidyl mono-ethers having from 1 to 2 nitro groups and nitronapthyl and lower alkyl substituted nitronapthyl glyceryl and glycidyl mono-ethers having from 1 to 3 nitro groups.

2,545,271

GLASS COILING MACHINE

Stanley J. Gartner, Emporium, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts

Application May 28, 1942, Serial No. 444,781
11 Claims. (Cl. 49—1)



1. A machine of the character described comprising a glass coiling mandrel having a free end over which the coiled glass travels and a plurality of rollers adjacent said free end, and having axes parallel to said mandrel to receive and support the hardened glass coil as it leaves said mandrel, and motor means for rotating said mandrel and said rollers in fixed speed relation.

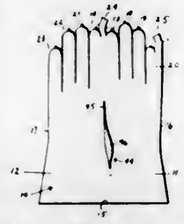
2,545,272

GLOVE

Gladys Whitcomb Geissmann, New York, N. Y., assignor to Merry Hull & Company, New York, N. Y., a copartnership

Application July 31, 1947, Serial No. 764,954
3 Claims. (Cl. 2—169)

1. A glove comprising joined palm and back portions having finger portions thereon, said palm portion having a slit therein extending downwardly at an acute angle to the axis of the forefinger portion thereon, from adjacent the inner end of the forefinger portion, a thumb-covering portion including a thumb-front portion having a rounded outer end portion corresponding in shape to the front of the end of the human thumb, opposite lateral edges and an inner triangular end, a thumb-back portion having a rounded outer end portion, diverging lateral edges adjacent to said outer end, and a triangular inner end portion, said rounded end portions and parts of said lateral edges of said thumb-front and



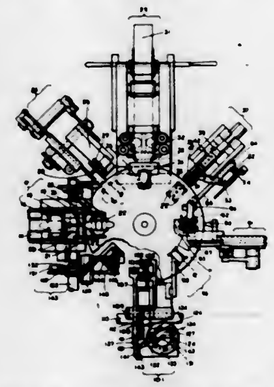
thumb-back portions being joined, said triangular end of said thumb-front being secured to said palm portion with its apex extending toward the forefinger covering portion of said palm portion, and said triangular portion of said thumb-back portion being secured to said palm portion with its apex extending in the opposite direction from said forefinger portion.

2,545,273

WRAPPING MACHINERY

Joseph Arthur Gilbert, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company

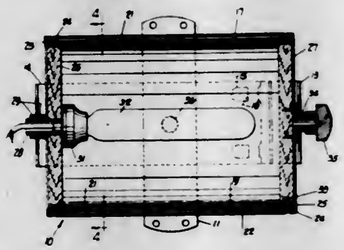
Application February 7, 1946, Serial No. 646,152
In Great Britain February 27, 1945
2 Claims. (Cl. 93—2)



1. A wrapping machine comprising a movable pocket member formed with a series of pockets each of which is provided with a wrapping, means for feeding articles to successive pockets of said pocket member for transference to a succession of stations at each of which an operation is performed, a magazine arranged above that pocket of the pocket member which for the time being is at a main ejecting station, an ejecting member arranged below the pocket at the main ejecting station, operating means for causing the ejecting member normally to pass through the base of each pocket in turn as it arrives at the main ejecting station so as to eject the wrapped article into the magazine, a detecting mechanism adapted to detect failure of the article-feeding

means to feed an article forward, a stop mechanism arranged upon such detection to prevent actuation of said operating means upon arrival at the main ejecting station of the pocket to which the article-feeding means failed to feed an article, an auxiliary magazine arranged at an auxiliary ejecting station succeeding the main ejecting station, an auxiliary ejecting member arranged below that pocket which for the time being is at the auxiliary station, and operating means for causing the auxiliary ejecting member to pass through the base of each pocket in turn as it arrives at the auxiliary ejecting station so as to eject into the auxiliary magazine the wrappers not containing articles.

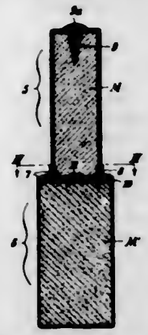
2,545,274
ADJUSTABLE FILTER DARKROOM LIGHT
Alton H. Golden, East Cleveland, Ohio
Application June 25, 1947, Serial No. 756,978
3 Claims. (Cl. 240—20)



3. A light of the class described comprising an arcuate filter member having a plurality of longitudinally extending arcuate circumferentially spaced uniform size zones of different light filter characteristics, an arcuate shade adjustably positioned on the outer surface of said filter member and of an arcuate length equal to said filter member less one zone thereof, an electric light associated with said filter member within the arc defined thereby, end members for said filter member positioned within same, means engaged with said end members to position said filter member and shade for arcuate movement on their longitudinal axis whereby any desired zone of said filter member can be exposed, and handle means secured to one of said end members to facilitate rotation of said filter member on its longitudinal axis, said shade being engageable manually and rotatably carried by said filter member to enable the said handle means to set the desired zone of said filter member at the opening in said shade.

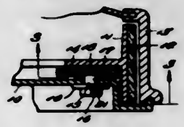
2,545,275
FUSEE
Paul H. Griffith, Ardmore, Pa.
Application May 14, 1948, Serial No. 26,951
5 Claims. (Cl. 102—37.7)

1. A fusee with a hollow upper body component fashioned from combustible material and packed with a slow burning combustible signal flame-producing composition; an attached hollow lower body component fashioned from non-combustible material and packed with a combustible signal smoke-emitting composition; and a separating diaphragm of non-combustible material between the two components having an orifice therein for access of flame to the lower component to ignite the smoke emitting composition after the upper component is entirely consumed, the area of said orifice being so proportioned as to control the rate of emission of the smoke from said lower



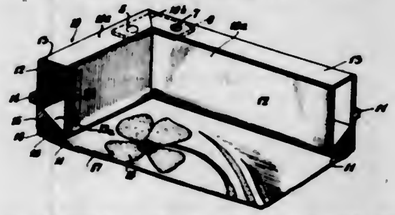
component with attendant creation of a billowing effect in the smoke discharge.

2,545,276
BRAKE LINING THICKNESS INDICATOR
Carl Hagedorn, Everett, Wash.
Application October 7, 1946, Serial No. 701,853
2 Claims. (Cl. 188—79.5)



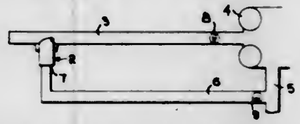
2. In association with a vehicle brake including a support shield, an internal expanding shoe, a shaft journaled for rotation on the shield, an adjustment cam engaging the shoe and supported on the shaft, a brake lining thickness indicator comprising an indicia bearing disc rotatable concurrently with the cam and mounted on the shaft, a pin fixed to said shield and projecting outwardly therefrom, and a laterally projecting lug on the circumferential edge of said disc, said pin being disposed in the path of rotation for said lug to abut the lug and limit rotation of said indicia bearing disc.

2,545,277
STENCIL SCREEN FRAME
Charles J. Hannah and Russell D. La Salle, Paterson, N. J.
Application June 4, 1947, Serial No. 752,486
4 Claims. (Cl. 101—127.1)



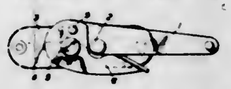
3. An improved stencil frame for use with stencil screens attached to the frame by nails comprising a frame body having transversely-rounded bottom surfaces and recesses having at least a pair of flat walls with mouths opening on the outer lower portions of the rounded bottom surfaces outwardly of the lowest point of said surfaces with marginal portions of the screen adapted to be stretched under and in contact with said rounded surfaces and upwardly and outwardly across said mouths, the width of the mouths of said recesses not exceeding the width of the bottoms of said recesses, and nail-receivable strips in said recesses flush with the rounded bottom surfaces and exposed through said mouths to receive the screen attaching nails with the nail heads above the plane of the stretched stencil screen whereby the components of the stretching stress of the screen acting through the fastenings will tend to lock the strips in place in the recesses.

2,545,278
LINE CLEANER
Cornelius R. Head, Houston, Tex.
Application January 28, 1948, Serial No. 4,816
3 Claims. (Cl. 103—204)



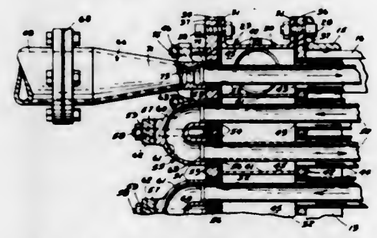
1. A mud pump line removal and sedimentation inhibitor device comprising, a body, a threaded portion on each end thereof; one end of said threaded body projecting into the line to be cleaned and the other end of said body being connected into a discharge line of a pump, the end of said body projecting into the line to be cleaned having a nozzled opening therein facing longitudinally with respect to said line and adjacent the inner surface of such line whereby as fluid is directed through the discharge line of said pump out through the opening in said body, sedimentation in the line will be removed or prevented from forming by the discharge of the fluid from the opening.

2,545,279
COMBINED STAY AND DEVICE FOR OPENING AND CLOSING WINDOWS AND LIKE MEMBERS
Leonard Bayliffe Henderson, Birmingham, England
Application November 10, 1947, Serial No. 785,118
In Great Britain December 12, 1946
1 Claim. (Cl. 268—118)



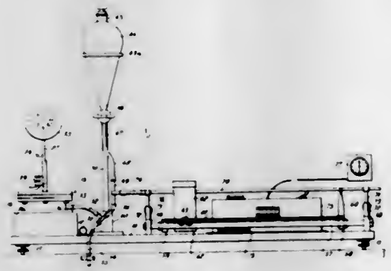
A device for opening and closing windows, ventilators or the like and for securing the same in open and closed positions, respectively, comprising a mounting member having a flat mounting surface, a stay lever pivotally mounted intermediate its ends on said mounting member to ride over said flat surface when pivoted on said mounting member, a slot in said flat surface of said mounting member, a pivot member slidably mounted in said slot, a finger lever pivotally mounted on said slidably mounted pivot member and pivotally connected to the inner end of said stay lever, said inner end of said stay member being located between the portion of said finger lever pivoted thereto and said flat surface of said mounting member, and a depression portion on said finger lever and located on the side of said pivot member opposite the side pivoted to the stay lever for bearing on said flat surface of said mounting member to support said finger lever on said flat surface of said mounting member and to form a stop for bearing against said stay lever to limit the opening movement of such lever, said finger and said stay levers being so arranged that they form a pair of toggle links, said pair of toggle links being formed by the portion of said finger lever between said slidably mounted pivot member and the pivot connection of said stay lever with such finger lever, said pairs of toggle links extending substantially at right angles to said slot when the window is fully open or fully closed.

2,545,280
HEAT EXCHANGE APPARATUS
Thomas J. Hollmeyer and Jacob Buchert, Cincinnati, Ohio, assignors to Ansonia Copper and Iron Works, Inc., Cincinnati, Ohio, a corporation of West Virginia
Application May 15, 1947, Serial No. 748,226
3 Claims. (Cl. 257—247)



1. In a heat exchange apparatus the combination of a pair of longitudinally spaced, recirculating headers each comprising a rectangular shell having marginal inside and outside bolting flanges extending at right angles from the shell, an inside and an outside tube sheet bolted to the respective flanges of each header, a row of holes formed through each of the inside tube sheets, a series of pairs of recirculating jacket tubes extending between the headers and each tube having its opposed ends expanded into the aligned holes in the inside tube sheets, a row of holes formed through each of the outside tube sheets in alignment with the holes in the inside tube sheets, a heat exchange tube extending through the central portion of each jacket tube and through the respective holes in the outside tube sheets with its ends projecting beyond said sheets, spacer elements between each pair of jacket and heat exchange tubes, a baffle carried by the shell and extending completely across the header interior between each succession of pairs of jacket tubes in the row, inlet means for introducing conditioning fluid into one end of the header, outlet means associated with the opposite end of said header, means for introducing fluid to be conditioned into an inside tube sheet adjacent the outlet means for the header, a counterbore formed in the exterior side of the outside tube sheet around each hole therein, an expansible washer seated in each counterbore and surrounding the respective end portion of the heat exchange tube that extends through said hole, an elbow having opposed annular seat portions encircling the common ends of adjacent pairs of heat exchange tubes, and mounting means on the outside tube sheet for releasably securing the annular seat portions of the elbow against their respective washers to seal the opening between the outside tube sheet and the heat exchange tube and the joint between the elbow and the said heat exchange tube.

2,545,281
FABRIC MOISTURE ABSORBENCY TESTER
Stanley Paul Hunt, Charlottesville, Va., assignor to Institute of Textile Technology, Charlottesville, Va., a corporation of Virginia
Application October 19, 1948, Serial No. 55,383
14 Claims. (Cl. 73—73)



1. Apparatus for measuring the rate of absorption of a liquid by a sample of material, which comprises a vessel having a top opening, a screen mounted horizontally across the opening, a capillary tube connected at one end to the vessel and mounted horizontally with its passage in the plane of the screen, means for supplying the liquid to the vessel and tube, a timing device, means for pressing the sample upon the screen and simultaneously starting the timing device, and means operable, when the end of the liquid column in the tube has passed beyond a selected point, for stopping the timing device.

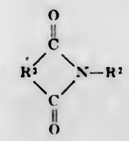
2,545,282
ERASING DEVICE
René Jenny, New York, N. Y., assignor, by mesne assignments, to Blue Robin Corporation, New York, N. Y., a domestic corporation
Application November 15, 1946, Serial No. 710,085
In Switzerland November 15, 1946
3 Claims. (Cl. 120—36)



1. A rotary eraser instrument comprising, in combination, a handle, a rotatable shaft mounted within said handle, a nipple, means including a goose-neck tube connecting said nipple to said handle, a two-part holding member mounted for rotation within said nipple, a flexible shaft extending through said goose-neck tube for connecting said shaft with said holding member, a socket carried by one part of said holding member and slidably connected to the other part of the same, and a lug externally carried by said nipple.

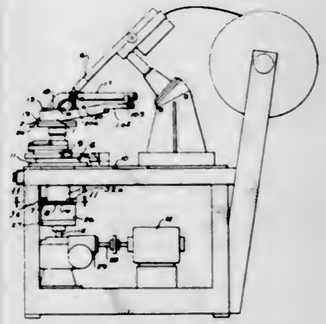
2,545,283
TERTIARY DIACYL AMINE INSECTICIDES
John R. Johnson, Ithaca, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 10, 1945, Serial No. 621,593
3 Claims. (Cl. 167—33)

3. An insecticidal composition comprising in admixture with a hydrocarbon solvent a tertiary diacyl amine represented by the formula



where R^3 is an alicyclic o-divalent radical and R^2 is an alkyl radical containing one to twelve carbon atoms inclusive.

2,545,284
WELDING MACHINE
Clevoe D. Jones, Royal Oak, Mich., assignor to Michigan Steel Tube Products Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1949, Serial No. 84,389
8 Claims. (Cl. 219—8)



1. A machine having in combination a tool and fixture having a fixed position, a work carrying table having a 360° rotating movement and also a limited orbital movement about the end of the tool as a center in a direction counter to the rotational movement, means for giving the table such combined rotational and orbital movement comprising a swinging head for journaling the table and which can be set to have the axis on which the table rotates offset from the axis on which the head turns to cause the work to turn and roll around the end of the tool, and driving means to simultaneously turn the table 360° and the head only part of a turn, whereby work with a sidewise projecting part is given a full rotation with respect to the tool but the orbital movement will carry the sidewise projecting part to a position clear of the fixture notwithstanding the work is so shaped that with a full 360° turn about a fixed axis the part would collide with the fixture.

2,545,285
PROCESS FOR THE MANUFACTURE OF PERCHLOROMETHYL MERCAPTAN AND ITS SEPARATION FROM THE VARIOUS SULFUR COMPOUNDS
Mortimer J. Kamlet, Chattanooga, Tenn., assignor to Tennessee Products & Chemical Corporation, Nashville, Tenn., a corporation of Tennessee
No Drawing. Application December 5, 1949, Serial No. 131,248
6 Claims. (Cl. 260—543)

1. A process for the manufacture of perchloromethyl mercaptan which comprises chlorinating carbon disulfide in the absence of actinic radiation until the volume of the chlorinated product is from 2.00 to 2.5 times the volume of the original carbon disulfide, thereafter decomposing the by-product sulfur monochloride and sulfur dichloride by reaction with a member of the group consisting of the lower aliphatic alcohol, the lower aliphatic ethers and mixtures thereof, and separating the substantially unreacted perchloromethyl mercaptan from the more volatile by-products formed by said decomposition.

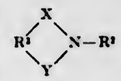
2,545,286
PROCESS FOR MAKING LAMINATED WOOD PRODUCTS
George Kessler, St. Louis, Mo.
Application December 22, 1945, Serial No. 636,923
5 Claims. (Cl. 154—121)



1. The method of preparing an inlaid laminated sheet which comprises superimposing a plurality of wood plies impregnated with thermoplastic material, the uppermost ply of which is provided with a stamped out design-defining aperture, interposing a sheet of metal foil beneath the said aperture and the directly underlying ply, subjecting the plies and interposed foil to heat and pressure for simultaneously compressing and laminating them, and forcing the metal foil upwardly to fill the design-defining aperture.

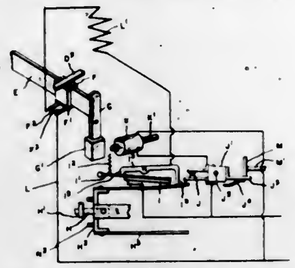
2,545,287
TERTIARY DIACYL AMINE INSECTICIDE
James E. Kirby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 10, 1945, Serial No. 621,595
4 Claims. (Cl. 167—24)

1. An insecticidal composition containing as an essential active ingredient in solution in kerosene, a tertiary diacyl amine represented by the formula



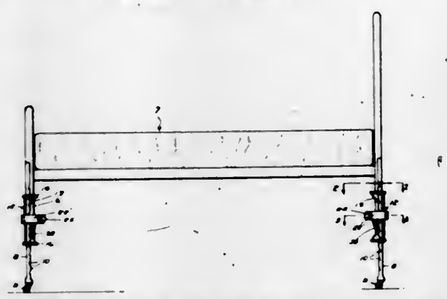
in which —XR^3Y— is a diacyl radical and R^2 is a monovalent organic radical linked to the nitrogen atom thru a carbon atom.

2,545,288
TIMING SWITCH FOR ELECTRIC TOASTERS
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application March 3, 1947, Serial No. 731,924
5 Claims. (Cl. 175—320)



4. A manually operable electric circuit closing main switch, a detent operably associated therewith for holding said switch closed, electromagnetic means cooperating with said detent to release the same, a normally open auxiliary switch controlling the energizing and de-energizing of said electromagnetic means, an electric heater energized by the closing of said main switch, a rotary carrier, a series of bi-metal thermostatic bars mounted on said carrier with one of said bars operatively positioned adjacent said auxiliary switch in parallel relation to said heater to be gradually deflected toward said switch and said heater by the heat therefrom into a position for closing said auxiliary switch thereby releasing said detent and opening said main switch, means operated by the deflection of said thermostatic bar for moving the heater closer to said bar, and means operated by each closing of said main switch for rotating said carrier to bring another of said thermostatic bars into operative position.

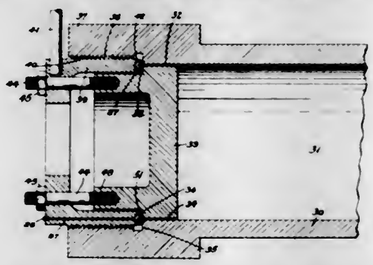
2,545,289
BED ELEVATOR
Frank G. Lang, Miami, Fla.
Application December 13, 1948, Serial No. 65,049
3 Claims. (Cl. 5—11)



3. A bed elevator of the character described for detachable connection to bed legs comprising an elongated standard square in cross-section and provided with ratchet teeth upon one side for the full width of the side, an antifriction roller carried by the lower end of the standard, a stop device carried at the upper end of the standard, a bed leg carriage for detachable and supporting connection to the leg of a bed, said carriage provided with aligned and square openings for slid-

able engagement over the standard, said carriage comprising a pair of integral side walls arranged at an angle of ninety degrees with each other, reinforcing flanges formed on the upper and lower ends of the walls, the flanges of the lower end being extended inwardly to provide a rest for supporting the end of the bed leg, ribs formed on the inner side of one wall for the vertical alignment of the bed leg, said walls jointly forming an angular socket for the reception of the bed leg, a pair of spaced ears formed on one wall, an arcuate clamp pivotally supported between the ears for swinging in a horizontal plane, said clamp arranged equidistantly spaced from the upper and lower ends of the carriage, the clamp having a hooked end, a clamping screw threaded through the clamp in a horizontal manner and provided with a cushion bumper on its inner end, a hooked bifurcated extension formed on the carriage, a latch pivotally supported in the bifurcated end, a spring for urging the latch to operative position in alignment with the hooked end of the clamp, a pawl vertically arranged and pivoted in the extension for swinging engagement with the teeth of the standard, a spring anchored in the extension and bearing against the pawl, said pawl held in slidable contact with the teeth of the standard throughout the upward sliding movement of the carriage.

2,545,290
HIGH-PRESSURE CLOSURE FOR AUTOCLAVES AND THE LIKE
Charles A. Long, Titusville, Pa., assignor to Struthers Wells Corporation, Titusville, Pa., a corporation of Maryland
Application September 18, 1946, Serial No. 697,634
7 Claims. (Cl. 220—39)



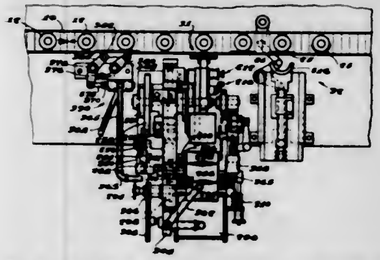
6. Sealing means for closing the joint between the shell and cover of a container in which the shell has an opening surrounded by an outwardly facing annular internal shoulder and the cover is arranged in said opening and has an outwardly facing annular external shoulder adjacent to said internal shoulder, said sealing means including a tubular thrust member surrounding said cover and having a screw connection with said shell and provided at its inner end with an annular groove which is of semi-cylindrical form in cross section, an equalizing ring having an outer convex face of semi-cylindrical form in cross section seated in said groove on the thrust member, and packing means interposed between the inner side of said equalizing ring and said shoulders and extending across the joint between the same, said packing means including a bearing ring engaging its outer side with said equalizing ring and provided on its inner side adjacent its inner and outer circumferential edges with inwardly projecting inner and outer annular beads which respectively oppose the shoulders of said cover and shell and the outer bead of said bearing ring being arranged a lesser distance outwardly from the center of the convex face of said equalizing ring than the distance of the inner bead inwardly from said center.

2,545,291
POLISHING COMPOUND AND CARRIER THEREFOR
Joseph Lupo, Mount Vernon, N. Y.
Application October 28, 1948, Serial No. 57,119
1 Claim. (Cl. 51—164.5)



In a polishing compound for processing articles, a fibrous carrier of generally rounded formation having projections extending outwardly from one portion thereof, and an abrasive bonded to the surface of the carrier by an adhesive and lubricating vehicle including lanolin, glycerin and kerosene of normally solid consistency and which liquefies under the heat generated in the processing of the articles.

2,545,292
LABELING MACHINE
Joseph Magnusson, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application September 13, 1945, Serial No. 615,973
6 Claims. (Cl. 216—55)

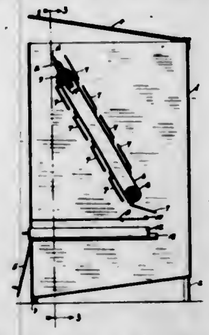


1. In a labeling machine, in combination, a conveyer for supporting and conveying the containers to be labeled, labeling mechanism including a magazine for supporting a stack of labels, a movable suction pad adapted to engage and withdraw the lowermost label in the stack, a rotary valve in a suction line connected to said suction pad and movable therewith, an arm carried by said rotary valve, and container actuated control means including a pair of shiftable cam pieces projectable into the path of movement of the arm to engage said arm to effect opening of said rotary valve by one of said cam pieces when a container is present on said conveyer, or to effect closing of said rotary valve by the other of said cam pieces in the event that a container is not present on said conveyer whereby to prevent withdrawal of a label from the magazine.

2,545,293
CAN DRAINING MACHINE
Edward Francis McGeady, Baltimore, Md.
Application June 1, 1948, Serial No. 30,259
3 Claims. (Cl. 222—112)

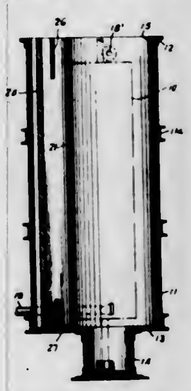
1. A cabinet having a forwardly sloping bottom and a horizontally extending tray spaced from

the bottom, a drain for oil cans comprising a pair of vertically spaced horizontally positioned pivoted rolls, the upper roll being forward of the lower, an endless belt around said rolls adapted to be moved therearound, spaced longitudinally positioned hooks on both runs of said belt, the hooks being positioned to present upwardly projecting free ends on the rear rearwardly sloping



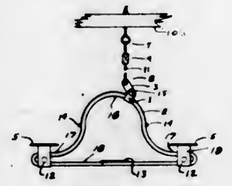
run of the belt surface in all positions of movement of the belt around the rolls, cans being adapted to be turned with their open ends down and hung over said hooks to drain into the tray, the tray being spaced from the rear end of the cabinet to allow cans to pass thereby upon falling from the hooks upon the inversion of the hooks as they pass around the lower roll, and to slide to the front of the cabinet.

2,545,294
ANODE CONTROL FOR PLATING TANKS
William Messinger, Philadelphia, Pa., and Donald B. Lytle, Bronxville, N. Y.; said Lytle assignor to Time, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1948, Serial No. 18,167
1 Claim. (Cl. 204—212)



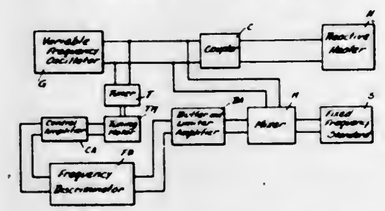
A tank for plating elongated cylinders comprising an elongated vertically disposed tank structure for containing an electrolyte and an elongated cylinder, a vertically disposed bay extending outwardly of and opening into the tank at one side thereof, an anode in the bay, means for adjusting the position of the anode in the bay, a door between the bay and the tank, a well in the bottom of the tank, a plate mounted for rotation in the well, and a bearing mounted on the plate for eccentric rotation with reference to the plate and for receiving one end of an elongated cylinder, the door being supported for rotation about a vertical axis to vary the effective width of the entrance into the bay during a plating operation and thereby control the current density under varying conditions of temperature in the electrolyte, the plate in the well being rotatable to adjust the distance between the anode and the cylinder to be plated, and the cylinder supporting bearing being rotatable relative to the plate for rotating the cylinder within the tank during the plating operation.

2,545,295
SWING
Erwin E. Miller, Ravenna, Ohio
Application October 22, 1946, Serial No. 705,934
12 Claims. (Cl. 155—62)



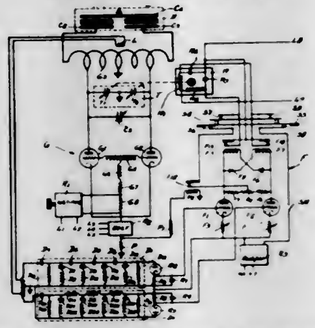
6. Frame for a teetering play apparatus comprising an elongated structure formed of a bar having its middle portion bent to form a loop and having its end portions extending rectilinearly in opposite directions from the bottom of said loop, rider seats supported on said end portions, and suspension means adjustably securable at various single points about the upper arc of said loop.

2,545,296
CONSTANT FREQUENCY CONTROL FOR HIGH-FREQUENCY HEATING APPARATUS
Eugene Mittelmann, Chicago, Ill.
Application February 20, 1946, Serial No. 649,071
4 Claims. (Cl. 250—36)



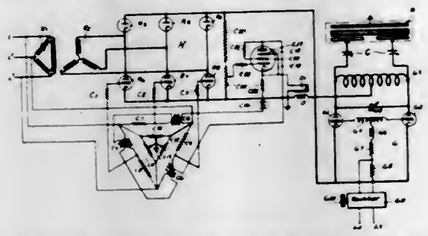
1. In high frequency apparatus, a high frequency oscillator circuit, a work circuit including a reactive load so coupled to the oscillator circuit that changes in the impedance of the work circuit affect the frequency of operation of the oscillator circuit, a fixed frequency source, means coupled to the oscillator and said source for beating the oscillator frequency with a fixed frequency, a tuner in said work circuit, means including circuits tuned to different frequencies coupled to said beating means and to said tuner for operating the tuner when the difference between the frequency of the oscillator circuit and the fixed frequency varies from a predetermined value whereby to maintain constant the frequency of operation of the oscillator.

2,545,297
OSCILLATION FREQUENCY CONTROL
Eugene Mittelmann, Chicago, Ill.
Application March 13, 1946, Serial No. 654,199
2 Claims. (Cl. 250—36)



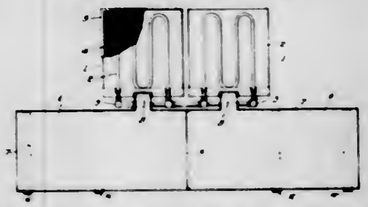
1. A high frequency heating apparatus comprising a vacuum tube oscillator including a tuner, and adapted to be connected to a reactive heater the impedance of which varies during the heating operation to vary the frequency of operation of the oscillator, a frequency control circuit for said oscillator including electric motor means for driving said tuner, a pair of electronic discharge tubes arranged in a voltage balancing bridge circuit, means responsive to the polarity of a difference voltage provided by said voltage balancing bridge circuit for controlling the forward and reverse operations of said reversible electric motor means, a high pass filter and a low pass filter coupled to said oscillator, said filters having frequency cut-off characteristics overlapping at substantially a predetermined selected operating frequency of said oscillator and having frequency pass characteristics extending substantially to the frequency limits of the oscillation ability of the oscillator, rectifier means connected to and receiving energy passed by each of said filters for developing direct current potentials varying oppositely in magnitude in accordance with the deviation in frequency of the oscillators from said predetermined selected value, and means for applying said potentials to the tubes of said voltage balancing bridge circuit, said voltage balancing bridge circuit including means for balancing the said potentials against each other when the oscillator is operating at said predetermined selected frequency value.

2,545,298
RECTIFIER
Eugene Mittelmann, Chicago, Ill.
Application March 13, 1946, Serial No. 654,201
4 Claims. (Cl. 321—40)



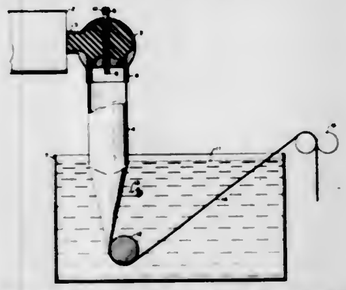
1. A three phase full wave space discharge tube rectifier having a plurality of pairs of serially connected unidirectional conducting space discharge tubes, each pair of tubes including a tube having a control electrode, a control circuit for supplying control potentials to said electrodes including a three-phase, phase shifting network having a plurality of saturable reactors having their saturated windings in series, a source of saturating current for said saturating windings of said reactors, and a grid control space discharge tube having its anode and cathode in series with said windings for controlling the magnitude of current supplied by said source to said saturating windings, the grid of said control tube being connected to be responsive to a change of potential across the output of said rectifier.

2,545,299
APPARATUS AND METHOD FOR HANDLING CAPSULES
Rex E. Moule, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 23, 1947, Serial No. 756,570
2 Claims. (Cl. 62—104)



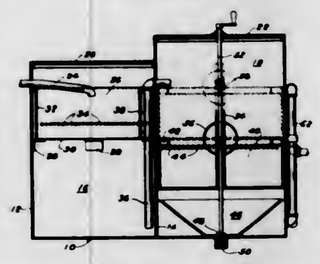
1. Apparatus for treating capsules of the type comprising a filling enclosed in a shell of soft capsule-shell-forming material after their formation by a capsulating machine, comprising a tank for a liquid bath, said tank being open at its top so that capsules discharged from a capsulating machine may drop directly into the bath, a heat exchanger for maintaining the liquid in the tank cool, a basket in the tank for carrying capsules immersed in the bath, said basket being movable into and out of the tank, and a drainboard leading to the tank for returning liquid drained from the capsules back to the tank when the basket is moved out of the tank.

2,545,300
APPARATUS FOR AND METHOD OF FABRICATING SHEETS OF PLASTIC COMPOSITIONS
Stanhope Nixon, Nixon, N. J.
Application October 20, 1949, Serial No. 122,468
17 Claims. (Cl. 18—14)



5. In apparatus for fabricating molded sheets from a plastic composition, the combination of an extrusion device provided with a die through which the composition is ejected in tubular form, a tank, a liquid contained within the tank for immersion of the extruded tube, a guide means in the tank below the level of the liquid for feeding the tube through the tank, a nozzle projected to the interior of the extruded tube for ejecting fluid therein for expanding said tube as it is being formed, and means disposed between the guide means and the level of the liquid in the tank for slitting the tube longitudinally into sheets.

2,545,301
SEWAGE DISPOSAL EQUIPMENT
James O'Donnell, Los Angeles, Calif.
Application June 19, 1948, Serial No. 34,075
7 Claims. (Cl. 210—6)



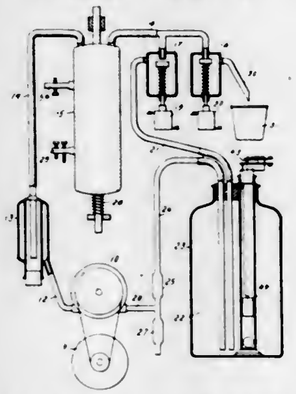
1. Sewage treatment apparatus comprising: a first tank and a second tank; a trap in and extending across substantially the whole area of each tank, each trap having an open top, an imperforate bottom and imperforate sides except for a series of small holes extending through said sides intermediate the top and bottom thereof; an inlet pipe discharging sewage into the trap in the first tank below the level of the contents of the trap; an overflow pipe leading effluent from a point adjacent the bottom of said first tank into the second tank to a point above the trap in said second tank; a pipe delivering waste water into said second tank above the trap in said second tank; outlet valve means fitted to said waste water pipe and effective to prevent the entry of gas from the second tank into said pipe; means effective to discharge liquid from the second tank when a predetermined level has been reached therein; means enabling undissolved particles accumulated on the bottom of said second tank to be removed; and means for stationarily supporting the trap of the first tank in position near the top of said first tank while the trap of the second tank is buoyantly supported therein.

2,545,302
FLASK
Jose R. Perez Lias, Mexico City, Mexico
Application June 2, 1947, Serial No. 751,909
In Mexico June 22, 1946
3 Claims. (Cl. 215—6)

1. In a flask comprising a hollow flask body having an imperforate closed bottom, side walls and an opening in the upper end thereof, the combination of an integral upwardly extending projection forming a closure member upon the intermediate portion of the bottom within the flask body; and an insertible rod adapted to extend down into the latter and having a cavity in the lower end thereof forming a container on said rod of greater internal depth than the height of the projection or closure member upon said bottom and removably fitting said projection or closure member tightly so that an internal chamber results between the upper end of said projection and the inner end or bottom of said cavity or container.



2,545,303
LIQUID DISPENSING APPARATUS
Giuseppe Petrucci, Caracas, Venezuela
Application December 6, 1949, Serial No. 131,440
In Venezuela September 13, 1949
7 Claims. (Cl. 222—67)



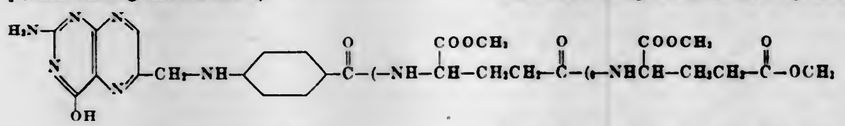
1. Apparatus for dispensing a measured amount of a liquid from a reservoir thereof to a receiving vessel which comprises a measuring receptacle, pressure control means for alternately establishing a partial vacuum and a pneumatic pressure in the measuring receptacle, liquid communicating means between the reservoir and the measuring receptacle whereby liquid is drawn from the former to the latter when a vacuum is established in the receptacle, valve means for diverting to the receiving vessel the flow of liquid discharged from the measuring receptacle when a pneumatic pressure is established therein, and electric control means for said pressure control means responsive to the amount of liquid in the measuring receptacle in such manner as to alternately establish a partial vacuum and a penumatic pressure in the receptacle whereby the liquid is first drawn from the reservoir into the receptacle and is subsequently discharged therefrom to the receiving vessel.

2,545,304
VITAMIN PRODUCTS AND METHODS OF OBTAINING THE SAME
Joseph J. Pfiffner, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 16, 1945, Serial No. 599,955
10 Claims. (Cl. 260—251.5)

1. Process for the isolation of a compound having chick anti-anemia activity and substan-

tially no growth effect on *Lactobacillus casei* which comprises adsorbing said activity on charcoal from an acidified aqueous extract containing the chick anti-anemia activity, eluting the activity with aqueous alcoholic ammonia, concentrating the eluate and extracting the concentrate exhaustively with a lower aliphatic alcohol having a slight miscibility with water, evaporating the aqueous phase containing the desired activity to dryness, taking the residue up in water, adding the resultant solution to a lower alkyl ketone acidified with mineral acid, filtering the mixture, adsorbing the activity from the filtrate on charcoal, eluting the activity with aqueous alcoholic ammonia, concentrating the eluate, extracting the concentrate with phenol, saturating the aqueous phase containing the chick anti-anemia activity with ammonium sulfate, extracting the solution with phenol, treating the phenol phase with ether and water, adjusting the pH of the aqueous phase which separates to about 7, precipitating the active principle from said aqueous phase as the zinc salt, suspending the zinc salt in an aqueous acid solution at about pH 2.5, filtering the mixture, extracting the filtrate with phenol, treating the phenol phase with ether and water, adjusting the pH of the resultant aqueous phase to about 7, concentrating the solution, precipitating the active principle from the concentrate as the zinc salt, treating the dry zinc salt with lower alkyl alcohol and a small amount of mineral acid, evaporating the mixture, adding water and separating the precipitated crystalline lower alkyl ester of the chick anti-anemia factor, hydrolyzing the lower alkyl ester with alkali and separating from the hydrolysate in substantially pure form the vitamin conjugate having chick anti-anemia vitamin activity and substantially no growth effect on *Lactobacillus casei*.

9. An octamethyl pteroyl hepta glutamide compound having the formula,



2,545,305
DIHYDROPTEROYLGLUTAMIC ACID AND PROCESS FOR PREPARING THE SAME
Boyd L. O'Dell, Columbia, Mo., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 14, 1946, Serial No. 697,155
3 Claims. (Cl. 260—251.5)

3. The compound, dihydropteroylglutamic acid.

2,545,306
FORMATION TESTER AND SAMPLER
Robert O. Pollard, Jr., Downey, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 24, 1949, Serial No. 117,660
2 Claims. (Cl. 255—1.4)

1. A formation tester and sampler comprising a body member adapted to be lowered through a well bore with its long axis approximately coincident with that of the well bore, a base member positioned within said body member and pivoted on an axis therein normal to the long axis of the body member, a projectable tubular member open at its outer end carried by said base member which, when retracted with its axis of projection normal to the long axis of the body member, lies within said body member and which, when extended with its axis of projection normal to the long axis of the body member, projects beyond the body member in a plane approximately normal to the axis of such well bore, a recess in said body member adapted to receive said projectable member when extended



with said base member turned so that the axis of projection of said projectable member is approximately parallel to the long axis of the body member, power means carried by said body member for driving said projectable member into the formation around the well bore in a plane approximately normal to the axis of the well bore when the body member is in position within the well bore, and means for releasing said projectable member to permit withdrawal of said body member through the well bore.

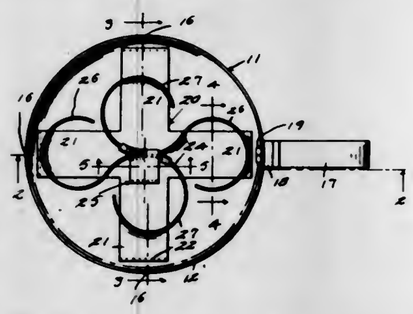
2,545,307
LIGHTING FIXTURE FOR ELONGATED TUBULAR FLUORESCENT LAMPS
Bert C. Pretzer, St. Clair Shores, Mich., assignor to Illuminating Engineering Company, Hazel Park, Mich., a corporation of Michigan
Application October 17, 1946, Serial No. 703,734
3 Claims. (Cl. 240—51.11)



1. A lighting fixture comprising a U-shaped trough, oppositely arranged, inwardly projecting, longitudinal strips thereon along the upper edges of said trough, said strips being angularly inclined downward, hollow boxlike transversely extending tubular lamp supporting members adjustably and slidably mounted upon opposite ends of said trough and projected laterally therefrom upon opposite sides of said trough, with the top

inner walls of said supporting members throughout their widths bearing upon said upper ends, transversely extending locking plates adjustably carried below and in spaced relation to said top walls with their opposite ends slidably extending under said strips for securing said end members upon said trough, and screws carried by said top walls projecting downwardly therefrom threadably engaging said plates for drawing the same up tightly into cooperative securing relation with said strips.

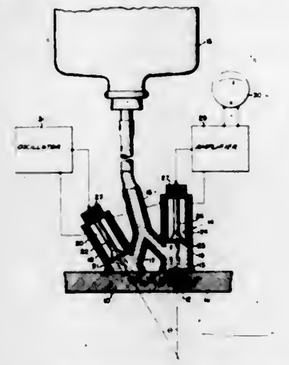
2,545,308
EGG COOKER
Ben T. Ritchie, Salt Lake City, Utah
Application June 27, 1947, Serial No. 757,365
4 Claims. (Cl. 99—440)



1. An egg cooker comprising, in combination with a cooking vessel having a substantially flat bottom, a rack removably disposed in the vessel and having depending supporting legs adapted to rest on said bottom, said vessel being adapted to be filled with water to approximately the level of the upper ends of said legs, and an egg holder, for supporting a plurality of eggs for steaming, demountably supported on the top of said rack and above the water level and having an upstanding handle by which said egg holder can be applied to or removed from the vessel while the water therein is in a heated condition, said egg holder comprising a relatively wide S-shaped strip of a resilient material having yieldably expansible end portions each adapted to yieldably support an egg in an upright position, one longitudinal edge of said strip engaging the top of the rack to support the egg holder thereon.

2,545,309
WELD TESTING INSTRUMENT
Rex S. Roberts, Belmont, Mass., assignor to Transducer Corporation, Boston, Mass., a corporation of Delaware
Application May 29, 1948, Serial No. 30,088
6 Claims. (Cl. 73—67)

1. A weld-testing instrument comprising an electromechanical transducer; means providing a sonic column for coupling said transducer to a welded plate at one side of a weld therein; an electromechanical receiver; means providing a sonic column for coupling said receiver to the weld in the plate at said one side thereof; a high-frequency oscillator connected to said transducer; and means connected to said receiver for indicating the intensity of the energy reflected by the weld, the axis of the second-mentioned sonic column extending through the weld perpendicular to the surface of the plate, and the axis of the first-mentioned sonic column being arranged at an angle slightly less than the critical angle at which refraction causes the energy,



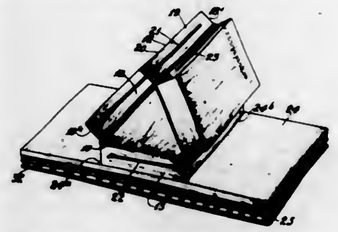
generated by the transducer, to proceed longitudinally through the plate towards the weld.

2,545,310
MATTRESS REINFORCING DEVICE
Max Rosberger, Newark, N. J.
Application June 5, 1948, Serial No. 31,251
5 Claims. (Cl. 5—317)



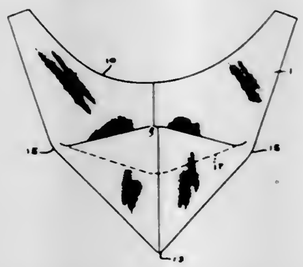
1. A device to compensate for the medial sagging of an article of furniture, comprising a resilient, flexible sheet member having spaced parallel edges, strips secured to said edges, spring members having outer ends secured to said strips, and an expansion and contraction device secured to the inner ends of said springs connecting the same and operable to expand and contract the sheet member.

2,545,311
SECTIONAL MATTRESS HOLDER
Max Rosberger, Newark, N. J.
Application June 29, 1948, Serial No. 35,943
2 Claims. (Cl. 5—354)



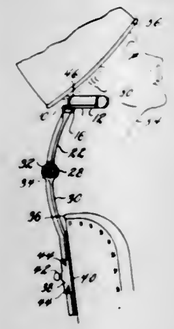
1. A sectional mattress holder comprising an elongated rectangular flexible top wall member of a length equal to the length of the sectional mattress, compartment casings secured to said top wall member, each casing having end and side walls secured to the top wall member and a bottom wall secured to said end and side walls, and a base sheet secured to one of said compartment casings and having a marginal depending flange.

2,545,312
GARMENT SHIELD
Mathew Saari and Victor De Cesare, Baltimore, Md., assignors to J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland
Application January 16, 1948, Serial No. 2,707
6 Claims. (Cl. 2—53)



1. A wedge shaped garment shield of one piece of cloth and of double thickness having as its only seam a vertically directed seam in the center of the back, the seamless shield edges each having therein an outwardly directed obtuse angle to give greater width to the shield midway its depth, the cut and fold of the shield producing a fullness in the seamed side of the shield, and a fold portion in the seamed side of the shield to take up the fullness therein.

2,545,313
BEAUTICIAN'S DEVICE FOR RETAINING A HEAD IN A PREDETERMINED POSITION
Athena F. Sawyer, San Benito, Tex.
Application September 3, 1947, Serial No. 771,898
1 Claim. (Cl. 155—173)



A head rest comprising a plate having its major face disposed in a plane providing a substantially flat surface with its perimeter defining a U-shape for the plate, a resilient pad mounted on said surface and extending beyond and about the inner edge of the plate's perimeter, the inner edge of said pad configured to provide an intermediate enlargement in the plane of the major face between the center of said plate and each terminus thereof, said enlargements adapted to provide increased pressure areas against the neck of a person whose head is resting within and on said pad, and means for mounting said plate to a support.

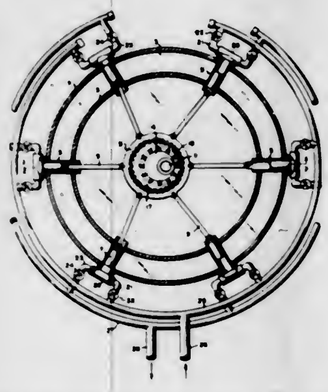
2,545,314
HYDROCHLORIC ACID RECOVERY
James Edward Seebold, Chicago, Ill., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 12, 1943, Serial No. 475,624
2 Claims. (Cl. 23—154)



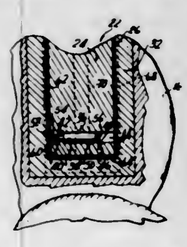
1. A process for the manufacture of hydrochloric acid which comprises supplying water at a temperature substantially below 100° C., to the upper portion of an uncooled absorption tower, supplying a gas rich in hydrogen chloride to the lower portion of the absorption tower at a temperature substantially below 90° C., passing the hydrogen chloride containing gas upwardly through the absorption tower countercurrent to the flow of water therethrough whereby the hydrogen chloride gas is absorbed by the water, controlling the rate of flow of the water, the rate of flow of said gas, and the temperatures thereof so as to maintain the temperature within the tower at the entrance point of the gas substantially below 90° C. and the strength of the acid obtained at least about 20° Bé. (about 32%) allowing the heat of absorption of the hydrogen chloride in the water to evaporate a portion of the water in the tower, applying partial vacuum to evaporate additional water and to withdraw an amount of water vapor from the upper portion of the tower which contains as latent heat of vaporization an amount of heat which is a substantial proportion of the heat of absorption evolved in the tower, and withdrawing from the bottom of the tower an acid with a concentration of at least about 32% by weight of hydrogen chloride.

2,545,315
PUMP
Charles W. Sproull, Houston, Tex.; Edith M. Sproull executrix of said Charles W. Sproull, deceased
Application February 23, 1946, Serial No. 649,461
6 Claims. (Cl. 103—174)

1. A pump of the character described comprising a gear case, a frame mounted thereon having upstanding outer and inner flanges, radial cylinders extended through, and secured to the flanges, pistons reciprocable in the cylinders, an oscillatable ring, connecting rods pivoted at their outer ends to the pistons and at their inner ends to the ring, an eccentric within the ring, a shaft splined to the eccentric, driving gearing in the gear case for driving the shaft and eccentric to oscillate the ring and reciprocate the pistons, intake and outlet pipes connected into the outer ends of the cylinders, inlet and outlet manifolds into which the respective intake and outlet pipes are connected, valves controlling the intake and outlet pipes, a suction line entering the inlet manifold and a discharge line leading from the outlet manifold.



2,545,316
DENTAL ATTACHMENT FOR USE IN CONNECTION WITH REMOVABLE BRIDGES
Frank Stark and Felix Spielman, New York, N. Y.
Application January 31, 1947, Serial No. 725,508
6 Claims. (Cl. 32—5)

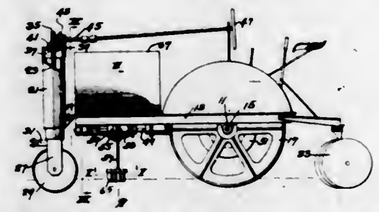


1. A dental attachment for use in connection with removable bridges, comprising: a male element, a female element shaped for slidably receiving said male element, said male element having a cut-out at one of its sides and having a bore extending from said cut-out through said male element to the opposite side thereof, one end of said bore communicating with said cut-out of the male element, the other end of said bore being open at said opposite side of the male element, a stop arranged on said male element, a locking pin, said locking pin being insertable at the cut-out portion of said male element through said first mentioned end of the bore towards said stop and being shiftable in said bore, said male element having a groove, said groove communicating with said cut-out and being arranged at an angle to the longitudinal axis of said bore, a flat spring, one end of said flat spring being anchored in said groove, the other end of said flat spring being in engagement with said locking pin for urging same against said stop into a normal position wherein a portion of said locking pin protrudes from said opposite side of the male element, and engaging means on said female element arranged for interlocking engagement with the protruding portion of said locking pin when the male and female elements are in proper engaging position.

2,545,317
SOLUTION OF A CONJOINT POLYMER OF VINYLIDENE CHLORIDE AND ETHYL ACRYLATE
René Emile Fernand Stuchlik, Villeurbanne, France, assignor to Societe Rhodiaceta, Paris, France, a French company
No Drawing. Application September 16, 1947, Serial No. 774,435. In France October 1, 1946
1 Claim. (Cl. 260—30.4)

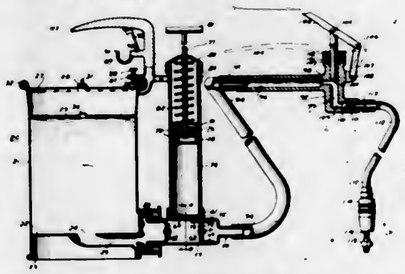
As a new composition of matter, a solution of a synthetic resin resulting from the conjoint polymerization of vinylidene chloride and ethyl acrylate, said resin containing 92.5% of vinylidene chloride in the polymer, in a solvent mixture consisting of equal parts by volume of carbon disulfide, tetrahydrofurane and acetone.

2,545,318
PLANT CHOPPER HEAD
Louis C. Stukenborg, Memphis, Tenn., assignor of one-half to Hobson Vandiver, Memphis, Tenn.
Application March 22, 1946, Serial No. 656,368
3 Claims. (Cl. 97—213)



3. In a chopper for a farm implement adapted for advancement along plant rows in cutting engagement therewith, and which includes a longitudinally disposed rotatable shaft having a pair of arms extending oppositely outward therefrom and chopper heads each respectively mounted on the outer ends of said arm; said chopper heads each comprising equally spaced, parallel, knife-like blades rigidly secured to the outer end of said arm extending radially outward therefrom, said blades being disposed at a minor angle to a plane of rotation of said arm and being spaced apart substantially in the amount of their angular leads with respect to said plane, whereby they are adapted to cut into and longitudinally displace surface portions of said rows.

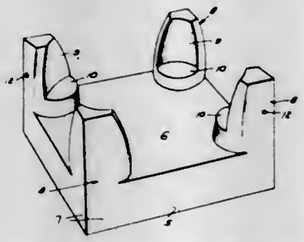
2,545,319
LUBRICANT DISPENSER
Edwin P. Sundholm, Albert City, Iowa
Application April 17, 1945, Serial No. 588,838
9 Claims. (Cl. 222—256)



1. For use with a standard, original, vendable, merchandising fluid container having a gen-

erally cylindrical upright body provided with a peripheral bead along its upper edge and provided with a discharge opening extending through its side wall adjacent the bottom thereof, said discharge opening including a screw-threaded suction-receiving socket and a revoluble frictionally-operated shut-off valve disposed within said socket; a fluid withdrawal and delivery unit comprising a generally tubular member, screw-threaded means for detachably connecting one end of said tubular member within said suction-receiving socket and for frictionally operating said shut-off valve to move it to open position, said tubular member having inlet and outlet check-valves therein, a low-pressure pump connected to said tubular member intermediate said check-valves and extending upward therefrom generally alongside said container, said pump including a cylinder, a piston slidably mounted within said cylinder and manually operable therewithin, and a helical spring normally urging said piston downward within said cylinder, means for detachably connecting the upper end of said cylinder to said container, said connecting means including a strap axially adjustable along said cylinder and a clamp adapted releasably to grip the bead of said container, an elongated flexible hose leading from the other end of said tubular member, and a booster pump connected to the other end of said hose, said first-mentioned pump being adapted to withdraw a relatively large amount of grease from said container when said piston is manually raised and being adapted to urge the so-withdrawn grease through said hose under pressure of said spring, said booster pump being adapted to receive grease from said hose and being manually operable to deliver relatively small charges of grease under high pressure to a grease-receiving nipple or the like.

2,545,320
SANITARY BASE FOR REFUSE CANS
Richard A. Tilson and Hobson M. Garner, Miami, Fla.
Application November 15, 1948, Serial No. 60,084
1 Claim. (Cl. 248—346)



A cast concrete base for the support of refuse cans having handles, a lid and a bail, said base formed square in top plan, vertically arranged integral corner posts formed on the base with their outer sides flush with the sides of the base, said posts rounded from one outer side to the other, can supporting ledges formed in the rounded sides of the posts and elevated above the base, the said rounded sides of the posts being concave and tapering outwardly from the ledges, the said tapering concave at its point of meeting with the ledges being formed on an arc corresponding to the arc of the can bottom, said tapering concaves serving to guide the can to a seat upon the ledges, two diametrically opposite posts being provided with preformed holes passing from one outer face to the other, rings positioned in the holes, a chain connected to one of the rings and adapted to be extended through the handles and bail of the can, said chain adapted to be passed through the other ring and a hook carried by the free end of the chain for securing the chain through the second named ring for retaining the can upon the base against displacement.

2,545,321
PLUMB POINT LOCATOR
Sam Tumminello, St. Louis, Mo.
Application September 4, 1947, Serial No. 772,037
6 Claims. (Cl. 33—75)



2. In a plumb line locator, a body in the form of a block of substantial thickness, adapted to be placed against and slidably movable over a ceiling or like surface, the body having a central, depthwise vertical channel through which a plumb line is extended, the body being formed to provide at least a pair of facets formed as outside faces of the body block along angularly related normally vertical planes intersecting the axis of the line channel.

2,545,322
FOUR-IN-HAND TIE HOLDER
Stephen P. Tupy, Bridgeport, Conn.
Application May 12, 1948, Serial No. 26,704
6 Claims. (Cl. 2—157)

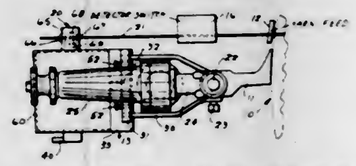


1. A holder for a knotted four-in-hand tie comprising an upright body portion including a substantially flat upper end portion adapted to be inserted in the knotted portion of the tie from its lower end, laterally extending stop lugs on the opposite side edges of said body to engage the lower edge of the fold of the knot to limit the insertion of said upper end portion into the knot, and an open loop at the lower end of the body portion to receive the rear run of the tie and provided with pointed lugs to grip and hold the rear side of the front portion of the tie and another pointed lug to grip and hold the rear run of the tie extending through said loop.

2,545,323
METHOD OF CASTING OBJECTS FROM MAGNESIA CEMENTS
Jean Francois Marie Verdier Dufour, Paris, France
No Drawing. Application August 31, 1949, Serial No. 113,489. In France May 19, 1948
3 Claims. (Cl. 25—155)

1. The method of casting in moulds, articles of magnesia cement from calcined magnesia and a solution of a salt of magnesium, comprising mixing the components of said cement, placing said mixture into the mould, subjecting said mixture in its mould to a temporary pressure, discharging the casting from the mould as soon as said casting is sufficiently hard superficially to be manipulated and allowing the final hardening of said casting to occur after said discharge.

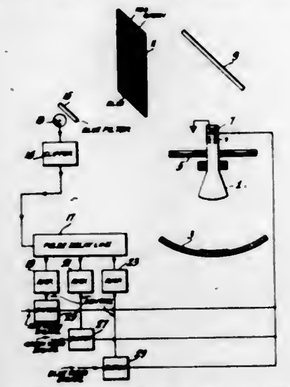
2,545,324
STOP MOTION FOR SPRING NEEDLE KNITTING MACHINES
Edward Vossen, Lynbrook, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application August 16, 1949, Serial No. 110,598
7 Claims. (Cl. 66—159)



1. A stop motion for a spring needle knitting machine having a retractable presser foot for each yarn feed, comprising an electric controlled means for retracting each of said presser feet, an electric controller for stopping said knitting machine, a detector switch for each of said electric controlled means for protecting its yarn feed and operated by the yarn of said feed, an electric circuit connecting said electric controller, said electric controlled means, and said detector switches for operating one of said electric controlled means and said controller whenever the detector switch of said one electric controlled means operates, and thread cutting means for each of said yarn feeds for cutting the yarn to the particular feed protected by the detector switch which operated, each of said electric controlled means including a yoke connected with its said presser foot, means urging said yoke to retract said presser foot, and electro-magnetic means for normally holding said yoke forwards.

2,545,325
COLOR TELEVISION RECEIVER
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1948, Serial No. 5,431
11 Claims. (Cl. 178—5.4)

1. A color television image reproducing system comprising in combination an image screen having a plurality of repeating, adjacently positioned and similar groups of vertical strip-like sections, each strip-like section of a group limited in its light representation to one different selected component color, an electron scanning beam for developing an image on said screen by a scanning operation, said electron scanning beam having an intensity control electrode, means for developing a keying pulse upon the scanning of the same relative horizontal position in each of said groups of strip-like sections, a pulse delay arrangement electrically connected to said means for developing a keying pulse, an electrical switch for each of said different selected component colors, each of said electrical switches having an input and output circuit, said output circuits controllably connected to said scanning beam intensity con-



trol electrode, a source of color television image signals representative of each different component color of an image, said input circuits connected to said source, and a control connection between said electrical switches and said pulse delay arrangement to control said switches to pass signals representative of one component color at a time, sequentially and in synchronism with the scanning of the appropriately color designated strip-like elements.

2,545,326
TROLLING EXTENSION FOR FISHING LINES
Anthony Westfall and Norman Westfall, Detroit, Mich.
Application October 7, 1947, Serial No. 778,322
2 Claims. (Cl. 43—44.85)

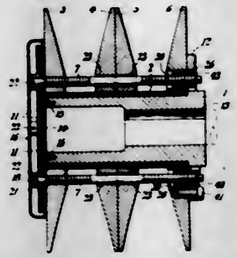


1. A trolling extension for fishing lines comprising a flexible, wire member, a plurality of short blocks axially bored and strung thereupon in a spaced relation to each other, each block having a cylindrical tube at each end, each tube being flanged outwardly, a wire suspension member forming a loop below the block, the ends of the loop being wound loosely over the respective tubes, and a screw threaded laterally into the block for adjustable frictional contact with said wire member.

2,545,327
ADJUSTABLE DIAMETER PULLEY
William A. Williams, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 9, 1947, Serial No. 747,056
11 Claims. (Cl. 74—230.17)

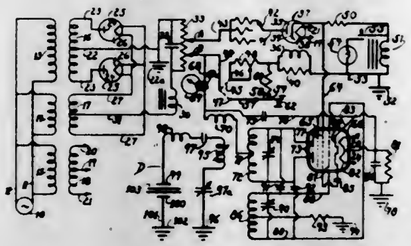
1. An adjustable diameter pulley comprising a hub, a resilient non-metallic sleeve mounted on

said hub, a pair of outer oppositely inclined flanges slidably mounted on said sleeve, a pair of oppositely inclined inner flanges slidably mounted on said sleeve between said outer flanges, a plurality of operating rods in oppositely threaded engagement with said outer flanges, a plurality of connecting rods integrally connecting each of said outer flanges to the non-adjacent one of



said inner flanges, holes being formed in the adjacent inner flange for the passage of said connecting rods therethrough, a locking element in threaded engagement with one of said operating rods, a pressure element for urging said locking element into locking frictional engagement with said operating rod, and a gear means inter-connecting said operating rods for simultaneous rotation.

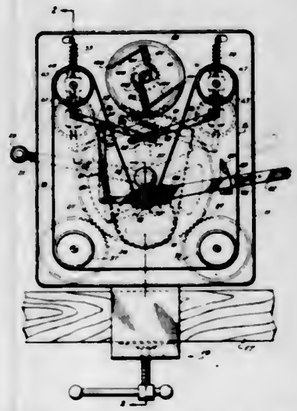
2,545,328
CONTROLLED HIGH-FREQUENCY SYSTEM
Paul B. Wilson, Jr., White Plains, and Samuel P. Oppenheimer, New York, N. Y.; said Wilson assignor to said Oppenheimer
Application November 15, 1946, Serial No. 709,986
8 Claims. (Cl. 219—47)



1. In combination, a rectifier circuit, including a bleeder resistance, a control circuit tapped from said bleeder resistance, said control circuit including a diode tube provided with a cathode and a magnetic coil, an oscillating circuit tapped from said bleeder resistance and including a vacuum power tube provided with a screen element, and conductor means connecting said cathode with said screen element, and an output circuit including a pair of electrodes coupled to said oscillating circuit, a relay in series with said magnetic coil and said cathode, an electric signal, means to connect said signal in parallel across said relay, including a contact controlled by said relay.

4. In combination, a high frequency oscillator circuit including a vacuum power tube having a screen element, means for automatically controlling the voltage potential of the screen element of said tube for varying the power output of said circuit, a power circuit coupled with said oscillator circuit and including a pair of electrodes, means to feed dielectric material between said electrodes and means controlled by said feeding means to regulate the operation of said control means, said control means including a control circuit, a diode tube in said circuit having a cathode connected to the screen element of the power tube, said regulating means including a switch interposed in said control circuit and means for alternately opening and closing said switch.

2,545,329
TOOL FOR CLEANING AND POLISHING TUBING ENDS AND FITTINGS
Leonard Witham, Oceanside, N. Y.
Application December 6, 1948, Serial No. 63,723
4 Claims. (Cl. 51—148)



1. A tool for rotary cleaning and polishing the exterior surfaces of tubing ends in preparation for a solder seal junction, comprising a base or housing, a shaft journaled therein, a master gear on said shaft, means for imparting rotation to said shaft and gear, a pair of pinions in mesh with said master gear to be driven thereby, a traction pulley on each of said pinions, a pair of idler pulleys, said traction pulleys and said idler pulleys being situated substantially according to a rectangular pattern encompassing said master gear with their axes parallel to said shaft, an abrasive belt passing around the traction pulleys and the idler pulleys and extending inward between said idler pulleys in a U passing around said shaft, and a pin supported between said shaft and the bottom of the U of said belt for receiving the end of a length of tubing and constraining it to be retained between the abrasive surface of the belt and the surface of said shaft, said shaft surface being a frictional surface, and said idler pulleys being movable toward said traction pulleys for accommodating various tubing diameters and being elastically urged away from said traction pulleys to provide pressure against the tubing, whereby rotation of said shaft provides dual friction action of said abrasive belt and said shaft on the tubing.

2,545,330
RAILWAY DRAFT APPLIANCE
Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application November 2, 1944, Serial No. 561,579
14 Claims. (Cl. 213—71)

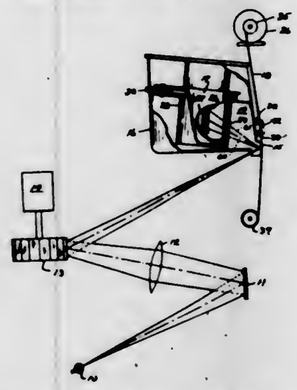
7. In a railway draft appliance, a coupler shank having an elongated horizontally disposed key slot transversely therethrough with substantially

parallel upper and lower edges, a yoke head having slots therein in substantially horizontal alignment with said key slot, a draft key extending through the key slot and the slots in the yoke head, said draft key having a flat upper surface and an under surface substantially parallel to the upper surface, the vertical height of said draft key being less than the vertical space between the upper and lower edges of the key slot, a rounded rear edge on said draft key, a swivel block within the key slot having a length as great as the transverse width of the coupler shank, an extension at each end of the swivel block projecting into the slots in the yoke head supporting the swivel block in horizontal alignment with the draft key, shoulders at the ends of the



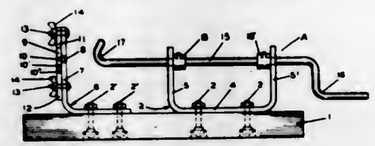
swivel block, a concave surface on the forward portion of the swivel block and the extensions engaging the rounded rear edge on the draft key, a forward facing surface convex in horizontal section forming the rear end of the key slot and extending throughout the transverse width of the coupler shank, a rear facing surface on the swivel block concave in horizontal section throughout the length of the swivel block engaging said convex surface, wall portions on the yoke head adjacent the slots therein for engagement by said shoulder maintaining the swivel block within the key slot, and means on the yoke head limiting drooping of the coupler shank.

2,545,331
DATA TRANSCRIBING APPARATUS
Herbert F. Works, Millis, Mass., assignor to Transducer Corporation, Boston, Mass.
Application November 30, 1949, Serial No. 130,199
11 Claims. (Cl. 250—219)



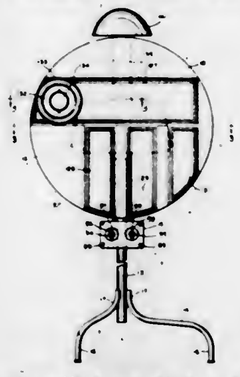
1. In combination with a sheet having data recorded thereon, means for moving said sheet, means for scanning said sheet during its movement, in successive sweeps with a spot of light, a hood having a slot extending in the path of the light from said spot reflected from said sheet, a photo-electric cell in said hood having a light sensitive electrode in the path of the reflected light entering said slot, said cell generating a first voltage when the reflected light at the start of each sweep strikes said electrode, and generating a second voltage when the reflected light during each sweep, varied by the light spot contacting said data, strikes said electrode, and means connected to said cell for providing a direct current voltage which is proportional to the time interval between the generation of said first and second voltages.

2,545,332
BALE TIE FORMING MACHINE
Jacob H. Young, Webster Groves, Mo.
Application March 17, 1947, Serial No. 735,154
6 Claims. (Cl. 140—73)



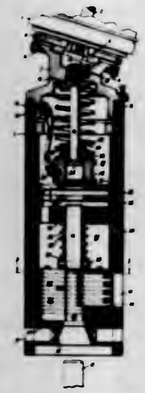
1. A bale tie-forming machine comprising a base member, a U-shaped bracket secured upon the upper face of the base member and having a pair of upwardly extending spaced parallel arms, a rod rotatably mounted in and extending horizontally between said arms, being provided on one end with a handle and on the other end with a hook, and an auxiliary bracket also mounted upon the upper face of the base member having an upwardly extending leg disposed in spaced parallel relation to the arms of the bracket and spaced outwardly from the hook, said leg being provided with a jaw-forming slot for receiving the end portions of a piece of baling wire bent around the hook and backwardly upon itself whereby said end is held against rotation as the handle is turned and is thereby caused to twist in the formation of a twisted shank and closed eye.

2,545,333
ORTHOPTIC APPARATUS
Theodore J. Arneson, Jr., Minneapolis, Minn.
Application April 22, 1946, Serial No. 663,768
17 Claims. (Cl. 128—76.5)



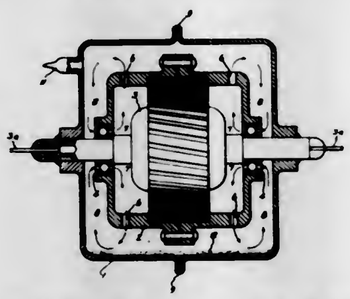
1. In an orthoptic apparatus, a plate having a chart thereon, pivot means for supporting said plate for rotation, a flange issuing outwardly from said plate and concentric with the axis of said pivot means, a swinging support, spaced rollers rotatably mounted on said support and straddling said flange, means for driving said rollers in the same direction of rotation and means for selectively bringing either of said rollers in engagement with said flange.

2,545,334
ELECTRIC CIRCUIT INTERRUPTER
Conrad J. Balentine, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application June 23, 1950, Serial No. 169,981
2 Claims. (Cl. 200—150)



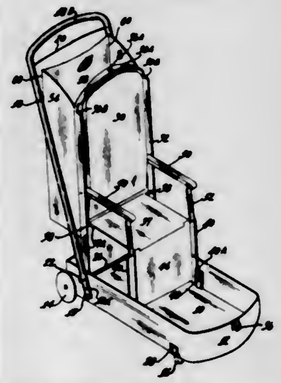
1. An interrupting unit for an electric circuit breaker of the fluid blast type comprising baffle structure including a plurality of stacked plates of insulating material provided with a substantially centrally disposed opening therein, the central openings in said plates defining a main arcing passage, the openings in some of said plates being elongated to one side to form a fluid channel in communication with said main arcing passage and being slotted in two divergent directions on the other side to form a pair of supplementary arcing passages, one slot in each slotted plate extending to the outer edge of the plate and one slot in each plate being closed at its outer end, said slotted plates being stacked so that the slots in alternate plates are coincidental, and means for establishing pressure within said unit.

2,545,335
BEARING LUBRICATION
Howard I. Becker, Vischers Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application March 23, 1950, Serial No. 151,339
1 Claim. (Cl. 171—252)



In combination, a motor having a stationary member and a rotating member substantially totally enclosing said stationary member, a pair of bearings mounted on said stationary member and supporting said rotating member for rotation, a hermetically sealed housing enclosing said motor and containing a cooling gas, passageways providing communication from the enclosed space within said rotating member to the space within said housing surrounding said rotating member to provide for circulation of said cooling gas from said space surrounding said rotating member through said bearings to said space within said rotating member and through said passageways to said space surrounding said rotating member in response to rotation of said rotating member, and a quantity of powdered graphite positioned within said housing in the path of circulation of said cooling gas to provide for convection of said graphite to the surfaces of said bearings to provide lubrication therefor during rotation of said rotating member.

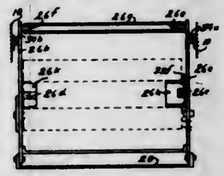
2,545,336
COMBINATION STROLLER AND SHOPPING CARRIER
Robert S. Binder, Philadelphia, Pa.
Application December 28, 1946, Serial No. 718,933
2 Claims. (Cl. 280—36)



1. A combination child's stroller and shopping carrier comprising an open carriage having ground wheels thereon, a collapsible seat structure having a back, and being supported upon and foldable within said carriage, means for automatically extending said seat structure upright from the folded position, means for locking said seat structure in the folded position, means for absorbing the shocks transmitted to said seat structure, and slidable means for varying the angle of the back of said seat structure, a collapsible shopping carrier supported upon the back of said seat structure, means for locking said shopping carrier when collapsed within the back of said seat structure, automatic means for extending said shopping carrier when unlocked, a collapsible pushing rail attached to said carriage, and means for fastening said pushing rail to said carriage when collapsed.

2,545,337
PAPER ROLL SUPPORT
Charles B. Blessing, Oakland, Calif., assignor to Blessing Packaging Company, a corporation of California
Application March 19, 1948, Serial No. 15,869
7 Claims. (Cl. 242—58)

1. In a machine for feeding a length of a sheet from a roll thereof, a first frame having opposite side members, a roll support frame comprising a pair of opposite side members hingedly mounted at one end on said opposite side members for movement on said first frame, a transverse member slidably engaged with the other end of each side member, each side member being flexible



to enable such member to be moved away from the other side member, and roll support means carried on each side member to support a roll of sheet material for rotation between said side members.

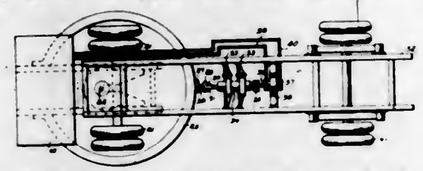
2,545,338
ATTACHMENT FOR TOILET TANKS
Elliott R. Bowden, Jacksonville, Fla.
Application January 18, 1946, Serial No. 642,002
1 Claim. (Cl. 4—68)



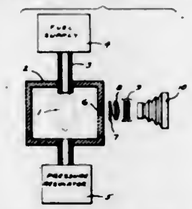
In an auxiliary water a[illegible]hment for a toilet tank having flat outside [illegible]s the improvement comprising an op[illegible] liquid container having a flat side, a hollow [illegible]olt carried by the container and extending outwardly of the flat side of the container adjacent the bottom thereof, one of the flat outside surfaces of the tank having an opening therein below the normal water level of the tank and adjacent the bottom of the tank to receive the hollow bolt, a water tight connection on said bolt whereby the flat side of the container is drawn into face to face engagement with the flat surface of the tank and the container is supported on the tank, the container being disposed in relation to the tank so that the water level in the container will be the same as the water level in the tank so that the flushing of the tank will simultaneously effect the flushing of the container.

2,545,339
STABILIZER FOR SEMITRACTORS AND TRAILERS
John K. Brewster, Detroit, Mich., assignor of one-half to Clara J. Brewster, Detroit, Mich.
Application January 14, 1947, Serial No. 721,940
2 Claims. (Cl. 280—33.05)

1. A device of the character described, to prevent side draft between a trailer and tractor comprising a stationary ring mounted on the tractor, a bar mounted on the trailer having a head thereon engageable with the ring, pressure applied means carried by said bar and urging said head into engagement with said ring, whereby pressure is maintained between the head of the bar on the trailer and the ring on the tractor at all positions of misalignment of said trailer and tractor.



2,545,340
METHOD OF MEASURING GAS PRESSURE IN FLAMES
Francis P. Bundy, Alplaus, and Herbert M. Strong and Arthur B. Gregg, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 15, 1950, Serial No. 144,316
1 Claim. (Cl. 88—14)



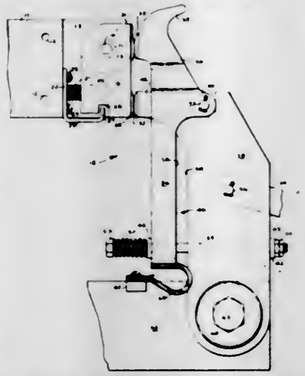
The method of measuring gas pressure within flames, which comprises providing a calibration flame within a pressure chamber, said calibration flame having substantially the same constituents as the flame within which pressure is to be measured, passing light emitted by the calibration flame through a filter which transmits in substantial amounts only that light which is near in wavelength to a resonance spectral line of an element present in the flame, passing the filtered light through an interferometer to form an interference pattern comprising a plurality of interference fringes, varying the pressure within said pressure chamber, photographing said interference pattern at a plurality of pressure values within the chamber, measuring the relative positions of interference fringes in the photographs so made to obtain calibration data relating pressure values within said chamber to wavelength values of said spectral line, passing light emitted by the flame within which pressure is to be measured through a filter and an interferometer to form an interference pattern comprising a plurality of interference fringes of light having the same spectral line wavelength, photographing the last-mentioned interference pattern, passing light of the same spectral line wavelength emitted by a source of light of known wavelength through the same interferometer to form another interference pattern comprising a plurality of interference fringes, photographing the last-mentioned interference pattern, measuring the relative positions of interference fringes in the photograph of light from the flame within which pressure is to be measured with respect to the position of corresponding interference fringes in the photograph of light from the source of light of known wavelength to determine the wavelength difference between the corresponding spectral lines, such wavelength differences in combination with the calibration data being a measure of the pressure within the flame.

2,545,341

BLOW ON ARC TIP

Arthur S. Caswell, Philadelphia, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 22, 1944, Serial No. 532,269
3 Claims. (Cl. 200—87)



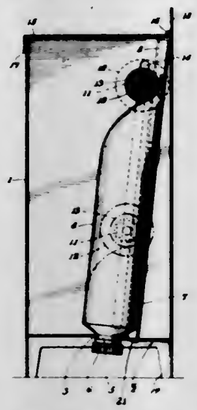
1. In a circuit breaker having a first movable arm, a main contact mounted on said movable arm, a second movable arm pivotally mounted on said first movable arm, an arcing contact on said second movable arm, cooperating contact means for said main and movable contacts, studs connected to said cooperating contact means and arms, said studs, contacts and first movable arm forming a U-shaped loop, said second movable arm having an elongated portion extending within said U-shaped loop generally parallel with said first movable arm and forming a parallel, electrical path therewith whereby a mutual magnetic attraction urges said first and second arms toward each other and in the same direction as the magnetic forces tending to extend the loop.

2,545,342

TOILET ARTICLE

Henry Arthur Romeo Choquette, Brooklyn, N. Y.

Application June 18, 1948, Serial No. 33,881
1 Claim. (Cl. 222—101)



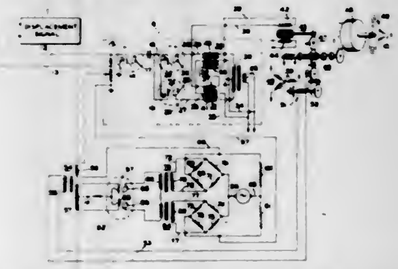
A holder for toilet articles comprising a casing closed at its sides and having a bottom with an opening therein adjacent the middle, the upper end of the casing having a cap hinged thereto adjacent the back along one edge, a wide member constituting a channel shaped seat having one end behind said opening in the bottom and the other end adjacent the hinged edge of the cap, said member extending at an incline longitudinally of the casing adjacent the back thereof, the edges of said member having flanges extending outward into contact with the sides of the casing and each having a row of apertures therein, a shaft having a pressing roller extending across said seat, toothed wheels on the shaft at the ends of said roller to engage said apertures, the adjacent sides of the casing having guide slots through which the ends of the shaft project, and knobs on the outer ends of said shaft, said flanges having lugs penetrating the casing at the bottom and sides to secure the member in position.

2,545,343

ELECTRIC MOTOR CONTROL SYSTEM

Harry Conviser, Ardsley, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original application February 18, 1946, Serial No. 648,490. Divided and this application April 20, 1949, Serial No. 88,657
5 Claims. (Cl. 318—489)



1. In combination with an automatic control device for a craft having a control surface movable with respect thereto for controlling said craft about an axis thereof, a servomotor for operating said surface, reference means on said craft for generating a signal in response to a departure of said craft from a predetermined position to energize said motor, means for producing a follow-up signal upon relative displacement of said surface with respect to said craft for modifying said first signal, time delay means comprising a main normally balanced circuit having connections to a source of current and to said servomotor, a normally balanced control circuit electrically connected to said main circuit which, when energized, undergoes a temperature change to unbalance, after a predetermined lapse of time following its energization, said main circuit to provide a signal for modifying operation of said motor, and means whereby said control circuit is energized by one of said first two named signals.

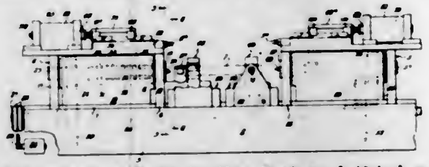
2,545,344

SHAFT CUTTING AND CENTERING MACHINE

Charles Frederick Crawford and Hallie Alton Potts, Muncie, and George V. Price, Parker, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application December 26, 1946, Serial No. 718,568
2 Claims. (Cl. 77—18)

1. In a machine for cutting the ends of shafts of different lengths to provide shafts of uniform length, means to support a shaft; a cutter at each end of said shaft; means mounting each cutter for rotation and for movement to and from the adjacent shaft end; means for locating one of said shaft ends a predetermined fixed distance from one of said cutters, said locating means being movable toward and away from said shaft for engaging said one end of said shaft; a source of pressure fluid; first and second pressure-fluid operated motors respectively connected to said cutter-mounting means for moving said cutter-mounting means toward and away from said shaft ends to advance and retract the cutters associated therewith relative to said shaft ends; a third pressure fluid-operated motor for moving said locating means toward and away from shaft-locating position: a single valve controlling pressure fluid from said source to both said third motor and said first motor, and operative in one position thereof to



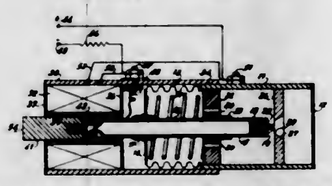
direct pressure fluid to the first and third motors to effect movement of said locating means toward shaft-locating position and the one of said cutters associated with said first motor away from the adjacent shaft end and operative in another position thereof to effect movement of said locating means away from shaft-locating position and said one cutter toward the adjacent end of said shaft; a second valve operative in one position thereof to control pressure fluid from said source to said second motor to move its associated cutter toward the adjacent shaft end, said second valve being operative in another position thereof for controlling pressure fluid to said second motor to move its associated cutter away from the adjacent shaft end; and electrical control means connected with said valves including elements for effecting movement of said valves from one position to another.

2,545,345

ENCLOSED ARC STARTING DEVICE

Hubert B. Deri, Rye, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York

Application May 24, 1950, Serial No. 163,891
11 Claims. (Cl. 313—152)



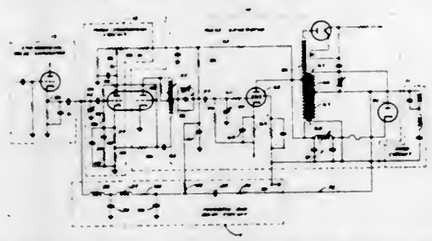
1. An enclosed arc lamp comprising, a gastight metallic tubular envelope enclosing an inert gas atmosphere and having a transparent window sealed in one end of said tubular envelope, a cathode assembly insulatingly sealed to the other end of said envelope and comprising a metallic tubular support member having a recess facing said window and having a light emissive material filling at least the outer end of said recess, said elongated support member being supported for longitudinal movement within said envelope, a disc shaped metallic anode positioned between said cathode and said window and having its periphery in intimate electrical engagement with the interior surface of said metallic envelope, said disc shaped anode having an aperture in the center thereof for transmission of light therethrough from said cathode, the size of said aperture being substantially the same as that of said recess in the elongated support member of said cathode assembly, and means for moving said cathode assembly toward said anode for momentary contact to strike an arc between said elongated support member and said anode.

2,545,346

AUTOMATIC FREQUENCY CONTROL FOR TELEVISION RECEIVERS

Charles R. Edelsohn, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application March 22, 1950, Serial No. 151,294
13 Claims. (Cl. 315—27)



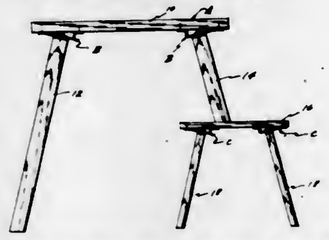
1. In an indirectly synchronized deflection system for television receivers, the combination comprising a pulse generator whose frequency is direct current signal controlled, a load circuit coupled to the output of said pulse generator, phase comparison means coupled to the input of said pulse generator having an input circuit adapted to receive synchronizing pulses for detecting phase relationship among a plurality of signals and producing the direct current control signal, a signal feedback circuit including delay means coupling the output of said generator and the input of said phase comparison means, said phase comparison means producing synchronism between the synchronizing pulses and the feedback signals comprising said plurality of signals, whereby the output pulses of said generator realized across said load are phase advanced relative to the synchronizing pulses in direct proportion to the delay time interval.

2,545,347

FURNITURE ASSEMBLY BRACKET

Craige L. Embree, Philadelphia, Pa., assignor to Max Bogaev, Philadelphia, Pa.

Application September 27, 1949, Serial No. 118,020
3 Claims. (Cl. 248—300)



1. A metal bracket having a flat, substantially rectangular middle portion, a first flange located

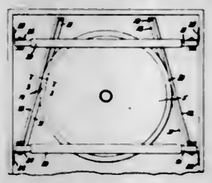
at one end of said middle portion, and disposed at an angle thereto and offset therefrom, a second flange, said second flange located at the other end of said middle portion and inclined thereto, each flange having means for attachment to a flat surface, and an internally threaded socket centrally located upon said middle portion and solidly attached thereto.

2,545,348

CATHODE-RAY TUBE SUPPORT

George W. Fabel, Fulton, N. Y., assignor to General Electric Company, a corporation of New York

Application January 13, 1950, Serial No. 138,487
6 Claims. (Cl. 177—316)



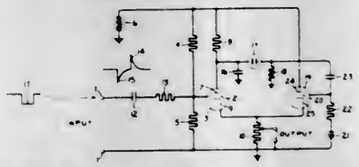
1. In a television receiver of the type employing a cathode ray tube adapted for viewing the screen thereof through an aperture in the front panel of the cabinet of the receiver, said cathode ray tube having a metal cone adapted to be energized to a high potential, means for mounting said cathode ray tube while substantially preventing corona discharge to said cabinet comprising, a first pair of support members engaging the rim of said cone at diametrically opposed points thereon, the ends of said support members being supported within said cabinet so as to permit viewing of the screen of the cathode ray tube through said aperture, and a pair of rod-like cross members positioned to engage the sloping surface of said metal cone at diametrically opposed points along a periphery of somewhat smaller diameter than the maximum diameter of said cone, and means for moving the ends of said cross members towards said support members thereby securely to clamp said cone between said support members and said cross members.

2,545,349

GENERATOR OF ACCURATELY TIMED PULSES

Raymond F. Foster, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application December 17, 1947, Serial No. 792,119
4 Claims. (Cl. 250—27)



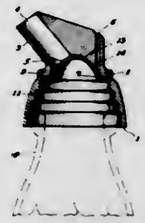
1. A signal generating system adapted to be actuated by a control signal, comprising, a normally conductive electron discharge device and a second electron discharge device normally biased to a non-conductive state, each of said devices having an anode, a cathode and a control electrode, means responsive to said control signal for rendering said first-mentioned electron discharge device non-conductive for a predetermined time interval, means for rendering said second discharge device conductive at a predetermined point of said time interval, said last-mentioned means including a gaseous discharge device and capacitance means connected between the anode of said first-mentioned electron discharge device and the control electrode of said second electron discharge device, and means for returning said electron discharge devices to their normal state after a further predetermined time interval.

2,545,350

VALVED POURING ATTACHMENT FOR MILK BOTTLES

Walter S. Fuld, New York, N. Y.

Application September 21, 1949, Serial No. 116,971
1 Claim. (Cl. 222—484)



A removable pouring attachment for a container having a neck with an outlet opening at the end thereof, said attachment comprising a hollow head having one end open, being dome-shaped at the opposite end, and having a relatively large outlet port and a separate air inlet opening at opposite sides of said dome-shaped end, and an external rotatable nozzle having an end abutting said dome-shaped end of the head, the nozzle having a continuous smooth projecting circular flange surrounding its said end on its outer face and the head having a continuous smooth undercut bead on its outer surface, surrounding the dome-shaped end, with a smooth continuous circular inner edge surrounding and overlapping said flange to hold the nozzle in place, said bead being flexible to permit the nozzle to be dismounted from the head and yielding to allow the nozzle to be attached to the head, the nozzle having an inclined top with relatively large discharge duct opening through one end of said top, and a separate air inlet duct at the other end of the top, said ducts being movable into and out of alinement with said outlet port and air inlet opening respectively as the nozzle is rotated, the dome-shaped end of the head being convex on the exterior and concave on the interior, the nozzle having its end recessed and fitting the convex surface of the dome-shaped end, the head having a flat seat for said end of the nozzle between the flange and the dome-shaped portion, the inlet opening being adjacent the inner edge of said seat.

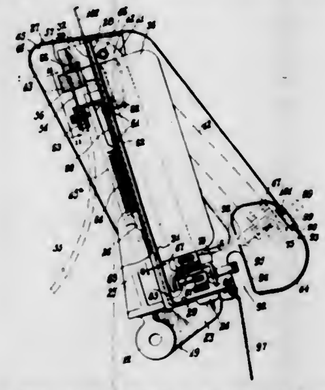
2,545,351

SHEET FEEDING MACHINE

Simon Gaynor, Philadelphia, Pa., assignor to American Business Systems, a copartnership consisting of Robert Weinstock and Simon Gaynor, Philadelphia, Pa.

Application May 20, 1948, Serial No. 28,160
18 Claims. (Cl. 271—8)

1. A sheet gripping device for use in a sheet feeding machine, a lever swingable toward and away from a stack of sheets in said machine, a channeled member on said lever, a slide in the channel, a pair of normally spaced apart spring fingers carried by said slide, and means on the channeled member cooperatively associated with the fingers to move the fingers toward each other when the slide is moved in one direction relative to said channeled member.



2,545,352

METHOD OF MAKING RAISED ELECTRICAL CONTACT POINTS

George S. Gibbs, Newton, Mass.

Application August 5, 1947, Serial No. 766,336
2 Claims. (Cl. 29—155.55)



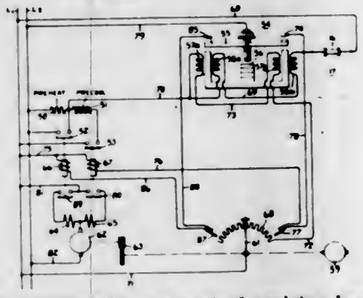
1. The method of forming a raised electrical metallic contact point with metallic backing material, which consists in indenting a metal base sheet, applying a coating of flux to the surface of the indentation, filling the indentation with metal powder, heating the metal powder and the base sheet to sinter the metal powders together and to bond the sintered metal powder to the base sheet, and then re-indenting the base sheet from the opposite surface to produce a raised electrical contacting point.

2,545,353

TEMPERATURE CONTROL SYSTEM

Russell A. Gund, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 23, 1945, Serial No. 595,350
2 Claims. (Cl. 236—78)



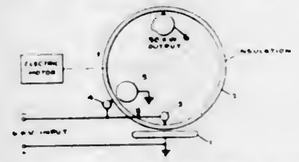
1. In combination, a control resistor having a negative temperature coefficient of resistance and responsive jointly to the self-heating effect of the current controlled thereby and to a variable temperature condition, a balanced electromagnetic control means energized under the control of said resistor for oppositely unbalancing said control means in response to opposite variations in the resistance of said resistor, means including a resistor variable under the control of said control means for rebalancing said control means and means including a resistor under the control of said electromagnetic control means for varying said self-heating effect upon a predetermined unbalancing of said control means to accelerate the rebalancing of said control means.

2,545,354

ELECTROSTATIC GENERATOR

Siegfried Hansen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York

Application March 16, 1950, Serial No. 150,083
3 Claims. (Cl. 171—329)



1. In an electrostatic generator, a cylindrically shaped drum being constructed of a dielectric material, a first corona brush being positioned within said drum in close proximity thereto, an electron conducting member being electrically grounded and being positioned outside of said drum in close proximity thereto and apposite said first brush, a second corona brush being positioned outside of said drum in close proximity thereto and being electrically connected to said first brush, an electron conducting cylinder being positioned within said drum in close proximity thereto and opposite said second brush, a third corona brush being positioned within said drum close to the inner side thereof, a direct voltage source being connected between said first and second corona brushes and ground, and an electric motor for rotating said drum about its longitudinal axis.

2,545,355

SLIDABLE JAW WRENCH PROVIDED WITH CAM ACTUATED LOCKING MEANS

Abraham Garfield Hanson, Pasadena, Calif.

Application April 29, 1947, Serial No. 744,742
5 Claims. (Cl. 81—87)

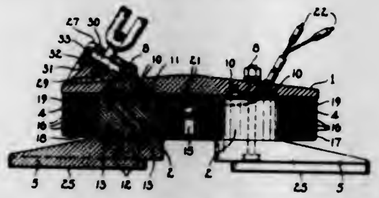
4. An adjustable self-locking wrench comprising a pair of relatively movable jaws, said jaws including means and mechanism whereby said jaws may be adjusted and locked in adjusted position relative to the work, one jaw comprising a shank, a rack, a pressure lock portion contiguous with said rack in substantial alignment therewith and a handle, constituting the means aforesaid, said other jaw comprising a combined sleeve and bifurcated portion including an adjusting screw, a pressure lock member, and camming means to actuate said member, constituting said mechanism aforesaid, said combined sleeve and bifurcated portion embracing said shank, said screw engaging said rack and said pressure lock member being movably guided

into locking engagement with said pressure lock portion by said camming means aforesaid, where-



by said screw and rack are relieved of undue strain when operating on the work.

2,545,356
LIFTING MAGNET
Howard E. Hodgson, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 8, 1948, Serial No. 1,254
5 Claims. (Cl. 175—367)

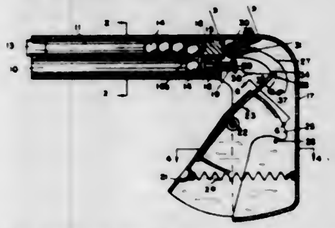


1. A coil handling magnet which comprises a circular magnet frame, a plurality of positive poles and a plurality of negative poles depending from the underside of said frame in alternate and spaced relation symmetrically about the central axis of said frame, said positive poles having energizing windings and said negative poles being unwound, and all of said poles having at their lower ends a pole shoe projecting radially of the central axis of said frame and extending a substantial distance beyond the periphery thereof, thereby affording clearance therebetween for visibility from above of substantial sectors of the top of the coil lying beyond the periphery of said frame when being handled by the magnet.

2,545,357
DETERGENT COMPOSITION AND METHOD OF PREPARING SAME
David W. Jayne, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 4, 1946, Serial No. 674,384
3 Claims. (Cl. 252—137)

1. A detergent composition comprising a member of the group consisting of the alkali metal and ammonium salts of an ester of phosphoric acid and an amide obtained by condensation of a fatty acid having from about 6 to about 18 carbon atoms with a member of the group consisting of primary- and secondary-amino alcohols in a 1:1 molar ratio, a member of the group consisting of di and tri valent alkali metal and ammonium phosphates, and a sufficient amount of a member of the group consisting of alkali metal carbonates, alkali metal sulphates, alkali metal nitrates and borax to produce a dry, free-flowing powder, the proportion by weight of said salt of said ester of phosphoric acid and amide to phosphate being from about 1:1 to 1:2.5.

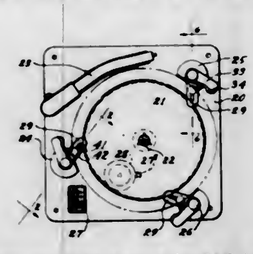
2,545,358
TOY SPRING PISTOL
Marion Jenkins, Denver, Colo.
Application July 1, 1946, Serial No. 680,550
2 Claims. (Cl. 124—27)



1. In a toy pistol or the like of the type having a barrel and a tubular magazine in axial parallel relation, a handle extending downwardly from the breech end of the barrel, the breech end of the magazine being closed to the rearward movement of projectiles, the wall separating the magazine and the barrel having an opening communicating the rear ends thereof and through which projectiles may pass from the former to the latter, means for releasably retaining a projectile in the rear end of the barrel, the improvement for use with the above recited elements of means for applying to a projectile a propelling force, comprising; a sear pivoted to the handle at a point above the upper limit of the barrel, the sear extending rearwardly, spring means urging the rear end of the sear downwardly, means limiting the downward movement of the sear, a trigger pivoted to the handle at a point below the barrel, a hammer spring having its lower end connected with the trigger and its upper end projecting above the trigger into the path of the sear, the latter having a stop surface for engaging the upper end of the hammer spring to limit its forward movement, spring means interposed between the trigger and the handle for urging the portion of the trigger below its pivot forwardly, whereby the upper end of the hammer spring will normally be positioned to the rear of the stop surface, whereby a rearward movement of the lower end of the trigger will bend the hammer spring, a plunger positioned in the path of the hammer spring, between said spring and the barrel, and means comprising a portion of the trigger for moving the sear to inoperative position to release the hammer spring, after the latter has been put under strain.

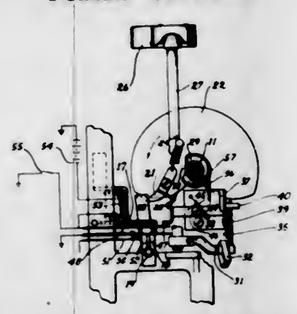
2,545,359
AUTOMATIC PHONOGRAPH
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 31, 1945, Serial No. 585,902
5 Claims. (Cl. 274—10)

1. An escapement for automatic phonographs comprising an arm normally supporting a stack of records, a blade above said arm adapted to enter said stack above the lowermost record of the stack, said escapement being arranged for bodily movement to bring said blade into the stack and thereafter to bring the arm clear of the stack to release said lowermost record, a record elevating member on said arm, guide means on said arm for preventing movement of said elevating member except in a direction normal to the planes of the records of said stack, an actuat-



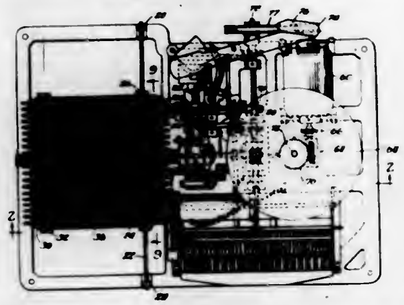
ing member on said arm adapted to engage and be displaced horizontally by a record of smaller size resting on said arm, and means operatively connecting said actuating member and said elevating member to effect projection of said elevating member, said elevating member being located clear of the lowermost record of smaller size and below a record of larger size in the next higher position, whereby said record of larger size is elevated clear of the record of smaller size before the blade moves into the stack.

2,545,360
TRIP FOR AUTOMATIC PHONOGRAPHS
Kurt T. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application May 19, 1944, Serial No. 536,283
4 Claims. (Cl. 274—1)



1. In an automatic phonograph comprising a record changing mechanism, a trip mechanism comprising a member movable with the player arm in its translational movement over the record, a latch adapted to be released by said member at the end of the playing of a record, a member normally latched by said latch, a switch adapted to be closed by last said member when unlatched, a second latch normally maintaining said record changing mechanism inoperative, electromagnetic means arranged to be energized by said switch when closed for releasing said second latch to render said record changing mechanism operative, means controlled by said second latch for opening said switch when said second latch is unlatched, and means actuated by said record changing mechanism for returning the first said normally latched member to latched condition and thereafter returning the switch to normal open condition.

2,545,361
AUTOMATIC PHONOGRAPH
Anthony M. Kasnowich, Grand Rapids, Mich., assignor to Automatic Instrument Company, Chicago, Ill., a corporation of Michigan
Application May 10, 1946, Serial No. 668,682
1 Claim. (Cl. 274—10)

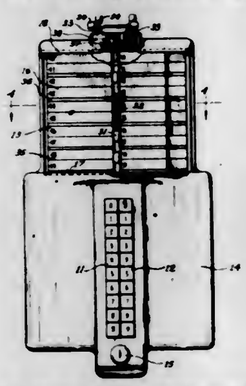


In an automatic phonograph, a magazine for storing a plurality of records, means for selecting a particular record to be played, a turntable, means for transferring said selected record from said magazine to said turntable and back again to said magazine from said turntable after the record has been played, means for moving said magazine for placing said record in position to be so transferred, a pick-up arm and stylus carried thereby adapted to be placed in position to play said selected record when placed upon the turntable, a source of power, a control shaft rotated in one direction only by said source of power, said control shaft comprising three sections, a clutch between the first and second sections of said shaft and a second clutch between the second and third sections of said shaft, a shaft for positioning the magazine to permit a selected record to be transferred to the turntable, driven from said third shaft section, a drive shaft driven from said second control shaft section, a third clutch in said drive shaft, a transfer shaft driven from said drive shaft for controlling the operations of transferring the selected record from the magazine to the turntable and back again to the magazine and for placing said pick-up arm in position to play said record, and for returning the pick-up arm and stylus to an inoperative position on completion of the playing of said record, and means under control of said pick-up arm for operating the clutch between said first and second control shaft sections.

2,545,362
INDEX FOR SELECTIVE AUTOMATIC PHONOGRAPHS
Mahlon W. Kenney, Oak Park, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application October 31, 1945, Serial No. 625,784
5 Claims. (Cl. 40—102)

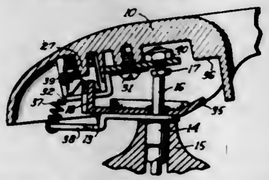
5. In a selector for automatic phonographs, an index comprising a housing having a substantially semi-cylindrical transparent wall, a pair of aligned stationary panels in substantially diametric relation to said wall, each panel being adapted to support indicia indicating recordings

which may be selected, a plurality of movable panels, each adapted to support on both sides indicia indicating recordings which may be selected, means pivotally supporting the movable panels adjacent the axis of revolution of said semi-cylindrical wall, manually actuable means carried by each movable panel and extending to the exterior of the housing whereby each movable



panel may be swung into superimposed relation to each stationary panel, and spring means biassing only the two central movable panels apart, thereby normally locating some of the movable panels in superimposed relation to each stationary panel and generally in diametric relation to the semi-cylindrical wall, whereby the adjacent faces of the two central panels are normally presented for inspection.

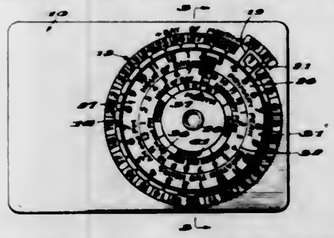
2,545,363
MOUNTING FOR PLAYER ARMS
Mahlon W. Kenney, Oak Park, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application April 21, 1947, Serial No. 742,924
4 Claims. (Cl. 274—23)



1. In a player arm assembly for phonographs comprising a player arm element and a supporting element carrying said player arm element, in combination, a knife edged member carried by one element, a pair of U-shaped members, and means securing said U-shaped members to the other element in nested relation, the adjacent legs of the U-shaped members having relatively oblique edges which intersect in said nested relation to provide V-shaped recesses for the reception of said knife edged member.

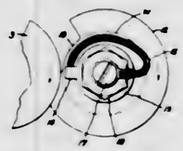
2,545,364
CALCULATOR FOR DETERMINING FISH ACTIVITY PEAKS
George B. Kimes, Tulsa, Okla.
Application October 28, 1949, Serial No. 124,207
6 Claims. (Cl. 235—88)

3. A device for determining a peak period of fish activity comprising, a relatively stationary member, a circular scale on said member having day of the month designations thereon circumferentially spaced from each other by 12.18 degrees, a disc mounted on the stationary member for rotation about the center of said scale, a circular scale having twenty-four numerals on said disc representing hours, the numerals forming a part of the second scale being circumferentially spaced in accordance with the average time that the moon souths throughout a year



period for each day of a synodical month, an index pointer carried by each designation of the first scale directed towards the second circular scale, letters providing month designations on the stationary member within the first circular scale with the letters arranged in radial positions relative to the center of the first scale, and said disc having a window therein of elongated shape radially of the disc through which the letters of the month designations may be selectively observed.

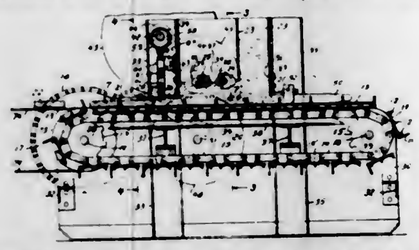
2,545,365
OPEN CIRCUITING ARRANGEMENT FOR COMMUTATOR BRUSHES
Henry T. Lang, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application April 27, 1950, Serial No. 158,526
5 Claims. (Cl. 171—323)



1. In a dynamoelectric machine, a commutator having a circular contact surface, a generally circular brush with a peripheral wearing surface mounted for rotational movement and wearing about a circle tangent to said circular surface of said commutator, said wearing surface having a recess therein at one end and a stop so limiting movement of said brush that said recess is moved and located opposite the commutator circle when the brush is worn to said end, whereby an open gap is provided between the commutator and brush when the brush becomes worn.

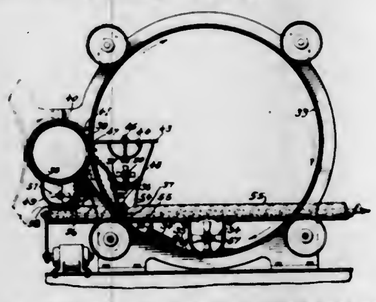
2,545,366
BRICKMAKING MACHINE
Joseph J. Mandryl, Brooklyn, N. Y., assignor to Brickmaster, Inc., New York, N. Y., a corporation of New York
Application December 13, 1947, Serial No. 791,543
8 Claims. (Cl. 25—99)

1. In a brick-making machine in which a conveyor of pallet-carriers continuously carries removable brick-supporting pallets through various brick-making operations and in which molds for the bricks are formed on each pallet by upstanding transverse backs secured to each pallet-carrier and a plurality of longitudinal and equally spaced stationary divider bars positioned intermediate and similarly spaced from two outer



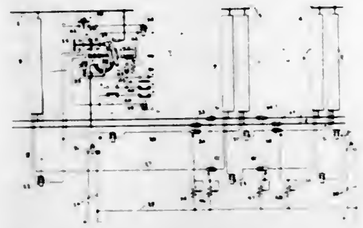
stationary side plates, the improvement which comprises divider bars having a vertical height substantially less than the contemplated thickness of the brick to be molded up to the stage of final brick formation and having a height higher than the contemplated thickness of the brick to be molded beyond said stage.

2,545,367
APPARATUS FOR DECORTICATING AND DECELLING BEET SEEDS WITH RECIRCULATION OF OVERSIZE SEEDS
Frank H. Mangelsdorf, Burlingame, Calif.
Application January 7, 1947, Serial No. 720,590
3 Claims. (Cl. 146—76)



1. A decelling machine for hulled beet seeds or the like comprising a rotatable cylinder open at its inlet and outlet ends, the length of the cylinder being divided into a plurality of perforated sections of gradually increasing size from the inlet to the outlet end, means for advancing seed along the bottom of the cylinder from the inlet to the outlet end, means for spreading the seed over the bottom of the rotating cylinder so the perforations will each receive a single seed, means for removing all seeds not received in a perforation, means for creating a suction on the outer surface of that portion of the cylinder receiving the seeds for holding the seeds in place, means for breaking the seeds along lines of cleavage as the cylinder moves the seeds past the seed breaking means, means for sorting and separating single celled seeds broken off on the inner surface of the cylinder and for returning multicelled seeds to the seed advancing means for again advancing them along the cylinder bottom, means for sucking the remaining seed portions in the openings, through the openings, and means for sorting and separating single multicelled seeds to the seed advancing means for moving them along the cylinder bottom for further treatment.

2,545,368
ELECTRICAL POWER CONTROL CIRCUIT
Gordon R. McDonald, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 21, 1949, Serial No. 94,620
1 Claim. (Cl. 175—294)

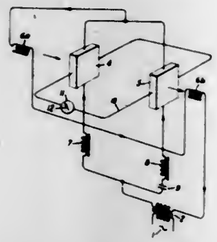


In an electrical power system having a plurality of power lines supplied with electrical power from common power sources remotely spaced one from the other along the power lines and each power source having a plurality of line circuit breakers connected one to each of the power lines, an arrangement comprising a tie line located at a point substantially equidistant from the power sources, a plurality of tie line circuit breakers each connecting one of said power lines to said tie line to provide maximum utilization of the conducting material of the power lines and a minimum use of tie line circuit breakers, a plurality of series electrical circuits one associated with each power line, contact means in each of said series circuit, said contact means being arranged to interrupt said series circuit when one of said circuit breakers associated with that series circuit is opened in response to an electrical fault on a power line supplied by that breaker, relay means associated with each series circuit, said relay means being cooperatively arranged to trip all of the remaining circuit breakers supplying electrical power to a particular power line when the one of said series circuits associated with the particular line is interrupted thereby to provide automatic isolation of each power line when an electrical fault occurs thereon, disconnecting means associated with each of said power lines and each of said series circuits and resistance means associated with said disconnecting means, said disconnecting means and said resistance means being cooperatively arranged to permit manual isolation of a portion of a power line having an electrical fault thereon to re-establish automatic control on the remainder of said line.

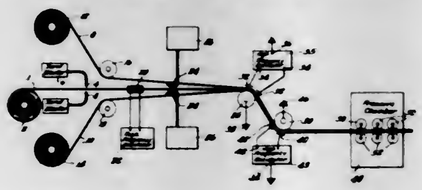
2,545,369
HALL EFFECT FREQUENCY METER
Norval P. Millar, Danvers, Mass., assignor to General Electric Company, a corporation of New York
Application March 9, 1949, Serial No. 80,532
6 Claims. (Cl. 175—368)

1. Frequency measuring apparatus comprising a Hall plate device, field producing means for said device, current input terminals for said device and circuits for energizing said field producing means and current input terminals from an alternating current source the frequency of which is to be measured such that a direct current output voltage is produced by said device, said energizing circuits having parallel branches having different frequency response characteristics, and

a direct current measuring instrument energized by the output voltage of said device and calibrated with such device in terms of input frequency.



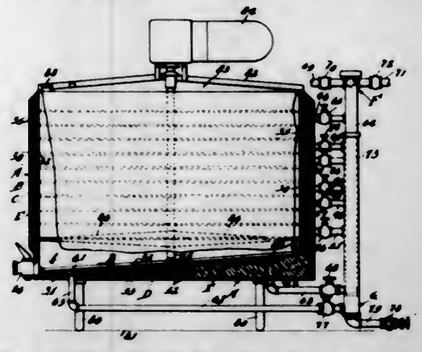
2,545,370
METHOD AND MACHINE FOR MAKING RUBBER COATED STEEL BELTS
Eugene Mittelmann, Chicago, Ill., assignor to Sandvik Steel, Inc., New York, N. Y., a corporation of New York
Application January 7, 1948, Serial No. 964
8 Claims. (Cl. 154—3)



2. A method of making rubber coated steel strip which comprises continuously conveying a flexible steel strip having a width considerably greater than its thickness and a rubber strip along converging paths, pre-heating the steel strip in advance of the point of convergence, applying a thermosetting cement to the inner surface of the rubber strip in advance of the point of convergence, simultaneously heating the rubber strip and the cement coating by a high frequency dielectric field to a rubber curing and cement setting temperature, and thereafter applying compressive pressure to the entire width of the converged strips, and concurrently supplying sufficient heat to prevent lowering of the temperature of the rubber strip and cement coating, for a predetermined length of time to cure the rubber and set the cement as the strips are moving continuously.

6. In a machine for making rubber coated steel strip, means for continuously conveying a steel strip and a rubber strip along converging paths, means for pre-heating the steel strip in advance of the point of convergence, means for applying a thermosetting cement to the inner surface of the rubber strip in advance of the point of convergence, means for simultaneously heating the rubber strip and the cement coating by a high frequency dielectric field to a rubber curing and cement setting temperature, means thereafter applying compressive pressure to the entire width of the converged strips, and means for supplying heat to prevent lowering of the temperature of the rubber strip and cement coating for a predetermined length of time to cure the rubber and set the cement as the strips are moving continuously.

2,545,371
HEAT EXCHANGE RECEPTACLE
Timothy Mojonnier, Oak Park, and Oliver W. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros. Co., a corporation of Illinois
Application October 19, 1946, Serial No. 704,402
5 Claims. (Cl. 257—212)



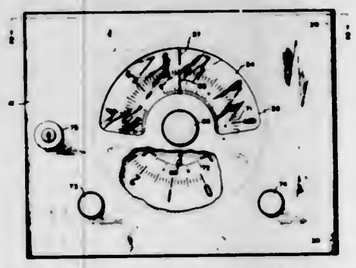
4. In a receptacle of the class described, the combination of a sheet metal shell, a corrugated metal wall secured to said shell along its valleys thus providing a series of generally independent parallel fluid ducts between the shell and the wall corrugations, an elongated metal strip at each end of said series secured and sealed along one longitudinal edge to said shell and at other points to the corrugation ends, said strips lying wholly on one side of said shell and having a depth substantially equal to that of said corrugations, the corrugated wall being apertured near each strip, each aperture being formed by parallel cuts extending lengthwise through the top portions of two corrugation ridges in said wall with the intervening valley portions of said corrugations between said parallel cuts being removed to expose the ends of the cut parallel ducts, and bridging members overlying said apertures and sealed in place with their outer surfaces substantially flush with the tops of the ridges of the corrugations, to complete end passages between said exposed duct ends and to cooperate with said elongated strips and said shell to confine the flow of fluid between and through said parallel ducts.

2,545,372
MAGAZINE CLOSURE FOR TACKING MACHINES
Kenneth F. Morberg, Chicago, Ill., assignor to Henry A. Torstenson, Chicago, Ill.
Application December 21, 1946, Serial No. 717,691
3 Claims. (Cl. 1—49)



1. In a device for driving U-shaped staples comprising a forward chamber having a generally vertical guideway therein, a generally horizontal staple supply chamber communicating with the lower portion of said vertical guideway, a reciprocal staple driving member operable in said guideway, staple feeding means to deliver successive staples from said staple supply chamber into said vertical guideway beneath said staple driving member, and means for actuating said staple driving member to drive said staples, said vertical guideway being formed at the lower end thereof by a forward wall member having an aperture therein, said aperture being located above the lower edge of the forward wall member with the top edge of the aperture above the forward path of the staple as it is fed forward from the horizontal supply chamber and with the side edges of the aperture inwardly of the path of the side edges of the staple whereby a jammed staple may be readily removed from said device without disassembly of any of the parts of said device.

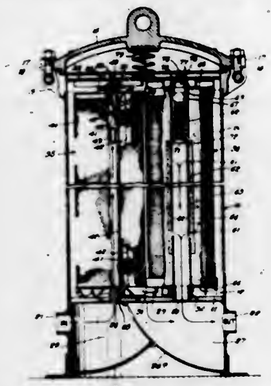
2,545,373
SELF-BALANCING POTENTIOMETER CIRCUIT HAVING ILLUMINATED INDICATING DIAL
Anthony A. Nina, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 2, 1945, Serial No. 591,490
22 Claims. (Cl. 236—69)



1. In a measuring and control instrument, a support having a bearing therein, a slidewire mounted on said support, control means mounted on said support, a hollow shaft journaled in said bearing and extending beyond both ends of the same, a contact engaging said slidewire carried by one end of said hollow shaft, drive means carried by the opposite end of said hollow shaft whereby said hollow shaft may be rotated to move said contact along said slidewire, a second shaft journaled for rotation in said hollow shaft, means to operate said control means mounted on said second shaft, mechanism operative to keep normally said shafts from rotating relative to each other, and means to relatively rotate said second shaft and said hollow shaft whereby said operating means may be adjusted relative to said contact.

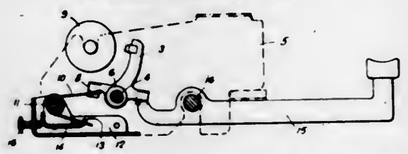
21. In a measuring and control instrument, a casing having a flat wall and sides projecting from said flat wall and encircling a front opening, a door mounted on said casing for relative movement therebetween and normally closing said front opening, a transparent window forming a portion of said door, a support mounted on the inner side of said door, potentiometer mechanism including a slide wire, a contact, a driving motor, and a scale plate mounted on said support, said scale plate being movable past said window under the drive of said potentiometer mechanism, a stationary index visible adjacent said window and cooperating with said scale to indicate the value of the variable measured at the moment, control mechanism mounted on said support and operated by said potentiometer mechanism, control point adjusting means for said control mechanism, and a manually operable handle attached to and extending through said door to adjust the control point of said mechanism from the outside of said door.

2,545,374
TWO-STAGE FILTER IN SINGLE HOUSING
Corliss D. Nugent, Winnetka, Ill., assignor to Wm. W. Nugent & Co., Inc., Chicago, Ill., a corporation of Illinois
Application August 11, 1949, Serial No. 109,745
4 Claims. (Cl. 210—184)



1. In a two-stage filter, a hollow casing having an inlet and an outlet, a plurality of filtering units adapted for detachable mounting therein, one of which said filtering units being for coarse filtering, and a plurality of other units being for fine filtering, the coarse filter unit having a centrally disposed tubular member opening at one end thereof directly connected in detachable relation to the inlet of said casing, and the fine filtering units each having a centrally disposed tubular member opening at one end thereof directly connected in detachable relation with the outlet of said casing, so that all the incoming liquid will normally pass through the coarse filter and then pass in divided paths through the fine filter units, each of said filter units being detachable and removable from said casing independently of the other units, and the tubular members of each of said fine filter units including self-contained bypass means for bypassing liquid under predetermined pressure from said coarse filter unit to the outlet.

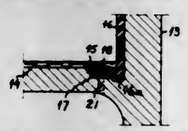
2,545,375
TYPE LEVER ARRANGEMENT FOR STENOGRAPHIC MACHINES
George William Nunn, Surrey, England
Application August 16, 1947, Serial No. 769,009
In Great Britain August 15, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 15, 1966
2 Claims. (Cl. 197—9)



1. In a stenographic machine, a machine frame, a cradle mounted in the machine frame,

a platen mounted in the cradle, a bar rigidly secured between the sides of the cradle, a series of type levers pivotally mounted on said bar and each having a heel and a toe, a series of key levers for operating the type levers pivotally mounted in the machine frame and adapted to engage the heels of the respective type levers directly, a subframe mounted on the cradle, a bar mounted in the subframe, a series of hair-pin springs one for each type lever mounted on the bar, and a comb adjustably mounted in the subframe below the platen, one end of each hair-pin spring engaging between the teeth of the comb and the other end of each spring engaging beneath the toe of the respective type lever.

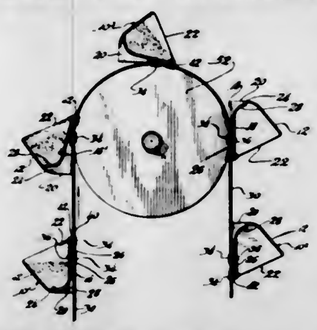
2,545,376
ELECTROLYTIC CELL WITH MERCURY CATHODE
Runar Mauritz Rafaelsson Örnhjelm, Kuusankoski, Finland, assignor to Kymin Osakeyhtiö-Kymmene Aktiebolag, Kuusankoski, Finland
Application October 6, 1947, Serial No. 778,136
In Finland October 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 22, 1965
3 Claims. (Cl. 204—250)



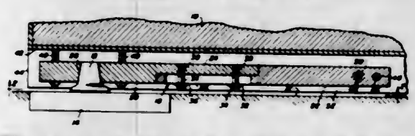
1. An electrolytic cell with a mercury cathode comprising an integral iron structure in the form of an I beam in cross-section with the center web of said beam extending horizontally, a trough formed by the said center web and the said side walls provided by the upwardly extending arms of said I, the bottom of said trough being accurately machined throughout to provide a smooth flat horizontal surface, said side walls extending at right angles with respect to said surface, the bottom of said trough being formed with a groove between said machined surface and each of said side walls, a protective lining for said side walls formed of material impervious to the decomposition products of electrolyte, said lining being secured to and covering said side walls and including a lower edge portion turned into and terminating within said edge groove, a securing strip overlying said turned portion of said lining, said securing strip being received within said edge groove and having its upper surface lying below said machined surface.

2,545,377
SELF-CLEANING CONVEYER BUCKET
Jules T. Parisi, Chicago, Ill.
Application November 1, 1947, Serial No. 783,583
14 Claims. (Cl. 198—144)

13. In combination with a conveyor belt passing over a head wheel, a self-cleaning bucket comprising a scoop shell anchored to said belt substantially along a line transverse of the belt so that the belt may bend relative to the shell ahead of and behind the line, a cleaning member having one end similarly anchored to the belt, albeit along a transverse line spaced from the first-mentioned line and having a scraping free end disposed within the shell and capable of rocking relative thereto to disengage material from the interior thereof, the cleaning member and the shell both having parts rigidly connected respectively therewith and extending through said belt at the respective transverse lines and presenting planar surfaces on the backside of the belt to the periphery of the wheel whereby the cleaning member and shell will be forced to assume positions tangential to the belt one after the other as the belt passes over the wheel, thereby rocking one relative to the other to dislodge material in the shell.

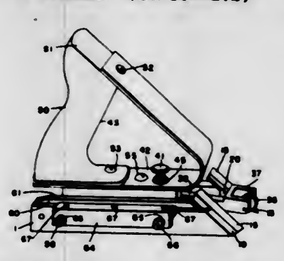


2,545,378
DOOR HINGE ARM
Henry P. Peck, Cromwell, Conn., assignor of fifty per cent to Sidney Max, West Hartford, Conn.
Application June 22, 1948, Serial No. 34,411
1 Claim. (Cl. 16—132)



The combination of an upright hinge pin, a horizontal hinge arm adapted to underlie the lower edge of a door and having an intermediate portion thereof mounted on said pin, said arm being provided at opposite sides of said pin with vertically extending screw-threaded bores, and a set of vertical adjusting screws provided in said bores and having their upper ends in supportable engagement with the lower edge of the stated door, whereby the latter may be vertically adjusted relative to said pin.

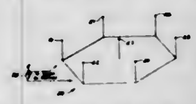
2,545,379
PUTTY REMOVER
Frank Pomichter, Cold Brook, N. Y.
Application July 16, 1947, Serial No. 761,183
5 Claims. (Cl. 30—172)



1. In a putty remover, runners held in spaced parallel relation to each other, whereby to span the bar of a window frame, knives detachably

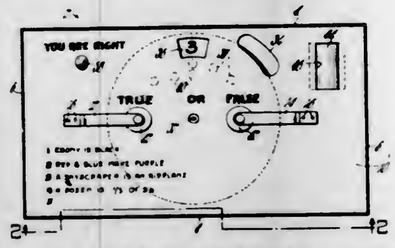
mounted to said runners for removing the putty from the sides of said bar, members attached to said runners for holding said knives thereto and one of said runners mounted to move relative to the other, whereby to allow for a given amount of yield.

2,545,380
SEISMIC EXPLORATION EMPLOYING ELEVATED CHARGES
Thomas C. Poulter, Palo Alto, Calif., assignor to Institute of Inventive Research, San Antonio, Tex., a trust estate
Application June 3, 1950, Serial No. 166,052
7 Claims. (Cl. 181—.5)



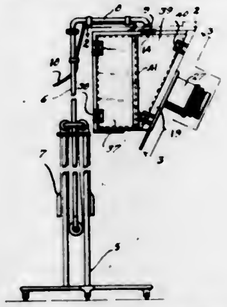
1. The method of seismic exploration which includes the steps of supporting a plurality of charges above the surface of the ground laterally spaced from one another to define an area and at substantially the same height, each of said charges being free of substantial obstruction to the passage of a supersonic wave downwardly therefrom, said charges being located at such height as to apply supersonic waves to the ground below the respective charges and said charges being laterally spaced from one another at such distance that the seismic waves resulting from the supersonic waves form a composite seismic wave front upon passage through the earth, exploding said charges simultaneously to project said composite wave toward a reflecting horizon, and detecting the seismic wave after reflection of the same from said horizon.

2,545,381
ELECTRIC QUESTIONNAIRE GAME
James M. Prentice, South Hadley, Mass.
Application January 24, 1949, Serial No. 72,330
2 Claims. (Cl. 35—9)



1. A game apparatus comprising in combination, a support, a circular member rotatable relative to and spaced below said support and having radially spaced rows of circumferentially spaced electrical contacts, separate circuit closing members secured to the upper side of said support having contacts, said support having an opening for each circuit closing member contact therethrough with which the contacts of said circular member are registrable, said circuit closing members being depressible to extend the contacts thereof through the openings of said support into contact with the contacts of said circular member, an electric light, a source of electrical energy, connections between said source of energy and the contacts of said circular member and said light, and connections between said contact members and source of energy whereby said light may be energized as one of said contacts engages a contact of the circular members having a contact in register with an opening of the support.

2,545,382
PORTABLE PHOTOGRAPHIC LIGHT HAVING AN ADJUSTABLE LIGHT CHAMBER
Francis Victor Rahner, St. Augustine, Fla.
Application October 23, 1946, Serial No. 705,067
3 Claims. (Cl. 240—1.3)



3. A photographic lamp comprising a stand, a lamp chamber mounted on said stand and having a rear bottom closure plate and a ventilating opening forwardly of said plate, front light emitting means, and translucent side walls, swingable closures for said side walls, and baffle means for said opening shielding the same against direct escape of light from said chamber comprising an upstanding front edge flange on said closure plate, and a baffle plate in the bottom of said chamber inclining upwardly and rearwardly over said flange and closure plate in spaced relation thereto.

2,545,383
STEM SUPPORT FOR ARTISTIC FLOWER ARRANGEMENTS
George P. Regan, San Francisco, Calif.
Application November 18, 1946, Serial No. 710,445
4 Claims. (Cl. 47—41)



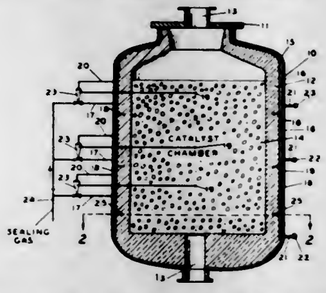
3. As an article of manufacture, a flower mounting device comprising a hollow spindle adapted to rotatably engage a frog and be supported thereby at one end, an elongated channeled stem holder pivotally connected at one end to the other end of said spindle on an axis perpendicular to the longitudinal axis of the spindle, said elongated stem holder being channeled in cross-section and being longitudinally twisted through an arc greater than ninety degrees, and clip means at opposite ends of the channeled holder to retain a stem in said channeled stem holder.

2,545,384

INSULATION OF CATALYST CHAMBERS

Alexander R. Rehrig, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 5, 1944, Serial No. 548,296
1 Claim. (Cl. 23—288)



Apparatus for treatment of fluid materials by contact with solid contact material comprising a chamber having an outer wall, a refractory heat insulating lining member concentric therewith and positioned interiorly thereof being spaced from said outer wall over a major portion of its surface, annular members forming partitions which define a plurality of spaces along the longitudinal axis of the chamber between the outer wall and said lining member, means for introducing fluid material for treatment in the presence of said contact material, means for removing treated fluid material, and differential pressure regulators responsive to fluctuating differences of pressure between catalyst chamber and said spaces and connected in a line communicating with the spaces adapted for supplying gas to maintain a gas in each of said spaces at a local pressure greater than that within the local portion of said bed defined by said partitions.

2,545,385

AUTOMATIC SELF-REELING FISHING FLOAT

Horace E. Reppert and Harry W. Rosenberg, Philadelphia, Pa.

Application September 27, 1949, Serial No. 118,012
2 Claims. (Cl. 43—15)



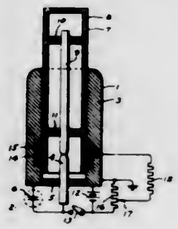
1. A fishing float, comprising a housing having a tailpiece at the bottom, a spring-wound reel supported within the housing, a bracket attached to the housing, an aperture in said bracket, a trigger having an arcuate sear at one end and an open ring at the other end, and a leader wound upon said reel and projecting through said tailpiece, an eyelet attached to said leader, said eyelet being held by said sear projecting through the bracket aperture, and a stop ring attached to the end of said leader, said stop ring being larger than the interior of the tailpiece, the leader end being passed through the open ring whereby tension on the leader end causes the sear to be withdrawn through the bracket aperture, releasing the eyelet.

2,545,386

COMPENSATION CIRCUIT FOR ELECTROSTATIC VOLTMETERS

Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 28, 1949, Serial No. 90,169
1 Claim. (Cl. 250—83.6)



In an electrical receptacle having a pair of main electrodes in spaced relation and electrically insulated from each other, said electrodes having capacitance, said receptacle being arranged to receive in mating engagement an electrical device having capacitance, said receptacle and said device in said engagement forming a combination having a combined capacitance, said combination being chargeable to an initial potential, said device being removable from said receptacle following said charging, said receptacle having a residual potential following removal of said device therefrom, an auxiliary electrode in spaced relation with said main electrodes and electrically insulated therefrom, said auxiliary electrode being provided with a potential with respect to said main electrodes, said potential of said auxiliary electrode being adjustable to cause said residual potential of said receptacle and said initial potential of said combination to be substantially equal.

2,545,387

PAPER FEEDING DEVICE

Fred Schwarzer, Pottstown, Pa., assignor to American Business Systems, Philadelphia, Pa.

Application September 19, 1946, Serial No. 698,001
23 Claims. (Cl. 271—18)

1. A sheet feeding device comprising an upright frame, sheet guiding means at the front of the frame, an upright follower plate within said frame and movable in the direction of said sheet guiding means, a lever swingably mounted on said frame, said lever having a sheet gripping and releasing means for discharge into said sheet guiding means, and means operatively associated with said follower plate and engageable by said swinging lever for advancing said follower plate forwardly in incremental stages when said lever



is swung forwardly to engage said follower plate advancing means.

2,545,388

PAPER FEEDING MACHINE

Fred Schwarzer, Pottstown, Pa., assignor to American Business Systems, Philadelphia, Pa.

Application March 4, 1947, Serial No. 732,212
9 Claims. (Cl. 271—18)



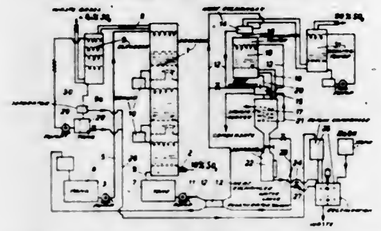
1. A paper feeding machine comprising a rack having a discharge end, means moving papers through the rack to the discharge end, means for picking the leading paper from the rack, said means including a rock shaft, a U-shaped member having the legs thereof pivoted on said shaft, a lever located within the U-shaped member and secured to the shaft, a slide mounted at the under face of the bridging portion of the U-shaped member and provided with an upstanding flange facing the discharge end of the rack, said flange having spaced openings, a V-shaped paper picking element having spring arms mounted on the bridging portion with jaws on the free ends and curved toward each other, said jaws projecting through the openings to grip the paper, means securing the opposite ends of the arms to the bridging portion, means adjustably positioning the slide on the bridging portion for varying the distance between the jaws on the spring arms and the flange, cooperating means causing rocking of the shaft and lever for projecting the jaws into gripping relation with leading paper and means for causing the moving means for the papers to shift said papers to the discharge end of the rack.

2,545,389

METHOD FOR INCREASING THE SULFUR DIOXIDE CONTENT OF THE COOKING ACID USED IN THE MANUFACTURE OF SULFITE PULP

Väinö Herman Somer, Lauritsala, and Tor Erik Brehmer, Jarvenpaa, Finland, assignors, by direct and mesne assignments, of one-half to said Somer and one-half to Aktiebolaget Kaukas Fabrik, Lauritsala, Finland

Application October 26, 1946, Serial No. 706,908
In Finland January 30, 1946
3 Claims. (Cl. 23—129)



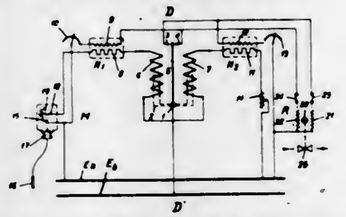
1. A method of increasing the sulfur dioxide content of the cooking acid in connection with the manufacture of sulfite pulp which comprises, diverting a portion of the gas supply, concentrating the sulfur dioxide in the said diverted portion of said gas supply by means of absorbing in a mixture of 2-aminocymene and water, boiling off the sulfur dioxide and retaining oxidation products of sulfur dioxide in the absorption liquid, and thereafter introducing said concentrated sulfur dioxide to supplement the sulfur dioxide content of the cooking acid.

2,545,390

ELECTRICAL CONTROL SYSTEM

Emil Spahn, Basel, Switzerland, assignor to Fr. Sauter A. G. Fabrik elektr. Apparate, Basel, Switzerland, a Swiss firm

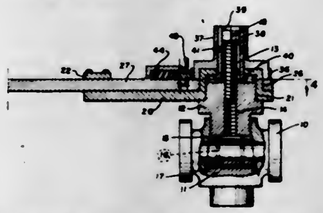
Application April 7, 1947, Serial No. 739,927
In Switzerland September 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 14, 1963
2 Claims. (Cl. 318—28)



1. In an electrical control system comprising a control member and a reversible motor operating such control member, the combination with said motor of a differential relay controlling said motor and its direction of rotation, said relay having two windings and being inoperative while the currents in the two windings are equal, a resistance unit variable with temperature connected

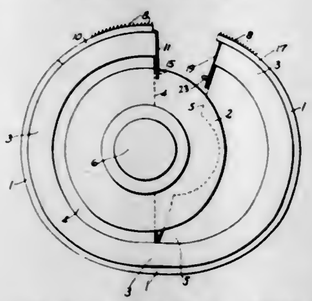
in series with each said winding, said unit comprising an evacuated glass tube, a heating element in said tube having circuit connecting ends fused in end portions of said glass tube and extending therefrom, a resistance element variable with temperature in said glass tube and having circuit connecting ends fused in said glass tube and extending therefrom, means for measuring the quantity to be regulated, a resistance controlled by said measuring means in series with one of the windings of said differential relay circuit connections to said heating elements in said units whereby said differential relay on switching on the motor also switches on the heater of the resistance variable with temperature in series with that one of said windings which carries the greater current and limit switches in the circuit of said motor for breaking the circuit thereof when said control member reaches the end of said member's operative range.

2,545,391
DUAL SOCKET WRENCH WITH SEPARATE ACTUATORS
Robert E. Stanton, Denver, Colo.
Application January 24, 1949, Serial No. 72,333
6 Claims. (Cl. 81—53)



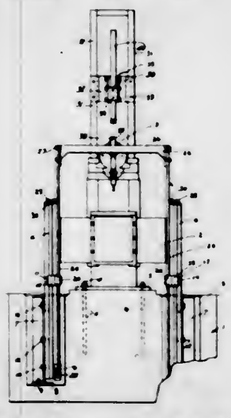
1. A wrench for turning the operating head of a valve and a lubricant forcing screw disposed axially therein, comprising, socket means engageable with the head, socket means engageable with the screw, a member rigidly connected to the first socket means extending laterally thereof, a ratchet wheel rigidly connected to the second socket means, a handle overlying said member and rotatable relative thereto, a lost motion connection between the handle and member, and a ratchet pawl carried by the handle engageable with the ratchet wheel.

2,545,392
MEANS FOR ABRADING SHOE LEATHER
Fred Stuckler, Paterson, N. J.
Application July 16, 1947, Serial No. 761,266
4 Claims. (Cl. 69—1)



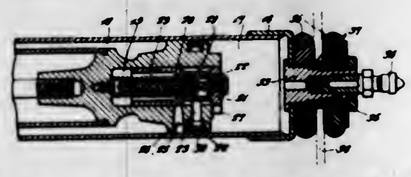
1. A roughening tool for the working of leather mounted on the periphery of a split wheel having a pair of sections hinged together at one end of the sections, the other ends of said sections being separable whereby the separable ends of the sections may be brought into abutment and locked together, a first one of said hinged sections having a pair of spaced pins extending outwardly from the separable end thereof, a single pin extending outwardly from the separable end of the second section, said single pin positioned between said pair of pins upon bringing the separable ends of the sections into abutment, said roughening tool comprising an abrading strip removably mounted on the periphery of the split wheel, a first member upturned at the sides thereof and overlapping the edges of the strip and secured thereto at one end thereof, a tongue extending radially down from the member upon mounting the strip on the wheel, said tongue having three spaced elongated slots, two of said slots for receiving therein the two pins extending from the first section upon mounting the strip on the wheel and the third of said slots on said tongue receiving therein the pin on said second section upon bringing the separable ends of the two sections into abutment, a second member secured to the other end of the strip and upturned at the sides thereof and overlapping the edges of the strip, said second member having a plurality of spaced slots underneath the strip, the said spaced slots on the second member being parallel to the axis of the split wheel, and an element having a lug extending therefrom and three spaced slots for receiving the pin on the second section and the pins on the first section upon bringing the two sections together, the lug on said element received in a slot of the plurality of slots in the second member upon locking the sections together with the abrading strip mounted on the periphery of the wheel.

2,545,393
SHAPER ATTACHMENT
James R. Tackett and Val G. Evans, Olive Hill, Ky.
Application June 12, 1945, Serial No. 599,074
4 Claims. (Cl. 90—24)



1. A swinging attachment for a shaper having a base mounted on a foundation with a shaper ram slidably mounted on the base and having a work table positioned to support work in the path of a tool carried by the ram, comprising an inverted U-shaped frame having a transverse horizontally disposed tool carrying bar with downwardly extended rocker arms, a tool holder carried by the bar and positioned to carry a tool over a work table of the shaper, a pair of vertically disposed parallel guide bars mounted in the foundation and between which the said U-shaped frame is positioned, means pivotally mounting the said U-shaped frame through the arms thereof on the parallel guide bars, and means connecting the transverse tool holder carrying bar of the U-shaped frame to the shaper ram.

2,545,394
SUSPENSION DEVICE AND SHOCK ABSORBER FOR VEHICLES
Peter Warbern Thornhill and Clive Austin Gosling, Leamington Spa, England, assignors to Levitation Limited, Leamington Spa, England
Application September 16, 1949, Serial No. 116,156
In Great Britain October 4, 1948
1 Claim. (Cl. 267—64)



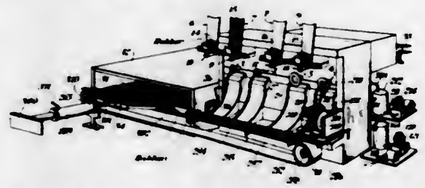
A suspension device for vehicles comprising a cylinder, a plunger including a piston head slidable in said cylinder and the plunger having a stem projecting through one end of said cylinder, said piston head defining, within said cylinder, an annular working chamber surrounding said plunger stem, and a cylindrical working chamber on the side of said piston head opposite to the plunger stem, a recess in said piston head open to the cylindrical working chamber, a valve member slidable in said recess and urged inwardly of said recess by fluid pressure in said cylindrical working chamber, means in said recess acting to urge said valve member outwardly, passage means in said piston head connecting said annular working space to said recess, a circumferential groove surrounding said piston head, additional passage means in said piston head connecting said circumferential groove to said recess between the passage means connecting the annular working space to said recess and the open end of the recess, a circumferential recess in said valve member adapted, on displacement of said valve member to either side of a mean position, to provide communication between said additional passage means and said cylindrical working space and said annular working space respectively, and a sealing device in said circumferential groove comprising an imperforate ring of flexible and resilient material bearing against the cylinder wall, two inwardly deformable lips being provided on said ring one of which co-operates with one side of the groove and the other of which co-operates with the other side of the groove to provide a pair of one-way valves each controlling communication between one working space and the recess in the piston head by way of the additional passage means.

2,545,395
COMBINATION LOCK SWITCH
Edward Jackman Tobin, Norfolk, Conn.
Application June 15, 1949, Serial No. 99,299
6 Claims. (Cl. 200—43)

5. A combination switch comprising a casing, a stationary contact in the casing, a sliding contact in the casing movable into and out of circuit making and breaking engagement with the stationary contact, a rotary permutation controlled locking member for holding the sliding contact in circuit breaking position, and means automatically locking the sliding contact in circuit making position upon an initial circuit making movement thereof and subsequently releasing the sliding contact for breaking the circuit upon a continued circuit making movement thereof, said automatic locking means comprising an expansible locking member carried by the sliding contact, a chamber in the casing and in which the expansible member is locked when the contacts are closed, and a captive ring in the chamber for contracting the expansible member to release the same from the chamber, said ring being inactive during initial circuit making movement of the sliding contact and wedged onto the expansible member to contract the latter during subsequent circuit making movement of the sliding contact.



2,545,396
DINNERWARE DECORATING APPARATUS
Albert J. Wahl, Pleasant Hills, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 23, 1946, Serial No. 705,143
23 Claims. (Cl. 91—12)

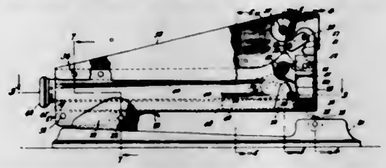


1. In apparatus for use in making decorated dinnerware, a power driven dinnerware decorating machine having plural decorating stations, a chuck and ware decorating means at each station, automatic ware dealing and transferring apparatus associated with each station for supplying the ware to the chuck at that station, automatic apparatus for arranging the decorated ware discharged from the machine in orderly rows, a conveyor between each station and said automatic apparatus for carrying said discharged ware to said apparatus, conveying means for receiving the ware from the last named apparatus and carrying the same away and means whose operation is controlled by the machine for operating said automatic apparatus and said conveying means.

2,545,397
STAPLING DEVICE
Melville E. Wampler, Chicago, Ill.
Application December 26, 1945, Serial No. 637,204
9 Claims. (Cl. 1—3)

1. In a stapling device, a hollow casing, means for driving staples disposed within said casing comprising, two spaced apart links pivotally se-

cured at one end thereof to the side walls of said casing, a third link pivotally secured at one end thereof between said two spaced apart links, and having a cam portion which limits the piv-



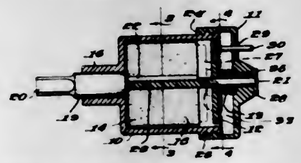
otal movement of said links by engaging the inner side of the front wall of said casing, a pin secured to said third link at the other end thereof, said pin being secured to a reciprocable head, and a staple engaging blade movable with said head.

2,545,398
FISH LURE
John Warobiew, Farrell, Pa.
Application December 9, 1947, Serial No. 790,538
2 Claims. (Cl. 43—42.16)



1. A fish lure comprising a body section having diametrically opposite grooves formed in its side walls, said grooves being parallel to the longitudinal axis of said body section, a spoon secured to the underside of the front end of the body section and projecting forwardly thereof, a tail section, laterally extending fins projecting from the forward portion of the tail section and an axially disposed swivel connection between the body section and tail section, said connection permitting rotative movement of the tail section and spacing the sections apart and normally retaining them in axial alignment.

2,545,399
MEAT GRINDING BLADE SHARPENER
Herbert E. Watkins, Clearwater, Fla.
Application February 23, 1950, Serial No. 145,654
6 Claims. (Cl. 51—241)



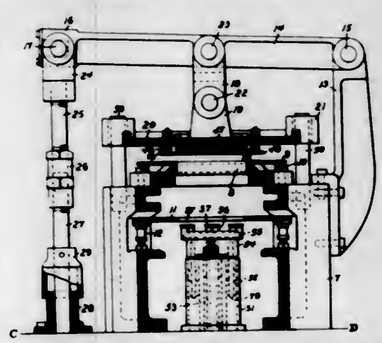
1. A meat grinder cutter sharpening attachment comprising a housing adapted to be mounted on a meat grinder over the shaft of the grinder, a grinding wheel mounted on the shaft and positioned in the housing, a cap threaded on the outer end of the housing, means preventing rotation of a cutter blade positioned between the cap and grinding wheel and means positioned between the cap and cutter blade urging the cutter blade against the said grinding wheel.

2,545,400
METAL CURTAIN
Charles S. White, Dearborn, Mich., assignor, by mesne assignments, of one-half to A. E. Wilson and one-half to Harry J. Heiden, both of Detroit, Mich.,
Application July 26, 1947, Serial No. 763,797
3 Claims. (Cl. 160—133)



3. In a curtain, a plurality of longitudinally extending elements, each of said elements having an arcuate transverse section struck on a large radius having its point of center on one side of the center line of the element to provide strength along the longitudinal dimensioning against bending, one edge of said element being curved downwardly and extended flat to form a web and reversely coiled into a male hinge portion, the opposite edge of said element being arched downwardly on a shorter radius than the arcuate transverse section and having its point of center on one side of the center line of the element and then extended flat to form a web and reversely coiled into a female hinge portion, the upper surfaces of the said arched end being higher in elevation than the opposite curved edge portion so that when the male hinge portions are telescoped into the adjacent female hinge portions the elements will be disposed in a substantially flat plane, said hinged portions and webs being arranged and spaced so as to permit said hinges to pivot 90° and permit said plurality of elements to be wound on a roller without distortion.

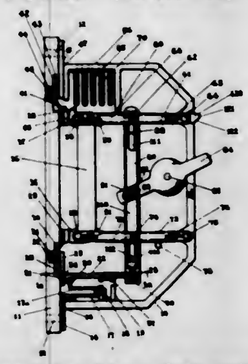
2,545,401
MECHANISM FOR DIE-CUTTING BODY BLANKS FROM CONTINUOUS STRIP MATERIAL
Paul E. Wixon, Reisterstown, and Clarence E. Chapman, Baltimore, Md., assignors to Joseph Shapiro
Original application January 6, 1948, Serial No. 748. Divided and this application May 23, 1949, Serial No. 94,891
2 Claims. (Cl. 164—25)



2. In a machine of the class described, a base, a cam shaft journaled in bearings in said base, a blanking cam on said cam shaft, a die holding stand mounted on said base, a blanking die

mounted on said stand, a punch plate located above said die, punch plate guide pins carried by said stand, said punch plate having guides to ride said pins, a blanking punch carried by said punch plate, means cooperating with said cam shaft for operating said punch plate and punch, a suction picker operatively mounted on said base for up and down motion in said die in cooperation with said punch, a suction control valve operatively connected with said picker and a cam on a shaft driven by said first mentioned cam shaft and mounted in bearing brackets on said base for operating said control valve in timed relation to the operation of said punch.

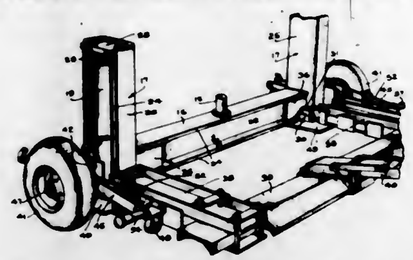
2,545,402
CIRCUIT BREAKER
Joseph D. Wood, Upper Darby, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 7, 1944, Serial No. 552,997
3 Claims. (Cl. 200—88)



1. In a circuit breaker, a first stationary contact and a first movable contact engageable therewith, a first toggle connected to said first movable contact, said first toggle being over-set when said first movable contact engages said first stationary contact; a second stationary contact and a second movable contact; said first and second movable contacts being in series with and rigidly connected to each other; said circuit breaker having a first and a second terminal; said first and second stationary contacts being connected respectively to said first and second terminals; a second toggle connected to said second movable contact, said second toggle being over-set when said second movable contact engages said second stationary contact; means automatically responsive to selected current conditions for drawing said first toggle through center and collapsing the same to move said first movable contact away from said first stationary contact; a link connecting said toggles; and a manually operated member connected to said link for drawing said second toggle through center and collapsing the same to move said second movable contact away from said second stationary contact, and for thereafter operating said first toggle to effect engagement of said first mentioned cooperating contacts.

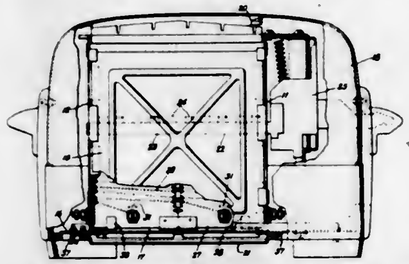
2,545,403
LIFTING JACK MECHANISM
John J. Wrenn, Philadelphia, Pa.
Application May 11, 1948, Serial No. 26,394
11 Claims. (Cl. 254—2)

1. A lifting jack mechanism of the character described comprising, in combination, a horizontal load-supporting beam adapted to be freely disposed beneath the jack pad of an aircraft landing gear, said beam being centrally fitted with an adapter engageable with said jack pad, a pair of laterally spaced hydraulically operable lifting jack units respectively engaging the opposite ends of the beam to support the same for



raising and lowering thereof under load, said jack units being positionally movable to vary the lateral spacing therebetween, means interconnecting said jack units for maintaining the same in adjusted laterally spaced relation, and means for effecting positional adjustment of the mechanism to insure axial vertical alinement of said beam adapter with said landing gear jack pad.

2,545,404
ELECTRIC TOASTER
Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application December 13, 1948, Serial No. 65,048
1 Claim. (Cl. 219—19)



An electric toaster comprising a housing having wall members arranged to provide an open bottom toaster chamber, channel means arranged in aligned mutually facing relationship on opposed walls of said chamber and extending to the bottom thereof, a heating unit including plates of insulation material the side edges of which are slidably carried by said channel means, said plates of insulation material having wound thereon a resistance wire element, said heating unit plates being insertable into said channel means through the bottom opening of said chamber, bracket means removably affixed to certain of said wall members adjacent the bottom opening of said chamber externally of the boundaries thereof, said bracket means projecting into said chamber and in engagement with side wall and bottom edge portions of said insulation plates to support the same within said chamber, means independent of said bracket means for connecting said heating unit to a source of electrical energy, and a crumb tray hingedly mounted below said chamber to provide a removable bottom closure therefor.

2,545,405
ELECTRICAL MOTOR CONTROL SYSTEM
Herbert Ziebolz and Paul Glass, Chicago, Ill., assignors to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1946, Serial No. 654,050
6 Claims. (Cl. 318—30)



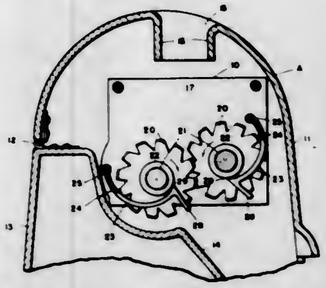
1. A control system for governing the movement of a member comprising electrically controlled power means for driving the member at varying speeds in either of two opposed directions, an amplifier circuit for receiving a control signal and rendering the same suitable to control said power means, and control means for generating electrical signals to which said amplifier circuit responds including a plurality of manually and independently operable signal sources having separate outputs, one of said signal sources being arranged to produce a signal having a distance representing value proportional to degree of error between actual and intended positions of said member for accurate positioning of the member, the other being arranged to produce a signal having a speed producing value proportional to intended speed of drive through an indeterminate distance for traversing the member, and switching means having a first and second positions respectively connecting said outputs to said amplifier circuit.

2,545,406
BALL-JOINT MOUNTING
Dawson Friend, Connersville, Ind., assignor to Stant Manufacturing Company, Connersville, Ind., a corporation of Indiana
Application May 20, 1948, Serial No. 28,161
4 Claims. (Cl. 287—21)



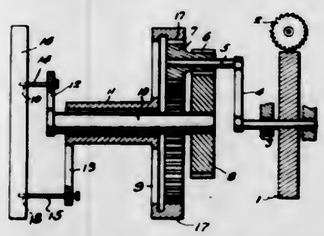
1. The combination with a stem having a radially reduced portion at one end defining a shoulder and a radially projecting collar at a point spaced from said end, and a member to be mounted on said stem for limited universal adjustment relative thereto, of a substantially hemispheric element provided, substantially in its polar region, with an axially inwardly projecting flange having a bearing support on said reduced stem portion and adapted to abut said shoulder, a mating substantially hemispheric element provided, substantially in its polar region, with an axially inwardly projecting flange having a bearing support on said stem in a region more remote than said collar from said reduced stem end and adapted to abut said collar, a coiled spring sleeved on said stem between said collar and said reduced stem end and bearing against said collar and said first-named element, and confining means providing substantially annular, part-spherical surfaces engaging said elements adjacent their equatorial regions and confining said elements against excessive separation in a polar direction under the influence of said spring, said member being supported from said confining means.

2,545,407
STRIPPER AND CLEANER FOR MEAT TENDERIZING MACHINES
Aldrich L. Jackson, Minneapolis, Minn., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn., a corporation of Minnesota
Application May 17, 1946, Serial No. 670,554
3 Claims. (Cl. 17—26)



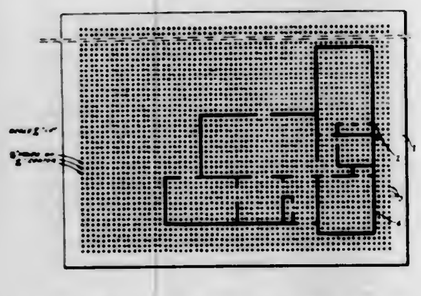
1. A stripper and cleaner finger for meat tenderizing units including an arcuated blade cleaner portion terminating in a sharp edge portion adapted to contact the hub of a unit and of a radius greater than that of the hub of the unit maintaining the major extent of said actuated portion spaced from and out of contact with said hub, and a stripping free end portion extending from said hub-contacting sharp edge in the direction of discharge of a meat product to form a stripping guide, and securing means formed on the end of said arcuated blade cleaner portion opposite said sharp edge portion.

2,545,408
INDEXING MECHANISM
Pablo Leteller, Santiago, Chile
Application April 26, 1945, Serial No. 590,333
2 Claims. (Cl. 90—57)



1. In a device of the character described an indexing device for producing angular movements of a work piece being a fraction of the circumference of a full circle, comprising interlinked planetary gear trains forming a compound epicyclic gear train, said gear trains including coaxial shafts, gears on two of said shafts, at least one train arm on another of said shafts, rotatable around the common axis of the coaxial shafts, a planetary shaft carried by the said train arm, a planetary gear on said planetary shaft in mesh with said first mentioned gear, one of said shafts being connected with a work piece, each of the other shafts being provided with fixation means, a fixed divider disk facing said other of said coaxial shafts and arranged so as to intersect the axis of said coaxial shafts at right angles, the disk being provided with a plurality of means selectively cooperating with and fixing the position of said fixation means, said means being arranged in a circle around the axis of said disk and said axis of the coaxial shafts, the rotation of one of the shafts facing the divider disk, while the other shaft is held by said fixation means, determining the extent of the angular movement of the work piece.

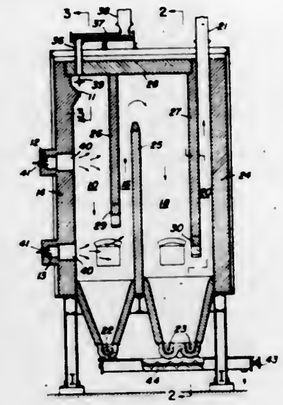
2,545,409
MEANS FOR DESIGNING AND LAYING OUT PLANS OF BUILDING
John D. McCall, Powell, Wyo.
Application December 17, 1947, Serial No. 792,238
4 Claims. (Cl. 33—1)



1. Means for designing and laying out plans of buildings comprising a substantially flat base member having a plurality of holes therein located and spaced to desired scale dimensions, said openings being of diameter substantially corresponding with wall thickness on the scale adopted, a plurality of substantially cylindrical peg-like members of diameter substantially corresponding to the diameter of the holes insertable in desired plan outline relationship in holes in the base and having their upper ends extending above the top plane of the base, and thread-like members wrapped around and on both sides of the extending ends of the peg-like members in such a way that the space between two peg-like members in the order of the plan is enclosed on both sides by the thread-like member, thus indicating both sides of the wall intended to be shown and giving wall limits of spaces and areas desired to be shown on the plan.

2,545,410
FLASH CALCINING FURNACE
Hans V. Pedersen, Marshalltown, Iowa, assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application July 10, 1947, Serial No. 760,009
3 Claims. (Cl. 263—39)

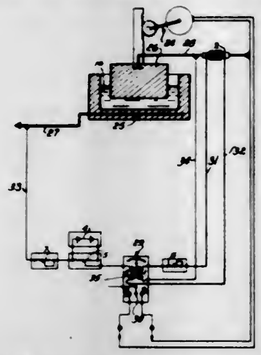
1. In a furnace for calcining calcium carbonate and like material introduced into the furnace in a preheated state, the combination of a vertical combustion chamber having a gas offtake in its lower portion, burner means at an intermediate chamber level for projecting into said chamber a flame which spreads therethrough and passes downwardly toward said offtake, means at an upper chamber level providing a spreader surface that inclines inwardly and downwardly from one chamber side, an agitator having rotatable vanes positioned in the chamber's upper portion above said spreader surface, means at a still higher chamber level for dropping the said preheated material to be calcined into said agitator and thence upon said spreader surface whereby said material is broken up and diffused through the combustion chamber and carried by gravity downwardly into said flame to be calcined by the heat thereof, a riser passage through which said flame and hot gases therefrom pass upwardly from said combustion chamber offtake, an adjacent separator chamber through which said gases from the riser passage again pass downwardly for subsequent discharge from the furnace, means including a first collector and conveyor at the furnace bottom for removing the calcined material which drops out of said flame and gases in said combustion chamber and riser passage, and means including a second collector and conveyor at the furnace bottom for removing the calcined material which further drops out of said combustion gases as same pass through said separator chamber.



2,545,411
DEVICE FOR REGULATION OF THE RESISTANCE OF AN ELECTROLYTIC CELL
Roger Joseph Perret-Bit, Chambery, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
Application October 29, 1945, Serial No. 625,387
In France April 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 7, 1964
4 Claims. (Cl. 204—225)

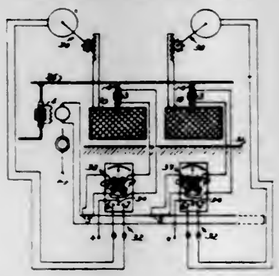
1. An electrolytic apparatus comprising a cell for holding an electrolyte, two electrodes in said cell, adjusting means for moving one of said electrodes toward and away from the other electrode, power leads provided on said electrodes for connection with a direct-current source, a balanced relay comprising two opposed actuating coils and an actuated member, said actuated member moving between a connection for causing the adjusting means to move said one electrode toward the other electrode and a connection for causing said adjusting means to move said one electrode away from said other electrode, means connected across said power leads for impressing on one of said coils a voltage proportional to the inter-electrode

resistance, and means connected to one of said power leads for impressing on the other of said



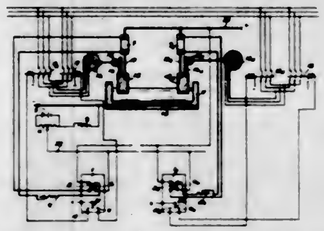
coils a voltage proportional to the current flowing between the electrodes.

2,545,412
APPARATUS FOR THE REGULATION OF CURRENT IN AN ELECTROLYTIC CELL
Roger Joseph Perret-Bit, Chambery, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
Application October 29, 1945, Serial No. 625,388
In France April 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 7, 1964
4 Claims. (Cl. 204—225)



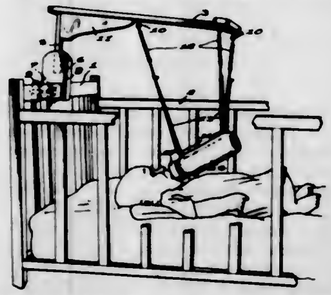
1. An electrolytic apparatus having at least one cell for containing an electrolyte and having a plurality of units each comprising two electrodes immersed in said electrolyte, adjusting means for moving one of said electrodes toward and away from the other electrode, power leads attached to said electrodes for connection through a main lead with a direct-current source, a balanced relay in each unit having two inductance members whose electromagnetic fields are in opposition and a member actuated by said inductance members, said actuated member moving between a connection for causing the adjusting means to move the said one electrode away from the other electrode and a connection for causing said adjusting means to move the said one electrode toward the other electrode, means coupled with the power lead of one of said electrodes for impressing on one of said inductance members a voltage proportional to the current flowing through said electrode, and means connected to the main lead for impressing on the other of said inductance members a voltage proportional to the current flowing through all of the units.

2,545,413
APPARATUS FOR AUTOMATIC REGULATION OF ELECTROLYTIC CELLS
Roger Joseph Perret-Bit, Chambery, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France
Application October 9, 1947, Serial No. 778,966
In France October 29, 1946
3 Claims. (Cl. 204—225)



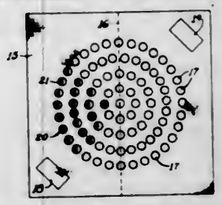
1. An electrolytic apparatus having at least one cell for containing an electrolyte and having a plurality of units each comprising two electrodes immersed in said electrolyte, adjusting means for moving one of said electrodes toward and away from the other electrode, power leads attached to said electrodes for connection through main leads with a direct-current source, a balanced relay in each unit having two inductance members whose electromagnetic fields are in opposition and a member actuated by said inductance members, said actuated member moving between a connection for causing the adjusting means to move the said one electrode away from the other electrode and a connection for causing said adjusting means to move the said one electrode toward the other electrode, means coupled with the power lead of one of said electrodes for impressing on one of said inductance members a voltage proportional to the current flowing through said electrode, and means including a constant-voltage device connected across the main leads for impressing on the other of said inductance members a voltage proportional to the difference between the voltage across all the cells and the back electromotive force of all the cells.

2,545,414
BABY FEEDER
Samuel I. Pittman, Corpus Christi, Tex.
Application October 9, 1946, Serial No. 702,277
3 Claims. (Cl. 248—104)



1. In combination with a baby bed having a horizontal upper head rail, of a baby feeder therefor comprising a clamp detachably and slidably secured on the head rail, a T-shaped frame swivelly mounted in said clamp for swinging movement in a horizontal plane overlying the bed, resilient means secured to the leg portion adjacent the clamp end to the opposite ends of the cross member, a flexible supporting casing adapted to snugly engage on a nursing bottle, connecting straps secured to said resilient means and said casing for releasably supporting said bottle adjacent the mouth of the baby.

2,545,415
CHANCE CONTROLLED GAME BOARD APPARATUS
Geneva M. Podd, Cicero, Ill.
Application November 21, 1946, Serial No. 711,278
2 Claims. (Cl. 273—135)



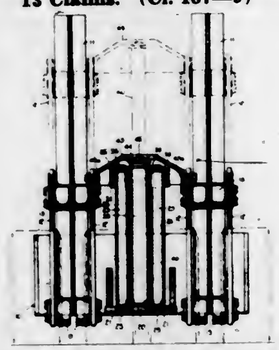
1. A game including a board having a multiplicity of closely positioned spaces marked thereon, a corresponding number of playing pieces having numbers and letters marked thereon, said pieces each containing one number and one letter on one face only, and a corresponding number of playing cards having the same numbers and letters marked thereon on one face thereof, whereby the game is played by placing all the pieces face down on each of the multiplicity of spaces marked on the board and after a plurality of the cards have been distributed to each of the players, the players then select the pieces one at a time calling out the inscription marked thereon for the combined purpose of informing all the players what inscription the piece on that particular space contains and for attempting to match the numbers and letters on the cards with the piece selected, and points are credited to the player who successfully matches the numbers and extra points are given for the successful matching of numbers and letters, or if the numbers cannot be matched then the piece is replaced and the next player plays with the added skill attendant him by his ability to remember the positioning of several previously called pieces not usable by preceding players.

2,545,416
SUPPORT FOR LUMINOUS TUBING
Richard V. Staaf, Crafton, Pa., assignor, by direct and mesne assignments, of one-fourth to himself, one-fourth to Herbert B. Groetzinger, one-fourth to Richard W. Staaf, and one-fourth to Herbert W. Groetzinger, all of Pittsburgh, Pa.
Application July 7, 1948, Serial No. 37,380
2 Claims. (Cl. 248—50)



1. An attachment for mounting a luminous tube on a support having externally threaded supporting members projecting therefrom comprising a wire having one terminal end coiled for threaded engagement over one of said threaded supporting members to mount the attachment in position on said support, said wire having its other terminal end formed to provide an integral clamp for resilient clamping engagement with a luminous tube to mount the tube on said support, said coiled terminal end having a clip projecting laterally therefrom for connection to said support to prevent rotation of the attachment with respect to said supporting member.

2,545,417
LIFT MECHANISM FOR INDUSTRIAL TRUCKS
Bronislaus I. Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 21, 1948, Serial No. 22,317
13 Claims. (Cl. 187—9)



8. In a truck of the class described, a main frame, a pair of uprights on said main frame, a load carriage slidably mounted on said uprights, a pair of base ram assemblies comprising each a cylinder and ram means adapted for lifting extension, means mounting said pair of base ram assemblies for extension each from a base forming part of said main frame, a secondary ram assembly comprising relatively movable cylinder and ram means, a support for said secondary ram assembly carried by and common to said pair of base ram assemblies and movable vertically relatively to said base and main frame upon extension of the ram and cylinder means of said base ram assemblies, said support having an opening, the cylinder means of said secondary ram assembly extending through said opening and resting by gravity against a part of said support, and means whereby the secondary ram lifts said load carriage.

2,545,418
IMMERSION HEATER FOR LIQUIDS
Jerry C. Wiesner, Granville, and James R. Carey, Albany, N. Y.
Application January 14, 1949, Serial No. 70,932
5 Claims. (Cl. 219—40)



1. In an immersion type liquid heater, the combination of a mounting head, a set of flat electrode

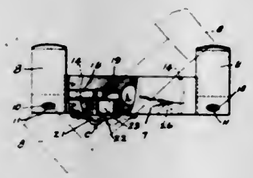
straps disposed in juxtaposed relation and secured at one end thereof to said head, an insulating holder provided on the remaining end portions of said straps, a tubular stem disposed between said straps and securing said holder to said head, said straps being adapted for immersion in and electrical contact with the liquid to be heated, and current conductors of opposite polarities extending into said head and each connected to alternate straps of said set whereby a difference of potential may be established between the immediately adjacent straps of said set, a switch connected to one of said conductors for breaking the circuit and positioned in said head, a housing secured to said stem having a coiled bimetal thermostat therein, a rod in said stem fixed to one end of said thermostat and adapted to open said switch at a predetermined temperature.

2,545,419

TELESCOPE GUN SIGHT MOUNTING

Platt S. Williams, Long Beach, Calif., assignor of one-third to Francis P. Cleary, Long Beach, Calif.

Application June 15, 1946, Serial No. 676,956
4 Claims. (Cl. 33—50)



1. In a rifle telescope sight mount having a rigid longitudinally extending base member secured to one side of the receiver of the rifle and a telescope holder having a body portion adapted to be detachably secured to the base member providing a two part mount: interfitting parts on said base member and said holder body portion effective when the holder is positioned on the base to restrict movement of the holder to swinging in a plane transverse to the top of the base; and a single locking member carried by one of said parts of the mount and movable longitudinally of the base member into engagement with the other part of the mount only when the two parts are accurately aligned to prevent any relative movement of the parts.

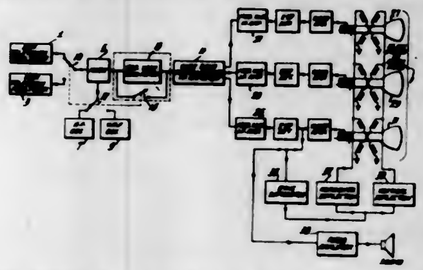
2,545,420

COLOR TELEVISION RECEIVING SYSTEM

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1947, Serial No. 795,031
6 Claims. (Cl. 178—5.4)

1. A television receiving system adapted for the reception of either color video signals or black and white video signals, a signal amplifier having a pass band whose width is substantially equal to the band width of said color video signals, a signal filter having a pass band substantially equal to the band width occupied by said black and white video signals, and a switching arrangement connected to said signal filter to include said signal filter operatively in the system during reception of said black and white video signals and to exclude the said filter from the system during the reception of said color video signals.

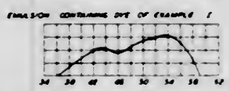


2,545,421

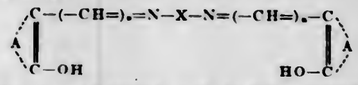
PHOTOGRAPHIC LIGHT SENSITIVE ELEMENTS CONTAINING AZANOL DYES

Alfred W. Anish, Vestal, and Lee C. Hensley, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Original application October 5, 1946, Serial No. 701,424. Divided and this application August 11, 1949, Serial No. 109,684
9 Claims. (Cl. 95—7)



1. A photographic light sensitive element which comprises a gelatino silver halide emulsion containing an azanol dye characterized by the formula:



wherein A represents the atoms necessary to complete a member selected from the class consisting of a 5-membered and 6-membered heterocyclic ring system, n represents a positive odd integer of from 1 to 3, and N—X—N is a radical of an amine containing two primary amino groups of not more than 14 carbon atoms and selected from the class consisting of hydrazine, aliphatic, aromatic and heterocyclic primary diamines.

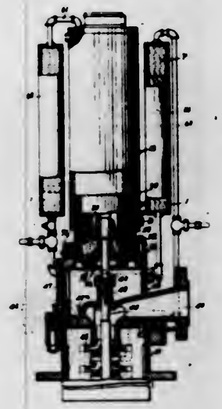
2,545,422

MOTOR PUMP

Carl J. Blom, San Marino, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware

Application February 13, 1945, Serial No. 577,696
14 Claims. (Cl. 103—87)

1. A motorpump comprising: a motor housing enclosing a motor and containing a body of dielectric liquid; a pump casing containing a pumping element and having walls defining a relatively low pressure zone and a relatively high pressure zone, the interiors of said motor housing and said pump casing being sealed from the surrounding external medium, said pump casing having a suction inlet and a discharge outlet for pump liquid, and a second outlet communicating with said relatively high pressure zone; shafting connected to said motor and extending through a wall of said motor housing and connected in driving relation with said pumping element to cause said pumping element to pump liquid through said pump casing from said suction inlet to said discharge outlet; a semi-effective mechanical seal structure sealing the juncture of said shafting with said motor housing wall, said seal structure being exposed on one side to the pressure of the dielectric liquid in the motor housing and on its other side to the pressure of the pump liquid in said relatively low pressure zone; and means for



subjecting the dielectric liquid in the motor housing to the pressure of the pump liquid in said relatively high pressure zone, comprising reservoir means containing bodies of dielectric liquid and pump liquid in communication respectively with said motor housing and said second outlet from said pump casing, and means interposed between said bodies of fluid for preventing admixture thereof with each other while maintaining said fluids in pressure transfer relation with each other.

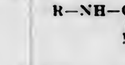
2,545,423

DIAZOTYPES CONTAINING A GUANIDE BASE IN A GELATIN LAYER TO PREVENT DYE DIFFUSION

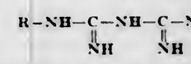
Herman H. Duerr, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 10, 1949, Serial No. 75,737
4 Claims. (Cl. 95—8)

1. A light sensitive printing material for use in the production of diazotype prints comprising a base coated with a gelatin layer and a superimposed light sensitive coating comprising a diazo compound and an azo coupling component, at least one of which contains an acid group, and said gelatin layer containing dispersed therein a guanide base of the class consisting of the bases having the following general formulae:



and



wherein R represents a member of the class consisting of alkyl, aralkyl, and acyl groups of at least 7 carbon atoms.

2,545,424

LITHIUM COBALTITE

Reuben B. Ellestad and Bernard R. Babbitt, Minneapolis, Minn., assignors to Metalloy Corporation, Minneapolis, Minn., a corporation of Minnesota

No Drawing. Application December 2, 1946, Serial No. 713,464
1 Claim. (Cl. 23—51)

A lithium cobaltite product, the lithium cobaltite in the pure state corresponding to the formula $LiCoO_2$, said product decomposing to give Li_2O, CoO, and O_2 according to the equation

$$4LiCoO_2 \rightarrow 2Li_2O + 4CoO + O_2$$

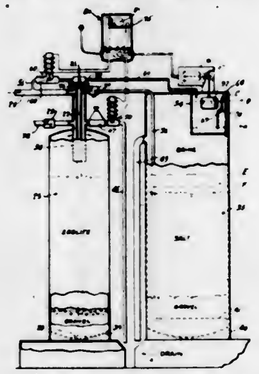
the O_2 yield of said product varying from 55% to 100% of the theoretical.

2,545,425

WATER-SOFTENING APPARATUS AND SYSTEM

Harry C. Fischer, Plymouth, Mich.

Application July 31, 1947, Serial No. 765,025
9 Claims. (Cl. 210—24)



1. In a water-softening apparatus of the type having a softening tank and a brine tank, and a supply pipe to the softening tank for raw water and a withdrawal pipe for softened water from the softening tank, an auxiliary tank positioned above the normal liquid level of the brine tank, means for passing brine to the softening tank in response to reduction in pressure in the softening tank, valve means operating simultaneously to reduce pressure in the softening tank and to meter fresh water to the auxiliary tank, means responsive to the liquid level in the auxiliary tank to interrupt the last means, and means to effect dumping of metered water from the auxiliary tank to the brine tank to replenish liquid therein.

2,545,426

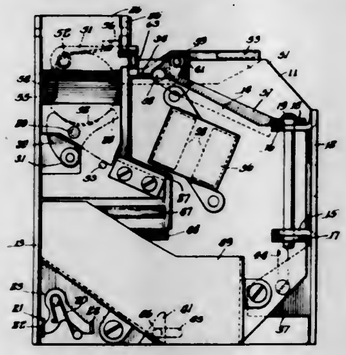
COIN SELECTOR

Otto A. Hokanson, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application December 6, 1945, Serial No. 633,145
4 Claims. (Cl. 194—102)

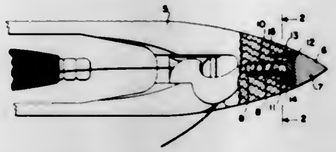
1. A coin selector comprising a stationary wall having a pivoted gate provided with a member to form an inclined runway, said gate defining a coin passageway adjacent the entrance to said selector, said gate being mounted by a separable hinge normally retained in hinged relation by a spring, said gate being provided with a coin testing means for stopping under diameter, and

under weight coins, said gate being pivotally mounted for manual movement away from said



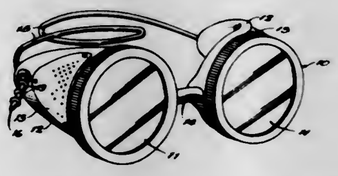
wall to clear said testing means of stopped coins and to provide access to the inner surfaces of said gate and said wall.

2,545,427
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1948, Serial No. 63,478
4 Claims. (Cl. 139—196)



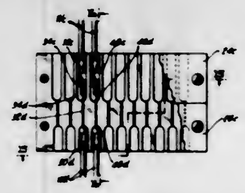
1. In a loom shuttle of the character described, a tip member having a shank positioned in a hole in the end of the shuttle body, said shank having an enlarged portion of polygonal cross-section immediately to the rear of the base of the tip member, and the rest of the shank being substantially cylindrical.

2,545,428
ADJUSTABLE HEADBAND FOR GOGGLES AND THE LIKE
John N. Liautaud, Chicago, Ill., assignor to Chicago Eye Shield Company, a corporation of Illinois
Application September 11, 1946, Serial No. 696,263
2 Claims. (Cl. 2—14)



1. An adjustable head band for goggles and the like having securing holes at opposite sides thereof comprising a resilient and extensible strip of rubber or the like of substantially round cross section to be received in the securing holes and having adjacent each end a plurality of integral spaced apart annular flanges having a normal cross sectional area greater than the securing holes for firmly retaining the ends of the strip in adjusted position in the securing holes, the cross sectional area of the resilient and extensible strip and flanges thereof being appreciably reduced upon forceful extension of the strip to permit pulling of the flanges through the securing holes for providing longitudinal adjustable positioning of the ends of the strip in the securing holes.

2,545,429
ELECTRICAL CONNECTOR
James C. Macy, New Cumberland, Pa., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa., a corporation of New Jersey
Application November 27, 1945, Serial No. 631,031
6 Claims. (Cl. 173—328)



1. A multiple connector comprising a plurality of connector blades arranged in closely spaced relationship along parallel axes and each having a counterpart engaging clip near one end extending from one edge portion of the blade, and block means supporting said blades in said spaced relationship; said block means comprising intermediate slotted portions in each slot of which an intermediate portion of a blade is disposed, said block means further comprising marginal portions provided with recesses, each recess being associated in communication with a slot of said slotted portions, and each recess presenting a surface in closely spaced juxtaposition with respect to said one edge portion of the blade disposed in the slot associated with such recess.

2,545,430
FLUORINATION OF UNSATURATED HALOCARBONS WITH LEAD TETRAFLUORIDE
Earl T. McBee, La Fayette, Ind., and Richard M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application December 22, 1945, Serial No. 637,073
5 Claims. (Cl. 260—653)

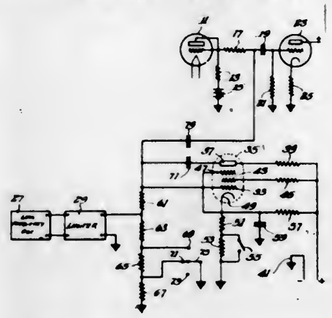
1. The method for the perfluorination of an unsaturated halocarbon containing at least one halogen other than fluorine in the molecule to saturate, with fluorine, double bonds of the unsaturated halocarbon and to replace, with fluorine, all halogen other than fluorine in the unsaturated halocarbon, with retention of the carbon structure of the starting unsaturated halocarbon, the steps which include (1) vaporizing an unsaturated halocarbon containing at least one halogen atom other than fluorine, (2) maintaining lead tetrafluoride in a reaction zone at a temperature between about 20 and 500 degrees centigrade, (3) causing the unsaturated halocarbon and lead tetrafluoride to react in the reaction zone at the said temperature with saturation, with fluorine, of at least one double bond in the unsaturated halocarbon, and with replacement, with fluorine, of all halogen other than fluorine in the unsaturated halocarbon, and (4) condensing from the effluent product a halocarbon having the carbon structure of the starting halocarbon wherein at least one double bond has been saturated with fluorine and wherein all halogen other than fluorine has been replaced with fluorine.

2,545,431
METHOD OF KILLING WEEDS AND THE MATERIALS USED THEREIN
Paul A. Sartoretto, New York, N. Y., assignor to W. A. Cleary Corporation, a corporation of New Jersey
No Drawing. Application March 21, 1947, Serial No. 736,412
18 Claims. (Cl. 71—2.4)

1. The method of killing weeds in an active state of growth which comprises applying thereto a herbicidal quantity of an aryl mercury salt of an acid of the class consisting of 2,4-dichlorophenoxy acetic acid, 2,5-dichlorophenoxy acetic acid, and 2,4,5-trichlorophenoxy acetic acid.

11. A composition comprising an aryl mercury salt of an acid of the class consisting of 2,4-dichlorophenoxy acetic acid, 2,5-dichlorophenoxy acetic acid, and 2,4,5-trichlorophenoxy acetic acid, boric acid and an alkanolamine.

2,545,432
ELECTRONIC TREMULANT
Francis M. Schmidt, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application June 1, 1949, Serial No. 96,545
11 Claims. (Cl. 84—1.25)



1. An electronic musical instrument including an electronic amplifier stage and an electronic tremulant, said tremulant comprising an electronic tube, an input circuit for said electronic tube and connected substantially in shunt with said electronic amplifier stage, and means for varying the input capacitance of said electronic tube whereby to shunt a variable portion of a musical tone passed by said electronic amplifier stage to produce a tremulant effect.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 255. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

605,415. **CLOSURE MOUNTINGS.** Albert A. Soderquist, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware. Filed July 16, 1945. Published Mar. 13, 1951. Class 20—40. 1 sheet of drawings. 10 pages of specification.



The disclosure is concerned with a construction for mounting closures, particularly, of the transparent type, in apertures such as may be provided in vehicle bodies. Such construction is especially useful for securing domed closures, such as sighting domes, blisters, or nose portions of a fuselage, in aircraft which are pressurized for high altitude flying.

The figure is an enlarged sectional view through a closure secured in an aperture in a vehicle wall by one form of a mounting, taken in a plane generally perpendicular to the aperture.

The mounting consists of two strips of rubber, an outer strip 10 and an inner strip 11 bonded respectively to opposite sides of the closure edge. These strips are generally half-rounded in shape, with a rib 12 substantially rectangular in cross section and projecting from the edge of the strip remote from the margin of the closure. They may enclose a dome of single thickness or a laminar construction of two or more laminations as 13.

The flat surfaces of strips 10 and 11 are treated with a hardening agent, such as sulphuric acid, dried, cleaned and then bonded to the edge of the closure by a suitable resin glue or cement.

The vehicle wall 2 is strengthened by an encircling stiffening member 20, which preferably has a deep web, as shown. The strips 10 and 11 are then embraced by complemental grooved retaining or clamping rings including the external ring 21 and the internal ring 22. These rings have flanges 23 and 24 which register with each other when the rings are assembled to embrace the cushioning strips 10 and 11. These flanges underlie the margin of the aperture in wall 2, and the wall and such ring flanges may be secured together by bolts, rivets, screws, or other suitable securing means.

This construction will hold the closure firmly and the closure may be readily removed by disconnecting the members joining the wall 2 and the flanges 23 and 24 of the retaining rings.

637,758. **PROPULSION MEANS FOR VEHICLES.** Alva Gael Simson, United States Army, Washington, D. C. Filed Dec. 28, 1945. Published Mar. 13, 1951. Class 115—1. 1 sheet of drawings. 4 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The disclosure relates to power means for use with water craft.

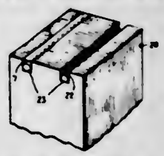
Referring to Figure 1, reference numeral 10 refers to a water craft of the type used in surf launching operations. The craft 10 is provided with the usual screw propeller 11 powered by a conventional internal combustion engine (not shown). The craft is generally pulled up out of contact with the surf and rests upon a launching track 12 which leads down to the edge of the surf or water 13. In order to obviate the difficulties of launching by hand under adverse weather conditions and in order that the crew may be positioned before the craft is launched, an auxiliary means of propulsion is provided having sufficient power to drive the craft from its resting position into the water. This auxiliary means comprises a jet propulsion unit 14 on each side of the stern of the craft, positioned well above the water line so that the reaction therefrom is had with the air. A single jet motor may be used, similarly mounted but centrally of the stern. A firing mechanism is also located in the stern of the craft so that the jet motors may be placed in operation at the proper moment and controlled from within the craft.

The jet propulsion unit may be of the solid fuel type, or the liquid fuel type.

732,605. **POLE SHADER.** Wayne A. Seigel, Palmer, N. Y., assignor to General Electric Company, a corporation of New York. Filed Mar. 5, 1947. Published Mar. 13, 1951. Class 175—21. 1 sheet of drawings. 11 pages of specification.

The application discloses a pole shader for a laminated magnetic structure 20 comprising a pair of slots 22 disposed in substantially parallel

spaced relation across a pole face 21. The slots are filled with bodies 7 of silver solder, or the like,



in each of which is embedded a conducting bar 23 of copper, or the like.

767,360. **CONTROLLING AND STOPPING SYNTHETIC RUBBER POLYMERIZATIONS.** Raymond F. Dunbrook, Robert L. Bebb, and John N. Street, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Aug. 7, 1947. Published Mar. 13, 1951. Class 260—82.3. No drawing. 20 pages of specification.

This application discloses "stopping agents" or "short stops" for the emulsion polymerization process. These are applicable to the polymerization of 1,3 butadiene, isoprene, piperylene, dimethylbutadiene and 2-methyl-1,3 pentadiene, alone, mixed with each other or with a comonomer such as acrylonitrile, methacrylonitrile, styrene, alpha methylstyrene, nuclear substituted styrenes, monochlorostyrene, dichlorostyrene, vinylnaphthalene, vinylbiphenyl, vinylcarbazole, methyl vinyl ketone, ethyl acrylate, methyl methacrylate, vinyl chloride or vinylidene chloride.

Substances found to be useful stopping or retarding agents are listed in the tables below.

The effect of some of these agents in retarding polymerization on being introduced together with butadiene and styrene at the beginning of the polymerization is shown below (after 15–16 hours at 49–50° C.):

TABLE 1

Test Materials	Concentration in Per Cent on Monomers	Per Cent Conversion
p-Nitrosophenol	0.1	0.0
p-Chlorophenol	0.1	0.0
p-Cresol	0.1	0.0
Nitroso-beta-naphthol	0.1	0.0
Resorcinol	0.1	18.6
Resorcinol monoacetate	0.1	27.5
Phenol	0.2	very low
Hydroxylamine hydrochloride	0.1	25.6
Aniline	0.4	0.0
Thioglycollic acid	0.1	very low
Sodium Morpholine dithiocarbamate	0.1	0.0
Sodium thioglycollate		0.0
m-Nitroacetophenone		0.0
1,3,5 Trinitrobenzene		0.0
2,2' Dihydroxydiethyl sulfide		less than 70
Isonitroso methyl-n hexyl ketone		less than 70
Dithiosalicylic acid		less than 70
1,3,5-Trinitrobenzene	0.1	very low
Beta-Naphthol	0.1	0.0
p-Aminophenol	0.05	0.0
o-Amylphenol	0.1	72.0
p-Hydroxybenzaldehyde	0.1	75.0
Triethanolammonium hydroxide	0.4	62.7
2-Aminobiphenyl	0.1	74.0
Nitrobenzene	0.1	83.2
Sodium formaldehyde sulfoxylate	0.1	78.7

Their effect as "stopping agents," in the same polymerization, when added after a certain degree of conversion was reached, appears below:

TABLE 2

Test Materials	Concentration in Per Cent on Monomers	Per Cent Conversion When Added	Per Cent Conversion After 15 Hrs.	Conversion Increase in Per Cent
Tetramethylthiuram disulfide	0.20	52.2	54.1	1.9
	0.10	51.6	55.6	4.0
	0.05	53.0	77.2	22.2
Butyraldehyde-butylidene aniline	0.30	51.7	53.1	1.4
	0.20	54.0	55.7	1.7
	0.10	53.8	61.6	7.8
	0.05	53.8	74.0	20.2
Zinc diethyl dithiocarbamate	0.20	52.6	52.7	0.1
	0.10	52.8	58.4	5.6
	0.05	51.6	79.2	27.6
Aniline	0.20	64.1	63.9	0
Phenyl-beta-naphthylamine	2.0	41.0	47.9	6.9
P-Cresol	0.20	66.3	89.4	23.1
Zinc mercapto-benzothiazole	0.30	51.7	84.0	32.3
Thiophenol	1.0	53.0	52.1	0
	0.50	53.0	78.6	25.6
Diphenyl guanidine	0.30	48.0	83.0	35.0
2-Mercaptothiazoline	0.20	53.6	61.2	7.6
	0.05	54.8	69.9	15.1
Ammonium thiocyanate	0.20	64.2	95.4	31.2
Control		52.0	99.5	47.5
Phenol	0.30	66.0	86.0	20.0
Bis (beta-naphthol) sulfide	0.30	54.0	74.0	20.0
Di-n-butylamine	0.30	53.5	94.1	40.6
n-Butylsulfite	0.30	54.0	91.2	37.2
Diphenylmethane	0.30	55.1	88.3	33.2
Thio-beta-naphthol	0.50	57.0	99.5	42.5
Benzylamine	0.50	59.5	94.0	34.5
Control		51.5	98.9	47.4
Naphthoquinone-1, 4-oxime	0.30	54.7	54.0	0
Sodium diethyldithiocarbamate	0.30	56.6	62.5	5.9
2, 5-Di-tert-butyl hydroquinone	0.30	52.3	52.5	0.2
	0.10	52.3	52.7	0.4
Dinitrochlorobenzene	0.30	56.8	61.5	4.7
	0.05	61.5	67.0	5.5
Mercaptobenzothiazole	0.50	53.5	56.5	3.0
Reaction product of dinitrochlorobenzene and mercaptobenzothiazole	0.50	53.5	56.5	3.0
Diphenol sulfide (pure)	0.20	61.2	62.5	1.3
Diphenol sulfide (crude)	0.30	57.5	59.2	1.7
Diphenol sulfide (crude)	0.10	58.0	63.0	5.0
alpha-Naphthol	0.30	56.0	57.0	1.0
beta-Naphthylamine	0.05	61.0	61.0	0.0
alpha-Naphthylamine	0.30	56.0	57.5	1.5
p-tert-Butylcatechol	0.30	56.5	57.5	1.0
Tetramethylthiuram disulfide	0.2	52.2	54.1	1.9
Tetraethylthiuram disulfide	0.5	56.5	58.0	1.5
Control		63.0	98.5	35.5
Diamylphenol	0.20	63.0	94.5	31.5
Allylamine	0.20	64.0	98.0	34.0
Trichlorobenzene	0.20	64.5	98.5	34.0
Ethyl resorcinol	0.20	49.0	68.0	19.0
2,4-Dinitrophenol	0.20	51.5	78.0	26.5
Dimethylaniline-S_2Cl_2 reaction product	0.10	56.5	77.5	21.0
1,3-Diphenyl-2-propylimidazolidine	0.10	49.0	69.0	20.0
Hexamethylene tetramine	0.10	49.0	78.0	29.0
Semicarbazide hydrochloride	0.10	46.0	78.0	32.0
o-Hydroxycinnamic acid	0.10	58.0	86.5	28.5
Control		63.0	98.5	35.5
o-Phenylene diamine	0.20	63.5	64.5	1.0
Catechol	0.20	63.5	63.0	0
Trinitrobenzene	0.20	64.0	64.0	0.0
Benzylresorcinol	0.20	51.0	60.0	9.0
Benzylhydroquinone	0.20	48.0	50.0	2.0
Di-tert-butylcatechol	0.20	47.5	49.0	1.5
Monobenzyl ether of tert-butylcatechol	0.20	50.0	49.0	0
m-Dinitrobenzene	0.20	46.0	53.5	7.5
N,N-diethyl ethylene-diamine monothio-carbamic acid	0.10	49.0	61.0	12.0
Methylene dipiperidine-CS_2 reaction product	0.10	49.5	60.0	10.5
N,N' 1-diphenyl ethylene diamine	0.10	47.5	65.0	17.5
Di (beta-hydroxyethyl) aniline	0.10	46.0	61.5	15.5
p-Chloro-o-anisidine	0.10	49.5	53.0	3.5
Methylene dimorpholine-CS_2 reaction product	0.20	48.0	48.0	0.0
Diethyl methylene diamine-CS_2 reaction product	0.10	48.0	52.5	4.5
Diethylammonium - N,N-diethyl dithiocarbamate	0.10	48.0	52.5	4.5
Piperidinium pentamethylene dithio-carbamate	0.10	48.0	51.0	3.0

The following "stopping agents" were found to be non-discoloring:

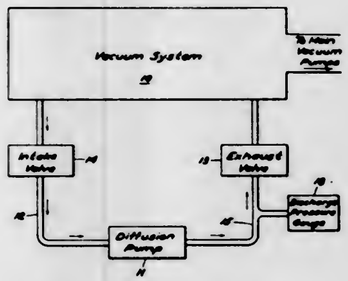
TABLE 3

Non-discoloring stopping agents

2-Mercaptothiazoline
Butyraldehyde-butylidene aniline
Diphenol sulfide
Tetramethylthiuram disulfide
Tetraethylthiuram disulfide
Sodium diethyldithiocarbamate
2,4-Dinitrochlorobenzene
Mercaptobenzothiazole
Reaction product of dinitrochlorobenzene and mercaptobenzothiazole
N,N-Diethylethylene diamine monothiocarbamic acid
Dimethylaniline-S_2Cl_2 reaction product
Methylene dipiperidine-CS_2 reaction product
Di (beta-hydroxyethyl) aniline
Methylene dimorpholine-CS_2 reaction product
Diethyl methylene diamine
Diethyl ammonium-N,N-diethyldithiocarbamate
Piperidinium pentamethylene dithiocarbamate.

785,216. PRESSURE MEASURING APPARATUS. Gaines W. Monk, Oak Ridge, Tenn., assignor, by mesne assignments to the United States of America as represented by the Atomic Energy Commission. Filed Nov. 12, 1947. Published Mar. 13, 1951. Class 73—388. 1 sheet of drawings. 6 pages of specification.

In order to measure a low pressure of the order of 0.01 to 1.0 microns occurring within a vacuum system 10, a small diffusion pump 11 is provided, the intake side of the pump being connected to the vacuum system through an adjustable intake valve 14, and the discharge side of the pump being connected to the vacuum system through an adjustable exhaust valve 13. The gas occupying the

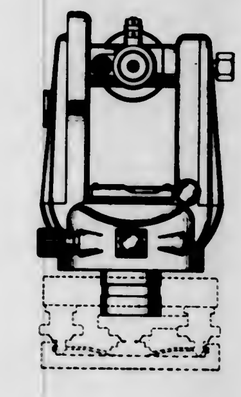


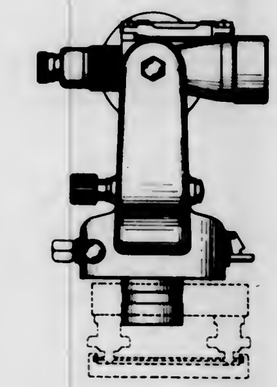
volume 15 between the diffusion pump and the exhaust valve is thus amplified in pressure by a known amplification factor, and its pressure may be measured by a gauge 18 adapted to operate in a pressure range substantially higher than the pressure in the vacuum system 10.

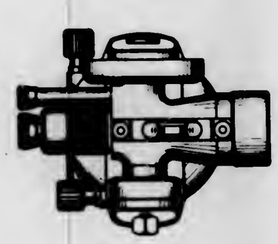
DESIGNS

MARCH 13, 1951

162,370
SURVEYING INSTRUMENT
Allister L. Baker, Jersey City, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application October 6, 1948, Serial No. 148,987
Term of patent 14 years
(Cl. D52—1)

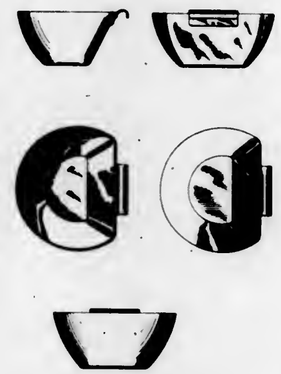






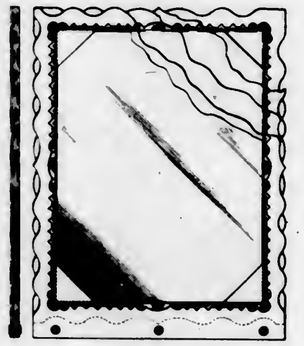
The ornamental design for a surveying instrument, substantially as shown and described.

162,371
STARCH PAN OR THE LIKE
George A. Bauer, Milwaukee, Wis.
Application November 19, 1948, Serial No. 149,710
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a starch pan or the like, as shown.

162,372
TOY PICTURE FRAMING BOOK
Morton R. Berman, Brooklyn, N. Y.
Application April 28, 1949, Serial No. 2,319
Term of patent 3½ years
(Cl. D6—2)



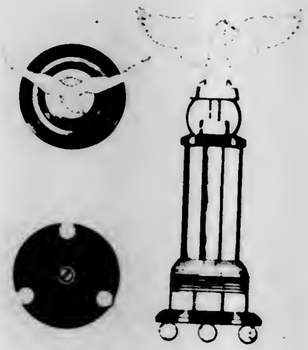
The ornamental design for a toy picture framing book, substantially as shown and described.

162,373
SPOON OR SIMILAR ARTICLE OF FLATWARE
Milton Bernstein, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 9, 1950, Serial No. 10,440
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of flatware, as shown and described.

162,374
AWARD TROPHY
William Augusto Borba, South San Francisco, Calif.
Application July 16, 1949, Serial No. 3,951
Term of patent 14 years
(Cl. D29—23)



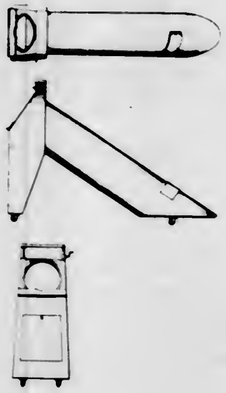
The ornamental design for an award trophy, substantially as shown and described.

162,375
EMBOSSED EMBROIDERED FABRIC
George Brandon, New York, N. Y.
Application June 23, 1950, Serial No. 10,700
Term of patent 3½ years
(Cl. D3—9)



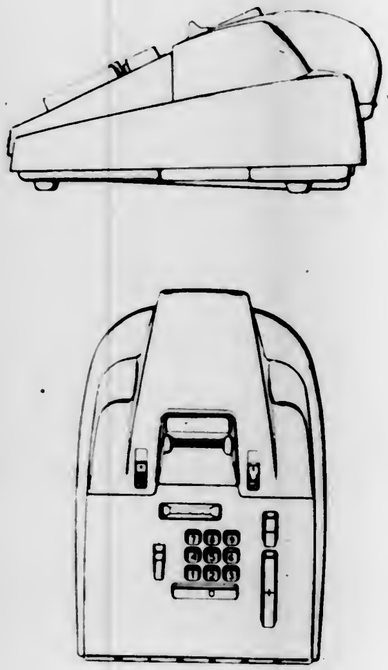
The ornamental design for an embossed embroidered fabric, substantially as shown.

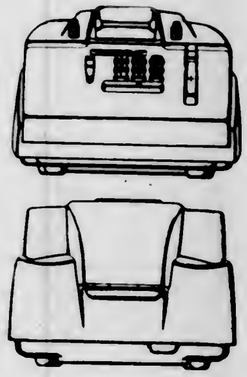
162,376
SHOOTING GALLERY
Daniel N. Broyles, Knoxville, Tenn.
Application July 28, 1950, Serial No. 11,465
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a shooting gallery, substantially as shown.

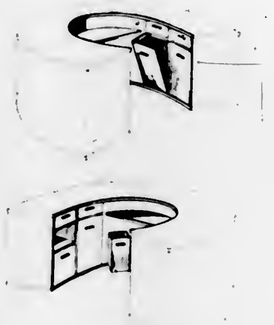
162,377
CALCULATING MACHINE CASING
Robert D. Budlong, Skokie, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application July 1, 1950, Serial No. 10,926
Term of patent 14 years
(Cl. D64—11)





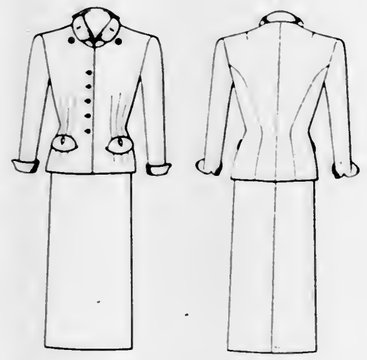
The ornamental design for a calculating machine casing, substantially as shown.

162,378
DESK
De Lois J. Burchard, Russellville, Ark., assignor of one-half to Bob Bailey, Russellville, Ark.
Application February 7, 1950, Serial No. 7,773
Term of patent 14 years
(Cl. D33—7)



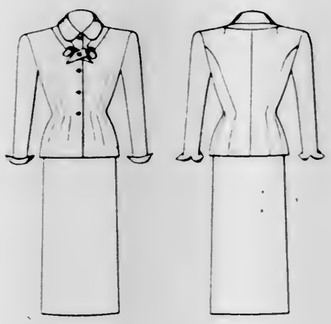
The ornamental design for a desk, as shown and described.

162,379
SUIT
Toni Carnegie, New York, N. Y.
Application November 18, 1950, Serial No. 13,051
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

162,380
SUIT
Toni Carnegie, New York, N. Y.
Application November 18, 1950, Serial No. 13,055
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

162,381
SUIT
Toni Carnegie, New York, N. Y.
Application November 18, 1950, Serial No. 13,056
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

162,382
EARRING ATTACHMENT
John Carroll, Jr., Providence, R. I.
Application June 14, 1950, Serial No. 10,509
Term of patent 14 years
(Cl. D45—9)



The ornamental design for an earring attachment, as shown.

162,383
STOCKING
Abram Carson, Philadelphia, Pa.
Application November 14, 1950, Serial No. 12,990
Term of patent 14 years
(Cl. D47—7)



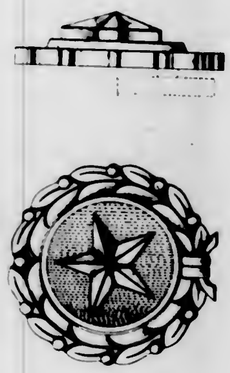
The ornamental design for a stocking, substantially as shown and described.

162,384
FIGURINE
Dorothea Casady, West Los Angeles, Calif., assignor to Graham H. Harper, Santa Monica, Calif.
Application January 15, 1949, Serial No. 241
Term of patent 7 years
(Cl. D29—23)



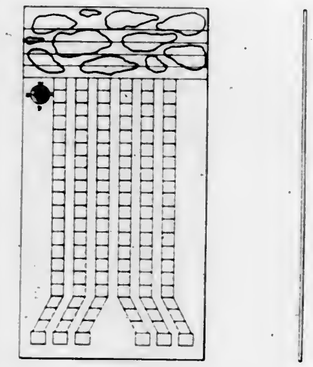
The ornamental design for a figurine, as shown.

162,385
BADGE OR SIMILAR ARTICLE
Harold B. Colborn, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army
Application March 30, 1948, Serial No. 145,445
Term of patent 14 years
(Cl. D29—2)



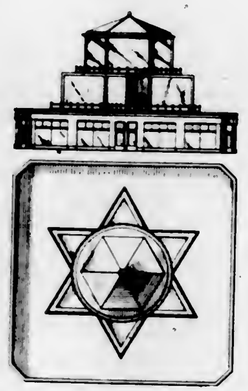
The ornamental design for a badge or similar article, as shown and described.

162,386
GAME BOARD OR SIMILAR ARTICLE
James W. Connolly, Boston, Mass.
Application October 11, 1949, Serial No. 5,428
Term of patent 7 years
(Cl. D34—5)



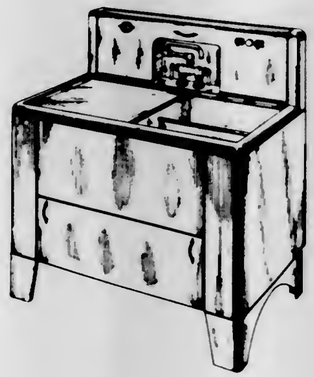
The ornamental design for a game board, or similar article, substantially as shown and described.

162,387
COMBINED BUILDING AND DISPLAY SIGN
Samuel L. Cooper, Chicago, Ill.
Application November 12, 1948, Serial No. 149,582
Term of patent 14 years
(Cl. D13—1)



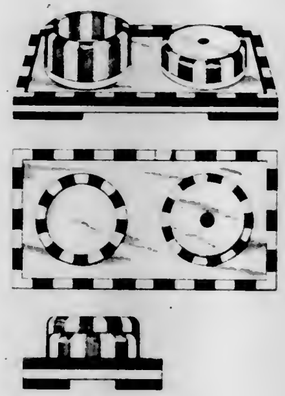
The ornamental design for a combined building and display sign, as shown and described.

162,388
GLASS WASHER
Thomas H. Corbett, Chicago, Ill.
Application November 18, 1949, Serial No. 6,115
Term of patent 14 years
(Cl. D49—1)



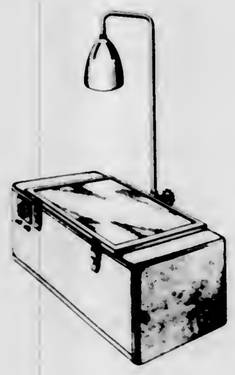
The ornamental design for a glass washer, substantially as shown and described.

162,389
COMBINED TRAY, NUTCRACKER BLOCK, AND BOWL
Michael Corpora, Mountain View, Calif.
Application September 7, 1949, Serial No. 4,884
Term of patent 14 years
(Cl. D44—1)

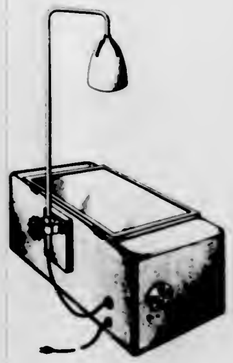


The ornamental design for a combined tray, nutcracker block, and bowl, as shown.

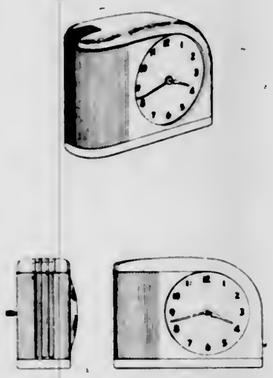
162,390
COMBINED PRINTER AND DRIER FOR PLANOGRAPHIC PRINTING PLATES
Robert A. Dalton, Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 4, 1949, Serial No. 3,950
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a combined printer and drier for planographic printing plates, as shown.

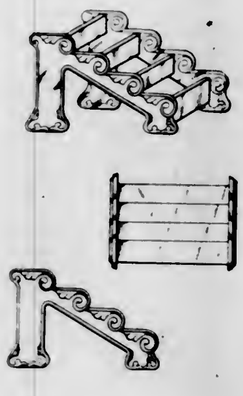


162,391
CLOCK
Paul G. Darrot, Southbury, Conn., assignor to General Time Corporation, New York, N. Y., a corporation of Delaware
Application February 21, 1949, Serial No. 986
Term of patent 14 years
(Cl. D42—7)



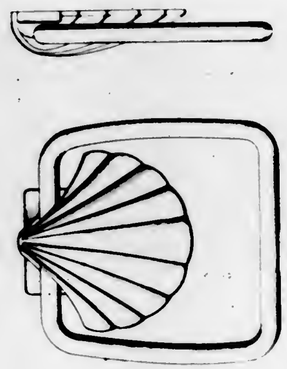
The ornamental design for a clock, substantially as shown.

162,392
EARRING HOLDER
Victor De Felice, Leominster, Mass., assignor to Kaskadusa Tool Company, Inc., Leominster, Mass., a corporation of Massachusetts
Application November 30, 1949, Serial No. 6,343
Term of patent 3½ years
(Cl. D80—9)



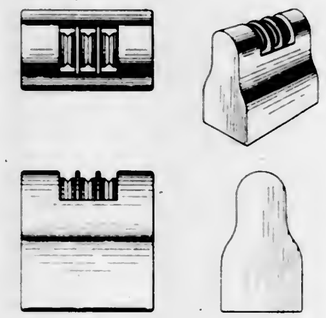
The ornamental design for an earring holder, substantially as shown.

162,393
TOWEL SUPPORT
James E. Donaldson, Chicago, Ill.
Application January 25, 1949, Serial No. 475
Term of patent 14 years
(Cl. D33—16)



The ornamental design for a towel support, as shown.

162,394
POWER KNIFE SHARPENER
George T. Estfan, Wichita, Kans.
Application October 17, 1949, Serial No. 5,543
Term of patent 14 years
(Cl. D37—1)



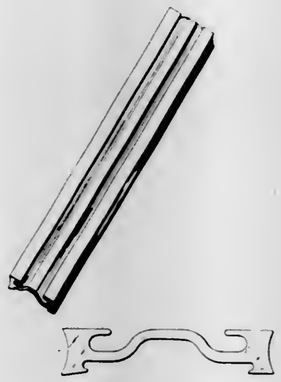
The ornamental design for a power knife sharpener, as shown.

162,395
EMBOSSED PLASTIC SHEET OR SIMILAR ARTICLE
William M. Feder, New York, N. Y.
Application July 12, 1950, Serial No. 11,085
Term of patent 7 years
(Cl. D87—3)



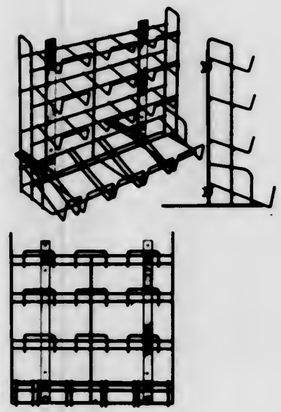
The ornamental design for an embossed plastic sheet or similar article, as shown.

162,396
STRAIGHTEDGE
Alan C. Ferguson and Arthur J. La Croix, Southbridge, Mass., assignors to Hyde Manufacturing Company, Southbridge, Mass., a corporation of Massachusetts
Application January 5, 1949, Serial No. 62
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a straightedge, as shown.

162,397
DISPLAY RACK
Phil J. Fink, San Francisco, Calif., assignor to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
Application October 26, 1950, Serial No. 12,750
Term of patent 7 years
(Cl. D80—10)



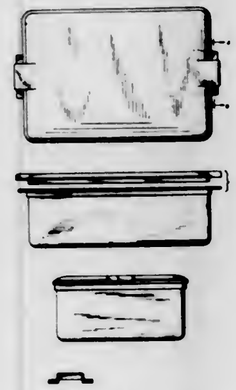
The ornamental design for a display rack, as shown.

162,398
STOCKING
Robert Friedrich, Jr., Sewell, N. J., assignor to L'Opera Hosiery Mill, Inc., Glassboro, N. J., a corporation of New Jersey
Application February 28, 1950, Serial No. 8,195
Term of patent 14 years
(Cl. D47—7)



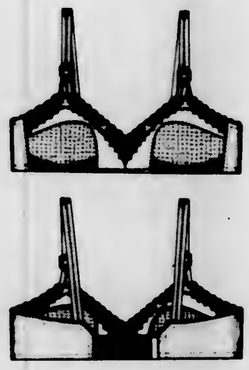
The ornamental design for a stocking, as shown.

162,399
CRISPER
Robert K. Gibbs, Evansville, Ind., assignor to Tri-State Plastic Molding Co., Henderson, Ky., a limited partnership
Application June 2, 1948, Serial No. 146,722
Term of patent 14 years
(Cl. D44—1)



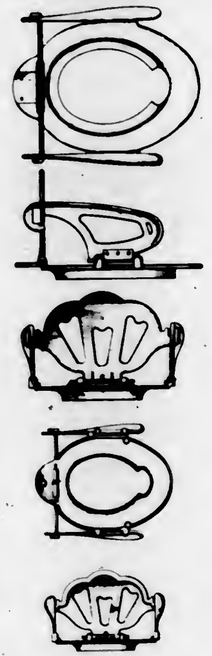
The ornamental design for a crisper, as shown and described.

162,400
BRASSIÈRE
Irving Gimble and Daniel Musano, New York, N. Y.
Application December 28, 1950, Serial No. 13,612
Term of patent 7 years
(Cl. D20—4)



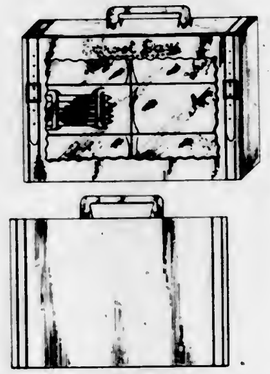
The ornamental design for a brassière, substantially as shown.

162,401
INFANT'S TOILET SEAT
Sheldon B. Glass, Chicago, Ill.
Application September 25, 1950, Serial No. 12,331
Term of patent 14 years
(Cl. D4—5)



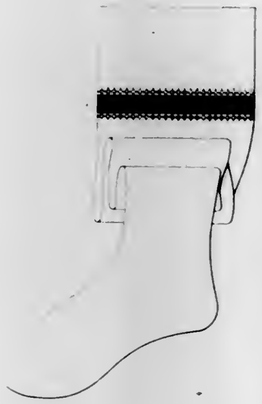
The ornamental design for an infant's toilet seat, substantially as shown.

162,402
COMBINATION PACKAGE OF CHILDREN'S PANTIES AND PENCILS
George Gold, Brooklyn, N. Y.
Application December 24, 1949, Serial No. 6,831
Term of patent 7 years
(Cl. D80—5)



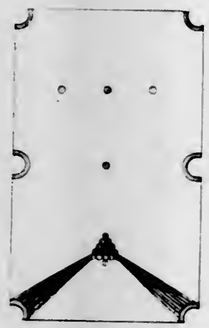
The ornamental design for a combination package of children's panties and pencils, as shown and described.

162,403
STOCKING
Barnett D. Gordon, Brookline, Mass.
Application June 16, 1950, Serial No. 10,574
Term of patent 14 years
(Cl. D47—7)



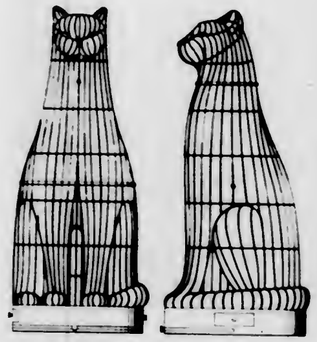
The ornamental design for a stocking, as shown and described.

162,404
POOL TABLE COVER
John B. Gregory, Frederick, Okla.
Application August 22, 1949, Serial No. 4,643
Term of patent 7 years
(Cl. D92—26)



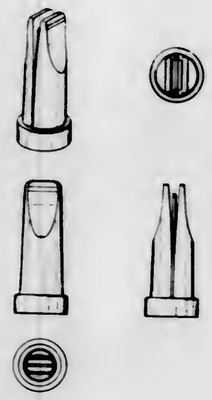
The ornamental design for a pool table cover, as shown.

162,405
BIRD CAGE
James B. Gresham, New York, N. Y.
Application May 12, 1949, Serial No. 2,610
Term of patent 14 years
(Cl. D31—2)



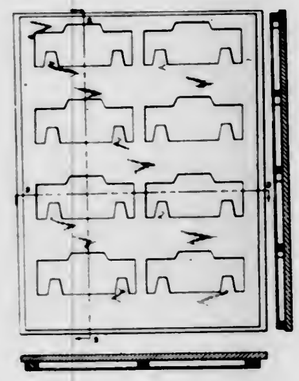
The ornamental design for a bird cage, as shown and described.

162,406
REED MOUTHPIECE
Harold Groesman, St. Louis, Mo., assignor to Jay V. Zimmerman, Clayton, Mo.
Application December 7, 1949, Serial No. 6,465
Term of patent 7 years
(Cl. D56—1)



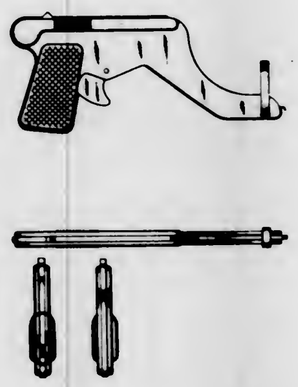
The ornamental design for a reed mouthpiece, substantially as shown.

162,407
DISPLAY RACK
Ann Hallabrin, Detroit, Mich.
Application July 8, 1950, Serial No. 11,021
Term of patent 14 years
(Cl. D30—9)



The ornamental design for a display rack, as shown.

162,408
TOY RING-LAUNCHING DEVICE
Clarence F. Hartman, Silverton, Ohio, assignor to The Hartman-Holm Co., Norwood, Ohio, a corporation of Ohio
Application November 2, 1949, Serial No. 5,830
Term of patent 14 years
(Cl. D34—15)



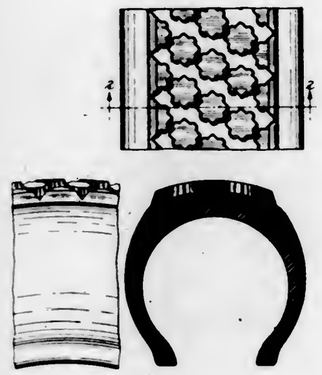
The ornamental design for a toy ring-launching device, as shown.

162,409
OSCILLOGRAPH CASE
Claude M. Hathaway and Kurt E. Fox, Denver, Colo.
Application December 21, 1950, Serial No. 13,528
Term of patent 14 years
(Cl. D26—5)



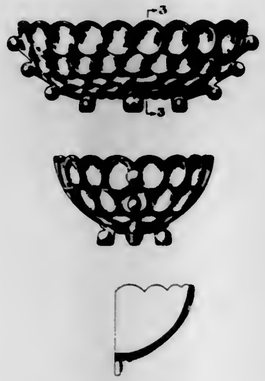
The ornamental design for an oscillograph case, as shown.

162,410
TIRE
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application October 3, 1949, Serial No. 5,277
Term of patent 14 years
(Cl. D90—20)



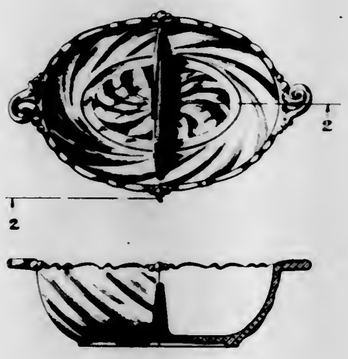
The ornamental design for a tire, as shown.

162,411
BOWL OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio
Application November 9, 1949, Serial No. 5,940
Term of patent 14 years
(Cl. D36—2)



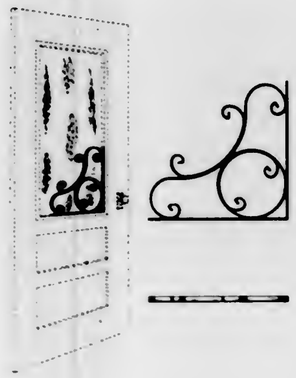
The ornamental design for a bowl or article of similar nature, substantially as shown.

162,412
COMPARTMENTED DRESSING BOWL OR SIMILAR ARTICLE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio
Application November 22, 1949, Serial No. 6,197
Term of patent 14 years
(Cl. D36—2)



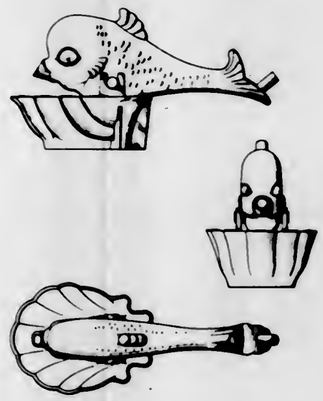
The ornamental design for a compartmented dressing bowl or similar article, substantially as shown.

162,413
SCREEN GUARD
Clarence W. Jergensen, Chicago, Ill., assignor to Superior Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application January 25, 1950, Serial No. 7,537
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a screen guard, substantially as shown and described.

162,414
BUBBLE BLOWER
James B. Joyce, Alhambra, Calif., assignor to Norman A. Fisher, Los Angeles, and Arthur B. Mull, Hemet, Calif.
Application January 23, 1950, Serial No. 7,401
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a bubble blower, as shown.

162,415
GIRDLE
Mack Kahn, Cedarhurst, N. Y.
Application July 18, 1950, Serial No. 11,240
Term of patent 7 years
(Cl. D26—2)



The ornamental design for a girdle, as shown.

162,416
PIN CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,764
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

162,417
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,765
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,418
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,767
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,419
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,768
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,420
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,769
Term of patent 7 years
(Cl. D45—19)



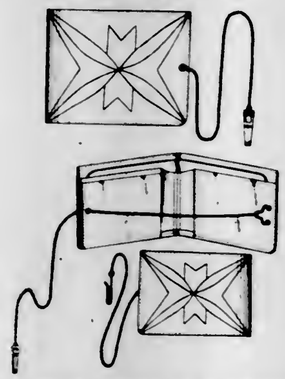
The ornamental design for a brooch or similar article, substantially as shown.

162,421
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 12, 1951, Serial No. 13,770
Term of patent 7 years
(Cl. D45—19)



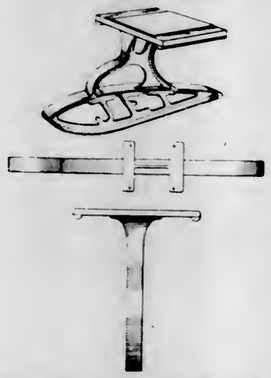
The ornamental design for a brooch or similar article, substantially as shown.

162,422
COMBINED WALLET AND SAFETY CHAIN
Samuel Kitzes, New York, N. Y.
Application October 26, 1950, Serial No. 12,748
Term of patent 7 years
(Cl. D87—3)



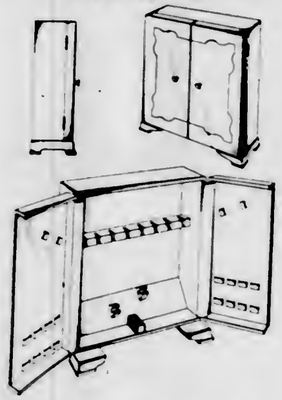
The ornamental design for a combined wallet and safety chain, substantially as shown.

162,423
SLED
Charles J. P. Kotchan, Lynbrook, N. Y.
Application March 16, 1950, Serial No. 8,569
Term of patent 7 years
(Cl. D34—15)



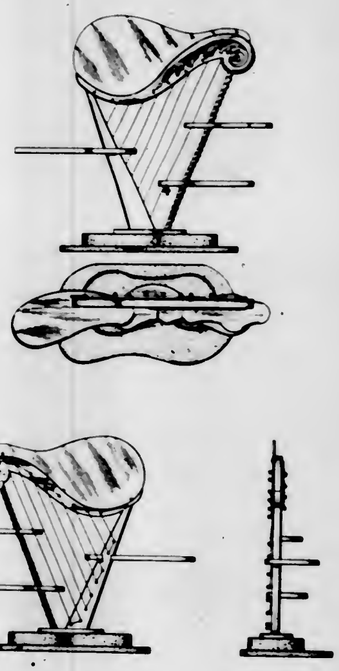
The ornamental design for a sled, as shown.

162,424
SILVERWARE CABINET
Charles W. Kulp, Meriden, Conn.
Application October 28, 1949, Serial No. 5,743
Term of patent 7 years
(Cl. D32—19)



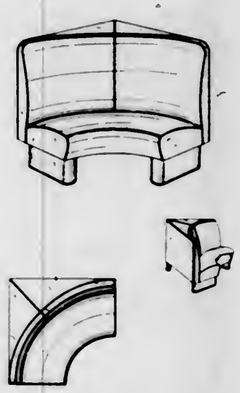
The ornamental design for a silverware cabinet, substantially as shown.

162,425
DISPLAY RACK
Louis G. Meyers, New York, N. Y.
Application November 20, 1950, Serial No. 13,062
Term of patent 7 years
(Cl. D80—9)



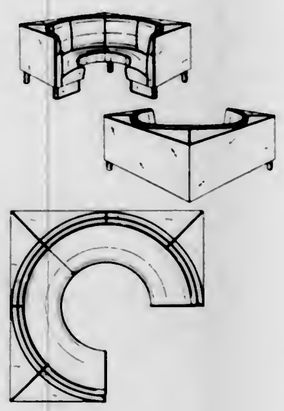
The ornamental design for a display rack, as shown.

162,426
BOOTH SEAT
Lawrence M. Michelson, Clayton, Mo., assignor to Duro Chrome Corporation, St. Louis, Mo., a corporation of Missouri
Application February 19, 1948, Serial No. 144,615
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a booth seat, substantially as shown.

162,427
BOOTH SEAT
Lawrence M. Michelson, Clayton, Mo., assignor to Duro Chrome Corporation, St. Louis, Mo., a corporation of Missouri
Application February 19, 1948, Serial No. 144,616
Term of patent 14 years
(Cl. D15—11)



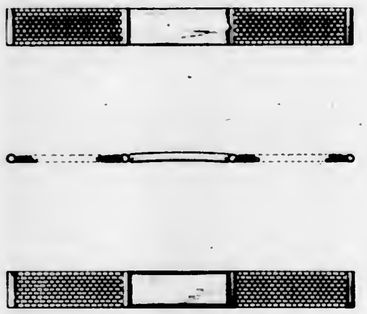
The ornamental design for a booth seat, substantially as shown.

162,428
TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application September 27, 1950, Serial No. 12,375
Term of patent 3½ years
(Cl. D92—1)



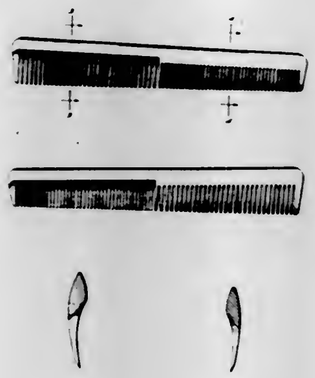
The ornamental design for a textile fabric, substantially as shown and described.

162,429
WATCH BAND
Samuel Moanfeldt, New York, N. Y., assignor to Chambers Mfg. Co., New York, N. Y., a firm
Application June 28, 1950, Serial No. 10,813
Term of patent 14 years
(Cl. D45—4)



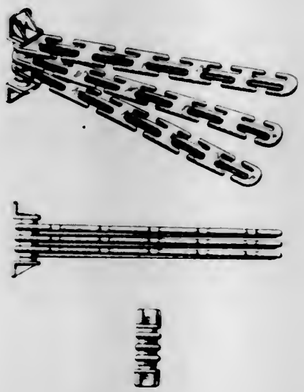
The ornamental design for a watch band, substantially as shown and described.

162,430
COMB
Charlie Adams Moore, Nashville, Tenn.
Application July 20, 1950, Serial No. 11,273
Term of patent 14 years
(Cl. D86—8)



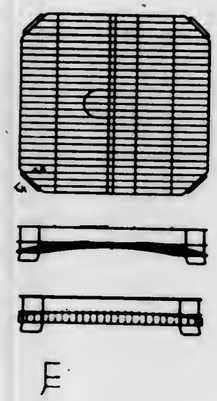
The ornamental design for a comb, substantially as shown.

162,431
NECKTIE HOLDER OR SIMILAR ARTICLE
Robert W. Nelson, Lancaster, N. Y.
Application March 30, 1950, Serial No. 8,870
Term of patent 14 years
(Cl. D33—8)



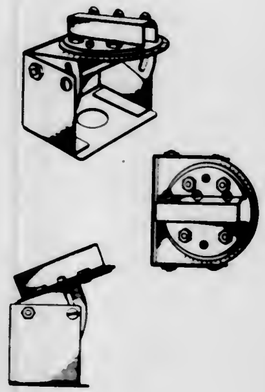
The ornamental design for a necktie holder or similar article as shown.

162,432
GLASSWASHER TRAY
Robert E. Newman, Berkeley, Calif.
Application May 16, 1949, Serial No. 2,695
Term of patent 7 years
(Cl. D49—1)

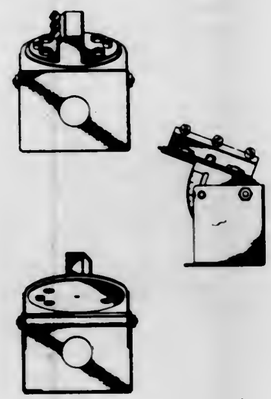


The ornamental design for a glasswasher tray, as shown.

162,433
GRINDING MACHINE WORK SUPPORT
Carl E. Nomann, Santa Ana, and George R. Palm, Montebello, Calif.
Application August 4, 1950, Serial No. 11,598
Term of patent 14 years
(Cl. D37—1)

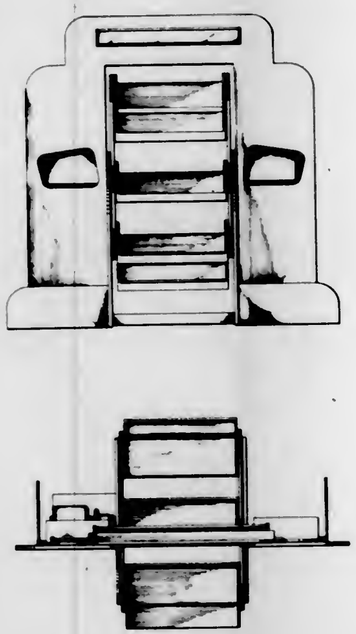


162,433—Continued



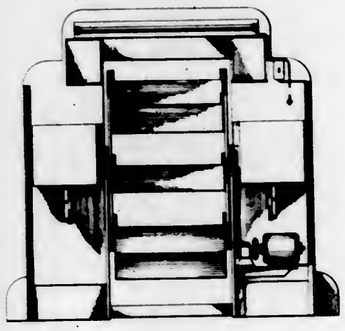
The ornamental design for a grinding machine work support, substantially as shown.

162,434
FERRIS WHEEL DISPLAY RACK
Charlie Lee Norton, Jr., Danville, Va., assignor to Dan River Mills, Incorporated, a corporation of Virginia
Application October 20, 1950, Serial No. 12,641
Term of patent 14 years
(Cl. D80—9)



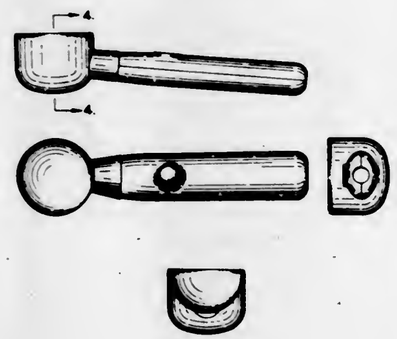
162,434—Continued





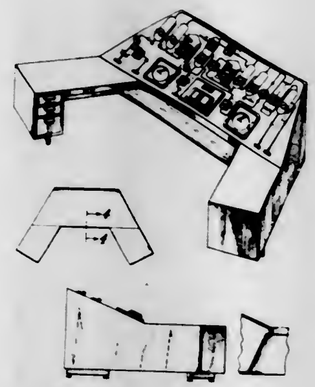
The ornamental design for a ferris wheel display rack, substantially as shown and described.

162,435
ICE CREAM SERVER
Bede Stanislaus Nugent, Surry Hills, near Sydney, New South Wales, Australia
Application February 3, 1950, Serial No. 7,727
Term of patent 14 years
(Cl. D44—29)



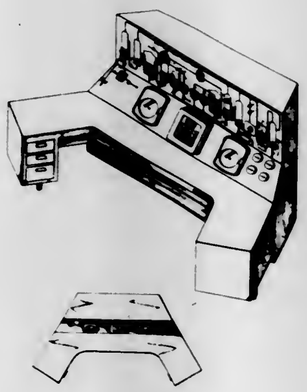
The ornamental design for an ice cream server, as shown.

162,436
CONSOLE
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application November 12, 1949, Serial No. 5,995
Term of patent 7 years
(Cl. D26—5)



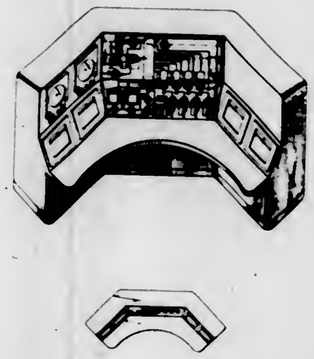
The ornamental design for a console, as shown and described.

162,437
CONSOLE INSTRUMENT BOARD
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application January 12, 1950, Serial No. 7,181
Term of patent 7 years
(Cl. D26—5)



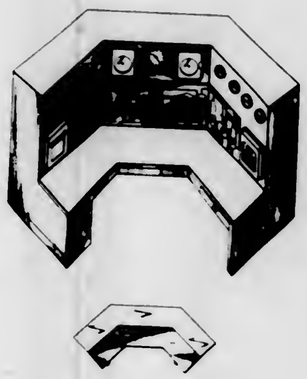
The ornamental design for a console instrument board, as shown and described.

162,438
CONSOLE INSTRUMENT BOARD
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application January 12, 1950, Serial No. 7,182
Term of patent 7 years
(Cl. D26—5)



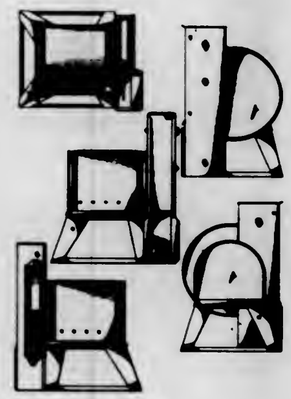
The ornamental design for a console instrument board, as shown and described.

162,439
CONSOLE INSTRUMENT BOARD
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 17, 1950, Serial No. 10,003
Term of patent 7 years
(Cl. D26—5)



The ornamental design for a console instrument board, as shown and described.

162,440
COMBINATION BUN AND ROLL SLICER
Elmer F. Oetinger, Buffalo, N. Y.
Application May 12, 1950, Serial No. 9,909
Term of patent 3½ years
(Cl. D55—1)



The ornamental design for a combination bun and roll slicer substantially as shown.

162,441
TYPEWRITING MACHINE
William J. O'Neil, New York, N. Y., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application June 29, 1950, Serial No. 10,841
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a typewriting machine, as shown and described.

162,442
ASH TRAY
Howard A. Packard, Albany, N. Y.
Application June 2, 1950, Serial No. 10,320
Term of patent 14 years
(Cl. D85—2)



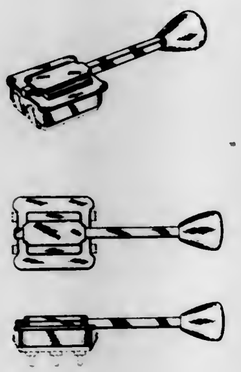
The ornamental design for an ash tray, substantially as shown.

162,443
KEY CHAIN
Delfina Parenti, Boston, Mass.
Application March 26, 1948, Serial No. 145,393
Term of patent 14 years
(Cl. D17—14)



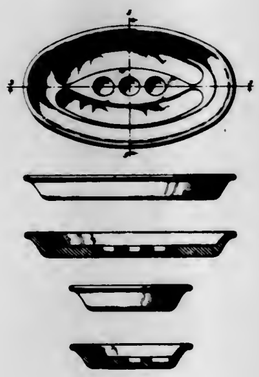
The ornamental design for a key chain, as shown.

162,444
SWITCH
John B. Parsons, Maumee, Ohio
Application March 17, 1950, Serial No. 8,597
Term of patent 7 years
(Cl. D26—13)



The ornamental design for a switch, as shown and described.

162,445
SERVING DISH OR THE LIKE
Roscoe J. Pastory, Dallas, Tex.
Application November 22, 1949, Serial No. 6,189
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a serving dish or the like, as shown.

162,446
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 30, 1950, Serial No. 13,211
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,447
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 30, 1950, Serial No. 13,212
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,448
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 30, 1950, Serial No. 13,213
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

162,449
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,272
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

162,450
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,273
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

162,451
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,274
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,452
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,275
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,453
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,276
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,454
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,277
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,455
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 5, 1950, Serial No. 13,278
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

162,456
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1950, Serial No. 13,426
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,457
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1950, Serial No. 13,427
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,458
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1950, Serial No. 13,429
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

162,459
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 18, 1950, Serial No. 13,476
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

162,460
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 18, 1950, Serial No. 13,477
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,461
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 18, 1950, Serial No. 13,478
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

162,462
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 20, 1950, Serial No. 13,507
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,463
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 20, 1950, Serial No. 13,508
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,464
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 20, 1950, Serial No. 13,509
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,465
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 20, 1950, Serial No. 13,510
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

162,466
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 10, 1951, Serial No. 13,724
Term of patent 7 years
(Cl. D45—19)



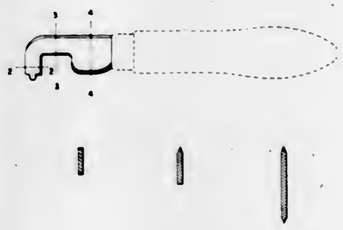
The ornamental design for a brooch or similar article, substantially as shown.

162,467
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 12, 1951, Serial No. 13,779
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

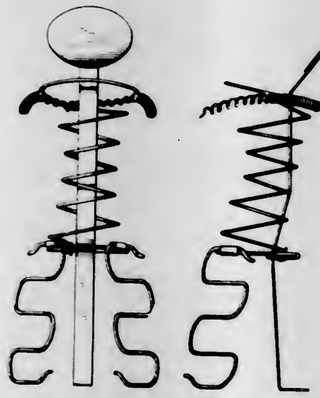
162,468
KITCHEN KNIFE
Junior C. Poirier, Duluth, Minn.
Application April 7, 1949, Serial No. 1,858
Term of patent 14 years
(Cl. D22—3)

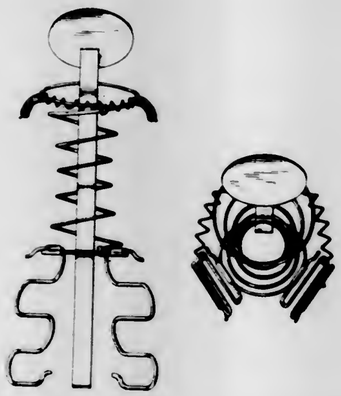


The ornamental design for a kitchen knife, as shown and described.

162,469
FIGURINE
Julian G. Pollock, Philadelphia, Pa., assignor to Nachman Corporation, Chicago, Ill., a corporation of Illinois
Application January 12, 1950, Serial No. 7,177
Term of patent 14 years
(Cl. D29—23)







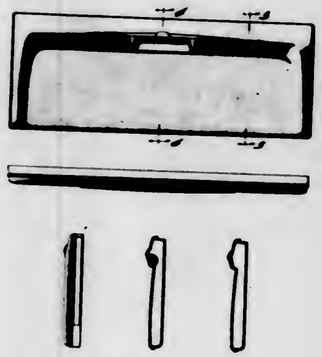
The ornamental design for a figurine, as shown.

162,470
PLAQUE
Frank Powell, Miami, Fla.
Application December 20, 1950, Serial No. 13,506
Term of patent 7 years
(Cl. D29—23)



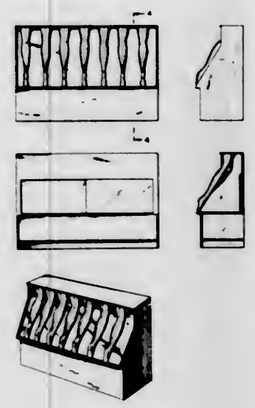
The ornamental design for a plaque, substantially as shown.

162,471
EVAPORATOR DOOR FOR A REFRIGERATOR
Carl Reynolds, Jr., Birmingham, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application October 4, 1950, Serial No. 12,451
Term of patent 14 years
(Cl. D67—3)



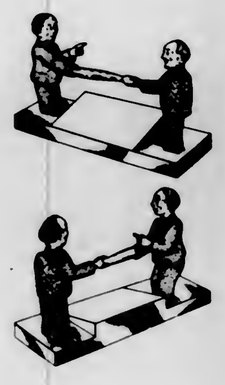
The ornamental design for an evaporator door for a refrigerator, as shown.

162,472
COMBINED STOCKING DISPLAY CASE AND SALES COUNTER
Stanley Roth, New York, N. Y.
Application August 11, 1950, Serial No. 11,728
Term of patent 14 years
(Cl. D60—11)



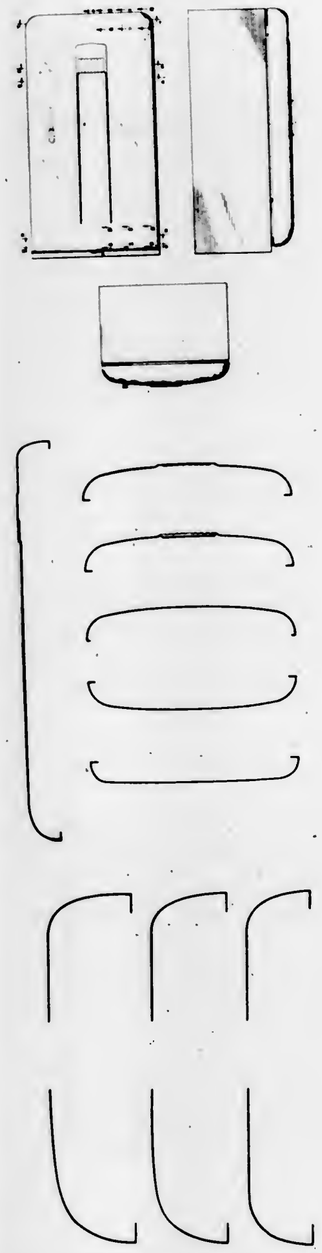
The ornamental design for a combined stocking display case and sales counter, substantially as shown

162,473
FIGURINE
Walter C. Rushmore, Denver, Colo.
Application March 18, 1950, Serial No. 8,615
Term of patent 14 years
(Cl. D29—23)



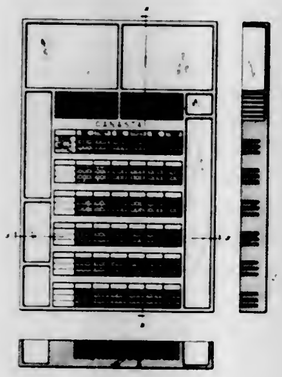
The ornamental design for a figurine, as shown.

162,474
REFRIGERATOR CABINET
Charles W. Sanders, Greenville, Mich., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application September 22, 1950, Serial No. 12,295
Term of patent 7 years
(Cl. D67—3)



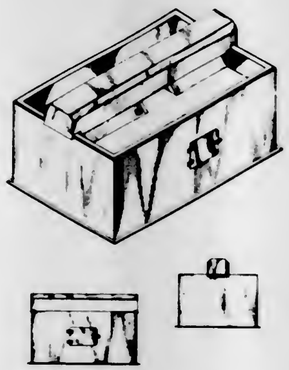
The ornamental design for a refrigerator cabinet, substantially as shown and described.

162,475
CARD GAME ACCESSORY
Frank Sanderson, Kingman, Ariz.
Application December 20, 1950, Serial No. 13,505
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a card game accessory, as shown and described.

162,476
LIVE STOCK WATERER
Harold A. Saunders and Carmen V. Saunders, Denver, Colo., assignors to Midstate Manufacturing Company, Denver, Colo., a corporation of Colorado
Application April 15, 1949, Serial No. 2,026
Term of patent 14 years
(Cl. D12—2)



The ornamental design for a live stock waterer, as shown and described.

162,477
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,354
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a sock or similar article as shown and described.

162,478
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,355
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a sock or similar article, as shown and described.

162,479
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,356
Term of patent 7 years
(Cl. D47—7)



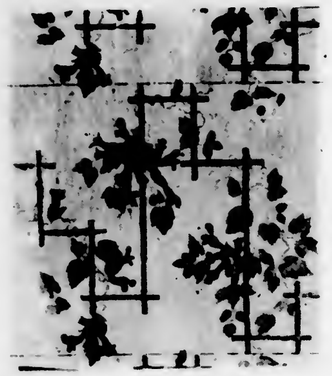
The ornamental design for a sock or similar article, as shown and described.

162,480
WALLPAPER OR THE LIKE
James Seeman, Forest Hills, N. Y.
Application June 22, 1950, Serial No. 10,694
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for a wallpaper or the like, substantially as shown.

162,481
WALLPAPER
James Seeman, New York, N. Y.
Application October 13, 1950, Serial No. 12,547
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a wallpaper, substantially as shown and described.

162,482
WALLPAPER
James Seeman, New York, N. Y.
Application October 13, 1950, Serial No. 12,548
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a wallpaper, substantially as shown and described.

162,483
WALLPAPER
James Seeman, New York, N. Y.
Application October 13, 1950, Serial No. 12,549
Term of patent 7 years
(Cl. D59—10)



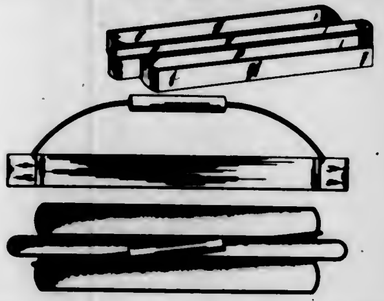
The ornamental design for a wallpaper, substantially as shown and described.

162,484
WALLPAPER
James Seeman, New York, N. Y.
Application October 13, 1950, Serial No. 12,550
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a wallpaper, substantially as shown and described.

162,485
CARRIER FOR VACUUM CLEANER ATTACHMENTS
James W. Sheker, Fort Dodge, Iowa
Application November 9, 1949, Serial No. 5,947
Term of patent 7 years
(Cl. D6—5)



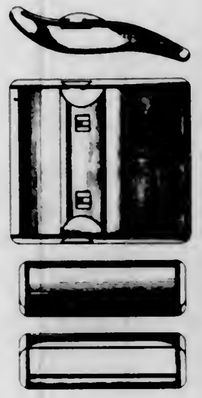
The ornamental design for a carrier for vacuum cleaner attachments, as shown and described.

162,486
ROOM SERVICE UTILITY CART OR THE LIKE
Otto L. Snapp and Otis L. High, Columbus, Ohio, assignors to White Castle System, Inc., Columbus, Ohio, a corporation of Delaware
Application August 30, 1950, Serial No. 11,994
Term of patent 14 years
(Cl. D14—3)



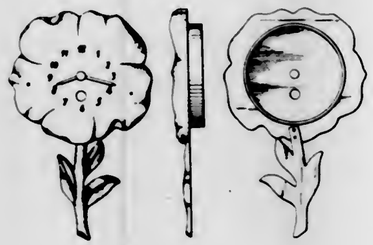
The ornamental design for a room service utility cart or the like, substantially as shown.

162,487
TRAWL NET SLED
Oscar M. Sorensen, Fernandina, Fla.
Application May 25, 1950, Serial No. 10,166
Term of patent 14 years
(Cl. D31—4)



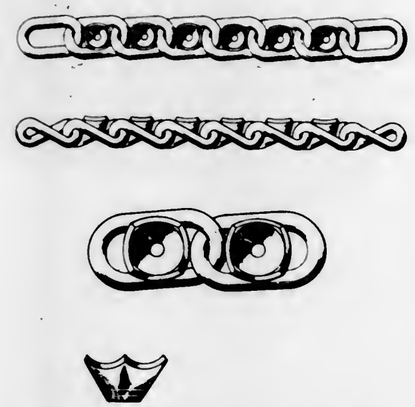
The ornamental design for a trawl net sled, as shown.

162,488
CLOCK
Irene Winston Spier, New York, N. Y., assignor to Beacon Plastic & Metal Products, Inc., New York, N. Y., a corporation of New York
Application April 8, 1950, Serial No. 9,074
Term of patent 14 years
(Cl. D42—7)



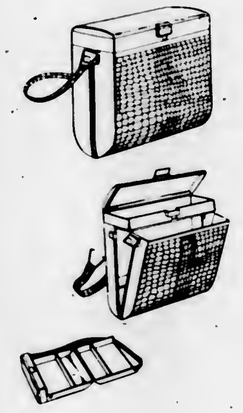
The ornamental design for a clock, substantially as shown, and described.

162,489
CROSS CHAIN FOR TIRE CHAINS
Henry St. Pierre, Worcester, Mass.
Application September 9, 1950, Serial No. 12,130
Term of patent 14 years
(Cl. D90—20)



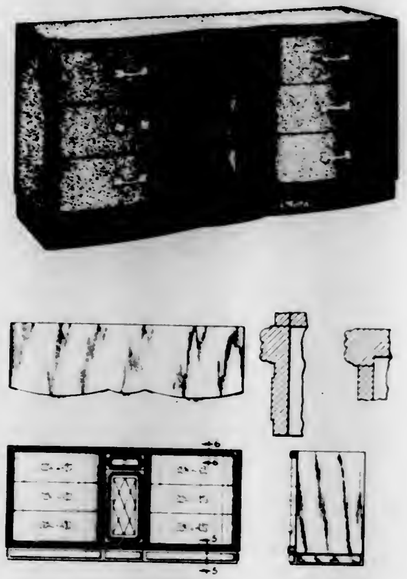
The ornamental design for a cross chain for tire chains, as shown.

162,490
COMBINED LUNCH KIT AND HANDBAG
Carl W. Sundberg, Birmingham, and Montgomery Ferar, Huntington Woods, Mich.
Application October 30, 1950, Serial No. 12,776
Term of patent 14 years
(Cl. D87—3)



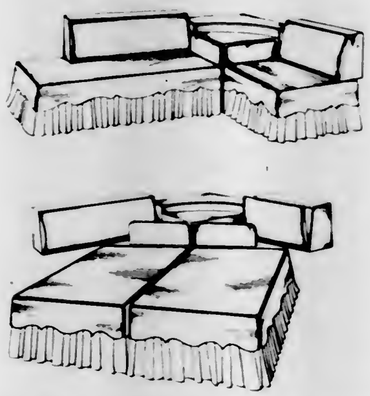
The ornamental design for a combined lunch kit and handbag, as shown.

162,491
DRESSER OR SIMILAR ARTICLE OF FURNITURE
Maxwell H. Sussman, Kew Gardens, N. Y.
Application June 4, 1949, Serial No. 3,059
Term of patent 3½ years
(Cl. D33—6)



The design for a dresser or similar article of furniture, substantially as shown and described.

162,492
CORNER FURNITURE UNIT
Emil Tarlazzi, Union City, N. J., assignor to Vanguard Furniture Manufacturers, New York, N. Y., a firm
Application August 27, 1949, Serial No. 4,725
Term of patent 14 years
(Cl. D15—11)



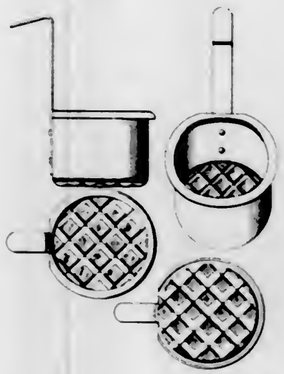
The ornamental design for a corner furniture unit, as shown and described.

162,493
FILE CABINET
Ernest Frederick Thomson, Tuckahoe, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio
Application October 29, 1949, Serial No. 5,789
Term of patent 7 years
(Cl. D33—19)



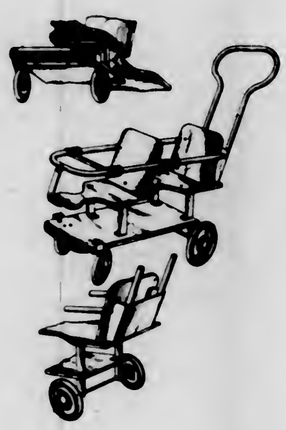
The ornamental design for a file cabinet, substantially as shown.

162,494
COASTER FOR BEVERAGE BOTTLES OR THE LIKE
Orville W. Thrailkill, Wellington, Kans.
Application June 22, 1949, Serial No. 3,449
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a coaster for beverage bottles or the like, substantially as shown.

162,495
TWIN BABY STROLLER
Roy Lane Trimble, Bloomington, Ill.
Application March 11, 1949, Serial No. 1,361
Term of patent 7 years
(Cl. D14—14)



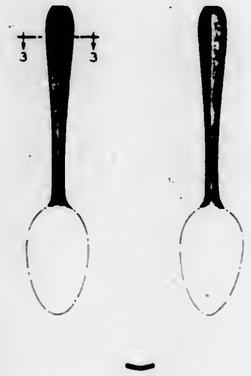
The ornamental design for a twin baby stroller, as shown.

162,496
SALT SHAKER OR SIMILAR ARTICLE
Marion Weeber, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application January 21, 1949, Serial No. 356
Term of patent 14 years
(Cl. D44—22)



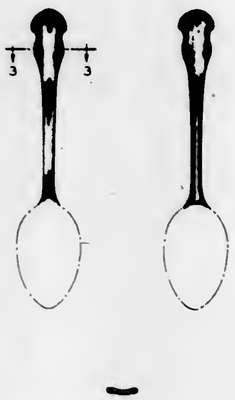
The ornamental design for a salt shaker or similar article, as shown.

162,497
SPOON OR SIMILAR ARTICLE OF FLATWARE
Marion Weeber, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application May 24, 1950, Serial No. 10,134
Term of patent 14 years
(Cl. D54—12)



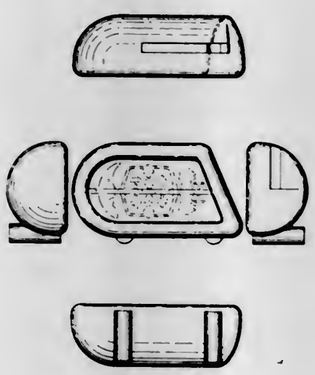
The ornamental design for a spoon or similar article of flatware, as shown and described.

162,498
SPOON OR SIMILAR ARTICLE OF FLATWARE
Marion Weeber, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application May 24, 1950, Serial No. 10,135
Term of patent 14 years
(Cl. D54—12)



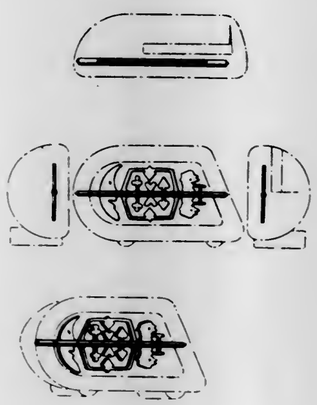
The ornamental design for a spoon or similar article of flatware, as shown and described.

162,499
TARGET
Robert O. Wesley, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application July 7, 1949, Serial No. 3,766
Term of patent 14 years
(Cl. D34—15)



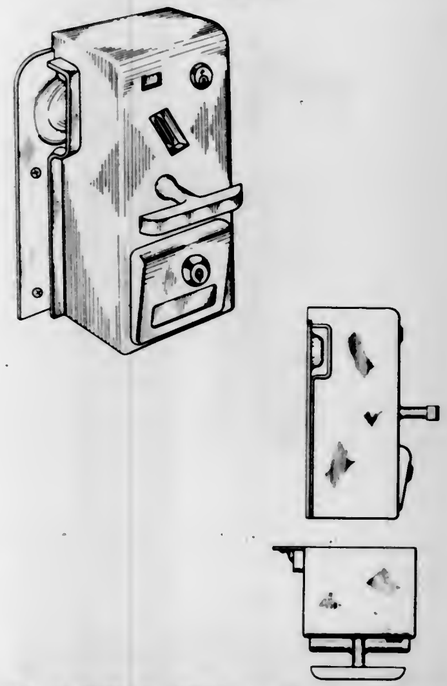
The ornamental design for a target, as shown and described.

162,500
TARGET
Robert O. Wesley, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application July 7, 1949, Serial No. 3,767
Term of patent 14 years
(Cl. D34—15)



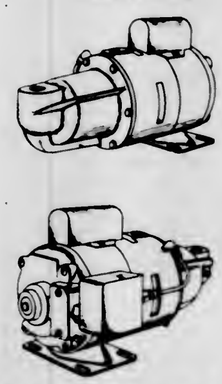
The ornamental design for a target, as shown and described.

162,501
COIN-CONTROLLED LOCK
Donald G. White, Vancouver, British Columbia, Canada
Application November 29, 1949, Serial No. 6,318
Term of patent 14 years
(Cl. D50—7)



The ornamental design for a coin-controlled lock, substantially as shown.

162,502
MOTOR-DRIVEN PUMP
George H. Zimmer, Jr., Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application October 18, 1950, Serial No. 12,613
Term of patent 7 years
(Cl. D65—1)



The ornamental design for a motor-driven pump, substantially as shown.

March 20, 1951 Volume 644 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A. G. fur Elektro-Akustik, Zurich, Switzerland. Auditory prothesis and hearing aids. Serial No. 552,851, Mar. 20. Class 44.

Adams-Millis Corporation: *See*—
Transparent Packings, Inc.

Aerolite Electronic Hardware Corp., Jersey City, N. J. Radio and television transmitting and receiving units and parts thereof. Serial No. 581,514, Mar. 20. Class 21.

Air Associates, Inc., Teterboro, N. J. Hydraulic accumulators. Serial No. 583,671, Mar. 20. Class 23.

Airline Foods Corporation: *See*—
Baron, H., & Co. Inc.

Airosol Company, Inc., Neodesha, Kans. Insecticides. Serial No. 596,698, Mar. 20. Class 6.

Air Reduction Company, Incorporated: *See*—
Wilson Welder and Metals Co., Inc.

Air-Shields, Inc., Hatboro, Pa. Portable humidification apparatus. Serial No. 587,782, Mar. 20. Class 44.

Akona Chemical Corporation, Anoka, Minn. Waterproof compositions. Serial No. 579,909, Mar. 20. Class 12.

Allied Confections, Inc., New York, N. Y. Candies. Serial No. 577,161, Mar. 20. Class 46.

Allison, Wm. M., & Co., New York, N. Y. Pistachio nuts. Serial No. 570,816, Mar. 20. Class 46.

All-Steel Equipment Inc., Aurora, Ill. Metal boxes. Serial No. 548,779, Mar. 20. Class 2.

Amalgamated Dental Company Limited, The, London, England. Dental appliances. Serial No. 572,146, Mar. 20. Class 44.

American Food Laboratories, Inc., Brooklyn, N. Y. Compound, powder or mix adapted for use in the manufacture of frozen-desserts. Serial No. 583,583, Mar. 20. Class 46.

American Heritage Foundation, The, Washington, D. C., and New York, N. Y. Booklets, pamphlets, circulars, etc. Serial No. 560,083, Mar. 20. Class 38.

American Silver Company, Inc., Flushing, N. Y. Gold filled and rolled gold plate. Serial No. 585,502, Mar. 20. Class 14.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Barbed wire. Serial No. 598,777, Mar. 20. Class 13.

American Tobacco Company, The, New York, N. Y. Cigarettes. Serial No. 567,230, Mar. 20. Class 17.

Amurol Products Co., Chicago, Ill. Chewing gum. Serial No. 597,313, Mar. 20. Class 46.

Anabolic Food Products, Inc., Glendale, Calif. Medicinal preparation. Serial No. 592,408, Mar. 20. Class 18.

Armstrong Cork Company, Lancaster, Pa. Nursing bottles. Serial No. 529,956, Mar. 20. Class 44.

Armstrong Cork Company, Lancaster, Pa. Machinery and machine parts. Serial No. 549,214, Mar. 20. Class 23.

Atlantic Steel Company, Atlanta, Ga. Metal angles and bars, etc. Serial No. 596,321, Mar. 20. Class 14.

Automatic Range Co., Inc., New York and Brooklyn, N. Y. Burners for cooking ranges. Serial No. 563,101, Mar. 20. Class 34.

Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Tubes. Serial No. 599,075, Mar. 20. Class 13.

Babson Bros. Co., Chicago, Ill. Vacuum testing apparatus. Serial No. 577,932, Mar. 20. Class 26.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. Serial No. 540,973, Mar. 20. Class 29.

Baker & Company, Incorporated, Newark, N. J. Electrical thermolytic apparatus. Serial No. 597,315, Mar. 20. Class 26.

Bal-Air Corporation, Nashville, Tenn. Electrically operated air conditioning and cooling unit. Serial No. 592,975, Mar. 20. Class 34.

Bamberger Broadcasting Service Incorporated: *See*—
General Teleradio, Inc.

Bard, C. R., Inc., Summit, N. J. Filiforms, followers, catheters, etc. Serial No. 559,272, Mar. 20. Class 44.

Baron, H., & Co. Inc., Linden, N. J., assignor to Airline Foods Corporation, New York, N. Y. Fruit preserves, jellies, and canned crushed fruits. Serial No. 531,641, Mar. 20. Class 46.

Bates Manufacturing Company, Lewiston, Maine. Men's outer shirts. Serial No. 579,963, Mar. 20. Class 39.

Bauer Alphabets Inc., New York, N. Y. Printing type. Serial No. 588,626, Mar. 20. Class 14.

Becker, A. C., Co., Chicago, Ill. Watches. Serial No. 577,699, Mar. 20. Class 27.

Belding Heminway Company, Inc., New York, N. Y. Ladies' slips. Serial No. 599,489, Mar. 20. Class 39.

Bellanca Aircraft Corporation, New Castle, Del. Airplanes and airplane structural parts. Serial No. 597,493, Mar. 20. Class 19.

Bischoff, Ernst, Co., Inc., Ivoryton, Conn. Pharmaceutical preparation. Serial No. 578,312-13, Mar. 20. Class 18.

Blum's, San Francisco, Calif. Candy. Serial No. 574,888, Mar. 20. Class 46.

Bols, Erven Lucas, Incorporated, Englewood, N. J. Gins and liqueurs. Serial No. 590,147, Mar. 20. Class 49.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial Nos. 596,828-9, Mar. 20. Class 39.

Bowers, Walter B., Brokerage Co., Kansas City, Mo. Contact actuated electronic elements. Serial No. 584,436, Mar. 20. Class 21.

Bowes, Arthur S., doing business as Arthur S. Bowes and Associates, Chicago, Ill. Ice cream cones. Serial No. 547,821, Mar. 20. Class 46.

Bowes, Arthur S., and Associates: *See*—
Bowes, Arthur S.

Boyd, William, Beverly Hills, Calif. Children's clothing, etc. Serial No. 592,977, Mar. 20. Class 39.

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 568,236, Mar. 20. Class 46.

Breon, George A., & Company, Kansas City, Mo. Medicinal preparation. Serial No. 597,193, Mar. 20. Class 18.

Briggs Manufacturing Co., Detroit, Mich. Metal mouldings for sinks. Serial No. 590,420, Mar. 20. Class 13.

Brittains, Limited, Cheddleton Paper Mills, near Leek, Staffordshire, England. Lithographic transfer paper. Serial No. 569,667, Mar. 20. Class 37.

Brown, Aldrich C., San Francisco, Calif. Clock-controlled, coin-actuated circuit. Serial No. 551,436, Mar. 20. Class 23.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley ball returns and parts thereof. Serial No. 594,306, Mar. 20. Class 22.

Buckman Laboratories, Inc., Memphis, Tenn. Bactericide. Serial No. 597,497, Mar. 20. Class 6.

C. P. Carburetor Products Company, Inc., doing business as Sherman Carburetor Parts Co., Indianapolis, Ind. Carburetor parts. Serial No. 567,556, Mar. 20. Class 23.

Calendater Company, The: *See*—
La Plante, Paul W.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 598,572, Mar. 20. Class 6.

Calo Dog Food Company, Inc., Oakland, Calif. Canned dog and cat food. Serial No. 579,733, Mar. 20. Class 46.

Campbell X-Ray Corporation, Boston, Mass. Electrical transformers. Serial No. 597,811, Mar. 20. Class 21.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. Serial Nos. 596,830-1, Mar. 20. Class 46.

Capehart-Farnsworth Corporation, Fort Wayne, Ind. Vision tubes. Serial No. 587,609, Mar. 20. Class 21.

Carey, Philip, Manufacturing Company, The, Lockland, Cincinnati, Ohio. Projection type bathroom accessories. Serial No. 557,255, Mar. 20. Class 13.

Carey, Philip, Manufacturing Company, The, Lockland, Cincinnati, Ohio. Heat insulating materials. Serial No. 592,869, Mar. 20. Class 12.

Central Soya Company, Inc., Fort Wayne, Ind. Stock feeds. Serial No. 572,944, Mar. 20. Class 46.

Centrotex, Prague, Czechoslovakia. Fabrics. Serial No. 580,579, Mar. 20. Class 42.

Century Engineering Corporation, Cedar Rapids, Iowa. Air washers, blower units, and humidifiers. Serial No. 533,436, Mar. 20. Class 34.

Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. Serial No. 596,712, Mar. 20. Class 39.

Chicago Accordion Center, Inc., Chicago, Ill. Grooved phonograph records. Serial No. 587,465, Mar. 20. Class 36.

Chicago Musical Instrument Co., Chicago, Ill. Accordions. Serial No. 592,876, Mar. 20. Class 36.

Chickasha Milling Company, Chickasha, Okla. Wheat flour. Serial No. 535,483, Mar. 20. Class 46.

Church, C. F., Mfg. Co., Willimansett, Chicopee, Mass. Bathroom fixtures. Serial No. 551,945, Mar. 20. Class 13.

Cifuentes y Compania, Habana, Cuba. Cigars. Serial No. 563,775, Mar. 20. Class 17.

"Circlo": *See*—
Guy, Albert G.

Citation Hats of Distinction: *See*—
Mid City Uniform Cap Co.

Clover Farm Stores Corporation, Cleveland, Ohio. Weekly periodical, and prepared advertising. Serial No. 592,982, Mar. 20. Class 38.

Colorado Tent and Awning Company, The, Denver, Colo. Creels for fishermen. Serial No. 563,518, Mar. 20. Class 22.

Columbia Cable & Electric Corporation, Brooklyn, N. Y. Armored electric cable and flexible steel conduits. Serial No. 596,483, Mar. 20. Class 21.

Concure Process Company: *See*—
Orr, W. H.

Coral Records, Inc., New York, N. Y. Phonographs. Serial No. 577,518, Mar. 20. Class 36.

Coroaire Heater Corporation, The, Cleveland, Ohio. Electrically operated air conditioning units, etc. Serial No. 583,143, Mar. 20. Class 34.

Corona Citrus Association, Corona, Calif. Fresh citrus fruit. Serial No. 537,567, Mar. 20. Class 46.

Cramer Chemical Co., The, Gardner, Kans. Hair oil, hair dressing, hand lotion, etc. Serial No. 589,956, Mar. 20. Class 51.

Cribben and Sexton Company, Chicago, Ill. Stoves, ranges, and hot-air furnaces. Serial No. 556,733, Mar. 20. Class 34.

Crompton Company, Crompton, R. I. Corduroy fabrics. Serial No. 568,837, Mar. 20. Class 42.

Crompton Company, Crompton, R. I. Velvet fabrics in the piece. Serial No. 580,050, Mar. 20. Class 42.

Cupid Ice Cream Co.: *See*—
Porter, Jesse W.

Dallas Hat Mfg. Co., Inc., Dallas, Tex. Women's and children's hats. Serial No. 593,111, Mar. 20. Class 39.

Deffner, Ernest, doing business as The Woodwind Company, New York, N. Y. Mouthpieces. Serial No. 543,280, Mar. 20. Class 36.

Delightform Foundations, Inc., Easton, Pa. Brassières and slips. Serial No. 597,819, Mar. 20. Class 39.

Dentists' Supply Company of New York, The, New York, N. Y. Dental waxes and dental wax compositions. Serial No. 543,148, Mar. 20. Class 44.

Dexdale Hosiery Mills, Lansdale, Pa. Hosiery. Serial No. 576,961, Mar. 20. Class 39.

Dicks, C. O., Co., Detroit, Mich. Gummed sheets of paper, etc. Serial No. 534,516, Mar. 20. Class 37.

Donaldson Brothers (Alloa 1937) Limited, Alloa, Scotland. Knitted fabric. Serial No. 592,984, Mar. 20. Class 42.

Donbobb Corporation, New York, N. Y. Hat bodies. Serial No. 595,496, Mar. 20. Class 39.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dye developing agents. Serial No. 597,198, Mar. 20. Class 6.

Dura-Wear Products Corporation, Newark, N. J. Tablecloths, tablecloth covers, ruffled curtains, etc. Serial No. 574,759, Mar. 20. Class 42.

E & J Manufacturing Co., Glendale, Calif. Resuscitator bassinet. Serial No. 575,396, Mar. 20. Class 44.

Echelon Company, Los Angeles, Calif. Games and toys. Serial No. 590,305, Mar. 20. Class 22.

Eckert, William G., doing business under the name Quadson Instrument Company, Los Angeles, Calif. Electrically operated physio-therapy machines. Serial Nos. 596,989–90, Mar. 20. Class 44.

Edmont Manufacturing Company, Coshocton, Ohio. Work gloves. Serial No. 599,505, Mar. 20. Class 39.

Electric Sorting Machine Company, Grand Rapids, Mich. Repairing, adjusting and maintaining apparatus. Serial No. 575,699, Mar. 20. Class 103.

Eljan Dental Products Co., Chicago, Ill. Platinum alloy used in casting dentures. Serial No. 582,034, Mar. 20. Class 44.

Europa Commerce Incorporated, New York, N. Y. Lever corkscrew. Serial No. 583,684, Mar. 20. Class 23.

Eutectic Welding Alloys Corporation, New York, N. Y. Metallic welding rods. Serial No. 598,900, Mar. 20. Class 14.

F. D. S. Manufacturing Company, also doing business as F-D-S Manufacturing Company, Inc., Pomona, Calif. Ventilated cushion-like pads. Serial No. 596,904, Mar. 20. Class 37.

F-D-S Manufacturing Company, Inc.: *See*—
F. D. S. Manufacturing Company.

Fair Lawn Finishing Company, Fair Lawn, N. J. Scouring, dyeing, singeing, heat setting, etc., of textile fabrics. Serial No. 544,715, Mar. 20. Class 106.

Farley Manufacturing Company, Chicago, Ill. Candy. Serial No. 529,619, Mar. 20. Class 46.

Farm Belt Fertilizer and Chemical Company, Kansas City, Kans. Prepared chemical fertilizer. Serial No. 595,660, Mar. 20. Class 10.

Flowerwood, Inc., Crystal Lake, Ill. Natural flowers and floral displays. Serial No. 577,879, Mar. 20. Class 1.

Forest City Manufacturing Company, St. Louis, Mo. Outer wearing apparel. Serial No. 584,057, Mar. 20. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 595,200, Mar. 20. Class 42.

Freed, Milton, doing business as The Milfred Company, Pittsburgh, Pa. Insect spray. Serial No. 597,264, Mar. 20. Class 6.

Fulham Brothers, Inc., Boston, Mass. Frozen fish. Serial No. 557,126, Mar. 20. Class 46.

Fuller Brush Company, The, Hartford, Conn. Sonpless detergent. Serial No. 573,243, Mar. 20. Class 52.

Gamble-Skogmo, Inc., Minneapolis, Minn. Portable ice boxes. Serial No. 598,249, Mar. 20. Class 31.

Geary Chemical Corp., New York, N. Y. Organic phosphate systemic insecticide. Serial No. 598,177, Mar. 20. Class 6.

General Aniline & Film Corporation, New York and Binghamton, N. Y. Photographic chemicals. Serial No. 597,747, Mar. 20. Class 6.

General Dyestuff Corporation, New York, N. Y. Dyestuffs. Serial No. 598,466, Mar. 20. Class 6.

General Motors Corporation, Detroit, Mich. Oil burners and parts thereof. Serial No. 592,562, Mar. 20. Class 34.

General Teleradio, Inc., Carteret, N. J., by change of name from Bamberger Broadcasting Service Incorporated. Home making advice, party hints, etc. Serial No. 558,688, Mar. 20. Class 107.

Germack, John N., doing business under the name Zenobia Company, assignor to John N. Germack, doing business as Zenobia Company, New York, N. Y. Roasted, salted nuts. Serial No. 561,430, Mar. 20. Class 46.

Gits Molding Corporation, Chicago, Ill. Plastic transparent or semi-transparent bodies. Serial No. 596,789, Mar. 20. Class 50.

Glensder Textile Corp., New York, N. Y. Ladies' and children's scarfs, handkerchiefs, hats and hoods. Serial No. 591,032, Mar. 20. Class 39.

Golden Fleece Tissue Mills, Inc., New York, N. Y. Facial tissues. Serial No. 597,395, Mar. 20. Class 37.

Goldring Inc., New York, N. Y. Hosiery. Serial No. 594,121, Mar. 20. Class 39.

Goodco Shirt Corporation, New York, N. Y. Men's and boys' dress and negligee shirts. Serial Nos. 589,311–12, Mar. 20. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Waterproofed fabrics. Serial No. 588,022, Mar. 20. Class 42.

Grace Corset Company, Kalamazoo, Mich. Corsets, girdles, brassières, etc. Serial No. 540,275, Mar. 20. Class 39.

Granat Bros., San Francisco, Calif. Watches. Serial No. 599,759, Mar. 20. Class 27.

Greenbaum, J. Tanning Co., Chicago, Ill. Leather. Serial No. 529,053, Mar. 20. Class 1.

Griggs, Cooper & Company, St. Paul, Minn. Cream tartar and bluing. Serial No. 592,485, Mar. 20. Class 6.

Griggs, Cooper & Company, St. Paul, Minn. Cream tartar and bluing. Serial No. 592,809, Mar. 20. Class 6.

Guillet, Rouyer, & Cie., Saintes (Charente-Maritime), France. Cognacs and Brandies. Serial No. 553,983, Mar. 20. Class 49.

Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. Serial No. 571,428, Mar. 20. Class 46.

Guy, Albert G., doing business as "Circlo," Raleigh, N. C. Board game. Serial No. 578,142, Mar. 20. Class 22.

Haddican, George F., Delano, Calif. Pipe fittings. Serial No. 581,187, Mar. 20. Class 13.

Hajoca Corporation, Philadelphia, Pa. Oil burner heating units. Serial No. 566, 138, Mar. 20. Class 34.

Hamilton, Anthony, doing business under the name of 19 Forty-Niner Co., Jersey City, N. J. Table game. Serial No. 593,726, Mar. 20. Class 22.

Hancock Tool Manufacturing Company, Philadelphia, Pa. Cutting tools. Serial No. 562,556, Mar. 20. Class 23.

Hand Knit Hosiery Company, Sheboygan, Wis. Knitted wearing apparel. Serial No. 597,205, Mar. 20. Class 39.

Hardgrave, Walter H., Albuquerque, N. Mex. Weatherstrips. Serial No. 600,479, Mar. 20. Class 12.

Harrison & Jarboe, Sherwood, Md. Canned vegetables. Serial No. 587,027–8, Mar. 20. Class 46.

Hartex Distributing Co., Forest Hills, N. Y. Sewing machines and sewing machine parts. Serial No. 581,663, Mar. 20. Class 23.

Hartley, Grace E., Baxter Springs, Kans. Bottled salad dressing. Serial No. 598,013, Mar. 20. Class 46.

Hat Corporation of America, Norwalk, Conn. Articles of wearing apparel and dress accessories for men. Serial No. 588,088, Mar. 20. Class 39.

Hawk Model Company, Chicago, Ill. Kits containing parts for the construction of model aircraft, etc. Serial No. 590,082, Mar. 20. Class 22.

Hercatine Products, Stockton, Calif. Liquid cleaner. Serial No. 552,057, Mar. 20. Class 4.

Hercules Steel Products Corporation, Galion, Ohio, doing business as Star Manufacturing Company, St. Louis, Mo. Electrically operated food conditioning appliances. Serial No. 601,673, Mar. 20. Class 21.

Hi-Line Co., Inc., New York, N. Y. Children's, boys', girls', misses', and women's apparel. Serial No. 576,409, Mar. 20. Class 39.

Horowitz, Irving, doing business as Post Trading Co., Los Angeles, Calif. Cookies. Serial No. 510,391, Mar 20. Class 46.

Horowitz, Isadore, doing business under the trade name of Universal Manufacturing Company, Bossier City, La. Playground equipment. Serial No. 587,953, Mar. 20. Class 22.

Huber, J. M., Corporation, Locust, N. J., and New York, N. Y. Carbon black having a variety of industrial uses. Serial No 542,408, Mar. 20. Class 6.

Hudnut, Richard, New York, N. Y. Cosmetic kits. Serial No. 579,419, Mar. 20. Class 51.

Hunter Spring Company, Lansdale, Pa. Springs. Serial No. 584,062, Mar. 20. Class 13.

Hutchinson Candies, Inc., San Francisco, Calif. Candy bars. Serial No. 597,884, Mar. 20. Class 46.

Hyman, Julius, & Company, Denver, Colo. Insecticides. Serial No. 591,035, Mar. 20. Class 6.

Illinois Gear & Machine Company, Chicago, Ill. Roller and silent chain sprockets, etc. Serial No. 565,269-70, Mar. 20. Class 23.

Imperial Chemical Industries Limited, London and Millbank, London, England. Unwrought and partly wrought non-ferrous metals. Serial No. 594,782, Mar. 20. Class 14.

"Indian Rock Orchard Co.": *See*—
Indian Rock Ranch Co.

Indian Rock Ranch Co., doing business as "Indian Rock Orchard Co.," Grand Junction and Bridgeport, Colo. Fresh peaches. Serial No. 521,075, Mar. 20. Class 46.

Insulation Manufacturers Corporation, Chicago, Ill. Electrical insulating material. Serial No. 600,054, Mar. 20. Class 21.

Interchemical Corporation, New York, N. Y. Typewriter accessory. Serial No. 582,838, Mar. 20. Class 37.

International Chemical Company Limited, London England. Cleansing toilet lotions. Serial No. 592,568, Mar 20. Class 51.

Iso-Sol Company, The, Brooklyn, N. Y. Ophthalmological preparations. Serial No. 572,502, Mar. 20. Class 18.

Jaques, John & Son Limited, Thornton Heath, England. Chessmen. Serial No. 564,451, Mar. 20. Class 22.

Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America, The, Indianapolis, Ind. Cutting of hair, shampooing of hair, shaving, etc. Serial No. 550,006, Mar. 20. Class 100.

Juliette Originals, Minneapolis, Minn. Women's dresses. Serial No. 581,134, Mar. 20. Class 39.

Junior League Frocks, Inc., New York, N. Y. Women's dresses. Serial No. 599,178, Mar. 20. Class 39.

Kaiser-Frazer Corporation, Willow Run, Mich. Passenger automobiles. Serial No. 597,210, Mar. 20. Class 19.

Kansas Egg & Poultry Co., Hillsboro, Kans. Fresh eggs, frozen eggs and dried eggs. Serial No. 561,364, Mar. 20. Class 46.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments, etc. Serial No. 525,872, Mar. 20. Class 26.

Kingsley Flour Company: *See*—
Kingsley, Leon G.

Kingsley, Leon G., doing business under the trade name Kingsley Flour Company, New York, N. Y. Wheat flour. Serial No. 571,808, Mar. 20. Class 46.

Kinsey Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. Serial No. 559,979, Mar. 20. Class 49.

Kirchhoff, August C., & Co., Chicago, Ill. Cheese. Serial No. 598,915, Mar. 20. Class 46.

Kline Brothers Co., New York, N. Y. Children's and infants' silk, cotton, wool, and rayon coats and dresses. Serial No. 595,323, Mar. 20. Class 39.

Koninklijke Stoomweverij te Nijverdal N. V., Almelo, Holland. Cotton drapery piece goods. Serial No. 593,357, Mar. 20. Class 42.

Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 580,415, Mar. 20. Class 46.

La Plante, Paul W., doing business as Mystic Novelties Sales Company and as The Calendater Company, Medford and Boston, Mass. Perpetual calendars. Serial No. 594,049, Mar. 20. Class 37.

La Primadora Cigar Corporation, New York, N. Y. Cigars. Serial No. 562,784, Mar. 20. Class 17.

Lawrens, F., Manufacturing Co.: *See*—
Lawrens, Frederich H.

Lawrens, Frederich H., doing business as F. Lawrens Manufacturing Co., Dallas, Tex. Trotlines, trotline reels and trotline staging attachments. Serial No. 594,050, Mar. 20. Class 22.

Leeming, Thos., & Co., Inc., New York, N. Y. Antipruritic ointment. Serial No. 597,280, Mar. 20. Class 18.

Lipson, Charles, Co., Philadelphia, Pa. Candy mints. Serial No. 529,061, Mar. 20. Class 46.

Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Sweaters, mufflers, apparel wristlets, etc. Serial No. 596,349, Mar. 20. Class 39.

Lubin-Weeker Co., Inc., New York, N. Y. Men's and boys' pajamas. Serial No. 567,082, Mar. 20. Class 39.

Lush Julep Blenders, Kansas City, Kans. Maltless soft drinks. Serial No. 562,614, Mar. 20. Class 45.

M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio. Dessert food mix. Serial No. 595,272, Mar. 20. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Men's and boys' suits and overcoats, sweaters; etc. Serial No. 589,939, Mar. 20. Class 39.

Maison E. H. Glass, Inc., New York, N. Y. Canned and bottled fruits, mushrooms, and asparagus, etc. Serial No. 524,703, Mar. 20. Class 46.

Malamut & Chanen, Philadelphia, Pa. Textile ribbon. Serial No. 578,605, Mar. 20. Class 42.

Manley, Inc., Kansas City, Mo. Raw and popped popcorn. Serial No. 569,166, Mar. 20. Class 46.

Maryland Import Company, Chicago, Ill. Brandy. Serial No. 581,560, Mar. 20. Class 49.

McKay Products Corporation, The, New York, N. Y. Combination slip and blouse, and ladies' underwear. Serial No. 598,427, Mar. 20. Class 39.

McNair, Robert, Shingle Company Limited, The, Vancouver, British Columbia, Canada. Cedar shakes. Serial No. 574,368, Mar. 20. Class 12.

McRoberts Industries, Inc., Chicago, Ill. Hydraulic lift trailers. Serial No. 598,195, Mar. 20. Class 19.

Mercantile Machine & Mfg. Co., Inc., Brooklyn, N. Y. Plastic party picks. Serial No. 591,632, Mar. 20. Class 44.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,647, Mar. 20. Class 39.

Mid City Uniform Cap Co., doing business under the name of Citation Hats of Distinction, Chicago, Ill. Men's hats. Serial No. 596,615, Mar. 20. Class 39.

Mid City Uniform Cap Company, Chicago, Ill. Uniform caps. Serial No. 594,484, Mar. 20. Class 39.

Milfred Company, The: *See*—
Freed, Milton.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflecting sheeting. Serial No. 587,042, Mar. 20. Class 50.

Mirror Bright Polish Co., assignor to Mirror Bright Polish Co., Pasadena, Calif. Finish coating sealers and glazers, etc. Serial No. 578,935, Mar. 20. Class 16.

Mitchell, Kathryn E., Boise, Idaho. Children's and men's pants and ladies' slacks. Serial No. 588,874, Mar. 20. Class 39.

Monarch Aluminum Mfg. Company, Cleveland, Ohio. Cast aluminum washing machine agitators. Serial No. 592,825, Mar. 20. Class 24.

Monarch Metal Products, Inc., Mount Vernon, N. Y. Filing cabinets, mechanics stools, stock racks, etc. Serial No. 535,984, Mar. 20. Class 32.

Monarch Petroleum Products, Columbus, Ohio. Petroleum base lubricating oils and greases. Serial No. 594,329, Mar. 20. Class 15.

Morest Manufacturing Company: *See*—
Wood, William M.

Mother Kern's Products, Inc., Chicago, Ill. Mustard. Serial No. 558,576, Mar. 20. Class 46.

Mystic Novelties Sales Company: *See*—
La Plante, Paul W.

National Cash Register Company, The, Dayton, Ohio. Adding, listing, and calculating machines. Serial No. 578,402, Mar. 20. Class 26.

National Lead Company, Sayreville, N. J., and New York, N. Y. Organophilic bentonite. Serial No. 593,494, Mar. 20. Class 1.

National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 594,805, Mar. 20. Class 42.

National Plastic Products Company, The, Odenton, Md. Thermoplastic moldings and thermoplastic extrusions. Serial No. 583,167, Mar. 20. Class 1.

National Twist Drill & Tool Co.: *See*—
Winter Brothers Company.

Nettee Packing Company, Chicago, Ill. Potted meat, bulk sausage, and Vienna sausage. Serial No. 587,815, Mar. 20. Class 46.

19 Forty-Niner Co.: *See*—
Hamilton, Anthony.

Nippert Electric Products Company, The, Columbus, Ohio. Commutators for electric motors and generators. Serial No. 558,412, Mar. 20. Class 21.

Nopco Chemical Company, Harrison, N. J. Insecticide emulsifier. Serial No. 598,099, Mar. 20. Class 6.

Norris Inc., Atlanta, Ga. Candy. Serial No. 561,032, Mar. 20. Class 46.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Antiseptic aural analgesic. Serial No. 607,513, Mar. 20. Class 18.

Olympic Foundry Company, Seattle, Wash. Grate bars. Serial No. 579,753, Mar. 20. Class 34.

Ontario Paper Company Limited, The, Thorold, Ontario, Canada. Aqueous solution. Serial No. 584,343, Mar. 20. Class 6.

Orr, W. H., doing business under the style and trade name of Concure Process Company, Van Nuys, Calif. Powdered preparation to be mixed with water for coating all types of granular composition roofing. Serial No. 588,423, Mar. 20. Class 12.

Pabst Brewing Company, Chicago, Ill. Desizing agent. Serial No. 598,596, Mar. 20. Class 6.

Parfums Evyan Co.: *See*—
Parfums Evyan Inc.

Parfums Evyan Inc., New York, N. Y., assignee of E. Westall, doing business as Parfums Evyan Co. Perfume, toilet water and cologne. Serial No. 503,145, Mar. 20. Class 51.

Park Laboratory Co., Inc., San Antonio, Tex. Chocolate flavored milk of magnesia. Serial No. 575,784, Mar. 20. Class 18.

Paterson, Stanley C., Boston, Mass. Oil burners. Serial No. 561,262, Mar. 20. Class 34.

Pay Way Feed Mills, Inc., Kansas City, Mo. Medical preparation. Serial No. 592,931, Mar. 20. Class 18.

Peabody Coal Company, Chicago, Ill. Coal. Serial No. 597,838, Mar. 20. Class 1.

Pedler Company, Inc., The, Elkhart, Ind. Clarinets, flutes, piccolos, etc. Serial No. 579,206, Mar. 20. Class 36.

Perk Dog Food Co., doing business under the style of Perk Foods Co., Chicago, Ill. Canned horse meat. Serial No. 596,625, Mar. 20. Class 46.

Perk Foods Co.: *See*—
Perk Dog Food Co.

Permo, Incorporated, Chicago, Ill. Magnetic sound recording media. Serial No. 587,500, Mar. 20. Class 21.

Petersen Mfg. Co.: *See*—
Petersen Manufacturing Company, Inc.

Petersen Manufacturing Company, Inc., doing business as Petersen Mfg. Co., Dewitt, Nebr. Sheet metal bending tool. Serial No. 580,508, Mar. 20. Class 23.

Peterson Enterprises Inc., New York, N. Y. Portable metal vessel. Serial No. 565,384, Mar. 20. Class 2.

Philadelphia Bronze & Brass Corporation, Philadelphia, Pa. Copper alloy castings and forgings. Serial No. 587,968, Mar. 20. Class 14.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparations. Serial No. 596,685, Mar. 20. Class 18.

Pinfree Mfg. Co., Inc., Boston, Mass. Children's and infants' garments. Serial No. 550,343, Mar. 20. Class 39.

Porter, Jesse W., doing business as Cupid Ice Cream Co., Greensboro, Md. Ice cream. Serial No. 538,811, Mar. 20. Class 46.

Post Trading Co.: *See*—
Horowitz, Irving.

Proctor Electric Company, Philadelphia, Pa. Ironing tables. Serial No. 588,653, Mar. 20. Class 24.

Professional Products & Equipment Limited, Saint John, New Brunswick, Canada. Liquid medicine. Serial No. 558,318, Mar. 20. Class 18.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Metal castings, forgings and metal stampings. Serial No. 562,151, Mar. 20. Class 14.

Puro-Seal Company, The, Cleveland, Ohio. Flux for the purification of metals. Serial No. 568,661, Mar. 20. Class 6.

Quadson Instrument Company: *See*—
Eckert, William G.

Quercia, Marcel, Paris, France. Pyrophoric cigar and/or cigarette lighters and parts thereof, etc. Serial No. 538,562, Mar. 20. Class 8.

Radio Corporation of America, New York, N. Y. Installation of and periodical inspection and repair of television receivers. Serial No. 586,362, Mar. 20. Class 103.

Ram, Incorporated, Detroit, Mich. Ceramic molds. Serial No. 574,923, Mar. 20. Class 30.

Ram, Incorporated, Detroit, Mich. Ceramic molds. Serial No. 588,144, Mar. 20. Class 30.

Ratigan, J. P., Inc., Los Angeles, Calif. Oil well equipment. Serial No. 550,951, Mar. 20. Class 23.

Resnick, Joseph, Co., Inc., Elizabeth, N. J. Boys' wash suits, sun suits, slacks, etc. Serial No. 509,373, Mar. 20. Class 39.

Richardson Company, The, Lockland, Cincinnati, Ohio. Laminated resinous materials. Serial No. 589,394, Mar. 20. Class 1.

Rife-Loth Corporation, Waynesboro, Va. Door stops, door knockers, foot scrapers, etc. Serial No. 586,014, Mar. 20. Class 13.

Ristorcelli, Theodore, New York, N. Y. Prepared sauce. Serial No. 580,204, Mar. 20. Class 46.

Rockwell-Barnes Company, Chicago, Ill. Paper rolls. Serial No. 550,262, Mar. 20. Class 37.

Rose & Blairman Limited, London, England. Dresses, ladies' suits, blouses, knitted suits, etc. Serial No. 592,844, Mar. 20. Class 39.

Rose Packing Company, Inc., Chicago, Ill. Canned ham, smoked ham, bulk pure pork sausage, etc. Serial No. 563,527, Mar. 20. Class 46.

Rovira & Compania, S. en C., Santiago de Cuba, Oriente, Cuba. Rum and anise liquor. Serial No. 586,821, Mar. 20. Class 49.

Safeway Stores, Incorated, Oakland, Calif. Cheese. Serial No. 564,655, Mar. 20. Class 46.

Sandoz Chemical Works, Inc., New York, N. Y. Chemical preparation. Serial No. 598,814, Mar. 20. Class 6.

Schenley Distillers, Inc., New York, N. Y. Whiskey. Serial No. 590,707, Mar. 20. Class 49.

Schering Corporation, Bloomfield, N. J. Pharmaceutical preparation. Serial No. 597,232, Mar. 20. Class 18.

Schering Corporation, Bloomfield, N. J. Emulsion of hormones. Serial No. 597,233, Mar. 20. Class 18.

Schultz, Baujan & Co., Beardstown, Ill. Wheat flour, cake flour, corn meal, etc. Serial No. 520,420, Mar. 20. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 595,161, Mar. 20. Class 42.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial No. 601,951, Mar. 20. Class 17.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Penicillin preparation. Serial No. 581,295, Mar. 20. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Sulfonamide suspension. Serial No. 597,356, Mar. 20. Class 18.

Sherman Carburetor Parts Co.: *See*—
C. P. Carburetor Products Company, Inc.

Siler City Mills, Inc., The, Siler City, N. C. Poultry feed. Serial No. 572,697, Mar. 20. Class 46.

Sifroux Incorporated, New York, N. Y. Cleansing tissues. Serial No. 597,470, Mar. 20. Class 37.

Smira, W. H., & Son, Inc., Providence, R. I. Pickles, chopped pickle relishes, etc. Serial No. 563,875, Mar. 20. Class 46.

Smith-Dorsey Company, The, Lincoln, Nebr. Antacid and adsorbent preparations. Serial No. 598,048, Mar. 20. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial No. 597,705, Mar. 20. Class 18.

Smith, Robert E., New York, N. Y. Toy animals. Serial No. 597,706, Mar. 20. Class 22.

Southern Laboratories, Inc., Macon, Ga. Liquid medical preparation. Serial No. 576,234, Mar. 20. Class 18.

Southwest Cracker Company, The, Wichita, Kans. Crackers. Serial No. 542,674, Mar. 20. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. Serial No. 595,919, Mar. 20. Class 18.

Stuhlwood Toy Mfg. Co., Inc., New York, N. Y. Infants' and children's toys. Serial No. 595,009, Mar. 20. Class 22.

Standard Cap and Seal Corporation, Chicago, Ill. Coated paper. Serial No. 585,771, Mar. 20. Class 37.

Star Dental Mfg. Co., Inc.: *See*—
Star Dental Manufacturing Co., Inc., The.

Star Dental Manufacturing Co., Inc., The (also known as Star Dental Manufacturing Company, Inc., Star Dental Manufacturing Co., Inc., and Star Dental Mfg. Co., Inc.), Philadelphia, Pa. Dental abrading disks. Serial No. 597,708, Mar. 20. Class 44.

Star Dental Manufacturing Co., Inc.: *See*—
Star Dental Manufacturing Co., Inc., The.
Star Dental Manufacturing Company, Inc., The.

Star Manufacturing Company: *See*—
Hercules Steel Products Corporation.

Stauffer Chemical Company, San Francisco, Calif. Insecticides and fungicides. Serial No. 535,269, Mar. 20. Class 6.

Stech Medicine Co., Dayton, Ohio. Ointment, laxatives, etc. Serial No. 587,915, Mar. 20. Class 18.

Strong Cobb & Company, Inc., Cleveland, Ohio. Vitamin concentrate. Serial No. 595,860, Mar. 20. Class 18.

Suffolk Peanut Company, The, Suffolk, Va. Raw unshelled peanuts. Serial No. 605,378, Mar. 20. Class 46.

Swann-Abram Hat Company, Inc., Louisville, Ky. Men's hats and caps. Serial No. 594,153, Mar. 20. Class 39.

Swift, M., & Sons, Inc., Hartford, Conn. Metallic leaf and metallic leaf decalcomanias. Serial No. 592,583. Mar. 20. Class 14.

Swift, M., & Sons, Inc., Hartford, Conn. Metallic leaf and metallic leaf decalcomanias. Serial No. 595,427. Mar. 20. Class 14.

Sylvania Electric Products Inc., New York, N. Y. Mechanical pencils. Serial No. 597,360, Mar. 20. Class 37.

Ten-B-Low Company: *See*—
M & R Dietetic Laboratories, Inc.

Texas Distributing Company, Dallas, Tex. Transmission lubricants and hydraulic oils. Serial No. 561,537, Mar. 20. Class 15.

Thermo Electric Manufacturing Company, Dubuque, Iowa. Temperature controllers, etc. Serial No. 552,287, Mar. 20. Class 26.

Transparent Packings, Inc., Greensboro, assignor to Adams-Millis Corporation, High Point, N. C. Hosiery for women and girls. Serial No. 594,871, Mar. 20. Class 39.

Turlock Co-Operative Growers, Modesto, Calif. Canned fruits. Serial No. 510,814, Mar. 20. Class 46.

Ubiko Milling Company, The, St. Bernard, Ohio. Livestock feed. Serial No. 567,815, Mar. 20. Class 46.

Ulmer Pharmacal Company.: *See*—
Physicians and Hospitals Supply Company, Inc.

Umatilla Fruit Company, The, Umatilla, Fla. Fresh citrus fruits. Serial No. 597,364, Mar. 20. Class 46.

United States Rubber Company, New York, N. Y. Ring shaped cushion for hospital use, and operating table pads. Serial No. 578,059, Mar. 20. Class 44.

Universal Manufacturing Company: *See*—
Horowitz, Isadore.

Valcourt Hosiery Corporation, New York, N. Y. Knitted goods. Serial No. 522,520, Mar. 20. Class 42.

Van Camp Sea Food Co., Inc., Terminal Island, Calif. Canned tuna fish. Serial No. 522,477, Mar. 20. Class 46.

Wade-Youmans Company, The, Alliance, Ohio. Household fans and electric food whipper mixers. Serial No. 577,501, Mar. 20. Class 21.

Waldron, B. R., & Sons Company, Califon, N. J. Fluid milk. Serial No. 566,372, Mar. 20. Class 46.

Walgreen Co., Chicago, Ill. Restaurant, soda fountain, and pharmaceutical prescription services. Serial No. 541,236, Mar. 20. Class 100.

Ward, M. L., Mfg. Co.: *See*—
Ward, Martha L.

Ward, Martha L., doing business as M. L. Ward Mfg. Co., Philadelphia, Pa. Party service kits. Serial No. 574,067, Mar. 20. Class 50.

Webster, William A., Company, The, Memphis, Tenn. Laxative preparation. Serial No. 590,200, Mar. 20. Class 18.

Weiner, Martin, doing business under the firm name and style of Martin Weiner Co., New York, N. Y. Rayon and nylon fabrics in the piece. Serial No. 594,346. Mar. 20. Class 42.

Weiner, Martin Co.: *See*—
Weiner, Martin.

Weitz, S., & Co., Inc., Cleveland, Ohio. Women's and misses', boys', youths' and men's raincoats, topcoats and overcoats. Serial No. 596,210, Mar. 20. Class 39.

Westall, Evelyn: *See*—
Parfums Evyan Inc.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. Serial No. 565,394, Mar. 20. Class 104.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. Serial No. 567,936, Mar. 20. Class 104.

Whitney, F. A., Carriage Company, Leominster, Mass. Baby carriages. Serial No. 598,228, Mar. 20. Class 19.

Wilson Welder and Metals Co., Inc., New York, N. Y., now by merger Air Reduction Company, Incorporated. Metal welding electrodes. Serial No. 569,179, Mar. 20. Class 14.

Winter Brothers Company, Wrentham, Mass., and Rochester, Mich., assignor to National Twist Drill & Tool Co., Rochester, Mich. Taps and dies for forming screw threads. Serial No. 505,466, Mar. 20. Class 21.

Witty Brothers Inc., New York, N. Y. Men's clothing. Serial No. 590,771, Mar. 20. Class 39.

Wood, William M., trading and doing business as Morest Manufacturing Company, Spartanburg, S. C. Medicine for temporary relief of bronchial spasms and asthma. Serial No. 597,800, Mar. 20. Class 18.

Woodwind Company, The: *See*—
Deffner, Ernest.

Yale & Towne Manufacturing Company, The, New York, N. Y. Motorized hand lift trucks. Serial No. 538,337, Mar. 20. Class 23.

Yale & Towne Manufacturing Company, The, New York, N. Y. Mechanical chain hoists. Serial No. 555,717, Mar. 20. Class 23.

Zaun, William H., New York, N. Y. Dresses and playwear. Serial No. 578,306, Mar. 20. Class 39.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 575,235, Mar. 20. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 576,731, Mar. 20. Class 21.

Zenobia Company: *See*—
Germack, John N.

LIST OF REGISTRANTS OF TRADE-MARKS

Aircraft-Marine Products Inc., Harrisburg, Pa. Self-aligning terminal stop for use with crimping tools. 539,618, Mar. 20; Serial No. 577,768, published Nov. 14, 1950. Class 23.

Airline Foods Corporation: *See*—
Baron, H., & Co., Incorporated.

Altman, B., & Co., New York, N. Y. Floor wax and furniture wax. 539,578, Mar. 20; Serial No. 570,160, published Dec. 19, 1950. Class 16.

American Chemical Society, Washington, D. C. Periodical. 539,643, Mar. 20; Serial No. 582,811, published Dec. 26, 1950. Class 38.

American Dental Trade Association, Washington, D. C. Monthly trade publication. 278,844, renewed Dec. 30, 1950. O. G. Mar. 20. Class 38.

American Human Air Goods Co., Inc., Chicago, Ill. Hair nets. 539,571, Mar. 20; Serial No. 567,167, published Dec. 26, 1950. Class 39.

American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Pencils. 280,470, renewed Feb. 17, 1951. O. G. Mar. 20. Class 37.

American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa. Children's sand boxes and play pools, etc. 539,703, Mar. 20; Serial No. 590,925, published Nov. 21, 1950. Class 22.

American Metal Specialties Corporation: *See*—
American Metal Specialties Corp.

American Products Company: *See*—
Gibson Packing Company.

American Tractor Corporation, New York, N. Y. Tractors. 539,691, Mar. 20; Serial No. 589,061, published Nov. 14, 1950. Class 23.

Anderson, V. D., Company, The, Cleveland, Ohio. Mechanical presses, dryers, screening or settling tanks, etc. 539,693, Mar. 20; Serial No. 589,370, published Dec. 5, 1950. Class 23.

Architectural Procelain Constructors, Oakland, Calif. Porcelain coated metal panels and veneer for building surfaces. 539,612, Mar. 20; Serial No. 576,613, published Dec. 26, 1950. Class 12.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Liquid skin creme preparation. 539,676, Mar. 20; Serial No. 587,843, published Dec. 5, 1950. Class 51.

Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Cheese food spread. 539,492, Mar. 20; Serial No. 532,192, published Dec. 19, 1950. Class 46.

Armour and Company, Chicago, Ill. Fresh carcass meats; cured meats; fresh and cured sausages and canned sausages; etc. 539,557, Mar. 20; Serial No. 563,150, published June 20, 1950. Class 46.

Armour Creameries: *See*—
Armour and Company.

Armstrong Cork Company, Lancaster, Pa. Publications. 539,644, Mar. 20; Serial No. 582,812, published Dec. 26, 1950. Class 38.

Aronab Products Co., San Francisco, Calif. Prophylactic membraneous articles. 539,746, Mar. 20; Serial No. 558,617. Class 44.

Ash, Edward A., doing business as Eddie Ash's Homestead Groves, Goulds, Fla. Fresh deciduous fruits. 539,669, Mar. 20; Serial No. 587,524, published Dec. 19, 1950. Class 46.

Ash, Edward A., doing business as Eddie Ash's Homestead Groves, Goulds, Fla. Fresh and dried lychees. 539,670, Mar. 20; Serial No. 587,525, published Oct. 31, 1950. Class 46.

Ash's, Eddie, Homestead Groves: *See*—
Ash, Edward A.

Atlas Electric Devices Co., Chicago, Ill. Apparatus for testing the effect of weather upon the surfaces of objects, etc. 539,587, Mar. 20; Serial No. 571,248, published Sept. 26, 1950. Class 26.

Attorney General of the United States: *See*—
Mulhens, Paul P.

Atwood Coffee Co.: *See*—
Atwood Coffee Company.

Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn. Coffee. 539,512, Mar. 20; Serial No. 546,165, published Dec. 5, 1950. Class 46.

Avon Products, Inc., New York, N. Y. Toilet water, perfume, and cologne. 539,719, Mar. 20; Serial No. 595,649, published Dec. 5, 1950. Class 51.

Bacmo Postman Corp., Gloversville, N. Y. Gloves. 539,781, Mar. 20; Serial No. 592,068. Class 39.

Bailey, Helen, doing business as Helbee Hosiery Co., Philadelphia, Pa. Women's hosiery. 539,522, Mar. 20; Serial No. 551,755, published July 5, 1949. Class 39.

Bain, Donald H., Limited: *See*—
Bain, Donald H., Ltd.

Bain, Donald H., Ltd., Winnipeg, Manitoba; Fort William, Ontario; and Regina, Saskatchewan, to Donald H. Bain, Limited, Winnipeg, Manitoba; Montreal, Quebec; Fort William, Ontario; Regina and Saskatoon, Saskatchewan; Calgary and Edmonton, Alberta; and Vancouver, British Columbia, Canada. Shelled almonds in boxes, almonds in shell in bags, etc. 272,755, renewed July 15, 1950. O. G. Mar. 20. Class 46.

Baker Caster Oil Company, The, Jersey City, N. J. Dehydrated castor oil, modified dehydrated castor oil, and modified linseed oil, for use in paints, varnishes, etc. 539,707, Mar. 20; Serial No. 592,537, published Dec. 19, 1950. Class 16.

Baldwin Paper Company, Inc., New York, N. Y. Safety paper. 282,812, renewed May 5, 1951. O. G. Mar. 20. Class 37.

Banks, George A., Wheeling, W. Va. Personal deodorant. 539,685, Mar. 20; Serial No. 588,625, published Dec. 19, 1950. Class 51.

Barling, B., & Sons, to M. H. Barling, doing business as B. Barling & Sons, London, England. Tobacco-pipes. 80,339, re-renewed Dec. 13, 1950. O. G. Mar. 20. Class 8.

Barling, Montague H.: *See*—
Barling, B., & Sons.

Baron, H., & Co., Incorporated, Brooklyn, N. Y., to Airline Foods Corporation, Linden, N. J. Flavoring syrups. 283,034, renewed May 12, 1951. O. G. Mar. 20. Class 46.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads, draperies, sheets, etc. 539,750, Mar. 20; Serial No. 561,549. Class 42.

Bat-O-Lite Company: *See*—
Battiste, Donald A.

Battiste, Donald A., doing business as Bat-O-Lite Company, Philadelphia, Pa. Compound sold in bulk to commercial and industrial bakers. 444,444, Mar. 20; Serial No. 522,706, published Dec. 5, 1950. Class 46.

Baumann, Walter K. P., & Co., New York, N. Y. Asphalt mastic composition. 539,633, Mar. 20; Serial No. 580,458, published Dec. 26, 1950. Class 12.

Bay State Products Corporation, Allston, Mass. Toys. 539,671, Mar. 20; Serial No. 587,526, published Nov. 21, 1950. Class 22.

Behn, A. G., Shoe Company, Arlington, N. J. Infants', children's, and growing girls' shoes. 539,509, Mar. 20; Serial No. 545,222, published Dec. 26, 1950. Class 39.

Belk's Buying Service, Incorporated, Charlotte, N. C. Infants' and children's wear. 539,536, Mar. 20; Serial No. 556,539, published Dec. 26, 1950. Class 39.

Beltonic Products Company, Chicago, Ill. Belt dressing. 282,663, renewed Apr. 28, 1951. O. G. Mar. 20. Class 6.

Bennetts' Barnett Laboratory: *See*—
Roeding Park Pharmacy, Inc.

Betty Fashions, Inc., New York, N. Y. Ladies' coats and suits. 539,576, Mar. 20; Serial No. 568,235, published Dec. 26, 1950. Class 39.

Billington, James H., Co., Philadelphia, Pa. Mule banding. 360,746, Sept. 27, 1938. Republished Mar. 20. Class 7.

Binswanger & Co., Richmond, Va. Windows, sashes, transoms, etc. 539,588, Mar. 20; Serial No. 571,501, published Dec. 26, 1950. Class 12.

Bliss Display Corp., New York, N. Y. Prepared advertising plans, material, and layouts. 539,620, Mar. 20; Serial No. 578,314, published Dec. 26, 1950. Class 38.

Bon Ami, The, Company, New York, N. Y. Household cleanser. 539,766, Mar. 20; Serial No. 581,400. Class 52.

Boos, Henry P., Dental Laboratories, Inc., Minneapolis, Minn. Porcelain-tip bridge teeth, porcelain-root bridge teeth, etc. 539,658, Mar. 20; Serial No. 585,826, published July 25, 1950. Class 44.

Borden Company, The: *See*—
Borden's Condensed Milk Company.
Elgin Butter Company, The.

Borden's Condensed Milk Company, to The Borden Company, New York, N. Y. Milk, condensed milk, cream, evaporated cream, etc. 35,691, re-renewed Jan. 1, 1951. O. G. Mar. 20. Class 46.

Boston Gear Works: *See*—
Murray Company of Texas, Inc., The.

Bourjois, Inc., New York, N. Y. Perfume. 539,754, Mar. 20; Serial No. 566,492. Class 51.

Brach, E. J., & Sons, Chicago, Ill. Candy. 539,517, Mar. 20; Serial No. 549,224, published Nov. 21, 1950. Class 46.

Brach, E. J., & Sons, Chicago, Ill. Candy. 539,551, Mar. 20; Serial No. 561,223, published Nov. 28, 1950. Class 46.

Bradbury, Agnew & Co. Limited, London, England. Printed periodical. 539,532, Mar. 20; Serial No. 555,370, published Dec. 19, 1950. Class 38.

Brandvein & Co., Inc., New York, N. Y. Window curtains and curtain fabrics. 539,764–5, Mar. 20; Serial Nos. 581,168-9. Class 42.

Brenner Brothers, New York, N. Y. Dressed and dyed Persian lamb skins. 539,748, Mar. 20; Serial No. 560,860. Class 1.

Briggs, Bates & Bacon Company, Attleboro, Mass. Expansion bracelets, ornamental pins, pendants, etc. 539,712, Mar. 20; Serial No. 594,193, published Dec. 26, 1950. Class 28.

Bristol-Myers Company, New York, N. Y. Tooth powder. 539,622, Mar. 20; Serial No. 578,676, published 26, 1950. Class 51.

Bruce, E. L., Co., Memphis, Tenn. Oak flooring. 279,815–16, renewed Jan. 27, 1951. O. G. Mar. 20. Class 12.

Bruce Pharmaceutical Distributing Corp., Chicago, Ill. Liquid preparation used in combating the pityrosphorumvale. 539,602, Mar. 20; Serial No. 573,450, published Nov. 7, 1950. Class 18.

Buffalo Evening News: *See*—
Butler, Edward H.

Buffalo Evening News, Inc.: *See*—
Butler, Edward H.

Bullard, E. D., Company, San Francisco, Calif. Gas mask assembly. 539,573, Mar. 20; Serial No. 567,948, published Jan. 2, 1951. Class 44.

Burns Martin Co., Boston, Mass. Clothing for fat or stout men. 539,553, Mar. 20; Serial No. 561,717, published Jan. 2, 1951. Class 39.

Butler, Edward H., doing business as Buffalo Evening News, assignor to Buffalo Evening News, Inc., Buffalo, N. Y. Newspaper columns or sections. 539,501, Mar. 20; Serial No. 539,649, published Dec. 26, 1950. Class 38.

Buttura & Sons, Barre, Vt. Memorials, monuments, and grave markers. 539,708, Mar. 20; Serial No. 593,329, published Oct. 17, 1950. Class 50.

C & H Supply Company, Seattle, Wash. Metal foil character-bearing labels. 539,616, Mar. 20; Serial No. 577,705, published Dec. 26, 1950. Class 38.

Cabot, Godfrey L., Inc., Boston, Mass. Agglomerates of carbon black and carbon of high purity. 539,758, Mar. 20; Serial No. 575,884. Class 6.

Cady, Smith H., Jr., San Jose, Calif. Confectionery trade publication. 539,516, Mar. 20; Serial No. 548,572, published Dec. 26, 1950. Class 38.

California Fruit Growers Exchange, Los Angeles, Calif. Hand-operated mechanical lemon sectionizers. 539,649, Mar. 20; Serial No. 583,792, published Nov. 14, 1950. Class 23.

California Marine Curing & Packing Co., Terminal Island, Calif. Canned mackerel and canned sardines. 539,568, Mar. 20; Serial No. 566,791, published Dec. 20, 1949. Class 46.

Canale, D., & Co., Memphis, Tenn. Fresh vegetables. 539,692, Mar. 20; Serial No. 589,246, published Oct. 31, 1950. Class 46.

Capital City Products Company, The, Columbus, Ohio. Refined corn oil. 282,672, renewed Apr. 28, 1951. O. G. Mar. 20. Class 46.

Carr, L. J., & Co., Sacramento, Calif. Structural composition board. 539,634, Mar. 20; Serial No. 580,641, published Jan. 2, 1951. Class 12.

Carter, James, & Co., by Carters Tested Seeds Limited, London, England. Seeds, cereals, and foods. 34,463, Apr. 10, 1900. Republished Mar. 20. Classes 1 and 46.

Carters Tested Seeds Limited: *See*—
Carter, James, & Co.

Carworth Farms, Inc., New City, N. Y. Guinea pig complement. 539,592, Mar. 20; Serial No. 571,844, published Dec. 19, 1950. Class 18.

Cassady, Claude E., doing business under the name General Tractor Company, Seattle, Wash. Automotive tractors. 539,559, Mar. 20; Serial No. 564,859, published Nov. 21, 1950. Class 23.

Cellulose Products Corporation, New Brunswick, N. J. Sanitary napkins. 539,609, Mar. 20; Serial No. 575,887, published Jan. 2, 1951. Class 44.

Central Machine Works Co., Minneapolis, Minn. Metal brackets for use in the construction of docks. 539,607, Mar. 20; Serial No. 575,750, published Nov. 7, 1950. Class 12.

Champion Paper and Fibre Compay, The, Hamilton, Ohio. Tall oil. 539,605, Mar. 20; Serial No. 574,895, published Jan. 2, 1951. Class 1.

Chanel, Inc., New York, N. Y. Perfume. 539,657, Mar. 20; Serial No. 585,743, published Nov. 7, 1950. Class 51.

Chapman Manufacturing Co., Corvallis, Oreg. Pressed wood fiber board, and doors. 539,646, Mar. 20; Serial No. 583,678, published Dec. 26, 1950. Class 12.

Chicago Pneumatic Tool Company, New York, N. Y. Portable or hand-supported electric tools. 278,920, renewed Jan. 6, 1951. O. G. Mar. 20. Class 21.

Chicago Pneumatic Tool Company, New York, N. Y. Lubricating oils and greases. 278,921, renewed Jan. 6, 1951. O. G. Mar. 20. Class 15.

Chicago Pneumatic Tool Company, New York, N. Y. Gaskets, high-pressure hose, etc. 280,617, renewed Feb. 24, 1951. O. G. Mar. 20. Class 35.

Chin & Lee Co., Inc., New York, N. Y. Canned chop suey and noodles, soy sauce, tea balls, etc. 539,603, Mar. 20; Serial No. 574,570, published Nov. 21, 1950. Class 46.

Chipman's, Chas., Sons, Easton, Pa., by Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 61,376, Mar. 19, 1907. Republished Mar. 20. Class 39.

Chipman's, Chas., Sons, Easton and Sellinsgrove, Pa., by Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 77,296, Mar. 29, 1910. Republished Mar. 20. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Chipman's, Chas., Sons.

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. 129,439, Feb. 24, 1920. Republished Mar. 20. Class 39.

Choldun Manufacturing Corp., New Haven, Conn. Powdered chemicals. 539,561, Mar. 20; Serial No. 565,173, published June 20, 1950. Class 52.

Clarkson Coal Company, The, St. Paul, Minn. Coal. 539,738, Mar. 20; Serial No. 544,850. Class 1.

Clearflow Valves: *See*—
Plummer, Geo. A.

Cleveland Provision Company, Cleveland, Ohio. Ham, bacon, sausage, etc. 283,774, renewed June 9, 1951. O. G. Mar. 20. Class 46.

Colorado Milling & Elevator Co., The, Denver, doing business under the style name of The Lamar Flour Mills, Lamar, Colo. Wheat flour. 539,521, Mar. 20; Serial No. 551,534, published Nov. 1, 1949. Class 46.

Colorado Milling & Elevator Co., The, doing business under the style name of The St. Anthony Flour Mills, Denver, Colo., and St. Anthony, Idaho. Wheat flour. 539,539, Mar. 20; Serial No. 557,017, published Nov. 21, 1950. Class 46.

Colorado Stick Quick Sales: *See*—
Wetherbee, Theodore.

Colvin Corporation, Long Island City, N. Y. Toys. 539,575, Mar. 20; Serial No. 568,155, published Nov. 21, 1950. Class 22.

Compañía General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 79,720, re-renewed Oct. 4, 1950. O. G. Mar. 20. Class 17.

Compañía General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 79,723–7, re-renewed Oct. 4, 1950. O. G. Mar. 20. Class 17.

Compañía General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 79,732-3, re-renewed Oct. 4, 1950. O. G. Mar. 20. Class 17.

Compañía General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 79,736, re-renewed Oct. 4, 1950. O. G. Mar. 20. Class 17.

Connecticut General Life Insurance Company, Hartford, Conn. Magazines or periodicals. 539,636, Mar. 20; Serial No. 580,925, published Dec. 19, 1950. Class 38.

Copco Steel & Engineering Company, Detroit, Mich. Steel windows. 539,600, Mar. 20; Serial No. 573,077, published Dec. 26, 1950. Class 12.

Corn Products Refining Company, New York, N. Y. Laundry starch. 280,717, renewed Feb. 24, 1951. O. G. Mar. 20. Class 6.

Cortland Line Company, Inc., Cortland, N. Y. Bait casting fishing line. 539,727, Mar. 20; Serial No. 604,505, published Jan. 2, 1951. Class 22.

Coty, Inc., New York, N. Y. Perfumed powder, dusting powder, toilet water, and perfume. 539,725, Mar. 20; Serial No. 596,779, published Dec. 19, 1950. Class 51.

Cowan, Eric, doing business as Cowan Manufacturing Company, San Francisco, Calif. Twine dispenser. 539,651, Mar. 20; Serial No. 584,191, published Nov. 21, 1950. Class 23.

Cowan Manufacturing Company: *See*—
Cowan, Eric.

Crawford, McGregor and Canby Company, The, Dayton, to Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 282,447, renewed Apr. 21, 1951. O. G. Mar. 20. Class 22.

Croail, C. V., Corporation, Santa Rosa, Calif. Mix containing fruit and fruit juice. 539,656, Mar. 20; Serial No. 585,634, published Dec. 12, 1950. Class 46.

Crucible Steel Company of America, New York, N. Y. Tool steel. 539,555, Mar. 20; Serial No. 562,836, published May 2, 1950. Class 14.

Cudahy Brothers Co., Cudahy, Wis. Canned pork luncheon meat. 539,549, Mar. 20; Serial No. 560,322, published Dec. 19, 1950. Class 46.

Cutter Laboratories, Berkeley, Calif. Human and veterinary biologics; cloatridium hemolyticum bacterin, etc. 539,638, Mar. 20; Serial No. 581,471, published Dec. 26, 1950. Class 18.

Dad's Cookie Company, Los Angeles, Calif. Cookies. 539,688, Mar. 20; Serial No. 588,844, published Dec. 12, 1950. Class 46.

Davis, Wesley H., doing business as Sunset Farms, Tyngsboro, Mass. Milk, cream, cottage cheese, etc. 281,895, renewed Apr. 7, 1951. O. G. Mar. 20. Class 46.

Daybrook Hydraulic Corporation, The, Bowling Green, Ohio. Hydraulic lift mechanisms. 539,582, Mar. 20; Serial No. 570,482, published Nov. 28, 1950. Class 23.

De Bord, C. L., Mills: *See*—
De Bord, Charles L.

De Bord, Charles L., doing business as C. L. De Bord Mills, Johnson City, Tenn. Wheat flour. 281,156, renewed Mar. 10, 1951. O. G. Mar. 20. Class 46.

Deming & Gould Co., Chicago, Ill., to Pacific American Fisheries, Inc. Bellingham, Wash. Canned salmon. 81,056, re-renewed Feb. 28, 1951. O. G. Mar. 20. Class 46.

Dent, Allcroft & Co., to Dent, Allcroft & Co., Ltd., London, England. Gloves. 80,990, re-renewed Feb. 21, 1951. O. G. Mar. 20. Class 39.

Dent, Allcroft & Co., Ltd.: *See*—
Dent, Allcroft & Co.

Detroit Steel Products Co.: *See*—
Detroit Steel Products Company.

Detroit Steel Products Company, also doing business as Detroit Steel Products Co., Detroit, Mich. Metal doors and metal frames therefor. 539,619, Mar. 20; Serial No. 578,076, published Jan. 2, 1951. Class 12.

Devoe & Reynolds Company, Inc., New York, N. Y. Ready-mixed interior and exterior paints; varnishes; etc. 539,529, Mar. 20; Serial No. 554,212, published Dec. 19, 1950. Class 16.

Diehl Manufacturing Company, Elizabeth, N. J., to Diehl Manufacturing Company, New York, N. Y. Electric fans. 280,741, renewed Feb. 24, 1951. O. G. Mar. 20. Class 21.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh pears. 539,664, Mar. 20; Serial No. 586,735, published Dec. 5, 1950. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh pears. 539,665, Mar. 20; Serial No. 586,738, published Nov. 14, 1950. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh asparagus, fresh potatoes, fresh grapes, etc. 539,666, Mar. 20; Serial No. 586,740, published Nov. 28, 1950. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh grapes, fresh pears, fresh asparagus, etc. 539,773, Mar. 20; Serial No. 586,731. Class 46.

Dinah's Restaurant, Oklahoma City, Okla. Barbecue sauce and barbecued beans. 539,677, Mar. 20; Serial No. 587,941, published Dec. 19, 1950. Class 46.

Dinson Clock Corp., Jamaica, N. Y. Clocks. 539,681–2, Mar. 20; Serial Nos. 588,167–8, published Dec. 26, 1950. Class 27.

Dix, Henry A., & Son's Corporation, New York, N. Y. Uniforms, caps, and aprons for misses. 278,786, renewed Dec. 30, 1950. O. G. Mar. 20. Class 39.

Dixie Belle Textiles, Inc., Gibsonville, N. C. Ladies' lingerie. 444,445, Mar. 20; Serial No. 523,178, published Dec. 26, 1950. Class 39.

Doane Agricultural Service, Inc., St. Louis, Mo. Drawings for constructing agricultural buildings. 539,511, Mar. 20; Serial No. 545,965, published Dec. 26, 1950. Class 38.

Dorrer, Walter B., doing business under the fictitious name and style of Higbee & Dorrer, Los Angeles, Calif. Finger rings. 539,687, Mar. 20; Serial No. 588,790, published Dec. 26, 1950. Class 28.

Drew, E. F., & Co., Inc., New York, N. Y. Emulsifying and whipping aid for ice cream compositions. 539,495, Mar. 20; Serial No. 534,420, published Nov. 7, 1950. Class 46.

Dumas, W. L., doing business as W. L. Dumas Manufacturing Company, Miami, Okla. Children's hoops. 539,505, Mar. 20; Serial No. 541,723, published Nov. 21, 1950. Class 22.

Dumas, W. L., Manufacturing Company: *See*—
Dumas, W. L.

Du Pont, E. I., de Nemours and Company: *See*—
Du Pont Viscoloid Company.

Du Pont Viscoloid Company, New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Thermo plastic materials, etc. 279,516, renewed Jan. 20, 1951. O. G. Mar. 20. Class 1.

Eastman Oil Well Survey Company, Denver, Colo. Coring equipment. 539,525, Mar. 20; Serial No. 552,641, published Sept. 26, 1950. Class 26.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der pferdepost von Ferd. Mülhens: *See*—
Mülhens, Paul P.

Edwards Valves, East Chicago, Ind. Piping attachment. 539,732, Mar. 20; Serial No. 519,384. Class 13.

Eerste Nederlandsche Dames- en Kindermantelfabriek H. Berghaus N. V., Amsterdam, Netherlands. Ladies', girls', and gentlemen's clothing. 539,627, Mar. 20; Serial No. 579,384, published Nov. 14, 1950. Class 39.

Elgin Butter Company, The, Elgin, Ill., to The Borden Company, New York, N. Y. Butter. 36,163, re-renewed Apr. 2, 1951. O. G. Mar. 20. Class 46.

Elliott-Heaton-Peninsular Corporation: *See*—
Heaton-Peninsular Button Fastener Co.

Engel, Jane, Inc., New York, N. Y. Women's and girls' clothing, and accessories, and children's and infants' coats, etc. 539,614, Mar. 20; Serial No. 577,374, published Dec. 26, 1950. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's dress and negligee shirts, underwear, and pajamas. 539,737, Mar. 20; Serial No. 542,824. Class 39.

Epicure Fine Foods Co.: *See*—
Vogl, Arnold.

Erwin Cotton Mills Company, Durham, N. C. Denim in the piece. 539,734, Mar. 20; Serial No. 534,613. Class 42.

Essex Rubber Company, Trenton, N. J. Rubber soles. 539,523, Mar. 20; Serial No. 552,447, published Jan. 2, 1951. Class 39.

Evans, David G., Coffee Company: *See*—
Old Judge Coffee Company, Inc.

Everlasting Valve Company, Jersey City, N. J. Valves. 539,583, Mar. 20; Serial No. 570,552, published Jan. 2, 1951. Class 13.

F. M. Candy Corporation, Brooklyn, N. Y. Confectionery; sweetmeats; etc. 539,668, Mar. 20; Serial No. 587,374, published Dec. 19, 1950. Class 46.

Falcon Packing Co. Inc., New York, N. Y. Bottled olives. 381,731, Oct. 1, 1940. Republished Mar. 20. Class 46.

Firmenich & Co., successeurs de la Société anonyme M. Naef & Cie, Geneva, Switzerland. Chemical products. 539,520, Mar. 20; Serial No. 550,800, published Dec. 12, 1950. Class 6.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 539,569, Mar. 20; Serial No. 566,926, published Nov. 21, 1950. Class 46.

Flotill Products, Incorporated, Stockton, Calif. Canned tomatoes. 539,774, Mar. 20; Serial No. 586,748. Class 46.

Food Fair Stores, Inc., Philadelphia, Pa. Fresh eggs. 539,563, Mar. 20; Serial No. 565,332, published Dec. 26, 1950. Class 46.

Formica Company, The, Cincinnati, Ohio. Decorative laminated plastic sheets. 539,599, Mar. 20; Serial No. 572,420, published Jan. 2, 1951. Class 12.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 279,765, renewed Jan. 20, 1951. O. G. Mar. 20. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 539,785, Mar. 20; Serial No. 595,202. Class 42.

Fonchee Perfume & Cosmetic Company, Inc., St. Petersburg, Fla. Perfume. 539,762, Mar. 20; Serial No. 577,322. Class 51.

Freydberg Bros.-Strauss, Inc.: *See*—
Freydberg Brothers, Incorporated.

Freydberg Brothers, Incorporated, to Freydberg Bros.-Strauss, Inc., New York, N. Y. Ribbon. 282,631, renewed Apr. 28, 1951. O. G. Mar. 20. Class 7.

Fuller Brush Company, The, Hartford, Conn. Shaving cream, cream shampoo, and tooth paste. 539,741, Mar. 20; Serial No. 548,953. Class 51.

Furst-McNess Company, Freeport, Ill. Food flavoring extracts, and baking powder. 539,488, Mar. 20; Serial No. 522,763, published Dec. 5, 1950. Class 46.

Gabrieleen Co., Inc., Chicago, Ill. Permanent wave lotion. 539,714, Mar. 20; Serial No. 594,898, published Dec. 5, 1950. Class 51.

Gamble-Skogmo, Inc., Minneapolis, Minn. Chemically treated wood cellulose. 539,625, Mar. 20; Serial No. 579,315, published Nov. 7, 1950. Class 12.

Garden Grove Citrus Association, Garden Grove, Calif. Fresh citrus fruit. 539,747, Mar. 20; Serial No. 559,598. Class 46.

Gardner, Frederick D., assignor, by mesne assignments, to Sepia Girl Products Co., Chicago, Ill. Hair pomades. 539,493, Mar. 20; Serial No. 533,875, published July 27, 1948. Class 51.

General Electric Company, Schenectady, N. Y. Electrical pulsed light source apparatus for motion picture projectors. 539,577, Mar. 20; Serial No. 569,694, published Oct. 10, 1950. Class 26.

General Tractor Company: *See*—
Casady, Claude E.

Gibson Packing Company, doing business as American Products Company, Yakima, Wash. Canned and dehydrated dog and cat food. 539,775, Mar. 20; Serial No. 587,259. Class 46.

Gittlin Bag Company, doing business under the name and style of Gittlin Charlotte Bag Co., Newark, N. J. and Charlotte, N. C. Textile fabric tubing. 539,787, Mar. 20; Serial No. 596,401. Class 42.

Gittlin Charlotte Bag Co.: *See*—
Gittlin Bag Company.

Globe Hoist Company, Des Moines, Iowa. Stationary hoist. 539,778, Mar. 20; Serial No. 589,504. Class 23.

Godefroy Manufacturing Company, St. Louis, Mo. Oil shampoo tint, drab toner, hair bleach, etc. 539,542, Mar. 20; Serial No. 557,920, published Dec. 26, 1950. Class 51.

Goodall-Sanford, Inc.: *See*—
Lesher, Whitman & Co., Inc.

Gossard, H. W., Co., The, Chicago, Ill. Girdles, panty girdles, and combination corsets and brassières. 539,780, Mar. 20; Serial No. 591,676. Class 39.

Gottlieb, Lou, & Son, Inc., Philadelphia, Pa. Apparatus for producing and dispensing carbonated and non-carbonated beverages. 539,534, Mar. 20; Serial No. 556,259, published Nov. 14, 1950. Class 23.

Goya Incorporated, assignee: *See*—
Goya Limited.
Ortegat, Adelaide.

Goya Limited, London, England, assignor to Goya Incorporated, New York, N. Y. Perfumes and toilet waters. 539,696, Mar. 20; Serial No. 589,898, published Dec. 19, 1950. Class 51.

Graflex, Inc., Rochester, N. Y. Photographic apparatus. 539,689, Mar. 20; Serial No. 588,949, published Oct. 10, 1950. Class 26.

Great Lakes Carbon Corporation: *See*—
Great Lakes Coal & Coke Co.

Great Lakes Coal & Coke Co., Chicago, Ill., by Great Lakes Carbon Corporation, New York, N. Y. Fuel. 334,584, May 5, 1936. Republished Mar. 20. Class 1.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. 539,596, Mar. 20; Serial No. 572,303, published Jan. 2, 1951. Class 39.

Grower-Shipper Potato Company, Monte Vista, Colo. Potatoes. 539,552, Mar. 20; Serial No. 561,236, published Nov. 7, 1950. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Bracelets. 539,709, Mar. 20; Serial No. 593,637, published Dec. 26, 1950. Class 28.

Gum Products, Inc., East Boston, Mass. Chewing gum. 539,544, Mar. 20; Serial No. 558,489, published Dec. 12, 1950. Class 46.

Gum Products, Inc., Boston, Mass. Chewing gum. 539,545, Mar. 20; Serial No. 558,490, published Dec. 26, 1950. Class 46.

Gynecological Specialties, St. Louis, Mo., assignor to Gynecological Specialties, Inc., Alton, Ill. Medicinal preparation. 539,632, Mar. 20; Serial No. 580,363, published Dec. 26, 1950. Class 18.

Gynecological Specialties, Inc., assignee: *See*—
Gynecological Specialties.

Habitant Fence, Inc., Alpena, Mich. Corner trellises, lawn trellises, arbors, etc. 539,715, Mar. 20; Serial No. 595,318, published Dec. 5, 1950. Class 12.

Hadley Finsterwald Company, Detroit, Mich. Women's fur wearing apparel. 539,755, Mar. 20; Serial No. 570,104. Class 39.

Hallmark Shirt Co., Inc., The, New York, N. Y. Men's and boys' outer shirts and pajamas. 444,446, Mar. 20; Serial No. 525,829, published Dec. 12, 1950. Class 39.

Hanna Furnace Corporation, The, Detroit, Mich. Pig iron. 539,589–90, Mar. 20; Serial Nos. 571,640–1, published Dec. 5, 1950. Class 14.

Harrison-Walker Refractories Company, Pittsburgh, Pa. High alumina refractory cement. 539,721, Mar. 20; Serial No. 596,894, published Dec. 19, 1950. Class 12.

Hays Corporation, The, Michigan City, Ind. Tachometer. 539,556, Mar. 20; Serial No. 563,117, published Sept. 26, 1950. Class 26.

Heaton-Peninsular Button Fastener Co., to Elliott-Heaton-Peninsular Corporation, Boston, Mass. Staple like metallic fasteners. 80,920, re-renewed Feb. 14, 1951. O. G. Mar. 20. Class 40.

Heintz, James C., & Company, Inc. Cleveland, Ohio. Tire molds. 539,706, Mar. 20; Serial No. 592,320, published Dec. 5, 1950. Class 23.

Helbee Hosiery Co.: *See*—
Bailey, Helen.

Heller & Long, to Personality Handkerchiefs, Inc., New York, N. Y. Handkerchiefs. 74,688, re-renewed Aug. 3, 1949. O. G. Mar. 20. Class 39.

Higbee & Dorrer: *See*—
Dorrer, Walter B.

Hill, Jack H., doing business as Hills Manufacturing Co., St. Paul, Minn. Moth repellent preparation. 539,623, Mar. 20; Serial No. 578,794, published Dec. 26, 1950. Class 6.

Hills Manufacturing Co.: *See*—
Hill, Jack H.

Hoffmann-La Roche Inc., Nutley, N. J. Medicinal preparation. 283,775, renewed June 9, 1951. O. G. Mar. 20. Class 18.

Holtite Manufacturing Company, The, Baltimore, Md. Rubber heels and soles. 539,591, Mar. 20; Serial No. 571,696, published Dec. 26, 1950. Class 39.

Holton & Adams, Inc., New York, N. Y. Tooth, hair, military, clothes and hat brushes. 81,710, re-renewed May 2, 1951. O. G. Mar. 20. Class 29.

Holton & Adams, Inc., New York, N. Y. Nail, hand, bath, complexion, infant and lather brushes and powder puffs. 82,084, re-renewed May 30, 1951. O. G. Mar. 20. Class 29.

Holland Bulb Growers, Inc., Mt. Vernon, Wash. Plant and flower bulbs. 539,752, Mar. 20; Serial No. 565,550. Class 1.

Hopkinsville Milling Co., Hopkinsville, Ky. Wheat flour. 228,367, May 31, 1927. Restricted. O. G. Mar. 20. Class 46.

Hopkinsville Milling Co., Hopkinsville, Ky. Corn meal. 506,864, Feb. 22, 1949. Restricted. O. G. Mar. 20. Class 46.

Hopkinsville Milling Co., Hopkinsville, Ky. Wheat flour. 506,877, Feb. 22, 1949. Restricted. O. G. Mar. 20. Class 46.

Horn, William S., doing business as Hospital Bedhight Company, Fort Worth, Tex. Portable hospital commodes. 539,768, Mar. 20; Serial No. 581,923. Class 44.

Hospital Bedhight Company: *See*—
Horn, William S.

Houghton, E. F., & Co., Philadelphia, Pa. Cutting oils. 282,768, renewed Apr. 28, 1951. O. G. Mar. 20. Class 15.

Humble Oil & Refining Company, Houston, Tex. Ready mixed paints, protective paint coatings and thinners, etc. 539,701, Mar. 20; Serial No. 590,598, published Dec. 19, 1950. Class 16.

Hunter Douglas Corporation, New York, N. Y. Window awnings. 539,641, Mar. 20; Serial No. 582,605, published Dec. 26, 1950. Class 12.

Hurley, Earl H., doing business as Earl H. Hurley Associates, Corry, Pa. Children's play swings. 539,672, Mar. 20; Serial No. 587,635, published Nov. 21, 1950. Class 22.

Hurley, Earl H., Associates: *See*—
Hurley, Earl H.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to Winthrop-Stearns Inc., New York, N. Y. Liver-extract preparation. 283,795, renewed June 9, 1951. O. G. Mar. 20. Class 18.

Ideal Novelty & Toy Co., Brooklyn and New York, to Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 283,841, renewed June 9, 1951. O. G. Mar. 20. Class 22.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 539,784, Mar. 20; Serial No. 594,466. Class 22.

Industrial Engineering Associates, Mooresville, Ind. Athletic truss. 539,751, Mar. 20; Serial No. 563,619. Class 44.

Inland Trading Company, Hammond, Ind. Fresh fruits; and fresh vegetables. 539,702, Mar. 20; Serial No. 590,599, published Nov. 21, 1950. Class 46.

Interchemical Corporation, New York, N. Y. Chemical wood preservative. 539,579, Mar. 20; Serial No. 570,255, published Aug. 29, 1950. Class 6.

International Doll Co., Inc., Philadelphia, Pa. Dolls and dolls' clothes. 539,531, Mar. 20; Serial No. 554,573, published Nov. 21, 1950. Class 22.

International Fire Equipment Corporation, West New Brighton, to International Fire Equipment Corporation, Staten Island, N. Y. Stationary automatic fire extinguishers. 278,124, renewed Dec. 2, 1950. O. G. Mar. 20. Class 23.

International Salt Company, Scranton, Pa. Crushed rock salt. 539,593, Mar. 20; Serial No. 571,933, published Oct. 31, 1950. Class 46.

Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. 539,502, Mar. 20; Serial No. 539,959, published Oct. 3, 1950. Class 46.

J. & S. Plastic Products Co., Inc., New York, N. Y. Plastic toilet seats. 539,580, Mar. 20; Serial No. 570,256, published Jan. 2, 1951. Class 13.

James and Buckley, Dos Palos, Calif. Fresh lettuce, carrots and cantaloupes. 539,498, Mar. 20; Serial No. 536,619, published May 17, 1949. Class 46.

James Industries, Inc., Philadelphia, Pa. Game. 539,675, Mar. 20; Serial No. 587,729, published Nov. 21, 1950. Class 22.

Jean Frocks, Inc., New York, N. Y. Ladies' dresses, negligees, housecoats, etc. 539,783, Mar. 20; Serial No. 594,127. Class 39.

Jeffrey Manufacturing Company, The: *See*—
Jeffrey Manufacturing Co., The.

Jeffrey Manufacturing Co., The, to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizers and crushers. 280,736, renewed Feb. 24, 1951. O. G. Mar. 20. Class 23.

Jelke, John F., Company, Chicago, Ill., assignor to Lever Brothers Company, New York, N. Y. Oleomargarine. 539,483, Mar. 20; Serial No. 486,788, published Aug. 22, 1950. Class 46.

Jen-Cel-Lite Corporation: *See*—
Jensen Manufacturing Company.

Jensen Manufacturing Company, by Jen-Cel-Lite Corporation, Seattle, Wash. Aggregate in bat form. 431,806, Aug. 12, 1947. Republished Mar. 20. Class 1.

Johnson & Johnson, New Brunswick, N. J. Absorbent cotton, and surgical dressings. 539,566, Mar. 20; Serial No. 566,602, published Jan. 2, 1951. Class 44.

Johnson & Johnson, New Brunswick, N. J. Absorbent gauze, sterilized gauze, surgical gauze, and other gauze. 539,567, Mar. 20; Serial No. 566,611, published Jan. 2, 1951. Class 44.

Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 283,195, renewed May 19, 1951. O. G. Mar. 20. Class 42.

Kaiser Sales, Inc., New York and Brooklyn, N. Y. Fabric ribbons. 539,761, Mar. 20; Serial No. 576,919. Class 42.

Kemart Corporation, San Francisco, Calif. Hand manipulable short wave lamp. 539,527, Mar. 21; Serial No. 554,127, published Mar. 8, 1950. Class 26.

Kerr Glass Manufacturing Corporation, Sand Springs, Okla., to Kerr Glass Manufacturing Corporation, Los Angeles, Calif. Glass jars. 282,670, renewed Apr. 28, 1951. O. G. Mar. 20. Class 33.

King Candy Company, Fort Worth, Tex. Candy. 539,742, Mar. 20; Serial No. 552,665. Class 46.

King Midas Flour Mills: *See*—
Van Dusen Harrington Co.

Koppers Company, Inc., Pittsburgh, Pa. Bituminous cement, tar-saturated fabric, asphalt and tar felt, etc. 539,606, Mar. 20; Serial No. 575,354, published Nov. 7, 1950. Class 12.

Kreet Razor Co., The, Portland, Oreg. Safety razors and blades. 539,736, Mar. 20; Serial No. 541,429. Class 23.

Lactia Company, Brooklyn, N. Y. Medicinal preparation. 539,737, Mar. 20; Serial No. 575,711. Class 18.

Lamar Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Langtry, James H., doing business under the name and title Langtry Photo Service, Buffalo, N. Y. Photo prints. 539,507–8, Mar. 20; Serial Nos. 543,940–1, published Dec. 26, 1950. Class 38.

Langtry Photo Service: *See*—
Langtry, James H.

Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y., to Lanvin Parfums, Inc., New York, N. Y. Perfume extract. 282,358, renewed Apr. 21, 1951. O. G. Mar. 20. Class 51.

Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y., to Lanvin Parfums, Inc., New York, N. Y. Perfumes and toilet water. 282,453, renewed Apr. 21, 1951. O. G. Mar. 20. Class 51.

Lazzaretto, John M.: *See*—
Schmidt, A. O.

Lear, Incorporated, Grand Rapids, Mich. Non-self-measuring hand-operated fluid pumps, vacuum pumps, etc. 539,673, Mar. 20; Serial No. 587,637, published Nov. 14, 1950. Class 23.

Lebanon Shirt Company, Lebanon, Lititz, Lexington, and Hebron, Pa., and New York, N. Y., to Lebanon Shirt Co., Inc., New York, N. Y. Men's and boys' hats, caps, neckties, etc. 274,472, renewed Aug. 26, 1950. O. G. Mar. 20. Class 39.

Lebanon Shirt Co., Inc.: *See*—
Lebanon Shirt Company.

Lesa, Adelaide F.: *See*—
Ortegat, Adelaide.

Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 280,921, renewed Mar. 3, 1951. O. G. Mar. 20. Class 42.

Lever Brothers Company, assignee: *See*—
Jelke, John F., Company.

Lewitt Bros. & Co., Inc., New York, N. Y. Watchcases. 539,659, Mar. 20; Serial No. 586,093, published Dec. 26, 1950. Class 27.

Life Savers Corporation, Port Chester, N. Y. Candies. 539,686, Mar. 20; Serial No. 588,694, published Dec. 5, 1950. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Chemical, pharmaceutical, and biological products. 283,972, renewed June 9, 1951. O. G. Mar. 20. Class 18.

Lock Thread Corporation, Detroit, Mich. Screw connections and parts thereof. 539,728, Mar. 20; Serial No. 539,531, published Mar. 20. Class 13.

Lorriaux, Jean-Pascal, & Cie, Paris, France. Perfumes. 444,442, Mar. 20; Serial No. 516,291, published Dec. 5, 1950. Class 51.

Los Angeles Junior Chamber of Commerce, Los Angeles, Calif. Program in the form of a magazine. 539,550, Mar. 20; Serial No. 560,338, published Dec. 26, 1950. Class 38.

Lovett, John T., Little Silver, N. J. Plants, bulbs of plants, and field garden, and vegetable seeds. 270,560, renewed May 6, 1950. O. G. Mar. 20. Class 1.

Lowe Brothers Company, The, Dayton, Ohio. Paints, paint finishes, paint enamel finishes, etc. 282,606, renewed Apr. 28, 1951. O. G. Mar. 20. Class 16.

MacDowell, L. B., Salisbury, Md. Dressed chickens. 539,743, Mar. 20; Serial No. 553,881. Class 46.

Magee, John, & Co., Incorporated: *See*—
Magee, John, & Co. Inc.

Magee, John, & Co. Inc., New York, N. Y., assignor to John Magee & Co. Incorporated, by John Magee & Co., Incorporated, Old Saybrook, Conn. Bottled olives and bottled maraschino cherries. 384,957, Feb. 11, 1941. Republished Mar. 20. Class 46.

Magic Gold Foods Co.: *See*—
Young, W. T., Foods, Inc.

Manhattan Pickle Company, Chicago, Ill. Fresh sweet pickles. 539,763, Mar. 20; Serial No. 578,881. Class 46.

Manheimer, Jacob: *See*—
Warrick, Frederic W.

Maple Dale Hatchery, Austin, Minn. Chicks. 539,756, Mar. 20; Serial No. 573,377. Class 1.

Marchand, Charles, Company, The, New York, N. Y. Peroxide of hydrogen. 539,617, Mar. 20; Serial No. 577,724, published Dec. 26, 1950. Class 6.

Markwell Manufacturing Co., Inc., New York, N. Y. Staples. 539,490, Mar. 20; Serial No. 530,750, published Jan. 2, 1951. Class 13.

Marlin-Rockwell Corporation, Jamestown, N. Y. Ball bearings. 539,537, Mar. 20; Serial No. 556,969, published Nov. 21, 1950. Class 23.

Marlin-Rockwell Corporation, Jamestown, N. Y. Ball bearings. 539,538, Mar. 20; Serial No. 556,972, published Nov. 21, 1950. Class 23.

Mayer, Oscar, & Co., Inc.: *See*—
Vogt, F. G., & Sons, Incorporated.

McKee Door Company, Aurora, Ill. Overhead type track mounted door assemblies. 539,564, Mar. 20; Serial No. 565,712, published Dec. 26, 1950. Class 12.

Mead Corporation, The, Dayton, Ohio. Powdered extract product. 539,626, Mar. 20; Serial No. 579,327, published Dec. 26, 1950. Class 6.

Mead Johnson & Company, Evansville, Ind. Specially prepared dry uncooked cereal,–powdered beef bone, etc. 539,487, Mar. 20; Serial No. 516,943, published Jan. 2, 1951. Class 46.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's, men's, boys' and girls' hats and hat bodies. 444,440, Mar. 20; Serial No. 511,230, published Nov. 29, 1949. Class 39.

Metal Awning Company of Memphis, assignor to Polar Kraft Metal Awning Company, Memphis, Tenn. Metal awnings. 539,650, Mar. 20; Serial No. 583,809, published Dec. 19, 1950. Class 12.

Metropolitan Bias Binding Co., Philadelphia, Pa. Plastic and cotton cording. 539,735, Mar. 20; Serial No. 540,847. Class 40.

Miller Freeman Publications of California, San Francisco, Calif. Monthly publication. 539,615, Mar. 20; Serial No. 577,635, published Dec. 26, 1950. Class 38.

Miller, L., & Sons, Inc., Long Island City, N. Y. Women's and misses' shoes. 539,510, Mar. 20; Serial No. 545,506, published Dec. 26, 1950. Class 39.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Fiber board. 539,767, Mar. 20; Serial No. 581,537. Class 12.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid for activating adhesive coating. 539,713, Mar. 20; Serial No. 594,276, published Dec. 26, 1950. Class 6.

Monogram Manufacturing Company, Los Angeles, Calif. Sheet metal clamps, and hand tools. 539,635, Mar. 20; Serial No. 580,735, published Nov. 14, 1950. Class 23.

Monsanto Chemical Company, St. Louis, Mo. Compound for use as an aid in the vulcanization of rubber. 539,629, Mar. 20; Serial No. 579,549, published Dec. 26, 1950. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Wood treated with chemical preservative. 539,674, Mar. 20; Serial No. 587,643, published Dec. 19, 1950. Class 12.

Moore, Robert, & Co., New York, N. Y. Semi-monthly letter. 539,565, Mar. 20; Serial No. 565,860, published Dec. 12, 1950. Class 38.

Morris, Mark L., Stelton, N. J. Animal food. 539,608, Mar. 20; Serial No. 575,773, published Oct. 3, 1950. Class 46.

Mosso, C. A., Company, Chicago, Ill. Antiseptics, bactericides and germicides. 539,558, Mar. 20; Serial No. 564,083, published Dec. 26, 1950. Class 18.

Motor Cargo, Inc., Memphis, Tenn. Periodical publication. 539,771, Mar. 20; Serial No. 585,499. Class 38.

Mt. Vernon Milling Company: *See*—
Short, J. R., Milling Company.

Millhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der pferdepost von Ferd. Millhens, Cologne, Germany, vested in the Attorney General of the United States, Washington, D. C. Eau de cologne, lavender water, hair washes, etc. 279,463, renewed Jan. 13, 1951. O. G. Mar. 20. Class 51.

Murphy, Brill & Sahner, Inc., New York, N. Y. Hosiery. 539,744, Mar. 20; Serial No. 554,391. Class 39.

Murray Company of Texas, Inc., The, doing business under the name and style of Boston Gear Works, Dallas, Tex., and North Quincy, Mass. Bronze bars, and bronze plates. 539,776, Mar. 20; Serial No. 588,877. Class 14.

N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, to North American Philips Company, Inc., New York, N. Y. Electromedical apparatus. 278,248, renewed Dec. 9, 1950. O. G. Mar. 20. Class 44.

Nachman, Joseph, Philadelphia, Pa. Blouses. 539,496, Mar. 20; Serial No. 535,174, published Dec. 26, 1950. Class 39.

National Milling Company: *See*—
Van Dusen Harrington Co.

National Pressure Cooker Company, Eau Claire, Wis. Autoclaves for the sterilization of dental, medical, and surgical objects, and the like. 539,601, Mar. 20; Serial No. 573,434, published Jan. 2, 1951. Class 44.

National Starch Products Inc., New York, N. Y. Dry amylaceous-base product. 539,753, Mar. 20; Serial No. 566,165. Class 5.

New York Laminating Company, Clinton, Mass. Decorated wall board. 539,610, Mar. 20; Serial No. 576,008, published Dec. 19, 1950. Class 12.

Nips, Inc., New York, N. Y. Perfumes. 415,858, Aug. 21, 1945. Republished Mar. 20. Class 51.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals and printed decorative tags. 539,683, Mar. 20; Serial No. 588,228, published Dec. 19, 1950. Class 38.

Norris Inc., Atlanta, Ga. Candy. 539,749, Mar. 20; Serial No. 561,033. Class 46.

North American Philips Company, Inc.: *See*—
N. V. Philips' Gloeilampenfabrieken.

Norton Company, Worcester, Mass. Heat-refractory materials. 539,595, Mar. 20; Serial No. 572,267, published Nov. 7, 1950. Class 12.

Novelty Jewelry Co., New York, N. Y. Clutch pins. 539,705, Mar. 20; Serial No. 591,859, published Dec. 26, 1950. Class 28.

Nutrition Research Laboratories, Chicago, Ill., assignor to Nutrition Research Laboratories, Inc. Pharmaceutical preparation. 539,647–8, Mar. 20; Serial Nos. 583,706–7, published Dec. 19, 1950. Class 18.

Nutrition Research Laboratories, Inc.: *See*—
Nutrition Research Laboratories.

Old Judge Coffee Company, Inc., St. Louis, Mo., and Louisville, Ky., by change of name from David G. Evans Coffee Company, an assignee of The Querbacker Coffee Co. Grape jelly, strawberry preserves, cloves, etc. 539,484, Mar. 20; Serial No. 507,273, published Dec. 5, 1950. Class 46.

Organic Chemicals, Inc., Pasadena, Calif. Histidine compounds. 539,540, Mar. 20; Serial No. 557,765, published May 10, 1949. Class 18.

Ortegat, Adelaide, née A. F. Lesa, Paris, France, to Goya Incorporated, New York, N. Y. Perfumes, face powders, toilet powders, etc. 280,101, renewed Feb. 10, 1951. O. G. Mar. 20. Class 51.

Ossola, J., Co.: *See*—
Ossola, J., Co., Inc.

Ossola, J., Co., Inc., also known as J. Ossola Co., New York, N. Y. Anchovies, apricots, artichokes, etc. 539,513, Mar. 20; Serial No. 547,272, published Oct. 31, 1950. Class 46.

Querbacker Coffee Co., The: *See*—
Old Judge Coffee Company, Inc.

Pacific American Fisheries, Chicago, Ill., to Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 81,096, re-renewed Feb. 28, 1951. O. G. Mar. 20. Class 46.

Pacific American Fisheries, Chicago, Ill., to Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 81,165, re-renewed Mar. 7, 1951. O. G. Mar. 20. Class 46.

Pacific American Fisheries, Inc.: *See*—
Deming & Gould Co.

Paoli, Stephen A., Rockford, Ill. Shrimp peeler and deveiner implements. 539,639, Mar. 20; Serial No. 581,976, published Nov. 14, 1950. Class 23.

Paragon Insulation Company, Inc., Brooklyn, and New York, N. Y. Combination storm and screen windows, doors, window casements, etc. 539,562, Mar. 20; Serial No. 565,295, published Dec. 19, 1950. Class 12.

Paramount Pictures Corporation: *See*—
Paramount Publix Corporation.

Paramount Publix Corporation, to Paramount Pictures Corporation, New York, N. Y. Motion pictures. 280,931, renewed Mar. 3, 1951. O. G. Mar. 20. Class 26.

Parfums Evyan Co.: *See*—
Westall, Evelyn.

Parfums Evyan Inc., assignee: *See*—
Westall, Evelyn.

Parker Rust Proof Company, Detroit, Mich. Phosphating chemicals. 539,546, Mar. 20; Serial No. 558,923, published Jan. 2, 1951. Class 6.

Patek Brothers, Inc., Milwaukee, Wis. Interior and exterior paints; calcimines; paint and baking enamels; etc. 539,489, Mar. 20; Serial No. 530,675, published Dec. 19, 1950. Class 16.

Patou, Jean, Inc., New York, N. Y. Perfumes and toilet waters. 539,694, Mar. 20; Serial No. 589,470, published Dec. 5, 1950. Class 51.

Peck & Peck, New York, N. Y. Jackets. 539,624, Mar. 20; Serial No. 579,289, published Dec. 26, 1950. Class 39.

Permafuse Corp., The, Garden City, N. Y. Brake shoe lining bonding apparatus. 539,704, Mar. 20; Serial No. 591,512, published Dec. 5, 1950. Class 23.

Personality Handkerchiefs, Inc.: *See*—
Heller & Long.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 278,870, Dec. 30, 1930. Republished Mar. 20. Class 39.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 282,728, renewed Apr. 28, 1951. O. G. Mar. 20. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Toilet preparation. 539,722–3, Mar. 20; Serial Nos. 596,185–6, published Dec. 19, 1950. Class 51.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Toilet preparation. 539,724, Mar. 20; Serial No. 596,190, published Dec. 19, 1950. Class 51.

Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Stationary and portable X-ray apparatus. 539,503, Mar. 20; Serial No. 540,314, published Jan. 2, 1951. Class 44.

Pine Grove Canning Company, Inc., St. Martinville, La. Canned products; bottled whole pepper sauce, etc. 539,524, Mar. 20; Serial No. 552,605, published Dec. 12, 1950. Class 46.

Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Salted peanuts. 539,572, Mar. 20; Serial No. 567,428, published Nov. 7, 1950. Class 46.

Plastic Corporation of Chicago, Cicero, Ill. Foundry equipment. 539,519, Mar. 20; Serial No. 550,730, published Nov. 21, 1950. Class 23.

Ploeger-Abbott Company, The, Darien, Ga. Canned oysters, canned crab meat, fresh crab meat, etc. 539,637, Mar. 20; Serial No. 581,441, published Dec. 5, 1950. Class 46.

Plummer, Geo. A., doing business as Clearflow Valves, Berkeley, Calif. Metal foot valves, check valves, and butterfly valves. 539,506, Mar. 20; Serial No. 543,741, published Dec. 12, 1950. Class 13.

Poinsetter Creations, Winnetka, Ill. Toy figures. 539,679, Mar. 20; Serial No. 588,105, published Nov. 21, 1950. Class 22.

Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y., to Polak & Schwarz, Inc., New York, N. Y. Natural and synthetic essential oils, aromatic chemicals, etc. 278,916–7, renewed Jan. 6, 1951. O. G. Mar. 20. Class 6.

Polak & Schwarz, Inc.: *See*—
Polak & Schwarz.

Polar Kraft Metal Awning Company, assignee: *See*—
Metal Awning Company of Memphis.

Poonjiajee, Merwanjee, & Sons, Bombay, India. Chutney. 38,114, Apr. 15, 1902. Republished Mar. 20. Class 46.

Pope & Talbot, Inc., San Francisco, Calif. Lumber. 539,697, Mar. 20; Serial No. 589,987, published Dec. 19, 1950. Class 12.

Price-Pfister Mfg. Co., Los Angeles, Calif. Faucets. 539,485, Mar. 20; Serial No. 508,439, published Dec. 19, 1950. Class 13.

Prim Fashions, Inc., New York, N. Y. Women's dresses. 539,723, Mar. 20; Serial No. 525,677. Class 39.

Prophetic Digest Publishing Company, Collingdale, Pa., assignor to Walterick Printing Company, Fort Dodge, Iowa. Periodical. 539,680, Mar. 20; Serial No. 588,143, published Dec. 26, 1950. Class 38.

Propper-McCallum Hosiery Co., Inc., New York, N. Y. Hosiery. 281,119, renewed Mar. 10, 1951. O. G. Mar. 20. Class 39.

Q-Tips, Inc., Long Island City, N. Y. Certain toilet accessories. 539,700, Mar. 20; Serial No. 590,522, published Dec. 19, 1950. Class 51.

R & G Milk Products, Inc., New York, N. Y. Ice cream. 539,486, Mar. 20; Serial No. 513,685, published Dec. 19, 1950. Class 46.

R. R. Watch Crystal Corp., New York, N. Y. Wrist watch straps. 539,718, Mar. 20; Serial No. 595,513, published Dec. 26, 1950. Class 28.

Radio Corporation of America, New York, N. Y. Electrical systems. 281,281, renewed Mar. 17, 1951. O. G. Mar. 20. Class 21.

Ramsey Laboratories, Cleveland, Ohio. Flavoring preparations. 539,740, Mar. 20; Serial No. 547,659. Class 46.

Rankin, Arthur C., doing business as Rankin Publications, Ottumwa, Iowa. Periodic pamphlets. 539,678, Mar. 20; Serial No. 588,047, published Dec. 26, 1950. Class 38.

Rankin Publications: *See*—
Rankin, Arthur C.

Reed Roller Bit Company, Houston, Tex. Soft formation scrape type earth drilling bits and heads and blades therefor. 539,739, Mar. 20; Serial No. 547,282. Class 23.

Renz, J. F., & Sons Company, The, Lima, Ohio. Bread. 539,690, Mar. 20; Serial No. 588,968, published Dec. 12, 1950. Class 46.

Revlon Products Corporation, New York, N. Y. Lotions. 539,769, Mar. 20; Serial No. 583,617. Class 51.

Riverdale Chemical Company, Harvey, Ill. Preparation for killing weeds. 539,518, Mar. 20; Serial No. 549,278, published Dec. 5, 1950. Class 6.

Robapharm Laboratoriums A. G., Basel, Switzerland. Preparations used in the treatment of osteomalacia, osteoporosis, etc. 539,500, Mar. 20; Serial No. 538,962, published Dec. 12, 1950. Class 18.

Robbins Knitting Company, The, High Point, to The Robbins Knitting Company, Spruce Pine, N. C. Men's, women's, and children's hosiery. 281,670, renewed Mar. 24, 1951. O. G. Mar. 20. Class 39.

Roeding Park Pharmacy, Inc., doing business as Bennetts' Barnett Laboratory, Fresno, Calif. Scalp preparation. 539,554, Mar. 20; Serial No. 561,946, published Dec. 26, 1950. Class 51.

Rosedale Knitting Company, Reading, Pa. Crepe hosiery. 539,770, Mar. 20; Serial No. 583,845. Class 39.

Rovin, Adolph I., Chicago, Ill., doing business as Rulo Products, assignee of Rulo Products. Candy. 539,760, Mar. 20; Serial No. 576,886. Class 46.

Rubinstein, Helena, Inc., New York, N. Y. Skin cleanser. 539,584, Mar. 20; Serial No. 570,616, published Dec. 26, 1950. Class 51.

Rohm Phosphate & Chemical Company, Mount Pleasant, Tenn. Periodicals. 539,628, Mar. 20; Serial No. 579,517, published Dec. 19, 1950. Class 38.

Rulo Products: *See*—
Rovin, Adolph I.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Steel plates and sheets, iron and steel, metal bars and billets, etc. 539,560, Mar. 20; Serial No. 564,905, published Dec. 5, 1950. Class 14.

St. Anthony Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

St. Paul & Tacoma Lumber Co., Tacoma, Wash. Laminated composite boards, plywood, and wallboard. 539,631, Mar. 20; Serial No. 580,035, published Dec. 26, 1950. Class 12.

St. Regis Paper Company, New York, N. Y. Partially finished goods of synthetic resin plastic. 539,491, Mar. 20; Serial No. 532,170, published Jan. 2, 1951. Class 1.

Schmidt, A. O., doing business as A. O. Schmidt Co., to John M. Lazzaretto, doing business as A. O. Schmidt Company, San Francisco, Calif. Vaginal suppositories. 280,083, renewed Feb. 10, 1951. O. G. Mar. 20. Class 18.

Schmidt, A. O., Co.: *See*—
Schmidt, A. O.

Schmidt, A. O., Company: *See*—
Schmidt, A. O.

Schnelerson, I., & Sons., Inc., New York, N. Y. Ladies' and children's princess slips, bloomers, pajamas, etc. 539,745, Mar. 20; Serial No. 558,519. Class 39.

Schuckl & Co., Inc., Sunnyvale, Calif. Canned tomato paste. 539,699, Mar. 20; Serial No. 590,238, published Nov. 14, 1950. Class 46.

Scientific Tablet Company: *See*—
Suppiger, G. S. Company, The.

Searle, G. D., & Co., Skokie, Ill. Medical agent. 537,763, Feb. 13, 1951. Amended. O. G. Mar. 20. Class 18.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Prepared advertising. 539,653, Mar. 20; Serial No. 584,840, published Dec. 26, 1950. Class 38.

Sepia Girl Products Co., assignee: *See*—
Gardner, Frederick D.

Shapleigh Hardware Company, St. Louis, Mo. Ready mixed liquid paint, varnish and enamel. 539,698, Mar. 20; Serial No. 590,105, published Dec. 19, 1950. Class 16.

Shepherd, Glen R., Jr., Kansas City, Kans. Column. 539,759, Mar. 20; Serial No. 576,722. Class 38.

Sherman, Falk, New York, N. Y. Cotton sheets, sheeting, pillowcases, etc. 281,188, renewed Mar. 10, 1951. O. G. Mar. 20. Class 42.

Shoffner, Willie M., Dayton, Ohio. Portable tool stands. 539,535, Mar. 20; Serial No. 556,292, published Nov. 14, 1950. Class 23.

Short, J. R., Milling Company, Chicago, Ill., doing business as Mt. Vernon Milling Company, Mount Vernon, Ind. Corn grits. 539,597–8, Mar. 20; Serial Nos. 572,333–4, published Nov. 7, 1950. Class 46.

Sinam Products Corp., New York, N. Y. Mono-sodium glutamate seasoning powder for food purposes. 539,660, Mar. 20; Serial No. 586,321, published Dec. 5, 1950. Class 46.

Smithway Machine Co., Inc., Seattle, Wash. Woodworking machines. 539,570, Mar. 20; Serial No. 567,050, published Dec. 5, 1950. Class 23.

Société Worth, assignor to Worth, Societe Anonyme, to Worth, Societe Anonyme, Paris, France. Cloaks, jackets, tailored cloaks, etc. 276,978, renewed Nov. 4, 1950. O. G. Mar. 20. Class 39.

Solomon, A., New Orleans, La. Men's, young men's and boys' trousers, outer-wear suits, and outer-wear coats, etc. 539,543, Mar. 20; Serial No. 558,323, published Dec. 26, 1950. Class 39.

Southeastern Mills, Inc.: *See*—
Stivers, Theo., Milling Company.

Southern Belting Company, Atlanta, Ga. Leather and comparable straps for textile machinery. 539,710, Mar. 20; Serial No. 593,753, published Dec. 19, 1950. Class 23.

Southern Sizing Company, Atlanta, Ga. Composition for use in the sizing of yarns. 539,777, Mar. 20; Serial No. 589,047. Class 6.

Sparkle Sales Corporation, The, St. Paul, Minn. Granulated sugar, brown sugar, powdered sugar, etc. 539,729, Mar. 20; Serial No. 492,100. Class 46.

Speedgrip Chuck Co.: *See*—
Speedgrip Chuck, Inc.

Speedgrip Chuck, Inc., assignee of Speedgrip Chuck Co., Elkhart, Ind. Work holders and chucks. 539,730, Mar. 20; Serial No. 508,753. Class 23.

Sport Products, Inc.: *See*—
Crawford, McGregor and Canby Company, The.

Stalfort, John C., & Sons, Inc., Baltimore, Md. Wax. 281,231, renewed Mar. 10, 1951. O. G. Mar. 20. Class 4.

Stange, Wm. J., Co., Chicago, Ill. Dry soluble seasoning materials. 539,652, Mar. 20; Serial No. 584,700, published Oct. 31, 1950. Class 46.

Stanley Drug Products, Inc., Portland, Oreg. Tooth powders, pastes, and mouth rinses. 539,604, Mar. 20; Serial No. 574,643, published May 30, 1950. Class 51.

Steelcraft Manufacturing Company, The, Rossmoyne, Ohio. Sliding steel doors. 539,720, Mar. 20; Serial No. 595,858, published Dec. 19, 1950. Class 12.

Stivers, Theo., Milling Company, to Southeastern Mills, Inc., Rome, Ga. Wheat flour. 280,625, renewed Feb. 24, 1951. O. G. Mar. 20. Class 46.

Stoddard, G. S., & Co., Inc., New York, N. Y. Analgesic and antipyretic. 539,594, Mar. 20; Serial No. 572,063, published Dec. 5, 1950. Class 18.

Storch, Max H., New York, N. Y. Silverplated and sterling silver knives, forks, spoons, and other tableware. 539,779, Mar. 20; Serial No. 590,395. Class 28.

Stout, Byron, Co., Incorporated, Wichita, Kans. Automobile and truck repair. 539,791, Mar. 20; Serial No. 532,882. Class 103.

Stylecraft Lingerie, Inc., New York, N. Y. Ladies' and misses' brassières and slip combinations. 539,786, Mar. 20; Serial No. 595,233. Class 39.

Sunset Farms: *See*—
Davis, Wesley H.

Suppiger, G. S., Company, The, doing business as Scientific Tablet Company, St. Louis, Mo. Machines for depositing flavoring material tablets and capsules in cans, etc. 539,528, Mar. 20; Serial No. 554,172, published Nov. 21, 1950. Class 23.

Swift & Company: *See*—
Swift and Company.

Swift & Company, Chicago, Ill. Glycerol derivative of selected hydrogenated vegetable fats. 539,684, Mar. 20; Serial No. 588,333, published Dec. 5, 1950. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Glue. 282,024, renewed Apr. 7, 1951. O. G. Mar. 20. Class 5.

Swift, M., & Sons, Inc., Hartford, Conn. Metal foil. 539,788, Mar. 20; Serial No. 599,131. Class 14.

Table Games, Incorporated, Skokie, Ill. Mechanical device for playing a game. 539,654, Mar. 20; Serial No. 585,402 published Nov. 21, 1950. Class 22.

Taunton Pearl Works, Taunton, Mass. Cuff links, tie clips. 539,716, Mar. 20; Serial No. 595,478, published Dec. 26, 1950. Class 28.

Taunton Pearl Works, Taunton, Mass. Cuff links, cuff buttons, and shirt studs, etc. 539,717, Mar. 20; Serial No. 595,479, published Dec. 26, 1950. Class 28.

Techkote Company, The, Inglewood, Calif. Air-entraining chemical agent for mixing with concrete. 539,581, Mar. 20; Serial No. 570,282, published Dec. 26, 1950. Class 12.

Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 539,726, Mar. 20; Serial No. 599,679, published Nov. 21, 1950. Class 46.

Textile Mills Company, Chicago, Ill. Ironing board covers. 539,547, Mar. 20; Serial No. 559,068, published Aug. 29, 1950. Class 24.

Tifton Chenille Company, Tifton, Ga. Tufted rugs. 539,789, Mar. 20; Serial No. 601,761. Class 42.

Tuttle & Kift, Inc., Chicago, Ill. Heating units. 539,731, Mar. 20; Serial No. 518,707. Class 21.

U-C-Lite Manufacturing Company, Chicago, Ill. Combination incandescent lights and battery units, and battery charges. 539,790, Mar. 20; Serial No. 602,233. Class 21.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Unique Art Manufacturing Company, Inc., Newark, N. J. Jointed toy monkey. 539,533, Mar. 20; Serial No. 555,466, published Nov. 21, 1950. Class 22.

United Metal Products Corp., Detroit, Mich. Mechanical golf ball markers. 539,541, Mar. 20; Serial No. 557,877, published Nov. 28, 1950. Class 23.

U. S. Industrial Chemicals, Inc., New York, N. Y. Alkyd synthetic resin vehicle used in the manufacture of flat wall paints. 539,667, Mar. 20; Serial No. 587,216, published Dec. 12, 1950. Class 16.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Disinfectant, deodorant, antiseptic, etc. 539,504, Mar. 20; Serial No. 541,360, published Nov. 28, 1950. Class 18.

Upson Company, The, Lockport, N. Y. Wall board. 539,586, Mar. 20; Serial No. 570,995, published Nov. 7, 1950. Class 12.

Valentine & Company, Inc., New York, N. Y. Ready-mixed aluminum paint. 539,530, Mar. 20; Serial No. 554,276, published Dec. 19, 1950. Class 16.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemically-prepared compound. 282,890, renewed May 5, 1951. O. G. Mar. 20. Class 6.

Van Dusen Harrington Co., doing business under the name King Midas Flour Mills, Minneapolis, Minn. Wheat flour. 539,514, Mar. 20; Serial No. 547,796, published Nov. 7, 1950. Class 46.

Van Dusen Harrington Co., doing business under the name National Milling Company, Minneapolis, Minn. Wheat flour. 539,515, Mar. 20; Serial No. 547,798, published Nov. 7, 1950. Class 46.

Van Dyk, James, Co., Inc.: *See*—
Van Dyk, James, Company.

Van Dyk, James, Company, New York, by James Van Dyk Co., Inc., Brooklyn, N. Y. Coffee. 88,434, Sept. 17, 1912. Republished Mar. 20. Class 46.

Van Houten, C. J., & Zoon, to C. J. van Houten & Zoon N. V., Weesp, Netherlands. Cocoa butter. 275,674, renewed Sept. 30, 1950. O. G. Mar. 20. Class 46.

Van Houten, C. J., & Zoon N. V.: *See*—
Van Houten, C. J., & Zoon.

Verband nordostschweiz Käserei-und Milchgenossenschaften, Winterthur, Switzerland. Soft cheese and cheese in boxes. 444,443, Mar. 20; Serial No. 517,024, published Oct. 17, 1950. Class 46.

Vetter Manufacturing Company, Stevens Point, Wis. Combination storm sash and screen. 539,782, Mar. 20; Serial No. 593,031. Class 12.

Vigny, Inc., New York, N. Y. Perfumes. 311,220, Mar. 20, 1934. Republished Mar. 20. Class 51.

Virginia Greenstone Company, Incorporated, Lynchburg, Va. Stone. 539,661, Mar. 20; Serial No. 586,332, published Dec. 19, 1950. Class 12.

Vivette Foundations, Inc., New York, N. Y. Girdles and corsets. 539,526, Mar. 20; Serial No. 554,054, published Dec. 26, 1950. Class 39.

Voelker, Elmer G., Buffalo, N. Y. Sheet metal awnings. 539,613, Mar. 20; Serial No. 576,782, published Jan. 2, 1951. Class 12.

Vogl, Arnold, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine. Canned fish. 539,642, Mar. 20; Serial No. 582,711, published Dec. 19, 1950. Class 46.

Vogt, F. G., & Sons, Incorporated, to Oscar Mayer & Co., Inc., Philadelphia, Pa. Sliced meats. 274,906, renewed Sept. 9, 1950. O. G. Mar. 20. Class 46.

Wahl Clipper Corporation, Sterling, Ill. Electric hair dryers and electric vibrators. 539,711, Mar. 20; Serial No. 594,161, published Jan. 2, 1951. Class 44.

Walter, Charles R., Cleveland, Ohio. Cartoon mats for newspapers. 539,630, Mar. 20; Serial No. 580,005, published Dec. 19, 1950. Class 38.

Walteriek Printing Company: *See*—
Prophetic Digest Publishing Company.

Walton, Izaak, League of America, Inc., Chicago, Ill. Monthly publication. 277,478, renewed Nov. 11, 1950. O. G. Mar. 20. Class 38.

Warrell, Charles, Ruislip, Middlesex, England. Books. 539,663, Mar. 20; Serial No. 586,506, published Dec. 26, 1950. Class 38.

Warrick, Frederic W., Grasse, France, to J. Manheimer, New York, N. Y. Olive oil. 82,187, re-renewed June 6, 1951. O. G. Mar. 20. Class 46.

Washington Iron Works, Seattle, Wash. Castings. 539,494, Mar. 20; Serial No. 533,955, published June 1, 1948. Class 14.

Waspi, Effie M., doing business as Waspi Pain Chaser, Kansas City, Mo. Liniments. 539,772, Mar. 20; Serial No. 585,876. Class 18.

Waspi Pain Chaser: *See*—
Waspi, Effie M.

Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Doors. 539,497, Mar. 20; Serial No. 536,323, published Dec. 26, 1950. Class 12.

Weeks, Charles M., doing business as Weeks Valve Company, Takoma Park, Md. String controlled toy wheel. 539,640, Mar. 20; Serial No. 582,006, published Nov. 21, 1950. Class 22.

Weeks Valve Company: *See*—
Weeks, Charles M.

Wells Lamont Corporation, Chicago, Ill. Gloves. 539,574, Mar. 20; Serial No. 568,139, published Dec. 26, 1950. Class 39.

Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Canned shrimp, canned oysters, canned crabmeat, etc. 539,655, Mar. 20; Serial No. 585,466, published Nov. 21, 1950. Class 46.

West, Joseph L., Columbus, Ohio. Photographic prints, drawings, and sketches. 444,441, Mar. 20; Serial No. 512,468, published Dec. 26, 1950. Class 38.

Westall, Evelyn, doing business as Parfums Evyan Co., New York, N. Y., assignor to Parfums Evyan Inc. Perfume. 539,662, Mar. 20; Serial No. 586,447, published Dec. 19, 1950. Class 51.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instruments. 539,499, Mar. 20; Serial No. 537,382, published Oct. 17, 1950. Class 26.

Wetherbee, Theodore, trading and doing business as Colorado Stick Quick Sales, Denver, Colo. Solidified adhesive. 539,585, Mar. 20; Serial No. 570,916, published Nov. 14, 1950. Class 5.

Willson Products, Inc., Reading, Pa. Ophthalmic protection lenses. 539,695, Mar. 20; Serial No. 589,489, published Oct. 10, 1950. Class 26.

Wimelbacher & Rice, to Wimelbacher & Rice Inc., New York, N. Y. Leather and fabric gloves. 281,458, renewed Mar. 17, 1951. O. G. Mar. 20. Class 39.

Wimelbacher & Rice, to Wimelbacher & Rice Inc., New York, N. Y. Leather and fabric gloves. 283,893, renewed June 9, 1951. O. G. Mar. 20. Class 39.

Wimelbacher & Rice Inc.: *See*—
Wimelbacher & Rice.

Windalume Corporation, West New York, N. J. Aluminum and other metal windows, window frames, etc. 539,548, Mar. 20; 1951; Serial No. 559,364, published Nov. 7, 1950. Class 12.

Winter Garden Citrus Growers' Association, Winter Garden, Fla. Oranges, lemons, grape-fruit, etc. 81,563, renewed Apr. 18, 1951. O. G. Mar. 20; Class 46.

Winthrop-Stearns Inc.: *See*—
I. G. Farbenindustrie Aktiengesellschaft

Worth, Société Anonyme: *See*—
Société Worth

Yale & Towne Manufacturing Co., The: *See*—
Yale and Towne Mfg. Co., The.

Yale and Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Maufacturing Co., New York, N. Y. Push buttons. 277,157, renewed Nov. 11, 1950. O. G. Mar. 20. Class 21.

Yale and Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Co., New York, N. Y. Escutcheons, door handles, door pulls, etc. 277,267, renewed Nov. 11, 1950. O. G. Mar. 20. Class 13.

Yale and Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Co., New York, N. Y. Key-bitting machines. 277,323, renewed Nov. 11, 1950. O. G. Mar. 20. Class 23.

Young, W. T., Foods, Inc., doing busiess as Magic Gold Foods Co., Lexington, Ky. Peanut butter. 539,611, Mar. 20; Serial No. 576,565, published Dec. 5, 1950. Class 46.

Zonite Products Corporation, New York, N. Y. Disposable diaper pads. 539,621, Mar 20; Serial No. 578,431, published Dec. 26, 1950. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Aggregate in bat form. Jensen Manufacturing Company. 431,806, Aug. 12, 1947. Republished Mar. 20.

Chicks. Maple Dale Hatchery. 539,756, Mar. 20; Serial No. 573,377.

Coal. The Clarkson Coal Company. 539,738, Mar. 20; Serial No. 544,850.

Fuel. Great Lakes Coal & Coke Co. 334,584, May 5, 1936. Republished Mar. 20.

Goods of Synthetic resin plastic, Partially finished. St. Regis Paper Company. 539,491, Mar. 20; Serial No. 532,170, published Jan. 2, 1951.

Plant and flower bulbs. Holland Bulb Growers, Inc. 539,752, Mar. 20; Serial No. 565,550.

Plants, bulbs of plants, and field garden, and vegetable seeds. J. T. Lovett. 270,560, renewed May 6, 1950. O. G. Mar. 20.

Seeds, cereals, and foods. James Carter & Co. 34,463, Apr. 10, 1900. Republished Mar. 20.

Skins, Dressed and dyed Persian lamb. Brenner Brothers. 539,748, Mar. 20; Serial No. 560,860.

Tall oil. The Champion Paper and Fibre Company. 539,605, Mar. 20; Serial No. 574,895, published Jan. 2, 1951.

Thermo plastic materials, etc. du Pont Viscoloid Company. 279,516, renewed Jan. 20, 1951. O. G. Mar. 20.

CLASS 4

Wax. John C Stalfort & Sons, Inc. 281,231, renewed Mar. 10, 1951. O. G. Mar. 20.

CLASS 5

Adhesive, Solidified. T. Weatherbee. 539,585, Mar. 20; Serial No. 570,916, published Nov. 14, 1950.

Dry amylaceous-base product. National Starch Products Inc. 539,753, Mar 20; Serial No. 566,165.

Glue. Swift and Company. 282,024, renewed Apr. 7, 1951. O. G. Mar. 20.

CLASS 6

Agglomerates of carbon black and carbon of high purity. Godfrey L. Cabot, Inc. 539,758, Mar 20; Serial No. 575,884.

Belt dressing. Beltonic Products Company. 282,663, renewed Apr. 28, 1951. O. G. Mar. 20.

Chemical products. Firmenich & Co. 539,520, Mar. 20; Serial No. 550,800, published Dec 12, 1950.

Chemical wood preservative. Interchemical Corporation. 439,579, Mar. 20; Serial No. 570,255, published Aug. 29, 1950.

Chemically-prepared compound. R. T. Vanderbilt Company, Inc. 282,890, renewed May 5, 1951. O. G. Mar. 20.

Composition for use in the sizing of yarns. Southern Sizing Company. 539,777, Mar. 20; Serial No. 589,047.

Compound for use as an aid in the vulcanization of rubber. Monsanto Chemical Company. 539,629, Mar. 20; Serial No. 579,549, published Dec. 26, 1950.

Essential oils, Natural and synthetic, aromatic chemicals, etc. Polak & Schwarz. 278,916–17, renewed Jan. 6, 1951. O. G. Mar. 20.

Laundry starch. Corn Products Refining Company. 280,717, renewed Feb. 24, 1951. O. G. Mar. 20.

Liquid for activating adhesive coating. Minnesota Mining & Manufacturing Company. 539,713, Mar. 20; Serial No. 594,276, published Dec. 26, 1950.

Moth repellent preparation. J. H. Hill. 539,623, Mar. 20; Serial No. 578,794, published Dec. 26, 1950.

Peroxide of hydrogen. The Charles Marchand Company. 539,617, Mar. 20; Serial No. 577,724, published Dec. 26, 1950.

Phosphating chemicals. Parker Rust Proof Company. 539,546, Mar. 20; Serial No. 558,923, published Jan. 2, 1951.

Powdered extract product. The Mead Corporation. 439,626, Mar. 20; Serial No. 579,337, published Dec. 26, 1950.

Preparation for killing weeds. Riverdale Chemical Company. 539,518, Mar. 20; Serial No. 549,278, published Dec. 5, 1950.

CLASS 7

Banding, Mule. James H. Billington Co. 360,746, Sept. 27, 1938. Republished Mar. 20.

Ribbon. Freydberg Brothers, Incorporated. 282,631, renewed Apr. 28, 1951. O. G. Mar. 20.

CLASS 8

Tobacco-pipes. B. Barling & Sons. 80,339, re-renewed Dec. 13, 1950. O. G. Mar. 20.

CLASS 12

Asphalt mastic composition. Walter K. P. Baumann & Co. 539,633, Mar. 20; Serial No. 580,458, published Dec. 26, 1950.

Awnings, Metal. Metal Awning Company of Memphis. 539,650, Mar. 20; Serial No. 583,809, published Dec. 19, 1950.

Awnings, Sheet Metal. E. G. Voelker. 539,613, Mar. 20; Serial No. 576,782, published Jan. 2, 1951.

Awnings, Window. Hunter Douglas Corporation. 539,641, Mar. 20; Serial No. 582,605, published Dec. 26, 1950.

Board, Decorated wall. New York Laminating Company. 539,610, Mar. 20; Serial No. 576,008, published Dec. 19, 1950.

Board, Fiber. Minnesota and Ontario Paper Company. 539,767, Mar. 20; Serial No. 581,537.

Board, Pressed wood fiber, and doors. Chapman Manufacturing Co. 539,646, Mar. 20; Serial No. 583,678, published Dec. 26, 1950.

Board, Structural composition. L. J. Carr & Co. 539,634, Mar. 20; Serial No. 580,641, published Jan. 2, 1951.

Board, Wall. The Upson Company. 539,586, Mar. 20; Serial No. 570,095, published Nov. 7, 1950.

Boards, Laminated composite, plywood, and wallboard. St. Paul & Tacoma Lumber Co. 539,631, Mar. 20; Serial No. 580,035, published Dec. 26, 1950.

Brackets for use in the construction of docks, Metal. Central Machine Works Co. 539,607, Mar 20; Serial No. 575,750, published Nov. 7, 1950.

Cement, Bituminous, tar-saturated fabric, asphalt and tar felt, etc. Koppers Company, Inc. 539,606, Mar. 20; Serial No. 575,354, published Nov. 7, 1950.

Cement, High alumina refractory. Harrison-Walker Refractories Company. 539,721, Mar. 20; Serial No. 595,894, published Dec. 19, 1950.

Chemical agent for mixing with concrete, Air-entraining. The Techkote Company. 539,581, Mar. 20; Serial No. 570,282, published Dec. 26, 1950.

Door assemblies, Overhead type track mounted. McKee Door Company. 539,564, Mar. 20; Serial No. 565,712, published Dec. 26, 1950.

Doors, Weber Showcase & Fixture Co., Inc. 539,497, Mar. 20; Serial No. 536,323, published Dec. 26, 1950.

Doors, Metal, and metal frames therefor. Detroit Steel Products Company. 539,619, Mar. 20; Serial No. 578,076, published Jan. 2, 1951.

Doors, Sliding steel. The Steelcraft Manufacturing Company. 539,720, Mar. 20; Serial No. 595,858, published Dec. 19, 1950.

Flooring, Oak. E. L. Bruce Co. 279,815–16, renewed, Jan. 27, 1951. O. G. Mar. 20.

Heat-refractory materials. Norton Company. 539,595, Mar. 20; Serial No. 572,267, published Nov. 7, 1950.

Laminated plastic sheets, Decorative. The Formica Company. 539,599, Mar. 20; Serial No. 572,420, published Jan. 2, 1951.

Lumber. Pope & Talbot, Inc. 539,697, Mar. 20; Serial No. 589,987, published Dec. 19, 1950.

Panels, Porcelain coated metal, and veneer for building surfaces. Architectural Porcelain Constructors. 539,612, Mar. 20; Serial No. 576,613, published Dec. 26, 1950.

Stone. Virginia Greenstone Company, Incorporated. 539,661, Mar. 20; Serial No. 586,332, published Dec. 19, 1950.

Storm sash and screen, Combination. Vetter Manufacturing Company. 539,782, Mar. 20; Serial No. 593,031.

Trellises, Corner, lawn trellises, arbors, etc. Habitant Fence, Inc. 539,715, Mar. 20; Serial No. 595,318, published Dec. 5, 1950.

Windows, Aluminum and other metal, window frames, etc. Windalume Corporation. 539,548, Mar. 20; Serial No. 559,364, published Nov. 7, 1950.

Windows, Combination storm and screen, doors, window casements, etc. Paragon Insulation Company, Inc. 539,502, Mar. 20; Serial No. 565,295, published Dec. 19, 1950.

Windows, sashes, transoms, etc. Binswanger & Co. 539,588, Mar. 20; Serial No. 571,501, published Dec. 26, 1950.

Windows, Steel. Copco Steel & Engineering Company. 539,600, Mar. 20; Serial No. 573,077, published Dec. 26, 1950.

Wood cellulose, Chemically treated. Gamble-Skogmo, Inc. 539,625, Mar. 20; Serial No. 579,315, published Nov. 7, 1950.

Wood treated with chemical preservative. Monsanto Chemical Company. 539,674, Mar. 20; Serial No. 587,643, published Dec. 19, 1950.

CLASS 13

Escutcheons, door handles, door pulls, etc. The Yale and Towne Mfg. Co. 277,267, renewed Nov. 11, 1950. O. G. Mar. 20.

Faucets. Price-Pfister Mfg. Co. 539,485, Mar. 20; Serial No. 508,439, published Dec. 19, 1950.

Piping attachment. Edwards Valves. 539,732, Mar. 20; Serial No. 519,384.

Screw connections and parts thereof. Lock Thread Corporation. 539,728, Mar. 20; Serial No. 539,531, published Mar. 20, 1951.

Seats, Platsic toilet. J. & S. Plastic Products Co., Inc. 539,580, Mar. 20; Serial No. 570,256, published Jan. 2, 1951.

Staples. Markwell Manufacturing Co., Inc. 539,490, Mar. 20; Serial No. 530,750, published Jan. 2, 1951.

Valves. Everlasting Valve Company. 539,583, Mar. 20; Serial No. 570,552, published Jan. 2, 1951.

Valves, Metal foot, check valves, and butterfly valves. G. A. Plummer. 539,506, Mar. 20; Serial No. 543,741, published Dec. 12, 1950.

CLASS 14

Bronze bars, and bronze plates. The Murray Company of Texas, Inc. 539,776, Mar. 20; Serial No. 588,877.

Castings. Washington Iron Works. 539,494, Mar. 20; Serial No. 533,955, published June 1, 1948.

Iron, Pig. The Hanna Furnace Corporation. 539,589–90, Mar. 20; Serial Nos. 571,640–1, published Dec. 5, 1950.

Metal foil. M. Swift & Sons, Inc. 539,788, Mar. 20; Serial No. 599,131.

Steel plates and sheets, Iron and steel, metal bars and billets, etc. Joseph T. Ryerson & Son, Inc. 539,560, Mar. 20; Serial No. 564,905, published Dec. 5, 1950.

Steel, Tool. Crucible Steel Company of America. 539,555, Mar. 20; Serial No. 562,836, published May 2, 1950.

CLASS 15

Oils and greases, Lubricating. Chicago Pneumatic Tool Company. 278,921, renewed Jan. 6, 1951. O. G. Mar. 20.

Oils, Cutting. E. F. Houghton & Co. 282,768, renewed Apr. 28, 1951. O. G. Mar. 20.

CLASS 16

Oil, Dehydrated castor, modified dehydrated castor oil, and modified linseed oil, for use in paints, varnishes, etc. The Baker Castor Oil Company. 539,707, Mar. 20; Serial No. 592,537, published Dec. 19, 1950.

Paint, Ready-mixed aluminum. Valentine & Company, Inc. 539,530, Mar. 20; Serial No. 554,276, published Dec. 19, 1950.

Paint, Ready mixed liquid, varnish and enamel. Shapleigh Hardware Company. 539,698, Mar. 20; Serial No. 590,105, published Dec. 19, 1950.

Paints, Interior and exterior; calcimines; paint and baking enamels; etc. Patek Brothers, Inc. 539,489, Mar. 20; Serial No. 530,675, published Dec. 19, 1950.

Paints, paint finishes, paint enamel finishes, etc. The Lowe Brothers Company. 282,606, renewed Apr. 28, 1951. O. G. Mar. 20.

Paints, Ready-mixed interior and exterior; varnishes; etc. Devoe & Raynolds Company, Inc. 539,529, Mar. 20; Serial No. 554,212, published Dec. 19, 1950.

Paints, Ready mixed, protective paint coatings and thinners, etc. Humble Oil & Refining Company. 539,701, Mar. 20; Serial No. 590,598, published Dec. 19, 1950.
Resin vehicle used in the manufacture of flat wall paints, Alkyd synthetic. U. S. Industrial Chemicals, Inc. 539,667, Mar. 20; Serial No. 587,216, published Dec. 12, 1950.
Wax, Floor, and furniture wax. B. Altman & Co. 539,578, Mar. 20; Serial No. 570,160, published Dec. 19, 1950.

CLASS 17

Cigars. Compañia General de Tabacos de Filipinas. 79,720, re-renewed Oct. 4, 1950. O. G. Mar. 20.
Cigars. Compañia General de Tabacos de Filipinas. 79,723–7, re-renewed Oct. 4, 1950. O. G. Mar. 20.
Cigars. Compañia General de Tabacos de Filipinas. 79,732–3, re-renewed Oct. 4, 1950. O. G. Mar. 20.
Cigars. Compañia General de Tabacos de Filipinas. 79,736, re-renewed Oct. 4, 1950. O. G. Mar. 20.

CLASS 18

Analgesic and antipyretic. G. S. Stoddard & Co., Inc. 539,594, Mar. 20; Serial No. 572,063, published Dec. 5, 1950.
Antiseptics, bactericides and germicides. C. A. Mosso Company. 539,558, Mar. 20; Serial No. 564,083, published Dec. 26, 1950.
Biologics, Human and veterinary; clostridium hemolyticum bacterin, etc. Cutter Laboratories. 539,638, Mar. 20; Serial No. 581,471, published Dec. 26, 1950.
Chemical, pharmaceutical, and biological products. Eli Lilly and Company. 283,972, renewed June 9, 1951. O. G. Mar. 20.
Disinfectant, deodorant, antiseptic, etc. U. S. Sanitary Specialties Corporation. 539,504, Mar. 20; Serial No. 541,360, published Nov. 28, 1950.
Guinea pig complement. Carworth Farms, Inc. 539,592, Mar. 20; Serial No. 571,844, published Dec. 19, 1950.
Histidine compounds. Organic Chemicals, Inc. 539,540, Mar. 20; Serial No. 557,765, published May 10, 1949.
Liniment. E. M. Waspi. 539,772, Mar. 20; Serial No. 585,876.
Liquid preparation used in combating the pityrosphorumovale. Bruce Pharmaceutical Distributing Corp. 539,602, Mar. 20; Serial No. 573,450, published Nov. 7, 1950.
Liver-extract preparation. I. G. Farbenindustrie Aktiengesellschaft. 283,795, renewed June 9, 1951. O. G. Mar. 20.
Medical agent. G. D. Searle & Co. 537,763, Feb. 13, 1951. Amended. O. G. Mar. 20.
Medicinal preparation. Gynecological Specialties. 539,632, Mar. 20; Serial No. 580,363, published Dec. 26, 1950.
Medicinal preparation. Hoffmann-La Roche Inc. 283,775, renewed June 9, 1951. O. G. Mar. 20.
Medicinal preparation. Lactia Company. 539,757, Mar. 20; Serial No. 575,711.
Pharmaceutical preparation. Nutrition Research Laboratories. 539,647–8, Mar. 20; Serial Nos. 583,706–7, published Dec. 19, 1950.
Preparations used in the treatment of osteomalacia, osteoporosis, etc. Robapharm Laboratoriums A. G. 539,500, Mar. 20; Serial No. 538,962, published Dec. 12, 1950.
Suppositories, Vaginal. A. O. Schmidt. 280,083, renewed Feb. 10, 1951. O. G. Mar. 20.

CLASS 21

Electric tools, Portable or hand-supported. Chicago Pneumatic Tool Company. 278,920, renewed Jan. 6, 1951. O. G. Mar. 20.
Electrical systems. Radio Corporation of America. 281,281, renewed Mar. 17, 1951. O. G. Mar. 20.
Fans, Electric. Diehl Manufacturing Company. 280,741, renewed Feb. 24, 1951. O. G. Mar. 20, 1951.
Heating units. Tuttle & Kift, Inc. 539,731, Mar. 20; Serial No. 518,707.
Lights and battery units, Combination incandescent, and battery charges. U-C-Lite Manufacturing Company. 539,790, Mar. 20; Serial No. 602,233.
Push buttons. The Yale and Towne Mfg. Co. 277,157, renewed Nov. 11, 1950. O. G. Mar. 20.

CLASS 22

Device for playing a game, Mechanical. Table Games, Incorporated. 539,654, Mar. 20; Serial No. 585,402, published Nov. 21, 1950.
Dolls. Ideal Novelty & Toy Co. 283,841, renewed June 9, 1951. O. G. Mar. 20.
Dolls. Ideal Novelty & Toy Co. 539,784, Mar. 20; Serial No. 594,466.
Dolls and dolls' clothes. International Doll Co., Inc. 539,531, Mar. 20; Serial No. 554,573, published Nov. 21, 1950.
Fishing line, Bait casting. Cortland Line Company, Inc. 539,727, Mar. 20; Serial No. 604,505, published Jan. 2, 1951.
Game. James Industries, Inc. 539,675, Mar. 20; Serial No. 587,729, published Nov. 21, 1950.
Golf clubs. The Crawford, McGregor and Canby Company. 282,447, renewed Apr. 21, 1951. O. G. Mar. 20.
Hoops, Children's. W. L. Dumas. 539,505, Mar. 20; Serial No. 541,723, published Nov. 21, 1950.
Sand boxes and play pools, etc., Children's. American Metal Specialties Corp. 539,703, Mar. 20; Serial No. 590,925, published Nov. 21, 1950.
Swings, Children's play. E. H. Hurley. 539,672, Mar. 20; Serial No. 587,635, published Nov. 21, 1950.
Toy figures. Poinsetter Creations. 539,679, Mar. 20; Serial No. 588,105, published Nov. 21, 1950.
Toy wheel, String controlled. C. M. Weeks. 539,640, Mar. 20; Serial No. 582,006, published Nov. 21, 1950.
Toy monkey, Jointed. Unique Art Manufacturing Company, Inc. 539,533, Mar. 20; Serial No. 555,466, published Nov. 21, 1950.
Toys. Bay State Products Corporation. 539,671, Mar. 20; Serial No. 587,526, published Nov. 21, 1950.
Toys. Colvin Corporation. 539,575, Mar. 20; Serial No. 568,155, published Nov. 21, 1950.

CLASS 23

Apparatus for producing and dispensing carbonated and non-carbonated beverages. Lou Gottlieb & Son, Inc. 539,534, Mar. 20; Serial No. 556,259, published Nov. 14, 1950.
Bearings, Ball. Marlin-Rockwell Corporation. 539,537, Mar. 20; Serial No. 556,969, published Nov. 21, 1950.
Bearings, Ball. Marlin-Rockwell Corporation. 539,538, Mar. 20; Serial No. 556,972, published Nov. 21, 1950.
Bits, Soft formation scrape type earth drilling, and heads and blades therefor. Reed Roller Bit Company. 539,739, Mar. 20; Serial No. 547,282.
Brake shoe lining bonding apparatus. The Permafuse Corp. 539,704, Mar. 20; Serial No. 591,512, published Dec. 5, 1950.
Clamps, Sheet metal, and hand tools. Monogram Manufacturing Company. 539,635, Mar. 20; Serial No. 580,735, published Nov. 14, 1950.
Dispenser, Twine. E. Cowan. 539,651, Mar. 20; Serial No. 584,191, published Nov. 21, 1950.
Fire extinguishers, Stationary automatic. International Fire Equipment Corporation. 278,124, renewed Dec. 2, 1950. O. G. Mar. 20.
Foundry equipment. Plastic Corporation of Chicago. 539,519, Mar. 20; Serial No. 550,730, published Nov. 21, 1950.
Golf ball markers, Mechanical. United Metal Products Corp. 539,541, Mar. 20; Serial No. 557,877, published Nov. 28, 1950.
Hoist, Stationary. Globe Hoist Company. 539,778, Mar. 20; Serial No. 589,504.
Key-bitting machines. The Yale and Towne Mfg. Co. 277,323, renewed Nov. 11, 1950. O. G. Mar. 20.
Lift mechanisms, Hydraulic. The Daybrook Hydraulic Corporation. 539,582, Mar. 20; Serial No. 570,482, published Nov. 28, 1950.
Machines for depositing flavoring material tablets and capsules in cans, etc. The G. S. Suppiger Company. 539,528, Mar. 20; Serial No. 554,172, published Nov. 21, 1950.
Peeler and de-veiner implements, Shrimp. S. A. Paoli. 539,639, Mar. 20; Serial No. 581,976, published Nov. 14, 1950.
Presses, dryers, screening or settling tanks, etc., Mechanical. The V. D. Anderson Company. 539,693, Mar. 20; Serial No. 589,370, published Dec. 5, 1950.
Pulverizers and crushers. The Jeffrey Manufacturing Co. 280,736, renewed Feb. 24, 1951. O. G. Mar. 20.
Pumps, Non-self-measuring hand-operated fluid, vacuum pumps, etc. Lear, Incorporated. 539,673, Mar. 20; Serial No. 587,637, published Nov. 14, 1950.
Razors and blades, Safety. The Krect Razor Co. 539,736, Mar. 20; Serial No. 541,429.
Sectionizers, Hand-operated mechanical lemon. California Fruit Growers Exchange. 539,649, Mar. 20; Serial No. 583,792, published Nov. 14, 1950.
Straps for textile machinery, Leather and comparable. Southern Belting Company. 539,710, Mar. 20; Serial No. 593,753, published Dec. 19, 1950.
Terminal stop for use with crimping tools, Self-aligning. Aircraft-Marine Products, Inc. 539,618, Mar. 20; Serial No. 577,768, published Nov. 14, 1950.
Tire molds. James C. Heintz & Company, Inc. 539,706, Mar. 20; Serial No. 592,320, published Dec. 5, 1950.
Tool stands, Portable. W. M. Shoffner. 539,535, Mar. 20; Serial No. 556,292, published Nov. 14, 1950.
Tractors. American Tractor Corporation. 539,691, Mar. 20; Serial No. 589,061, published Nov. 14, 1950.
Tractors, Automotive. C. E. Casady. 539,559, Mar. 20; Serial No. 564,859, published Nov. 21, 1950.
Woodworking machines. Smithway Machine Co., Inc. 539,570, Mar. 20; Serial No. 567,050, published Dec. 5, 1950.
Work holders and chucks. Speedgrip Chuck, Inc. 539,730, Mar. 20; Serial No. 508,753.

CLASS 24

Ironing board covers. Textile Mills Company. 539,547, Mar. 20; Serial No. 559,068, published Aug. 29, 1950.

CLASS 26

Apparatus for testing the effect of weather upon the surfaces of objects, etc. Atlas Electric Devices Co. 539,587, Mar. 20; Serial No. 571,248, published Sept. 26, 1950.
Coring equipment. Eastman Oil Well Survey Company. 539,525, Mar. 20; Serial No. 552,641, published Sept. 26, 1950.
Lenses, Ophthalmic protection. Willson Products, Inc. 539,695, Mar. 20; Serial No. 589,489, published Oct. 10, 1950.
Light source apparatus for motion picture projectors, Electrical pulsed. General Electric Company. 539,577, Mar. 20; Serial No. 569,694, published Oct. 10, 1950.
Measuring instruments, Electrical. Westinghouse Electric Corporation. 539,499, Mar. 20; Serial No. 537,382, published Oct. 17, 1950.
Motion pictures. Paramount Publix Corporation. 280,931, renewed Mar. 3, 1951. O. G. Mar. 20.
Photographic apparatus. Graflex, Inc. 539,689, Mar. 20; Serial No. 588,949, published Oct. 10, 1950.
Short wave lamp, Hand manipulable. Kemart Corporation. 539,527, Mar. 21; Serial No. 554,127, published Mar. 7, 1950.
Tachometer. The Hays Corporation. 539,556, Mar. 20; Serial No. 563,117, published Sept. 26, 1950.

CLASS 27

Clocks. Dinson Clock Corp. 539,681–2, Mar. 20; Serial Nos. 588,167–8, published Dec. 26, 1950.
Watchcases. Lewitt Bros. & Co., Inc. 539,659, Mar. 20; Serial No. 586,093, published Dec. 26, 1950.

CLASS 28

Bracelets. The Gruen Watch Company. 539,709, Mar. 20; Serial No. 593,637, published Dec. 26, 1950.
Bracelets, Expansion, ornamental pins, pendants, etc. Briggs, Bates & Bacon Company. 539,712, Mar. 20; Serial No. 594,193, published Dec. 26, 1950.
Cuff links, cuff buttons, and shirt studs, etc. Taunton Pearl Works. 539,717, Mar. 20; Serial No. 595,479, published Dec. 26, 1950.
Cuff links, tie clips. Taunton Pearl Works. 539,716, Mar. 20; Serial No. 595,478, published Dec. 26, 1950.
Knives, forks, spoons, Silverplated and sterling silver, and other tableware. M. H. Storch. 539,779, Mar. 20; Serial No. 590,395.
Pins, Clutch. Novelty Jewelry Co. 539,705, Mar. 20; Serial No. 591,859, published Dec. 26, 1950.
Rings, Finger. W. B. Dorrer. 539,687, Mar. 20; Serial No. 588,790, published Dec. 26, 1950.
Straps, Wrist watch. R. R. Watch Crystal Corp. 539,718, Mar. 20; Serial No. 595,513, published Dec. 26, 1950.

CLASS 29

Brushes, Nail, hand, bath, complexion, infant and lather, and powder puffs. 82,084, re-renewed May 30, 1951. O. G. Mar. 20.
Brushes, Tooth, hair, military, clothes and hat. Holton & Adams, Inc. 81,710, re-renewed May 2, 1951. O. G. Mar. 20.

CLASS 33

Glass jars. Kerr Glass Manufacturing Corporation. 282,676, renewed Apr. 28, 1951. O. G. Mar. 20.

CLASS 35

Gaskets, high-pressure hose, etc. Chicago Pneumatic Tool Company. 280,617, renewed Feb. 24, 1951. O. G. Mar. 20.

CLASS 37

Paper, Safety. Baldwin Paper Company, Inc. 282,812, renewed May 5, 1951. O. G. Mar. 20.
Pencils. American Lead Pencil Company. 280,470, renewed Feb. 17, 1951. O. G. Mar. 20.

CLASS 38

Advertising, Prepared. The H. A. Seinsheimer Company. 539,653, Mar. 20; Serial No. 584,840, published Dec. 26, 1950.
Books. C. Warrell. 539,663, Mar. 20; Serial No. 586,506, published Dec. 26, 1950.
Cards, Greeting, printed greeting folders, printed seals and printed decorative tags. Norcross, Inc. 539,683, Mar. 20; Serial No. 588,228, published Dec. 19, 1950.
Cartoon mats for newspapers. C. R. Walter. 539,630, Mar. 20; Serial No. 580,005, published Dec. 19, 1950.
Column. G. R. Shepherd, Jr. 539,759, Mar. 20; Serial No. 576,722.
Columns or sections, Newspaper. E. H. Butler. 539,501, Mar. 20; Serial No. 539,649, published Dec. 26, 1950.
Drawings for constructing agricultural buildings. Doane Agricultural Service, Inc. 539,511, Mar. 20; Serial No. 545,965, published Dec. 26, 1950.
Labels, Metal foil character-bearing. C & H Supply Company. 539,616, Mar. 20; Serial No. 577,705, published Dec. 26, 1950.
Letter, Semi-monthly. Robert Moore & Co. 539,565, Mar. 20; Serial No. 565,860, published Dec. 12, 1950.
Magazines or periodicals. Connecticut General Life Insurance Company. 539,636, Mar. 20; Serial No. 580,925, published Dec. 19, 1950.
Pamphlets, Periodic. A. C. Rankin. 539,678, Mar. 20; Serial No. 588,047, published Dec. 26, 1950.
Periodical. American Chemical Society. 539,643, Mar. 20; Serial No. 582,811, published Dec. 26, 1950.
Periodical. Prophetic Digest Publishing Company. 539,680, Mar. 20; Serial No. 588,143, published Dec. 26, 1950.
Periodical, Printed. Bradbury, Agnew & Co. Limited. 539,532, Mar. 20; Serial No. 555,370, published Dec. 19, 1950.
Periodicals. Ruhm Phosphate & Chemical Company. 539,628, Mar. 20; Serial No. 579,517, published Dec. 19, 1950.
Plans, material, and layouts, Prepared advertising. Bliss Display Corp. 539,620, Mar. 20; Serial No. 578,314, published Dec. 26, 1950.
Prints, Photo. J. H. Langtry. 539,507–8, Mar. 20; Serial Nos. 543,940–1, published Dec. 26, 1950.
Prints, Photographic, drawings, and sketches. J. L. West. 444,441, Mar. 20; Serial No. 512,468, published Dec. 26, 1950.
Program in the form of a magazine. Los Angeles Junior Chamber of Commerce. 539,550, Mar. 20; Serial No. 560,338, published Dec. 26, 1950.
Publication, Confectionery trade. S. H. Cady, Jr. 539,516, Mar. 20; Serial No. 548,572, published Dec. 26, 1950.
Publication, Monthly. Izaak Walton League of America, Inc. 277,478, renewed Nov. 11, 1950. O. G. Mar. 20.
Publication, Monthly. Miller Freeman Publications of California. 539,615, Mar. 20; Serial No. 577,635, published Dec. 26, 1950.
Publication, Monthly trade. American Dental Trade Association. 278,844, renewed Dec. 30, 1950. O. G. Mar. 20.
Publication, Periodical. Motor Cargo, Inc. 539,771, Mar. 20; Serial No. 585,499.
Publications. Armstrong Cork Company. 539,644, Mar. 20; Serial No. 582,812, published Dec. 26, 1950.

CLASS 39

Blouses. J. Nachman. 539,496, Mar. 20; Serial No. 535,174, published Dec. 26, 1950.
Brassières and slip combinations, Ladies' and misses'. Stylecraft Lingerie, Inc. 539,786, Mar. 20; Serial No. 595,233.
Cloaks, jackets, tailored cloaks, etc. Societe Worth. 276,978, renewed Nov. 4, 1950. O. G. Mar. 20.
Clothing, and accessories, Women's and girls' and children's and infants' coats, etc. Engle, Jane, Inc. 539,614, Mar. 20; Serial No. 577,374, published Dec. 26, 1950.
Clothing for fat or stout men. Burns Martin Co. 539,553, Mar. 20; Serial No. 561,717, published Jan. 2, 1951.
Clothing, Ladies', girls' and gentlemen's. Eerste Nederlandsche Dames- en Kindermantelfabriek H. Berghaus N. V. 539,627, Mar. 20; Serial No. 579,384, published Nov. 14, 1950.
Coats and suits, Ladies'. Betty Fashions, Inc. 539,576, Mar. 20; Serial No. 568,235, published Dec. 26, 1950.
Diaper pads, Disposable. Zonite Products Corporation. 539,621, Mar. 20; Serial No. 578,431, published Dec. 26, 1950.
Dresses, negligees, housecoats, etc., Ladies'. Jean Frocks, Inc. 539,783, Mar. 20; Serial No. 594,127.
Dresses, Women's. Prim Fashions, Inc. 539,733, Mar. 20; Serial No. 525,677.
Girdles and corsets. Vivette Foundations, Inc. 539,526, Mar. 20; Serial No. 554,054, published Dec. 26, 1950.
Girdles, panty girdles, and combination corsets and brassières. The H. W. Gossard Co. 539,780, Mar. 20; Serial No. 591,676.
Gloves. Bacmo Postman Corp. 539,781, Mar. 20; Serial No. 592,068.
Gloves. Dent, Allcroft & Co. 80,990, re-renewed Feb. 21, 1951. O. G. Mar. 20.
Gloves. Wells Lamont Corporation. 539,574, Mar. 20; Serial No. 568,139, published Dec. 26, 1950.
Gloves, Leather and fabric. Wimelbacher & Rice. 281,458, renewed Mar. 17, 1951. O. G. Mar. 20.
Gloves, Leather and fabric. Wimelbacher & Rice. 283,893, renewed June 9, 1951. O. G. Mar. 20.
Hair nets. American Human Hair Goods Co. 539,571, Mar. 20; Serial No. 567,167, published Dec. 26, 1950.
Handkerchiefs. Heller & Long. 74,688, re-renewed Aug. 3, 1949. O. G. Mar. 20.
Hats and hat bodies, Women's, men's, boys' and girls'. Merrimac Hat Corporation. 444,440, Mar. 20; Serial No. 511,230, published Nov. 29, 1949.
Hats, caps, neckties, etc., Men's and boys'. Lebanon Shirt Company. 274,472, renewed Aug. 26, 1950. O. G. Mar. 20.
Heels and soles, Rubber. The Holtite Manufacturing Company. 539,591, Mar. 20; Serial No. 571,696, published Dec. 26, 1950.
Hosiery. Chas. Chipman's Sons. 61,376, Mar. 19, 1907. Republished Mar. 20.
Hosiery. Chas. Chipman's Sons. 77,296, Mar. 29, 1910. Republished Mar. 20.

Hosiery. Chas. Chipman's Sons Co., Inc. 129,439, Feb. 24, 1920. Republished Mar. 20.
Hosiery. Murphy, Brill & Sabner, Inc. 539,744, Mar. 20; Serial No. 554,391.
Hosiery. Phoenix Hosiery Company. 278,870, Dec. 30, 1930. Republished Mar. 20.
Hosiery. Phoenix Hosiery Company. 282,728, renewed Apr. 28, 1951. O. G. Mar. 20.
Hosiery. Propper-McCallum Hosiery Co., Inc. 281,119, renewed Mar. 10, 1951. O. G. Mar. 20.
Hosiery, Crepe. Rosedale Knitting Company. 539,770, Mar. 20; Serial No. 583,845.
Hosiery, Men's, women's, and children's. The Robbins Knitting Company. 281,670, renewed Mar. 24, 1951. O. G. Mar. 20.
Hosiery, Women's. H. Bailey. 539,522, Mar. 20; Serial No. 551,755, published July 5, 1949.
Jackets. Peck & Peck. 539,624, Mar. 20; Serial No. 579,289, published Dec. 26, 1950.
Lingerie, Ladies'. Dixie Belle Textiles, Inc. 444,445, Mar. 20; Serial No. 523,178, published Dec. 26, 1950.
Shirts and pajamas, Men's and boys' outer. The Hallmark Shirt Co., Inc. 444,446, Mar. 20; Serial No. 525,820, published Dec. 12, 1950.
Shirts, Men's dress and negligee, underwear, and pajamas. The Enro Shirt Company. 539,737, Mar. 20; Serial No. 542,824.
Shoes, Infants, children's, and growing girls'. A. G. Behn Shoe Company. 539,509, Mar. 20; Serial No. 545,222, published Dec. 26, 1950.
Shoes, Women's and misses'. I. Miller & Sons, Inc. 539,510, Mar. 20; Serial No. 545,506, published Dec. 26, 1950.
Slips, Ladies, and children's princess, bloomers, pajamas, etc. I. Schneierson & Sons, Inc. 539,745, Mar. 20; Serial No. 558,519.
Soles, Rubber. Essex Rubber Company. 539,523, Mar. 20; Serial No. 552,447, published Jan. 2, 1951.
Topcoats, overcoats, coats, etc. L. Greif & Bro., Inc. 539,596, Mar. 20; Serial No. 572,303, published Jan. 2, 1951.
Trousers, outer-wear suits, and outer-wear coats, etc., Men's, young men's, and boys'. A. Solomon. 539,543, Mar. 20; Serial No. 558,323, published Dec. 26, 1950.
Uniforms, caps, and aprons for misses. Henry A. Dix & Sons Corporation. 278,786, renewed Dec. 30, 1950. O. G. Mar. 20.
Wear, Infants' and children's. Belk's Buying Service, Incorporated. 539,536, Mar. 20; Serial No. 556,539, published Dec. 26, 1950.
Wearing apparel, Women's fur. Hadley Finsterwald Company. 539,755, Mar. 20; Serial No. 570,104.

CLASS 40

Fasteners, Staple like metallic. Heaton-Peninsular Button Fastener Co. 80,920, re-renewed Feb. 14, 1951. O. G. Mar. 20.
Plastic and cotton cording. Metropolitian Bias Binding Co. 539,735, Mar. 20; Serial No. 540,847.

CLASS 42

Bedspreads, draperies, sheets, etc. Bates Manufacturing Company. 539,750, Mar. 20; Serial No. 561,549.
Corduroys in the piece. A. D. Juilliard & Co., Inc. 283,195, renewed May 19, 1951. O. G. Mar. 20.
Curtains, Window, and curtain fabrics. Brandvein & Co., Inc. 539,764–5, Mar. 20; Serial No. 581,168–9.
Denim in the piece. Erwin Cotton Mills Company. 539,734, Mar. 20; Serial No. 534,613.
Fabric ribbons. Kaiser Sales, Inc. 539,761, Mar. 20; Serial No. 576,919.
Fabric tubing, Textile. Gittlin Bag Company. 539,787, Mar. 20; Serial No. 596,491.
Piece goods. Lesher, Whitman & Co., Inc. 280,921, renewed Mar. 3, 1951. O. G. Mar. 20.
Piece goods, Woolen. Forstmann & Huffmann Company. 279,765, renewed Jan. 20, 1951. O. G. Mar. 20.
Piece goods, Woolen. Forstmann Woolen Co. 539,785, Mar. 20; Serial No. 595,202.
Rugs, Tufted. Tifton Chenille Company. 539,789, Mar. 20; Serial No. 601,761.
Sheets, sheeting, pillowcases, etc., Cotton. F. Sherman. 281,188, renewed Mar. 10, 1951. O. G. Mar. 20.

CLASS 44

Absorbent cotton, and surgical dressings. Johnson & Johnson. 539,566, Mar. 20; Serial No. 566,602, published Jan. 2, 1951.
Autoclaves for the sterilization of dental, medical, and surgical objects, and the like. National Pressure Cooker Company. 539,601, Mar. 20; Serial No. 573,434, published Jan. 2, 1951.
Electromedical apparatus. N. V. Philips' Gloeilampenfabrieken. 278,248, renewed Dec. 9, 1950. O. G. Mar. 20.
Gas mask assembly. E. D. Bullard Company. 539,573, Mar. 20; Serial No. 567,948, published Jan. 2, 1951.
Gauze, Absorbent, sterilized gauze, surgical gauze, and other gauze. Johnson & Johnson. 539,567, Mar. 20; Serial No. 566,611, published Jan. 2, 1951.
Hair dryers and electric vibrators, Electric. Wahl Clipper Corporation. 539,711, Mar. 20; Serial No. 594,161, published Jan. 2, 1951.
Hospital commodes, Portable. W. S. Horn. 539,768, Mar. 20; Serial No. 581,923.
Prophylactic membraneous articles. Aronab Products Co. 539,746, Mar. 20; Serial No. 558,617.
Sanitary napkins. Cellulose Products Corporation. 539,609, Mar. 20; Serial No. 575,887, published Jan. 2, 1951.
Teeth, Porcelain-tip bridge, porcelain-root bridge teeth, etc. Henry P. Boos Dental Laboratories, Inc. 539,658, Mar. 20; Serial No. 585,826, published July 25, 1950.
Truss, Athletic. Industrial Engineering Associates. 539,751, Mar. 20; Serial No. 563,619.
X-ray apparatus, Stationary and portable. Picker X-Ray Corporation, Waite Manufacturing Division, Inc. 539,503, Mar. 20; Serial No. 540,314, published Jan. 2, 1951.

CLASS 46

Almonds, Shelled, in boxes, almonds in shell in bags, etc. Donald H. Bain, Ltd. 272,755, renewed July 15, 1950. O. G. Mar. 20.
Anchovies, apricots, artichokes, etc. J. Ossola Co., Inc. 539,513, Mar. 20; Serial No. 547,272, published Oct. 31, 1950.
Asparagus, Fresh, fresh potatoes, fresh grapes, etc. Di Giorgio Fruit Corporation. 539,666, Mar. 20; Serial No. 586,740, published Nov. 28, 1950.
Bread. The J. F. Renz & Sons Company. 539,690, Mar. 20; Serial No. 588,968, published Dec. 12, 1950.
Butter. The Elgin Butter Company. 36,163, re-renewed Apr. 2, 1951. O. G. Mar. 20.
Candies. Life Savers Corporation. 539,686, Mar. 20; Serial No. 588,694, published Dec. 5, 1950.
Candy. E. J. Brach & Sons. 539,517, Mar. 20; Serial No. 549,224, published Nov. 21, 1950.
Candy. E. J. Brach & Sons. 539,551, Mar. 20; Serial No. 561,223, published Nov. 28, 1950.
Candy. King Candy Company. 539,742, Mar. 20; Serial No. 552,665.
Candy. Norris Inc. 539,749, Mar. 20; Serial No. 561,033.
Candy. A. I. Rovin. 539,760, Mar. 20; Serial No. 576,886.
Canned and dehydrated dog and cat food. Gibson Packing Company. 539,775, Mar. 20; Serial No. 587,259.
Canned chop suey and noodles, soy sauce, tea balls, etc. Chin & Lee Co., Inc. 539,603, Mar. 20; Serial No. 574,570, published Nov. 21, 1950.
Canned fish. A. Vogl. 539,642, Mar. 20; Serial No. 582,711, published Dec. 19, 1950.
Canned mackerel and canned sardines. California Marine Curing & Packing Co. 539,568, Mar. 20; Serial No. 586,791, published Dec. 20, 1949.
Canned oysters, canned crab meat, fresh crab meat, etc. The Ploeger-Abbott Company. 539,637, Mar. 20; Serial No. 581,441, published Dec. 5, 1950.
Canned pork luncheon meat. Cudahy Brothers Co. 539,549, Mar. 20; Serial No. 560,322, published Dec. 19, 1950.
Canned products; bottled whole pepper sauce, etc. Pine Grove Canning Company, Inc. 539,524, Mar. 20; Serial No. 552,605, published Dec. 12, 1950.
Canned salmon. Deming & Gould Co. 81,056, re-renewed Feb. 28, 1951. O. G. Mar. 20.
Canned salmon. Pacific American Fisheries. 81,096, re-renewed Feb. 28, 1951. O. G. Mar. 20.
Canned salmon. Pacific American Fisheries. 81,165, re-renewed Mar. 7, 1951. O. G. Mar. 20.
Canned shrimp, canned oysters, canned crabmeat, etc. Wesson Oil & Snowdrift Co., Inc. 539,655, Mar. 20; Serial No. 585,466, published Nov. 21, 1950.
Canned tomato paste. Schuckl & Co., Inc. 539,699, Mar. 20; Serial No. 590,238, published Nov. 14, 1950.
Canned tomatoes. Flotill Products, Incorporated. 539,774, Mar. 20; Serial No. 586,748.
Cereal, Specially prepared dry uncooked, powdered beef bone, etc. Mead Johnson & Company. 539,487, Mar. 20; Serial No. 516,943, published Jan. 2, 1951.
Cheese food spread. Armour and Company. 539,492, Mar. 20; Serial No. 532,192, published Dec. 19, 1950.
Cheese, Soft, and cheese in boxes. Verband Nordostschweiz. Käserei- und Milchgenossenschaften. 444,443, Mar. 20; Serial No. 517,024, published Oct. 17, 1950.
Chickens, Dressed. L. B. MacDowell. 539,743, Mar. 20; Serial No. 533,881.
Chutney. Merwanjee Poonjiajee & Sons. 38,114, Apr. 15, 1902. Republished Mar. 20, 1951.
Cocoa butter. C. J. Van Houten & Zoon. 275,674, renewed Sept. 30, 1950. O. G. Mar. 20.
Coffee. Atwood Coffee Company. 539,512, Mar. 20; Serial No. 546,165, published Dec. 5, 1950.
Coffee. James Van Dyk Company. 88,434, Sept. 17, 1912. Republished Mar. 20.
Compound sold in bulk to commercial and industrial bakers. D. A. Battiste. 444,444, Mar. 20; Serial No. 522,706, published Dec. 5, 1950.

Confectionery; sweetments, etc. F. M. Candy Corporation. 539,668, Mar. 20; Serial No. 587,374, published Dec. 19, 1950.
Cookies. Dad's Cookie Company. 539,688, Mar. 20; Serial No. 588,844, published Dec. 12, 1950.
Corn grits. J. R. Short Milling Company. 539,597–8, Mar. 20; Serial Nos. 572,333–4, published Nov. 7, 1950.
Corn meal. Hopkinsville Milling Co. 506,864, Feb. 22, 1949. Restricted. O. G. Mar. 20.
Corn oil, Refined. The Capital City Products Company. 282,672, renewed Apr. 28, 1951. O. G. Mar. 20.
Eggs, Fresh. Food Fair Stores, Inc. 539,563, Mar. 20; Serial No. 565,332, published Dec. 26, 1950.
Emulsifying and whipping aid for ice cream compositions. E. F. Drew & Co., Inc. 539,495, Mar. 20; Serial No. 534,420, published Nov. 7, 1950.
Extracts, Food flavoring, and baking powder. Furst-McNess Company. 539,488, Mar. 20; Serial No. 522,763, published Dec. 5, 1950.
Flavoring preparations. Ramsey Laboratories. 539,740, Mar. 20; Serial No. 547,659.
Flour, Wheat. The Colorado Milling & Elevator Co. 539,521, Mar. 20; Serial No. 551,534, published Nov. 1, 1949.
Flour, Wheat. The Colorado Milling & Elevator Co. 539,539, Mar. 20; Serial No. 557,017, published Nov. 21, 1950.
Flour, Wheat. C. L. DeBord. 281,156, renewed Mar. 10, 1951. O. G. Mar. 20.
Flour, Wheat. Fisher Flouring Mills Company. 539,569, Mar. 20; Serial No. 560,926, published Nov. 21, 1950.
Flour, Wheat. Hopkinsville Milling Co. 228,367, May 31, 1927. Restricted. O. G. Mar. 20.
Flour, Wheat. Hopkinsville Milling Co. 506,877, Feb. 22, 1949. Restricted. O. G. Mar. 20.
Flour, Wheat. Theo Stivers Milling Company. 280,625, renewed Feb. 24, 1951. O. G. Mar. 20.
Flour, Wheat. Tex-O-Kan Flour Mills Co. 539,726, Mar. 20; Serial No. 599,679, published Nov. 21, 1950.
Flour, Wheat. Van Dusen Harrington Co. 539,514, Mar. 20; Serial No. 547,796, published Nov. 7, 1950.
Flour, Wheat. Van Dusen Harrington Co. 539,515, Mar. 20; Serial No. 547,798, published Nov. 7, 1950.
Food, Animal. M. L. Morris. 539,608, Mar. 20; Serial No. 575,773, published Oct. 3, 1950.
Fruit, Fresh citrus. Garden Grove Citrus Association. 539,747, Mar. 20; Serial No. 559,598.
Fruits, Fresh, and fresh vegetables. Inland Trading Company. 539,702, Mar. 20; Serial No. 590,599, published Nov. 21, 1950.
Fruits, Fresh citrus. Ivanhoe Mutual Orange Association. 539,502, Mar. 20; Serial No. 539,959, published Oct. 3, 1950.
Fruits, Fresh deciduous. E. A. Ash. 539,669, Mar. 20; Serial No. 587,524, published Dec. 19, 1950.
Glycerol derivative of selected hydrogenated vegetable fats. Swift & Company. 539,684, Mar. 20; Serial No. 588,333, published Dec. 5, 1950.
Grapes, Fresh, fresh pears, fresh asparagus, etc. Di Giorgio Fruit Corporation. 539,773, Mar. 20; Serial No. 586,731.
Gum, Chewing. Gum Products, Inc. 539,544, Mar. 20; Serial No. 558,489, published Dec. 12, 1950.
Gum, Chewing. Gum Products, Inc. 539,545, Mar. 20; Serial No. 558,490, published Dec. 26, 1950.
Ham, bacon, sausage, etc. Cleveland Provision Company. 283,774, renewed June 9, 1951. O. G. Mar. 20.
Ice cream. R & G Milk Products, Inc. 539,486, Mar. 20; Serial No. 513,685, published Dec. 19, 1950.
Jelly, Grape, strawberry preserves, cloves, etc. Old Judge Coffee Company, Inc. 539,484, Mar. 20; Serial No. 507,273, published Dec. 5, 1950.
Lettuce, carrots and cantaloupes, Fresh. James and Buckley. 539,498, Mar. 20; Serial No. 536,619, published May 17, 1949.
Lychees, Fresh and dried. E. A. Ash. 539,670, Mar. 20; Serial No. 587,525, published Oct. 31, 1950.
Meats, Fresh carcass; cured meats; fresh and cured sausages and canned sausages; etc. Armour and Company. 539,557, Mar. 20; Serial No. 563,150, published June 20, 1950.
Meats, Sliced. F. G. Vogt & Sons, Incorporated. 274,906, renewed Sept. 9, 1950. O. G. Mar. 20.
Milk, condensed milk, cream, evaporated cream, etc. Borden's Condensed Milk Company. 35,691, re-renewed Jan. 1, 1951. O. G. Mar. 20.
Milk, cream, cottage cheese, etc. W. H. Davis. 281,895, renewed Apr. 7, 1951. O. G. Mar. 20.
Mix containing fruit and fruit juice. C. V. Crouil Corporation. 539,656, Mar. 20; Serial No. 585,634, published Dec. 12, 1950.
Oleomargarine. John F. Jelke Company. 539,483, Mar. 20; Serial No. 486,788, published Aug. 22, 1950.
Olive oil. F. W. Warrick. 82,187, re-renewed June 6, 1951. O. G. Mar. 20, 1951.
Olives, Bottled. Falcon Packing Co. Inc. 381,731, Oct. 1, 1940. Republished Mar. 20.
Olives, Bottled, and bottled maraschino cherries. John Magee & Co. Inc. 384,957, Feb. 11, 1941. Republished Mar. 20.
Oranges, lemons, grape-fruit, etc. Winter Garden Citrus Growers' Association. 81,563, re-renewed Apr. 18, 1951. O. G. Mar. 20.
Peanut butter. W. T. Young Foods, Inc. 539,611, Mar. 20; Serial No. 576,565, published Dec. 5, 1950.
Peanuts, Salted. Planters Nut & Chocolate Co. 539,572, Mar. 20; Serial No. 567,428, published Nov. 7, 1950.
Pears, Fresh. Di Giorgio Fruit Corporation. 539,664, Mar 20; Serial No. 586,735, published Dec. 5, 1950.
Pears, Fresh. Di Giorgio Fruit Corporation. 539,665, Mar. 20; Serial No. 586,738, published Nov. 14, 1950.
Pickles, Fresh sweet. Manhattan Pickle Company. 539,763, Mar. 20; Serial No. 578,881.
Potatoes. Grower-Shipper Potato Company. 539,552, Mar. 20; Serial No. 561,236, published Nov. 7, 1950.
Salt, Crushed rock. International Salt Company. 539,593, Mar. 20; Serial No. 571,933, published Oct. 31, 1950.
Sauce, Barbecue, and barbecued beans. Dinah's Restaurant. 539,677, Mar. 20; Serial No. 587,941, published Dec. 19, 1950.
Seasoning materials, Dry soluble. Wm. J. Stange Co. 539,652, Mar. 20; Serial No. 584,700, published Oct. 31, 1950.
Seeds, cereals, and foods. James Carter & Co. 34,463, Apr. 10, 1900. Republished Mar. 20.
Seasoning powder for food purposes, Mono-sodium glutamate. Sinam Products Corp. 539,660, Mar. 20; Serial No. 586,321, published Dec. 5, 1950.
Sugar, Granulated, brown sugar, powdered sugar, etc. The Sparkle Sales Corporation. 539,729, Mar 20; Serial No. 492,100.
Syrups, Flavoring. H. Baron & Co., Incorporated. 283,034, renewed May 12, 1951. O. G. Mar. 20.
Vegetables, Fresh. D. Canale & Co. 539,692, Mar. 20; Serial No. 589,246, published Oct. 31, 1950.

CLASS 50

Memorials, monuments, and grave markers. Buttura & Sons. 539,708, Mar. 20; Serial No. 593,329, published Oct. 17, 1950.

CLASS 51

Creme preparation, Liquid skin. Elizabeth Arden Sales Corporation. 539,676, Mar. 20; Serial No. 587,843, Dec. 5, 1950.
Deodorant, Personal. G. A. Banks. 539,685, Mar. 20; Serial No. 588,625, published Dec. 19, 1950.
Eau de Cologne, lavender water, hair washes, etc. P. F. Mülhens. 279,463, renewed Jan. 13, 1951. O. G. Mar. 20.
Lotion, Permanent wave. Gabrieleen Co., Inc. 539,714, Mar. 20; Serial No. 594,898, published Dec. 5, 1950.
Lotions. Revlon Products Corporation. 539,769, Mar. 20; Serial No. 583,617.
Perfume. Bourjois, Inc. 539,754, Mar. 20; Serial No. 566,492.
Perfume, Chanel, Inc. 539,657, Mar. 20; Serial No. 585,742, published Nov. 7, 1950.
Perfume, Fouchee Perfume & Cosmetic Company, Inc. 539,762, Mar 20; Serial No. 577,322.
Perfume. E. Westall. 539,662, Mar. 20; Serial No. 586,447, published Dec. 19, 1950.
Perfume extract. Lanvin Parfums, Inc. 282,358, renewed Apr. 21, 1951. O. G. Mar. 20.
Perfumed powder, dusting powder, toilet water, and perfume. Coty, Inc. 539,725, Mar. 20; Serial No. 596,779, published Dec. 19, 1950.
Perfumes. Jean-Pascal Lorriaux & Cie. 444,442, Mar. 20; Serial No. 516,291, published Dec. 5, 1950.
Perfumes. Nipa, Inc. 415,858, Aug. 21, 1945. Republished Mar. 20.
Perfumes. Vigny, Inc. 311,220, Mar. 20, 1934. Republished Mar. 20.
Perfumes and toilet water. Lanvin Parfums, Inc. 282,453, renewed Apr. 21, 1951. O. G. Mar. 20.
Perfumes and toilet waters. Goya Limited. 539,696, Mar. 20; Serial No. 589,898, published Dec. 19, 1950.
Perfumes and toilet waters. Jean Patou, Inc. 539,694, Mar. 20; Serial No. 589,470, published Dec. 5, 1950.
Perfumes, face powders, toilet powders, etc. O. Adelaide. 280,101, renewed Feb. 10, 1951. O. G. Mar. 20.
Pomades, Hair. F. D. Gardner. 539,493, Mar. 20; Serial No. 533,875, published July 27, 1948.
Scalp preparation. Roeding Park Pharmacy, Inc. 539,554, Mar. 20; Serial No. 561,946, published Dec. 26, 1950.
Shaving cream, cream shampoo and tooth paste. The Fuller Brush Company. 539,741, Mar. 20; Serial No. 548,953.
Skin cleanser. Helena Rubinstein, Inc. 539,584, Mar. 20; Serial No. 570,616, published Dec. 26, 1950.
Tint, Oil shampoo, drab toner, hair bleach, etc. Godefroy Manufacturing Company. 539,542, Mar. 20; Serial No. 557,920, published Dec. 26, 1950.
Toilet accessories, Certain. Q-Tips, Inc. 539,700, Mar. 20; Serial No. 590,522, published Dec. 19, 1950.
Toilet preparation. Physicians and Hospitals Supply Company, Inc. 539,722-3, Mar. 20; Serial No. 596,185-6, published Dec. 19, 1950.

Toilet preparation. Physicians and Hospitals Supply Company, Inc. 539,724, Mar. 20; Serial No. 596,190, published Dec. 19, 1950.
Toilet water, perfume, and cologne. Avon Products, Inc. 539,719, Mar. 20; Serial No. 595,649, published Dec. 5, 1950.
Tooth powder. Bristol-Myers Company. 539,622, Mar. 20; Serial No. 578,676, published Dec. 26, 1950.
Tooth powders, pastes, and mouth rinses. Stanley Drug Products, Inc. 539,604, Mar. 20; Serial No. 574,643, published May 30, 1950.

CLASS 52

Cleanser, Household. The Bon Ami Company. 539,766, Mar. 20; Serial No. 581,400.
Powdered chemicals. Choldun Manufacturing Corp. 539,561, Mar. 20. Serial No. 565,173, published June 20, 1950.

CLASS 103

Automobile and truck repair. Byron Stout Co., Incorporated. 539,791, Mar. 20; Serial No. 532,882.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American-Marietta Company, Adhesive, Resin and Chemical Division, assignee: *See*—
Redfern, Donald V.
Ercolino, Michael D., Wanamassa, assignor to Telrex, Inc., Asbbury Park, N. J. High-frequency antenna. Re. 23,346, Mar. 20.
Redfern, Donald V., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash. Making phenol-aldehyde reaction products and the product thereof. Re. 23,347, Mar. 20.
Telrex, Inc., assignee: *See*—
Ercolino, Michael D.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Howard, Paul J., assignor to Paul J. Howard California Flowerland, Los Angeles, Calif. Rose plant. 1,009, Mar. 20.
Howard, Paul J., California Flowerland, assignee: *See*—
Howard, Paul J.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Berry plant. 1,008, Mar. 20.

LIST OF DESIGN PATENTEES

Adkinson, Joseph, assignor to Home Furniture Co., York, Pa. Furniture handle. 162,504, Mar. 20.
Adkinson, Joseph, assignor to Home Furniture Co., York, Pa. Handle for furniture. 162,505, Mar. 20.
Adler, Samuel E., Chicago, Ill. Combined television screen window and control unit. 162,503, Mar. 20.
Aitken, Roy, Glasgow, Scotland. Soapholder. 162,506, Mar. 20.
American Hydraulics, Inc., assignee: *See*—
Sykes, Robert E.
Arenberg, Albert L., Highland Park, and E. C. Zimmerman, Winnetka, assignors to Patent License Corporation, Chicgo, Ill. Vehicle interior lighting and ventilating unit. 162,507, Mar. 20.
Arnolt Corporation, assignee: *See*—
Meek, Charles E., Jr.
Asteroff, J Leah, New York, N. Y. Dress. 162,508, Mar. 20.
Austin, Merritt B., Jr., Deerfield, Ill. Electrical outlet box cover. 162,509, Mar. 20.
Barrager, Philip L., assignor to Josten Manufacturing Company, Owatonna, Minn. Medal. 162,510, Mar. 20.
Bauer, Alan E.: *See*—
Bauer, Sidney and A. E.
Bauer, Sidney and A. E., New York, N. Y. Display cabinet or the like. 162,511, Mar. 20.
Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.
Bogdan, Anthony E., New Bedford, Pa. Table ornament. 162,512, Mar. 20.
Brandon, Robert D.: *See*—
Miller, Clyde L., and Brandon.
Brice, Jesse F., East Aurora, assignor to Brice Toy and Novelty Company, Inc., Colden, N. Y. Wheel toy. 162,513, Mar. 20.
Brice Toy and Novelty Company, Inc., assignee: *See*—
Brice, Jesse F.
Bronson, George A., Council Bluffs, Iowa. Lapel button or similar article. 162,514, Mar. 20.
Burge, Keith W., Highland Park, Ill. Can carrying device. 162,515, Mar. 20.
Burgold, Kurt, Asheville, N. C., assignor to Morgan Furniture Company. Handle unit. 162,516, Mar. 20.
Burnelli, Vincent J., Great Neck, N. Y. Airplane. 162,517, Mar. 20.
Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric range surface heating unit. 162,518, Mar. 20.
Collins, George R., Monroe, Mich. Hair comb. 162,519, Mar. 20.
Columbus Plastic Products Inc., assignee: *See*—
Roop, Nathan W.
Colwell, Joseph W., executor: *See*—
Colwell, Roland W.
Colwell, Roland W., deceased, Los Angeles, Calif.; J. W. Colwell, executor. Garment hanger. 162,520, Mar. 20.
Croft Rug Mills, Inc., assignee: *See*—
Goldfarb, Morris B.
Crowle, Robert H., Berwyn, and C. E. Jones, assignors to The Harmony Company, Chicago, Ill. Ukulele. 162,521, Mar. 20.
Currence, John D., Bernardsville, and E. J. Egan, Basking Ridge, N. J. Ball point pen. 162,522, Mar. 20.
Cutler-Hammer, Inc., assignee: *See*—
Charbonneau, Allan P.
Cyclelite Manufacturing Company, Inc., assignee: *See*—
Ingle, Orlando F.
Danz, Ellworth R., La Salle, Ill., assignor to General Time Corporation, New York, N. Y. Clock. 162,523, Mar. 20.
Darwin, Elizabeth, Los Angeles, Calif. Slip-type undergarment. 162,524, Mar. 20.
De Vry, Albert G., Chicago, Ill. Photograph record book. 162,525, Mar. 20.
Egan, Edward J.: *See*—
Currence, John D., and Egan.
Ercolino, Michael D., Wanamassa, N. J. Television antenna. 162,526, Mar. 20.
Ercolino, Michael D., Wanamassa, N. J. Television antenna. 162,527, Mar. 20.
Ercolino, Michael D., Wanamassa, N. J. Television antenna. 162,528, Mar. 20.
Eveleigh-de-Moleyns, Francis A. L., London, England. 162,529, Mar. 20.
Fabricmart Corporation, The, assignee: *See*—
Zavell, Arnold.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 162,530, Mar. 20.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 162,531, Mar. 20.
Gelb, Abe, New York, N. Y. Embroidered trimming. 162,532, Mar. 20.
General Motors Corporation, assignee: *See*—
Loewy, Raymond.
General Time Corporation, assignee: *See*—
Danz, Ellworth R.
Goldfarb, Morris B., assignor to Croft Rug Mills, Inc., Easton, Pa. Rug. 162,533, Mar. 20.
Goldinger, Harry, Textile Corporation, assignee: *See*—
Wayne, Phyllis.
Green, Leland W.: *See*—
Theis, William T., and Green.
Greendale, Arlene J., Chicago, Ill. Maternity skirt. 162,534, Mar. 20.
Grosset & Dunlap, Inc., assignee: *See*—
Levin, Martin P.
Hagedorn, Quinn J., assignor to The Specialty Papers Company, Dayton, Ohio. Wrapping paper for bread loaves or the like. 162,535, Mar. 20.
Hall, Charles C., assignee: *See*—
Scherr, Samuel, and Smith.
Harmony Company, The, assignee: *See*—
Crowle, Robert H., and Jones.

Harris, Lemuel J., assignor to Holland Furnace Company, Holland, Mich. Safety door for furnaces or the like. 162,536, Mar. 20.
Hathaway, Helen G., Kansas City, Mo. Christmas stocking. 162,537, Mar. 20.
Herrmann, Ernest, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Dresser. 162,538, Mar. 20.
Heywood-Wakefield Company, assignee: *See*— Herrmann, Ernest.
Holland Furnace Company, assignee: *See*— Harris, Lemuel J.
Hollins, Jesse R., Brooklyn, N. Y. Indicator lamp. 162,539, Mar. 20.
Home Furniture Co., assignee: *See*— Adkinson, Joseph.
Hsu, James, Great Neck, N. Y. Combined tricycle and cab. 162,540, Mar. 20.
Hsu, James, Great Neck, N. Y. Set of playing pieces. 162,541, Mar. 20.
Hurwitz, Eda A., Marblehead, Mass. Combined table and storage unit. 162,542, Mar. 20.
Industrial Tape Corporation, assignee: *See*— Stanley, Alexander J., and Nicholls.
Ingle, Orlando F., assignor to Cyclelite Manufacturing Company, Inc., Richmond, Ind. Lens unit for a combined tail and signal light. 162,543, Mar. 20.
International Harvester Company, assignee: *See*— Trame, Charles E.
Interstate Engineering Corporation, assignee: *See*— Theis, William T., and Green.
James, Frazier N., assignor to Lone Star Vender Corp., Dallas, Tex. Bottle vending machine or similar article. 162,544, Mar. 20.
Jester-Lance Mfg. Co., assignee: *See*— Jester, Verne.
Jester, Verne, assignor to Jester-Lance Mfg. Co., Phoenix, Ariz. Incinerator. 162,545, Mar. 20.
Jiranek, Leo, New York, N. Y., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoker's stand. 162,546, Mar. 20.
Johnsen, George V., Los Angeles, Calif. Automobile jack. 162,547, Mar. 20.
Jones, Charles E.: *See*— Crowle, Robert H., and Jones.
Jones, Cohen D., Jr., Claxton, Ga. Beverage case or similar article. 162,548, Mar. 20.
Josten Manufacturing Company, assignee: *See*— Barrager, Philip L.
Lenaburg, Reinhold H., Pasadena, Calif. Figurine or similar article. 162,549, Mar. 20.
Levin, Martin P., Rye, assignor to Grosset & Dunlap, Inc., New York, N. Y. Display rack. 162,550, Mar. 20.
Levine, Henry, Brooklyn, N. Y. Hosiery display container or the like. 162,551, Mar. 20.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Electric range. 162,552, Mar. 20.
Lone Star Vender Corp., assignee: *See*— James, Frazier N.
Luke, Vincent J., Fort Worth, Tex. Sport shirt. 162,553, Mar. 20.
Magnus, Finn H., Essex Fells, assignor to Magnus Harmonica Corporation, Newark, N. J. Chromatic accordion. 162,554, Mar. 20.
Magnus Harmonica Corporation, assignee: *See*— Magnus, Finn H.
Mandell, Sonia M., New York, N. Y. Textile fabric. 162,555, Mar. 20.
Mandell, Sonia M., assignor to Marcus Brothers Textile Corp., New York, N. Y. Textile fabric. 162,556, Mar. 20.
Marcus Brothers Textile Corp., assignee: *See*— Mandell, Sonia M.
May Hosiery Mills, assignee: *See*— Schwartz, Shepard B., and Blum.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 162,557, Mar. 20.
Meek, Charles E., Jr., assignor to Arnolt Corporation, Warsaw, Ind. Table. 162,558, Mar. 20.
Meshberg, Philip, Bridgeport, Conn., Can. 162,559, Mar. 20.
Miller, Clyde L., Berkley, and R. D. Brandon, Detroit, assignors of one-third to J. H. Steffes, Berkley, Mich. Toy airplane. 162,560, Mar. 20.
Mitten, Frank P., Redlands, Calif. Font of three-dimensional display letters. 162,561, Mar. 20.
Morgan Furniture Company, assignee: *See*— Burgold, Kurt.
Motorola, Inc., assignee: *See*— Zeller, Herbert J.
Nicholls, James S., Jr.: *See*— Stanley, Alexander J., and Nicholls.
Onondaga Pottery Company, assignee: *See*— Garvin, Richard H. McKaig, Charles H.
Orloff, Jack, New York, N. Y. Blouse. 162,562, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,563, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,564, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,565, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,566, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,567, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,568, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,569, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,570, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,571, Mar. 20.
Orloff, Jack, New York, N. Y. Blouse. 162,572, Mar. 20.
Painter, David L., Evanston, Ill., assignor to West Bend Aluminum Co., West Bend, Wis. Electric base for table top oven. 162,573, Mar. 20.
Pancotti, Mario, Bronxville, N. Y. Grille for accordions. 162,574, Mar. 20.
Pass & Seymour, Inc., assignee: *See*— Swart, Ira E.
Patent License Corporation, assignee: *See*— Arenberg, Albert L., and Zimmerman.
Pearlman, Harry, Syracuse, N. Y. Vegetable cutter. 162,575, Mar. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,576, Mar. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,577, Mar. 20.
Phil-Mar Corporation, assignee: *See*— Secrist, Lee.
Potekin, Gus G., Chicago, Ill., assignor to Richberry Electric Co. Portable lantern. 162,578, Mar. 20.
Richberry Electric Co., assignee: *See*— Potekin, Gus G.
Roop, Nathan W., assignor to Columbus Plastic Products Inc., Columbus, Ohio. Canister. 162,579, Mar. 20.
Rothchild, Aaron, Flushing, N. Y. Hat or similar article. 162,580, Mar. 20.
Schaef, Harold M., assignor to Victor Vending Corporation, Chicago, Ill. Housing for vending machine. 162,581, Mar. 20.
Scherr, Samuel, and F. E. Smith, assignors to C. C. Hall, Akron, Ohio. Paper cup dispenser. 162,582, Mar. 20.
Schmitman, Albert S., Cleveland, and M. Schmitman, Cleveland Heights, Ohio. Magnetic knife and tool holder. 162,583, Mar. 20.
Schmitman, Marvin: *See*— Schmitman, Albert S. and M.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,584, Mar. 20.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,585, Mar. 20.
Secrist, Lee, Euclid, assignor to Phil-Mar Corporation, Cleveland, Ohio. Lamp base. 162,586, Mar. 20.
Secrist, Lee, Euclid, assignor to Phil-Mar Corporation, Cleveland, Ohio. Table lamp. 162,587, Mar. 20.
Simms, Leo G., Glendale, Calif., assignor to Winkitty Products, Inc., Kansas City, Mo. Car washing gun or similar article. 162,588, Mar. 20.
Smith, French E.: *See*— Scherr, Samuel, and Smith.
Smokador Manufacturing Co., Inc., assignee: *See*— Jiranek, Leo.
Specialty Papers Company, The, assignee: *See*— Hagedorn, Quinn J.
Stanley, Alexander J., North Brunswick Township, Middlesex County, and J. S. Nicholls, Jr., Kingston, N. J., assignors to Industrial Tape Corporation. Tape dispenser. 162,589, Mar. 20.
Stanley, Osborne C., Winter Haven, Fla. Combination cane and rack or the like. 162,590, Mar. 20.
Steffes, J. Harold, assignee: *See*— Miller, Clyde L., and Brandon.
Stevens, Ruth A., Wichita, Kans. Planter light or similar article. 162,591, Mar. 20.
Swart, Ira E., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Heavy-duty electric receptacle. 162,592, Mar. 20.
Sykes, Robert E., assignor to American Hydraulics, Inc., Sheboygan, Wis. Grinder. 162,593, Mar. 20.
Tames, Daniel, Chicago, Ill. Wardrobe cabinet. 162,594, Mar. 20.
Theis, William T., North Hollywood, and L. W. Green, Malibu, assignors to Interstate Engineering Corporation, El Segundo, Calif. Air-driven floor polisher. 162,595, Mar. 20.
Trame, Charles E., Lima, Ohio, assignor to International Harvester Company. Sign. 162,596, Mar. 20.
Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.
Turner, Victor, New York, N. Y. Display stand or similar article. 162,597, Mar. 20.
Victor Vending Corporation, assignee: *See*— Schaef, Harold M.
Vogler, Willy M., Shillington, Pa. Lady's stocking. 162,598, Mar. 20.
Vogler, Willy M., Shillington, Pa. Lady's stocking. 162,599, Mar. 20.
Walden, Mary I., Castle Rock, Wash. Ribbon-run trimming. 162,600, Mar. 20.
Walden, Mary I., Castle Rock, Wash. Ribbon-run beading. 162,601, Mar. 20.

Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 162,602, Mar. 20.
Weissman, Harry, New Hyde Park, N. Y. Pair of spectacles. 162,603, Mar. 20.
West Bend Aluminum Co., assignee: *See*— Painter, David L.
Wiethoff, Oscar J., Hollywood, Calif. Table frame. 162,604, Mar. 20.
Winkitty Products, Inc., assignee: *See*— Simms, Leo G.
Zavell, Arnold, assignor to The Fabricmart Corporation, New York, N. Y. Textile fabric. 162,605, Mar. 20.
Zeller, Herbert J., assignor to Motorola, Inc., Chicago, Ill. Combination radio receiver and clock. 162,606, Mar. 20.
Zimmerman, Edward C.: *See*— Arenberg, Albert L., and Zimmerman.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Geoffrey J., Carshalton, England. Machine for cutting potatoes or like objects into chips or slices. 2,545,720, Mar. 20.

Abbott Laboratories, assignee: *See*—
Clemence, Le Roy W., and Leffler.

Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr.

Addison, Edward C., Stone Harbor, N. J. Intercepting the escape of ash to the atmosphere. 2,545,537, Mar. 20.

Adelson, David E., *See*—
Dannenberg, Hans, and Adelson.

Adler, Max: *See*—
Lott, William A., Losee, and Adler.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Clark, Thomas F.
Reid, John D., and Daul.

Air Reduction Company, Incorporated, assignee: *See*—
Hutt, Arthur R.

Aitken, David D., Danville, Ill. Fire extinguishing method and apparatus. 2,545,640, Mar. 20.

Aladdin Industries, Incorporated, assignee: *See*—
Ulmer, William W.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Ink and water motion trip for offset printing machines. 2,545,836, Mar. 20.

Aldrich, Edward C.: *See*—
Aldrich, William S. and E. C.

Aldrich, William S., Chaldon, near Caterham, and E. C. Aldrich, Shirley, assignors to The British Vibralux Limited, London, England. Optical projecting apparatus for a disk with concentric tracks of matter to be projected. 2,546,054, Mar. 20.

Alexander, Peter P.: *See*—
Lindsley, Thayer, and Alexander.

Allen, Charles F. H., and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of nuclear substituted cinnamyl alcohols. 2,545,439, Mar. 20.

Allen, Harold P., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pilot lamp mounting. 2,545,508, Mar. 20.

Allen, Russell E., and F. A. Murphy, Des Moines, Iowa. Sash and trim painter. 2,545,641, Mar. 20.

Allied Chemical & Dye Corporation, assignee: *See*—
Tiddy, William, and Cooper.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Bilbe, Charles W.
Peter, Charles R.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Hansson, Bror O. N.

Alpert, Jacob L., Los Angeles, Calif. Seat spring structure. 2,545,721, Mar. 20.

Altar, William: *See*—
Gabler, Raymond T., and Altar.

Aluminum Company of America, assignee: *See*—
Whitzel, Raymond T., and King.

Alvarez, Luis W., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Linear accelerator. 2,545,595, Mar. 20.

Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Hopkins, Edward G.

American Can Company, assignee: *See*—
Chatterton, Robert T.

American Cyanamid Company, assignee: *See*—
Mackay, Johnstone S.
Morral, Facundo R.

American Cystoscope Makers, Inc., assignee: *See*—
Wallace, Frederick J.

American Instrument Co., Inc., assignee: *See*—
Ohlheiser, Carlton E.

American Viscose Corporation, assignee: *See*—
Truitt, Joseph A.

Amundson, Ronald H., and H. V. Dryer, Milwaukee, Wis., assignors to McGraw Electric Company. Arc extinguishing material. 2,545,596, Mar. 20.

Andersen, Carl A.: *See*—
Dokken, Jörgen N., Wigeland, and Andersen.

Andersen, Hother H., New York, N. Y., assignor to Atlantic Development Company, Inc., Springfield, Mass. Boiler. 2,546,082, Mar. 20.

Andren, Karl H., assignor to Artos Engineering Company, Milwaukee, Wis. Mechanism for applying electric terminals to stranded wires. 2,545,756, Mar. 20.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Howes, Donald A.

Appleton, Arthur L., Northbrook, assignor to Appleton Electric Company, Chicago, Ill. Fixture hanger. 2,545,564, Mar. 20.

Appleton Electric Company, assignee: *See*—
Appleton, Arthur L.

Aprile, George, Fair Lawn, N. J. Weighted footwear. 2,545,910, Mar. 20.

Armour and Company, assignee: *See*—
Weber, William F.

Armstrong, George C., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relay for alternating current. 2,545,984, Mar. 20.

Armstrong, Merwin, Hinsdale, Ill. Boom. 2,545,937, Mar. 20.

Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas.

Aro Equipment Corporation, The, assignee: *See*—
Ginter, Charles W.

Artos Engineering Company, assignee: *See*—
Andren, Karl H.

Ashford, Walter R., and R. W. Beattie, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Preparation of alkyl-nitroaryl ethers. 2,545,597, Mar. 20.

Atlantic Development Company, Inc., assignee: *See*—
Andersen, Hother H.

Automatic Electric Laboratories, Inc., assignee: *See*—
Grimes, Harlan E.
Henrikson, Oscar W., and Sargisson.
Voss, John H.

Babcock & Wilcox Company, The, assignee: *See*—
Bailey, Ervin G., and Dickey.
Kooistra, Lambert.
Maxwell, Carl A.

Bailey, Ervin G., Easton, Pa., and P. S. Dickey, East Cleveland, Ohio, assignors, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y. Control system. 2,546,119, Mar. 20.

Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Method of and apparatus for manufacturing plastic sheets. 2,545,868, Mar. 20.

Bailey, James, assignor to Plax Corporation, West Hartford, Conn. Multiple fiber strand. 2,545,869, Mar. 20.

Baker & Company, Inc., assignee: *See*—
Stumbock, Max J., and Bayes.

Baker, George A., and W. Hunter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Catalytic oxidation of alkyl benzenes to produce aryl alkyl ketones and carbinols. 2,545,870, Mar. 20.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Button type arrester. 2,545,867, Mar. 20.

Baker, Robert M., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency oscillator. 2,545,985, Mar. 20.

Baldwin Company, The, assignee: *See*—
Jordan, John F.

Ballard, Charles C., Inglewood, Calif. Compensator. 2,546,055, Mar. 20.

Ballard, Seaver A.: *See*—
Smith, Curtis W., and Ballard.

Balson, Adrian C., deceased, Philadelphia, Pa.; J. A. Balson, administrator. Tire chain applying device. 2,545,772, Mar. 20.

Balson, John A., administrator: *See*—
Balson, Adrian C.

Barber, John M., Clear Lake, Iowa. Hand truck. 2,545,440, Mar. 20.

Bard, Francis N., assignee: *See*—
Breitenstein, Victor W.

Barnes, John V., La Canada, assignor, by mesne assignments, to Taylor-Phillips, Inc., Los Angeles, Calif. Folding toilet seat. 2,545,598, Mar. 20.

Barnhart, Robert E., Gibbstown, and R. M. Cavanaugh, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of nitric esters of normally solid primary alcohols. 2,545,538, Mar. 20.

Barr, Francis A., Laurelton, N. Y. Adjustable snap gauge. 2,545,757, Mar. 20.

Barrett, Edward P., Mound, Minn. Forming glomerules. 2,545,441, Mar. 20.

Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Antifreezing sanitary hydrant assembly. 2,545,911, Mar. 20.

Bartlett, Carl, Fort Wayne, Ind. Reed holder. 2,545,599, Mar. 20.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,546,083, Mar. 20.

Bassett, Robert T., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Auxiliary contact device for electric contactors. 2,545,986, Mar. 20.

Bassett, Everett S.: *See*—
Kaefer, Martin H., and Bassett.

Batchelor, Clyde S., Upper Stepney, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facing and making same. 2,546,056, Mar. 20.

Baumgartner, John R., Milwaukee, Wis., and J. G. Bell, assignors, by mesne assignments, to Morris Paper Mills, Chicago, Ill. Container spinning machine. 2,545,912, Mar. 20.

Bayes, Ross: *See*—
Stumbock, Max J., and Bayes.

Beattie, Robert W.: *See*—
Ashford, Walter R., and Beattie.

Beaupre, Honore, assignee: *See*—
Lamonde, Alphonse.

Bell, David A., assignor to British Telecommunications Research Limited, Taplow, England. Apparatus for compressing or expanding the frequency bands of electric oscillations. 2,545,871, Mar. 20.

Bell, John G.: *See*—
Baumgartner, John R., and Bell.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Doherty, William H.
Scott, George.
Thiel, Felix A., Jr.

Bellairs, Guy F., London, and J. C. Ireland, Tunbridge Wells, assignors to British Telecommunications Research Limited, Taplow, England. Finder for automatic carrier telephone systems. 2,545,642, Mar. 20.

Belluche, Elmer W. and F. R., assignors to The Christensen Machine Company, Racine, Wis. Varnish applicator mechanism for sheet varnishers. 2,545,539, Mar. 20.

Belluche, Frank R.: *See*—
Belluche, Elmer W. and F. R.

Beloit Iron Works, assignee: *See*—
Goodwillie, John E., and Neese.

Beltice Corporation, assignee: *See*—
Knowles, Frank W.

Bender, Kenneth R., assignor to General Instrument Corporation, Elizabeth, N. J. Record changer phonograph. 2,545,643, Mar. 20.

Bendix Aviation Corporation, assignee: *See*—
Singleton, William W.

Bent, Arthur J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure throttle control apparatus. 2,545,509, Mar. 20.

Benton, Alfred C., and J. F. Schmidt, Jr., San Francisco, Calif. Rotating disk game device. 2,545,644, Mar. 20.

Berglund, Orion W.: *See*—
Koester, John P., Purdy, and Berglund.

Bergman, Donald J., Kenilworth, assignor to Universal Oil Products Company, Chicago, Ill. Exhaust gas silencer and pressure reducer with plural valved outlets. 2,545,682, Mar. 20.

Bergstein, Frank D., trustee, assignee: *See*—
Bergstein, Samuel.

Bergstein, Robert M., trustee, assignee: *See*—
Bergstein, Samuel.

Bergstein, Robert M., Wyoming, Ohio. Partitioned carton. 2,545,803, Mar. 20.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Hinged lid automatic box. 2,545,802, Mar. 20.

Berman, Elsie L. and O. A., New York, N. Y. Detachable safety pocket flap. 2,546,084, Mar. 20.

Berman, Oscar A.: *See*—
Berman, Elsie L. and O. A.

Berry, Frank, assignor to Berry Motors, Inc., Corinth, Miss. Fluid compressor and the like. 2,545,600, Mar. 20.

Berry Motors, Inc., assignee: *See*—
Berry, Frank.

Berthiez, Charles W., Paris, France. Manually operated control switch for machine tools or the like. 2,545,837, Mar. 20.

Berthiez, Charles W., Paris, France. Machine tool for the machining of large annular workpieces. 2,545,838, Mar. 20.

Best, Wilson F., Grand Rapids, Mich. Stacking receptacle. 2,545,758, Mar. 20.

Bethea, Sam R.: *See*—
Schiller, James C., Bethea, and Moresman.

Beuck, Coin J., Belden, Nebr. Fountain pen holder. 2,545,540, Mar. 20.

Biasi, Angelo: *See*—
Felip, Jeanne, and Biasi.

Bible, Milbert D., Mosheim, Tenn. Line clamp. 2,545,565, Mar. 20.

Bilbe, Charles W., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Solvent extraction apparatus. 2,545,938, Mar. 20.

Binneweg, Abraham, Jr., Oakland, Calif. Supported electrode metal radio tube. 2,545,759, Mar. 20.

Blackburn, John L., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relay for transmission lines. 2,545,987, Mar. 20.

Blair, Harold F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for timing relay operations. 2,545,541, Mar. 20.

Blakely, William M., Fort Bragg, N. C. Window lock. 2,545,645, Mar. 20.

Blanchard, Pearl B., Franklin, Mass. Protective filter condenser unit. 2,545,760, Mar. 20.

Blaw-Knox Company, assignee: *See*—
Melsenburg, Karl.

Blez, Bram, Tel Aviv, assignor of one-half to A. Morris, Tel Benjamin, Israel. Page turning device. 2,545,839, Mar. 20.

Blinkman, John W., Omaha, Nebr. Universal joint. 2,545,646, Mar. 20.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Polyvinyl acetal resins. 2,545,683, Mar. 20.

Blue Channel Corporation, The, assignee: *See*—
Harris, Sterling G., and Carrington.

Boardman, Harry D., assignee: *See*—
Merriman, Henry H.

Bobrick, Arthur L., assignor to Bobrick Manufacturing Corporation, Los Angeles, Calif. Liquid dispenser. 2,545,988, Mar. 20.

Bobrick Manufacturing Corporation, assignee: *See*—
Bobrick, Arthur L.

Bock, Walter F., Melrose Park, Ill. Renewable cutter for quarry drills. 2,545,913, Mar. 20.

Bödcher, Herman F. V., and E. J. von Heidenstam, Stockholm, Sweden. Malting plant and method in which the grain is successively moved and aerated during malting. 2,545,542, Mar. 20.

Bodin, Grace A., and H. C. Seidl, St. Paul, Minn. Sheave closure. 2,546,057, Mar. 20.

Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition of metals and alloys. 2,545,560, Mar. 20.

Borax Consolidated, Limited, assignee: *See*—
O'Brien, Patrick J., and Chettle.

Boroughs, Charles M., Seattle, Wash. Sprinkler head. 2,546,120, Mar. 20.

Bosler, Merritt W., Norristown, Pa. Footrest. 2,545,510, Mar. 20.

Bossard, Werner, Riehen, and M. Reding, assignors to J. R. Geigy A. G., Basel, Switzerland. Polyazo dyestuffs. 2,545,872, Mar. 20.

Bottrill, David H., New York, N. Y. Wheeled ski. 2,545,543, Mar. 20.

Boucher, Henry F., Spencer, Mass. Agitator. 2,545,914, Mar. 20.

Boulet, Joseph H., Chicago, Ill. Knurling tool. 2,546,058, Mar. 20.

Bovee, John L., Jr., Anaheim, Calif., and E. M. Deters, assignors to Red Jacket Manufacturing Co., Davenport, Iowa. Pumping system and primer therefor. 2,545,915, Mar. 20.

Bowren, Burl B., Freeport, Tex. Internal grooving and reaming tool. 2,545,443, Mar. 20.

Bowser, Inc., assignee: *See*—
De Haven, La Vern H.
Harvuot, Frank B.

Boye Needle Company, The, assignee: *See*—
Flannery, Roy L.

Braselton, Chester H., New York, N. Y. Lipstick. 2,545,444, Mar. 20.

Breadner, Robert L., Kenton, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Making stems for electric lamps. 2,545,873, Mar. 20.

Breakey, Norman J., assignee: *See*—
MacKey, Cecil R.

Breimer, Sytse, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio transmitter with hum compensating means. 2,546,025, Mar. 20.

Breitenstein, Victor W., Chicago, Ill., assignor to F. N. Bard. Electrically conductive revolving joint. 2,545,939, Mar. 20.

Breivogel, Philip J.: *See*—
Sondern, Clarence W., and Breivogel.

Brewer-Titchener Corporation, The, assignee: *See*—
Johannsen, Udo K.

Bridges, Donald E., London, England. Selective circuit arrangement. 2,545,567, Mar. 20.

Brink, Mary E., Grand Island, Nebr. Diaper. 2,545,761, Mar. 20.

Brinkley, John R., London, England. Radio communication system. 2,545,511, Mar. 20.

Briscoe, William F. R., and R. B. Plummer, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Treating tires. 2,546,085, Mar. 20.

British Telecommunications Research Limited, assignees *See*—
Bell, David A.
Bellairs, Guy F., and Ireland.

British Vibralux Limited, The, assignee: *See*—
Aldrich, William S. and E. C.

Brockway Company, The, assignee: *See*—
Richardson, James C.

Brockway, Wilhelm W., Los Angeles, Calif. Plate push button. 2,546,086, Mar. 20.

Brothers, William B., assignor of one-third to C. A. Ladig, and one-third to J. W. Stuteville, Miami, Fla. Mechanical unit for adjustable louvers. 2,545,874, Mar. 20.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, John W., South Euclid, Ohio, assignor to Dancyger Manufacturing Company. Shield for prongs of electric plugs. 2,545,762, Mar. 20.

Browne, Samuel H., Buffalo, N. Y. Auxiliary stadium seat. 2,545,840, Mar. 20.

Brubaker, William C., Chicago, Ill. Differential mechanism. 2,545,601, Mar. 20.

Bruner, Rudy, New York, N. Y. Venetian blind. 2,545,568, Mar. 20.

Brunsviga Maschinenwerke Aktiengellschaft, assignee: *See*—
Jordan, Kurt.

Buc, Saul R., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 1-hydroxy-4-(6'-benzodioxan-1', 3') amino anthraquinone. 2,546,121, Mar. 20.

Buchanan, Thomas H., Steubenville, Ohio. Finger guard for clothes wringers. 2,545,569, Mar. 20.

Buckingham, Buhel B., and R. K. Viles, Minneapolis, Minn. Power lawn mower. 2,545,647, Mar. 20.

Buckley, Ernest: *See*—
Roberts, Clarence F., and Buckley.

Buckner, Thomas A., Jr., assignee: *See*
Martin, George K., and M. M.

Budd Company, The, assignee: *See*—
Callender, Edwin M.
Eksergian, Carolus L.
Mayer, John J.
Patton, John W.
Watter, Michael.

Bunnell, Raymond H.: *See*—
Hatcher, David B., and Bunnell.

Burger, Ralph J., assignor to McCray Refrigerator Company, Kendallville, Ind. Multiple purpose refrigerated case. 2,545,602, Mar. 20.

Burgwin, Stephen L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control. 2,545,989, Mar. 20.

Burleigh, Arthur C., Wellesley, Mass. Pad element for abrading machines. 2,546,087, Mar. 20.

Burns, Charles W., Hickory, N. C. Hosiery pairer counter. 2,545,763, Mar. 20.

Butler, Roy E., San Francisco, Calif. Laminated card. 2,545,804, Mar. 20.

Byers, John R., Jr.: *See*—
Allen, Charles F. H., and Byers.

Byers, Ralph J., Chicago, Ill., and M. B. Christian, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Paper-covered wood product and making same. 2,545,603, Mar. 20.

Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 2,545,604, Mar. 20.

Byrne, Mark C., St. Louis, Mo. Shower curtain support. 2,545,648, Mar. 20.

Cade, George N.: *See*—.
Oberfell, George G., and Cade.

Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sulfurized lubricant. 2,545,875, Mar. 20.

Caldbeck, Charles J., Bradford, assignor to The English Electric Company Limited, London, England. Control system. 2,545,990, Mar. 20.

Caldwell, Albert E., assignor to R. T. Moloney, Chicago, Ill. Hydraulic forming machine. 2,545,570, Mar. 20.

Caldwell, John R., Hampton, Ga., assignor to Southern States Equipment Corporation. Electric switch. 2,545,940, Mar. 20.

Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Heating apparatus. 2,545,805, Mar. 20.

Calmic Inc., assignee: *See*—
Ward, Harold.

Campbell, James A., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake control apparatus. 2,545,512, Mar. 20.

Canine, Harry C., Chicago, Ill. Substance filling and dispensing apparatus. 2,545,605, Mar. 20.

Capellaro, Natale, Milan, Italy, assignor to Ing. C. Olivetti & C. S. p. A. Multifunction control key. 2,545,649, Mar. 20.

Carlson, Theodore L., Richmond, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa. Anti-storage control apparatus for railway track switches. 2,545,841, Mar. 20.

Carrington, Raymond H.: *See*—
Harris, Sterling G., and Carrington.

Carson, Howard, and J. W. Light, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Propeller pitch governor. 2,545,684, Mar. 20.

Cascade Manufacturing Company, assignee: *See*—
Pearson, Frank E.

Case, Percival H., Lawrence, Mich., P. L. Karr and H. J. Koeber, Jr., Chicago, Ill., assignors to Illinois Watch Case Co. Actuating apparatus for sound systems. 2,545,941, Mar. 20.

Caterpillar Tractor Co., assignee: *See*—
Johnson, Lloyd E.

Cavanaugh, Robert M.: *See*—
Barnhart, Robert E., and Cavanaugh.

Celanese Corporation of America, assignee: *See*—
Baker, George A., and Hunter.
MacLean, Alexander F.

Central Commercial Industries, Inc., assignee: *See*—
Larsen, Merwin J.

Century Electric Company, assignee: *See*—
Wolff, Samuel S., and Witt.

Charp, Victor E., Sawyer, Mich. Swing. 2,545,571, Mar. 20.

Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone Poulenc, Paris, France. Preparation of sulfanilylthiourea. 2,545,764, Mar. 20.

Chatterton, Robert T., Chappaqua, assignor to American Can Company, New York, N. Y. Supply system for liquid substances. 2,545,445, Mar. 20.

Chemo-Textiles, Inc., assignee: *See*—
Jones, Webster, and Heslin.

Chettle, Ronald V.: *See*—
O'Brien, Patrick J., and Chettle.

Chicago Metal Mfg. Co., assignee: *See*—
Hauf, George F.

Chicago Mill and Lumber Company, assignee: *See*—
Byers, Ralph J., and Christian.

Chicago Rotoprint Company, assignee: *See*—
Meadowcroft, Arthur.

Christensen, Carol M., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap acting device. 2,545,765, Mar. 20.

Christensen Machine Company, The, assignee: *See*—
Bellueche, Elmer W. and F. R.

Christian, Moss B.: *See*—
[illegible], Ralph J., and Christian.

Chrysler Corporation, assignee: *See*—
Nims, Paul T.

Chudyk, Alex B., Hopkins, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Torque indicator. 2,545,650, Mar. 20.

Cincinnati Milling Machine Co., The, assignee: *See*—
Ernst, Hans.

Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Knife guide for cutting machines. 2,545,842, Mar. 20.

Clark, Thomas, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Labyrinth packings, particularly for use in internal-combustion turbines. 2,545,916, Mar. 20.

Clark, Thomas F., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Phenolic molding resins. 2,545,446, Mar. 20.

Clearing Machine Corporation, assignee: *See*—
Johansen, Einar K., and Glasner.

Clemence, Le Roy W., Highland Park, and M. T. Leffler, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Alkenylene bisisothiouronium compounds. 2,545,876, Mar. 20.

Clement, George A., assignor to General Optical Company, Inc., Mount Vernon, N. Y. Apparatus for grinding lenses. 2,545,447, Mar. 20.

Clement, George A., assignor to General Optical Company, Inc., Mount Vernon, N. Y. Apparatus for grinding lenses. 2,545,448, Mar. 20.

Cline, Theodore W., Bakersfield, Calif. Bulk granular material transporting vehicle. 2,545,766, Mar. 20.

Cloud, William S., Wilmette, Ill. Method and apparatus for preparing and using sheet material for packaging purposes. 2,546,059, Mar. 20.

Cohan, Henry, Rockville Centre, N. Y. Hinged joint for leg braces. 2,545,843, Mar. 20.

Collins, Robert B., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Internally lined and insulated chamber. 2,545,686, Mar. 20.

Columbian Carbon Company, assignee: *See*—
Dunne, John P.

Conner, Clarence L., McFarland, Calif. Rotary side delivery rake. 2,545,723, Mar. 20.

Continental Aviation & Engineering Corporation, assignee: *See*—
Klinge, Earl R.

Continental Motors Corporation, assignee: *See*—
Ginn, Earl.

Control Instrument Company, Inc., assignee: *See*—
Leatherman, Clifford C.

Cook, Albert W., assignor to Wingfoot Corporation, Akron, Ohio. Compound master cylinder. 2,545,685, Mar. 20.

Cook Electric Company, assignee: *See*—
Baker, John S.

Coon, James P., Syracuse, N. Y., assignor to General Electric Company. Flexible antenna mounting. 2,546,026, Mar. 20.

Cooper, Franklin D.: *See*—
Tiddy, William, and Cooper.

Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Spray head for fluid receptacles. 2,545,991, Mar. 20.

Corner, George H. C., Sutton Coldfield, England, assignor to Lightning Fasteners Limited. Sliding clasp fastener. 2,546,088, Mar. 20.

Couglas, Gus, Gary, Ind. Automatically adjustable bookrack. 2,545,844, Mar. 20.

Cowie, James C., Liverpool, Nova Scotia, Canada, assignor to Mersey Paper Company, Limited. Drainage device for drum driers. 2,545,917, Mar. 20.

Craig, Winfred C., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. N-substituted benzimidazoles. 2,545,687, Mar. 20.

Crewdson, Eric, assignor to Gilbert Gilkes and Gordon Limited, Kendal, England. Pumping apparatus. 2,546,089, Mar. 20.

Critchfield, Robert M., and P. L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator control system. 2,545,688, Mar. 20.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Crosby, Stephen A., and P. Zasadny, Chicago, Ill., assignors, by mesne assignments, to Porter-Cable Machine Company, Syracuse, N. Y. Portable rubbing machine. 2,545,942, Mar. 20.

Cubitt, Roger H.: *See*—
Sell, Richard G., and Cubitt.

Cumming, James M.: *See*—
Lingal, Harry J., and Cumming.

Cummings, Leland W. T., Wyncote, assignor to Sun Oil Company, Philadelphia, Pa. Fractionating tower bubble cap tray. 2,545,651, Mar. 20.

Cunningham, Burris B., Chicago, Ill., C. Smith, Oakland, Calif., and J. S. Dixon, Santa Fe, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Coating with plutonium acetylacetonate and coated product. 2,545,696, Mar. 20.

Cunningham, M. E., Company, assignee: *See*—
Speicher, Frank S.

Curley, Clarke C., Lorain, Ohio. Operating mechanism for a window and casing assembly. 2,545,449, Mar. 20.

Curtis, Cecil C., Washington, D. C. Applicator for heat manipulation of the eyes. 2,545,724, Mar. 20.

D'Alfonso, Alexander C., Santa Barbara, Calif. Suspension unit for overhead swinging doors. 2,546,060, Mar. 20.

Dalton, Clarence E., assignor to Dalton Manufacturing Company, Clayton, Mo. Trestle leg and hinge bracket. 2,545,767, Mar. 20.

Dalton, John N., and W. B. Kaupin, assignors to Pacific Mills, Lawrence, Mass. Resin treatment of wool fabric. 2,545,450, Mar. 20.

Dalton Manufacturing Company, assignee: *See*—
Dalton, Clarence E.

Dancyger Manufacturing Company, assignee: *See*—
Brown, John W.

Dann, Charles W., Orange, and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph recorder and reproducer. 2,545,652, Mar. 20.

Dannenberg, Hans, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymers from allylic alcohol monoethers of trihydric alcohols. 2,545,689, Mar. 20.

Darnell, Rex C., Dexter, assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer mounting. 2,546,090, Mar. 20.

Daul, George C.: *See*—
Reid, John D., and Daul.

Davis, Severino A., Chicago, Ill. Vehicle window wiper. 2,545,768, Mar. 20.

Davidson, Norman R.: *See*—
Fried, Sherman, and Davidson.

Davis, Austin E., and L. M. Perry, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Material suitable for decoration by stamping and making same. 2,545,918, Mar. 20.

Davis, Evan A.: *See*—
Manjoine, Michael J., and Davis.

Davis, Evan E., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Deashing petroleum residua. 2,545,806, Mar. 20.

De Beauvais, Pierre, Paris, France. Socket contact with resilient inserts. 2,546,061, Mar. 20.

Dedio, Thomas, Thorsby, Alberta, Canada. Level indicator for seed hoppers. 2,545,992, Mar. 20.

De Directie van Staatsmijnen in Limburg, assignee: *See*—
Haringhuizen, Pieter J.

Deere Manufacturing Co., assignee: *See*—
Fletcher, Edward H.
Hill, George B., and Jones.

De Haven, La Vern H., assignor to Bowser, Inc., Fort Wayne, Ind. Cylindrical bag filter element. 2,545,769, Mar. 20.

Dennison Manufacturing Company, assignee: *See*—
Owen, Haddon S.

De Normanville, Edgar J., Berkhampstead, England. Epicyclic power transmission mechanism. 2,546,091, Mar. 20.

Descarsin, Maurice, Paris, France, assignor to General Electric Company. Sheathing electric conductors. 2,545,877, Mar. 20.

Desloge, George B., University City, assignor to Watlow Electric Manufacturing Company, St. Louis, Mo. Clamping band. 2,545,653, Mar. 20.

Deters, Elmer M.: *See*—
Bovee, John L., Jr., and Deters.

De Waern, Bror A., Akeslund, Sweden. Engine cooling. 2,545,807, Mar. 20.

Dewey, Leslie E.: *See*—
Squier, Ralph T., and Dewey.

Dickey, Paul S.: *See*—
Bailey, Ervin G., and Dickey.

Diesenhaus, Sidney: *See*—
Gellman, Abraham, and Diesenhaus.

Di Giovanni, Joseph, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y. Motor protective circuit. 2,545,690, Mar. 20.

Dixon, Henry M., Miami, Fla. Jointing gauge for circular saws. 2,545,607, Mar. 20.

Dixon, Jonathan S.: *See*—
Cunningham, Burris B., Smith, and Dixon.

Dobeckmun, Company, The, assignee: *See*—
Schmidt, David.

Dobrin, Harry, assignor to Furnace Engineers Incorporated, Pittsburgh, Pa. Metallurgical heating apparatus. 2,545,725, Mar. 20.

Doherty, William H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance monitor. 2,545,544, Mar. 20.

Dokken, Jörgen N., A. R. Wigeland, and C. A. Andersen, Oslo, Norway. Sliding door arrangement. 2,545,726, Mar. 20.

Dole Valve Company, The, assignee: *See*—
Sanborn, Frank E.

Dooley, John T., Buffalo, N. Y. Burglar alarm switching system. 2,545,727, Mar. 20.

Doughty, Howard W., Amherst, assignor to Firetox Company, Holyoke, Mass. Absorbing gases in liquids. 2,545,654, Mar. 20.

Downey, Reginald L., Syracuse, N. Y., assignor to General Electric Company. Neutralized crystal oscillator. 2,546,027, Mar. 20.

Doyle, Irving W., Massapequa, and H. E. Hale, Freeport, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Computer. 2,545,655, Mar. 20.

Drake, Herbert S., South Orange, N. J. Detachable armrest for automobile seats. 2,545,545, Mar. 20.

Drink-O-Matic Co., assignee: *See*—
Goldberg, Joseph H.

Dryer, Henry V.: *See*—
Amundson, Roald H., and Dryer.

Du Batto, Nicholas J., Mastic Beach, and C. Wolf, Ronkonkoma, N. Y. Plastic fence picket. 2,545,845, Mar. 20.

Dulaney, Eugene L., assignor to Merck & Co., Inc., Rahway, N. J. Production of streptomycin with a new actinomyces griseus mutant. 2,545,572, Mar. 20.

Dunn, Joseph F., New York, N. Y. Time-controlled temperature-responsive oven control. 2,545,846, Mar. 20.

Dunne, John P., assignor to Columbian Carbon Company, New York, N. Y. Modification of prolamins with glycols. 2,545,656, Mar. 20.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Barnhart, Robert E., and Cavanaugh.
Flenner, Albert L.

Du Pree, Robert J., Waitsburg, Wash. Circuit tester. 2,545,808, Mar. 20.

Durakool, Inc., assignee: *See*—
Posey, John W., and Welmer.

Dutton, John: *See*—
McIntyre, Brouwer D., Smith, and Dutton.

Dyer, Tom L., Jr., Washington, D. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,545,993, Mar. 20.

Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Byers.

Eastman Machine Company, assignee: *See*—
Clark, Frederick G.

Edison, Thomas A., Incorporated, assignee: *See*—
Dann, Charles W., and Somers.

Edwards, Robert L., Oak Park, assignor to S. Karpen & Bros., Chicago, Ill. Reversible seat back and armrest structure. 2,545,608, Mar. 20.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Variable tread wheel. 2,545,943, Mar. 20.

Elastic Stop Nut Corporation of America, assignee: *See*—
Erb, George H.

Elkington, Vivian, Watford, England. Manhole and inspection cover and frame. 2,545,771, Mar. 20.

Elkins, Edgar A., assignee: *See*—
Hatfield, Loran W.

Ellett, Alexander, River Forest, Ill., and M. M. Hubbard, Marblehead, Mass., assignors to Zenith Radio Corporation. Coded-signal receiver with revertive signaling. 2,545,770, Mar. 20.

Ellms, Robert W., Lakewood, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Reservoir exhaust for core blowing machines. 2,545,944, Mar. 20.

Eisenseer, Frank S., Cincinnati, Ohio. Ground meat patty forming machine. 2,545,451, Mar. 20.

Emberson, Keith L., assignor to Wingfoot Corporation, Akron, Ohio. Resilient seat. 2,545,513, Mar. 20.

English Electric Company Limited, The, assignee: *See*—
Caldbeck, Charles J.

Engstrom, Ernst F., Chicago, Ill. Multipiston motor or pump. 2,545,609, Mar. 20.

Ensign, William B., New Rochelle, N. Y., and O. Wildermann, River Edge, N. J. Ignition electrode device for gas burners. 2,545,945, Mar. 20.

Erb, George H., South Orange, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Anchoring device. 2,545,514, Mar. 20.

Erickson, Charles L.: *See*—
Erickson, Oscar G. and C. L.

Erickson, Lyle M.: *See*—
Newton, Orville L., and Erickson.

Erickson, Oscar G., Detroit, and C. L. Erickson, Ferndale, Mich. Internal-combustion engine. 2,545,946, Mar. 20.

Ernst, Hans, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Torque converter. 2,546,062, Mar. 20.

Essex Wire Corporation, assignee: *See*—
Prouty, Robert E.

Evans, Leigh R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Actuating mechanism for collets and the like. 2,545,610, Mar. 20.

Everett, Samuel J., Thornton Heath, England. Forming glass tubing. 2,545,728, Mar. 20.

Everett, Samuel J., Thornton Heath, England. Apparatus for the manufacture of thermoplastic tubes. 2,545,729, Mar. 20.

Eyelet Specialty Company, The, assignee: *See*—
Hopgood, Robert B.
Thompson, William G., and Hopgood.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Doyle, Irving W., and Hale.

Faulk, Raymond B., Dearborn, Mich. Decorative panel. 2,545,809, Mar. 20.

Fazimile, Inc., assignee: *See*—
Hester, Frank A.

Felip, Jeanne, New York, N. Y., and A. Biasi, Hazleton, Pa. Artificial pneumatic hand. 2,545,947, Mar. 20.

Fibre Products Laboratories, Inc., assignee: *See*—
Goldman, Esther R.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Method and apparatus for manufacturing ice. 2,546,092, Mar. 20.

Firetox Company, assignee: *See*—
Doughty, Howard W.

Fisher, Bernard C., Jersey City, N. J. Spark plug. 2,545,546, Mar. 20.

Fisher, Martin H.: *See*—
Kimball, Albert W., and Fisher.

Fisher, Oliver W., Jr., assignee: *See*—
Fisher, Oliver W., Sr.

Fisher, Oliver W., Sr., assignor of one-half to O. W. Fisher, Jr., Baton Rouge, La. Ant trap. 2,545,772, Mar. 20.

Fisher, Ralph J., Altadena, Calif. Glass filler faucet. 2,545,810, Mar. 20.

Flakice Corporation, assignee: *See*—
Field, Crosby.

Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Case for elongated articles. 2,545,611, Mar. 20.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flame-resistant zinc ethylene bis-dithiocarbamate fungicidal powder. 2,545,948, Mar. 20.

Fletcher, Edward H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Controllable stop for regulating strokes of fluid pressure apparatus. 2,545,573, Mar. 20.

Fletcher, Maurice J., Maxwell, Iowa, assignor to the United States of America as represented by the Secretary of War. Segmented articulated finger. 2,545,452, Mar. 20.

Flex-O-Glass, Inc., assignee: *See*—
Warp, Harold.

Foderaro, Frank, Lawrence, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Loading cops. 2,545,919, Mar. 20.

Forrest, Londell C., Berkeley, Calif. Dent remover with flexible shaft and vibrating means. 2,545,878, Mar. 20.

Forss, Frithiof P., Rockford, assignor, by mesne assignments, to Skilsaw, Inc., Chicago, Ill. Rotary pneumatic tool. 2,545,453, Mar. 20.

Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Focus coil arrangement. 2,546,028, Mar. 20.

Fouquet, Eugene, Bois-Colombes, France. Grinding machine. 2,545,730, Mar. 20.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Desk elevator. 2,545,949, Mar. 20.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Swivel chair iron. 2,545,950, Mar. 20.

Framke, Arthur M., Chicago, Ill. Garment hanger. 2,545,657, Mar. 20.

Fredrickson, Bert E., Green Bay, Wis. Archer's sight. 2,545,454, Mar. 20.

Freiheit, John M., assignee: *See*—
McGuinness, Joseph J.

French, George W., Chicago, Ill. Hearing aid support. 2,545,731, Mar. 20.

French, Glenn L., Aspen, Colo. Releasable ski binding. 2,545,574, Mar. 20.

Frentzel, Herman C., Milwaukee, Wis., assignor to McKee Door Company, Aurora, Ill. Traveler and brace for worms. 2,545,879, Mar. 20.

Frese, Carl W., New York, N. Y., and T. P. Scott, Caldwell, assignors to Specialties Development Corporation, Belleville, N. J. Discharging fire-extinguishing media. 2,545,951, Mar. 20.

Frick-Gallagher Manufacturing Company, The, assignee: *See*—
Frick, Paul H.

Frick, Paul H., Wynnewood, Pa., assignor to The Frick-Gallagher Manufacturing Company, Wellston, Ohio. Sales demonstrator for rotatable shelves. 2,545,455, Mar. 20.

Frick, Paul H., Wynnewood, Pa., assignor to The Frick-Gallagher Manufacturing Company., Wellston, Ohio. Foldable sales demonstrator for rotatable shelves. 2,545,456, Mar. 20.

Fried, Sherman, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Transuranic metal halides and the production thereof. 2,545,920, Mar. 20.

Fried, Sherman, Chicago, Ill., and N. R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Sulfur-containing compounds of neptunium and their preparation. 2,545,612, Mar. 20.

Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Nonphosphorescent calcium silicate phosphor containing indium. 2,545,880, Mar. 20.

Furnace Engineers Incorporated, assignee: *See*—
Dobrin, Harry.

Gabel, Nils, Stockholm, Sweden. Winch construction. 2,545,613, Mar. 20.

Gabler, Raymond T., Inglewood, Calif., and W. Altar, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Amplitude modulation of microwaves. 2,545,994, Mar. 20.

Gammell, Robert M., Spokane, Wash. Safety elevator. 2,545,457, Mar. 20.

Gannett, Wright K., and G. M. Mast, Davenport, assignors to Le Febure Corporation, Cedar Rapids, Iowa. Vertically adjustable table for office appliances. 2,545,515, Mar. 20.

Garber, John D.: *See*—
Sparks, William J., and Garber.

Gardner, Robert L., assignee: *See*—
Lloyd, Roy D.

Garrett Corporation, The, assignee: *See*—
Roth, Herman P.

Gates, William O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Detection of unbalance in alternating current loads. 2,545,547, Mar. 20.

Gauvreau, Joseph E., assignor to E. F. Kemp Corp., Somerville, Mass. Display cabinet. 2,545,575, Mar. 20.

Geerlings, Gerald K.: *See*—
Tynan, James N., and Geerlings.

Geigy, J. R., A. G., assignee: *See*—
Bossard, Werner, and Reding.

Gellman, Abe, & Company, assignee: *See*—
Gellman, Abraham, and Diesenhaus.

Gellman, Abraham, New York, and S. Diesenhaus, Monsey, assignors to Abe Gellman & Company, New York, N. Y. Zigzag sewing machine attachment. 2,545,658, Mar. 20.

General Aniline & Film Corporation, assignee: *See*—
Buc, Saul R., and Renfrew.
Craig, Winfred C.
Mayhew, Raymond L.
McDonald, Richard A.
Schmidt-Nickels, Wilhelm.
Smith, Carl M., and Randall.

General Electric Company, assignee: *See*—
Breadner, Robert L., and Simms.
Coon, James P.
Descarsin, Maurice.
Downey, Reginald L.
Foster, Raymond F.
Froelich, Herman C.
Isaacs, George G., and Nelson.
Knight, Chester R.
Lichtenstein, Roland M., Schultz, and Goodale.
Louden, Harry L.
Marsden, James.
Moir, James, and Graff-Baker.
Pipkin, Marvin.
Scheldorf, Owen H.
Studders, Robert J.
Zabel, William P.
Zimmer, John S.

General Instrument Corporation, assignee: *See*—
Bender, Kenneth R.

General Motors Corporation, assignee: *See*—
Carson, Howard, and Light.
Critchfield, Robert M., and Schneider.
Leach, Clayton B.
Snow, Robert R.
Sullivan, Raymond H., Hardy, and Porter.

General Optical Company, Inc., assignee: *See*—
Clement, George A.

General Time Corporation, assignee: *See*—
Kaefer, Martin H., and Bassett.

Gerhold, Clarence G., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Fractionating apparatus. 2,545,691, Mar. 20.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Transmission. 2,546,063, Mar. 20.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Transmission. 2,546,064, Mar. 20.

Gessler, Albert M., Cranford, N. J., assignor to Standard Oil Development Company. Diolefin-nitrile copolymer plasticized with hydrocarbon polymer. 2,545,516, Mar. 20.

Gilbert, Gilkes, and Gordon Limited, assignee: *See*—
Crewdson, Eric.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Field strength meter. 2,546,093, Mar. 20.

Ginn, Earl, Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Multiple engine power plant. 2,545,458, Mar. 20.

Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Adjustable handle for tools. 2,545,659, Mar. 20.

Girling, Frank E. J., Malvern, England. Cathode-ray tube time base. 2,546,065, Mar. 20.

Glasner, Rudolph W.: *See*—
Johansen, Einar K., and Glasner.

Gleasman, Hollis K.: *See*—
Gleasman, Vernon E. and H. K.

Gleasman, Vernon E. and H. K., Elmira, N. Y. Taper tap. 2,546,066, Mar. 20.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Resin-forming reaction of phenol, aldehyde, and amine in presence of polyhalophenol. 2,545,692, Mar. 20.

Goad, Sherman, Indianapolis, Ind. Hay handling apparatus. 2,546,094, Mar. 20.

Godley, Philip, 2nd, Lexington, assignor to National Research Corporation, Cambridge, Mass. Automatic control of evaporated metal film thickness. 2,545,576, Mar. 20.

Goldberg, Joseph H., assignor to Drink-O-Matic Co., Chicago, Ill. Multibeverage vending machine. 2,545,614, Mar. 20.

Goldfarb, Adolph, assignor to M. R. Kraus, Chicago, Ill., as trustee. Children's feeding device. 2,546,122, Mar. 20.

Goldfarb, Adolph, assignor to M. R. Kraus, Chicago, Ill., as trustee. Animated smoke emitting toy. 2,546,123, Mar. 20.

Goldman, Esther R., Newark, assignor to Fibre Products Laboratories, Inc., New Brunswick, N. J. Unwoven flexible fabric. 2,545,952, Mar. 20.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polarized protective relay. 2,545,995, Mar. 20.

Gonzalez, Anthony A., Chicago, Ill. Collapsible tube winding and extruding key. 2,545,773, Mar. 20.

Goodale, Edmund E.: *See*—
Lichtenstein, Roland M., Schultz, and Goodale.

Goodrich, B. F., Company, The, assignee: *See*—
Krupp, Carroll P.
Luke, Marvin B.

Goodwillie, John E., and A. A. Neese, assignors to Beloit Iron Works, Beloit, Wis. Control mechanism for fluid motors. 2,545,921, Mar. 20.

Gordon, Robert B.: *See*—
Scott, Howard, Gordon, and Hull.

Goss, Worth C., Seattle, Wash., assignor, by mesne assignments, to E. S. Heller. Making glue from wood and a lumber product. 2,545,459, Mar. 20.

Gouffon, Jean-Jacques, assignor to Paillard S. A., Sainte-Croix, Switzerland. Switch. 2,545,548, Mar. 20.

Graff-Baker, William S.: *See*—
Moir, James, and Graff-Baker.

Graham, Erwin W., Parma Heights, assignor, by mesne assignments, to Graham-Mintel Instrument Company, Cleveland, Ohio. Electronic indicator. 2,545,881, Mar. 20.

Graham, James J., assignor to H. L. Judd Company, Wallingford, Conn. Rack. 2,545,996, Mar. 20.

Graham-Mintel Instrument Company, assignee: *See*—
Graham, Erwin W.

Gray, Trevor, Crossways, Shenfield, assignor to Marconi Sounding Device Company Limited, London, England. Pulsed echo sounder and like subaqueous distance measuring apparatus. 2,545,922, Mar. 20.

Graybill, Howard W., Honey Brook, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,545,660, Mar. 20.

Greene, Clarence K.: *See*—
Triplett, Tom A., and Greene.

Gregg Car Company, Ltd., assignee: *See*—
Gregg, Otis T.

Gregg Company, Ltd., The, assignee: *See*—
Gregg, Otis T.

Gregg, Otis T., Hackensack, N. J., assignor to The Gregg Company, Ltd., New York, N. Y., and Gregg Car Company, Ltd., Panama, R. P. Side bearing for car trucks. 2,546,029, Mar. 20.

Grewe, John, Hartwell, Ohio. Dumpcart. 2,546,030, Mar. 20.

Griffin, Norman M., Boston, Mass. Detachable extension for pressure cookers. 2,545,577, Mar. 20.

Grimes, Harlan E., Bromley, Ludlow Station, Ky., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Two-way telephone trunk circuit. 2,546,067, Mar. 20.

Griswold, Donald G., San Marino, Calif. Rotary fluid motor and valve means for controlling the same. 2,545,774, Mar. 20.

Grob, Cyril, Basel, assignor to Haco-Gesellschaft A. G., Gumligen, near Berne, Switzerland. 3-nitro-4-hydroxythiophanes. 2,545,433, Mar. 20.

Grob, Cyril, Basel, assignor to Haco-Gesellschaft A. G., Gumligen, near Berne, Switzerland. 3-nitro-4-aminothiophanes. 2,545,434, Mar. 20.

Grossman, John R., Portland, and W. L. Milliken, Oregon City, Oreg. Oil indicator label holder. 2,545,693, Mar. 20.

Grossman, John R., Portland, and W. L. Milliken, Oregon City, Oreg. Oil indicator. 2,545,694, Mar. 20.

Guedon, Emile C., Audubon, N. J. Automatic record changer spindle. 2,545,847, Mar. 20.

Guill, Nat A. L., Broadview, and B. V. Malmberg, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Safety control for machines. 2,545,549, Mar. 20.

Gustavsson, Karl-Axel G., Enkoping, Sweden. Method and apparatus for dividing pulverous material into desired fractions by means of a rotating sifting machine. 2,546,068, Mar. 20.

Gustlin, Walter, Laguna Beach, Calif. Foot massager. 2,546,095, Mar. 20.

Haco-Gesellschaft A. G., assignee: *See*—
Grob, Cyril.

Hagelston, Paul J., Danvers, and R. S. Ives, Topsfield, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrode coating. 2,545,695, Mar. 20.

Hager, Guy Y.: *See*—
Leonard, Merrill G., and Hager.

Hagoplan, Richard H., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio apparatus. 2,545,997, Mar. 20.

Hale, Henry E.: *See*—
Doyle, Irving W., and Hale.

Hall, Carlyle, Seattle, Wash. Rotary hoist. 2,545,953, Mar. 20.

Hall, Charles B., Chicago, Ill. Key operated elapsed time and earnings computing and recording machine. 2,545,460, Mar. 20.

Hall, Harry, Erith, England. Apparatus for scraping and cleaning conveyer belts. 2,545,882, Mar. 20.

Hall, Harry, Erith, England. Apparatus for scraping and cleaning conveyer belts, rollers, and the like. 2,545,883, Mar. 20.

Hall, Harvey H., Denver, Colo. Garage door operating device. 2,545,775, Mar. 20.

Hamilton, Ausdille T., Alexandria, La. Window guard. 2,545,776, Mar. 20.

Hamilton, James W., Valley Stream, N. Y. Combustion control. 2,545,732, Mar. 20.

Haneiko, John G.: *See*—
Puchlowski, Konstanty P., and Haneiko.

Hanel, Franz, Baden, Germany. Antiskid device for motor vehicles. 2,545,578, Mar. 20.

Hanson, George H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Regeneration of alumina-chromia catalyst. 2,546,031, Mar. 20.

Hansson, Bror O. N., Angby, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Flanged container for electric condensers. 2,545,661, Mar. 20.

Hardin, Harry L., Charlotte, N. C. Support for rearview mirrors. 2,545,777, Mar. 20.

Hardinge Brothers, Inc., assignee: *See*—
Evans, Leigh R.
O'Connell, James R.

Hardy, Vaughn H.: *See*—
Sullivan, Raymond H., Hardy, and Porter.

Haringhuizen, Pieter J., Geleen, assignor to De Directie van Staatsmijnen in Limburg, Heerlen, Netherlands. Preparation of krypton-rich gases. 2,545,778, Mar. 20.

Harris, Sterling G., and R. H. Carrington, Beaufort, assignors to The Blue Channel Corporation, Port Royal, S. C. Apparatus for the recovery of crab meat from bony material by gravity liquid separation. 2,545,517, Mar. 20.

Harrison, Riva R., Monument Beach, Mass. Electric pencil sharpener. 2,545,779, Mar. 20.

Hart, Frederick H. M., Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation. Record strip magazine and mounting. 2,546,124, Mar. 20.

Hart, Wallace L., assignor to Roofing Machinery Mfg. Company, Chicago, Ill. Ejector mechanism for cutting cylinders. 2,546,069, Mar. 20.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Breimer, Sytse.

Hartwig, Edward C., Towanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding current regulator. 2,545,998, Mar. 20.

Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Preparing vinyl resin sulfurized furfuraldehyde reaction products. 2,545,461, Mar. 20.

Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Material handling device. 2,545,696, Mar. 20.

Hatcher, David B., and R. H. Runnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cycloaliphatic silanes. 2,545,780, Mar. 20.

Hatfield, Loran W., assignor to E. A. Elkins, Los Angeles, Calif. Child's hot food dish. 2,545,733, Mar. 20.

Hatley, Fred J., Maywood, Ill. Aerial projectile game goal. 2,545,615, Mar. 20.

Hauf, George F., River Forest, assignor to Chicago Metal Mfg. Co., Chicago, Ill. Construction of flexible pipe couplings. 2,546,096, Mar. 20.

Haven, Roger W., Winchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp holder for elongated fluorescent lamps. 2,545,697, Mar. 20.

Haynes, Pierre E., Indianapolis, Ind., assignor to Koppers Company, Inc. System for separation of argon from air. 2,545,462, Mar. 20.

Hays Manufacturing Company, assignee: *See*— Miller, Wesley G.

Hayward, John W.: *See*— Zepp, Louis H., and Hayward.

Heller, Edward S., assignee: *See*— Goss, Worth C.

Henrikson, Oscar W., Chicago, and R. L. Sargisson, Berwyn, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Plunger release lever. 2,546,070, Mar. 20.

Heslin, John J.: *See*— Jones, Webster, and Heslin.

Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Black and white limiter. 2,545,463, Mar. 20.

Hesterberg, Frederick, Norborne, Mo. Hand guided tractor. 2,545,781, Mar. 20.

Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Plasticized polyvinyl resin. 2,545,811, Mar. 20.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pulverized coal atomizer. 2,545,518, Mar. 20.

Heymann, Seymour E., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,545,616, Mar. 20.

Hild, Henry F., Merion Park, assignor to Proctor Electric Company, Philadelphia, Pa. Self-leveling support for ironing tables. 2,546,097, Mar. 20.

Hill, George B., and F. D. Jones, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Bale tying mechanism. 2,545,579, Mar. 20.

Hirschberg, Charles A., Mountain Lakes, N. J. Internal-combustion percussive tool. 2,545,999, Mar. 20.

Hockberger, William G., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,545,954, Mar. 20.

Hodges, Arabelle B.: *See*— McDaniel, Lloyd E., and Hodges.

Hoe, R., & Co., Inc., assignee: *See*— Albrecht, Alexander J.

Hoeppner, Conrad H., Washington, D. C., and C. H. Smith, Jr., Arlington, Va. Pulse group discriminator. 2,545,464, Mar. 20.

Holley, Earl, assignee: *See*— Holley, George M., Jr., and Orr. Orr, Andrew W., Jr. Smitley, Marion L.

Holley, George M., assignee: *See*— Holley, George M., Jr., and Orr. Orr, Andrew W., Jr. Smitley, Marion L.

Holley, George M., Jr., Grosse Pointe, and A. W. Orr, Jr., Detroit, Mich., assignors to G. M. and E. Holley. Gas turbine governor. 2,545,698, Mar. 20.

Holman, Clarence T., Glendale, Calif. Gardener's tool. 2,545,734, Mar. 20.

Holmberg, Hans A., Conklin, N. Y. Fruit and vegetable cutter and peeler. 2,546,032, Mar. 20.

Hoop, John G.: *See*— Peck, Clarence E., and Hoop.

Hopgood, Robert B.: *See*— Thompson, William G., and Hopgood.

Hopgood, Robert B., Cheshire, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container or the like. 2,545,848, Mar. 20.

Hopgood, Robert B., Cheshire, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container or the like. 2,545,849, Mar. 20.

Hopkins, Edward G., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Modulation. 2,545,935, Mar. 20.

Hoppe, Leo, Chicago, Ill. Miter gauge. 2,545,580, Mar. 20.

Hosford, Leo W., San Francisco, Calif. Combined fluid mixing and dispensing device. 2,545,812, Mar. 20.

Hough, Clinton W., Pasadena, Calif. Stereoscopic apparatus. 2,545,465, Mar. 20.

Houghton, Howard D., West Los Angeles, and T. A. Woolsey, Pasadena, assignors to Marman Products Company, Inc., Inglewood, Calif. Quick-acting clamp. 2,546,098, Mar. 20.

Howard, Arthur C., Upminster, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Power-driven cultivator. 2,545,735, Mar. 20.

Howden, James, & Company Limited, assignee: *See*— Lee, Leonard.

Howes, Donald A., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Fuel oils for gas turbine engines and making same. 2,546,125, Mar. 20.

Hubbard, Malcolm M.: *See*— Ellett, Alexander, and Hubbard.

Hubbell, Harvey, Inc., assignee: *See*— Von Holtz, Charles T.

Huck, Alfred J., and C. D. Visos, assignors to Knapp-Monarch Company, St. Louis, Mo. Thermal control. 2,545,662, Mar. 20.

Hudson Engineering Corporation, assignee: *See*— Lau Bach, Neal B.

Hugin, Adolph C., Washington, D. C. Micrometric insulation tester. 2,545,782, Mar. 20.

Hull, Frederick C.: *See*— Scott, Howard, Gordon, and Hull.

Hult, William A. E., San Diego, Calif. Apparatus to produce fresh water from ocean water. 2,546,071, Mar. 20.

Hunter, William: *See*— Baker, George A., and Hunter.

Hutt, Arthur R., Hopatcong, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for introducing gases into molten metal. 2,545,663, Mar. 20.

Hyde Manufacturing Company, assignee: *See*— Thomas, Alexander.

Ihly, William L.: *See*— Russell, Robert D., and Ihly.

Illinois Watch Case Co., assignee: *See* — Case, Percival H., Karr, and Koeber. King, David M. Kuehn, John J.

Imhoff, Donald H., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,545,850, Mar. 20.

Immel, Ralph B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic actuator. 2,546,000, Mar. 20.

Immel, Ralph B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Auxiliary contact assembly. 2,546,001, Mar. 20.

Imperial Chemical Industries Limited, assignee: *See*— Landquist, Justus K.

Industrial Tape Corporation, assignee: *See*— Stanley, Alexander J., and Nicholls.

Ing. C. Olivetti & C. S. P. A., assignee: *See*— Capellaro, Natale.

Ingersoll-Rand Company, assignee: *See*— Morrison, William A.

Ireland, John C.: *See*— Bellairs, Guy F., and Ireland.

Isaacs, George G., Kenton, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. High-pressure mercury vapor electric discharge lamp. 2,545,884, Mar. 20.

Isacco, Vittorio, London, England. Rotating wing parachute. 2,545,736, Mar. 20.

Ives, Robert S.: *See*— Hagelston, Paul J., and Ives.

Jackson, Alexander F., East Orange, N. J. Hydrostatic weighing scale. 2,545,923, Mar. 20.

Jackson, Andrew H., Opportunity, Wash. Extensible handle assembly. 2,545,813, Mar. 20.

Jackson, Herman F., Detroit, Mich. Hair grooming device. 2,545,885, Mar. 20.

Jamison, George C., Goodyear, and H. A. Wagg, Phoenix, Ariz., said Jamison assignor to said Wagg. Umbrella. 2,546,099, Mar. 20.

Jasper Wood Crafters, Inc., assignee: *See*— Thyen, Herbert E.

Jeanlin, Pierre, assignor to Societe Le Teleampliphone, Paris, France. Loud-speaker telephone installation. 2,545,466, Mar. 20.

Jeanlin, Pierre, assignor to Societe Le Teleampliphone, Paris, France. Two-way loud-speaker telephone installation. 2,545,467, Mar. 20.

Jelinek, Ulrich, Springfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass jewel bearing. 2,546,002, Mar. 20.

Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Ironing board structure. 2,545,699, Mar. 20.

Johansen, Einar K., Oak Park, and R. W. Glasner, assignors to Clearing Machine Corporation, Chicago, Ill. Metalworking power press. 2,546,100, Mar. 20.

Johns-Manville Corporation, assignee: *See*— Voigt, Paul A.

Johnson, Ed. C., Nunn, Colo. Railroad tie puller. 2,545,783, Mar. 20.

Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection pump mechanism. 2,545,664, Mar. 20.

Johnson, S. C., & Son, Inc., assignee: *See*— Steibel, James P.

Johnstone, Charles W., Los Alamos, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fast impulse circuits. 2,545,924, Mar. 20.

Jones, Frank D.: *See*— Hill, George B., and Jones.

Jones, Mildred A., administratrix: *See*— Jones, Webster, and Heslin.

Jones, Webster, deceased: M. A. Jones, administratrix, New York, N. Y., and J. J. Heslin, Waltham, Mass., assignors to Chemo-Textiles, Inc. Apparatus for impregnating yarns. 2,545,468, Mar. 20.

Jordan, John F., Terrace Park, assignor to The Baldwin Company, Cincinnati, Ohio. Vibrato system. 2,545,469, Mar. 20.

Jordan, Kurt, assignor to Brunsviga Maschinenwerke Aktiengesellschaft, Brunswick, Germany. Calculating machine. 2,545,550, Mar. 20.

Joy Manufacturing Company, assignee: *See*— Paget, Win W.

Judd, H. L., Company, assignee: *See*— Graham, James J.

Julien, Maurice F. A., Toulouse, France. Suspension device for vehicles. 2,545,956, Mar. 20.

Kaefer, Martin H., Thomaston, and E. S. Bassett, Waterbury, Conn., assignors to General Time Corporation. Timer mechanism. 2,545,617, Mar. 20.

Kalis, Kornelis P., Voorburg, assignor of one-half to N. V. Matepa, Maatschappij tot Exploiteeren van Octrooien en Licenties, 's-Hertogenbosch, Netherlands. Ensiling vegetable products. 2,546,101, Mar. 20.

Kardos, Gene, New York, N. Y. Imitation cigar. 2,545,851, Mar. 20.

Karpen, S., & Bros., assignee: *See*— Edwards, Robert L.

Karr, Philip L.: *See*— Case, Percival H., Karr, and Koeber.

Kauffman, Edmund J., Sr., Girard, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Ingot and mold for making the same. 2,545,925, Mar. 20.

Kaupin, William B.: *See*— Dalton, John N., and Kaupin.

Kear, Allen T., Goodland, Kans. Rotary snowplow. 2,545,470, Mar. 20.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Color television pickup system. 2,545,957, Mar. 20.

Kellogg, M. W., Company, The, assignee: *See*— Palmer, George H. Passino, Herbert J.

Kells, John D., Brooklyn, N. Y. Shoe heel. 2,545,519, Mar. 20.

Kelly, John H., and H. H. Teal, Pittsburgh, Pa., said Teal assignor to said Kelly. Shoe sole conditioning machine. 2,545,471, Mar. 20.

Kemp, E. F., Corp., assignee: *See*— Gauvreau, Joseph E.

Kemp, William J., Deptford, assignor to Mollins Machine Company Limited, London, England. Endless conveyer. 2,546,072, Mar. 20.

Kempster, George A., Ashland, Mass. Device for treating teeth and gums. 2,545,814, Mar. 20.

Kenner, Howey J., Oakland, Calif. Alignment device support. 2,545,784, Mar. 20.

Kerr, Robert B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Phase converting circuit. 2,546,126, Mar. 20.

Kerst, Donald W., Champaign, assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Induction accelerator. 2,545,958, Mar. 20.

Ketchum, William R., Phoenix, Ariz. Purifying citrus juices. 2,545,581, Mar. 20.

Kimball, Albert W., Buffalo, N. Y., and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current limit generator. 2,546,003, Mar. 20.

King, David M., Chicago, Ill., assignor to Illinois Watch Case Co. Radio apparatus construction. 2,545,959, Mar. 20.

King-Seeley Corporation, assignee: *See*— Darnell, Rex C.

King, William E.: *See*— Whitzel, Raymond T., and King.

Kinkead, Robert S., St. Paul, Minn. Spider for lawn mower reels. 2,545,520, Mar. 20.

Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Progressive dielectric heating. 2,546,004, Mar. 20.

Kline, Morris, Little Silver, N. J. Radio system. 2,545,472, Mar. 20.

Klinge, Earl R., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Pulse jet metering unit. 2,545,815, Mar. 20.

Knapik, Frank M., assignor of one-third to R. F. Knapik and one-third to H. C. Knapik, University Heights, Ohio. Tool for cutting dentures. 2,545,521, Mar. 20.

Knapik, Helen C., assignee: *See*— Knapik, Frank M.

Knapik, Ralph F., assignee: *See*— Knapik, Frank M.

Knapp-Monarch Company, assignee: *See*— Huck, Alfred J., and Visos.

Knieriem, George G., Jr., Long Beach, Miss. Page-end indicator for typewriters. 2,545,582, Mar. 20.

Knight, Chester R., Scotia, N. Y., assignor to General Electric Company. Magnetically controlled electron discharge amplifier circuits. 2,546,033, Mar. 20.

Knowles, Frank W., Seattle, Wash., assignor to Beltice Corporation. Ice-flake machine. 2,546,005, Mar. 20.

Koch, Herbert W., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic electronic detecting and testing apparatus for switching systems. 2,545,551, Mar. 20.

Koeber, Henry J., Jr.: *See*— Case, Percival H., Karr, and Koeber.

Koester, John P., and R. J. Purdy, Piqua, and O. W. Berglund, Dayton, assignors to The Orr Felt and Blanket Company, Piqua, Ohio. Fatigue tester. 2,545,816, Mar. 20.

Kooistra, Lambert, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Openable closure for chambers under superatmospheric internal pressure and associated fluid pressure means for preventing the escape of fluids therefrom. 2,545,886, Mar. 20.

Kopec, Stanley J., Detroit, Mich. Grinding machine attachment. 2,545,618, Mar. 20.

Koppers Company, Inc., assignee: *See*— Haynes, Pierre E.

Kosik, Martin, Cleveland, Ohio, assignor of fifty per cent to A. Meredyk. Cutting tool handle and blade linkage. 2,546,073, Mar. 20.

Krasnow, Shelley: *See*— Test, Meyer J., and Krasnow.

Kraus, Max R., assignee, trustee: *See*— Goldfard, Adolph.

Krenkau, George A., U. S. Army, Silver Spring, Md. Muzzle cover. 2,545,473, Mar. 20.

Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,545,817, Mar. 20.

Kuehn, John J., Chicago, assignor, by mesne assignments, to Illinois Watch Case Co., Elgin, Ill. Reel drive mechanism for motion-picture projectors. 2,545,960, Mar. 20.

Kugler, Joseph H.: *See*— McNamara, William J., and Kugler.

Kurland, Jerome J. and Joseph J., Chicago, Ill. Delayed detonating means for projectiles. 2,545,474, Mar. 20.

Kurland, Joseph J.: *See*— Kurland, Jerome J. and Joseph J.

Kurzweil, Robert: *See*— Pesqueira, Juventino J., and Kurzweil.

Kurzweil, Robert, Kew Gardens, and J. J. Pesqueira, assignors to Morey Machinery Co. Inc., Astoria, N. Y. Hydraulically operated tailstock. 2,545,852, Mar. 20.

La Bard, Lillian S., New York, N. Y. Spectacles. 2,545,583, Mar. 20.

Ladig, Cletus A., assignee: *See*— Brothers, William B.

Lambert, Roger E., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Electric glass furnace. 2,545,619, Mar. 20. Class 20.

Lamonde, Alphonse, Quebec, assignor to H. Beaupre, St. Raymond, Quebec, Canada. Window. 2,545,785, Mar. 20.

Lamoureux, George, Worcester, Mass. Tapping device for liquid-containing vessels. 2,545,620, Mar. 20.

Landquist, Justus K., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. 5-methoxyquinoxaline-1,4-di-N-oxide. 2,545,786, Mar. 20.

Langdon, Mary E., Sterling, Ill.: now by marriage M. E. Link. Ruffle and lace doily attachment for irons. 2,545,621, Mar. 20.

Langel, Robert, Courtelary, Switzerland. Apparatus for internal truing of holes. 2,545,435, Mar. 20.

Langenfeld, William F., Earling, Iowa. Tractor chain. 2,545,887, Mar. 20.

Lansing, Paul J., Los Angeles, Calif., assignor to Thompson Products, Inc., Cleveland, Ohio. Multiple pump and motor unit for aircraft fuel systems. 2,546,034, Mar. 20.

Lantz, Alpha P., Washington, D. C. Portable collapsible ironing board. 2,545,475, Mar. 20.

Larkin, Charles R., Fort Wayne, Ind. Barbecue appliance. 2,545,818, Mar. 20.

Larsen, Merwin J., Villa Park, assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Musical instrument. 2,545,665, Mar. 20.

Lau Bach, Neal B., assignor to Hudson Engineering Corporation, Houston, Tex. Air and liquid cooling apparatus and method. 2,545,926, Mar. 20.

Leach, Clayton B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Pressure reducing valve. 2,545,787, Mar. 20.

Leatherman, Clifford C., assignor to Control Instrument Company, Inc., New York, N. Y. Verifying device. 2,545,819, Mar. 20.

Lee, Leonard, assignor to James Howden & Company Limited, Glasgow, Scotland. Hydraulic dust trap. 2,545,853, Mar. 20.

Leeming, Mason S., Skokie, Ill. Ear muff. 2,545,552, Mar. 20.

Le Febure Corporation, assignee: *See*— Gannett, Wright K., and Mast.

Leffler, Marlin T.: *See*—
Clemence, Le Roy W., and Leffler.

Lehr, Paul E., Brea, Calif. Quick-setting rate flow nozzle. 2,545,820, Mar. 20.

Leishman, Le Roy J., Los Angeles, Calif. Apparatus for measuring depth by stereoscopic views. 2,545,622, Mar. 20.

Leonard, Frank D.: *See*—
Weaver, Maxwell C., and Leonard.

Leonard, Merrill G., Sharon, and G. Y. Hager, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,546,006, Mar. 20.

Le Rette, Jerome H., Palos Heights, Ill. Buffer. 2,546,102, Mar. 20.

Lévy, Jacques, Paris, France, now by change of name, Jacques Lory. Loud-speaker telephone intercommunication system. 2,545,476, Mar. 20.

Lévy, Jacques, Paris, France, now by change of name, Jacques Lory. Two-way loud-speaker intercommunication system. 2,545,477, Mar. 20.

Lévy, Jacques, Paris, France, now by change of name, Jacques Lory. Telephone installation using a single line. 2,545,478, Mar. 20.

Levy, Morris, Philadelphia, Pa. Fire alarm switch. 2,545,854, Mar. 20.

Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., White Plains, N. Y. Reflex type loudspeaker. 2,545,961, Mar. 20.

Lewis, Charles E., Trail City, S. Dak. Cigarette holder. 2,546,127, Mar. 20.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Hatcher, David B., and Bunnell.
Watkins, George B.

Lichtenstein, Roland M., and W. W. Schultz, Schenectady, and E. E. Goodale, Scotia, N. Y., assignors to General Electric Company. High-voltage supply. 2,546,035, Mar. 20.

Lieber, Eugene, West New Brighton, N. Y., assignor to Standard Oil Development Company. Olefin-dihydronaphthalene copolymers. 2,545,522, Mar. 20.

Liebling, Rose, Atlanta, Ga. Toilet seat cover. 2,545,436, Mar. 20.

Light, James W.: *See*—
Carson, Howard, and Light.

Lightning Fasteners Limited, assignee: *See*—
Corner, George H. C.

Lindell, Sigurd L., assignor to S & C Electric Company, Chicago, Ill. Terminal construction for fuses and the like. 2,546,074, Mar. 20.

Lindemann, Harry, Teaneck, N. J. Supporting bracket for building molding forms. 2,545,437, Mar. 20.

Lindsley, Thayer, New York, N. Y., and P. P. Alexander, assignors to Metal Hydrides Incorporated, Beverly, Mass. Reducing refractory oxides. 2,545,821, Mar. 20.

Lindstrom, Ture: *See*—
Sandin, Jerome, and Lindstrom.

Lingal, Harry J., Forest Hills, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,546,007, Mar. 20.

Link, Mary E.: *See*—
Langdon, Mary E.

Lloyd, Roy D., assignor of one-half to R. L. Gardner, Pittsburgh, Pa. Snuffer structure for cigarette lighters. 2,546,128, Mar. 20.

Lockwood, Ernest R., Joliet, Ill. Constant tension nut stop. 2,545,927, Mar. 20.

Loewy, Raymond G. F., Sands Point, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Passenger vehicle. 2,545,523, Mar. 20.

Loikema, Jan, Hoogezand, H. A. van Weston, Amsterdam, and J. V. Vlugter, Oberveen, assignors to Naamlooze Vennootschap: WA. Scholten's Chemische Fabrieken, Groningen, Netherlands. Manufacturing hexitols by catalytic reduction of carbohydrates. 2,546,103, Mar. 20.

Lolli, John, and G. Papitto, Chicago Heights, Ill. Automatic station selecting and tuning device for radio receivers. 2,545,553, Mar. 20.

Loungren, Harald E., New York, N. Y. Pipe intersection bevel cutting device. 2,545,666, Mar. 20.

Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company Incorporated, New York, N. Y. Electron beam vacuum tube. 2,545,822, Mar. 20.

Lory, Jacques: *See*—
Lévy, Jacques.

Losee, Kathryn A.: *See*—
Lott, William A., Losee, and Adler.

Lott, William A., Maplewood, and K. A. Losee, New Brunswick, N. J., and M. Adler, assignors to E. R. Squibb & Sons, New York, N. Y. Homosulfanilamide salt of aspergillic acid and preparing same. 2,545,962, Mar. 20.

Louden, Harry L., Cleveland, Ohio, assignor to General Electric Company. Article feeding apparatus. 2,545,888, Mar. 20.

Loutz, Albert L., Los Angeles, Calif. Sock drying form. 2,545,479, Mar. 20.

Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Ventilated dynamoelectric machinery. 2,545,855, Mar. 20.

Luke, Marvin B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable resistance pickup element. 2,545,737, Mar. 20.

MacGregor, James, Pittsburgh, Pa. Food warmer. 2,546,104, Mar. 20.

Mack, Charles, Sarina, Ontario, Canada, assignor to Standard Oil Development Company. Producing asphalt compositions. 2,545,963, Mar. 20.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of melamine from lime nitrogen. 2,545,480, Mar. 20.

MacKenzie, Kenneth R., Pacific Palisades, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Frequency modulation system. 2,545,623, Mar. 20.

Mackert, John J., Detroit, Mich. Rotatable perforated top with agitator for powder cans. 2,545,624, Mar. 20.

MacKey, Cecil R., assignor of one-half to N. J. Breakey, Toronto, Ontario, Canada. Paint roller with replaceable cylinder. 2,545,700, Mar. 20.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America. Recovery of oxygenated compounds. 2,545,889, Mar. 20.

Magic Mirror Beauty Salons, Inc., assignee: *See*—
Scott, Arthur D.

Maier, Carl H., Brighton, N. Y. Nestable fuel tank, 2,545,481, Mar. 20.

Mallory, P. R., & Co., Inc., assignee: *See*—
Booe, James M.

Malmberg, Bror V.: *See*—
Guill, Nat A. L., and Malmberg.

Malnati, Cesare, Babylon, N. Y. Apparatus for separating closely adjacent strips of dough. 2,545,667, Mar. 20.

Maloff, Ioury G., Camden, N. J., assignor to Radio Corporation of America. Schmidt television projection system. 2,545,524, Mar. 20.

Maloff, Ioury G., Camden, N. J., assignor to Radio Corporation of America. Housing and mounting for elements of Schmidt television projectors. 2,545,525, Mar. 20.

Manderfeld, Emanuel C., Los Angeles, assignor to Mitchell Camera Corporation, Glendale, Calif. Fire shutter and dowser for motion-picture projectors. 2,545,738, Mar. 20.

Manjoine, Michael J., Pittsburgh, and E. A. Davis, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing machine for determining the mechanical behavior of metals under test. 2,545,482, Mar. 20.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E.

Marbury, Ralph E., Pittsburgh, and J. B. Owens, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series-capacitor protective system. 2,546,008, Mar. 20.

Marconi Sounding Device Company Limited, assignee: *See*—
Gray, Trevor.

Marman Products Company, Inc., assignee: *See*—
Houghton, Howard D., and Woolsey.

Marsden, James, Schenectady, N. Y., assignor to General Electric Company. Preparation of dimethyl silicone gums. 2,546,036, Mar. 20.

Martin, Charles H., Huntington Park, assignor, by mesne assignments, to Towner Manufacturing Co., Santa Ana, Calif. Tractor-drawn scraper. 2,545,739, Mar. 20.

Martin, Claude W., Gold Hill, Oreg. Tire bead and retaining ring tool. 2,545,483, Mar. 20.

Martin, George K. and M. M., assignors of one-fourth to T. A. Buckner, Jr., San Marcos, Tex. Automatic water shutoff device. 2,545,928, Mar. 20.

Martin, Marion E., administratrix: *See*—
Martin, Otis C.

Martin, Mary M.: *See*—
Martin, George K. and M. M.

Martin, Otis C., deceased, Los Angeles, Calif.: M. E. Martin, administratrix of said O. C. Martin, assignor to Harry Nock, Elizabeth, N. J. Fluid control valve. 2,545,526, Mar. 20.

Masek, Walter F., assignor to Multiscope, Inc., Coffeyville, Kans. Escalator. 2,545,740, Mar. 20.

Masek, Walter F., assignor to Multiscope, Inc., Coffeyville, Kans. Escalator hand rail. 2,545,741, Mar. 20.

Mast, Gifford M.: *See*—
Gannett, Wright K., and Mast.

Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Forming an expanded tube and tube sent connection with an intervening metallic bonding stratum of low fusion temperature. 2,545,527, Mar. 20.

Maxwell, John D., Glen Head, assignor to Powers Photo-Engraving Company, Glen Cove, N. Y. Photographic copy board. 2,545,964, Mar. 20.

Mayer, John J., assignor to The Rudd Company, Philadelphia, Pa. Washbasin lock for sleeping car rooms. 2,546,129, Mar. 20.

Mayhew, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing inks. 2,545,823, Mar. 20.

Mayhew, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing inks. 2,546,130, Mar. 20.

McBride, Ralph A.: *See*—
Schmarje, Clarence F., McBride, and Schmarje.

McCamon, Aurel D., assignor to Opal J. McCamon, Lisbon, Ohio. Master switch. 2,545,965, Mar. 20.

McCamon, Opal J., assignee: *See*—
McCamon, Aurel D.

McCarron, James F.: *See*—
McCarron, Michael P. and J. F.

McCarron, Michael P. and J. F., Los Angeles, Calif. Detachable top lift. 2,546,105, Mar. 20.

McCausland, John W., assignor to Universal Products Company, Chicago, Ill. Compensated pipe expansion joint. 2,545,701, Mar. 20.

McCray Refrigerator Company, assignor: *See*—
Burger, Ralph J.

McDaniel, Lloyd E., Rahway, N. J., and A. B. Hodges, Washington, D. C., assignors to Merck & Co., Inc., Rahway, N. J. Production of streptomycin-resistant strains of streptomyces griseus. 2,545,554, Mar. 20.

McDonald, Richard A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Stirrer. 2,545,824, Mar. 20.

McGowan, Michael E., Bloomfield, and P. E. C. Moes, West Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas burner having port-connecting pilot slot. 2,546,009, Mar. 20.

McGraw Electric Company, assignee: *See*—
Amundson, Roald H., and Dreyer.

McGuinness, Joseph J., assignor to J. M. Freiheit Waterbury, Conn. Pry type vacuum cap remover. 2,546,037, Mar. 20.

McIntosh, Frank H., Chevy Chase, Md. Modulator system. 2,545,788, Mar. 20.

McIntyre, Brouwer D., C. J. Smith, and J. Dutton, assignors to Patent Development Company, Monroe, Mich. Shock absorber construction. 2,546,038, Mar. 20.

McKee Door Company, assignee: *See*—
Frentzel, Herman C.

McKinley, John P., Buffalo, N. Y. Incinerator. 2,545,625, Mar. 20.

McKneely, Floyd B., Great Kills, N. Y. Chain washing device. 2,545,890, Mar. 20.

McNamara, William J., and J. H. Kugler, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive sheets and belts. 2,545,484, Mar. 20.

McNicoll, David, Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Tapered roller bearing. 2,545,969, Mar. 20.

McQuitty, Roy M., St. Louis, Mo. Liquid heater and control. 2,545,966, Mar. 20.

McSherry, Edwin B., Leslie, Ark. Tool assembly for placing and holding locking members on valve stems. 2,546,010, Mar. 20.

Meadowcroft, Arthur, assignor to Chicago Rotoprint Company, Chicago, Ill. Blade and jaw construction for cylinder folding mechanisms. 2,546,075, Mar. 20.

Meadows, Robert L., Arlington, Va. Heavy-duty trailer and tractor hitch. 2,545,584, Mar. 20.

Mehr, Fred: *See*—
Mehr, Otto and F.

Mehr, Otto and F., North Bergen, N. J. Convertible furniture. 2,545,891, Mar. 20.

Meilleur, Ina L. and J., Spokane, Wash. Clinker shelf. 2,545,825, Mar. 20.

Meilleur, Joseph: *See*—
Meilleur, Ina L. and J.

Meisenburg, Karl, assignor to Blaw-Knox Company, Pittsburgh, Pa. Seal and water inlet for charging and discharging chutes of truck mixers. 2,545,485, Mar. 20.

Memphis Metal Manufacturing Co., Inc., assignee: *See*—
Small, Chesley T.

Merck & Co., Inc., assignee: *See*—
Dulaney, Eugene L.
McDaniel, Lloyd E., and Hodges.

Meredyk, Adam, assignee: *See*—
Kosik, Martin.

Mergenthaler Linotype Company, assignee: *See*—
Rattray, George.

Merit Engineering, Inc., assignee: *See*—
Stevenson, Robert.

Merriman, Henry H., assignor to Harry D. Boardman, Jackson, Mich. Clamping device. 2,545,668, Mar. 20.

Mersey Paper Company, Limited, assignee: *See*—
Cowie, James C.

Metal Hydrides Incorporated, assignee: *See*—
Lindsley, Thayer, and Alexander.

Meyer, Sven F. E., Stockholm, Sweden. Impulse current relay. 2,545,669, Mar. 20.

Mickalek, Arthur A., Clear Lake, Iowa. Hog watering trough. 2,545,967, Mar. 20.

Midwest Rubber Reclaiming Company, assignee: *See*—
Randall, Robert L.

Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Insertable strainer. 2,545,789, Mar. 20.

Milliken, William L.: *See*—
Grossman, John R., and Milliken.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Christensen, Carlo M.
Chudyk, Alex B.
Squier, Ralph T., and Dewey.
Welch, William E.
Wilson, John M., and Nickells.

Minnesota Mining & Manufacturing Company, assignee: *See*—
McNamara, William J., and Kugler.

Mitchell Camera Corporation, assignee: *See*—
Manderfeld, Emanuel C.

Modine Manufacturing Company, assignee: *See*—
Spieth, Benjamin.

Moes, Paul E. C.: *See*—
McGowan, Michael E., and Moes.

Mogensen, Eugene E., Bayside, N. Y. Portable typewriter carrying case. 2,545,742, Mar. 20.

Moineau, Adele, administratrix: *See*—
Moineau, René J. L.

Moineau, René J. L., deceased, Paris, France; A. Moineau, administratrix, assignor to Robbins & Myers, Inc., Springfield, Ohio. Spiral gear pump and allied device. 2,545,626, Mar. 20.

Moir, James, and W. S. Graff-Baker, Rugby, England, assignors to General Electric Company. Regulating system. 2,546,039, Mar. 20.

Molins Machine Company Limited, assignee: *See*—
Kemp, William J.

Moloney, Raymond T., assignee: *See*—
Caldwell, Albert E.

Monsanto Chemical Company, assignee: *See*—
Norris, Forrest H.

Montague, Hubert H., Traverse City, Mich. Mowing machine handle. 2,545,585, Mar. 20.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich. Hoisting machine. 2,545,892, Mar. 20.

Moore, George W., Long Beach, Calif. Slip actuator for rotary drilling machines. 2,545,627, Mar. 20.

Morey Machinery Co. Inc., assignee: *See*—
Kurzweil, Robert, and Pesqueira.
Pesqueira, Juventino J., and Kurzweil.

Morin, Marion C., Fairfield, Conn. Lady's undergarment. 2,545,743, Mar. 20.

Morral, Facundo R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Carburizing bath. 2,546,131, Mar. 20.

Morris, Alex, assignee: *See*—
Biez, Bram.

Morris Paper Mills, assignee: *See*—
Baumgartner, John R., and Bell.

Morrison, Heber J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase autotransformer. 2,546,011, Mar. 20.

Morrison, Kenneth G., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for regulating high voltage. 2,546,106, Mar. 20.

Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Feeding device for rock drills. 2,546,107, Mar. 20.

Mosesman, Max A.: *See*—
Schiller, James C., Bethea, and Mosesman.

Multiscope, Inc., assignee: *See*—
Masek, Walter F.

Murdock Mfg. & Supply Co., The, assignee: *See*—
Bart, Thomas E.

Murphy, Frank A.: *See*—
Allen, Russell E., and Murphy.

Murray, Arthur J., Minneapolis, Minn. Service unit for hot foods. 2,545,528, Mar. 20.

Murray, Elmer E., Grenloch, N. J. Splash guard for containers. 2,546,040, Mar. 20.

Myers, F. E., & Bro. Co., The, assignee: *See*—
Spreng, Warren M.

N. V. Matepa, Maatschappij tot Exploiteeren van Octrooien en Licenties, assignee: *See*—
Kalis, Kornelis P.

Naamlooze Vennootschap: WA. Scholten's Chemische Fabrieken, assignee: *See*—
Loikema, Jan, van Westen, and Vlugter.

Nashua Gummed and Coated Paper Company, assignee: *See*—
Davis, Austin E., and Perry.

National Research Corporation, assignee: *See*—
Godley, Philip, 2d.

Neese, Alonzo A.: *See*—
Goodwillie, John E., and Neese.

Nell, Edith L., assignor of one-half to J. Nell, Logogotee, Ind. Skein holder. 2,545,744, Mar. 20.

Nell, Johnnie, assignee: *See*—
Nell, Edith L.

Nelson, Evan H.: *See*—
Isaacs, George G., and Nelson.

Newmaker, Fred C., Warren, Pa. Collapsible yarn holder. 2,545,790, Mar. 20.

Newstead, Ralph, New York, N. Y. Collapsible chair having foldable armrests. 2,545,968, Mar. 20.

Newton, Orville L., Harvey, and L. M. Erickson, Chicago, Ill. Brush cleaning apparatus. 2,546,041, Mar. 20.

Newton, Roy W., Collingwood, Victoria, Australia. Watering system for agricultural, horticultural, and such like purposes. 2,545,745, Mar. 20.

Nicholls, James S., Jr.: *See*—
Stanley, Alexander J., and Nicholls.

Nickells, Stanley W.: *See*—
Wilson, John M., and Nickells.

Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electrical ignition device. 2,546,108, Mar. 20.

Noble, Don E., Chicago, Ill. Accordion. 2,546,076, Mar. 20.

Nock, Harry, assignee: *See*—
Martin, Otis C.

Noonan, John J., St. Louis, Mo. Merchandising apparatus. 2,545,670, Mar. 20.

Norris, Edward O., Westport, Conn. Spraying device. 2,545,486, Mar. 20.

Norris, Edward O., Westport, Conn. Spraying device. 2,545,487, Mar. 20.

Norris, Edward O., Westport, Conn. Spraying device. 2,545,488, Mar. 20.

Norris, Edward O., Westport, Conn. Spraying device. 2,545,489, Mar. 20.

Norris, Edward O., Westport, Conn. Spraying device. 2,545,490, Mar. 20.

Norris, Forrest H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing stable polystyrene emulsions. 2,545,702, Mar. 20.

Novak, John M., San Francisco, Calif. Vortex gun. 2,545,893, Mar. 20.

Obecny, John T., Los Angeles, Calif. Selector valve. 2,545,529, Mar. 20.

Oberfell, George G., and G. N. Cade, Bartlesville, Okla., assignors to Phillips Petroleum Company. Process and apparatus for catalytic conversion of hydrocarbons. 2,546,042, Mar. 20.

O'Brien, Patrick J., and R. V. Chettle, Long Beach, Calif., assignors, by mesne assignments, to Borax Consolidated, Limited, London, England. Manufacture of boric acid from sodium borate. 2,545,746, Mar. 20.

O'Connell, James R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Collet. 2,545,628, Mar. 20.

O'Hara, Robert F., and J. H. Welsling, Milwaukee, Wis. Can opener. 2,545,826, Mar. 20.

Ohlheiser, Carlton E., Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Apparatus for precision control of climatic conditions. 2,545,491, Mar. 20.

Orr, Andrew W., Jr.: *See*—
Holley, George M., Jr., and Orr.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Gas turbine temperature control responsive to air and fuel flow, compressor intake and discharge temperature and speed. 2,545,703, Mar. 20.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Temperature controlled fuel pump for gas turbines. 2,545,856, Mar. 20.

Orr Felt and Blanket Company, The, assignee: *See*—
Koester, John P., Purdy, and Berglund.

Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Pump. 2,545,929, Mar. 20.

Osborn Manufacturing Company, The, assignee: *See*—
Elms, Robert W.

Oswald, Albert H. and V. M., Greenwood, Wis. Rotary spreader attachment for grain drills. 2,545,747, Mar. 20.

Oswald, Violet M.: *See*—
Oswald, Albert H. and V. M.

Owen, Haddon S., assignor to Dennison Manufacturing Company, Framingham, Mass. Price ticket. 2,546,012, Mar. 20.

Owens, James B.: *See*—
Marbury, Ralph E., and Owens.

Pacific Mills, assignee: *See*—
Dalton, John N., and Kanpin.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Fluid compressor. 2,545,791, Mar. 20.

Paillard S. A., assignee: *See*—
Gouffon, Jean-Jacques.

Palmer, George H., Fanwood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of oleaginous materials. 2,546,132, Mar. 20.

Papitto, Gene: *See*—
Loill, John, and Papitto.

Parker, Bessie S., Royalston, Mass. Noninterceptive radio communication system. 2,545,894, Mar. 20.

Parkinson, Percy E., Detroit, Mich. Thermostatic valve control for water heaters. 2,545,748, Mar. 20.

Parmenter, Frank D., Toronto, Ontario, Canada. Tie rod for concrete forms. 2,546,043, Mar. 20.

Parmenter, William D., Terrace, British Columbia, Canada. Tractor winch. 2,545,895, Mar. 20.

Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Alkylation of aromatic hydrocarbons. 2,545,671, Mar. 20.

Patchogue-Plymouth Mills Corporation, assignee: *See*—
Foderaro, Frank.

Patent Development Company, assignee: *See*—
McIntyre, Brouwer D., Smith, and Dutton.
Whisler, Ralph H., Jr.

Patton, John W., assignor to The Budd Company, Philadelphia, Pa. Sleeping car. 2,546,133, Mar. 20.

Pearson, Frank E., assignor to Cascade Manufacturing Company, Portland, Oreg. Spray booth. 2,545,672, Mar. 20.

Peck, Clarence E., Wilkinsburg, and J. G. Hoop, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing special heat-treating gaseous atmospheres. 2,546,013, Mar. 20.

Pennsylvania Railroad Company, The, assignee: *See*—
Loewy, Raymond G. F.

Perillo, Florindo J., Tucson, Ariz. Pocket adding device. 2,545,555, Mar. 20.

Perkins, Albert G. and W. E., Grand Island, N. Y. Control device for milking machines. 2,545,857, Mar. 20.

Perkins, Warren E.: *See*—
Perkins, Albert G. and W. E.

Perrault Bros., assignee: *See*—
Perrault, Lewis.

Perrault, Lewis, assignor to Perrault Bros., Tulsa, Okla. Pipe coating shoe. 2,545,792, Mar. 20.

Perry, Lloyd M.: *See*—
Davis, Austin E., and Perry.

Pesqueira, Juventino J.: *See*—
Kurzweil, Robert, and Pesqueira.

Pesqueira, Juventino J., and R. Kurzweil, assignors to Morey Machinery Co., Inc., New York, N. Y. Headstock and spindle. 2,545,858, Mar. 20.

Peter, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mechanically operated switch. 2,546,077, Mar. 20.

Peterson, John B., deceased, Bethesda, Md.; R. L. Peterson, administratrix. Diaphragm seal. 2,545,530, Mar. 20.

Peterson, Ruth L., administratrix: *See*—
Peterson, John B.

Philco Corporation, assignee: *See*—
Zepp, Louis H., and Hayward.

Phillips Petroleum Company, assignee: *See*—
Cade, George N.
Hanson, George H.
Oberfell, George G., and Cade.
Rogers, Charles L.

Pickering Associates, Inc., assignee: *See*—
Pickering, Norman C.

Pickering, Norman C., Rockville Centre, assignor to Pickering Associates, Inc., Oceanside, N. Y. Magnetic sound reproducer having two styli. 2,545,859, Mar. 20.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp, light diffusing coating therefor and manufacture. 2,545,896, Mar. 20.

Plax Corporation, assignee: *See*—
Bailey, James.

Plummer, Robert R.: *See*—
Briscoe, William F. R., and Plummer.

Pollak, Manfred J., Chicago, Ill. Toy jet vehicle. 2,545,586, Mar. 20.

Pompa, Joseph P., Glendale, Ariz. Tortilla fryer for tostadas. 2,545,897, Mar. 20.

Pont, Henri M., The Hague, Netherlands. Roof of large span. 2,545,556, Mar. 20.

Porter-Cable Machine Company, assignee: *See*—
Crosby, Stephen A., and Zasadny.

Porter, Herbert C.: *See*—
Sullivan, Raymond H., Hardy, and Porter.

Posey, Calvin L., Memphis, Tenn. Scraping machine. 2,545,827, Mar. 20.

Posey, John W., and G. L. Weimer, assignors to Durakool, Inc., Elkhart, Ind. Fused electrode assembly. 2,545,629, Mar. 20.

Powers Photo Engraving Company, assignee: *See*—
Maxwell, John D.

Pozarik, Alfred, assignor of forty-five per cent to Riverdale Technical Corporation, New York, forty-five per cent to A. Pozarik, Hollis, and ten per cent to A. Saccard, New York, N. Y. Ophthalmic attachment. 2,545,673, Mar. 20.

Proctor Electric Company, assignee: *See*—
Hild, Henry F.

Prouty, Robert E., assignor to Essex Wire Corporation, Logansport, Ind. Electromagnetic relay. 2,545,587, Mar. 20.

Puchalsky, Alex, Chicago, Ill. Seat cover. 2,546,109, Mar. 20.

Puchlowski, Konstanty P., Buffalo, and J. G. Haneiko, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic system for energizing direct-current motors from an alternating-current source. 2,546,014, Mar. 20.

Pulse, Lysle J., Helena, Mont. Dispensing machine. 2,545,588, Mar. 20.

Purdy, Robert J.: *See*—
Koester, John P., Purdy, and Berglund.

Pusch, Walter H., Fort Worth, Tex. Refrigerator cabinet structure. 2,545,749, Mar. 20.

Puterbaugh, Harvey, Kokomo, Ind. Automatic caliper. 2,546,110, Mar. 20.

Radio Corporation of America, assignee: *See*—
Kell, Ray D.
Maloff, Joury G.
Schroeder, Alfred C.
Weimer, Paul K.

Raffel, Bernard D., assignor to Wingfoot Corporation, Akron, Ohio. Fabricating metal laminates. 2,545,704, Mar. 20.

Ralph, Harold J., San Francisco, Calif. Diaper garment for infants. 2,545,674, Mar. 20.

Rand, Sidney S., New York, N. Y. Pillowcase. 2,545,970, Mar. 20.

Randall Company, The, assignee: *See*—
Weaver, Maxwell C., and Leonard.

Randall, David I.: *See*—
Smith, Carl M., and Randall.

Randall, Robert L., St. Louis, Mo., assignor, by mesne assignments, to Midwest Rubber Reclaiming Company, East St. Louis, Ill. Reclaiming scrap of synthetic and natural rubbers. 2,545,828, Mar. 20.

Randolph, Robert E., Highland, Calif. Tappet valve silencer. 2,545,750, Mar. 20.

Ransom, Harland R., Detroit, Mich. Inclined reciprocating vegetable cutter. 2,545,557, Mar. 20.

Ratigan, J. P., Inc., assignee: *See*—
Ratigan, James P.

Ratigan, James P., assignor to J. P. Ratigan, Inc., Los Angeles, Calif. Jaw face for pipe tongs. 2,545,630, Mar. 20.

Rattray, George, Mineola, N. Y., assignor to Mergenthaler Linotype Company. Panoramic sight. 2,546,111, Mar. 20.

Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S.

Recordigraph Corporation, assignee: *See*—
Hart, Frederick H. M.

Reding, Marcel: *See*—
Bossard, Werner, and Reding.

Red Jacket Manufacturing Co., assignee: *See*—
Bovee, John L., Jr., and Deters.

Reid, John D., and G. C. Daul, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Fabrics of a long chain amino-ethoxy cellulose and making the same. 2,545,492, Mar. 20.

Reid, Orland B., Kenilworth, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hat sweat sewing attachment. 2,546,135, Mar. 20.

Renfrew, Edgar E.: *See*—
Buc, Saul R., and Renfrew.

Ribley, Frank C., North Troy, N. Y. Combination screen and slatted blind for windows. 2,545,631, Mar. 20.

Ricardo & Co. Engineers (1927) Limited, assignee: *See*—
Ricardo, Harry R.

Ricardo, Harry R., assignor to Ricardo & Co. Engineers (1927) Limited, London, England. Internal-combustion engine operating on the four-stroke cycle with compression ignition. 2,545,793, Mar. 20.

Richardson, James C., Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,545,930, Mar. 20.

Richardson, Thomas H.: *See*—
Wilkinson, Edwin R., and Richardson.

Richter, Edward, Freeport, Ill. Hydraulic leveling apparatus for motor vehicles. 2,545,493, Mar. 20.

Richter, Edward, Freeport, Ill. Hydraulic leveling apparatus for motor vehicles. 2,545,494, Mar. 20.

Riesner, Milton, Pelham, N. Y. Expansion joint for a base flashing. 2,545,705, Mar. 20.

Rinehart, Ernestine, New York, N. Y. Necktie. 2,545,971, Mar. 20.

Ristau, Alfred G.: *See*—
Ristau, Arnold E. and A. G.

Ristau, Arnold E. and A. G., assignors to Ristaucrat, Inc., Kaukauna, Wis. Automatic record changing phonograph. 2,546,136, Mar. 20.

Ristaucrat, Inc., assignee: *See*—
Ristau, Arnold E. and A. G.

Riverdale Technical Corporation, assignee: *See*—
Pozarik, Alfred.

Robbins & Myers, Inc., assignee: *See*—
Byram, Frederick C.
Molneau, René J. L.

Roberts, Clarence F., and E. Buckly, Chicago, Ill., said Buckly assignor of one-sixth to said Roberts. Culinary implement. 2,545,794, Mar. 20.

Robertson, Harry C., New York, N. Y. Incandescent lamp socket and switch. 2,545,860, Mar. 20.

Rogallo, Francis M.: *See*—
Rogallo, Gertrude S. and F. M.

Rogallo, Gertrude S. and F. M., Hampton, Va. Flexible kite. 2,546,078, Mar. 20.

Rogers, Charles L., Phillips, Tex., assignor to Phillips Petroleum Company. Catalyst chamber construction. 2,546,044, Mar. 20.

Ronda Button Company, assignee: *See*—
Schmarje, Clarence F., McBride, and Schmarje.

Roofing Machinery Mfg. Company, assignee: *See*—
Hart, Wallace L.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Power transmission device. 2,545,795, Mar. 20.

Rosenberg, Norman P., Girard, Ohio. Ornamental ship model display. 2,545,706, Mar. 20.

Rosetto, Carmen: *See*—
Vanadia, Frank, and Rosetto.

Rotary Hoes Limited, assignee: *See*—
Howard, Arthur C.

Roth, Herman P., Inglewood, assignor to The Garrett Corporation, Los Angeles, Calif. Oxygen demand pressure breathing regulator. 2,545,707, Mar. 20.

Ruch, Raymond D., Burbank, Calif. Device for dispensing material from collapsible paste tubes. 2,545,751, Mar. 20.

Russell, Robert D., and W. L. Ihly, St. Petersburg, Fla. Ice making machine. 2,545,558, Mar. 20.

Rust, William M., Cortland, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Output coupling circuit for balanced high-frequency generators. 2,546,015, Mar. 20.

S & C Electric Company, assignee: *See*—
Lindell, Sigurd I.

Saccard, Alexandre, assignee: *See*—
Pozarik, Alfred.

St. Germain, Arthur V., Camarillo, Calif. Collapsible back for vehicle seats. 2,545,679, Mar. 20.

Sallou, Jean, Paris, assignor to Societe Anonyme des Etablissements Neu, Lille, France. Device utilizing the thermal-pump principle for the production of heat and cold. 2,545,861, Mar. 20.

Samsing, Rolf A., Dorchester, Mass. Collapsible carton. 2,545,589, Mar. 20.

Samsky, Abraham, Detroit, Mich. Stock cutting dowel forming tool. 2,545,931, Mar. 20.

Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Valve actuating mechanism. 2,545,632, Mar. 20.

Sandin, Jerome, Forest Hills, and T. Lindstrom, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,546,016, Mar. 20.

Sands, Charles, Kenyon, Minn. Grease gun filler with spring biased expansible follower. 2,545,531, Mar. 20.

Sargisson, Robert L.: *See*—
Henrikson, Oscar W., and Sargisson.

Scharkopf, Frederick J., Valley Stream, N. Y. Coaster toy. 2,545,972, Mar. 20.

Schelwer, Albert T., Erie, Pa. Quick-release coupling for high-pressure fluid lines. 2,545,796, Mar. 20.

Scheldorf, Owen H., North East, Pa., assignor to General Electric Company. Compressor assembly. 2,546,045, Mar. 20.

Schiller, James C., S. R. Bethea, and M. A. Mosesman, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hydrogenation of carbon monoxide. 2,546,017, Mar. 20.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of lithium borohydride. 2,545,633, Mar. 20.

Schlumberger Well Surveying Corporation, assignee: *See*—
Test, Meyer J., and Krasnow.

Schmarje, Clarence F., R. A. McBride, and C. H. Schmarje, assignors to Ronda Button Company, Muscatine, Iowa. Button blank cutting machine. 2,545,708, Mar. 20.

Schmarje, Claus H.: *See*—
Schmarje, Clarence F., McBride and Schmarje.

Schmidt, David, Lakewood, assignor to The Dobeckmun Company, Cleveland, Ohio. Method and apparatus for making lined containers. 2,546,137, Mar. 20.

Schmidt, John F., Jr.: *See*—
Benton, Alfred C., and Schmidt.

Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Heterocyclic benzanthrone compounds. 2,546,138, Mar. 20.

Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Vat dye and intermediate. 2,546,139, Mar. 20.

Schmitt, Vernon F., San Diego, Calif. Gutter terminal. 2,545,898, Mar. 20.

Schneider, Paul L.: *See*—
Critchfield, Robert M., and Schneider.

Schoenberg, Benjamin, Corona, N. Y. Supporting member for pull chain switches. 2,545,973, Mar. 20.

Scholes, Richard T., Hinsdale, Ill. Anticreeping device for railway rails. 2,546,046, Mar. 20.

Schrimpe, Conrad F., Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Acetone resin modified phenol resins. 2,545,559, Mar. 20.

Schroeder, Alfred C., Festerville, Pa., assignor to Radio Corporation of America. Color television tube. 2,545,974, Mar. 20.

Schultz, Warner W.: *See*—
Lichtenstein, Roland M., Schultz and Goodale.

Scott, Arthur D., Pacific Palisades, assignor to Magic Mirror Beauty Salons, Inc., Los Angeles, Calif. Fashion previewing projection apparatus. 2,545,675, Mar. 20.

Scott, George, Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Die set for punch presses. 2,545,560, Mar. 20.

Scott, Howard, R. H. Gordon, and F. C. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing mechanical elements. 2,545,862, Mar. 20.

Scott, Thomas P.: *See*—
Frese, Carl W., and Scott.

Secrest, Paul A.: *See*—
Secrest, Stephen L. and P. A.

Secrest, Stephen L. and P. A., Lorain, Ohio. Fishing lure. 2,545,797, Mar. 20.

Seidl, Helene C.: *See*—
Bodin, Grace A., and Seidl.

Sell, Richard G., and R. H. Cubitt, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating current rectifier. 2,545,863, Mar. 20.

Seng Company, The, assignee: *See*—
Fox, Martin.

Service Diamond Tool Company, assignee: *See*—
Small, Louis.

Settergren, Anders G. B.: *See*—
Settergren, O. G. A. and A. G. B.

Settergren, Otto G. A. and A. G. B. Sennan, Sweden. Rotary soil working element. 2,545,590, Mar. 20.

Seviola, Albert F., Minneapolis, Minn. Folding ice fishing rod. 2,546,079, Mar. 20.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Testing subterranean formations. 2,545,975, Mar. 20.

Sforzini, Robert A., Toledo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Annular combustion chamber air flow arrangement about the fuel nozzle end. 2,545,495, Mar. 20.

Shaw, Charles B., assignor to Standard Car Truck Company, Chicago, Ill. Railway car truck. 2,545,591, Mar. 20.

Shell Development Company, assignee: *See*—
Dannenberg, Hans, and Adelson.
Smith, Curtis W.
Smith, Curtis W., and Ballard.
Wagers, John K., and Shokal.

Sherbloom, Thomas F., Hollywood, Calif. Making ice mold figures. 2,545,592, Mar. 20.

Shokal, Edward C.: *See*—
Wagers, John K., and Shokal.

Short, Frank, Canton Center, Conn. Rocket projectile. 2,545,496, Mar. 20.

Simms, Charles H.: *See*—
Breadner, Robert L., and Simms.

Singer Manufacturing Company, The, assignee: *See*—
Reid, Orland B.

Singleton, William W., assignor to Bendix Aviation Corporation, Detroit, Mich. Rivet. 2,545,752, Mar. 20.

Sjostrom, Robert L., Andover, Mass. Sheet folding machine. 2,545,798, Mar. 20.

Skilsaw, Inc., assignee: *See*—
Forss, Frithiof P.

Slowak, Hermann, Montevideo, Uruguay. Reed for circular looms. 2,545,593, Mar. 20.

Small, Chesley T., assignor to Memphis Metal Manufacturing Co., Inc., Memphis, Tenn. Machine for flaring or bending or spinning the edges of openings in sheets of stiff material. 2,545,976, Mar. 20.

Small, Louis, Detroit, assignor to Service Diamond Tool Company, Ferndale, Mich. Diamond impregnated dressing tool. 2,545,676, Mar. 20.

Smith, Carl H., Jr.: *See*—
Hoeppner, Conrad H., and Smith.

Smith, Carl M., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Halomethyl derivatives of dyes of the thioindigo series and obtaining them. 2,545,497, Mar. 20.

Smith, Charles J.: *See*—
McIntyre, Brouwer D., Smith and Dutton.

Smith, Clifford: *See*—
Cunningham, Burris B., Smith, and Dixon.

Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of 1,5-pentanediols. 2,546,019, Mar. 20.

Smith, Curtis W., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Production of glutaraldehyde and C-substituted glutaraldehyde from dihydro pyrans. 2,546,018, Mar. 20.

Smith, Harvey R., Ann Arbor, Mich. Path indicator device for golf practice machines. 2,545,634, Mar. 20.

Smith, Winthrope C., Elizabeth, N. J., assignor to Standard Oil Development Company. Flame resistant rubber compositions containing a chlorinated wax and a metal carbonate. 2,545,977, Mar. 20.

Smitley, Marion L., Detroit, Mich., assignor to G. M. and E. Holley. Combination governor and ignition system for internal-combustion engines. 2,545,709, Mar. 20.

Snoren, John T., St. Paul, Minn. Steam distributing system for locomotives. 2,546,112, Mar. 20.

Snow, Robert R., St. Catharines, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Apparatus for producing sand cores and the like. 2,545,799, Mar. 20.

Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Package. 2,545,710, Mar. 20.

Sobá, Jose G., Ciudad Trujillo, Dominican Republic. Multiple X-ray picture seriating device. 2,545,899, Mar. 20.

Societe Anonyme des Etablissements Neu, assignee: *See*—
Sallou, Jean.

Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Lambert, Roger E.

Societe des Usines Chimiques Rhone Poulenc, assignee: *See*—
Charpentier, Paul.

Societe Le Teleampliphone, assignee: *See*—
Jeanlin, Pierre.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Kerr, Robert B.
Loper, George B.
Squires, Rodney M.

Somers, Richard M.: *See*—
Dann, Charles W., and Somers.

Sondern, Clarence W., Mendham, and P. J. Breivogel, Glen Ridge, assignors to White Laboratories, Incorporated, Newark, N. J. 2-[N-(b-dimethylaminomethyl)-N-(4-methoxybenzyl)-amino]-thiazole and making same. 2,545,498, Mar. 20.

Sonneman, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,546,021, Mar. 20.

Southern States Equipment Corporation, assignee: *See*—
Caldwell, John R.

Spalding, A. G., & Bros. Inc., assignee: *See*—
Tynan, James N., and Geerlings.

Spang, Clarence E., Butler, Pa. Arm scoop. 2,546,113, Mar. 20.

Sparks, William J., Westfield, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Multiolefin monoolefin resin and making the same. 2,546,020, Mar. 20.

Specialties Development Corporation, assignee: *See*—
Frese, Carl W., and Scott.

Speicher, Frank S., assignor to M. E. Cunningham Company, Pittsburgh, Pa. Die retaining means. 2,545,711, Mar. 20.

Sperry, Elmer H., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Microcrystalline wax as an antifoam agent in soluble oil-water emulsion. 2,545,677, Mar. 20.

Spier, Hans G., Hamilton, Ohio. Two-cycle engine having coaxial compressor and power pistons. 2,545,499, Mar. 20.

Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Heating element for convection heaters. 2,545,561, Mar. 20.

Spreng, Warren M., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Duster. 2,545,829, Mar. 20.

Spriggs, Floyd R., Beaver Dam, Ky. Hoisting drum safety control. 2,545,594, Mar. 20.

Squibb, E. R., & Sons, assignee: *See*—
Lott, William A., Losee, and Adler.
Stavely, Homer E.

Squier, Ralph T., and L. E. Dewey, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Magnetic compass. 2,545,830, Mar. 20.

Squires, Rodney M., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for collecting soil gas samples. 2,545,900, Mar. 20.

Stahl, Leroy R., Duluth, Minn. Accordion with auxiliary keyboard. 2,546,022, Mar. 20.

Stamm, John J., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive control system. 2,546,023, Mar. 20.

Standard Car Truck Company, assignee: *See*—
Shaw, Charles B.

Standard Oil Development Company, assignee: *See*—
Cooper, Lyle M.
Gessler, Albert M.
Hockberger, William G.
Lieber, Eugene.
Mack, Charles.
Schiller, James C., Bethea, and Moseman.
Sewell, Benjamin W.
Smith, Winthrope C.
Sparks, William J., and Garber.
Wilkinson, Edwin R., and Richardson.

Stanley, Alexander J., North Brunswick Township, Middlesex County, and J. S. Nicholls, Jr., Kingston, N. J., assignors to Industrial Tape Corporation. Dispenser. 2,545,500, Mar. 20.

Stauffer, Charles C., Durham, N. C. Pry type cap remover. 2,545,678, Mar. 20.

Stavely, Homer E., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. $\Delta^{9,11}$-11-keto-steroids, and producing them. 2,545,978, Mar. 20.

Steibel, James P., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis. Rotary floor polishing machine having horizontally positioned motor. 2,545,635, Mar. 20.

Stein, Leo, Chicago, Ill. Luggage frames locked by slidable handle. 2,545,501, Mar. 20.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,545,532, Mar. 20.

Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Unloading valve. 2,545,712, Mar. 20.

Stewart, Elmer A., Los Angeles, Calif. Safety razor with concave upper cap face. 2,545,533, Mar. 20.

Stewart-Warner Corporation, assignee: *See*—
Heymann, Seymour E.
Wedeberg, Reuben.

Stocking, Fred A., Jr., Portland, Oreg. Greenhouse construction. 2,545,713, Mar. 20.

Storer, Richard M., Denver, Colo. Fastening device. 2,545,714, Mar. 20.

Studders, Robert J., Schenectady, N. Y., assignor to General Electric Company. Sintered anisotropic Alnico magnet. 2,546,047, Mar. 20.

Stumbock, Max J., South Orange, and R. Bayes, Basking Ridge, assignors to Baker & Company, Inc., Newark, N. J. Spark plug electrode. 2,545,438, Mar. 20.

Stuteville, John W., assignee: *See*—
Brothers, William B.

Sugar, Harry R., Akron, Ohio. Storm window. 2,545,901, Mar. 20.

Sugar, Harry R., Akron, Ohio. Metal storm window. 2,545,902, Mar. 20.

Sullivan, Raymond H., V. H. Hardy, and H. C. Porter, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric motor. 2,545,715, Mar. 20.

Sun Oil Company, assignee: *See*—
Cummings, Leland W. T.
Davis, Evan E.
Hetzel, Stanford J.
Sperry, Elmer H.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Printing and punching means for accounting machines. 2,545,636, Mar. 20.

Swendsen, David L., Sundsvall, Sweden. Boiler. 2,545,903, Mar. 20.

Sylvania Electric Products Inc., assignee: *See*—
Hagelston, Paul J., and Ives.
Haven, Roger W.

Taylor, Donald R., Tulios, La. Sheet metal forming mechanism. 2,545,904, Mar. 20.

Taylor-Phillips, Inc., assignee: *See*—
Barnes, John V.

Teal, Harry H.: *See*—
Kelly, John H., and Teal.

Test, Meyer J., Kansas City, Mo., and S. Krasnow, Fairfax, Va., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Geiger-Müller tube mounting. 2,546,048, Mar. 20.

Thiel, Felix A., Jr., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shaft coupling. 2,545,562, Mar. 20.

Thomas, Alexander, Manchester, England, assignor to Hyde Manufacturing Company, Southbridge, Mass. Paster for wallpaper machines. 2,545,905, Mar. 20.

Thomas, Ralph C., Alexandria, Ind. Motor. 2,545,753, Mar. 20.

Thompson, Frederick C., Danbury, England. Delayed pulse radar navigation apparatus. 2,545,754, Mar. 20.

Thompson Products, Inc., assignee: *See*—
Lansing, Paul J.

Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Sulfonamide resins. 2,545,716, Mar. 20.

Thompson, William G., Clinton, Mass., and R. B. Hopgood, Cheshire, assignors to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container or the like. 2,545,864, Mar. 20.

Thyen, Herbert E., assignor to Jasper Wood Crafters, Inc., Jasper, Ind. Barrelhead construction. 2,545,831, Mar. 20.

Tibbitts, George M., Santa Ana, Calif. Garment hanger. 2,545,637, Mar. 20.

Tiddy, William, Manhasset, N. Y., and F. D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Two-stage conversion of iron oxide into iron. 2,545,932, Mar. 20.

Tiddy, William, Manhasset, N. Y., and F. D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Conversion of iron oxide into iron with coke-oven gas. 2,545,933, Mar. 20.

Timken Roller Bearing Company, The, assignee: *See*—
McNicoll, David.

Toledo Scale Company, assignee: *See*—
Weckerly, Mark A.

Towner Manufacturing Co., assignee: *See*—
Martin, Charles H.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Tregear, Tamino W., Seattle, Wash. Fulcrum type closure remover. 2,545,979, Mar. 20.

Triplett & Barton Inc., assignee: *See*—
Triplett, Tom A., and Greene.

Triplett, Tom A., Burbank, and C. K. Greene, North Hollywood, assignors to Triplett & Barton Inc., Burbank, Calif. Pneumatic die stamping machine. 2,546,114, Mar. 20.

Troester, Arnold C., Midvale, Utah. Steering propeller and rudder mount for boats. 2,545,502, Mar. 20.

Trombley, William E., Cleveland, Ohio. Tent construction. 2,545,535, Mar. 20.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding machine. 2,545,534, Mar. 20.

Tucker, William, Newark, N. J., assignor to the United States of America as represented by the Secretary of War. Radio object detection alarm. 2,545,503, Mar. 20.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Balanced weft tension for loom shuttles. 2,545,934, Mar. 20.

Tynan, James N., Chicopee, Mass., and G. K. Geerlings, New Canaan, Conn., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Racket. 2,546,140, Mar. 20.

Ulmer, William W., Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Manufacturing incandescent mantles. 2,546,115, Mar. 20.

Underwood Corporation, assignee: *See*—
Sundstrand, Oscar J.

Union Carbide and Carbon Corporation, assignee: *See*—
Schriuipe, Conrad F.

Union Oil Company of California, assignee: *See*—
Imhoff, Donald H.

Union Switch and Signal Company, The, assignee: *See*—
Carlson, Theodore L.
Sell, Richard G., and Cubitt.

United Elevator Service, Inc., assignee: *See*—
Di Giovanni, Joseph.

United Shoe Machinery Corporation, assignee: *See*—
Gates, William O.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Alvarez, Luis W.
Cunningham, Burris B., Smith, and Dixon.
Fried, Sherman.
Fried, Sherman, and Davidson.
Johnstone, Charles W.
MacKenzie, Kenneth R.
Morrison, Kenneth G.
Schlesinger, Hermann I., and Brown.

U. S. Electrical Motors, Inc., assignee: *See*—
Luenberger, Frederick O.

United States Rubber Company, assignee: *See*—
Ashford, Walter R., and Beattie.
Barton, Bernard C.
Briscoe, William F. R., and Plummer.

Universal Oil Products Company, assignee: *See*—
Bergman, Donald J.
Bloch, Herman S.
Collins, Robert B.
Gerhold, Clarence G.
McCausland, John W.
Thompson, Ralph B.

University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E.

University of Illinois, The Board of Trustees of the, assignee: *See*—
Kerst, Donald W.

Valley Mould and Iron Corporation, assignee: *See*—
Kauffman, Edmund J., Sr.

Vanadia, Frank, and C. Rosetto, New York, N. Y. Edge stitching presser foot for sewing machines. 2,545,980, Mar. 20.

Van Westen, Hendrick A.: *See*—
Lolkema, Jan. van Westen, and Vlugter.

Viken, John M., Devils Lake, N. Dak. Folding goose and duck decoy. 2,545,800, Mar. 20.

Viles, Ralph K.: *See*—
Buckingham, Buhel B., and Viles.

Villafañe, Pablo A., Maracaibo, Venezuela. Completion shoe. 2,545,504, Mar. 20.

Visos, Charles D.: *See*—
Huck, Alfred J., and Visos.

Vlugter, Johannes C.: *See*—
Lolkema, Jan. van Westen, and Vlugter.

Voigt, Paul A., Bellerose, assignor to Johns-Manville Corporation, New York, N. Y. Growing bench. 2,545,717, Mar. 20.

Von Heidenstam, Erik J.: *See*—
Böcher, Herman F. V., and von Heidenstam.

Von Holtz, Charles T., assignor to Harvey Hubbell, Inc., Bridgeport, Conn. Electrical receptacle with safety closure. 2,545,536, Mar. 20.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. 2,546,080, Mar. 20.

Wagers, John K., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Manufacturing laminated articles. 2,545,832, Mar. 20.

Wagg, Harley A., assignee: *See*—
Jamison, George C., and Wagg.

Wall, Marvin L., Morristown, Tenn. Tag. 2,545,505, Mar. 20.

Wallace, Daisy T., administratrix: *See*—
Wallace, Edward E.

Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix. Shock absorber. 2,545,833, Mar. 20.

Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Electrosurgical instrument. 2,545,865, Mar. 20.

Walsh, Raymond A., Davenport, Iowa. Pump. 2,545,506, Mar. 20.

War, United States of America as represented by the Secretary of, assignee: *See*—
Fletcher, Maurice J.
Tucker, William.

Ward, Harold, Westhoughton, England, assignor, by mesne assignments, to Calmic Inc., New York, N. Y. Apparatus for deodorizing the atmosphere. 2,545,755, Mar. 20.

Warner, Louis A., Chicago, Ill. Navigational instrument. 2,545,935, Mar. 20.

Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Reinforced plastic sheet. 2,545,981, Mar. 20.

Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing unit having enclosed angled metal slats. 2,545,906, Mar. 20.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit with light modifying screen. 2,545,907, Mar. 20.
Watlow Electric Manufacturing Company, assignee: *See*—
Desloge, George B.
Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Railway sleeping car room arrangement. 2,546,134, Mar. 20.
Weaver, Maxwell C., Cincinnati, Ohio, and F. D. Leonard, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio. Wind stop or sealing strip. 2,546,049, Mar. 20.
Weaver, Maxwell C., Cincinnati, Ohio, and F. D. Leonard, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio. Upholstery retainer strip. 2,546,050, Mar. 20.
Weber, William F., assignor to Armour and Company, Chicago, Ill. Machine for skinning meat. 2,545,718, Mar. 20.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Flexure plate scale. 2,545,908, Mar. 20.
Wedeberg, Reuben, Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Tuning mechanism. 2,545,719, Mar. 20.
Weimer, Glen L.: *See*—
Posey, John W., and Weimer.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Television pickup tube. 2,545,982, Mar. 20.
Weisling, John H.: *See*—
O'Hara, Robert F., and Weisling.
Welch, William E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Airflow control apparatus. 2,545,563, Mar. 20.
West, Harold W. and L. R., South Gate, Calif. Shape cutting machine. 2,546,116, Mar. 20.
West, Lloyd R.: *See*—
West, Harold W. and L. R.
Westbrook, James V., Los Angeles, Calif. Valve. 2,545,834, Mar. 20.
Western Electric Company, Incorporated, assignee: *See*—
Blair, Harold F.
Guill, Nat A. L., and Malmberg.
Koch, Herbert W.
Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
Campbell, James A.
Hewitt, Ellis E.
Stevens, Roy R.
Westinghouse Electric Corporation, assignee: *See*—
Allen, Harold P.
Armstrong, George C.
Baker, Robert M.
Basnett, Robert T.
Blackburn, John L.
Burgwin, Stephen L.
Dyer, Tom L., Jr.
Gabler, Raymond T., and Altar.
Goldsborough, Shirley L.
Graybill, Howard W.
Hagopian, Richard H.
Hartwig, Edward C.
Immel, Ralph B.
Jelinek, Ulrich.
Kimball, Albert W., and Fisher.
Kinn, Theodore P.
Leonard, Merrill G., and Hager.
Lingal, Harry J., and Cumming.
Manjoine, Michael J., and Davis.
Marbury, Ralph E., and Owens.
McGowan, Michael E., and Moes.
Morrison, Heber J.
Peck, Clarence E., and Hoop.
Puchlowski, Konstanty P., and Hanetko.
Rust, William M.
Sandin, Jerome, and Lindstrom.
Scott, Howard, Gordon, and Hull.
Sforzini, Robert A.
Sonnemann, William K.
Stamm, John J.
Wrathall, John R.
Weston Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.
Wheatley, Samuel, Kansas City, Mo. Portable paint mask. 2,545,638, Mar. 20.
Whelan, Lydia, Jersey City, N. J. Head covering. 2,546,117, Mar. 20.
Whisler, Ralph H., Jr., assignor to Patent Development Company, Monroe, Mich. Shock absorber. 2,546,051, Mar. 20.
White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W., and Breivogel.
Whitzel, Raymond T. and W. E. King, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Boron-containing aluminum wire and its production. 2,545,866, Mar. 20.
Wigeland, Amund Ragnvald: *See*—
Dokken, Jörgen N., Wigeland, and Andersen.
Wildermann, Otto: *See*—
Ensign, William B., and Wildermann.
Wilkins, Wendell, Ponca City, Okla. Collapsible dispensing spout. 2,546,052, Mar. 20.
Wilkinson, Edwin R., and T. H. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company. Fire foam applicator. 2,545,983, Mar. 20.
Williams, John E., Atlantic City, N. J. Double-bridge push-pull differential amplifier. 2,545,507, Mar. 20.
Williams, Keith, Buffalo, N. Y. Hand brake holding and releasing mechanism. 2,546,081, Mar. 20.
Willys-Overland Motors, Inc., assignee: *See*—
Roos, Delmar G.
Wilson, John M., Minneapolis, and S. W. Nickells, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Relay. 2,545,833, Mar. 20.
Wingfoot Corporation, assignee: *See*—
Cook, Albert W.
Emberson, Keith L.
Gleim, Clyde E.
Raffel, Bernard D.
Snyder, James E.
Witt, Stanley: *See*—
Wolff, Samuel S., and Witt.
Wolf, Charles: *See*—
Du Batto, Nicholas J., and Wolf.
Wolff, Samuel S., Clayton, and S. Witt, St. Louis, Mo., assignors to Century Electric Company. Reversing control for dynamoelectric machines. 2,545,639, Mar. 20.
Woolsey, Theodore A.: *See*—
Houghton, Howard D., and Woolsey.
Wrathall, John R., East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for cutting apparatus. 2,546,024, Mar. 20.
Wrazen, Joseph J., assignor of one-half to P. Wrazen, East Paterson, N. J. Ornamental rotatable bird, including rotatable wings. 2,545,801, Mar. 20.
Wrazen, Peter, assignee: *See*—
Wrazen, Joseph J.
Wright, Adele O., Pomona, Calif. Hand restrainer. 2,546,118, Mar. 20.
Wyatt, De Witt H., Columbus, Ohio. Solid-fuel-burning space heater with magazine automatic dampers and hot-air jacket. 2,545,680, Mar. 20.
Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for applying emission material to cathodes. 2,545,909, Mar. 20.
Zanardo, Peter J., Chicago, Ill. Cigarette dispenser and lighter. 2,545,936, Mar. 20.
Zasadny, Peter: *See*—
Crosby, Stephen A., and Zasadny.
Zenith Radio Corporation, assignee: *See*—
Ellett, Alexander, and Hubbard.
Zepp, Louis H., and J. W. Hayward, assignors to Philco Corporation, Philadelphia, Pa. Tuning apparatus. 2,545,681, Mar. 20.
Zimmer, John S., Scotia, N. Y., assignor to General Electric Company. Electromagnet control device. 2,546,053, Mar. 20

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antenna, High-frequency. M. D. Ercolino. Re. 23,346 Mar. 20.

Making phenol-aldehyde reaction products and the product thereof. D. V. Redfern. Re. 23,347, Mar. 20.

LIST OF PLANT INVENTIONS

Berry plant. H. C. Swim. 1,008, Mar. 20.

Rose plant. P. J. Howard. 1,009, Mar. 20.

LIST OF DESIGN INVENTIONS

Accordion, Chromatic. F. H. Magnus. 162,554, Mar. 20.
Airplane. V. J. Burnelli. 162,517, Mar. 20.
Antenna, Television. M. D. Ercolino. 162,526–8, Mar. 20.
Base for table top oven, Electric. D. L. Painter. 162,573 Mar. 20.
Base, Lamp. L. Secrist. 162,586, Mar. 20.
Blouse. J. Orloff. 162,562–72, Mar. 20.
Book, Photograph record. A. G. De Vry. 162,525, Mar. 20.
Button or similar article, Lapel. G. A. Bronson. 162,514, Mar. 20.
Cabinet or the like, Display. S. and A. E. Bauer. 162,511. Mar. 20.
Cabinet, Wardrobe. D. Tames. 162,594, Mar. 20.
Can. P. Meshberg. 162,559, Mar. 20.
Can carrying device. K. W. Burge. 162,515, Mar. 20.
Cane and rack or the like, Combination. O. C. Stanley. 162,590, Mar. 20.
Canister. N. W. Roop. 162,579, Mar. 20.
Car washing gun or similar article. L. G. Simms. 162,588, Mar. 20.
Case or similar article, Beverage. C. D. Jones, Jr. 162,548, Mar. 20.
Clock. E. R. Dans. 162,523, Mar. 20.
Comb, Hair. G. R. Collins. 162,519, Mar. 20.
Container or the like, Hosiery display. H. Levine. 162,551, Mar. 20.
Cover, Electrical outlet box. M. B. Austin, Jr. 162,509, Mar. 20.
Cutter, Vegetable. H. Pearlman. 162,575, Mar. 20.
Dispenser, Paper cup. S. Scherr and F. E. Smith. 162,582, Mar. 20.
Dispenser, Tape. A. J. Stanley and J. S. Nicholls, Jr. 162,589, Mar. 20.
Door for furnaces or the like, Safety. L. J. Harris. 162,536, Mar. 20.
Dress. J. L. Asteroff. 162,508, Mar. 20.
Dresser. E. Herrmann. 162,538, Mar. 20.
Embroidered trimming. A. Gelb. 162,532, Mar. 20.
Fabric, Textile. S. M. Mandell. 162,555–6, Mar. 20.
Fabric, Textile. P. Wayne. 162,602, Mar. 20.
Fabric, Textile. A. Zavell. 162,605, Mar. 20.
Figurine or similar article. R. H. Lenaburg. 162,549, Mar. 20.
Font of three-dimensional display letters. F. P. Mitten. 162,561, Mar. 20.
Frame, Table. O. J. Wiethoff. 162,604, Mar. 20.
Grille for accordions. M. Pancotti. 162,574, Mar. 20.
Grinder. R. E. Sykes. 162,593, Mar. 20.
Handle for furniture. J. Adkinson. 162,505, Mar. 20.
Handle, Furniture. J. Adkinson. 162,504, Mar. 20.
Handle unit. K. Burgold. 162,516, Mar. 20.
Hanger, Garment. R. W. Colwell. 162,520, Mar. 20.
Hat or similar article. A. Rothchild. 162,580, Mar. 20.
Heating unit, Electric range surface. A. P. Charbonneau. 162,518, Mar. 20.
Holder, Magnetic knife and tool. A. S. and M. Schmitman. 162,583, Mar. 20.
Housing for vending machine. H. M. Schaef. 162,581, Mar. 20.
Incinerator. V. Jester. 162,545, Mar. 20.
Jack, Automobile. G. V. Johnsen. 162,547, Mar. 20.
Lamp, Indicator. J. R. Hollins. 162,539, Mar. 20.
Lamp, Table. L. Secrist. 162,587, Mar. 20.
Lantern, Portable. G. G. Potekin. 162,578, Mar. 20.
Lens unit for a combined tail and signal light. O. F. Ingle. 162,543, Mar. 20.
Light or similar article, Planter. R. A. Stevens. 162,591, Mar. 20.
Lighting and ventilating unit, Vehicle interior. A. L. Arenberg and E. C. Zimmerman. 162,507, Mar. 20.
Medal. P. L. Barrager. 162,510, Mar. 20.
Necklace or similar article. A. Philippe. 162,576–7, Mar. 20.
Necktie. F. A. I. Eveleigh-de-Moleyns. 162,529, Mar. 20.
Ornament, Table. A. E. Bogdan. 162,512, Mar. 20.
Pair of spectacles. H. Weissman. 162,603, Mar. 20.
Paper for bread loaves or the like, Wrapping. Q. J. Hagedorn. 162,535, Mar. 20.
Pen, Ball point. J. D. Currence. 162,522, Mar. 20.
Plate or similar article, Dinner. R. H. Garvin. 162,530–1, Mar. 20.
Plate or similar article, Dinner. C. H. McKaig. 162,557, Mar. 20.
Polisher, Air-driven floor. W. T. Theis and L. W. Green. 162,595, Mar. 20.
Rack, Display. M. P. Levin. 162,550, Mar. 20.
Radio receiver and clock, Combination. H. J. Zeller. 162,606, Mar. 20.
Range, Electric. R. Loewy. 162,552, Mar. 20.
Receptacle, Heavy-duty electric. I. E. Swart. 162,592. Mar. 20.
Ribbon-run beading. M. I. Walden. 162,601, Mar. 20.
Ribbon-run trimming. M. I. Walden. 162,600, Mar. 20.
Rug. M. B. Goldfarb. 162,533, Mar. 20.
Set of playing pieces. J. Hsu. 162,541, Mar. 20.
Skirt, Maternity. A. J. Greendale. 162,534. Mar. 20.
Shirt, Sport. V. J. Luke. 162,553, Mar. 20.
Sign. C. E. Trame. 162,596, Mar. 20.
Soapholder. R. Aitken. 162,506, Mar. 20.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 162,584–5, Mar. 20.
Stand or similar article, Display. V. Turner. 162,597, Mar. 20.
Stand, Smoker's. L. Jiranek. 162,546, Mar. 20.
Stocking, Christmas. H. G. Hathaway. 162,537, Mar. 20.
Stocking, Lady's. W. M. Vogler. 162,598–9, Mar. 20.
Table. C. E. Meek, Jr. 162,558, Mar. 20.
Table and storage unit, Combined. E. A. Hurwitz. 162,542, Mar. 20.
Television screen window and control unit, Combined. S. E. Adler. 162,503, Mar. 20.
Toy airplane. C. L. Miller and R. D. Brandon. 162,560, Mar. 20.
Toy, Wheel. J. F. Brice. 162,513, Mar. 20.
Tricycle and cab, Combined. J. Hsu. 162,540, Mar. 20.
Ukulele. R. H. Crowle and C. E. Jones. 162,521, Mar. 20.
Undergarment, Slip-type. E. Darwin. 162,524, Mar. 20.
Vending machine or similar article, Bottle. F. N. James. 162,544, Mar. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MARCH, 1951

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive sheets and belts. W. J. McNamara and J. H. Kugler. 2,545,484, Mar. 20.
Absorbing gases in liquids. H. W. Doughty. 2,545,654, Mar. 20.
Accelerator, Induction. D. W. Kerst. 2,545,958, Mar. 20.
Accordion. D. E. Noble. 2,546,076, Mar. 20.
Accordion with auxiliary keyboard. L. R. Stahl. 2,546,022, Mar. 20.
Acetone resin modified phenol resins. C. F. Schrimpe. 2,545,559, Mar. 20.
Actuating apparatus for sound systems. P. H. Case, P. L. Karr, and H. J. Koeber, Jr. 2,545,941, Mar. 20.
Actuating mechanism for collets and the like. L. R. Evans. 2,545,610, Mar. 20.
Adding device, Pocket. F. J. Perillo. 2,545,555, Mar. 20.
Adjustable snap gauge. F. A. Barr. 2,545,757, Mar. 20.
Adsorption process and apparatus. D. H. Imhoff. 2,545,850, Mar. 20.
Agitator. H. F. Boucher. 2,545,914, Mar. 20.
Airflow control apparatus. W. E. Welch. 2,545,563, Mar. 20.
Alarm, Radio object detection. W. Tucker. 2,545,503, Mar. 20.
Alignment device support. H. J. Kenner. 2,545,784, Mar. 20.
Alkenylene bisisothiouronium compounds. L. W. Clemence and M. T. Leffler. 2,545,876, Mar. 20.
Alkyl-nitroaryl ethers, Preparation of. W. R. Ashford and R. W. Beattie. 2,545,597, Mar. 20.
Alkylation of aromatic hydrocarbons. H. J. Passino. 2,545,671, Mar. 20.
Amplifier, Double-bridge push-pull differential. J. E. Williams. 2,545,507, Mar. 20.
Amplitude modulation of microwaves. R. T. Gabler and W. Altar. 2,545,994, Mar. 20.
Anchoring device. G. H. Erb. 2,545,514, Mar. 20.
Anisotropic alnico magnet, Sintered. R. J. Studders. 2,546,047, Mar. 20.
Ant trap. O. W. Fisher, Sr. 2,545,772, Mar. 20.
Anticreeping device for railway rails. R. T. Scholes. 2,546,046, Mar. 20.
Antiskid device for motor vehicles. F. Hanel. 2,545,578, Mar. 20.
Apparatus for applying emission material to cathodes. W. P Zabel. 2,545,909, Mar. 20.
Apparatus for collecting soil gas samples. R. M. Squires. 2,545,900, Mar. 20.
Apparatus for compressing or expanding the frequency bands of electric oscillations. D. A. Bell. 2,545,871, Mar. 20.
Apparatus for deodorizing the atmosphere. H. Ward. 2,545,755, Mar. 20.
Apparatus for grinding lenses. G. A. Clement. 2,545,447-8, Mar. 20.
Apparatus for impregnating yarns. W. Jones and J. J. Heslin. 2,545,468, Mar. 20.
Apparatus for internal truing of holes. R. Langel. 2,545,435, Mar. 20.
Apparatus for introducing gases into molten metal. A. R. Hutt. 2,545,663, Mar. 20.
Apparatus for measuring depth by stereoscopic views. L. J. Leishman. 2,545,622, Mar. 20.
Apparatus for precision control of climatic conditions. C. E. Ohlheiser. 2,545,491, Mar. 20.
Apparatus for producing sand cores and the like. R. R. Snow. 2,545,799, Mar. 20.
Apparatus for regulating high voltage. K. G. Morrison. 2,546,106, Mar. 20.
Apparatus for scraping and cleaning conveyer belts. H. Hall. 2,545,882, Mar. 20.
Apparatus for scraping and cleaning conveyer belts, rollers, and the like. H. Hall. 2,545,883, Mar. 20.
Apparatus for separating closely adjacent strips of dough. C. Malnatti. 2,545,667, Mar. 20.
Apparatus for the manufacture of thermoplastic tubes. S. J. Everett. 2,545,729, Mar. 20.
Apparatus for the recovery of crab meat from bony material by gravity liquid separation. S. G. Harris and R. H. Carrington. 2,545,517, Mar. 20.
Apparatus for timing relay operations. H. F. Blair. 2,545,541, Mar. 20.
Apparatus to produce fresh water from ocean water. W. A. E. Hult. 2,546,071, Mar. 20.
Applicator, Fire foam. E. R. Wilkinson and T. H. Richardson. 2,545,983, Mar. 20.
Applicator for heat manipulation of the eyes. C. C. Curtis. 2,545,724, Mar. 10.
Arc extinguishing material. R. H. Amundson and H. V. Dryer. 2,545,596, Mar. 20.
Archer's sight. B. E. Fredrickson. 2,545,454, Mar. 20.
Armrest for automobile seats, Detachable. H. S. Drake. 2,545,545, Mar. 20.
Arrester, Button type. J. S. Baker. 2,545,867, Mar. 20.
Article feeding apparatus. H. L. Louden. 2,545,888, Mar. 20.
Articulated finger, Segmented. M. J. Fletcher. 2,545,452, Mar. 20.
Artificial pneumatic hand. J. Felip and A. Blasi. 2,545,947, Mar. 20.
Asphalt compositions, Producing. C. Mack. 2,545,963, Mar. 20.
Atomizer, Pulverized coal. E. E. Hewitt. 2,545,518, Mar. 20.
Attachment for grain drills, Rotary spreader. A. H. and V. M. Oswald. 2,545,747, Mar. 20.
Attachment for irons, Ruffle and lace dolly. M. E. Langdon. 2,545,621, Mar. 20.
Autotransformer, Three-phase. H. J. Morrison. 2,546,011, Mar. 20.
Auxiliary contact assembly. R. B. Immel. 2,546,001, Mar. 20.
Auxiliary stadium seat. S. H. Browne. 2,545,840, Mar. 20.
Back for vehicle seats, Collapsible. A. V. St. Germain. 2,545,679, Mar. 20.
Bale tying mechanism. G. B. Hill and F. D. Jones. 2,545,579, Mar. 20.
Band, Clamping. G. B. Desloge. 2,545,653, Mar. 20.
Barbecue appliance. C. R. Larkin. 2,545,818, Mar. 20.
Barrelhead construction. H. E. Thyen. 2,545,831, Mar. 20.
Bearing: *See*—
  Glass jewel bearing. Tapered roller bearing.
Bearing for car trucks, Side. O. T. Gregg. 2,546,029, Mar. 20.
Bench, Growing. P. A. Voigt. 2,545,717, Mar. 20.
Black and white limiter. F. A. Hester. 2,545,463, Mar. 20.
Blade and jaw construction for cylinder folding mechanisms. A. Meadowcroft. 2,546,075, Mar. 20.
Board: *See*—
  Photographic copy board.
  Portable collapsible ironing board.
Board structure, Ironing. C. K. Johannsen. 2,545,699, Mar. 20.
Boiler. H. H. Andersen. 2,546,082, Mar. 20.
Boiler. D. L. Swendsen. 2,545,903, Mar. 20.
Bookrack, Automatically adjustable. G. Couglas. 2,545,844, Mar. 20.
Boom. M. Armstrong. 2,545,937, Mar. 20.
Booth, Spray. F. E. Pearson. 2,545,672, Mar. 20.
Boric acid from sodium borate, Manufacture of. P. J. O'Brien and R. V. Chettle. 2,545,746, Mar. 20.
Boron-containing aluminum wire and its production. R. T. Whitzel and W. E. King. 2,545,866, Mar. 20.
Box: *See*—
  Hinged lid automatic box.
Bracket: *See*—
  Trestle leg and hinge bracket.
Bracket for building molding forms, Supporting. H. Lindemann. 2,545,437, Mar. 20.
Brake control apparatus, Fluid pressure. J. A. Campbell. 2,545,512, Mar. 20.
Brake holding and releasing mechanism, Hand. K. Williams. 2,546,081, Mar. 20.
Brush cleaning apparatus. O. L. Newton and L. M. Erickson. 2,546,041, Mar. 20.
Buffer. J. H. Le Rette. 2,546,102, Mar. 20.
Bulk granular material transporting vehicle. T. W. Cline. 2,545,766, Mar. 20.
Burner having port-connecting pilot slot, Gas. M. E. McGowan and P. E. C. Moes. 2,546,009, Mar. 20.
Cabinet: *See*—
  Display cabinet.
Cabinet structure, Refrigerator. W. H. Pusch. 2,545,749, Mar. 20.
Calculating machine. K. Jordan. 2,545,550, Mar. 20.
Caliper, Automatic. H. Puterbaugh. 2,546,110, Mar. 20.

Cap remover, Pry type. C. C. Stauffer. 2,545,678, Mar. 20.
Car: *See*—
  Sleeping car.
Carburizing bath. F. R. Morral. 2,546,131, Mar. 20.
Card, Laminated. R. E. Butler. 2,545,804, Mar. 20.
Carton, Collapsible. R. A. Samsing. 2,545,589, Mar. 20.
Carton, Partitioned. R. M. Bergstein. 2,545,803, Mar. 20.
Case: *See*—
  Multiple purpose refrigerated case. Portable typewriter carrying case.
Case for elongated articles. R. L. Flannery. 2,545,611, Mar. 20.
Catalyst chamber construction. C. L. Rogers. 2,546,044, Mar. 20.
Catalytic oxidation of alkyl benzenes to produce aryl alkyl ketones and carbinols. G. A. Baker and W. H. Spondon. 2,545,870, Mar. 20.
Cathode-ray tube time base. F. E. J. Girling. 2,546,065, Mar. 20.
Chain: *See*—
  Tractor chain.
Chain applying device, Tire. A. C. Balson. 2,545,722, Mar. 20.
Chain washing device. F. B. McKneely. 2,545,890, Mar. 20.
Chair having foldable armrests, Collapsible. R. Newstead. 2,545,968, Mar. 20.
Cigar, Imitation. G. Kardos. 2,545,851, Mar. 20.
Cigarette holder. C. E. Lewis. 2,546,127, Mar. 20.
Circuit: *See*—
  Motor protective circuit. Two-way telephone trunk circuit.
  Phase converting circuit.
Circuit arrangement, Selective. D. E. Bridges. 2,545,567, Mar. 20.
Circuit breaker. J. Sandin and T. Lindstrom. 2,546,016, Mar. 20.
Circuit for balanced high-frequency generators, Output coupling. W. M. Rust. 2,546,015, Mar. 20.
Circuit interrupter. H. W. Graybill. 2,545,660, Mar. 20.
Circuit interrupter. H. J. Lingal and J. M. Cumming. 2,546,007, Mar. 20.
Circuit tester. R. J. Du Pree. 2,545,808, Mar. 20.
Circuits, Fast impulse. C. W. Johnstone. 2,545,924, Mar. 20.
Circuits, Magnetically controlled electron discharge amplifier. C. R. Knight. 2,546,033, Mar. 20.
Clamp: *See*—
  Line clamp. Quick-acting clamp.
Clamping device. H. H. Merriman. 2,545,668, Mar. 20.
Closure for chambers under superatmospheric internal pressure and associated fluid pressure means for preventing the escape of fluids therefrom, Openable. L. Koolstra. 2,545,886, Mar. 20.
Closure remover, Fulcrum type. T. W. Tregear. 2,545,979, Mar. 20.
Clutch facing and making same. C. S. Batchelor. 2,546,056, Mar. 20.
Coating with plutonium acetylacetonate and coated product. B. B. Cunningham, C. Smith, and J. S. Dixon. 2,545,606, Mar. 20.
Collapsible yarn holder. F. C. Newmaker. 2,545,790, Mar. 20.
Collet. J. R. O'Connell. 2,545,628, Mar. 20.
Color television tube. A. C. Schroeder. 2,545,974, Mar. 20.
Combustion chamber air flow arrangement about the fuel nozzle end, Annular. R. A. Sforzini. 2,545,495, Mar. 20.
Combustion control. J. W. Hamilton. 2,545,732, Mar. 20.
Compass, Magnetic. R. T. Squier and L. E. Dewey. 2,545,830, Mar. 20.
Compensated pipe expansion joint. J. W. McCausland. 2,545,701, Mar. 20.
Compensator. C. U. Ballard. 2,546,055, Mar. 20.
Completion shoe. P. A. Villafane. 2,545,504, Mar. 20.
Compressor and the like, Fluid. F. Berry. 2,545,600, Mar. 20.
Compressor assembly. O. H. Scheldorf. 2,546,045, Mar. 20.
Compressor, Fluid. W. W. Paget. 2,545,791, Mar. 20.
Computer. I. W. Doyle and H. E. Hale. 2,545,655, Mar. 20.
Computing and recording machine, Key operated elapsed time and earnings. C. B. Hall. 2,545,460, Mar. 20.
Condenser unit, Protective filter. P. B. Blanchard. 2,545,760, Mar. 20.
Connector: *See*—
  Pipe connector.
Constant tension nut stop. E. R. Lockwood. 2,545,927, Mar. 20.
Construction of flexible pipe couplings. G. F. Hauf. 2,546,096, Mar. 20.
Contact device for electric contactors, Auxiliary. R. T. Basnett. 2,545,986, Mar. 20.
Container for electric condensers, Flanged. B. O. N. Hansson. 2,545,661, Mar. 20.
Container or the like, Cosmetic. R. B. Hopgood. 2,545,848-9, Mar. 20.
Container or the like, Cosmetic. W. G. Thompson and R. B. Hopgood. 2,545,864, Mar. 20.
Control apparatus. R. R. Stevens. 2,545,532, Mar. 20.
Control apparatus for railway track switches, Antistorage. T. L. Carlson. 2,545,841, Mar. 20.
Control device for milking machines. A. G. and W. E. Perkins. 2,545,857, Mar. 20.
Control of evaporated metal film thickness, Automatic. P. Godley, 2nd. 2,545,576, Mar. 20.
Control mechanism for fluid motors. J. E. Goodwillie and A. A. Neese. 2,545,921, Mar. 20.
Control system. E. G. Bailey and P. S. Dickey. 2,546,119, Mar. 20.
Control system. C. J. Caldbeck. 2,545,990, Mar. 20.
Control system. W. K. Sonnemann. 2,546,021, Mar. 20.
Control system for cutting apparatus. J. R. Wrathall. 2,546,024, Mar. 20.
Conversion of iron oxide into iron, Two-stage. W. Tiddy and F. D. Cooper. 2,545,932, Mar. 20.
Conversion of iron oxide into iron with coke-oven gas. W. Tiddy and F. D. Cooper. 2,545,933, Mar. 20.
Conveyer, Endless. W. J. Kemp. 2,546,072, Mar. 20.
Cooling apparatus and method, Air and liquid. N. B. Lau Bach. 2,545,926, Mar. 20.
Counter, Hosiery pairer. C. W. Burns. 2,545,763, Mar. 20.
Coupling: *See*—
  Shaft coupling.
Coupling for high-pressure fluid lines, Quick-release. A. T. Schelwer. 2,545,796, Mar. 20.
Cover: *See*—
  Muzzle cover. Toilet seat cover.
  Seat cover.
Cover and frame, Manhole and inspection. V. Elkington. 2,545,771, Mar. 20.
Cultivator, Power-driven. A. C. Howard. 2,545,735, Mar. 20.
Current limit generator. A. W. Kimball and M. H. Fisher. 2,546,003, Mar. 20.
Cutter: *See*—
  Inclined reciprocating vegetable cutter.
Cutter and peeler, Fruit and vegetable. H. A. Holmberg. 2,546,032, Mar. 20.
Cutter for quarry drills, Renewable. W. F. Bock. 2,545,913, Mar. 20.
Cutting device, Pipe intersection bevel. H. E. Lonngren. 2,545,666, Mar. 20.
Cutting machine, Button blank. C. F. Schmarje, R. A. McBride, and C. H. Schmarje. 2,545,708, Mar. 20.
Cycloaliphatic silanes. D. B. Hatcher and R. H. Bunnell. 2,545,780, Mar. 20.
Cylinder, Compound master. A. W. Cook. 2,545,685, Mar. 20.
Decoy, Folding goose and duck. J. M. Viken. 2,545,800, Mar. 20.
$\Delta^{9,11}$-11-keto-steroids, and producing them. H. E. Stavely. 2,545,978, Mar. 20.
Dent remover with flexible shaft and vibrating means. L. C. Forrest. 2,545,878, Mar. 20.
Detection of unbalance in alternating current loads. W. O. Gates. 2,545,547, Mar. 20.
Detecting and testing apparatus for switching systems, Automatic electronic. H. W. Koch. 2,545,551, Mar. 20.
Detonating means for projectiles, Delayed. Jerome J. and Joseph J. Kurland. 2,545,474, Mar. 20.
Device for dispensing material from collapsible paste tubes. R. D. Ruch. 2,545,751, Mar. 20.
Device for treating teeth and gums. G. A. Kempster. 2,545,814, Mar. 20.
Device utilizing the thermal-pump principle for the production of heat and cold. J. Sallou. 2,545,861, Mar. 20.
Diamond impregnated dressing tool. L. Small. 2,545,676, Mar. 20.
Diaper. M. E. Brink. 2,545,761, Mar. 20.
Diaphragm seal. J. B. Peterson. 2,545,530, Mar. 20.
Die retaining means. F. S. Spelcher. 2,545,711, Mar. 20.
Die set for punch presses. G. Scott. 2,545,560, Mar. 20.
Dielectric heating, Progressive. T. P. Kinn. 2,546,004, Mar. 20.
Differential mechanism. W. C. Brubaker. 2,545,601, Mar. 20.
Dimethyl silicone gums, Preparation of. J. Marsden. 2,546,036, Mar. 20.
Diolefin-nitrile copolymer plasticized with hydrocarbon polymer. A. M. Gessler. 2,545,516, Mar. 20.
Discharging fire extinguishing media. C. W. Frese and T. P. Scott. 2,545,951, Mar. 20.
Dish, Child's hot food. L. W. Hatfield. 2,545,733, Mar. 20.
Disk game device, Rotating. A. C. Benton and J. F. Schmidt, Jr. 2,545,644, Mar. 20.
Dispenser: *See*—
  Liquid dispenser.
Dispenser. A. J. Stanley and J. S. Nicholls, Jr. 2,545,500, Mar. 20.
Dispenser and lighter, Cigarette. P. J. Zanardo. 2,545,936, Mar. 20.
Dispensing machine. L. J. Pulse. 2,545,588, Mar. 20.
Display cabinet. J. E. Gauvreau. 2,545,575, Mar. 20.
Dividing pulverous material into desired fractions by means of a rotating sifting machine, Method and apparatus for. K. G. Gustavsson. 2,546,068, Mar. 20.
Door arrangement, Sliding. J. N. Dokken, A. R. Wigeland, and C. A. Andersen. 2,545,728, Mar. 20.
Door operating device, Garage. H. H. Hall. 2,545,775, Mar. 20.
Drainage device for drum driers. J. C. Cowle. 2,545,917, Mar. 20.

Drying form, Sock. A. L. Loutz. 2,545,479, Mar. 20.
Dumpcart. J. Grewe. 2,546,030, Mar. 20.
Duster. W. M. Spreng. 2,545,829, Mar. 20.
Dynamoelectric machinery, Ventilated. F. O. Luenberger. 2,545,855, Mar. 20.
Ejector mechanism for cutting cylinders. W. L. Hart. 2,546,069, Mar. 20.
Electric glass furnace. R. E. Lambert. 2,545,619, Mar. 20.
Electric motor. R. H. Sullivan, V. H. Hardy, and H. C. Porter. 2,545,715, Mar. 20.
Electric switch. J. R. Caldwell. 2,545,940, Mar. 20.
Electrically conductive revolving joint. V. W. Breitenstein. 2,545,939, Mar. 20.
Electrode assembly, Fused. J. W. Posey and G. L. Weimer. 2,545,629, Mar. 20.
Electrode coating. P. J. Hagelston and R. S. Ives. 2,545,695, Mar. 20.
Electrodeposition of metals and alloys. J. M. Booe. 2,545,566, Mar. 20.
Electromagnet control device. J. S. Zimmer. 2,546,053, Mar. 20.
Electromagnetic actuator. R. B. Immel. 2,546,000, Mar. 20.
Electromagnetic relay. R. E. Prouty. 2,545,587, Mar. 20.
Electron beam vacuum tube. G. B. Loper. 2,545,822, Mar. 20.
Electronic control. S. L. Burgwin. 2,545,989, Mar. 20.
Electronic indicator. E. W. Graham. 2,545,881, Mar. 20.
Electronic system for energizing direct-current motors from an alternating-current source. K. P. Puchlowski and J. G. Haneiko. 2,546,014, Mar. 20.
Elevator, Desk. M. Fox. 2,545,949, Mar. 20.
Elevator, Safety. R. M. Gammell. 2,545,457, Mar. 20.
Engine: *See*—
Internal-combustion engine.
Engine cooling. B. A. de Waern. 2,545,807, Mar. 20.
Engine having coaxial compressor and power pistons, Two-cycle. H. G. Spier. 2,545,499, Mar. 20.
Engine operating on the four-stroke cycle with compression ignition, Internal-combustion. H. R. Ricardo. 2,545,793, Mar. 20.
Ensiling vegetable products. K. P. Kalis. 2,546,101, Mar. 20.
Escalator. W. F. Masek. 2,545,740, Mar. 20.
Exhaust for core blowing machines, Reservoir. R. W. Ellms. 2,545,944, Mar. 20.
Extension for pressure cookers, Detachable. N. M. Griffin. 2,545,577, Mar. 20.
Fabric: *See*—
Unwoven flexible fabric.
Fabricating metal laminates. B. D. Raffel. 2,545,704, Mar. 20.
Fabrics of a long chain amino-ethoxy cellulose and making the same. J. D. Reid and G. C. Daul. 2,545,492, Mar. 20.
Fastener: *See*—
Sliding clasp fastener.
Fastening device. R. M. Storer. 2,545,714, Mar. 20.
Fatigue tester. J. P. Koester, R. J. Purdy, and O. W. Berglund. 2,545,816, Mar. 20.
Faucet, Glass filler. R. J. Fisher. 2,545,810, Mar. 20.
Feeding device, Children's. A. Goldfarb. 2,546,122, Mar. 20.
Feeding device for rock drills. W. A. Morrison. 2,546,107, Mar. 20.
Fence picket, Plastic. N. J. Du Batto and C. Wolf. 2,545,845, Mar. 20.
Fiber strand, Multiple. J. Bailey. 2,545,869, Mar. 20.
Field strength meter. R. W. Gilbert. 2,546,093, Mar. 20.
Filling and dispensing apparatus, Substance. H. C. Canine. 2,545,605, Mar. 20.
Filter element, Cylindrical bag. L. H. De Haven. 2,545,769, Mar. 20.
Finder for automatic carrier telephone systems. G. F. Bellairs and J. C. Ireland. 2,545,642, Mar. 20.
Fire alarm switch. M. Levy. 2,545,854, Mar. 20.
Fire extinguishing method and apparatus. D. D. Aitken. 2,545,640, Mar. 20.
Fire shutter and dowser for motion-picture projectors. E. C. Manderfeld. 2,545,738, Mar. 20.
Fishing lure. S. L. and P. A. Secrest. 2,545,797, Mar. 20.
5-methoxyquinoxaline-1,4-di-N-oxide. J. K. Landquist. 2,545,786, Mar. 20.
Fixture hanger. A. I. Appleton. 2,545,564, Mar. 20.
Flexible antenna mounting. J. P. Coon. 2,546,026, Mar. 20.
Fluid control valve. O. C. Martin. 2,545,526, Mar. 20.
Focus coil arrangement. R. F. Foster. 2,546,028, Mar. 20.
Folding ice fishing rod. A. F. Seviola. 2,546,079, Mar. 20.
Folding toilet seat. J. V. Barnes. 2,545,598, Mar. 20.
Footrest. M. W. Bosler. 2,545,510, Mar. 20.
Footwear, Weighted. G. Aprile. 2,545,910, Mar. 20.
Forming an expanded tube and tube seat connection with an intervening metallic bonding stratum of low fusion temperature. C. A. Maxwell. 2,545,527, Mar. 20.
Forming glass tubing. S. J. Everett. 2,545,728, Mar. 20
Forming glomerules. E. P. Barrett. 2,545,441, Mar. 20.
Fountain pen holder. C. J. Beuck. 2,545,540, Mar. 20.
Fractionating apparatus. C. G. Gerhold. 2,545,691, Mar. 20.
Fractionation of oleaginous materials. G. H. Palmer. 2,546,132, Mar. 20.
Frame locked by slidable handle, Luggage. L. Stein. 2,545,501, Mar. 20.
Frequency modulation system. K. R. MacKenzie. 2,545,623, Mar. 20.
Fryer for tostadas, Tortilla. J. P. Pompa. 2,545,897, Mar. 20.
Fuel injection pump mechanism. L. E. Johnson. 2,545,664, Mar. 20.
Fuel oils for gas turbine engines and making same. D. A. Howes. 2,546,125, Mar. 20.
Furnace: *See*—
Electric glass furnace.
Furniture, Convertible. O. and F. Mehr. 2,545,891, Mar. 20.
Gardener's tool. C. T. Holman. 2,545,734, Mar. 20.
Garment for infants, Diaper. H. J. Ralph. 2,545,674, Mar. 20.
Garment hanger. A. M. Framke. 2,545,657, Mar. 20.
Garment hanger. G. M. Tibbitts. 2,545,637, Mar. 20.
Gas turbine temperature control responsive to air and fuel flow, compressor intake and discharge temperature and speed. A. W. Orr, Jr. 2,545,703, Mar. 20.
Gauge: *See*—
Adjustable snap gauge. Miter gauge.
Gauge for circular saws, Jointing. H. M. Dixon. 2,545,607, Mar. 20.
Gear pump and allied device, Spiral. R. J. L. Moineau. 2,545,626, Mar. 20.
Geiger-Müller tube mounting. M. J. Test and S. Krasnow. 2,546,048, Mar. 20.
Generator: *See*—
Current limit generator.
Generator control system. R. M. Critchfield and P. L. Schneider. 2,545,688, Mar. 20.
Glass jewel bearing. U. Jelinek. 2,546,002, Mar. 20.
Glass sheet glazing unit having enclosed angled metal slats, Multiple. G. B. Watkins. 2,545,906, Mar. 20.
Glazing unit with light modifying screen, Multiple. G. B. Watkins. 2,545,907, Mar. 20.
Glutaraldehyde and C-substituted glutaraldehyde from dihydro pyrans, Production of. C. W. Smith and S. A. Ballard. 2,546,018, Mar. 20.
Governor and ignition system for internal-combustion engines, Combination. M. L. Smitley. 2,545,709, Mar. 20.
Governor, Gas turbine. G. M. Holley, Jr., and A. W. Orr, Jr. 2,545,698, Mar. 20.
Governor, Propeller pitch. H. Carson and J. W. Light. 2,545,684, Mar. 20.
Grease gun filler with spring biased expansible follower. C. Sands. 2,545,531, Mar. 20.
Greenhouse construction. F. A. Stocking, Jr. 2,545,713, Mar. 20.
Grinding machine. E. Fouquet. 2,545,730, Mar. 20.
Grinding machine attachment. S. J. Kopec. 2,545,618, Mar. 20.
Guard for clothes wringers, Finger. T. H. Buchanan. 2,545,569, Mar. 20.
Guard for containers, Splash. E. E. Murray. 2,546,040, Mar. 20.
Guide for cutting machines, Knife. F. G. Clark. 2,545,842, Mar. 20.
Gutter terminal. V. F. Schmitt. 2,545,898, Mar. 20.
Hair grooming device. H. F. Jackson. 2,545,885, Mar. 20.
Halomethyl derivatives of dyes of the thioindigo series and obtaining them. C. M. Smith and D. I. Randall. 2,545,497, Mar. 20.
Hand restrainer. A. O. Wright. 2,546,118, Mar. 20.
Handle: *See*—
Mowing machine handle.
Handle assembly, Extensible. A. H. Jackson. 2,545,813, Mar. 20.
Handle for tools, Adjustable. C. W. Ginter. 2,545,659, Mar. 20.
Hanger: *See*—
Fixture hanger. Garment hanger.
Hay handling apparatus. S. Good. 2,546,094, Mar. 20.
Head covering. L. Whelan. 2,546,117, Mar. 20.
Headstock and spindle. J. J. Vesqueira and R. Kurswell. 2,545,858, Mar. 20.
Hearing aid support. G. W. French. 2,545,731, Mar. 20.
Heat-treating gaseous atmospheres, Producing special. C. E. Peck and J. G. Hoop. 2,546,013, Mar. 20.
Heater. S. E. Heymann. 2,545,616, Mar. 20.
Heater and control, Liquid. R. M. McQuitty. 2,545,966, Mar. 20.
Heater with magazine automatic dampers and hot-air jacket, Solid-fuel-burning space. D. H. Wyatt. 2,545,680, Mar. 20.
Heating apparatus. E. M. Callender. 2,545,805, Mar. 20.
Heating apparatus, Metallurgical. H. Dobrin. 2,545,725, Mar. 20.
Heating element for convection heaters. B. Spieth. 2,545,561, Mar. 20.
Heterocyclic benzanthrone compounds. W. Schmidt-Nickels. 2,546,138, Mar. 20.
Hexitols by catalytic reduction of carbohydrates, Manufacturing. J. Lolkema, H. A. Van Westen, and J. C. Vlugter. 2,546,103, Mar. 20.
High-pressure mercury vapor electric discharge lamp. G. G. Isaacs and E. H. Nelson. 2,545,884, Mar. 20.

High-voltage supply. R. M. Lichtenstein, W. W. Schultz, and E. E. Goodale. 2,546,035, Mar. 20.
Hinged lid automatic box. S. Bergstein. 2,545,802, Mar. 20.
Hoist, Rotary. C. Hall. 2,545,953, Mar. 20.
Hoisting drum safety control. F. R. Spriggs. 2,545,594, Mar. 20.
Hoisting machine. G. E. Moore. 2,545,892, Mar. 20.
Holder: *See*—
Cigarette holder. Oil indicator label holder.
Collapsible yarn holder. Reed holder.
Fountain pen holder. Skein holder.
Holder for elongated fluorescent lamps, Lamp. R. W. Haven. 2,545,697, Mar. 20.
Homosulfanilamide salt of aspergillic acid and preparing same. W. A. Lott, K. A. Losee, and M. Adler. 2,545,962, Mar. 20.
Housing and mounting for elements of Schmidt television projectors. I. G. Maloff. 2,545,525, Mar. 20.
Hydrant assembly, Antifreezing sanitary. T. E. Bart. 2,545,911, Mar. 20.
Hydraulic dust trap. L. Lee. 2,545,853, Mar. 20.
Hydraulic forming machine. A. E. Caldwell. 2,545,570, Mar. 20.
Hydrocarbon synthesis. W. G. Hockberger. 2,545,954, Mar. 20.
Hydrogenation of carbon monoxide. J. C. Schiller, S. R. Bethea, and M. A. Mosesman. 2,546,017, Mar. 20.
Ice-flake machine. F. W. Knowles. 2,546,005, Mar. 20.
Ice making machine. R. D. Russell and W. L. Ihly. 2,545,558, Mar. 20.
Ice mold figures, Making. T. F. Sherbloom. 2,545,592, Mar. 20.
Ignition device, Electrical. P. T. Nims. 2,546,108, Mar. 20.
Ignition electrode device for gas burners. W. B. Ensign and O. Wildermann. 2,545,945, Mar. 20.
Impedance monitor. W. H. Doherty. 2,545,544, Mar. 20.
Implement, Culinary. C. F. Roberts and E. Buckly. 2,545,794, Mar. 20.
Impulse current relay. S. F. E. Meyer. 2,545,669, Mar. 20.
Incinerator. J. P. McKinley. 2,545,625, Mar. 20.
Inclined reciprocating vegetable cutter. H. R. Ransom. 2,545,557, Mar. 20.
Indicator: *See*—
Electronic indicator. Torque indicator.
Oil indicator.
Indicator device for golf practice machines, Path. H. R. Smith. 2,545,634, Mar. 20.
Indicator for seed hoppers, Level. T. Dedio. 2,545,992, Mar. 20.
Indicator for typewriters, Page-end. G. G. Knieriem, Jr. 2,545,582, Mar. 20.
Ingot and mold for making the same. E. J. Kauffman, Sr. 2,545,925, Mar. 20.
Inks, Quick-drying writing. R. L. Mayhew. 2,545,823, Mar. 20.
Inks, Quick-drying writing. R. L. Mayhew. 2,546,130, Mar. 20.
Instrument, Electrosurgical. F. J. Wallace. 2,545,865, Mar. 20.
Instrument, Musical. M. J. Larsen. 2,545,665, Mar. 20.
Instrument, Navigational. L. A. Warner. 2,545,935, Mar. 20.
Insulation tester, Micrometric. A. C. Hugin. 2,545,782, Mar. 20.
Intercepting the escape of ash to the atmosphere. E. C. Addison. 2,545,537, Mar. 20.
Intercommunication system, Two-way loud-speaker. J. Levy. 2,545,477, Mar. 20.
Internal-combustion engine. O. G. and C. L. Erickson. 2,545,946, Mar. 20.
Internal-combustion percussive tool. C. A. Hirschberg. 2,545,999, Mar. 20.
Internal grooving and reaming tool. B. B. Bowren. 2,545,443, Mar. 20.
Internally lined and insulated chamber. R. B. Collins. 2,545,686, Mar. 20.
Iron: *See*—
Swivel chair iron.
Jaw face for pipe tongs. J. P. Ratigan. 2,545,630, Mar. 20.
Joint: *See*—
Compensated pipe expansion joint. Universal joint.
Electrically conductive revolving joint.
Joint for a base flashing, Expansion. M. Riesner. 2,545,705, Mar. 20.
Joint for leg braces, Hinged. H. Cohan. 2,545,843, Mar. 20.
Kite, Flexible. G. S. and F. M. Rogallo. 2,546,078, Mar. 20.
Knurling tool. J. H. Boulet. 2,546,058, Mar. 20.
Kryptonrich gases, Preparation of. P. J. Haringhuizen. 2,545,778, Mar. 20.
Labyrinth packings, particularly for use in internal-combustion turbines. T. Clark. 2,545,916, Mar. 20.
Laminated articles, Manufacturing. J. K. Wagers and E. C. Shokal. 2,545,832, Mar. 20.
Lamp: *See*—
High-pressure mercury vapor electric discharge lamp.
Lamp, light diffusing coating therefor and manufacture, Electric. M. Pipkin. 2,545,896, Mar. 20.
Lawn mower, Power. B. B. Buckingham and R. K. Viles. 2,545,647, Mar. 20.
Leveling apparatus for motor vehicles, Hydraulic. E. Richter. 2,545,493–4, Mar. 20.
Lever, Plunger release. O. W. Henriksson and R. L. Sargisson. 2,546,070, Mar. 20.
Lift, Detachable top. M. P. and J. F. McCarron. 2,546,105, Mar. 20.
Lighting arrester. T. L. Dyer, Jr. 2,545,993, Mar. 20.
Lightning arrester. M. G. Leonard and G. Y. Hager. 2,546,006, Mar. 20.
Line clamp. M. D. Bible. 2,545,565, Mar. 20.
Linear accelerator. L. W. Alvarez. 2,545,595, Mar. 20.
Lipstick. C. H. Braselton. 2,545,444, Mar. 20.
Liquid dispenser. A. L. Bobrick. 2,545,988, Mar. 20.
Lithium borohydride, Preparation of. H. I. Schlesinger and H. C. Brown. 2,545,633, Mar. 20.
Loading cops. F. L. Foderaro. 2,545,919, Mar. 20.
Lock: *See*—
Window lock.
Lock for sleeping car rooms, Washbasin. J. J. Mayer. 2,546,129, Mar. 20.
Locomotive control system. J. J. Stamm. 2,546,023, Mar. 20.
Loud-speaker, Reflex type. S. E. Levy. 2,545,961, Mar. 20.
Lubricant, Sulfurized. G. N. Cade. 2,545,875, Mar. 20.
Machine for cutting potatoes or like objects into chips or slices. G. J. Abbott. 2,545,720, Mar. 20.
Machine for flaring or bending or spinning the edges of openings in sheets of stiff material. C. T. Small. 2,545,976, Mar. 20.
Machine for skinning meat. W. F. Weber. 2,545,718, Mar. 20.
Machine tool for the machining of large annular workpieces. C. W. Berthiez. 2,545,838, Mar. 20.
Making glue from wood and a lumber product. W. C. Goss. 2,545,459, Mar. 20.
Making lined containers, Method and apparatus for. D. Schmidt. 2,546,137, Mar. 20.
Malting plant and method in which the grain is successively moved and aerated during malting. H. F. V. Bödcher and E. J. von Heidenstam. 2,545,542, Mar. 20.
Manufacturing incandescent mantles. W. W. Ulmer. 2,546,115, Mar. 20.
Manufacturing ice, Method and apparatus for. C. Field. 2,546,092, Mar. 20.
Mask, Portable paint. S. Wheatley. 2,545,638, Mar. 20.
Massager, Foot. W. Gustlin. 2,546,095, Mar. 20.
Master switch. A. D. McCamon. 2,545,965, Mar. 20.
Material handling device. F. B. Harvuot. 2,545,696, Mar. 20.
Material suitable for decoration by stamping and making same. A. E. Davis and L. M. Perry. 2,545,918, Mar. 20.
Mechanical elements, Producing. H. Scott, R. B. Gordon, and F. C. Hull. 2,545,862, Mar. 20.
Mechanical unit for adjustable louvers. W. B. Brothers. 2,545,874, Mar. 20.
Mechanically operated switch. C. R. Peter. 2,546,077, Mar. 20.
Mechanism for applying electric terminals to stranded wires. K. H. Andren. 2,545,756, Mar. 20.
Melamine from line nitrogen, Production of. J. S. Mackay. 2,545,480, Mar. 20.
Merchandising apparatus. J. J. Noonan. 2,545,670, Mar. 20.
Metalworking power press. E. K. Johansen and R. W. Glasner. 2,546,100, Mar. 20.
Meter: *See*—
Field strength meter.
Metering unit, Pulse jet. E. R. Klinge. 2,545,815, Mar. 20.
Method and apparatus for preparing and using sheet material for packaging purposes. W. S. Cloud. 2,546,059, Mar. 20.
Microcrystalline wax as an antifoam agent in soluble oil-water emulsion. E. H. Sperry. 2,545,677, Mar. 20.
Miter gauge. L. Hoppe. 2,545,580, Mar. 20.
Mixing and dispensing device, Combined fluid. L. W. Hosford. 2,545,812, Mar. 20.
Modification of prolamins with glycols. J. P. Dunne. 2,545,656, Mar. 20.
Modulation. E. G. Hopkins. 2,545,955, Mar. 20.
Modulator system. F. H. McIntosh. 2,545,788, Mar. 20.
Motor protective circuit. J. Di Giovanni. 2,545,690, Mar. 20.
Motion trip for offset printing machines, Ink and water. A. J. Albrecht. 2,545,836, Mar. 20.
Motor: *See*—
Electric motor.
Motor. R. C. Thomas. 2,545,753, Mar. 20.
Motor and valve means for controlling the same, Rotary fluid. D. G. Griswold. 2,545,774, Mar. 20.
Motor or pump, Multipiston. E. F. Engstrom. 2,545,609, Mar. 20.

Mounting: *See*—
Flexible antenna mounting.
Geiger-Müller tube mounting.
Pilot lamp mounting.
Timer mounting.

Mowing machine handle. H. H. Montague. 2,545,585, Mar. 20.
Muff, Ear. M. S. Leeming. 2,545,552, Mar. 20.
Multifunction control key. N. Capellaro. 2,545,649, Mar. 20.
Multiolefin monoolefin resin and making the same. W. J. Sparks and J. D. Garber. 2,546,020, Mar. 20.
Multiple purpose refrigerated case. R. J. Burger. 2,545,602, Mar. 20.
Muzzle cover. G. A. Kremkau. 2,545,473, Mar. 20.
N-substituted benzimidazoles. W. C. Craig. 2,545,687, Mar. 20.
Necktie. E. Rinehart. 2,545,971, Mar. 20.
Nestable fuel tank. C. H. Maier. 2,545,481, Mar. 20.
Nitric esters of normally solid primary alcohols, Manufacture of. R. E. Barnhart and R. M. Cavanaugh. 2,545,538, Mar. 20.
Nonphosphorescent calcium silicate phosphor containing indium. H. C. Froelich. 2,545,880, Mar. 20.
Nozzle, Quick-seting rate flow. P. E. Lehr. 2,545,820, Mar. 20.
Nuclear, substituted cinnamyl alcohols, Preparation of. C. F. H. Allen and J. R. Byers, Jr. 2,545,439, Mar. 20.
Oil indicator. J. R. Grossman and W. L. Milliken. 2,545,694, Mar. 20.
Oil indicator label holder. J. R. Grossman and W. L. Milliken. 2,545,693, Mar. 20.
Olefin-dihydronaphthalene copolymers. E. Lieber. 2,545,522, Mar. 20.
1,5-pentanediols, Preparation of. C. W. Smith. 2,546,019, Mar. 20.
1-hydroxy-4-(6'-benzodioxan-1', 3') amino anthraquinone. S. R. Buc and E. E. Renfrew. 2,546,121, Mar. 20.
Opener, Can. R. F. O'Hara and J. H. Weisling. 2,545,826, Mar. 20.
Operating mechanism for a window and casing assembly. C. C. Curley. 2,545,449, Mar. 20.
Ophthalmic attachment. A. Pozarik. 2,545,673, Mar. 20.
Optical projecting apparatus for a disk with concentric tracks of matter to be projected. W. S. and E. C. Aldrich. 2,546,054, Mar. 20.
Oscillator, High-frequency. R. M. Baker. 2,545,985, Mar. 20.
Oscillator, Neutralized crystal. R. L. Downey. 2,546,027, Mar. 20.
Oven control, Time-controlled temperature-responsive. J. F. Dunn. 2,545,846, Mar. 20.
Oxygen demand pressure breathing regulator. H. P. Roth. 2,545,707, Mar. 20.
Package. J. E. Snyder. 2,545,710, Mar. 20.
Pad element for abrading machines. A. C. Burleigh. 2,546,087, Mar. 20.
Painter, Sash and trim. R. E. Allen and F. A. Murphy. 2,545,641, Mar. 20.
Panel, Decorative. R. B. Faulk. 2,545,809, Mar. 20.
Panoramic sight. G. Rattray. 2,546,111, Mar. 20.
Parachute, Rotating wing. V. Isacco. 2,545,736, Mar. 20.
Passenger vehicle. R. G. F. Loewy. 2,545,523, Mar. 20.
Paster for wallpaper machines. A. Thomas. 2,545,905, Mar. 20.
Patty forming machine, Ground meat. F. S. Elsaesser. 2,545,451, Mar. 20.
Petroleum residua, Deashing. E. E. Davis. 2,545,806, Mar. 20.
Phase converting circuit. R. B. Kerr. 2,546,126, Mar. 20.
Phenolic molding resins. T. F. Clark. 2,545,446, Mar. 20.
Phonograph, Automatic record changing. A. E. and A. G. Ristau. 2,546,136, Mar. 20.
Phonograph, Record changer. K. R. Bender. 2,545,643, Mar. 20.
Photographic copy board. J. D. Maxwell. 2,545,964, Mar. 20.
Pickup element, Variable resistance. M. B. Luke. 2,545,737, Mar. 20.
Pillowcase. S. S. Rand. 2,545,970, Mar. 20.
Pilot lamp mounting. H. P. Allen. 2,545,508, Mar. 20.
Pipe connector. J. C. Richardson. 2,545,930, Mar. 20.
Plastic sheet, Reinforced. H. Warp. 2,545,981, Mar. 20.
Plastic sheets, Method of and apparatus for manufacturing. J. Bailey. 2,545,868, Mar. 20.
Plug: *See*—
Spark plug.
Pocket flap, Detachable safety. E. L. and O. A. Berman. 2,546,084, Mar. 20.
Polishing machine having horizontally positioned motor, Rotary floor. J. P. Stelbel. 2,545,635, Mar. 20.
Polyazo dyestuffs. W. Bossard and M. Reding. 2,545,872, Mar. 20.
Polymers from allylic alcohol monoethers of trihydric alcohols. H. Dannenberg and D. E. Adelson. 2,545,689, Mar. 20.
Polystyrene emulsions, Preparing stable. F. H. Norris. 2,545,702, Mar. 20.
Polyvinyl acetal resins. H. S. Bloch. 2,545,683, Mar. 20.
Polyvinyl resin, Plasticized. S. J. Hetzel. 2,545,811, Mar. 20.
Portable collapsible ironing board. A. P. Lants. 2,545,475, Mar. 20.
Portable typewriter carrying case. E. E. Mogenson. 2,545,742, Mar. 20.
Power plant, Multiple engine. E. Ginn. 2,545,458, Mar. 20.
Power transmission device. D. G. Roos. 2,545,795, Mar. 20.
Power transmission mechanism, Epicyclic. E. J. de Normanville. 2,546,091, Mar. 20.
Press: *See*—
Metalworking power press.
Presser foot for sewing machines, Edge stitching. F. Vanadia and C. Rosetto. 2,545,980, Mar. 20.
Pressure reducing valve. C. B. Leach. 2,545,787, Mar. 20.
Price ticket. H. S. Owen. 2,546,012, Mar. 20.
Printing and punching means for accounting machines. O. J. Sundstrand. 2,545,636, Mar. 20.
Process and apparatus for catalytic conversion of hydrocarbons. G. G. Oberfell and G. N. Cade. 2,546,042, Mar. 20.
Projectile game goal, Aerial. F. J. Hatley. 2,545,615, Mar. 20.
Projectile, Rocket. F. Short. 2,545,496, Mar. 20.
Projection apparatus, Fashion previewing. A. D. Scott. 2,545,675, Mar. 20.
Propeller and rudder mount for boats, Steering. A. C. Troester. 2,545,502, Mar. 20.
Puller: *See*—
Railroad tie puller.
Pulse group discriminator. C. H. Hoeppner and C. H. Smith, Jr. 2,545,464, Mar. 20.
Pulsed echo sounder and like subaqueous distance measuring apparatus. T. Gray. 2,545,922, Mar. 20.
Pump. F. C. Byram. 2,545,604, Mar. 20.
Pump. E. Orshansky, Jr. 2,545,929, Mar. 20.
Pump. R. A. Walsh. 2,545,506, Mar. 20.
Pump and motor unit for aircraft fuel systems, Multiple. P. J. Lansing. 2,546,034, Mar. 20.
Pump for gas turbines, Temperature controlled. A. W. Orr, Jr. 2,545,856, Mar. 20.
Pumping apparatus. E. Crewdson. 2,546,089, Mar. 20.
Pumping system and primer therefor. J. L. Bovee, Jr. and E. M. Deters. 2,545,915, Mar. 20.
Purifying citrus juices. W. R. Ketchum. 2,545,581, Mar. 20.
Push button, Plate. W. W. Brockway. 2,546,086, Mar. 20.
Quick-acting clamp. H. D. Houghton and T. A. Woolsey. 2,546,098, Mar. 20.
Rack. J. J. Graham. 2,545,996, Mar. 20.
Racket. J. N. Tynan and G. K. Geerlings. 2,546,140, Mar. 20.
Radar navigation apparatus, Delayed pulse. F. C. Thompson. 2,545,754, Mar. 20.
Radio apparatus. R. H. Hagopian. 2,545,997, Mar. 20.
Radio apparatus construction. D. M. King. 2,545,959, Mar. 20.
Radio communication system. J. R. Brinkley. 2,545,511, Mar. 20.
Radio communication system, Noninterceptive. B. S. Parker. 2,545,894, Mar. 20.
Radio system. M. Kline. 2,545,472, Mar. 20.
Radio transmitter with hum compensating means. S. Breimer. 2,546,025, Mar. 20.
Rail, Escalator hand. W. F. Masek. 2,545,741, Mar. 20.
Railroad tie puller. E. C. Johnson. 2,545,783, Mar. 20.
Railway sleeping car room arrangement. M. Watter. 2,546,134, Mar. 20.
Rake, Rotary side delivery. C. L. Conner. 2,545,723, Mar. 20.
Razor with concave upper cap face, Safety. E. A. Stewart. 2,545,533, Mar. 20.
Receiver with revertive signaling, Coded-signal. A. Eliett. and M. M. Hubbard. 2,545,770, Mar. 20.
Receptacle: *See*—
Stacking receptacle.
Receptacle with safety closure, Electrical. C. T. Von Holtz. 2,545,536, Mar. 20.
Reclaiming scrap of synthetic and natural rubbers. R. L. Randall. 2,545,828, Mar. 20.
Record strip magazine and mounting. F. H. M. Hart. 2,546,124, Mar. 20.
Recorder and reproducer, Phonograph. C. W. Dann and R. M. Somers. 2,545,652, Mar. 20.
Recovery of oxygenated compounds. A. F. MacLean. 2,545,889, Mar. 20.
Rectifier, Alternating current. R. G. Sell and R. H. Cubitt. 2,545,863, Mar. 20.
Reducing refractory oxides. T. Lindsley and P. P. Alexander. 2,545,821, Mar. 20.
Reed for circular looms. H. Slowak. 2,545,593, Mar. 20.
Reed holder. C. Bartlett. 2,545,599, Mar. 20.
Reel drive mechanism for motion-picture projectors. J. J. Kuehn. 2,545,960, Mar. 20.
Regeneration of alumina-chromia catalyst. G. H. Hanson. 2,546,031, Mar. 20.
Regulating system. J. Moir and W. S. Graff-Baker. 2,546,039, Mar. 20.
Regulator: *See*—
Oxygen demand pressure breathing regulator.
Welding current regulator.
Relay. J. M. Wilson and S. W. Nickells. 2,545,835, Mar. 20.

Relay for alternating current, Protective. G. C. Armstrong. 2,545,984, Mar. 20.
Relay for transmission lines, Protective. J. L. Blackburn. 2,545,987, Mar. 20.
Relay, Polarized protective. S. L. Goldsborough. 2,545,993, Mar. 20.
Resilient seat. K. L. Emberson. 2,545,513, Mar. 20.
Resin-forming reaction of phenol, aldehyde, and amine in presence of polyhalophenol. C. E. Gleim. 2,545,692, Mar. 20.
Resin treatment of wool fabric. J. N. Dalton and W. B. Kaupin. 2,545,450, Mar. 20.
Reversing control for dynamoelectric machines. S. S. Wolff and S. Witt. 2,545,639, Mar. 20.
Rivet. W. W. Singleton. 2,545,752, Mar. 20.
Rod: *See*—
Folding ice fishing rod.
Roller with replaceable cylinder, Paint. C. R. MacKey. 2,545,700, Mar. 20.
Roof of large span. H. M. Pont. 2,545,556, Mar. 20.
Rotary pneumatic tool. F. P. Forss. 2,545,453, Mar. 20.
Rotatable bird, including rotatable wings, Ornamental. J. J. Wrazen. 2,545,801, Mar. 20.
Rubber compositions containing a chlorinated wax and a metal carbonate, Flame resistant. W. C. Smith. 2,45,977, Mar. 20.
Rubbing machine, Portable. S. A. Crosby and P. Zasadny. 2,545,942, Mar. 20.
Safety control for machines. N. A. L. Gulli and B. V. Malmberg. 2,545,549, Mar. 20.
Sales demonstrator for rotatable shelves. P. H. Frick. 2,545,455, Mar. 20.
Sales demonstrator for rotatable shelves, Foldable. P. H. Frick. 2,545,456, Mar. 20.
Scale, Flexure plate. M. A. Weckerly. 2,545,908, Mar. 20.
Scale, Hydrostatic weighing. A. F. Jackson. 2,545,923, Mar. 20.
Scoop, Arm. C. E. Spang. 2,546,113, Mar. 20.
Scraper, Tractor-drawn. C. H. Martin. 2,545,739, Mar. 20.
Scraping machine. C. L. Posey. 2,545,827, Mar. 20.
Screen and slatted blind for windows, Combination. F. C. Ribley. 2,545,631, Mar. 20.
Seal and water inlet for charging and discharging chutes of truck mixers. K. Meisenburg. 2,545,485, Mar. 20.
Sealing closure. C. P. Krupp. 2,545,817, Mar. 20.
Seat: *See*—
Auxiliary stadium seat.
Folding toilet seat.
Resilient seat.
Seat back and armrest structure, Reversible. R. L. Edwards. 2,545,608, Mar. 20.
Seat cover. A. Puchalsky. 2,546,109, Mar. 20.
Seat spring structure. J. L. Alpert. 2,545,721, Mar. 20.
Selector valve. J. T. Obecny. 2,545,529, Mar. 20.
Series-capacitor protective system. R. E. Marbury and J. R. Owens. 2,546,008, Mar. 20.
Service unit for hot foods. A. J. Murray. 2,545,528, Mar. 20.
Sewing attachment, Hat sweat. O. B. Reid. 2,546,135, Mar. 20.
Sewing machine attachment, Zigzag. A. Gellman and S. Diesenhaus. 2,545,658, Mar. 20.
Shaft coupling. F. A. Thiel, Jr. 2,545,562, Mar. 20.
Shape cutting machine. H. W. and L. R. West. 2,546,116, Mar. 20.
Sharpener, Electric pencil. R. R. Harrison. 2,545,779, Mar. 20.
Sheathing electric conductors. M. Descarsin. 2,545,877, Mar. 20.
Sheet folding machine. R. L. Sjostrom. 2,545,798, Mar. 20.
Sheet metal forming mechanism. D. R. Taylor. 2,545,904, Mar. 20.
Shelf, Clinker. I. L. and J. Meilleur. 2,545,825, Mar. 20.
Shield for prongs of electric plugs. J. W. Brown. 2,545,762, Mar. 20.
Ship model display, Ornamental. N. P. Rosenberg. 2,545,706, Mar. 20.
Shock absorber. E. E. Wallace. 2,545,833, Mar. 20.
Shock absorber. R. H. Whisler, Jr. 2,546,051, Mar. 20.
Shock absorber construction. B. D. McIntyre, C. J. Smith, and J. Dutton. 2,546,038, Mar. 20.
Shoe heel. J. D. Kells. 2,545,519, Mar. 20.
Shoe, Pipe coating. L. Perrault. 2,545,792, Mar. 20.
Shoe sole conditioning machine. J. H. Kelly and H. H. Teal. 2,545,471, Mar. 20.
Shower curtain support. M. C. Byrne. 2,545,648, Mar. 20.
Shutoff device, Automatic water. G. K. and M. M. Martin. 2,545,928, Mar. 20.
Silencer and pressure reducer with plural valved outlets, Exhaust gas. D. J. Bergman. 2,545,682, Mar. 20.
Skein holder. E. L. Nell. 2,545,744, Mar. 20.
Ski binding, Releasable. G. L. French. 2,545,574, Mar. 20.
Ski, Wheeled. D. H. Bottrill. 2,545,543, Mar. 20.
Sleeping car. J. W. Patton. 2,546,133, Mar. 20.
Sleeve closure. G. A. Bodin and H. C. Seidl. 2,546,057, Mar. 20.
Sliding clasp fastener. G. H. C. Corner. 2,546,088, Mar. 20.
Slip actuator for rotary drilling machines. G. W. Moore. 2,545,627, Mar. 20.
Snap acting device. C. M. Christensen. 2,545,765, Mar. 20.
Snowplow, Rotary. A. T. Kear. 2,545,470, Mar. 20.
Snuffer structure for cigarette lighters. R. D. Lloyd. 2,546,128, Mar. 20.
Socket and switch, Incandescent lamp. H. C. Robertson. 2,545,860, Mar. 20.
Socket contact with resilient inserts. P. de Beauvais. 2,546,061, Mar. 20.
Soil working element, Rotary. O. G. A. and A. G. B. Settergren. 2,545,590, Mar. 20.
Solvent extraction apparatus. C. W. Bilbe. 2,545,938, Mar. 20.
Sound reproducer having two styli, Magnetic. N. C. Pickering. 2,545,859, Mar. 20.
Spark plug. B. C. Fisher. 2,545,546, Mar. 20.
Spark plug electrode. M. J. Stumbock and R. Bayes. 2,545,438, Mar. 20.
Spectacles. L. S. La Bard. 2,545,583, Mar. 20.
Spider for lawn mower reels. R. S. Kinkead. 2,545,520, Mar. 20.
Spindle, Automatic record changer. E. C. Guedon. 2,545,847, Mar. 20.
Spinning machine, Container. J. R. Baumgartner and J. G. Bell. 2,545,912, Mar. 20.
Spout, Collapsible dispensing. W. Wilkins. 2,546,052, Mar. 20.
Spray head for fluid receptacles. L. M. Cooper. 2,545,991, Mar. 20.
Spraying device. E. O. Norris. 2,545,486–90, Mar. 20.
Sprinkler head. C. M. Boroughs. 2,546,120, Mar. 20.
Stacking receptacle. W. F. Best. 2,545,758, Mar. 20.
Stamping machine, Pneumatic die. T. A. Triplett and C. K. Greene. 2,546,114, Mar. 20.
Station selecting and tuning device for radio receivers, Automatic. J. Lolli and G. Papitto. 2,545,553, Mar. 20.
Steam distributing system for locomotives. J. T. Snoren. 2,546,112, Mar. 20.
Stems for electric lamps, Making. R. L. Breadner and C. H. Simms. 2,545,873, Mar. 20.
Stereoscopic apparatus. C. W. Hough. 2,545,465, Mar. 20.
Stirrer. R. A. McDonald. 2,545,824, Mar. 20.
Stock cutting dowel forming tool. A. Samsky. 2,545,931, Mar. 20.
Stop for regulating strokes of fluid pressure apparatus, Controllable. E. H. Fletcher. 2,545,573, Mar. 20.
Storm window. H. R. Sugar. 2,545,901, Mar. 20.
Storm window, Metal. H. R. Sugar. 2,545,902, Mar. 20.
Strainer, Insertable. W. G. Miller. 2,545,789, Mar. 20.
Streptomycin-resistant strains of streptomyces griseus, Production of. L. E. McDaniel and A. B. Hodges. 2,545,554, Mar. 20.
Streptomycin with a new actinomyces griseus mutant, Production of. E. L. Dulaney. 2,545,572, Mar. 20.
Sulfanilylthiourea, Preparation of. P. Charpentier. 2,545,764, Mar. 20.
Sulfonamide resins. R. B. Thompson. 2,545,716, Mar. 20.
Sulfur-containing compounds of neptunium and their preparation. S. Fried and N. R. Davidson. 2,545,612, Mar. 20.
Supply system for liquid substances. R. T. Chatterton. 2,545,445, Mar. 20.
Support: *See*—
Alignment device support.
Hearing aid support.
Shower curtain support.
Support for ironing tables, Self-leveling. H. F. Hild. 2,546,097, Mar. 20.
Support for rearview mirrors. H. L. Hardin. 2,547,777, Mar. 20.
Supported electrode metal radio tube. A. Binneweg, Jr. 2,545,759, Mar. 20.
Supporting member for pull chain switches. B. Schoenberg. 2,545,973, Mar. 20.
Suspension device for vehicles. M. F. A. Julien. 2,545,956, Mar. 20.
Suspension unit for overhead swinging doors. A. C. D'Alfonso. 2,546,060, Mar. 20.
Swing. V. E. Charn. 2,545,571, Mar. 20.
Switch: *See*—
Electric switch.
Fire alarm switch.
Master switch.
Mechanically operated switch.
Switch. J. Gouffon. 2,545,548, Mar. 20.
Switch for machine tools or the like, Manually operated control. C. W. Berthies. 2,545,837, Mar. 20.
Switching system, Burglar alarm. J. T. Dooley. 2,545,727, Mar. 20.
Swivel chair iron. M. Fox. 2,545,950, Mar. 20.
System for separation of argon from air. P. E. Haynes. 2,545,462, Mar. 20.
Table for office appliances, Vertically adjustable. W. K. Gannett and G. M. Mast. 2,545,515, Mar. 20.
Tag. M. L. Wall. 2,545,505, Mar. 20.
Tailstock, Hydraulically operated. R. Kurzweil and J. J. Pesqueira. 2,545,852, Mar. 20.
Tank: *See*—
Nestable fuel tank.
Taper tap. V. E. and H. K. Gleasman. 2,546,066, Mar. 20.
Tapered roller bearing. D. McNicoll. 2,545,969, Mar. 20.
Tapping device for liquid-containing vessels. G. Lamoureux. 2,545,620, Mar. 20.

Telephone installation, Loud-speaker. P. Jeanlin. 2,545,466, Mar. 20.
Telephone installation, Two-way loud-speaker. P. Jeanlin. 2,545,467, Mar. 20.
Telephone installation using a single line. J. Levy. 2,545,478, Mar. 20.
Telephone intercommunication system, Loud-speaker. J. Levy. 2,545,476, Mar. 20.
Telephone system, Relay automatic. J. H. Voss. 2,546,080, Mar. 20.
Television pickup system, Color. R. D. Kell. 2,545,957, Mar. 20.
Television pickup tube. P. K. Weimer. 2,545,982, Mar. 20.
Television projection system, Schmidt. I. G. Maloff. 2,545,524, Mar. 20.
Tent construction. W. E. Trombley. 2,545,535, Mar. 20.
Terminal construction for fuses and the like. S. I. Lindell. 2,546,074, Mar. 20.
Testing machine for determining the mechanical behavior of metals under test. M. J. Manjoine and E. A. Davis. 2,545,482, Mar. 20.
Testing subterranean formations. B. W. Sewell. 2,545,975, Mar. 20.
Thermal control. A. J. Huck and C. D. Visos. 2,545,662, Mar. 20.
3-nitro-4-amino-thiophanes. C. Grob. 2,545,434, Mar. 20.
3-nitro-4-hydroxy-thiophanes. C. Grob. 2,545,433, Mar. 20.
Throttle control apparatus, Fluid pressure. A. J. Bent. 2,545,509, Mar. 20.
Tie rod for concrete forms. F. D. Parmenter. 2,546,043, Mar. 20.
Timer mechanism. M. H. Kaefer and E. S. Bassett. 2,545,617, Mar. 20.
Timer mounting. R. C. Darnell. 2,546,090, Mar. 20.
Timing mechanism. R. Wedeberg. 2,545,719, Mar. 20.
Tire bead and retaining ring tool. C. W. Martin. 2,545,483, Mar. 20.
Toilet seat cover. R. Liebling. 2,545,436, Mar. 20.
Tool: *See*—
- Diamond impregnated dressing tool.
- Gardener's tool.
- Internal-combustion percussive tool.
- Internal grooving and reaming tool.
- Knurling tool.
- Rotary pneumatic tool.
- Stock cutting dowel forming tool.
- Tire bead and retaining ring tool.

Tool assembly for placing and holding locking members on valve stems. E. B. McSherry. 2,546,010, Mar. 20.
Tool for cutting dentures. F. M. Knapik. 2,545,521, Mar. 20.
Tool handle and blade linkage, Cutting. M. Kosik. 2,546,073, Mar. 20.
Top with agitator for powder cans, Rotatable perforated. J. J. Mackert. 2,545,624, Mar. 20.
Torque converter. H. Ernst. 2,546,062, Mar. 20.
Torque indicator. A. B. Chudyk. 2,545,650, Mar. 20.
Tower bubble cap tray, Fractionating. L. W. T. Cummings. 2,545,651, Mar. 20.
Toy, Animated smoke emitting. A. Goldfarb. 2,546,123, Mar. 20.
Toy, Coaster. F. J. Scharkopf. 2,545,972, Mar. 20.
Toy jet vehicle. M. J. Pollak. 2,545,586, Mar. 20.
Tractor chain. W. F. Langenfeld. 2,545,887, Mar. 20.
Tractor, Hand guided. F. Hesterberg. 2,545,781, Mar. 20.
Tractor winch. W. D. Parmenter. 2,545,895, Mar. 20.
Trailer and tractor hitch, Heavy-duty. R. L. Meadows. 2,545,584, Mar. 20.
Transmission. C. Gerst. 2,546,063–4, Mar. 20.
Transuranic metal halides and the production thereof. S. Fried. 2,545,920, Mar. 20.
Trap: *See*—
- Ant trap.
- Hydraulic dust trap.

Traveler and brace for worms. H. C. Frentzel. 2,545,879, Mar. 20.
Treating tires. W. F. R. Briscoe and R. B. Plummer. 2,546,085, Mar. 20.
Trestle leg and hinge bracket. C. E. Dalton. 2,545,767, Mar. 20.
Trough, Hog watering. A. A. Mickalek. 2,545,967, Mar. 20.
Truck, Hand. J. M. Barber. 2,545,440, Mar. 20.
Truck, Railway car. C. B. Shaw. 2,545,591, Mar. 20.
Tube: *See*—
- Color television tube.
- Electron beam vacuum tube.
- Supported electrode metal radio tube.
- Television pickup tube.

Tube winding and extruding key, Collapsible. A. A. Gonsales. 2,545,773, Mar. 20.
Tuning apparatus. L. H. Zepp and J. W. Hayward. 2,545,681, Mar. 20.
Turning device, Page. B. Bles. 2,545,839, Mar. 20.
2-[N-(b-dimethylaminomethyl)-N-(4-methoxybenzyl)-amino]-thiazole and making same. C. W. Sondern and P. J. Breivogel. 2,545,498, Mar. 20.
Two-way telephone trunk circuit. H. E. Grimes. 2,546,067, Mar. 20.
Umbrella. G. C. Jamison and H. A. Wagg. 2,546,099, Mar. 20.
Undergarment, Lady's. M. C. Morin. 2,545,743, Mar. 20.
Universal joint. J. W. Blinkman. 2,545,646, Mar. 20.
Unloading valve. R. Stevenson. 2,545,712, Mar. 20.
Unwoven flexible fabric. E. R. Goldman. 2,545,952, Mar. 20.
Upholstery retainer strip. M. C. Weaver and F. D. Leonard. 2,546,050, Mar. 20.
Vacuum cap remover, Pry type. J. J. McGuinness. 2,546,037, Mar. 20.
Valve: *See*—
- Fluid control valve.
- Pressure reducing valve.
- Selector valve.
- Unloading valve.

Valve. J. V. Westbrook. 2,545,834, Mar. 20.
Valve actuating mechanism. F. E. Sanborn. 2,545,632, Mar. 20.
Valve control for water heaters, Thermostatic. P. E. Parkinson. 2,545,748, Mar. 20.
Valve silencer, Tappet. R. E. Randolph. 2,545,750, Mar. 20.
Variable tread wheel. C. L. Eksergian. 2,545,943, Mar. 20.
Varnish applicator mechanism for sheet varnishers. E. W. and F. R. Belluche. 2,545,539, Mar. 20.
Vat dye and intermediate. W. Schmidt-Nickels. 2,546,139, Mar. 20.
Vehicle: *See*—
- Bulk granular material transporting vehicle.
- Passenger vehicle.
- Toy jet vehicle.

Vending machine, Multibeverage. J. H. Goldberg. 2,545,614, Mar. 20.
Venetian blind. R. Bruner. 2,545,568, Mar. 20.
Verifying device. C. C. Leatherman. 2,545,819, Mar. 20.
Vibrato system. J. F. Jordan. 2,545,469, Mar. 20.
Vinyl resin sulfurized furfuraldehyde reaction products, Preparing. M. T. Harvey. 2,545,461, Mar. 20.
Vortex gun. J. M. Novak. 2,545,893, Mar. 20.
Vulcanization of rubber. B. C. Barton. 2,546,083, Mar. 20.
Warmer, Food. J. MacGregor. 2,546,104, Mar. 20.
Watering system for agricultural, horticultural, and such like purposes. R. W. Newton. 2,545,745, Mar. 20.
Weft tension for loom shuttles, Balanced. R. G. Turner. 2,545,934, Mar. 20.
Welding current regulator. E. C. Hartwig. 2,545,998, Mar. 20.
Wheel: *See*—
- Variable tread wheel.

Winch construction. N. Gabel. 2,545,613, Mar. 20.
Wind stop or sealing strip. M. C. Weaver and F. D. Leonard. 2,546,049, Mar. 20.
Winding machine. J. A. Truitt. 2,545,534, Mar. 20.
Window. A. Lamonde. 2,545,785, Mar. 20.
Window guard. A. T. Hamilton. 2,545,776, Mar. 20.
Window lock. W. M. Blakely. 2,545,645, Mar. 20.
Window wiper, Vehicle. S. A. Davis. 2,545,768, Mar. 20.
Wood product and making same, Paper-covered. R. J. Byers and M. B. Christian. 2,545,603, Mar. 20.
X-ray picture seriating device, Multiple. J. G. Sobá. 2,545,899, Mar. 20.
Zinc ethylene bis-dithiocarbamate fungicidal powder, Flame-resistant. A. L. Flenner. 2,545,948, Mar. 20.

CLASSIFICATION OF PATENTS

ISSUED MARCH 20, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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236— 10: 2,545,616
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230:	2,545,784		2,545,895	250:	2,545,786	266— 23:	2,545,666	290— 8:	2,546,023	246:	2,545,759
279:	2,545,777	187:	2,545,594		2,545,962		2,546,116	50:	2,545,688	268:	2,545,867
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	2,545,973	23:	2,545,627	306.8:	2,545,498	268— 74:	2,545,775	294— 1:	2,546,113	11:	2,545,982
250— 6:	2,545,511	45:	2,546,107	309.2:	2,545,687	96:	2,545,874	7:	2,545,794	24:	2,546,065
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17:	2,545,544	257— 2:	2,545,966	332.2:	2,545,433	84:	2,545,798		2,545,487	356:	2,545,989
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33.65:	Re.23,346	17.2:	2,545,446	448.2:	2,545,780		2,546,136	131:	2,546,120		2,546,106
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE : 0—1951

Condition of Applications Under Examination at Close of Business March 2, 1951

Total number of patent applications awaiting action, 117,753. Date of oldest new application, March 6, 1950; date of oldest amended application, March 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M. (no classes)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	3-30-50	3-28-50	2699
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-28-50	4-20-50	1776
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	6-22-50	6-13-50	1594
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-9-50	3-6-50	2105
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-6-50	6-6-50	1655
6. SURLE, H., Carbon Chemistry (part)	5-10-50	5-23-50	1759
7. GONSALVES, J. E., Optics; Photography (part)	8-5-50	8-2-50	1170
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	3-30-50	3-27-50	2190
9. BENSON, R. B., Pumps and Fans: Fluid Motors	4-4-50	3-14-50	1517
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo electric Crystals.	3-27-50	3-21-50	1303
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	3-21-50	3-20-50	1355
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-1-50	5-8-50	1337
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	3-31-50	3-28-50	1515
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-10-50	4-11-50	1558
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-7-50	7-10-50	1153
16. LOVEWELL, N. N., Television; Telephony	5-20-50	5-1-50	1177
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-13-50	3-10-50	2189
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-7-50	3-6-50	1643
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-3-50	4-1-50	1348
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	3-29-50	3-25-50	1777
21. MADER, R. C., Textiles; Package and Article Carriers	3-14-50	3-15-50	1796
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	3-31-50	3-27-50	1279
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-6-50	3-9-50	861
24. DRACOPOULOS, P. T. (Acting), Apparel; Apparel Apparatus; Sewing Machines	7-13-50	7-6-50	1579
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-5-50	6-5-50	1544
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-6-50	4-1 50	1302
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	4-27-50	4-25-50	2211
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-4-50	3-29-50	1540
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	5-9-50	5-16-50	2149
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	7-3-50	7-3-50	1964
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-9-50	5-17-50	2085
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-10-50	5-5-50	1453
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-50	4-21-50	2054
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist Line Implements.	4-5-50	3-30-50	1604
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	4-5-50	4-11-50	1787
36. McFADYEN, A. D., Measuring and Testing: Automatic Weighers; Weighing Scales	3-6-50	3-8-50	1729
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-2-50	5-3-50	1333
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	6-5-50	6-15-50	1233
39. WHITNEY, F. I., Fluid Pressure Regulators; Valves, Water Distribution	3-16-50	3-15-50	2771
40. DRUMMOND, E. J., Receptacles (part); Packages	4-28-50	4-5-50	3100
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-1-50	4-1-50	1586

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 117,753. Date of oldest new application, March 6, 1950; date of oldest amended application, March 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	5-10-50	4-25-50	2087
43. ASP, NOGI A. (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-2-50	6-17-50	1029
44. HARVEY, L. P., Beds; Chairs, Seats	3-24-50	3-24-50	1662
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-5-50	4-15-50	1804
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (doors, windows, awnings and shutters); Kitchen and Table Articles.	3-20-50	3-15-50	1349
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	4-25-50	4-20-50	1664
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	6-21-50	4-11-50	1096
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-12-50	4-7-50	1620
50. LEVIN, SAMUEL, Synthetic Resins	8-4-50	6-30-50	1470
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-13-50	4-7-50	1498
52. POPPE, W. A. (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-18-50	3-24-50	3088
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	3-7-50	3-16-50	1040
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-21-50	4-8-50	1710
55. KLINE, J. R. (Acting), Artificial Body Members; Dentistry; Surgery; Toilet	6-22-50	4-26-50	1158
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-1-50	5-31-50	1773
57. MILLER, A. R., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-2-50	7-10-50	1224
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-2-50	3-29-50	1365
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	5-29-50	5-17-50	1236
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	5-6-50	1277
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	3-17-50	4-12-50	1828
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-20-50	3-29-50	2248
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	6-15-50	7-1-50	1546
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and miscellaneous.	8-1-50	7-28-50	1775
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	6-10-50	6-8-50	1685
66. LISANN, L., Geometrical Instruments	5-3-50	4-19-50	990
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	6-3-50	6-19-50	1454
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	5-17-50	5-26-50	1655
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-13-50	3-13-50	1584
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-9-50	3-9-50	1984
DESIGNS: BREHM, G. L.	11-21-50	11-29-50	2074

Total number of trade-mark applications awaiting action (including renewals and republications), 22,775. Date of oldest new application, June 5, 1950; date of oldest amended application, June 5, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	6-22-50	6-7-50	6547
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	6-13-50	6-19-50	4003
Renewals (All Classes)	12-29-50	1-31-51	362
Republications (All Classes)	1-9-51	1-31-51	142
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-10-50	6-3-50	6098
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-5-50	6-5-50	5623

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LYNDALE FARM

No. 5736. Decided January 16, 1951

[— F.2d —; —USPQ —]

1. TRADE-MARK ACT OF 1946 CONSTRUED—DISTINCTION BETWEEN TRADE-MARKS AND TRADE NAMES NOT DISSOLVED.

Although section 15 (15 U. S. C. 1065) of the Trade-Mark Act of 1946 includes the proviso "no incontestable right shall be acquired in a mark *or trade name* which is the common descriptive name of any article . . .", *Held* that the distinction between trade-marks and trade names has been so well and so long established that it would not be proper to attribute to Congress the intention to dissolve the distinction merely on the strength of the possible inference contained in that section of the act.

2. SAME—SAME—REGISTRATION OF TRADE NAMES ON PRINCIPAL REGISTER NOT PERMITTED.

Held that it is certain that there is no provision in the Trade-Mark Act of 1946 permitting registration on the Principal Register of trade names as such.

3. SAME—SAME—AFFIXATION OF NAME TO TRANSPORTATION CONTAINER.

Held that the "use in commerce" and "trade-mark usage" definitions in section 45 of the Trade-Mark Act of 1946 do not establish a rule that affixation of a name to any container in which goods are placed at any stage of the transportation or marketing process is trade-mark usage in commerce, and the requirement in the statute is not satisfied by affixation to a container the nature of which is such that its use in the phase itself is at an end.

4. SAME—REGISTRABILITY—"LYNDALE FARM."

Held that the denial of registration of "Lyndale Farm" on the Principal Register because of failure to show trade-mark usage was proper.

APPEAL from Patent Office. T. M. Serial No. 498,237.

AFFIRMED.

Clarence A. O'Brien & Harvey B. Jacobson (*John H. Lewis, Jr.*, of counsel) for appellant.

E. L. Reynolds (*W. J. Derenberg* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

Lyndale Farm is a partnership in the business of breeding cattle at Floydada, Texas. It applied in September 1947 to the United States Patent Office for entry of the words "Lyndale Farm" upon the Principal Register under the Trade-Mark Act of 1946, hereinafter more particularly described, as a trade-mark for live cattle. The firm alleged use of the mark in commerce beginning in September 1940 and stated that it was "applied to the crates in which the cattle are shipped by means of labels or tags on which the mark is shown." The specimen submitted to show actual use is a photograph of a crate, sufficiently large to enclose a cow or steer, to which is affixed a placard, "Lyndale Farm, Floydada, Texas."

The Examiner of Trade-Marks refused registration of the words "Lyndale Farm" on the ground that they are merely a trade name and lack the essential characteristics of a trade-mark. The firm promptly appealed to the Commissioner of Patents alleging that "Lyndale Farm" functions both as a trade name and a trade-mark. The Examiner's Statement, prepared by the Head of Trade-Mark Operations in the Patent Office, in response to the appeal, based the refusal to register on two grounds; viz., that the mark is primarily geographically descriptive, and that it is used merely as a trade name. The first ground was held to be ruled by *In re Lamson & Co.*, 30 CCPA (Patents) 1030, 135 F.2d 1021, 51 USPQ 230, 553 O. G. 769. The second ground was premised upon the manner of use, the mark appearing to the Examiner to be used on the crate as a shipping tag, merely "informing the outside world of the location and name of the farm from which the cattle originates."

The Assistant Commissioner of Patents in a well reasoned opinion, 80 USPQ 45, agreed with appellant that the Lanham Act does not forbid registration of a trade-mark otherwise eligible merely because it is also a firm or trade name in whole or part, but observed that if such words are to qualify for registration it is necessary that their use be such as to identify the goods rather than the manufacturer or his location. The Assistant Commissioner thought that the cattle crate placard served merely to inform "the outside world of the location and name of the farm," and held that as so used the mark sought to be registered functioned not as a trade-mark but as a trade name and could not be entered on the Principal Register. He also concluded that the mark is unregistrable because primarily geographically descriptive.

Lyndale Farm by its counsel has appealed to this court from the decision of the Assistant Commissioner, 15 U. S. C. 1071; R. S. 4911, 35 U. S. C. 59a; 28 U. S. C. 1542. There thus comes before us the first appeal arising on an application for registra-

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tion filed in the Patent Office subsequent to the effective date of the Lanham Act.[1]

On behalf of the appellant it is asserted that "Lyndale Farm" functions in a dual capacity, as both a trade-mark and a trade name. Appearing on the placard placed on the side of the shipping crate, "Lyndale Farm" is said by appellant to "serve 'to identify his goods and distinguish them from those . . . sold by others,'" satisfying thereby the definition contained in Sec. 45 of the Lanham Act: "The term 'trade-mark' includes any word, name, symbol, or device or any combination thereof adopted and used by a manufacturer or merchant to identify his goods and distinguish them from those manufactured or sold by others." The words "Floydada, Texas" also appearing on the placard, appellant thinks, do not detract from the trade-mark significance of "Lyndale Farm" but merely designate the location of the mark's owner. Thus it is, appellant states, that "Lyndale Farm" identifies its user's goods as well as indicating its business name, and functions in the dual capacity of trade-mark and trade name.[2]

On behalf of the Commissioner of Patents it is urged here that the use of "Lyndale Farm" with "Floydada, Texas" is the commercial use of a business name, and is not a trade-mark use, though counsel does not dispute that under some circumstances a name may be used both as a trade-mark and a trade name. It is advanced, however, that in this case the words "Lyndale Farm" do not identify a brand of cattle but merely serve as a shipping tag to state the location of the business whence the cattle originate.

Sections 1 and 2 of the Lanham Act (15 U. S. C., sections 1051 and 1052) specify that it is "trade-marks" which are registrable on the Principal Register, while sections 3 and 4 (15 U. S. C., sections 1053 and 1054) permit the registration of service marks, collective marks, and certification marks in the same manner and effect as trade-marks and with entitlement to the same protection as the act accords trade-marks, though the Commissioner is authorized to establish a separate register for such marks. Section 7(b) of the act (15 U. S. C. 1057b) accords to the certificate of registration of marks registered on the Principal Register prima facie evidence of valid registration, ownership in the registrant, and his exclusive right to use the mark in commerce on specified goods or services. Section 15 (15 U. S. C. 1065) adds the important feature of incontestability of right to use a mark which has been in continuous use for five consecutive years following the date of registration, subject to four provisos, the fourth of which states that "no incontestable right shall be acquired in a mark *or trade name* which is the common descriptive name of any article . . ." [Emphasis supplied.] Since incontestability is only conferred upon marks registered on the Principal Register, the mention of "trade name" in the above proviso may be thought to supply an inference that trade names are registrable as such on the principal register.[3] Section 23 of the act (15 U. S. C. 1091) provides for a Supplemental Register upon which marks and names capable of distinguishing an applicant's goods or services and not registrable on the Principal Register may be registered. Such marks by section 26 (15 U. S. C. 1094) are not eligible for many of the procedural and substantive benefits conferred by the act upon marks registered on the Principal Register. Section 32 (1) of the act (15 U. S. C. 1114 (1)) provides for a civil action by the registrant against one who infringes a registered mark, and section 33 (15 U. S. C. 1115a) makes the Certificate of Registration of any mark registered on the Principal Register prima facie evidence in such an action of the registrant's exclusive right to use the mark in commerce on the specified goods or services, and conclusive evidence of that right if the mark has become incontestable under section 15 (15 U. S. C. 1065) of the act. The conclusive evidentiary nature of the certificate of an incontestable mark is, however, subject to seven special defenses. Section 39 (15 U. S. C. 1121) confers jurisdiction upon the Federal courts of all actions arising under the act regardless of the amount in controversy or the presence or lack of diversity of citizenship of the parties.

Section 44(b) of the act (15 U. S. C. 1126b) entitles persons who are nationals, domiciliaries, or doing business in any foreign country a party to conventions or treaties relating to trade-marks, trade names, or unfair competition to which the United States is a party, to the benefits of the Lanham Act so far as required to give effect to the conventions or treaties. Sections 44 c, d, e, and f (15 U. S. C., sections 1126 c, d, e, and f) provide for the registration by persons identified by section 44(b) (15 U. S. C. 1126b) of their marks on the Principal and Supplemental Registers. Section 44(g) (15 U. S. C. 1126g) relates to trade names owned by such persons and states that they "shall be protected without the obligation of filing or registration whether or not they form parts of marks." Section 44(h) (15 U. S. C. 1126h) makes available to such persons the remedies specified in the act for infringement of marks in protecting those persons against unfair competition. Section 44(i) (15 U. S. C. 1126i) confers upon United States citizens or residents the same benefits granted the persons identified by section 44(b) (15 U. S. C. 1126b). Thus it is that a Federal cause of action exists in behalf of a United States citizen or resident whose trade name is unfairly used in a manner affecting commerce whereby the remedies of the Lanham Act provided for the infringement of registered marks are made available in repressing such acts of unfair competition affecting unregistered trade names.[4]

[1] Trade-marks and trade names are distinct legal concepts within the ambit of the law of unfair competition. A trade-mark is fanciful and distinctive, arbitrary and unique.[5] A trade name may be descriptive, generic, geographic, common in a trade sense, personal, firm, or corporate.[6] A trade-mark's function is to identify and distinguish a product, whereas a trade name's function is to identify and distinguish a business.[7] Prior to the Lanham Act[8] the general requirement was that a trade-mark be affixed to the goods it was to identify and distinguish,[9] while it was unnecessary to attach a trade name to merchandise.[10] Trade-marks have traditionally been protected by actions for trade-mark infringement; trade names, by actions to restrain passing-off or unfair competition.[11] The distinction between trade-marks and trade names has been so well and so long established that we would not attribute to Congress the intention to dissolve the distinction merely on the strength of the possible inference contained in the fourth proviso of section 15 of the act. An inference is not a sufficient basis for any conclusion that Congress intended to merge well established and distinct common law concepts.

Section 44(i) of the act (15 U. S. C. 1126i), read in connection with section 44(g) (15 U. S. C. 1126g) and section 44(b) (15 U. S. C. 1126b) confers upon trade names increased protection from acts of unfair competition. The important section 2(f) (15 U. S. C. 1052) would permit inter alia a trade name which has become distinctive of applicant's goods in commerce to be registered on the Principal Register upon a showing of adequate proof of distinctiveness. The instant application was not filed under the provisions of section 2(f). Beyond sections 44(i), (g), (b), and 2(f), we doubt that Congress intended by the Lanham Act to confer any new status upon trade names.[12] [2] Certain it is that there is no provision in the act permitting registration on the Principal Register of trade names as such.[13]

We turn then to a consideration of whether "Lyndale Farm" as used by the appellant is trade-mark use. Appellant relies upon the affixation of the placard "Lyndale Farm, Floydada, Texas" upon the cattle shipping crate to satisfy the section 45 requirement relating to use of a mark in commerce, "placed in any manner on the goods or their containers * * * or on the tags or labels affixed thereto," and the section 45 definition of a trade-mark, "name * * * used by a * * * merchant to identify his goods and distinguish them from those manufactured and sold by others." [3] To come within the purview of the Lanham Act, a mark must not only be used as a trade-mark, but it also must be used as a trade-mark in commerce. The two definitions in section 45 just cited do not establish a rule that affixation of a name to any container in which goods are or may be placed at any stage of the transportation or marketing process is trade-mark usage in commerce. Before "use in commerce" is considered, "trade-mark usage" must be established. Where affixation to goods, as distinguished from use on displays associated with the goods, is relied upon to establish trade-mark use, the affixation required is not satisfied by affixation to a container whose nature in relation to the goods transported is such that its use in the marketing process is ended when the transportation phase itself is at an end. This holding is not contra to our decision in *Barron-Gray Packing Company* v. *Bruce's Juices, Inc.*, 34 CCPA (Patents) 1106, 162 F.2d 217, 74 USPQ 99, 603 O. G. 532, where it was held that a mark affixed to the cartons in which small cans of fruit juice were packed was a sufficient affixation to the goods sought to be identified by the mark where the juices were sold to wholesale and retail distributors by the carton, and it was a matter of common knowledge that such goods are purchased by the case or carton. Cattle are not, to our knowledge, marketed in crates, nor does it affirmatively appear from the record that the name "Lyndale Farm" would come to the attention of wholesale or retail purchasers as identifying the cattle being purchased. As the Restatement of the Law of Torts puts it in Comment *b* to section 718:

[1] Act of July 5, 1946, c. 540, 60 Stat. 427, 15 U. S. C., Sections 1051–1127.

[2] Sec. 45 of the Lanham Act (15 U. S. C. 1127) defines "trade name" as including firm names used *inter alia* by merchants and others to identify their businesses, and names used by firms engaged in trade or commerce.

[3] Derenberg, The Lanham Trade-Mark Act After One Year's Administration, B. N. A., p. 2, n. 5; Derenberg, The Patent Office as Guardian of the Public Interest, 14 Law and Contemp. Problems 288, 291, note 7.

[4] *Stauffer et al.* v. *Exley*, — F.2d —, 87 USPQ 40 (9th Cir.); Diggins, Federal and State Regulation of Trade-Marks, 14 Law and Contemp. Problems 200, 208. See Lunsford, Trade-Marks and Unfair Competition—The Demise of *Erie* v. *Tompkins?*, 40 T. M. R. 169.

[5] 1 Harry D. Nims, Unfair Competition and Trade-Marks (4th Ed.), sections 202, 203.

[6] 2 Callman, Unfair Competition and Trade-Marks (1945), section 66.1; Handler and Pickett, Trade-Marks and Trade Names, 30 Col. L. Rev. 168, at 169.

[7] Robert, The New Trade-Mark Manual, 4; *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 380; Derenberg, Trade Mark Protection and Unfair Trading, section 17, p. 229; 1 Harry D. Nims, op. cit. supra note 5, at section 185, p. 512; Amdur, Trade-Mark Law and Practice (Lanham Act Ed.), section 4.

[8] In Sec. 45 (15 U. S. C. 1127) of the act it is stated: "For the purposes of this act a mark shall be deemed to be used in commerce (*a*) on goods when it is placed in any manner on the goods or their containers or the displays associated therewith or on the tags or labels affixed thereto and the goods are sold or transported in commerce and (*b*) on services when it is used or displayed in the sale or advertising of services and the services are rendered in commerce." See Robert, The New Trade-Mark Manual, pp. 15–16; Amdur, op. cit. supra note 7, at section 13.

[9] Amdur, op. cit. supra note 7, at section 12; 2 Callman, op. cit. supra note 6, at section 98.6.

[10] Handler and Pickett, op. cit. supra note 6, at 759–60.

[11] *Kay Jewelry Co.* v. *Kapiloff*, 204 Ga. 209, 49 S. E. 2d 19.

[12] Derenberg, op. cit. supra note 3, at p. 4; The Report of the Senate Committee on Patents (Senate Report No. 1333, May 14, 1946) published as part of the legislative history of the Lanham Act, U. S. Congressional Code Service, 79th Congress, 2nd Session, 1946, at p. 1274, in speaking of the basic purposes of trade-mark legislation in general, and the purposes of the Lanham Act in particular, consistently refers to "trade-marks" as the subject matter of the legislators' attention. Trade names are neither mentioned nor alluded to by inference. Thus, the report cites as among the objectives of the act, "to simplify trade-mark practice," and "to secure trade-mark owners in the good will which they have built up," and concludes that "national legislation along national lines securing to the owners of trade-marks in interstate commerce definite rights should be enacted and should be enacted now." The entire report is cast in terminology admitting of the conclusion that "trade-marks" in the technical, legal sense of the term were the subject matter of the legislative effort.

[13] Robert, op. cit. supra note 7, at p. 62.

"The designation is not affixed however, under the rule stated in this section,[14] if it is attached only to the container, case or wrapper in which the goods are placed for purposes of transportation or storage only."[15] The appellant's application and exhibit clearly describe and depict only the use of "Lyndale Farm" on a case or container in which the cattle are placed for purposes of transportation. Furthermore, the inference is created by the addition of the address "Floydada, Texas" to the placard that the use here involved does not so much distinguish appellant's cattle as it identifies appellant as the source of the shipment while the crate and its contents are in transit. That is trade name usage as distinguished from trade-mark usage. We think the denial of registration of "Lyndale Farm" on the Principal Register because of failure to show trade-mark usage is, on the record before us, well founded.

We do not pass upon the denial of registration on the additional ground that "Lyndale Farm" is primarily geographically descriptive, as it is unnecessary to the disposition of the case. Such action, it is to be observed, should not be construed as approval or disapproval of the rejection below on that basis.

[4] We find no error in the refusal to register appellant's mark on the Principal Register on the ground herein discussed in full. The decision appealed from is, therefore, affirmed.

AFFIRMED.

[14] "Sec. 718. Affixation. A designation is not a trade-mark unless as a general practice it is affixed to the goods which it denominates."

[15] The essential requirement that the mark be affixed to the goods or container in which the goods are sold so as to convey to the purchaser knowledge of the origin or source of the goods, *Rice Stix Dry Goods v. Schwarzenbach-Huber Co.*, 47 App. D. C. 249, is not changed, we think, by the Lanham Act, though in addition to affixation to the goods or their containers, trade-mark use may now, by virtue of the Lanham Act, be achieved where the mark is placed on displays associated with the goods as they are sold.

U. S. Court of Customs and Patent Appeals

IN RE ZABEL ET AL.

No. 5720. Decided January 16, 1951

[— F.2d —; — USPQ —]

1. PATENTABILITY—INVENTION—ELIMINATION OF STEPS.

Although the appellants' method eliminates or consolidates some of the steps of the reference and might well result in a saving of time, *Held* that this of itself does not necessarily involve invention.

2. SAME — PARTICULAR SUBJECT MATTER — METHOD OF FORMING A UTENSIL.

Certain claims to a method of attaching a strainer plate to a thermoplastic bowl *Held* unpatentable as being within the skill of the art.

APPEAL from Patent Office. Serial No. 599,230.

AFFIRMED.

Clarence E. Threedy for appellants.

E. L. Reynolds for the Commissioner of Patents.

WORLEY, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner, rejecting as unpatentable over the prior art claims 3, 6, and 7 of appellants' application, Serial No. 599,230, filed June 13, 1945, for a patent relating to a "Method of Forming a Utensil." No claims were allowed. The involved claims read as follows:

3. The method of attaching a strainer plate to a thermoplastic bowl portion of a strainer and of maintaining the shape of said strainer plate in a preformed shape during the molding of the bowl portion, which consists in shaping the strainer plate to provide an annular ring-like portion with an outwardly flaring peripheral portion, swaging said peripheral portion, and then embedding said peripheral portion in the thermoplastic material forming the bowl portion of said strainer, during the molding operation of the bowl.

6. The method of forming a utensil which consists in uniting a foraminated strainer wall and a thermoplastic bowl by embedding in the bowl during the molding operation thereof an outwardly flaring peripheral edge portion of the strainer wall, and swaging said peripheral edge portion prior to said embedding to maintain the shape of said strainer wall during and after the molding operation.

7. The method of forming a utensil which consists in uniting a foraminated strainer wall and a thermoplastic bowl by embedding in the bowl during the molding operation thereof an outwardly extending peripheral edge portion of the strainer wall.

The reference relied upon is: Williams, 2,241,229, May 6, 1941.

Both the reference and the involved application relate to methods of making, from a combination of thermoplastic and metal materials, what appears to be an ordinary kitchen strainer.

The method of appellants discloses the production of a utensil whereby a metal strainer is attached to a thermoplastic bowl. The strainer wall is formed integrally with the bowl or frame portion by means of a single molding operation.

In Williams, the plastic rim and handle unit is preformed, and at that step looks not unlike a stringless tennis racket. The wire mesh strainer portion, which is shaped like a bowl or cup, has its rim doubled back upon itself. The doubled back portion is placed in a groove in the annular or ring-like part of the preformed handle, said groove being in the under side of the rim. After the two parts of the device have been thus assembled, a heated tool is introduced, forcing the rim of the strainer portion to the bottom of the groove. The tool action also forces the lip of the strainer portion outwardly to the wall of the groove. The wall of the groove is rendered soft by the heat emanating from the tool, so that the mesh of the screen lip becomes embedded in the ring. The ring is then subjected to a softening heat, and a compressing tool is brought to bear on the outer wall of the rim so that the article becomes a unitary structure.

In their brief, counsel for appellants attempt to distinguish their method from that of the prior art by the following language: "The strainer wall is shaped to provide the outwardly extending peripheral edge portion, and this edge portion is then embedded in the thermoplastic material forming the bowl, during the molding operation of the bowl." The Williams method involves three molding operations: the original molding of the handle and rim, the embedding of the strainer rim into the plastic rim, and the sealing of the groove in the plastic rim; whereas the appellants have only one.

The products of the two methods appear to be similar, except that in Williams the strainer bowl is principally of metal, while appellants' application shows a strainer bowl principally of plastic, the metal strainer portion closing the bottom of the bowl. Appellants contend that their method is an "advancement over the Williams disclosure and constitutes invention thereover."

The Primary Examiner held that the appealed claims were "unpatentable over Williams."

Appellants, before the Board of Appeals, objected to the Williams reference because of the difference in the relative sizes of the plastic and metal portions produced by each method. The Board held, however, that such difference is merely a matter of degree and with that holding we are in complete accord. Surely the difference in the size of the plastic portion of appellants' structure cannot reasonably be considered to be different in kind from the size of the plastic portion of the Williams structure.

Counsel for appellants contend that the involved claims should be allowed for the reason that in the Williams structure the screen portion, or metal bowl, "is not shaped to provide an annular ring-like portion with an outwardly flaring peripheral portion." Since "annular" means "having the form of a ring," and both disclosures can be said to have an "annular ring-like portion," they are not differentiated on that ground. The question then is, does the annular portion in Williams have an "outwardly flaring peripheral portion"? The Board held that when the heated tool spread the turned-over portion in melting it into the inner sides of the groove, that such portion could be said to be "outwardly flaring" within the meaning of the claims. Although in appellants' application the peripheral portion is flared before the molding process, there is no limitation in the claims which prevents that portion from being flared outwardly just before it is embedded in the plastic, or as it is being embedded. Furthermore, even if Williams did not show such flaring, it seems to be a difference of form only, which is not a patentable distinction. See *In re Bennett*, 17 CCPA (Patents) 1113, 40 F.2d 755, 5 USPQ 173, 398 O. G. 708.

The third argument advanced on behalf of appellants is that "Williams does not suggest the step of swaging the peripheral edge portion of the metal strainer bowl for the purpose stated in the appealed claims, namely, that of crimping the wire mesh to maintain the shape of the strainer plate during the molding operation." [Diagram numbers omitted.]

The Board of Appeals found that the bending over of the rim of Williams' metal strainer bowl and the subsequent wedging of it outwardly by the heated tool constituted a "swaging action." We do not believe it necessary to consider whether this is strictly a swaging action, because even if it is not, it is obviously a mechanical equivalent of swaging, and, therefore, not a patentable difference. See *In re Williams*, 17 CCPA (Patents) 718, 36 F.2d 436, 4 USPQ 237, 392 O. G. 737; *In re Stover*, 32 CCPA (Patents) 823, 146 F.2d 299, 64 USPQ 186, 573 O. G. 367; *In re Field*, 36 CCPA (Patents) 1035, 174 F.2d 128, 81 USPQ 395, 624 O. G. 666. It seems obvious that the bending over of the wire mesh bowl at the rim, in Williams, and its subsequent embedding in the plastic ring, would result in maintaining "the shape of said strainer wall during and after the molding operation." In view of the foregoing, we do not see how we can agree with the third argument of appellants.

Appellants' final contention is that an inventive difference is present between "the embedding of this outwardly flaring swaged peripheral portion in the thermoplastic material from which is formed the plastic bowl portion of the strainer *during the molding operation of the bowl*" [italics quoted], and the embedding by Williams after the molding of the bowl. The Board held that all of the appellants' claims read on the Williams process save for the expression "during the molding operation," and it interpreted that expression to refer only to the original molding operation of the bowl and handle of the utensil. The Board concluded, and properly so, that "the two methods are obvious equivalents," and that appellants' method "is an obvious one and devoid of invention in our opinion."

[1] The generally accepted rule by which invention is determined is whether one skilled in a particular art, in view of the prior art, could be expected to devise a given method or produce a given article. Although we think the method advanced by appellants might well result in a saving of time, that of itself does not necessarily involve invention. On the contrary, although the method advanced by appellants eliminates or consolidates some of the steps of Williams, we believe such elimination or consolidation is within the skill of the art.

[2] For the reasons hereinbefore stated the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,946,375, H. Wentjar, Veneer machine, filed Feb. 5, 1951, D. C., W. D. Wash. (Tacoma), Doc. 1434, *H. Wentjar v. Northwest Door Co., Inc.*

2,057,295, W. H. Engel, Bag machine, filed Feb. 7, 1951, D. C., S. D. N. Y., Doc. 64/124, *Potdevin Machine Co. v. Shellmar Products Corp.*

2,097,838, S. Karrer, Safety device for gas burners; 2,156,235, Betz & Karrer, Safety device for gas burners; 2,372,537, C. Wantz, Combined thermoelectric safety shut-off device cock, D. C., S. D. Calif. (Los Angeles), Doc. 12238–C, *Milwaukee Gas Specialty Co. et al. v. General Water Heater Corp.* Consent judgment holding claims 14 and 15 of 2,372,537, claim 1 of 2,097,838 and claims 1 and 6 of 2,156,235 valid and infringed; injunction (notice Feb. 5, 1951).

2,127,249, 2,177,352, R. R. Dupler, Illuminated globe mounting, suit for declaratory judgment filed Feb. 7, 1951, D. C., N. D. Ohio (Toledo), Doc. 6497, *Replogle Globes, Inc.* v. *R. R. Dupler.*

2,156,235. (See 2,097,838.) 2,177,352. (See 2,127,249.)

2,212,207, 2,214,137, Irwin & Irwin, Roasting rack, filed Feb. 6, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12849–C, *U. D. Irwin* v. *Sears, Roebuck & Co.*

2,213,113, A. M. Youngs, Method for testing thin rubber articles; 2,244,591, Youngs & Ballantine, Apparatus for testing prophylactic articles of thin rubber, appeal filed Feb. 5, 1951, C. C. A., 2d Cir., Doc. 21942, *Young's Rubber Corp.* v. *Allied Latex Corp.*

2,214,137. (See 2,212,207.)

2,228,677, T. J. Scofield, Warning signal, filed Feb. 7, 1951, D. C., E. D. Mich. (Detroit), Doc. 10287, *The Sparks-Withington Co.* v. *Standard Hardware & Auto Supply Co.*

2,244,591. (See 2,213,113.)

2,267,968, K. C. Augenstein, Link bracelet; 2,515,817, same, Expansion bracelet, filed Feb. 9, 1951, D. C. R. I. (Providence), Doc. 1231, *Speidel Corp.* v. *Apex Accessories Co., Inc., et al.*

2,372,537. (See 2,097,838.)

2,395,875, K. K. Kearby, Dehydrogenation of hydrocarbons, filed Feb. 1, 1951, D. C. Del. (Wilmington), Doc. 1347, *Jasco, Inc.* v. *Monsanto Chemical Co. et al.*

2,428,198, M. M. Brohard, Jr., Garment; Des. 146,895, same, Shirt, D. C., E. D. Mich. (Detroit), Doc. 7267, *Caru Clothes, Inc., et al.* v. *United Shirt Distributors, Inc.* Stipulation and order of dismissal (notice Feb. 5, 1951). Doc. 7304, *Caru Clothes, Inc., et al.* v. *The Richman Bros. Co.* Decree as above.

2,448,795, L. P. Grecco, Divisible carton, filed Feb. 5, 1951, D. C. Oreg. (Portland), Doc. 5915, *L. P. Grecco* v. *Owens-Illinois Glass Co.*

2,449,900, L. L. Johnston, Apparatus for forming molds for centrifugal casting and centrifugally casting products therein; 2,499,387, same, Mold forming apparatus, filed Feb. 2, 1951, D. C., E. D. Mich. (Bay City), Doc. 958, *Herman Pneumatic Machine Co.* v. *L. Bila et al.*

2,476,635, A. F. Southwick, Hanger, filed Feb. 7, 1951, D. C., E. D. Mich. (Detroit), Doc. 10288, *A. F. Southwick* v. *J. C. Penny Co.*

2,493,209, 2,494,837, F. A. Simmons, Spray or atomizer nozzle: Des. 156,873, V. Elsner, Sprayer; Des. 157,143, S. F. Graham, Spray device, D. C., N. D. Ill. (Chicago), Doc. 49c1658, *Burgess Vibrocrafters, Inc.* v. *Grome Mfg. Co. et al.* Patents 2,493,209, 2,494,837, Des. 156,873, held valid and infringed; injunction; dismissed without prejudice as to Des. 157,143 February 1.

2,494,837. (See 2,493,209.) 2,499,387. (See 2,449,900.)

2,515,817. (See 2,267,968.)

2,534,651, R. L. Abos, et al., Presser bar control for sewing machines, filed Jan. 23, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12858–C, *Revco Products* v. *Seacot Corp.*

Re. 23,279, A. J. Wright, Bed and platen hectographic address machine, filed Feb. 8, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12858–BH, *A. J. Wright* v. *Addressoprint Corp.*

Des. 146,895. (See 2,428,198.)

Des. 156,873. (See 2,493,209.)

Des. 157,143. (See 2,493,209.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 200,355, Glorient, Inc., Dyes, filed Feb. 8, 1951, D. C., S. D. N. Y., Doc. 64/125, *Orbis Products Corp.* v. *Orbis Chemical Corp.*

NOTICES

International Convention for the Protection of Industrial Property

Adherences of Liechtenstein and Tanganyika

The Secretary of State has been notified by the Legation of Switzerland of the adherence, effective January 28, 1951, of Liechtenstein to the International Convention for the Protection of Industrial Property as last revised at London on June 2, 1934.

The Secretary of State has also been notified by the Legation of Switzerland of the adherence by Great Britain on behalf of the Territory of Tanganyika, effective January 28, 1951, to the London revision.

JOHN A. MARZALL,
Mar. 1, 1951. *Commissioner of Patents.*

Classification Order No. 91

The following transfers from Division 49 to C. E. D. are hereby ordered to take effect Monday, January 22, 1951:

Class 38, Textiles, Ironing or Smoothing.
Class 166, Wells.

A. W. CROCKER,
Jan. 15, 1951. *Executive Primary Examiner.*

Classification Order No. 92

The following transfer from Division 69 to Division 37 is hereby ordered to take effect Wednesday, January 24, 1951:

Class 346, Recorders.

A. W. CROCKER,
Jan. 18, 1951. *Executive Primary Examiner.*

Adjudicated Patent

(D. C. Ill.) Wakefield Patent No. 1,963,218, for a lighting fixture. Claim 2 *Held* not infringed. *F. W. Wakefield Brass Co.* v. *Mitchell Mfg. Co.*, 94 F. Supp. 650; 87 USPQ 311.

Disclaimer

2,350,010.—*Francis Cheyney Beckley*, West Hartford, Conn. MICROPHONE. Patent dated May 30, 1944. Disclaimer filed Feb. 16, 1951, by the assignee and trustee, *The Glastonbury Bank & Trust Company*, the inventor joining in.

Hereby enters disclaimer to claims 5, 6, 8, 9, and 16 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The General Electric Company offers the following patents for non-exclusive licensing on reasonable terms. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 1,957,234. Drawing Die. Patented May 1, 1934. A wire-drawing die contains a helical groove consisting of a single turn extending substantially the entire length of the effective portion of the drawing canal. This groove permits better lubrication of wire while being drawn. Group 35—42. Reg. No. 40,242.

Pat. 1,979,995. Insulation. Patented Nov. 6, 1934. This patent provides a means for insulating electrical filaments or conductors. Asbestos yarn is applied to the conductor to which an adhesive has been applied. The asbestos cover is loosened sufficiently to distribute the fibers uniformly over the conductor. Loosening device is illustrated in the patent. Group 36—11—31. Reg. No. 40,243.

Pat. 1,987,576. Method of Applying Coatings on Metals. Patented Jan. 8, 1935. Method comprises: Placing spaced bodies of vaporizable chemical compounds in a container; passing electrically heated metal through narrow openings in the bodies; heating the metal only as it passes through the bodies. Metal heat is used for evaporation of the compounds, disassociation thereof, and precipitation of coating on metal. Precipitation of several coats simultaneously or successively is possible. Economies are pointed out. Groups 33—75; 36—11—31. Reg. No. 40,244.

Pat. 1,987,577. Apparatus for the Thermic Treatment of Metal Wires, Filaments, Bands, or the Like. Patented Jan. 8, 1935. This patent describes an apparatus in which wire is passed into a described container in a tight manner. Sealing medium is prevented from being forced into container. Groups 35—42; 36—11—31. Reg. No. 40,245.

Pat. 2,016,155. Electrical Insulation. Patented Oct. 1, 1935. Reg. No. 40,246.

Pat. 2,047,029. Electrical Insulation. Patented July 7, 1936. Reg. No. 40,247.

Pat. 2,097,300. Electrical Insulation. Patented Oct. 26, 1937. Reg. No. 40,248.

These three patents relate to inorganically insulated electrical conductors. Patent 2,016,155 (a division of 2,047,029) shows a process for electrically insulating copper conductors by exposing them to the action of free halogen. Patent 2,047,029 provides an impervious coating on a conductor consisting of a glass-like coating of copper halide containing a fused mineral filler. Patent 2,097,300 is a division of 2,047,029. Group 36—11—31.

Pat. 2,058,110. Drawing Die. Patented Oct. 20, 1936. This patent shows a drawing die composed of a central portion of very hard alloy, and at least one external layer on each front side of the central portion of an alloy of the same type but of less hardness and greater toughness. Formula for alloy is shown in patent. Group 35—42—43. Reg. No. 40,249.

Pat. 2,191,580. Electrical Insulation. Patented Feb. 27, 1940. Reg. No. 40,250.

Pat. 2,191,581. Insulating Resinous Compositions and Electrical Conductors Coated With the Same. Patented Feb. 27, 1940. Reg. No. 40,251.

Pat. 2,191,584. Electrical Insulation. Patented Feb. 27, 1940. Reg. No. 40,252.

The above three patents are directed to a coating compound for insulating electrical conductors. The coating is broadly referred to in trade as "wire enamels." Different formulas and techniques of application are shown in each of the three patents. The coating is basically polymerized acrylic acid nitrile and polymerized acrylic acid ester. Group 36—11—31.

Pat. 2,218,385. Method of Making an Insulated Electrical Conductor. Patented Oct. 15, 1940. The method embraces applying a swollen mass of polymerized aryl olefine (polystyrol) and a liquid swelling agent (acetone) to an electric conductor, then drying the assembly under reduced pressure so as to convert the mass to a sponge-like structure. The patent illustrates schematically a method of practicing the invention. Group 36—11—31. Reg. No. 40,253.

Pat. 2,286,745. Heat Treating Process. Patented June 16, 1942. Process provides for heat treating metal articles in a bath of molten metal, preventing contamination of the treated article, and providing the metal to be treated with a protective coating to prevent direct contact with the bath material. Schematic drawing of patent suggests type of apparatus that may be used to carry out the process. Groups 33—99; 34—31. Reg. No. 40,254.

The following eight patents are offered for non-exclusive licensing on reasonable terms, to domestic manufacturers. The patents relate to electric flat irons, steam irons, and their parts. They are broadly grouped in Groups 35—81—82; 36—21.

Pat. 2,158,857. Temperature Control Device. Patented May 16, 1939. Reg. No. 40,255.

Pat. 2,251,003. Control Device. Patented July 29, 1941. Reg. No. 40,256.

Pat. 2,253,964. Ironer. Patented Aug. 26, 1941. Reg. No. 40,257.

Pat. 2,325,450. Ironer. Patented July 27, 1943. Reg. No. 40,258.

Pat. 2,386,056. Electrical Connection Means. Patented Oct. 2, 1945. Reg. No. 40,259.

Pat. 2,499,184. Steam Generating Electric Pressing Iron. Patented Feb. 28, 1950. Reg. No. 40,260.

Pat. 2,499,185. Steam Iron Reservoir Water Supply and Water Discharge Means. Patented Feb. 28, 1950. Reg. No. 40,261.

Pat. 2,528,254. Thermal Cutout for Flatirons or the Like. Patented Oct. 31, 1950. Reg. No. 40,262.

Pat. 2,533,502. Adjusting Means for Hinges. Patented Dec. 12, 1950. Hinge, such as is used in hanging doors, has an adjustable pin with aligned bearing portions to pass through alternately disposed knuckles of the two hinge leaves. Off-set crank portions are formed between the bearings. Bushings having U-shaped openings are mounted on the cranks and can be moved only by considerable friction. The bushings have expansible outer lips for frictional seating in the knuckles of the hinge leaf. Head of pin is provided with a kerf for easy adjustment after assembly. (Owner) Richard T. Philips. Correspondence to Smith & Tuck, 734 Central Building, Seattle 4, Wash. Group 33—59. Reg. No. 40,263.

Pat. 2,522,104. Self-Retracting Wheel Chock for Automotive Vehicles. Patented Sept. 12, 1950. Wheel chock may be tripped from the driver's seat of a motor vehicle and lowered to the ground in proper position to engage the wheels. Each chock is supported by two short chains which are connected to positioning levers secured to a partially revolvable shaft supported from the vehicle body. The bearings in which the shaft operates are attached above the vehicle's spring suspension system. The shaft is connected by a lever connected to a rod pivoted to a toggle bar. The toggle bar is supported on a fixed pivot and the other end of toggle bar is pivoted to a connecting rod attached to an operating lever. (Owner) R. H. Edwards, 14028 33rd Ave., South, Seattle 88, Wash. Group 38—31. Reg. No. 40,264.

Pat. 2,511,660. Sectional Casing Gear Pump. Patented June 13, 1950. A rotary gear pump wherein the rotors are in contact with each other at all times. Circular walls of the inlet and outlet sections of the pump casing form pockets in which are mounted roller bearings in which shafts are journaled. The center shaft functions as a drive shaft. A gear secured to the drive shaft meshes with gears on the other shafts. A rotary vane member is

mounted on each shaft and has four vanes and four pockets. The vanes of one rotor extend into the pockets of the other rotors. The pump has a positive drive through the drive shaft, and rotation of the vanes draws the air, gas, or liquid through the ports into each succeeding chamber to discharge at the next port. (Owner) Ralph B. Wilson, Box 265, North Apollo, Pa. Group 35—61. Reg. No. 40,265.

Pat. 2,535,874. Life Jacket. Patented Dec. 26, 1950. Life preserver is easily donned as a jacket. A closed body-encircling portion has one integral shoulder strap to support garment on wearer when slipped over the head. A cloth cover is filled with a buoyant material and stitched to form sections. Flexible webs are provided at the ends of the front and rear groups of sections. The adjoining sections of the front and rear groups are provided with elastic bands so the jacket will fit different sized wearers. If desired, a detachable strap may be provided for the other shoulder. (Owner) Roy E. Starn, 425 Mirabeau St., Greenfield, Ohio. Group 25—92. Reg. No. 40,266.

Government Owned Patents

The following 19 patents have been assigned to the United States of America as represented by the Secretary of Agriculture. Licenses to practice the inventions are issued on a royalty-free, non-exclusive, non-transferable, revocable basis.

Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,504,151. Process of Preparing Methyl Beta-Furfuryloxypropionate. Patented Apr. 18, 1950. Methyl acrylate is reacted at below 35° C. with an equimolecular amount of furfuryl alcohol having dissolved therein about 1 part by weight of sodium per 100 parts of the alcohol. Group 28—83. Reg. No. 40,267.

Pat. 2,509,513. Synthetic Rubberlike Materials. Patented May 30, 1950. Soft, flexible, elastic synthetic rubbers resistant to oils, aging, and heat, produced by vulcanization of polymerized alkyl acrylates, such as polyethyl acrylate, using quinone dioxime (or its esters like the dibenzoate) in conjunction with red lead, or litharge, as the vulcanizing agent. Group 28—83. Reg. No. 40,268.

Pat. 2,510,089. Method of Drying Allyl Starch. Patented June 6, 1950. Solvent soluble allyl starch is obtained in purified anhydrous form by dissolving the crude aqueous allylation product in a water soluble solvent such as acetone, adding a water immiscible solvent like benzene to the solution to cause separation of a water layer, and spray drying the residual organic solvent solution. Group 20—94. Reg. No. 40,269.

Pat. 2,510,164. Water Insoluble Derivatives of Nicotinic Acid and Process for Preparing Them. Patented June 6, 1950. Food products requiring water-processing before use, such as corn grits or rice, fortified with a water-insoluble anti-pellagra factor comprising an alkyl ester of nicotinic acid containing from 6 to 18 carbon atoms in the alkyl group, such as octyl nicotinate or lauryl nicotinate. Group 28—31. Reg. No. 40,270.

Pat. 2,510,945. N-Cyclohexyl Nicotinamide. Patented June 13, 1950. N-cyclohexyl nicotinamide is a water-insoluble anti-pellagra agent having anti-spasmodic and anti-convulsant properties and useful as vitamin fortifying agent for foods which require water-processing before use, such as corn grits or rice. Group 28—31. Reg. No. 40,271.

Pat. 2,511,880. Resins of Alkyl-Substituted Cycloalkanol Esters of Acrylic Acids. Patented June 20, 1950. Strong, tough, elastic, water-resistant resins obtained on polymerization or copolymerization of acrylic esters of polyalkyl substituted cycloalkanols having from 5 to 16 carbon atoms, such as 3,3,5-trimethyl cyclohexyl acrylate or methacrylate. Group 28—83. Reg. No. 40,272.

Pat. 2,512,645. Self-Advancing Winding Reel. Patented June 27, 1950. A self-advancing reel adapted for winding filaments while subjecting them to a chemical treatment. This reel of relatively simple construction can be readily adjusted, assembled, and dismantled. Group 35—52. Reg. No. 40,273.

Pat. 2,512,674. Production of Casein Yarn. Patented June 27, 1950. Casein fibers of enhanced tensile strength, softness, and flexibility are obtained on extruding an alkaline casein solution into an organic acid precipitating bath, partially hardening the filaments under tension in a formaldehyde bath containing a metal salt, and then stabilizing them in a buffer bath such as an aqueous sodium acetate solution at pH 6–8. The fibers can be immediately spun on a pot spinning machine into a yarn eminently suited for knitting. Group 28—51—83. Reg. No. 40,274.

Pat. 2,512,689. Nicotine Compounds Containing Univalent Copper. Patented June 27, 1950. Cuprous nicotine thiocyanate and cyanide having the respective formulas: $Cu(CNS)\cdot C_{10}H_{14}N_2\cdot HCNS$ and $(CuCN)_2\cdot C_{10}H_{14}N_2\cdot HCN$. These compounds are useful as insecticides and as fluorescent pigments. Group 28—33. Reg. No. 40,275.

Pat. 2,516,928. Copolymers of Unsaturated Ethers. Patented Aug. 1, 1950. Copolymers of vinyl acetate with an allyl ester-mono allyl ether of 9,10-dihydroxystearic acid or with a mono allyl ether of 9,10-dihydroxyoctadecanol-1 are insoluble glass-like to soft rubbery resins produced by conjoint polymerization of the monomers at 40°–100° C. in the presence of an organic peroxide or inorganic persulfate, a method also applicable to the copolymerization of other olefinic compounds in lieu of the vinyl acetate. Group 28—83. Reg. No. 40,276.

Pat. 2,518,456. Preparation of Acyloxy Carboxylic Acids From Esters of Hydroxy Carboxylic Acids. Patented Aug. 15, 1950. Alpha-acyloxy lower aliphatic monocarboxylic acids such as acetoxy-propionic acid are produced by reacting a lower alkyl ester of the corresponding hydroxy acid, such as methyl lactate, with an excess of a lower aliphatic monocarboxylic acid, like acetic acid, in the presence of a water-entraining agent and of an acid catalyst. Group 28—34—83. Reg. No. 40,277.

Pat. 2,520,127. Method of Purifying Rutin. Patented Aug. 29, 1950. Rutin is separated from quercetin by dissolving the mixture in a lower, substantially anhydrous aliphatic alcohol such as ethanol, recovering the rutin alcoholate precipitate formed, and dissolving it in water, whereby a precipitate of pure rutin trihydrate is obtained. Group 28—31. Reg. No. 40,278.

Pat. 2,521,738. Process for the Production of Artificial Bristles and the Like From Proteins. Patented Sept. 12, 1950. Filaments formed by extruding into air a hot homogeneous mixture of water and iso-electric casein are stretched, treated with an anti-sticking agent, subjected to a preliminary hardening bath, and stretched to a length at least fifty percent greater than their original length. They are then subjected to a final hardening bath and dried under tension. Groups 28—83; 39—22. Reg. No. 40,279.

Pat. 2,524,094. Fungicidal Nicotinium Salt Compositions. Patented Oct. 3, 1950. Compounds of the general formula Nicotine (RX), where R is alkyl, aralkyl or substituted aralkyl, and X is the fatty acid anion having from 2 to 18 carbon atoms, such as octadecyl nicotinium laurate, incorporated in 100 to 10,000 parts carrier. Group 28—33. Reg. No. 40,280.

Pat. 2,524,792. Process for Solubilizing Allyl Starch. Patented Oct. 10, 1950. Solubilization of allyl starch produced by allylation in the presence of aqueous alkali and of an organic solvent is enhanced by acidifying the reaction mixture to pH 2–3 and heating at 70°–110° C. An alkali metal iodide may be used as catalyst in the allylation reaction. Group 20—94. Reg. No. 40,281.

Pat. 2,525,786. Polyhydric Alcohol Esters of Acyloxycarboxylic Acids. Patented Oct. 17, 1950. Esters of pentaerythritol and polypentaerythritols with acylated lactic acid, such as pentaerythritol tetrapropionoxypropionate, dipentaerythritol hexapropionoxypropionate, or tripentaerythritol octapropionoxypropionate, produced by reacting the erythritol with alkyl lactate and acylating the resulting lactic acid ester. These products are useful as plasticizers and solvents. Group 28—34—83. Reg. No. 40,282.

Pat. 2,525,792. Acylated Protein and Method for Making Same. Patented Oct. 17, 1950. Molding powders comprising an acylated protein, such as casein, containing 10–30 percent aliphatic acyl groups having from 8 to 18 carbon atoms, such as oleoyl, stearoyl, or palmitoyl. The molded products are clear, strong, tough, and show low water absorption. The acylated proteins are produced in aqueous media by reacting an alkaline solution of the protein with the acyl chloride. Group 28—83. Reg. No. 40,283.

Pat. 2,525,825. Process for Making Casein Fibers for Felting. Patented Oct. 17, 1950. Aqueous alkaline casein solution is extruded into an acetic acid coagulating bath; the filaments are stretched and prehardened with formaldehyde and aluminum salt; treated with aqueous sodium acetate or formate at pH 6–8; they are then treated with aqueous formaldehyde and sodium acetate at pH of about 6 for several hours and dried to a moisture content of not more than 5 percent. Group 28—51—83. Reg. No. 40,284.

Pat. 2,527,602. Process of Separating Carotene Fractions and Tocopherol-Sterol Fractions From Green Plant Materials. Patented Oct. 31, 1950. Leaf meal is extracted with a fat solvent like hexane, the extract is dissolved in a low boiling, oxygen-containing solvent such as acetone, and the insolubles precipitated at below 25° C. are separated. The residual solution is mixed with a vegetable oil, the solvent evaporated from the mixture and the residue subjected to molecular distillation yielding a carotene-rich fraction and a substantially carotene-free tocopherol-sterol fraction. Distillation of the saponified plant extract yields in addition a phytol fraction. Group 28—31—41. Reg. No. 40,285.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 20, 1951

[VOL. 644. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 525,872. Keuffel & Esser Company, Hoboken, N. J. Filed July 3, 1947.



The drawing is lined for red.

For Drawing Instruments Comprising Dividers, Compasses, Bow Pens, and Ruling Pens; and Light Sensitized Reproduction Papers and Cloths, Protractors, Pantographs, Drafting Machines, Draftsmen's Tools—Namely, Scales, Triangles, Curves, T-Squares, and Drawing Boards; Draftsmen's Lettering Devices, Folding Rules, Mathematical Calculating Instruments and Slide Rules, Surveying Instruments Comprising Levels, Transits, Theodolites and Alidades, Hand Levels, Surveying Compasses, Leveling Rods, Range Poles, Plumb Bobs, and Measuring Tapes.

Claims use since April 1947.

CLASS 39

CLOTHING

Ser. No. 509,373. Joseph Resnick Co., Inc., Elizabeth, N. J. Filed Sept. 19, 1946.

TOM THUMB

For Boys' Wash Suits, Sun Suits, Slacks, Comprising Slacks and Jacket Combinations, and Sport Ensembles.

Claims use since Sept. 9, 1946.

Ser. No. 525,047. Merrimac Hat Corporation, Amesbury, Mass, and New York, N. Y. Filed July 2, 1947. Under 10-year proviso as to "Merrimac."

MERRIMAC Chiffon

The term "Chiffon" is disclaimed.

For Women's Hats and Hat Bodies.

Claims use since Apr. 17, 1937, on the mark as shown; and since 1856 on the word "Merrimac."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,075. Indian Rock Ranch Co., doing business as "Indian Rock Orchard Co.," Grand Junction and Bridgeport, Colo. Filed Apr. 21, 1947.

INDIAN ROCK

For Fresh Peaches.

Claims use since Sept. 1, 1936.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 503,145. Parfums Evyan Inc., New York, N. Y., assignee of Evelyn Westall, doing business as Parfums Evyan Co. Filed May 31, 1946.

WHITE SHOULDERS SPLASH

For Perfume, Toilet Water, and Cologne.

Claims use since May 23, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 529,053. J. Greenbaum Tanning Co., Chicago, Ill. Filed July 21, 1947. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 357,995 and 358,611.
For Leather.
Claims use since Nov. 1, 1936.

Ser. No. 577,879. Flowerwood, Inc., Crystal Lake, Ill. Filed Apr. 28, 1949.

Flowerwood

For Natural Flowers and Floral Displays.
Claims use since Oct. 4, 1948.

Ser. No. 583,167. The National Plastic Products Company, Odenton, Md. Filed Aug. 8, 1949. (Sec. 2f.)

SARAN
by
NATIONAL

The words "Saran by" are disclaimed.
For Thermoplastic Moldings and Thermoplastic Extrusions of Copolymers of Vinyl and Vinylidene Chloride—Namely, Continuous Filaments, Shapes Like Natural Rattan Fiber and Thermoplastic Tape.
Claims use since April 1946.

Ser. No. 589,394. The Richardson Company, Lockland, Cincinnati, Ohio. Filed Dec. 15, 1949.

PLASTOK

Applicant claims ownership of Registration No. 509,813.
For Laminated Resinous Materials in the Form of Sheets.
Claims use since Dec. 1, 1949.

Ser. No. 593,494. National Lead Company, Sayreville, N. J., and New York, N. Y. Filed Mar. 6, 1950.

BENTONE

For Organophilic Bentonite.
Claims use since Aug. 5, 1948.

Ser. No. 597,838. Peabody Coal Company, Chicago, Ill. Filed May 20, 1950.

PARAGON

For Coal.
Claims use since Mar. 23, 1950.

CLASS 2

RECEPTACLES

Ser. No. 548,779. All-Steel Equipment Inc., Aurora, Ill. Filed Feb. 5, 1948.



Applicant claims ownership of Registrations Nos. 296,469, 235,607, 259,100, and 297,644.
For Metal Boxes for Industrial Use—Namely, Stacking Boxes, Perforated Boxes, Taper Pans, Tote Boxes, Shop Boxes, Bench Drawers, and Tool Boxes.
Claims use since 1931.

Ser. No. 565,364. Peterson Enterprises Inc., New York, N. Y. Filed Sept. 17, 1948.



For Portable Metal Vessel Having Pouring Spigot for Dispensing Beverages.
Claims use since Aug. 12, 1948.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 552,057. Hercatine Products, Stockton, Calif. Filed Mar. 16, 1948.

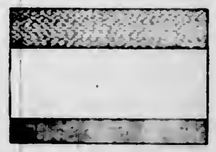
NOVA

For Liquid Cleaner for Painted Surfaces Which Also Polishes and Preserves.
Claims use since Mar. 10, 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 535,269. Stauffer Chemical Company, San Francisco, Calif. Filed Sept. 22, 1947.



The drawing is lined for the colors yellow and black.
For Insecticides and Fungicides.
Claims use since Feb. 28, 1939.

Ser. No. 542,408. J. M. Huber Corporation, Locust, N. J., and New York, N. Y. Filed Sept. 16, 1947.



The word "Black" is disclaimed. Applicant claims ownership of Registration No. 183,596.
For Carbon Black Having a Variety of Industrial Uses.
Claims use since September 1923.

Ser. No. 568,661. The Puro-Seal Company, Cleveland, Ohio. Filed Nov. 12, 1948.



The words "Flux" and "For the Purification of Metals" are disclaimed.
For Flux for the Purification of Metals During the Melting Operation Composed Primarily of Silicon, Sodium Carbonate, and Sodium Silico Fluoride.
Claims use since Sept. 3, 1948.

Ser. No. 584,343. The Ontario Paper Company Limited, Thorold, Ontario, Canada. Filed Sept. 1, 1949.

LIOXOL

For Aqueous Solution Containing Sodium Hydroxide and Organic Compounds Including the Sodium Salt of Vanillin Intended for Industrial Use for the Separation and Isolation Therefrom of One or More (or a Mixture) of Guaiacyl Type Compounds and Other Products From the Oxidation of Lignin-Substance or for the Industrial Application of the Solution Itself Whereby the Guaiacyl Nucleus Present in Most of the Organic Constituents Thereof May Be Employed Either Directly or for Synthesis and Separation of Other Chemicals or Compositions of Matter.
Claims use since June 15, 1949; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress on June 15, 1949.

Ser. No. 591,035. Julius Hyman & Company, Denver, Colo. Filed Jan. 18, 1950.

COMPOUND 497

The word "Compound" is disclaimed.
For Insecticides.
Claims use since Apr. 28, 1949.

Ser. No. 592,485. Griggs, Cooper & Company, St. Paul, Minn. Filed Feb. 15, 1950.

Home Brand



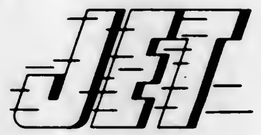
The word "Brand" is disclaimed. Applicant claims ownership of Registrations Nos. 220,648 and 243,044.
For Cream Tartar and Bluing.
Claims use since 1877.

Ser. No. 592,809. Griggs, Cooper & Company, St. Paul, Minn. Filed Feb. 21, 1950.

Home

Applicant claims ownership of Registrations Nos. 220,648 and 243,044.
For Cream Tartar and Bluing.
Claims use since 1877.

Ser. No. 596,698. Airosol Company, Inc., Neodesha, Kans. Filed May 2, 1950.



For Insecticides.
Claims use since Mar. 11, 1947.

Ser. No. 597,198. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 10, 1950.

PONTAMINE

Applicant claims ownership of Registration No. 143,591.
For Dye Developing Agents.
Claims use since February 1920.

Ser. No. 597,264. Milton Freed, doing business as The Milfred Company, Pittsburgh, Pa. Filed May 11, 1950.

MILFUSD

For Insect Spray.
Claims use since Sept. 10, 1938.

Ser. No. 597,497. Buckman Laboratories, Inc., Memphis, Tenn. Filed May 16, 1950.

BUFEN 30

For Bactericide Containing Phenylmercuric Acetate Used for the Control of Microorganisms—Namely, for the Control of Slime, Preservation of Lap Stock, Pulp Stock, Coating, and Sizing Materials and Felt, and Also Used for the Control of Microorganisms During the Course of Leather Manufacture.
Claims use since Sept. 2, 1949.

Ser. No. 597,747. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed May 19, 1950.

VIVIDOL

For Photographic Chemicals—Namely, Photographic Developers.
Claims use since Nov. 12, 1947.

Ser. No. 598,099. Nopco Chemical Company, Harrison, N. J. Filed May 25, 1950.

AGRIMUL

For Insecticide Emulsifier.
Claims use since Feb. 15, 1950.

Ser. No. 598,177. Geary Chemical Corp., New York, N. Y. Filed May 26, 1950.

SYSTOX

For Organic Phosphate Systemic Insecticide for Agricultural Use.
Claims use since May 10, 1950.

Ser. No. 598,466. General Dyestuff Corporation, New York, N. Y. Filed June 2, 1950.

FENIDON

For Dyestuffs.
Claims use since Jan. 31, 1950.

Ser. No. 598,572. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Filed June 5, 1950.

SANOCIDE

For Parasiticides—Namely, Insecticides and Fungicides; and Herbicides.
Claims use since November 1910.

Ser. No. 598,596. Pabst Brewing Company, Chicago, Ill. Filed June 5, 1950.

TEXZYME

For Desizing Agent for the Removal of Protein Base Sizes.
Claims use since May 11, 1950.

Ser. No. 598,814. Sandoz Chemical Works, Inc., New York, N. Y. Filed June 8, 1950.

RESOFIX

Applicant claims ownership of Registration No. 289,137.
For Chemical Preparation Used in the Aftertreatment of Dyed Fabrics and Yarns to Increase the Resistance of Their Colors to Washing, Perspiration, and Hot Wet Pressing.
Claims use since January 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 538,562. Marcel Quercia, Paris, France. Filed Oct. 21, 1947.

FLAMINAIRE

Applicant claims ownership of French Registration No. 374,278, dated Jan. 30, 1947.
For Pyrophoric Cigar and/or Cigarette Lighters and Parts Thereof, Smoking Pipes and Smoking Pipe Cleaners, and Cigar and Cigarette Holders.

CLASS 10

FERTILIZERS

Ser. No. 595,660. Farm Belt Fertilizer and Chemical Company, Kansas City, Kans. Filed Apr. 13, 1950.



The drawing is lined for green, orange, and black. Applicant disclaims the names of all minerals, chemicals, elements, and compounds appearing on the trade-mark.
For Prepared Chemical Fertilizer.
Claims use since Jan. 5, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 574,368. The Robert McNair Shingle Company Limited, Vancouver, British Columbia, Canada. Filed Feb. 23, 1949.

RIPPLE

Applicant claims ownership of Canadian Registration No. N. S. 28,336/110, dated Feb. 16, 1948.
For Cedar Shakes.

Ser. No. 579,909. Akona Chemical Corporation, Anoka, Minn. Filed June 3, 1949.



For Waterproof Compositions for Sealing Concrete Surfaces.
Claims use since June 1, 1947.

Ser. No. 588,423. W. H. Orr, doing business under the style and trade name of Concure Process Company, Van Nuys, Calif. Filed Nov. 28, 1949.



The word "Ruf" is disclaimed.
For Powdered Preparation To Be Mixed With Water for Coating All Types of Granular Composition Roofing for Weatherproofing and Insulation Purposes.
Claims use since Oct. 1, 1948.

Ser. No. 592,869. The Philip Carey Manufacturing Company, Lockland, Cincinnati, Ohio. Filed Feb. 23, 1950.

TEMPCHEK

For Heat Insulating Materials Consisting of Specially Treated Silicas Combined With Asbestos Fibers and Bonding Agents and Molded Into Commercial-Size Blocks and Pipe Covering Sections.
Claims use since Jan. 25, 1950.

Ser. No. 600,479. Walter Harry Hardgrave, Albuquerque, N. Mex. Filed July 11, 1950.

aqua-matic

For Weatherstrips.
Claims use since Sept. 28, 1949.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 551,945. C. F. Church Mfg. Co., Willimansett, Chicopee, Mass. Filed Mar. 15, 1948.

SANI-BLACK

The word "Black" is disclaimed.
For Bathroom Fixtures—Namely, Seats, Covers, and Hinges for the Seats and Covers of Toilets.
Claims use since 1927.

Ser. No. 557,255. The Philip Carey Manufacturing Company, Lockland, Cincinnati, Ohio. Filed May 18, 1948. (Sec. 2f.)

MIAMI Carey

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
For Projection Type Bathroom Accessories—Namely, Grab Bars, Paper Holders With Wood Roller, Tumbler Holders, Single Robe Hooks, Vertical Soap Holder and Grab Bars, Towel Bars, Shelf Supporting Brackets, Tumbler and Tooth Brush Combination Holders, Paper Towel Holders and Screw Connections and Parts Therefor.
Claims use since July 1, 1941.

Ser. No. 581,187. George F. Haddican, Delano, Calif. Filed June 28, 1949.



The words "Taper Lock Fittings for Bituminous Fibre Pipe" are disclaimed. Applicant claims ownership of Registration No. 439,772.
For Pipe Fittings.
Claims use since May 28, 1949.

Ser. No. 584,062. Hunter Spring Company, Lansdale, Pa. Filed Aug. 26, 1949.

neg'ators

For Springs of the Type Formed From a Strip of Spring Material Stressed So as To Naturally Assume a Tightly Coiled Form.
Claims use since Aug. 9, 1949.

Ser. No. 586,014. Rife-Loth Corporation, Waynesboro, Va. Filed Oct. 8, 1949.

VIM

The design portion of the mark is a pictorial representation of a "Betty Lamp" such as was in general use in the Old World and in the American Colonies prior to the American Revolution.

For Door Stops, Door Knockers, Foot Scrapers, Trivets for Use as Pads Under Hot Dishes, and Flower Pots, and Bowls Made of Metal.

Claims use since Mar. 1, 1940.

Ser. No. 590,420. Briggs Manufacturing Co., Detroit, Mich. Filed Jan. 6, 1950.

PERM-O-SEAL

No claim is made to the word "Seal."

For Metal Mouldings for Sinks.

Claims use since Aug. 3, 1948.

Ser. No. 598,777. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed June 8, 1950. (Sec. 2f.)

WAUKEGAN

Applicant claims ownership of Registrations Nos. 78,672 and 223,706.

For Barbed Wire.

Claims use since 1895.

Ser. No. 599,075. The Babcock & Wilcox Tube Company, Beaver Falls, Pa. Filed June 14, 1950.

ROTO-ROCKED

For Tubes.

Claims use since Mar. 27, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 562,151. Pullman-Standard Car Manufacturing Company, Chicago, Ill. Filed July 24, 1948. (Sec. 2f as to "Pullman Standard.")

PULLMAN-STANDARD CAR MANUFACTURING CO

No claim is made to the words "Built by" or "Car Manufacturing Co." Applicant claims ownership of Registration No. 243,990.

For Metal Castings, Forgings and Metal Stampings.

Claims use since Oct. 8, 1946, on the mark as shown; since Dec. 26, 1934, on "Pullman-Standard."

Ser. No. 569,179. Wilson Welder and Metals Co., Inc., New York, N. Y., now by merger Air Reduction Company, Incorporated, a corporation of New York. Filed Nov. 20, 1948. (Sec. 2f.)

WILSON

For Metal Welding Electrodes.

Claims use since September 1939.

Ser. No. 585,502. American Silver Company, Inc., Flushing, N. Y. Filed Sept. 29, 1949.

INTER-WELD

No claim is made to the word "Weld."

For Gold Filled and Rolled Gold Plate in Sheet, Roll, and Wire Form for Use in Making Jewelry and Precious Metal Ware.

Claims use since June 2, 1949.

Ser. No. 587,968. Philadelphia Bronze & Brass Corporation, Philadelphia, Pa. Filed Nov. 17, 1949.

PHIL-KON

For Copper Alloy Castings and Forgings.

Claims use since Sept. 1, 1949.

Ser. No. 588,626. Bauer Alphabets Inc., New York, N. Y. Filed Dec. 1, 1949.

Stradivarius

For Printing Type.

Claims use since Nov. 23, 1949.

Ser. No. 592,583. M. Swift & Sons, Inc., Hartford, Conn. Filed Feb. 16, 1950.

Golden Touch

For Metallic Leaf and Metallic Leaf Decalcomanias.

Claims use since Nov. 29, 1949.

Ser. No. 594,782. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registrations Nos. 507,721 and 507,727, dated Nov. 12, 1929.

For Unwrought and Partly Wrought Non-Ferrous Metals Used in Manufacture, Metal Castings, and Metal Forgings.

Ser. No. 595,427. M. Swift & Sons, Inc., Hartford, Conn. Filed Apr. 7, 1950.

Mirror Touch

For Metallic Leaf and Metallic Leaf Decalcomanias.

Claims use since Feb. 15, 1950.

Ser. No. 596,321. Atlantic Steel Company, Atlanta, Ga. Filed Apr. 26, 1950.

DIXISTEEL

For Metal Angles and Bars of Various Cross Sections and Metal Bands, Bevelled Bars, Channelled Rods, Hoop Steel, Reinforcing Bars, Round Edge Metal Tires, Saw Blade and Stalk Cutter Steel, T-Shaped Girders, Bolt, Nut and Rivet Steel, Metal Compress Bands, Annealed Wire, Bright Wire, Coppered Wire, Wire Rods, Galvanized Wire, Bed Spring Wire, Coat Hanger Wire, Metal Welding Rods, Metal Ground Rods, and Other Metal Forgings and Stampings.

Claims use since Feb. 12, 1923.

Ser. No. 598,900. Eutectic Welding Alloys Corporation, New York, N. Y. Filed June 10, 1950.

EUTEC-STAINROD

Applicant claims ownership of Registrations Nos. 408,653 and 409,730.

For Metallic Welding Rods.

Claims use since June 5, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 561,537. Texas Distributing Company, Dallas, Tex. Filed July 15, 1948.

TRANS-HYDRO

The term "Hydro" is disclaimed.

For Transmission Lubricants and Hydraulic Oils.

Claims use since June 9, 1948.

Ser. No. 594,329. Monarch Petroleum Products, Columbus, Ohio. Filed Mar. 21, 1950.

MONARCH PETROLEUM PRODUCTS

The words "Petroleum Products" are disclaimed.

For Petroleum Base Lubricating Oils and Greases.

Claims use since 1889.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 578,935. Mirror Bright Polish Co., Pasadena, Calif., assignor to Mirror Bright Polish Co., Pasadena, Calif., a firm composed of Maurice W. Megular, Malcolm F. Megular, and Kenneth Megular. Filed May 16, 1949.

MIRROR BRIGHT

The word "Bright" is disclaimed. The representation of the lady's head is fanciful.

For Finish Coating Sealers and Glazes and Protective Wax Coatings for Automobiles, Furniture, Airplanes, Metal and Wood and Other Similar Surfaces.

Claims use since June 1923.

CLASS 17.

TOBACCO PRODUCTS

Ser. No. 562,784. La Primadora Cigar Corporation, New York, N. Y. Filed Aug. 4, 1948.

LA PRIMADORA

For Cigars.
Claims use since Jan. 31, 1922.

Ser. No. 563,775. Cifuentes y Compania, Habana, Cuba. Filed Aug. 20, 1948. (Sec. 2f as to "Partagas.")



All the wording, except the name "Partagas," is disclaimed. Applicant claims ownership of Registrations Nos. 356,751, 60,515, 60,516, 53,480, and 440,817.
For Cigars.
First used in 1845 in Cuba; and first used in commerce between the United States and Cuba which may lawfully be regulated by Congress in 1845.

Ser. No. 567,230. The American Tobacco Company, New York, N. Y. Filed Oct. 20, 1948.

Johnnie Walker

The mark consists of a fictitious name and is not intended to identify a particular living individual.
For Cigarettes.
Claims use since 1919.

Ser. No. 601,951. A. Sensenbrenner Sons, Los Angeles, Calif. Filed Aug. 8, 1950.

DEL CARA



The portrait of the Spanish girl is fanciful. Applicant claims ownership of Registrations Nos. 430,297, 502,583, and 515,957.
For Cigars.
Claims use since Apr. 15, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 558,318. Professional Products & Equipment Limited, Saint John, New Brunswick, Canada. Filed June 2, 1948.

GORA

Applicant claims ownership of Canadian Registration No. 98, Folio N. S. 25,327, dated Aug. 30, 1946.
For Liquid Medicine for the Soothing of Sore Gums of Teething Babies, and for the Alleviation of Pain and Insomnia and Nervousness Attendant Thereon.

Ser. No. 572,502. The Iso-Sol Company, Brooklyn, N. Y. Filed Jan. 21, 1949.

ISO-SOL

For Ophthalmological Preparations for the Treatment of Diseases of the Eye and Other Eye Conditions and Vehicles, Especially Methyl Cellulose Vehicles, From Which Said Preparations Are Produced by the Addition of an Active Drug or Agent.
Claims use since May 9, 1947.

Ser. No. 575,784. Park Laboratory Co., Inc., San Antonio, Tex. Filed Mar. 21, 1949.

GRANDMA'S



COCO-MAG

The representation on the drawing consists in a pen and ink fanciful portrait of a woman's head and upper body. The word "Coco" is disclaimed. Applicant claims ownership of Registration No. 227,961.
For Chocolate Flavored Milk of Magnesia.
Claims use since 1907.

Ser. No. 576,234. Southern Laboratories, Inc., Macon, Ga. Filed Mar. 28, 1949.

FETEX



The representation of the golfer is fanciful.
For Liquid Medical Preparation Designed for Relief of Athlete's Foot, Ring Worm, Eczema, Golf Itch, and Other Fungus Skin Irritations.
Claims use since Mar. 1, 1949.

Ser. No. 578,312. Ernst Bischoff Co., Inc., Ivoryton, Conn. Filed May 6, 1949.

MY-B-DEN

For Pharmaceutical Preparation Used Therapeutically in the Treatment of Dermatological Diseases, Cardiovascular Diseases, and Diseases of the Joints.
Claims use since June 16, 1948.

Ser. No. 578,313. Ernst Bischoff Co., Inc., Ivoryton, Conn. Filed May 6, 1949.

TRI-B-DEN

For Pharmaceutical Preparation Used Therapeutically in the Treatment of Dermatological Diseases, Cardiovascular Diseases, and Diseases of the Joints.
Claims use since Oct. 26, 1948.

Ser. No. 581,295. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed June 29, 1949.

PENESDA

Applicant claims ownership of Registration No. 503,199.
For Penicillin Preparation.
Claims use since June 15, 1949.

Ser. No. 587,915. Stech Medicine Co., Dayton, Ohio. Filed Nov. 16, 1949. (Sec. 2f.)

STECH'S

For Ointment for Piles, Hemorrhoids, Cuts, Burns, and Irritations of the Skin; Laxatives for Relief of Constipation; Tablets for Temporary Relief of Muscular Aches and Pains.
Claims use since 1914.

Ser. No. 590,200. The William A. Webster Company, Memphis, Tenn. Filed Dec. 30, 1949.

CATHARTONES

For Laxative Preparation.
Claims use since 1915.

Ser. No. 592,408. Anabolic Food Products, Inc., Glendale, Calif. Filed Feb. 14, 1950.

TERCOPAN

For Medicinal Preparation for the Relief of Gastro-intestinal Digestive Disturbances.
Claims use since Nov. 3, 1949.

Ser. No. 592,931. Pay Way Feed Mills, Inc., Kansas City, Mo. Filed Feb. 23, 1950.

SENTREX

For Medical Preparation Used as a Poultry Feed Supplement for Prevention of Cecal and Intestinal Coccidiosis in Chicken Flocks.
Claims use since Jan. 10, 1950.

Ser. No. 595,860. Strong Cobb & Company, Inc., Cleveland, Ohio. Filed Apr. 17, 1950.

COHEPTIN

For Vitamin Concentrate for Treatment of Pernicious Anemia, Neurological Complications in Pernicious Anemia, Nutritional Macrocytic Anemia, Sprue and Megaloblastic Anemia of Infancy.
Claims use since Feb. 8, 1950.

Ser. No. 595,919. E. R. Squibb & Sons, New York, N. Y. Filed Apr. 18, 1950.

STILBETIN

Applicant claims ownership of Registration No. 389,738.
For Estrogenic Preparations.
Claims use since Apr. 7, 1950.

Ser. No. 596,685. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 1, 1950.

TAMPONINE

The drawing is lined for red.
For Medical Preparation—Namely, a Topical Application for Inflamed Mucous Tissue.
Claims use since Jan. 1, 1922.

Ser. No. 597,193. George A. Breon & Company, Kansas City, Mo. Filed May 10, 1950.

EVANARD

For Medicinal Preparation for the Treatment of Arthritis.
Claims use since Apr. 10, 1950.

Ser. No. 597,232. Schering Corporation, Bloomfield, N. J. Filed May 10, 1950.

GYNAVIT

For Pharmaceutical Preparation of Hormones and Vitamins.
Claims use since Feb. 21, 1950.

Ser. No. 597,233. Schering Corporation, Bloomfield, N. J. Filed May 10, 1950.

HYMULSON

For Emulsion of Hormones.
Claims use since Feb. 28, 1950.

Ser. No. 597,280. Thos. Leeming & Co., Inc., New York, N. Y. Filed May 11, 1950.

Calthenamine

For Anti-Pruritic Ointment.
Claims use since Apr. 5, 1950.

Ser. No. 597,356. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed May 12, 1950.

CREMODEUX

Applicant claims ownership of Registration No. 428,174.
For Sulfonamide Suspension.
Claims use since Feb. 27, 1950.

Ser. No. 597,705. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed May 18, 1950.

TORLONE

For Medicinal Preparation—Namely, a Parasiticide and Antiseptic for Topical Application.
Claims use since Dec. 28, 1949.

Ser. No. 597,800. William M. Wood, trading and doing business as Morest Manufacturing Company, Spartanburg, S. C. Filed May 19, 1950.

MOREST

For Medicine for Temporary Relief of Bronchial Spasms and Asthma.
Claims use since May 12, 1950.

Ser. No. 598,048. The Smith-Dorsey Company, Lincoln, Nebr. Filed May 24, 1950.

AL-SI-MAG

For Antacid and Adsorbent Preparations for Use in the Treatment of Hyperchlorhydria.
Claims use since March 1943.

Ser. No. 607,513. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Dec. 9, 1950.

TYMPANADYNE

For Antiseptic Aural Analgesic.
Claims use since Mar. 2, 1950.

CLASS 19

VEHICLES

Ser. No. 597,210. Kaiser-Frazer Corporation, Willow Run, Mich. Filed May 10, 1950.



For Passenger Automobiles.
Claims use since May 10, 1950.

Ser. No. 597,493. Bellanca Aircraft Corporation, New Castle, Del. Filed May 16, 1950.

Cruisemaster

For Airplanes and Airplane Structural Parts.
Claims use since Jan. 18, 1950.

Ser. No. 598,195. McRoberts Industries, Inc., Chicago, Ill. Filed May 26, 1950.

SQUATTER

For Hydraulic Lift Trailers.
Claims use since Aug. 17, 1949.

Ser. No. 598,228. F. A. Whitney Carriage Company, Leominster, Mass. Filed May 26, 1950.

Trotabout

For Baby Carriages.
Claims use since May 15, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 558,412. The Nippert Electric Products Company, Columbus, Ohio. Filed June 3, 1948.

Nepco

For Commutators for Electric Motors and Generators.
Claims use since 1942.

Ser. No. 575,235. Zenith Radio Corporation, Chicago, Ill. Filed Mar. 10, 1949.

MARLBOROUGH

For Radio and Television Receiving Sets and Parts Thereof.
Claims use since Dec. 11, 1948.

Ser. No. 576,731. Zenith Radio Corporation, Chicago, Ill. Filed Apr. 6, 1949.

NEWPORT

For Radio and Television Receiving Sets and Parts Thereof.
Claims use since Dec. 11, 1948.

Ser. No. 577,501. The Wade-Youmans Company, Alliance, Ohio. Filed Apr. 21, 1949.

WYCO

For Household Fans of the Nonoscillating Type, Household Fans of the Oscillating Type, and Electric Food Whipper Mixers.
Claims use since Sept. 23, 1948.

Ser. No. 581,514. Aerolite Electronic Hardware Corp., Jersey City, N. J. Filed July 5, 1949.

AEROLITE

For Radio and Television Transmitting and Receiving Units and Parts Thereof.
Claims use since May 1, 1949.

Ser. No. 584,436. Walter B. Bowers Brokerage Co., Kansas City, Mo. Filed Sept. 3, 1949.

DEFENDER

For Contact Actuated Electronic Elements Operated in Conjunction With Automobile Horns for Protecting the Sides of Automobiles From Contact With Foreign Objects.
Claims use since Aug. 1, 1949.

Ser. No. 587,500. Permo, Incorporated, Chicago, Ill. Filed Nov. 8, 1949.

LUBRI-LO

For Magnetic Sound Recording Media—Namely, Stainless Steel Wire and Paper and Plastic Tape Having Magnetic Coating for Recording and Reproducing Sound.
Claims use since Mar. 22, 1949.

Ser. No. 587,609. Capehart-Farnsworth Corporation, Fort Wayne, Ind. Filed Oct. 28, 1949.



The representation of the tube is disclaimed.
For Vision Tubes, Shipped Separately or Installed in Television Receiving Sets, or Installed in Television Receiving Sets Adapted To Be Combined With Radio Receiving Sets and Phonographs, All Electrically Operated.
Claims use since Aug. 12, 1949.

Ser. No. 596,483. Columbia Cable & Electric Corporation, Brooklyn, N. Y. Filed Apr. 28, 1950. (Sec. 2f.)

COLUMBIA

Applicant claims ownership of Registration No. 271,304.
For Armored Electric Cable and Flexible Steel Conduit for Electric Wiring.
Claims use since May 23, 1928.

Ser. No. 597,811. Campbell X-Ray Corporation, Boston, Mass. Filed May 20, 1950.

CAMTRAN

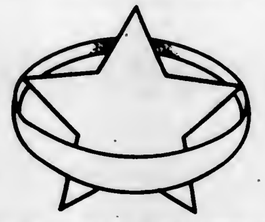
For Electrical Transformers.
Claims use since Apr. 21, 1950.

Ser. No. 600,054. Insulation Manufacturers Corporation, Chicago, Ill. Filed June 30, 1950.



For Electrical Insulating Material—Namely, Friction and Rubber Adhesive Tapes; Enamels, Lacquers, Shellacs, and Adhesives for Electrical Insulation; Woven Cloth Asbestos Tape in Roll and Sheet Form; Braided Sleevings; Cuffed Paper Coils and Tubings; Heat Sealing Resinous Sheets and Tapes; Insulating Bushings; Mica Insulating Material; Laminated Plastics for Insulation; Slot Insulators; Glass Tubings and Sleevings; and Wooden Wedges Used for Permanent Retention of Wire in Rotor and Stator Slots of Electric Motors.
Claims use since Mar. 15, 1941.

Ser. No. 601,673. Hercules Steel Products Corporation, Galion, Ohio, doing business as Star Manufacturing Company, St. Louis, Mo. Filed Aug. 3, 1950.



For Electrically Operated Food Conditioning Appliances—Namely, Popcorn Machines, Peanut Warmers, Pea-

nut Roasters, Griddles, Grills, Deep Fat Fryers, Broilers, Food Warmers, Combination Food Steamers and Warmers, Hot Plates, and Combination Hot Plates and Griddles.
Claims use since May 22, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 563,518. The Colorado Tent and Awning Company, Denver, Colo. Filed Oct. 8, 1947.

ARCTICREEL

The word "Creel" is disclaimed.
For Creels for Fishermen.
Claims use since Mar. 7, 1947.

Ser. No. 564,451. John Jaques & Son Limited, Thornton Heath, England. Filed Aug. 31, 1948.

H. Staunton

The trade-mark is the facsimile signature of H. Staunton, deceased, applicant's predecessor in business. Applicant claims ownership of British Registration No. 45,753, dated June 18, 1885.
For Chessmen.

Ser. No. 578,142. Albert G. Guy, doing business as "Circlo," Raleigh, N. C. Filed May 3, 1949.

CIRCLO

The drawing is lined for red.
For Board Game.
Claims use since Apr. 22, 1949.

Ser. No. 587,953. Isadore Horowitz, doing business under the trade name of Universal Manufacturing Company, Bossier City, La. Filed Nov. 17, 1949.

GYM-DANDY

The word "Gym" is disclaimed.
For Playground Equipment—Namely, Swings and Swing Frames, Slides, Merry-Go-Rounds, See Saws, and Chinning Bars, and Various Combinations of Swings, Ladders, Slides, and See Saws.
Claims use since Apr. 28, 1945.

Ser. No. 590,082. Hawk Model Company, Chicago, Ill. Filed Dec. 29, 1949.

HAWK

For Kits Containing Parts for the Construction of Model Aircraft, Kits Containing Parts for the Construction of Model Railroad Telegraph Poles and Signals, and Educational Puzzle Games.
Claims use on model aircraft kits since May 1, 1928; and on the remainder of the goods above referred to on or about July 15, 1946.

Ser. No. 590,305. Echelon Company, Los Angeles, Calif. Filed Jan. 4, 1950.

ECHELON

For Games and Toys—Namely, Kites; Tethered Ball Toys Holding a Pair of Cups and a Ball Attached to the End of a String, Said Ball Adapted To Be Reciprocated Between Said Cups; Games Comprising Pieces Which Are Arranged To Form Pictures; and Cartoon Games Comprising Cartoon Illustrations Which May Be Assembled in Any Desired Order With the Addition of Removable Dialogue by the User.
Claims use since Sept. 1, 1949.

Ser. No. 593,726. Anthony Hamilton, doing business under the name of 19 Forty-Niner Co., Jersey City, N. J. Filed Mar. 10, 1950.

CHIPS

The word "Chips" is disclaimed.
For Table Game Played With Chips.
Claims use since Feb. 24, 1950.

Ser. No. 594,050. Frederich H. Lawrenz, doing business as F. Lawrenz Manufacturing Co., Dallas, Tex. Filed Mar. 16, 1950.

OCTOPUS

The representation of the goods and the words "It Holds" are disclaimed.
For Trotlines, Trotline Reels, and Trotline Staging Attachments Consisting of Metal Clips for Attaching Snells to Trotlines and Formed With Fish Hook Receptacles.
Claims use since Jan. 18, 1950.

Ser. No. 594,306. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Mar. 21, 1950. (Sec. 2f.)

SAFE—T

Applicant claims ownership of Registration No. 369,101.
For Bowling Alley Ball Returns and Parts Thereof.
Claims use since Jan. 12, 1931.

Ser. No. 595,009. Stahlwood Toy Mfg. Co., Inc., New York, N. Y. Filed Mar. 31, 1950.

SPUNKY

The representation of the doll is disclaimed.
For Infants' and Children's Toys—Namely, Rattles and Dolls.
Claims use since Feb. 1, 1950.

Ser. No. 597,706. Robert E. Smith, New York, N. Y. Filed May 18, 1950.

FLUB-A-DUB

For Toy Animals.
Claims use since Feb. 21, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 505,466. Winter Brothers Company, Wrentham, Mass., and Rochester, Mich., assignor to National Twist Drill & Tool Co., Rochester, Mich. Original filed, act of 1905, July 11, 1946; amended to application under act of 1946, Principal Register, Sept. 18, 1947. (Sec. 2f as to "Winter.")

WINTER

The mark comprises a file of figures marching along a paraph which is incorporated with and above the word "Winter." The representation of a tap is disclaimed per se. Applicant claims ownership of Registrations Nos. 423,671, 431,234, and 512,810.
For Taps and Dies for Forming Screw Threads.
Claims use since 1900 as to "Winter"; and since June 25, 1946, as to the mark shown.

Ser. No. 538,337. The Yale & Towne Manufacturing Company, New York, N. Y. Filed Oct. 18, 1947.

TRANSPORTER

Applicant claims ownership of Registration No. 422,841.
For Motorized Hand Lift Trucks.
Claims use since May 1, 1942.

Ser. No. 549,214. Armstrong Cork Company, Lancaster, Pa. Filed Feb. 10, 1948. (Sec. 2f.)

Armstrong's

Applicant claims ownership of Registration No. 213,786.
For Machinery and Machine Parts—Namely, Finished and Substantially Finished Rolls, Roll Covers, Cots, Drafting Aprons, Temple Rolls, Take Up Rolls, Bumpers for Textile Looms, Brake Band Strips for Textile Looms, Friction Let Off Strips for Textile Looms, Cork Cones for Winders, Cot Assembly Machines, Cot Buffing Machines, Especially for Textile Mill Usage; Laying Tools and Equipment for Use in the Installation of Linoleum Floor and Wall Coverings, Resilient Tiles, and Other Similar Surface Coverings—Namely, Scribing Tools, Prying Bars, Seam Cutters, Linoleum Knives, Notched Metal Trowels, Notched Metal Paste Spreaders, Notched Steel Blades, Adhesive Spreaders, Notched Blade Knives for Cutting Felt Base and Felt Backed Linoleum, Seam Rollers and Fillet Forming Tools, Corner Forming Tools, Asphalt Tile Cutters, Asphalt Tile Rollers, Asphalt Tile Punches, and Linoleum Rollers; Spatulas; Box Toe Conditioning Machines; Churn Strips for Use as Push Outs for Dies; and Suppository Machines, Molds and Parts Therefor.
Claims use on machinery and machinery parts, especially for textile mill usage, since about the year 1916; on laying tools and spatulas since about the year 1933; on box toe conditioning machines since about 1935; and on suppository machines, and molds and parts therefor, since about 1938.

Ser. No. 550,951. J. P. Ratigan, Inc., Los Angeles, Calif. Filed Mar. 1, 1948. (Sec. 2f.)

RATIGAN

Applicant claims ownership of Registration No. 228,479.
For Oil Well Equipment—Namely, Oil-Less Beam Hangers and Rod Hangers, Polish Rod Grips and Clamps, Spring Sucker Rod Hooks, Sucker Rod Elevators, Spring Swivel Links and "C" Lines, Oil-Less Beam Rockers and Stirrup Bearings, Stuffing Boxes, Horseheads, Tubing Tongs, Rod Wrenches and Coupling Wrenches, Tubing Block Clamps, Bell Nipples, Shock Absorbers, Stringing-Up Links, Adjustable Sucker Rod Line Weights, Combination Rod Wipers, and Rod Cutters.
Claims use since 1917.

Ser. No. 551,436. Aldrich C. Brown, San Francisco, Calif. Filed Mar. 8, 1948.

SHAVOMAT

For Clock-Controlled, Coin-Actuated Circuit Containing an Electric Razor, and Cabinet Therefor.
Claims use since Feb. 16, 1948.

Ser. No. 555,717. The Yale & Towne Manufacturing Company, New York, N. Y. Filed Apr. 27, 1948. (Sec. 2f.)

PUL-LIFT

For Mechanical Chain Hoists.
Claims use since May 1, 1935.

Ser. No. 562,556. Hancock Tool Manufacturing Company, Philadelphia, Pa. Filed July 30, 1948.

SHEAR MAGIC!

The word "Shear" is disclaimed.
For Cutting Tools—Namely, Shears, Tinner's Snips, Aviation Shears, Cutting Pliers and Scissors, Pruning Shears, Grass Shears, and Hedge Shears.
Claims use since Jan. 1, 1948.

Ser. No. 565,269. Illinois Gear & Machine Company, Chicago, Ill. Filed Sept. 16, 1948. (Sec. 2f as to "Illinois.")

ILLINOIS GEARS

The word "Gears" and the representation of gears is disclaimed.
For Roller and Silent Chain Sprockets Made of Iron, Steel, or Bronze; Speed Reducers for the Mechanical Transmission of Motion and Power in All Types of Machinery, Particularly Crushers, Presses, Machine Tools, Tractors, Materials Handling, Earth Moving and Construction Equipment, and Agricultural and Food Processing Equipment; Machine Gears Made of Cast, Forged, or Rolled Steel, Cast Iron, Bronze, Canvas Impregnated With Phenol-Resin, Rawhide, or Pressed Cotton Impregnated With Oil; Special Machine Parts Made of Steel and Cast Iron—Namely, Spline and/or Keywayed Shafts, Jaw and Toothed Clutches, and Gear and Clutch Housings.
Claims use since 1938.

Ser. No. 565,270. Illinois Gear & Machine Company, Chicago, Ill. Filed Sept. 16, 1948. (Sec. 2f.)

ILLINOIS GEAR & MACH. CO. CHICAGO

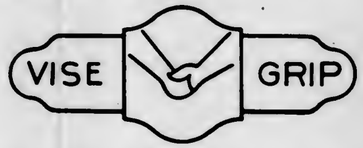
The term "Gear & Mach. Co." and the word "Chicago" are disclaimed.
For Roller and Silent Chain Sprockets Made of Iron, Steel, or Bronze; Speed Reducers for the Mechanical Transmission of Motion and Power in All Types of Machinery, Particularly Crushers, Presses, Machine Tools, Tractors, Materials Handling, Earth Moving and Construction Equipment, and Agricultural and Food Processing Equipment; Machine Gears Made of Cast, Forged, or Rolled Steel, Cast Iron, Bronze, Canvas Impregnated With Phenol-Resin, Rawhide or Fabroil; Special Machine Parts Made of Steel and Cast Iron—Namely, Spline and/or Keywayed Shafts, Jaw and Toothed Clutches, and Gear and Clutch Housings.
Claims use since 1932.

Ser. No. 567,556. C. P. Carburetor Products Company, Inc., doing business as Sherman Carburetor Parts Co., Indianapolis, Ind. Filed Oct. 25, 1948.



The words "Sherman Calibrated Precision Carburetor Parts Co." and the representation of a carburetor are disclaimed. The drawing is lined for shading only.
For Carburetor Parts.
Claims use since Oct. 4, 1948.

Ser. No. 580,508. Petersen Manufacturing Company, Inc., doing business as Petersen Mfg. Co., De Witt, Nebr. Filed June 15, 1949.



Applicant claims ownership of Registration No. 381,733.
For Sheet Metal Bending Tool.
Claims use since Oct. 15, 1948.

Ser. No. 581,663. Hartex Distributing Co., Forest Hills, N. Y. Filed July 8, 1949.

Vigorelli

For Sewing Machines and Sewing Machine Parts.
Claims use since Mar. 25, 1949.

Ser. No. 583,671. Air Associates, Inc., Teterboro, N. J. Filed Aug. 19, 1949.

THERMOLATOR

For Hydraulic Accumulators.
Claims use since July 29, 1949.

Ser. No. 583,684. Europa Commerce Incorporated, New York, N. Y. Filed Aug. 19, 1949.

Connoisseur's

For Lever Corkscrew Made of Brass or Other Metal and Finished by Polishing the Metal or by Plating With Chromium, Silver, or Other Coating, Whether Plastic or Metallic, Semi-Precious or Precious.
Claims use since Oct. 29, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 588,653. Proctor Electric Company, Philadelphia, Pa. Filed Dec. 1, 1949.

HI-LO

For Ironing Tables.
Claims use since Aug. 5, 1949.

Ser. No. 592,825. Monarch Aluminum Mfg. Company, Cleveland, Ohio. Filed Feb. 21, 1950.

VELVAGLAZE

For Cast Aluminum Washing Machine Agitators.
Claims use since Jan. 16, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 552,287. Thermo Electric Manufacturing Company, Dubuque, Iowa. Filed Mar. 18, 1948.

TEMCOMETER

Applicant claims ownership of Registration No. 408,173.
For Temperature Controllers of the Thermostatic Switch Type and Combined Thermostatic Switch Type Temperature Controllers and Indicators for Heating Equipment, Such as Furnaces, Ovens, Etc.
Claims use since Mar. 8, 1948.

Ser. No. 577,932. Babson Bros. Co., Chicago, Ill. Filed Apr. 29, 1949. (Sec. 2f.)

Air Meter

Applicant claims ownership of Registration No. 409,666.
For Vacuum Testing Apparatus for Determining Flow Conditions in a Vacuum Line for Milking Machines.
Claims use since Sept. 2, 1943.

Ser. No. 578,402. The National Cash Register Company, Dayton, Ohio. Filed May 7, 1949. (Sec. 2f.)

ALLEN WALES

Applicant claims ownership of Registrations Nos. 134,199 and 363,421.
For Adding, Listing, and Calculating Machines.
Claims use since Dec. 27, 1928.

Ser. No. 597,315. Baker & Company, Incorporated, Newark, N. J. Filed May 12, 1950.

NITRONEAL

For Electrical Thermolytic Apparatus for Generating Nitrogen and Hydrogen From Anhydrous Ammonia.
Claims use since Oct. 15, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 577,699. A. C. Becken Co., Chicago, Ill. Filed Apr. 26, 1949. (Sec. 2f as to "Heyworth.")

Heyworth

Applicant claims ownership of Registration No. 352,129.
For Watches.
Claims use since Mar. 24, 1949, on the mark shown; and since Oct. 1, 1936, on the word "Heyworth."

Ser. No. 599,759. Granat Bros., San Francisco, Calif. Filed June 23, 1950.

Orange Blossom

For Watches.
Claims use since June 8, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 540,973. Baker Brush Co., Inc., New York, N. Y. Filed Nov. 13, 1947.

BAKTN-RUBBER

The word "Rubber" is disclaimed. Applicant claims ownership of Registration No. 158,383.
For Paint Brushes.
Claims use since Feb. 7, 1922.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 574,923. Ram, Incorporated, Detroit, Mich. Filed Mar. 4, 1949.

RAM

For Ceramic Molds.
Claims use since July 11, 1947.

Ser. No. 388,144. Ram, Incorporated, Detroit, Mich. Filed Nov. 21, 1949.



For Ceramic Molds.
Claims use since Aug. 15, 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 598,249. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed May 27, 1950.

Hiawatha

"Hiawatha" is the name of the celebrated Indian chief and hero of Longfellow's poem "Hiawatha." Applicant claims ownership of Registrations Nos. 352,996 and 534,313.
For Portable Ice Boxes.
Claims use since February 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 535,984. Monarch Metal Products, Inc., Mount Vernon, N. Y. Filed Sept. 27, 1947.



The words "Metal Products Inc." are disclaimed. The drawing is lined for the colors red, blue, and yellow.
For Filing Cabinets, Mechanics Stools, Stock Racks, Vertical Stock Racks, and Utility Stands.
Claims use since Jan. 7, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 533,436. Century Engineering Corporation, Cedar Rapids, Iowa. Filed July 5, 1947.

CENTURY

Applicant claims ownership of Registrations Nos. 237,085, 342,254, and 392,317.
For Air Washers, Blower Units, and Humidifiers.
Claims use since Feb. 12, 1934.

Ser. No. 556,733. Cribben and Sexton Company, Chicago, Ill. Filed Jan. 24, 1948.

Universal

Applicant claims ownership of Registration No. 363,261.
For Stoves, Ranges, and Hot-Air Furnaces of the Types Heated by Coal, Wood, and Gas, and Parts of Such Stoves, Ranges, and Hot-Air Furnaces.
Claims use since Jan. 1, 1880.

Ser. No. 561,262. Stanley C. Paterson, Boston, Mass. Filed July 13, 1948. (Sec. 2f.)

WALTHAM

The drawing is lined for shading only. Applicant claims ownership of Registration No. 277,722.
For Oil Burners.
Claims use since Jan. 1, 1922.

Ser. No. 563,101. Automatic Range Co., Inc., New York and Brooklyn, N. Y. Filed Aug. 10, 1948.

CENTRO-FICIENT

For Burners for Cooking Ranges.
Claims use since June 30, 1948.

Ser. No. 566,138. Hajoca Corporation, Philadelphia, Pa. Filed Sept. 30, 1948.

HAJOCA

Applicant claims ownership of Registration No. 123,593.
For Oil Burner Heating Units.
Claims use since January 1939.

Ser. No. 579,753. Olympic Foundry Company, Seattle, Wash. Filed May 31, 1949. (Sec. 2f.)

TAWLKS

Applicant claims ownership of Registration No. 270,641.
For Grate Bars of Cast Metal.
Claims use since Mar. 20, 1928.

Ser. No. 583,143. The Coroaire Heater Corporation, Cleveland, Ohio. Filed Aug. 8, 1949.

Coroaire

Applicant claims ownership of Registration No. 352,958.
For Electrically Operated Air Conditioning Units—Namely, Units Which Circulate and Filter the Air; Gas Fired Furnaces, Oil Burning Furnaces and Combination Air Conditioning and Heating Units—Namely, Units Which Filter, Heat and Circulate Cold Air, and Circulate and Filter Warm Air.
Claims use since September 1936.

Ser. No. 592,562. General Motors Corporation, Detroit, Mich. Filed Feb. 16, 1950.

ROH

For Oil Burners and Parts Thereof.
Claims use since Feb. 2, 1950.

Ser. No. 592,975. Bal-Air Corporation, Nashville, Tenn. Filed Feb. 24, 1950.



For Electrically Operated Air Conditioning and Cooling Unit for Use in Homes and Offices.
Claims use since Oct. 1, 1949.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 543,280. Ernest Deffner, doing business as The Woodwind Company, New York, N. Y. Filed Dec. 4, 1947. (Sec. 2f.)

STEEL EBONITE

For Mouthpieces for Clarinets and Saxophones.
Claims use since July 1910.

Ser. No. 577,518. Coral Records, Inc., New York, N. Y. Filed Apr. 22, 1949.

CORAL

For Phonographs.
Claims use since Feb. 28, 1949.

Ser. No. 579,206. The Pedler Company, Inc., Elkhart, Ind. Filed May 20, 1949. (Sec. 2f.)

PEDLER

For Clarinets, Flutes, Piccolos, Oboes, and Bassoons.
Claims use since Jan. 15, 1916.

Ser. No. 587,465. Chicago Accordion Center, Inc., Chicago, Ill. Filed Nov. 8, 1949.



For Grooved Phonograph Records.
Claims use since Oct. 21, 1949.

Ser. No. 592,876. Chicago Musical Instrument Co., Chicago, Ill. Filed Feb. 23, 1950. (Sec. 2f.)

Camerano

For Accordions.
Claims use since 1937.

CLASS 37

PAPER AND STATIONERY

Ser. No. 534,516. C. O. Dicks Co., Detroit, Mich. Filed Sept. 15, 1947. (Sec. 2f.)

C-O-DICKS CO

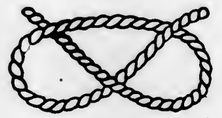
The name "C. O. Dicks" is the name of a member of the applicant firm, and consent is filed herein. The drawing is lined for the color orange. The word "Co." is disclaimed.
For Gummed Sheets of Paper Utilized in Preparing Stencils and for Prepared Stencils Formed of Paper.
Claims use since Mar. 1, 1935.

Ser. No. 550,262. Rockwell-Barnes Company, Chicago, Ill. Filed Feb. 20, 1948. (Sec. 2f.)

SPOTSEALD

Applicant claims ownership of Registration No. 321,278.
For Paper Rolls for Printing.
Claims use since Dec. 1, 1933.

Ser. No. 569,667. Brittains, Limited, Cheddleton Paper Mills, near Leek, Staffordshire, England. Filed Dec. 1, 1948.



MILL 630

The word "Mill" is disclaimed. Applicant claims ownership of Registration No. 74,010.
For Lithographic Transfer Paper.
First used in January 1907; and first used in commerce between Great Britain and the United States which may lawfully be regulated by Congress on June 9, 1908.

Ser. No. 582,838. Interchemical Corporation, New York, N. Y. Filed Aug. 2, 1949.

The Red Whiting Hood

Applicant claims ownership of Registration No. 267,086.
For Typewriter Accessory Comprising a Backing Sheet and a Series of Fasteners for Holding a Plurality of Carbon Sheets at One Edge To Permit Ready Insertion of Impression Sheets in Relation Thereto.
Claims use since Jan. 1, 1929.

Ser. No. 585,771. Standard Cap and Seal Corporation, Chicago, Ill. Filed Oct. 4, 1949.

ZONEDON

For Coated Paper Which Is Sold in Sheet Form When Marketed in the Trade, Used as a Sealing Liner in Caps Which Are Used as Closures on Glass, Metal, or Other Containers Used for Packaging Food, Fruits, Drugs, Cosmetics, Etc.
Claims use since Sept. 6, 1949.

Ser. No. 594,049. Paul W. La Plante, doing business as Mystic Novelties Sales Company and as The Calendater Company, Medford and Boston, Mass. Filed Mar. 16, 1950.

Calendater

For Perpetual Calendars.
Claims use since Feb. 27, 1950.

Ser. No. 596,904. F. D. S. Manufacturing Company, also doing business as F-D-S Manufacturing Company, Inc., Pomona, Calif. Filed May 5, 1950.

(F-D-S)

For Ventilated Cushion-Like Pads, Made of Corrugated Paper for Use in Packing Fresh Fruits and Vegetables and for Packing and Padding All Kinds of Merchandise To Insure Against Breakage.
Claims use since Mar. 30, 1950.

Ser. No. 597,360. Sylvania Electric Products Inc., New York, N. Y. Filed May 12, 1950.

SYLVANIA

For Mechanical Pencils.
Claims use since June 3, 1930.

Ser. No. 597,395. Golden Fleece Tissue Mills, Inc., New York, N. Y. Filed May 13, 1950.

Kitty

For Facial Tissues.
Claims use since May 8, 1950.

Ser. No. 597,470. Sitroux Incorporated, New York, N. Y. Filed May 15, 1950.

LUSTRON

For Cleansing Tissues.
Claims use since Dec. 13, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 560,083. The American Heritage Foundation, Washington, D. C., and New York, N. Y. Filed June 24, 1948.



For Booklets, Pamphlets, Circulars, Educational Leaflets and Books, Picture Post Cards, Publicity Releases, and Printed Placards and Posters.
Claims use since Dec. 11, 1947.

Ser. No. 592,982. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Feb. 24, 1950.



The word "Stores" is disclaimed. Applicant claims ownership of Registration No. 311,743.
For Weekly Periodical, and Prepared Advertising, Sold as Such.
Claims use since January 1947.

CLASS 39

CLOTHING

Ser. No. 540,275. Grace Corset Company, Kalamazoo, Mich. Filed Nov. 6, 1947.

GRACEFLEX

For Corsets, Girdles, Brassières, and Bandeaux.
Claims use since Mar. 14, 1947.

Ser. No. 550,343. Pinfree Mfg. Co., Inc., Boston, Mass. Filed Feb. 21, 1948. (Sec. 2f.)

PINFREE

Applicant claims ownership of Registration No. 362,480.
For Children's and Infants' Garments—Namely, Diapers, Diaper Covers, and Underpants, Under Shirts, and Vests.
Claims use since May 24, 1937.

Ser. No. 567,082. Lubin-Weeker Co., Inc., New York, N. Y. Filed Oct. 16, 1948.

EVERY NIGHTER

For Men's and Boys' Pajamas.
Claims use since Sept. 26, 1948.

Ser. No. 576,409. Hi-Line Co., Inc., New York, N. Y. Filed Mar. 31, 1949.



For Children's, Boys', Girls', Misses', and Women's Apparel—Namely, Overalls, Coveralls, Suits, Blouses, Blouse and Pants Combinations, Dresses; Sleeping Garments—Namely, Pajamas and Nightgowns; Playsuits and Sunsuits.
Claims use since Mar. 9, 1949.

Ser. No. 576,961. Dexdale Hosiery Mills, Lansdale, Pa. Filed Apr. 12, 1949.

Golden Veil

For Hosiery for Women and Girls.
Claims use since Mar. 16, 1949.

Ser. No. 578,306. William H. Zaun, New York, N. Y. Filed May 5, 1949.

Barbara Denison

FASHION

The word "Fashion" is disclaimed. The words "Barbara Denison" are written in the facsimile handwriting of Miss Barbara Denison Zaun whose consent to register is of record.
For Dresses and Playwear—Namely, Playsuits and Sunsuits for Women, Juniors, and Teens.
Claims use since Oct. 3, 1946.

Ser. No. 579,963. Bates Manufacturing Company, Lewiston, Maine. Filed June 4, 1949.

Cape-Lite

For Men's Outer Shirts.
Claims use since Apr. 20, 1949.

Ser. No. 581,134. Juliette Originals, Minneapolis, Minn. Filed June 27, 1949.

Paula Dean originals

The word "Originals" is disclaimed. "Paula Dean" is the given name of Paula Dean Gurstel, the minor daughter of Jules and Etta Gurstel, members of the applicant firm.
For Women's Dresses.
Claims use since Mar. 18, 1949.

Ser. No. 584,057. Forest City Manufacturing Company, St. Louis, Mo. Filed Aug. 26, 1949.

June Patton

The name "June Patton" is fanciful.
For Outer Wearing Apparel for Women and Girls—Namely, Dresses, Jackets; and Sportswear—Namely, Sun-Suits, Sun-Dresses, Culottes, and Halter-Type Dresses.
Claims use since Aug. 19, 1949.

Ser. No. 588,088. Hat Corporation of America, Norwalk, Conn. Filed Nov. 19, 1949.

CROSS COUNTRY

Applicant claims ownership of Registration No. 234,609.
For Articles of Wearing Apparel and Dress Accessories for Men as Follows: Hats, Overcoats, Raincoats, Sweaters, Leather Shoes, Leather Gloves, Scarfs, and Neckties; and Articles of Wearing Apparel and Dress Accessories for Women as Follows: Hats, Overcoats, Raincoats, and Scarfs.
Claims use since 1920.

Ser. No. 588,874. Kathryn E. Mitchell, Boise, Idaho. Filed Dec. 6, 1949.

KNEE-ON

The word "Knee" is disclaimed.
For Children's and Men's Pants and Ladies' Slacks.
Claims use since Nov. 28, 1949.

Ser. No. 589,311. Goodco Shirt Corporation, New York, N. Y. Filed Dec. 14, 1949.

Palm Lane GOODCO

For Men's and Boys' Dress and Negligee Shirts.
Claims use since Jan. 3, 1949.

Ser. No. 589,312. Goodco Shirt Corporation, New York, N. Y. Filed Dec. 14, 1949.

MADISON SQUARE GOODCO

Applicant claims ownership of Registration No. 236,458.
For Men's and Boys' Dress and Negligee Shirts.
Claims use since Mar. 15, 1927.

Ser. No. 589,939. R. H. Macy & Co., Inc., New York, N. Y. Filed Nov. 30, 1949.

"Dunbarton"

For Men's and Boys' Suits and Overcoats, Sweaters; Beach, Bath and House Robes; Pajamas; Dress, Negligee, and Work Shirts; Neckties, Mufflers, and Hats.
Claims use since September 1922.

Ser. No. 590,771. Witty Brothers Inc., New York, N. Y. Filed Jan. 12, 1950.

RAJURA

For Men's Clothing—Namely, Overcoats, Topcoats, Suits, and Sport Jackets.
Claims use since May 1949.

Ser. No. 591,032. Glensder Textile Corp., New York, N. Y. Filed Jan. 18, 1950.

Glensder

For Ladies' and Children's Scarfs, Handkerchiefs, Hats, and Hoods.
Claims use since Dec. 28, 1918.

Ser. No. 592,844. Rose & Blairman Limited, London, England. Filed Feb. 21, 1950. (Sec. 2f.)

DORVILLE

Applicant claims ownership of Registration No. 346,472.
For Dresses, Ladies' Suits, Blouses, Knitted Suits, Knitted Jumpers, Dressing Gowns, Dressing Jackets, Bathing Suits, Beach Pajamas, Golf Jackets, Trousers, Outer Shorts, and Hats, All Being Articles of Women's Clothing.
Claims use since Jan. 11, 1934.

Ser. No. 592,977. William Boyd, Beverly Hills, Calif. Filed Feb. 24, 1950.

HOPALONG CASSIDY

The name "Hopalong Cassidy" is fictitious.
For Children's Clothing Consisting of Hats, Jodhpurs, Jacquards, Sweaters, Leather Jackets, Poplin Jackets, Gabardine Jackets, Bathing Suits and Trunks, Neckties, Scarves, Sweatshirts, Playsuits, Cowboy Suits, Outer Shirts, Coats, Pants, Jeans, Gloves, Mittens, Raincoats, Ponchos, Hosiery, Belts, Suspenders, and Girls' Outer Dresses.
Claims use since June 15, 1949.

Ser. No. 593,111. Dallas Hat Mfg. Co., Inc., Dallas, Tex. Filed Feb. 27, 1950.

Janice

Applicant claims ownership of Registration No. 209,422.
For Women's and Children's Hats.
Claims use since Jan. 1, 1925.

Ser. No. 594,121. Goldring Inc., New York, N. Y. Filed Mar. 17, 1950.

Brentley

Applicant claims ownership of Registrations Nos. 344,740 and 295,091.
For Hosiery for Women and Misses.
Claims use since Mar. 6, 1950.

Ser. No. 594,153. Swann-Abram Hat Company, Inc., Louisville, Ky. Filed Mar. 17, 1950.

ART STYLE

The word "Style" is disclaimed. Applicant claims ownership of Registration No. 273,447.
For Men's Hats and Caps.
Claims use since Feb. 10, 1930.

Ser. No. 594,484. Mid City Uniform Cap Company, Chicago, Ill. Filed Mar. 23, 1950.

MC

For Uniform Caps for Men, Boys, Women, and Girls.
Claims use since 1927.

Ser. No. 594,871. Transparent Packings, Inc., Greensboro, N. C., assignor to Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina. Filed Mar. 29, 1950.

MELISSA

For Hosiery for Women and Girls.
Claims use since Aug. 23, 1949.

Ser. No. 595,323. Kline Brothers Co., New York, N. Y. Filed Apr. 6, 1950.

Peggy Lee

The name "Peggy Lee" is merely fanciful and is not the name of any particular living individual.
For Children's and Infants' Silk, Cotton, Wool, and Rayon Coats and Dresses.
Claims use since May 6, 1929.

Ser. No. 595,496. Donbobb Corporation, New York, N. Y. Filed Apr. 10, 1950.

Dobosheen

For Hat Bodies of Fur Felt for Ladies' Hats.
Claims use since Mar. 14, 1950.

Ser. No. 596,210. S. Weitz & Co., Inc., Cleveland, Ohio. Filed Apr. 22, 1950.

Kamaroch

For Women's and Misses', Boys', Youths', and Men's Raincoats, Topcoats, and Overcoats.
Claims use since Mar. 24, 1950.

Ser. No. 596,349. Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Filed Apr. 26, 1950.

FURKASHA

For Sweaters, Mufflers, Apparel Wristlets, Basque Shirts, and Socks for Men, Women, Boys, and Girls.
Claims use since Apr. 14, 1950.

Ser. No. 596,615. Mid City Uniform Cap Co., doing business under the name of Citation Hats of Distinction, Chicago, Ill. Filed Apr. 29, 1950.

The Elector

For Men's Hats.
Claims use since Jan. 3, 1950.

Ser. No. 596,712. Champ Hats, Inc., Philadelphia, Pa. Filed May 2, 1950.

PIN-UP CHAMP

Applicant claims ownership of Registrations Nos. 346,141, 387,948, 391,689, and 392,124.
For Men's and Boys' Hats and Caps.
Claims use since Mar. 1, 1950.

Ser. No. 596,828. The Boss Manufacturing Company, Kewanee, Ill. Filed May 4, 1950.

Acorn Brand Gloves

The words "Brand" and "Gloves" are disclaimed. Applicant claims ownership of Registration No. 372,439.
For Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Mar. 24, 1950.

Ser. No. 596,829. The Boss Manufacturing Company, Kewanee, Ill. Filed May 4, 1950.

THE BOSS MANUFACTURING COMPANY · Acorn Brand Gloves

The words "Brand" and "Gloves" are disclaimed. Applicant claims ownership of Registration No. 372,439.
For Gloves and Mittens of Leather.
Claims use since Mar. 17, 1950.

Ser. No. 597,205. Hand Knit Hosiery Company, Sheboygan, Wis. Filed May 10, 1950.

Wigwam

Applicant claims ownership of Registration No. 378,171.
For Knitted Wearing Apparel—Namely, Hosiery, Caps, Sweaters, Mittens, and Socks Attached To Leather Soles.
Claims use since 1901.

Ser. No. 597,819. Delightform Foundations, Inc., Easton, Pa. Filed May 20, 1950.

SLIP-MATES

The word "Slip" is disclaimed.
For Brassières and Slips.
Claims use since May 1, 1950.

Ser. No. 598,427. The McKay Products Corporation, New York, N. Y. Filed June 1, 1950.

Slipmates

For Combination Slip and Blouse, and Ladies' Underwear.
Claims use since May 15, 1950.

Ser. No. 599,178. Junior League Frocks, Inc., New York, N. Y. Filed June 15, 1950.

V.I.P. Fashions

The word "Fashions" is disclaimed.
For Women's Dresses.
Claims use since May 22, 1950.

Ser. No. 599,489. Belding Heminway Company, Inc., New York, N. Y. Filed June 21, 1950.

HEARTSCENT

For Ladies' Slips.
Claims use since June 6, 1950.

Ser. No. 599,505. Edmont Manufacturing Company, Coshocton, Ohio. Filed June 21, 1950.

Grab-it

For Work Gloves, Made of Fabric With a Rubber Coating.
Claims use since Apr. 1, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 522,520. Valcort Hosiery Corporation, New York, N. Y. Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Principal Register, Nov. 30, 1948.

Just for you

For Knitted Goods in the Piece of Rayon and Nylon Yarns, To Be Cut Into Shapes for Women's Full Fashioned Hosiery.
Claims use since January 1947.

Ser. No. 568,837. Crompton Company, Crompton, R. I. Filed Nov. 16, 1948.

VICTORIANA

For Corduroy Fabrics in the Piece Composed of Cotton Fibers.
Claims use since Oct. 22, 1948.

Ser. No. 574,759. Dura-Wear Products Corporation, Newark, N. J. Filed Mar. 2, 1949.

DURA-WEAR

No claim is made to the word "Wear."
For Tablecloths, Tablecloth Covers, Ruffled Curtains, and Ruffled Cottage Sets, All Made of Plastic Film.
Claims use since June 19, 1946.

Ser. No. 578,605. Malamut & Chanen, Philadelphia, Pa. Filed May 11, 1949.

Starlet

For Textile Ribbon.
Claims use since Oct. 28, 1947.

Ser. No. 580,050. Crompton Company, Crompton, R. I. Filed June 7, 1949.

WEDDING VEL

For Velvet Fabrics in the Piece Composed of Cotton, Wool, Silk, and Synthetic Fibers.
Claims use since May 13, 1949.

Ser. No. 580,579. Centrotex, Prague, Czechoslovakia. Filed June 16, 1949.

CENTROTEX

Applicant claims ownership of Czechoslovakian Registration No. 106,083, dated Dec. 12, 1948.
For All Fabrics, Including Lining, Shoe, Fur, Velvet, Wide Elastic, Canvas, Burlap, Oil Press, Filter, Terry Cloth, Cheese Cloth, Ticking, and Clothing Fabrics, Coated and Uncoated, of Wool, Silk, Hair, Hemp, Flax, Jute, Ramie, Cotton, Paper, Straw, Synthetic Fibres, and Combination Thereof; Tulle; Mailine; Veils; Textile Ribbons; Textile Carpets and Rugs; Tapestries; Window and Shower Curtains; Draperies; Wall Hangings; Gauze; Sheeting; Pillow Tubing; Sheets; Pillow and Bolster Cases; Bedspreads; Blankets; Comforts; Quilts; Quilted Mattress Pads; Towels; Tablecloths and Napkins; and Doilies.

Ser. No. 588,022. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Nov. 18, 1949.

Vapotex

For Waterproofed Fabrics of Cotton, Silk, and Wool Coated With Natural or Synthetic Rubber.
Claims use since Nov. 4, 1949.

Ser. No. 592,984. Donaldson Brothers (Alloa 1937) Limited, Alloa, Scotland. Filed Feb. 24, 1950.

Donbros

For Knitted Fabric of Wool, Cotton and Wool, and Wool and Nylon.
Claims use since Dec. 14, 1923, in Great Britain; and use between Great Britain and the United States in commerce, which may lawfully be regulated by Congress, since December 1937.

Ser. No. 593,357. Koninklijke Stoomweverij te Nijverdal N. V., Almelo, Holland. Filed Mar. 3, 1950.



Applicant claims ownership of Dutch Registration No. 91,691, dated Mar. 10, 1948 (originally registered on June 11, 1908).
For Cotton Drapery Piece Goods.
Claims use since June 1908 in the Netherlands; and use in commerce between the Netherlands and the United States, which may lawfully be regulated by Congress, since Nov. 7, 1949.

Ser. No. 594,346. Martin Weiner, doing business under the firm name and style of Martin Weiner Co., New York, N. Y. Filed Mar. 21, 1950.

FACONYL

For Rayon and Nylon Fabrics in the Piece.
Claims use since Jan. 5, 1949.

Ser. No. 594,805. National Mallinson Fabrics Corporation, New York, N. Y. Filed Mar. 28, 1950.



The representation of the man is fanciful. The word "Waikiki" is disclaimed.
For Fabrics in the Piece of Synthetic Fibres.
Claims use since Mar. 23, 1949.

Ser. No. 595,161. Sears, Roebuck and Co., Chicago, Ill. Filed Apr. 3, 1950.

SEROWOOL

For Textile Rugs and Carpeting, Formed Wholly or in Substantial Part of Wool.
Claims use since February 1949.

Ser. No. 595,200. Forstmann Woolen Co., Passaic, N. J. Filed Apr. 4, 1950. (Sec. 2f.)

SELECTA

Applicant claims ownership of Registration No. 197,462.
For Woolen Piece Goods.
Claims use since Oct. 1, 1923.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 529,956. Armstrong Cork Company, Lancaster, Pa. Filed July 30, 1947. (Sec. 2f as to "Armstrong's.")

Armstrong's Nurser

The word "Nurser" is disclaimed.
For Nursing Bottles.
Claims use since April 1947 as to the mark shown; and since December 1938 as to "Armstrong's."

Ser. No. 543,148. The Dentists' Supply Company of New York, New York, N. Y. Filed Dec. 3, 1947. (Sec. 2f.)

TRUWAX

For Dental Waxes and Dental Wax Compositions Generally for Use in Making Wax Patterns of Full and Partial Dentures in the Practice of Prosthetic Dentistry.

Claims use since September 1920.

Ser. No. 552,851. A. G. fur Elektro-Akustik, Zurich, Switzerland. Filed Mar. 24, 1948.

PHONAK

Applicant claims ownership of Swiss Registration No. 122,098, dated Sept. 26, 1947.

For Auditory Prothesis and Hearing Aids for Persons Hard of Hearing.

Ser. No. 559,272. C. R. Bard, Inc., Summit, N. J. Filed June 16, 1948.

BARDEX

For Filiforms, Followers, Catheters, Bougies, Drains, and Pezzers.

Claims use since Jan. 1, 1938.

Ser. No. 572,146. The Amalgamated Dental Company Limited, London, England. Filed Jan. 14, 1949. (Sec. 2f.)

ASH

For Dental Appliances—Namely, Amalgam Carriers; Burs; Clamps; Drills; Elevators; Extracting Forceps; Tongue Forceps; Handpieces, i. e., Bur Holders; Long Handled Instruments — Namely, Burnishers, Carvers, Chisels, Excavators, Lancets, Mallet Points, Plastic Fillings, Probes or Explorers, Scalers, Scalpels, Spatulas, Stoppers, and Trimmers; Mandrels; Tweezers; Articulators; Flasks; Impression Trays; Pliers; and Suction Discs.

Claims use since January 1924 in Great Britain; and first used in commerce between Great Britain and the United States which may lawfully be regulated by Congress in January 1924.

Ser. No. 575,396. E & J Manufacturing Co., Glendale, Calif. Filed Mar. 14, 1949.

Resuscinette

For Resuscitator Bassinet.

Claims use since Oct. 6, 1948.

Ser. No. 578,059. United States Rubber Company, New York, N. Y. Filed Apr. 30, 1949.

Koylon

Applicant claims ownership of Registrations Nos. 388,646, 396,958, and 396,959.

For Ring Shaped Cushion of Foam Rubber for Hospital Use and Operating Table Pads of Foam Rubber.

Claims use on rings since Oct. 1, 1945; and on pads since May 1, 1946.

Ser. No. 582,034. Eljan Dental Products Co., Chicago, Ill. Filed July 15, 1949.

PLATONIUM

For Platinum Alloy Used in Casting Dentures.

Claims use since June 6, 1949.

Ser. No. 587,782. Air-Shields, Inc., Hatboro, Pa. Filed Nov. 15, 1949.

CROUPETTE

For Portable Humidification Apparatus for Use in Treatment of Respiratory Ailments.

Claims use since November 1948.

Ser. No. 591,632. Mercantile Machine & Mfg. Co., Inc., Brooklyn, N. Y. Filed Jan. 28, 1950.

PICK-A-DILLIES

The word "Pick" is disclaimed.

For Plastic Party Picks.

Claims use since Jan. 3, 1950.

Ser. No. 596,989. William G. Eckert, doing business under the name Quadson Instrument Company, Los Angeles, Calif. Filed May 6, 1950.

MAGNIFLEX

For Electrically Operated Physio-Therapy Machines.

Claims use since November 1948.

Ser. No. 596,990. William G. Eckert, doing business under the name Quadson Instrument Company, Los Angeles, Calif. Filed May 6, 1950.

MEDOTRONIC

For Electrically Operated Physio-Therapy Machines.

Claims use since July 28, 1949.

Ser. No. 597,708. The Star Dental Manufacturing Co., Inc. (also known as Star Dental Manufacturing Company, Inc., Star Dental Manufacturing Co., Inc., and Star Dental Mfg. Co., Inc.), Philadelphia, Pa. Filed May 18, 1950.

STROBODISK

For Dental Abrading Disks.

Claims use since Apr. 11, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 562,614. Lush Julep Blenders, Kansas City, Kans. Filed July 31, 1948.

LUSH

For Maltless Soft Drinks.

Claims use since June 1, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 510,391. Irving Horowitz, doing business as Post Trading Co., Los Angeles, Calif. Original filed, act of 1905, Oct. 7, 1946; amended to application under act of 1946, Principal Register, Oct. 25, 1947.

TREASURE WAGON

For Cookies.

Claims use since Sept. 6, 1946.

Ser. No. 510,814. Turlock Co-Operative Growers, Modesto, Calif. Original filed, act of 1905, Oct. 12, 1946; amended to application under act of 1946, Principal Register, Aug. 18, 1947.

BARGE

For Canned Fruits.

Claims use since 1932.

Ser. No. 520,420. Schultz, Baujan & Co., Beardstown, Ill. Original filed, act of 1905, Apr. 9, 1947; amended to application under act of 1946, Principal Register, Apr. 23, 1949. (Sec. 2f as to "The Beardstown Mills.")

"The Beardstown Mills"

For Wheat Flour, Cake Flour, Corn Meal, Shelled Corn in Bulk, Oats in Bulk; and Commercial Feed for Livestock and Poultry Consisting Principally of Grains, Meat Scraps, Vitamins, and Minerals.

Claims use since Dec. 20, 1938, as to the words "The Beardstown Mills"; and since Jan. 1, 1946, as to the mark shown.

Ser. No. 522,477. Van Camp Sea Food Co., Inc., Terminal Island, Calif. Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Principal Register, Jan. 20, 1950. (Sec. 2f.)

SAN LUCAS

For Canned Tuna Fish.

Claims use since 1920.

Ser. No. 524,703. Maison E. H. Glass, Inc., New York, N. Y. Original filed, act of 1905, June 24, 1947; amended to application under act of 1946, Principal Register, Sept. 30, 1949. (Sec. 2f.)

maison glass

For Canned and Bottled Fruits, Mushrooms, and Asparagus; Canned Smothered Onions, Peas, Beets, Scallops, and Lobster; Cheese, Jelly, Tea, Coffee, and Mince Meat.

Claims use since Dec. 31, 1927.

Ser. No. 529,061. Charles Lipson Co., Philadelphia, Pa. Filed July 21, 1947.

ICICLE MINTS

The word "Mints" is disclaimed.

For Candy Mints.

Claims use since Dec. 10, 1946.

Ser. No. 529,619. Farley Manufacturing Company, Chicago, Ill. Filed July 26, 1947.

"ON TOPS"

For Candy in Colored Granular or Other Finely Divided Form Adapted for Use as Decoration on Various Food Preparations.

Claims use since May 1, 1947.

Ser. No. 531,641. H. Baron & Co. Inc., Linden, N. J., assignor to Airline Foods Corporation, New York, N. Y., a corporation of Delaware. Filed Aug. 18, 1947.

BARON

Applicant claims ownership of Registrations Nos. 318,503 and 414,456.
For Fruit Preserves, Jellies, and Canned Crushed Fruits, for Food Purposes.
Claims use since 1920.

Ser. No. 535,483. Chickasha Milling Company, Chickasha, Okla. Filed Sept. 24, 1947.

SEARCHLIGHT

For Wheat Flour.
Claims use since Aug. 24, 1901.

Ser. No. 537,567. Corona Citrus Association, Corona, Calif. Filed Oct. 11, 1947.

SUNSET

For Fresh Citrus Fruit.
Claims use since 1904.

Ser. No. 538,811. Jesse Willard Porter, doing business as Cupid Ice Cream Co., Greensboro, Md. Filed Oct. 23, 1947.

CUPID

For Ice Cream.
Claims use since June 25, 1921.

Ser. No. 542,674. The Southwest Cracker Company, Wichita, Kans. Filed Nov. 28, 1947.

Gold Medal

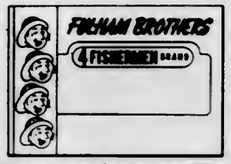
For Crackers.
Claims use since January 1908.

Ser. No. 547,821. Arthur S. Bowes, doing business as Arthur S. Bowes and Associates, Chicago, Ill. Filed Jan. 23, 1948.

BEACON

For Ice Cream Cones.
Claims use since Dec. 17, 1947.

Ser. No. 557,126. Fulham Brothers, Inc., Boston, Mass. Filed May 15, 1948.



The words "Brand" and "Fulham Brothers" are disclaimed.
For Frozen Fish.
Claims use since Jan. 1, 1948.

Ser. No. 558,576. Mother Kern's Products, Inc., Chicago, Ill. Filed June 5, 1948.



Applicant disclaims the name "Kern's." The mark consists of the name "Mother Kern's" and the head and shoulders of a woman, the representation of the woman being fanciful. Applicant claims ownership of Registration No. 249,377.
For Mustard.
Claims use since Nov. 1, 1927.

Ser. No. 561,032. Norris Inc., Atlanta, Ga. Filed July 9, 1948.

LITTLE RED RIDING HOOD

For Candy.
Claims use since Mar. 1, 1929.

Ser. No. 561,364. Kansas Egg & Poultry Co., Hillsboro, Kans. Filed Sept. 23, 1947.



Applicant claims ownership of Registration No. 65,375.
For Fresh Eggs, Frozen Eggs, and Dried Eggs.
Claims use since Sept. 10, 1900.

Ser. No. 561,430. John N. Germack, doing business under the name Zenobia Company, New York, N. Y., assignor to John N. Germack (an individual), doing business as Zenobia Company, New York, N. Y. Filed Mar. 31, 1948.

ZENOBIA

Applicant claims ownership of Registration No. 258,237.
For Roasted, Salted Nuts.
Claims use since Dec. 1, 1925.

Ser. No. 563,527. Rose Packing Company, Inc., Chicago, Ill. Filed June 4, 1948.

Winner

Applicant claims ownership of Registration No. 80,329.
For Canned Ham, Smoked Ham, Bulk Pure Pork Sausage, Bacon, Smoked Butts, Canned Chopped Ham, Canned Spiced Luncheon Meat.
Claims use since Jan. 1, 1906.

Ser. No. 563,875. W. H. Smira & Son, Inc., Providence, R. I. Filed Aug. 23, 1948.

food fantasys

No claim is made to the word "Food."
For Pickles, Chopped Pickle Relishes, Pickled Onions, Pickled Cauliflower and Pickled Peppers.
Claims use since June 30, 1948.

Ser. No. 564,655. Safeway Stores, Incorporated, Oakland, Calif. Filed Sept. 3, 1948.

Glenbrook

Applicant claims ownership of Registrations Nos. 290,142 and 321,933.
For Cheese.
Claims use since Sept. 3, 1947.

Ser. No. 566,372. R. R. ...aron & Sons Company, Califon, N. J. Filed Oct. 2, 1948. (Sec. 2f as to the word "Waldron's.")



Applicant claims ownership of Registration No. 349,871.
For Fluid Milk.
Claims use since June 1, 1948, on the mark as shown; and since 1914 as to the mark "Waldron's."

Ser. No. 567,815. The Ubiko Milling Company, St. Bernard, Ohio. Filed Oct. 28, 1948. (Sec. 2f.)

HONEYCOMB

For Livestock Feed Consisting Principally of Protein, Fat, Fiber, and Nitrogen Free Extract.
Claims use since Jan. 11, 1931.

Ser. No. 568,236. E. J. Brach & Sons, Chicago, Ill. Filed Nov. 5, 1948.

SWING TWINS

Applicant claims ownership of Registration No. 347,082.
For Candy.
Claims use since Feb. 5, 1948.

Ser. No. 569,166. Manley, Inc., Kansas City, Mo. Filed Nov. 20, 1948.



The words "Manley's" and "Popcorn" are disclaimed. The drawing is lined for blue and red.
For Raw and Popped Popcorn.
Claims use since 1925.

Ser. No. 570,816. Wm. M. Allison & Co., New York, N. Y. Filed Dec. 11, 1948.



The word "Brand" is disclaimed.
For Pistachio Nuts.
Claims use since Aug. 30, 1948.

Ser. No. 571,428. Gumakers of America, Inc., Clifton Heights, Pa. Filed Dec. 31, 1948.

VOCALETS

For Chewing Gum.
Claims use since Mar. 1, 1948.

Ser. No. 571,808. Leon G. Kingsley, doing business under the trade name Kingsley Flour Company, New York, N. Y. Filed Jan. 7, 1949.

GOLD CAPE

For Wheat Flour.
Claims use since Dec. 28, 1948.

Ser. No. 572,697. The Siler City Mills, Inc., Siler City, N. C. Filed Jan. 24, 1949. (Sec. 2f.)

Gotham

For Poultry Feed the Principal Ingredients of Which Are Corn Meal, Soybean Meal, Alfalfa Meal, Wheat By-Products, Cotton Seed Meal, Meat Scraps, Fish Meal, Potato Meal, Lespedeza Hay, and Oats.
Claims use since 1928.

Ser. No. 572,944. Central Soya Company, Inc., Fort Wayne, Ind. Filed Jan. 28, 1949. (Sec. 2f.)

HUMMER

For Stock Feeds Consisting of Malt Sprouts, Corn Gluten Feed, Soybean Oil Meal, Citrus Pulp, Cottonseed Meal, Alfalfa Meal, Ground Barley Feed, Molasses, Ground Limestone, and Salt.
Claims use since July 1931.

Ser. No. 574,888. Blum's, San Francisco, Calif. Filed Mar. 4, 1949. (Sec. 2f.)

Blum's

Applicant claims ownership of Registrations Nos. 430,851, 430,852, 430,853, 430,854, and 440,267.
For Candy.
Claims use since Oct. 1, 1904.

Ser. No. 577,161. Allied Confections, Inc., New York, N. Y. Filed Apr. 15, 1949.

Bisq-Almonds

The word "Almonds" is disclaimed.
For Candies.
Claims use since Jan. 28, 1949.

Ser. No. 579,733. Calo Dog Food Company, Inc., Oakland, Calif. Filed May 31, 1949.

CALO

For Canned Dog and Cat Food, Comprised of Meat and Meat Byproducts, Fortified With Vitamins, Fish Oils, Seasonings, and Other Nutritive Ingredients.
Claims use since Aug. 1, 1927.

Ser. No. 580,204. Theodore Ristorcelli, New York, N. Y. Filed June 9, 1949.

RISTOR

For Prepared Sauce Containing Tomatoes, Sugar, Onions, Cider Vinegar, Salt, Mustard Seed, and Spices for Meats, Fish, Fowl, and Other Foods.
Claims use since Mar. 16, 1949.

Ser. No. 580,415. Kraft Foods Company, Chicago, Ill. Filed June 14, 1949.

Chedett

Applicant claims ownership of Registrations Nos. 213,953, 217,630, and 356,263.
For Cheese.
Claims use since Nov. 15, 1937.

Ser. No. 583,583. American Food Laboratories, Inc., Brooklyn, N. Y. Filed Aug. 17, 1949.

STA-VEL

For Compound, Powder or Mix, Which Provides Stabilizing Qualities and Is Especially Adapted for Use in the Manufacture of Frozen Desserts—Namely, Ice Cream, Sherbets, Mousses, Ices.
Claims use since Apr. 1, 1949.

Ser. No. 587,027. Harrison & Jarboe, Sherwood, Md. Filed Oct. 29, 1949. (Sec. 2f.)

Claiborne

For Canned Vegetables—Namely, Canned Tomatoes.
Claims use since 1925.

Ser. No. 587,028. Harrison & Jarboe, Sherwood, Md. Filed Oct. 29, 1949. (Sec. 2f.)

DOVER

For Canned Vegetables—Namely, Canned Tomatoes.
Claims use since 1928.

Ser. No. 587,815. Netlee Packing Company, Chicago, Ill. Filed Nov. 15, 1949.

TYME-LEE

For Potted Meat, Bulk Sausage, and Vienna Sausage.
Claims use since July 27, 1948.

Ser. No. 595,272. M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio. Filed Apr. 5, 1950.

ZERO

The drawing is lined for red, but no claim is made to such color as a specific feature of the instant trade-mark.
Applicant claims ownership of Registration No. 145,987.
For Dessert Food Mix, Consisting of Sugars, Non-Fat Milk Solids, Egg Yolk Solids, Vegetable Stabilizers, Gum Tragacanth, Glyceryl Stearate, Natural and Artificial Flavoring and Coloring, Used in Making Frozen Desserts.
Claims use since Mar. 2, 1950.

Ser. No. 596,625. Perk Dog Food Co., doing business under the style of Perk Foods Co., Chicago, Ill. Filed Apr. 29, 1950.

PERK

Applicant claims ownership of Registrations Nos. 354,755 and 523,116.
For Canned Horse Meat for Human Consumption.
Claims use since Aug. 26, 1937.

Ser. No. 596,830. Candymasters Incorporated, Minneapolis, Minn. Filed May 4, 1950.

Coconut Hill

The word "Coconut" is disclaimed. Applicant claims ownership of Registration No. 410,969.
For Candy Bars.
Claims use since Mar. 20, 1949.

Ser. No. 596,831. Candymasters Incorporated, Minneapolis, Minn. Filed May 4, 1950.

Brazil Hill

The word "Brazil" is disclaimed. Applicant claims ownership of Registration No. 410,969.
For Candy Bars.
Claims use since Oct. 2, 1948.

Ser. No. 597,313. Amurol Products Co., Chicago, Ill. Filed May 12, 1950.

Amurol

Applicant claims ownership of Registration No. 523,844.
For Chewing Gum.
Claims use since Jan. 12, 1950.

Ser. No. 597,364. The Umatilla Fruit Company, Umatilla, Fla. Filed May 12, 1950.

Little WARRIOR

Applicant claims ownership of Registration No. 226,970.
For Fresh Citrus Fruits.
Claims use since Jan. 25, 1950.

Ser. No. 597,884. Hutchinson Candies, Inc., San Francisco, Calif. Filed May 22, 1950.

PINKIE

For Candy Bars.
Claims use since May 1, 1950.

Ser. No. 598,013. Grace E. Hartley, Baxter Springs, Kans. Filed May 24, 1950.

SUPPER Club

For Bottled Salad Dressing.
Claims use since July 20, 1949.

Ser. No. 598,915. August C. Kirchhoff & Co., Chicago, Ill. Filed June 10, 1950.

FRENSTAR

For Cheese.
Claims use since Jan. 17, 1950.

Ser. No. 605,378. The Suffolk Peanut Company, Suffolk, Va. Filed Oct. 24, 1950.



Applicant claims ownership of Registration No. 75,326.
For Raw Unshelled Peanuts.
Claims use since July 1, 1898.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 553,983. Rouyer Guillet & Cie., Saintes (Charente-Maritime), France. Filed Aug. 20, 1948.



Applicant claims ownership of French Registration No. 1227, dated Oct. 24, 1947; and United States Registrations Nos. 10,555 (expired) and 355,281.
For Cognacs and Brandies.

Ser. No. 559,979. Kinsey Distilling Corporation, Philadelphia, Pa. Filed July 10, 1948. (Sec. 2f.)

KINSEY'S LINFIELD

Applicant claims ownership of Registrations Nos. 312,109, 345,548, and 501,303.
For Distilled Potable Alcoholic Beverages—Namely, Whiskey.
Claims use since Mar. 6, 1936.

Ser. No. 581,560. Maryland Import Company, Chicago, Ill. Filed July 6, 1949.

Jules Marie

The name "Jules Marie" is fanciful. Applicant claims ownership of Registration No. 342,204.
For Brandy.
Claims use since Nov. 19, 1935.

Ser. No. 586,821. Rovira & Compania, S. en C., Santiago de Cuba, Oriente, Cuba. Filed Oct. 25, 1949.

Castillo

Applicant claims ownership of Registrations Nos. 317,386 and 317,392.
For Rum and Anise Liquor.
First used in 1914; and first used in commerce between Cuba and the United States which may lawfully be regulated by Congress in 1933.

Ser. No. 590,147. Erven Lucas Bols Incorporated, Englewood, N. J. Filed Dec. 30, 1949.



The drawing is lined for shading purposes only. The portrait is that of Lucas Bols, deceased.
For Gins and Liqueurs.
Claims use since November 1919.

Ser. No. 590,707. Schenley Distillers, Inc., New York, N. Y. Filed Jan. 11, 1950.

JAMES T. HEAVEN LIMITED

The name embodied in applicant's mark is fanciful.
For Whiskey.
Claims use since Aug. 19, 1949.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 574,067. Martha L. Ward, doing business as M. L. Ward Mfg. Co., Philadelphia, Pa. Filed Feb. 17, 1949.

MOR-FUN

For Party Service Kits Comprising Party Invitations and Paper Table Cloths, Napkins, Hats, Plates, Cups, and Candy Baskets.
Claims use since Jan. 25, 1949.

Ser. No. 587,042. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Oct. 29, 1949.

"FLAT TOP"

For Reflecting Sheeting.
Claims use since April 1949.

Ser. No. 596,789. Gits Molding Corporation, Chicago, Ill. Filed May 3, 1950. (Sec. 2f.)

Crystal SEAL

For Plastic Transparent or Semi-Transparent Bodies, Partly Finished, To Be Incorporated in a Finished Article, Which Are in the Nature of Name Plates, Medallions, Insignia, and the Like for Use on Automobiles, Plaques, Signs, and Similar Uses.
Claims use since March 1944.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 579,419. Richard Hudnut, New York, N. Y. Filed May 24, 1949.

STRING-A-LONG KIT

The word "Kit" is disclaimed.
For Cosmetic Kits Containing One or More of the Following Items: Foundation Lotion, Skin Freshener, Cream Rouge, Eye Shadow, Lipstick, Face Powder, Special Skin Cream, Cleansing Cream.
Claims use since May 9, 1949.

Ser. No. 589,956. The Cramer Chemical Co., Gardner, Kans. Filed Dec. 27, 1949. (Sec. 2f as to "Cramer.")

Cramer

The term "Gardner, Kansas" is disclaimed. Applicant claims ownership of Registration No. 418,406.
For Hair Oil; a Hair Dressing; a Hand Lotion; After-Shaving Lotion; a Liquid Dentrifice; a Powdered Rosin Mixture for External Use as a Dusting Powder.
Claims use since Aug. 10, 1943.

Ser. No. 592,568. International Chemical Company Limited, London, England. Filed Feb. 15, 1950.

ANNE FRENCH

"Anne French" is a fanciful name. Applicant claims ownership of English Registration No. B613,359, dated Nov. 21, 1940.
For Cleansing Toilet Lotions for the Skin.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 573,243. The Fuller Brush Company, Hartford, Conn. Filed Feb. 3, 1949.

FULLERFOAM

For Soapless Detergent for Fabrics.
Claims use since July 6, 1948.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 541,236. Walgreen Co., Chicago, Ill. Filed Nov. 14, 1947. (Sec. 2f.)

Youire Always Welcome at Walgreen's.

Applicant claims ownership of Registration No. 413,516.
For Restaurant, Soda Fountain, and Pharmaceutical Prescription Services.
Claims use since Aug. 21, 1921.

Ser. No. 550,006. The Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America, Indianapolis, Ind. Filed Jan. 12, 1948. CERTIFICATION MARK. (Sec. 2f.)



The words "Union Shop" and "A. F. of L." are disclaimed.
For the Cutting of Hair, Shampooing of Hair, Shaving, Application of Facial Treatments.
Claims use since 1901.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 575,699. Electric Sorting Machine Company, Grand Rapids, Mich. Filed Mar. 19, 1949.



For Repairing, Adjusting, and Maintaining Apparatus for Photoelectrically Selecting, According to Brightness and Color, Legumes Such as Beans and Peas, Cereals Such as Corn, Oil Seeds Such as Peanuts and Nut Meats, Fruits Such as Lemons, and Vegetables Such as Tomatoes.
Claims use since Aug. 4, 1939.

Ser. No. 586,362. Radio Corporation of America, New York, N. Y. Filed Oct. 15, 1949.



Applicant claims ownership of Registrations Nos. 95,964, 195,475, 298,004, 299,504, 302,712, and 336,758.
For Installation of, and Periodical Inspection and Repair of Television Receivers.
Claims use since November 1946.

CLASS 104

COMMUNICATION

Ser. No. 565,394. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed Sept. 17, 1948.

LITTLE RED BARN

For Radio Program Broadcasting Services.
Claims use since May 1942.

Ser. No. 567,936. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed Oct. 30, 1948.

Let's Visit the Zoo

For Radio Program Broadcasting Services.
Claims use since Feb. 18, 1936.

CLASS 106

MATERIAL TREATMENT

Ser. No. 544,715. Fair Lawn Finishing Company, Fair Lawn, N. J. Filed Dec. 18, 1947.



Applicant claims ownership of Registration No. 294,243.
For Scouring, Dyeing, Singeing, Heat Setting, Beaming, Embossing, Saponifying, Delustering, Waterproofing, Back Filling, Anti-Slip Finishing, Mildew Proofing, Anti-Static Finishing, Reframing, Printing, Sizing and Desizing, Bleaching, Perspiration Proofing, Resin Finish Applying, Creaseproofing, and Curing of Textile Fabrics in the Piece.
Claims use since Jan. 15, 1941.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 558,688. General Teleradio, Inc., Carteret, N. J., by change of name from Bamberger Broadcasting Service Incorporated. Filed June 8, 1948.

Barbara Welles

The mark is the name of a fictitious character.
For Home Making Advice, Party Hints, Fashion Reports, and Other Information of Interest to Radio Listeners, Said Service Being Rendered Through the Medium of Radio Program Broadcasting.
Claims use since May 12, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,440. Women's, Men's, Boys', and Girls' Hats and Hat Bodies. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y.
Filed Oct. 21, 1946, Serial No. 511,230. Published Nov. 29, 1949. Class 39.

444,441. Photographic Prints, Drawings, and Sketches Mounted on Wooden Backings. Joseph L. West, Columbus, Ohio.
Filed Nov. 12, 1946, Serial No. 512,468. Published Dec. 26, 1950. Class 38.

444,442. Perfumes. Jean-Pascal Lorrianx & Cie., Paris, France.
Filed Jan. 24, 1947, Serial No. 516,291. Published Dec. 5, 1950. Class 51.

444,443. Soft Cheese and Cheese in Boxes. Verband nordostschweiz. Käserei- und Milchgenossenschaften, Winterthur, Switzerland.
Filed Feb. 5, 1947, Serial No. 517,024. Published Oct. 17, 1950. Class 46.

444,444. Compound Sold in Bulk to Commercial and Industrial Bakers, Etc. Donald A. Battiste, doing business as Bat-O-Lite Company, Philadelphia, Pa.
Filed May 20, 1947, Serial No. 522,706. Published Dec. 5, 1950. Class 46.

444,445. Ladies' Lingerie—Namely, Panties, Slips, and Half Slips, and Children's Panties. Dixie Belle Textiles, Inc., Gibsonville, N. C.
Filed May 28, 1947, Serial No. 523,178. Published Dec. 26, 1950. Class 39.

444,446. Men's and Boys' Outer Shirts and Pajamas. The Hallmark Shirt Co., Inc., New York, N. Y.
Filed July 3, 1947, Serial No. 525,829. Published Dec. 12, 1950. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

539,483. Oleomargarine. John F. Jelke Company, Chicago, Ill., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine.
Original filed, act of 1905, Aug. 6, 1945; amended to application under act of 1946, Principal Register, May 18, 1948, Serial No. 486,788. Published Aug. 22, 1950. Class 46.

539,484. Grape Jelly, Strawberry Preserves, Cloves, Prune Juice, Olives, Etc. Old Judge Coffee Company, Inc., St. Louis, Mo., and Louisville, Ky., by change of name from David G. Evans Coffee Company and assignee of the Querbacker Coffee Co.
Original filed, act of 1905, Aug. 12, 1946; amended to application under act of 1946, Principal Register, Jan. 28, 1949, Serial No. 507,273. Published Dec. 5, 1950. Class 46.

539,485. Faucets. Price-Pfister Mfg. Co., Los Angeles, Calif.
Original filed, act of 1905, Sept. 3, 1946; amended to application under act of 1946, Principal Register, Jan. 22, 1949, Serial No. 508,439. Published Dec. 19, 1950. Class 13.

539,486. Ice Cream. R & G Milk Products, Inc., New York, N. Y.
Original filed, act of 1905, Dec. 4, 1946; amended to application under act of 1946, Principal Register, Nov. 23, 1949, Serial No. 513,685. Published Dec. 19, 1950. Class 46.

539,487. Specially Prepared Dry Uncooked Cereal for Infants and Children, Etc. Mead Johnson & Company, Evansville, Ind.
Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 516,943. Published Jan. 2, 1951. Class 46.

539,488. Food Flavoring Extracts, and Baking Powder. Furst-McNess Company, Freeport, Ill.
Original filed, act of 1905, May 21, 1947; amended to application under act of 1946, Principal Register, Dec. 5, 1947, Serial No. 522,763. Published Dec. 5, 1950. Class 46.

539,489. Interior and Exterior Paints for All Types of Surfaces, Etc. Patek Brothers, Inc., Milwaukee, Wis.
Filed Aug. 6, 1947, Serial No. 530,675. Published Dec. 19, 1950. Class 16.

539,490. Staples Used for Fastening Papers, Cardboard, and Fabrics Together. Markwell Manufacturing Co., Inc., New York, N. Y.
Filed Aug. 7, 1947, Serial No. 530,750. Published Jan. 2, 1951. Class 13.

539,491. Partially Finished Goods of Synthetic Resin Plastic Consisting of Sheets, Laminated Sheets, Rods, Tubing, Channel-, T- and Angle Sections. St. Regis Paper Company, New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,170. Published Jan. 2, 1951. Class 1.

539,492. Cheese Food Spread. Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 532,192. Published Dec. 19, 1950. Class 46.

539,493. Hair Pomades. Frederick D. Gardner, Chicago, Ill., assignor, by mesne assignments, to Sepia Girl Products Co., Chicago, Ill., a corporation of Illinois.
Filed Sept. 9, 1947, Serial No. 533,875. Published July 27, 1948. Class 51.

539,494. Castings Made of Ferrous and/or Non-Ferrous Metals. Washington Iron Works, Seattle, Wash.
Filed Sept. 9, 1947, Serial No. 533,955. Published June 1, 1948. Class 14.

539,495. Emulsifying and Whipping Aid for Ice Cream Compositions Containing Dihydroxyalkyl Glyceryl Monostearate Sold Only in Bulk to Ice Cream Manufacturers. E. F. Drew & Co., Inc., New York, N. Y.
Filed Sept. 13, 1947, Serial No. 534,420. Published Nov. 7, 1950. Class 46.

539,496. Blouses for Use by Women and Girls. Joseph Nachman, Philadelphia, Pa.
Filed Sept. 20, 1947, Serial No. 535,174. Published Dec. 26, 1950. Class 39.

539,497. Doors for Cabinets and Closures Defined by Walls and of the Sliding Type as Distinguished From Hinge-Supported Doors. Weber Showcase & Fixture Co., Inc., Los Angeles, Calif.
Filed Sept. 30, 1947, Serial No. 536,323. Published Dec. 26, 1950. Class 12.

539,498. Fresh Lettuce, Carrots, and Cantaloupes. James and Buckley, Dos Palos, Calif.
Filed Oct. 3, 1947, Serial No. 536,619. Published May 17, 1949. Class 46.

539,499. Electrical Measuring Instruments, Etc. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Oct. 9, 1947, Serial No. 537,382. Published Oct. 17, 1950. Class 26.

539,500. Preparations Used in the Treatment of Osteomalacia, Osteoporosis, Bone Atrophy as a Sequel to Bone Tuberculosis and Poliomyelitis, Bone Fractures, Dental Caries, and Mineral Deficiency During Pregnancy, Lactation, and in Infants. Robapharm Laboratoriums A. G., Basel, Switzerland.
Filed Oct. 24, 1947, Serial No. 538,962. Published Dec. 12, 1950. Class 18.

539,501. Newspaper Columns or Sections. Edward H. Butler, doing business as Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York.
Filed Oct. 31, 1947, Serial No. 539,649. Published Dec. 26, 1950. Class 38.

539,502. Fresh Citrus Fruits. Ivanhoe Mutual Orange Association, Ivanhoe, Calif.
Filed Nov. 3, 1947, Serial No. 539,959. Published Oct. 3, 1950. Class 46.

539,503. Stationary and Portable X-Ray Apparatus for Therapeutic and Diagnostic Use, Etc. Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio.
Filed Nov. 6, 1947, Serial No. 540,314. Published Jan. 2, 1951. Class 44.

539,504. Disinfectant, Deodorant, Antiseptic, Larvacide, Fumigant, and Herbicide. U. S. Sanitary Specialties Corporation, Chicago, Ill.
Filed Nov. 15, 1947, Serial No. 541,360. Published Nov. 28, 1950. Class 18.

539,505. Children's Hoops. W. L. Dumas, doing business as W. L. Dumas Manufacturing Company, Miami, Okla.
Original filed, act of 1946, Supplemental Register, Aug. 7, 1947; amended to application, Principal Register, July 14, 1950, Serial No. 541,723. Published Nov. 21, 1950. Class 22.

539,506. Metal Foot Valves, Check Valves, and Butterfly Valves Used in Water Pumping Systems. Geo. A. Plummer, doing business as Clearflow Valves, Berkeley, Calif.
Filed Dec. 8, 1947, Serial No. 543,741. Published Dec. 12, 1950. Class 13.

539,507. Photo Prints Sold as Such. James H. Langtry, doing business under the name and title Langtry Photo Service, Buffalo, N. Y.
Filed Dec. 10, 1947, Serial No. 543,940. Published Dec. 26, 1950. Class 38.

539,508. Photo Prints Sold as Such. James H. Langtry, doing business under the name and title Langtry Photo Service, Buffalo, N. Y.
Filed Dec. 10, 1947, Serial No. 543,941. Published Dec. 26, 1950. Class 38.

539,509. Infants', Children's, and Growing Girls' Shoes of Leather, Fabric, Rubber, or Composition Material. A. G. Behn Shoe Company, Arlington, N. J.
Filed Dec. 23, 1947, Serial No. 545,222. Published Dec. 26, 1950. Class 39.

539,510. Women's and Misses' Shoes of Leather, Fabric, and Combinations of the Same. I. Miller & Sons, Inc., Long Island City, N. Y.
Filed Dec. 26, 1947, Serial No. 545,506. Published Dec. 26, 1950. Class 39.

539,511. Drawings for Constructing Agricultural Buildings. Doane Agricultural Service, Inc., St. Louis, Mo.
Filed Jan. 2, 1948, Serial No. 545,965. Published Dec. 26, 1950. Class 38.

539,512. Coffee. Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn.
Filed Jan. 5, 1948, Serial No. 546,165. Published Dec. 5, 1950. Class 46.

539,513. Anchovies in Salt and Oil, Canned or Bottled; Apricots, Canned or Bottled; Artichokes; Beans in Tins or Bottled; Etc. J. Ossola Co., Inc., also known as J. Ossola Co., New York, N. Y.
Filed Jan. 16, 1948, Serial No. 547,272. Published Oct. 31, 1950. Class 46.

539,514. Wheat Flour. Van Dusen Harrington Co., doing business under the name King Midas Flour Mills, Minneapolis, Minn.
Filed Jan. 22, 1948, Serial No. 547,796. Published Nov. 7, 1950. Class 46.

539,515. Wheat Flour. Van Dusen Harrington Co., doing business under the name National Milling Company, Minneapolis, Minn.
Filed Jan. 22, 1948, Serial No. 547,798. Published Nov. 7, 1950. Class 46.

539,516. Confectionery Trade Publication Published Periodically. Smith H. Cady, Jr., San Jose, Calif.
Filed Feb. 2, 1948, Serial No. 548,572. Published Dec. 26, 1950. Class 38.

539,517. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Feb. 10, 1948, Serial No. 549,224. Published Nov. 21, 1950. Class 46.

539,518. Preparation for Killing Weeds, Containing as the Active Ingredient, Halogenated Phenoxy Acetic Acid and Their Derivatives. Riverdale Chemical Company, Harvey, Ill.
Filed Feb. 10, 1948, Serial No. 549,278. Published Dec. 5, 1950. Class 6.

539,519. Foundry Equipment—Namely, Plastic Match Plates, Plastic Match Plate Frames, Plastic Core Boxes. Plastic Corporation of Chicago, Cicero, Ill.
Filed Feb. 27, 1948, Serial No. 550,730. Published Nov. 21, 1950. Class 23.

539,520. Chemical Products for the Preparation of Perfumes, Perfumery Products, Soaps, and Cosmetics. Firmenich & Co. Successeurs de la Société Anonyme M. Naef & Cie., Geneva, Switzerland.
Filed Feb. 28, 1948, Serial No. 550,800. Published Dec. 12, 1950. Class 6.

539,521. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business under the style name of The Lamar Flour Mills, Lamar, Colo.
Filed Mar. 9, 1948, Serial No. 551,534. Published Nov. 1, 1949. Class 46.

539,522. Women's Hosiery. Helen Bailey, doing business as Helbee Hosiery Co., Philadelphia, Pa.
Filed Mar. 12, 1948, Serial No. 551,755. Published July 5, 1949. Class 39.

539,523. Rubber Soles. Essex Rubber Company, Trenton, N. J.
Filed Mar. 19, 1948, Serial No. 552,447. Published Jan. 2, 1951. Class 39.

539,524. Canned Products—Namely, Sweet Potatoes, Mexican Style Beans, Etc. Pine Grove Canning Company, Inc., St. Martinville, La.
Filed Mar. 20, 1948, Serial No. 552,605. Published Dec. 12, 1950. Class 46.

539,525. Coring Equipment—Namely, Core Orienting Apparatus Consisting of Recording Instruments in the Nature of Core Readers. Eastman Oil Well Survey Company, Denver, Colo.
Filed Mar. 22, 1948, Serial No. 552,641. Published Sept. 26, 1950. Class 26.

539,526. Girdles and Corsets. Vivette Foundations, Inc., New York, N. Y.
Filed Apr. 7, 1948, Serial No. 554,054. Published Dec. 26, 1950. Class 39.

539,527. Hand Manipulable Short Wave Lamp for Stimulating Fluorescent Sensitized Paper and Materials in Checking High-Lights and Photographic Retouching and Filter Adapters Therefor. Kemart Corporation, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,127. Published Mar. 7, 1950. Class 26.

539,528. Machines for Depositing Flavoring Material Tablets and Capsules in Cans and Other Containers. The G. S. Suppiger Company, doing business as Scientific Tablet Company, St. Louis, Mo.
Filed Apr. 8, 1948, Serial No. 554,172. Published Nov. 21, 1950. Class 23.

539,529. Ready-Mixed Interior and Exterior Paints; Etc. Devoe & Raynolds Company, Inc., New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,212. Published Dec. 19, 1950. Class 16.

539,530. Ready-Mixed Aluminum Paint Sold in Small Containers. Valentine & Company, Inc., New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,276. Published Dec. 19, 1950. Class 16.

539,531. Dolls and Dolls' Clothes. International Doll Co., Inc., Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,573. Published Nov. 21, 1950. Class 22.

539,532. Printed Periodical. Bradbury, Agnew & Co. Limited, London, England.
Filed Apr. 23, 1948, Serial No. 555,370. Published Dec. 19, 1950. Class 38.

539,533. Jointed Toy Monkey. Unique Art Manufacturing Company, Inc., Newark, N. J.
Filed Apr. 23, 1948, Serial No. 555,466. Published Nov. 21, 1950. Class 22.

539,534. Apparatus for Producing and Dispensing Carbonated and Non-Carbonated Beverages—Namely, Carbonators and Beverage Dispensers. Lou Gottlieb & Son, Inc., Philadelphia, Pa.
Filed May 5, 1948, Serial No. 556,259. Published Nov. 14, 1950. Class 23.

539,535. Portable Tool Stands Equipped With a Power Unit for Receiving and Supporting Tools and Operating Same. Willie M. Shoffner, Dayton, Ohio.
Filed May 5, 1948, Serial No. 556,292. Published Nov. 14, 1950. Class 23.

539,536. Infants' and Children's Wear—Namely, Panties and Slips Made of Nylon, Cotton, or Rayon. Belk's Buying Service, Incorporated, Charlotte, N. C.
Filed May 8, 1948, Serial No. 556,539. Published Dec. 26, 1950. Class 39.

539,537. Ball Bearings. Marlin-Rockwell Corporation, Jamestown, N. Y.
Filed May 13, 1948, Serial No. 556,969. Published Nov. 21, 1950. Class 23.

539,538. Ball Bearings. Marlin-Rockwell Corporation, Jamestown, N. Y.
Filed May 13, 1948, Serial No. 556,972. Published Nov. 21, 1950. Class 23.

539,539. Wheat Flour. The Colorado Milling & Elevator Co., doing business under the style name of The St. Anthony Flour Mills, Denver, Colo., and St. Anthony, Idaho.
Filed May 14, 1948, Serial No. 557,017. Published Nov. 21, 1950. Class 46.

539,540. Histidine Compounds. Organic Chemicals, Inc., Pasadena, Calif.
Filed May 25, 1948, Serial No. 557,765. Published May 10, 1949. Class 18.

539,541. Mechanical Golf Ball Markers for Engraving Names, Numbers, and Other Legends on Golf Balls. United Metal Products Corp., Detroit, Mich.
Filed May 26, 1948, Serial No. 557,877. Published Nov. 28, 1950. Class 23.

539,542. Oil Shampoo Tint, Drab Toner (a Dye or Toner That Gives a Drab Color Instead of the Bright Color Frequently Associated With Hair Dye), Hair Bleach Containing Oil, Solvent for Removing Dye Color From Hair, Shampoo, Hair Pencil (a Product Resembling a Lipstick in Appearance Which May Be Applied to Grey Hair Near the Scalp as the Dyed Hair Grows Out), and Stain Remover (Used for Removing Dye Stains From Face and Hands). Godefroy Manufacturing Company, St. Louis, Mo.
Filed May 27, 1948, Serial No. 557,920. Published Dec. 26, 1950. Class 51.

539,543. Men's, Young Men's, and Boys' Trousers, Outer-Wear Suits of Clothing, and Outer-Wear Coats and Jackets. A. Solomon, New Orleans, La.
Filed June 2, 1948, Serial No. 558,323. Published Dec. 26, 1950. Class 39.

539,544. Chewing Gum. Gum Products, Inc., East Boston, Mass.
Filed June 4, 1948, Serial No. 558,489. Published Dec. 12, 1950. Class 46.

539,545. Chewing Gum of the Bubble Gum Type. Gum Products, Inc., Boston, Mass.
Filed June 4, 1948, Serial No. 558,490. Published Dec. 26, 1950. Class 46.

539,546. Phosphating Chemicals for Rust Proofing Purposes. Parker Rust Proof Company, Detroit, Mich.
Filed June 10, 1948, Serial No. 558,923. Published Jan. 2, 1951. Class 6.

539,547. Ironing Board Covers. Textile Mills Company, Chicago, Ill.
Filed June 11, 1948, Serial No. 559,068. Published Aug. 29, 1950. Class 24.

539,548. Aluminum and Other Metal Windows, Etc. Windalume Corporation, West New York, N. J.
Filed June 16, 1948, Serial No. 559,364. Published Nov. 7, 1950. Class 12.

539,549. Canned Pork Luncheon Meat. Cudahy Brothers Co., Cudahy, Wis.
Filed June 28, 1948, Serial No. 560,322. Published Dec. 19, 1950. Class 46.

539,550. Program in the Form of a Magazine Published Annually. Los Angeles Junior Chamber of Commerce, Los Angeles, Calif.
Filed June 28, 1948, Serial No. 560,338. Published Dec. 26, 1950. Class 38.

539,551. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed July 13, 1948, Serial No. 561,223. Published Nov. 28, 1950. Class 46.

539,552. Potatoes in Their Natural State. Grower-Shipper Potato Company, Monte Vista, Colo.
Filed July 13, 1948, Serial No. 561,236. Published Nov. 7, 1950. Class 46.

539,553. Clothing for Fat or Stout Men—Namely, Suits, Etc. Burns Martin Co., Boston, Mass.
Filed July 20, 1948, Serial No. 561,717. Published Jan. 2, 1951. Class 39.

539,554. Scalp Preparation To Remove Loose Dandruff. Roeding Park Pharmacy, Inc., doing business as Bennetts' Barnett Laboratory, Fresno, Calif.
Filed July 22, 1948, Serial No. 561,946. Published Dec. 26, 1950. Class 51.

539,555. Tool Steel, Particularly High Speed Tool Steel, in the Form of Billets, Slabs, Bars, Rods, and Sheets. Crucible Steel Company of America, New York, N. Y.
Filed Aug. 5, 1948, Serial No. 562,836. Published May 2, 1950. Class 14.

539,556. Tachometer. The Hays Corporation, Michigan City, Ind.
Filed Aug. 10, 1948, Serial No. 563,117. Published Sept. 26, 1950. Class 26.

539,557. Fresh Carcass Meats—Namely, Beef, Veal, Pork, Mutton and Lamb, Etc. Armour and Company, Chicago, Ill.
Filed Aug. 11, 1948, Serial No. 563,150. Published June 20, 1950. Class 46.

539,558. Antiseptics, Bactericides, and Germicides. C. A. Mosso Company, Chicago, Ill.
Filed June 28, 1948, Serial No. 564,083. Published Dec. 26, 1950. Class 18.

539,559. Automotive Tractors. Claude E. Casady, doing business under the name General Tractor Company, Seattle, Wash.
Filed Sept. 9, 1948, Serial No. 564,859. Published Nov. 21, 1950. Class 23.

539,560. Steel Plates and Sheets, Iron and Steel, Metal Bars and Billets, Etc. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
Filed Sept. 9, 1948, Serial No. 564,905. Published Dec. 5, 1950. Class 14.

539,561. Powdered Chemicals, Etc. Choldun Manufacturing Corp., New Haven, Conn.
Filed Sept. 15, 1948, Serial No. 565,173. Published June 20, 1950. Class 52.

539,562. Combination Storm and Screen Windows, Doors, Window Casements, Window Screens, Storm Windows, All of Metal. Paragon Insulation Company, Inc., Brooklyn and New York, N. Y.
Filed Sept. 2, 1948, Serial No. 565,295. Published Dec. 19, 1950. Class 12.

539,563. Fresh Eggs. Food Fair Stores, Inc., Philadelphia, Pa.
Filed Sept. 17, 1948, Serial No. 565,332. Published Dec. 26, 1950. Class 46.

539,564. Overhead Type Track Mounted Door Assemblies (Units). McKee Door Company, Aurora, Ill.
Filed Sept. 23, 1948, Serial No. 565,712. Published Dec. 26, 1950. Class 12.

539,565. Semi-Monthly Letter. Robert Moore & Co., New York, N. Y.
Filed Sept. 16, 1948, Serial No. 565,860. Published Dec. 12, 1950. Class 38.

539,566. Absorbent Cotton for Use in Dressings and for Other Dental, Medical, and Surgical Uses, and Surgical Dressings. Johnson & Johnson, New Brunswick, N. J.
Filed Oct. 7, 1948, Serial No. 566,602. Published Jan. 2, 1951. Class 44.

539,567. Absorbent Gauze, Sterilized Gauze, Surgical Gauze, and Other Gauze for Dental, Medical, and Surgical Purposes. Johnson & Johnson, New Brunswick, N. J.
Filed Oct. 7, 1948, Serial No. 566,611. Published Jan. 2, 1951. Class 44.

539,568. Canned Mackerel and Canned Sardines. California Marine Curing & Packing Co., Terminal Island, Calif.
Filed Oct. 11, 1948, Serial No. 566,791. Published Dec. 20, 1949. Class 46.

539,569. Wheat Flour. Fisher Flouring Mills Company, Seattle, Wash.
Filed Oct. 13, 1948, Serial No. 566,926. Published Nov. 21, 1950. Class 46.

539,570. Woodworking Machines—Namely, an Electrically Power Operated Machine for Producing Wooden Molding and Trim in Predetermined Shapes. Smithway Machine Co., Inc., Seattle, Wash.
Filed Oct. 15, 1948, Serial No. 567,050. Published Dec. 5, 1950. Class 23.

539,571. Hair Nets. American Human Hair Goods Co., Inc., Chicago, Ill.
Filed Oct. 19, 1948, Serial No. 567,167. Published Dec. 26, 1950. Class 39.

539,572. Salted Peanuts. Planters Nut & Chocolate Co., Wilkes-Barre, Pa.
Filed Oct. 21, 1948, Serial No. 567,428. Published Nov. 7, 1950. Class 46.

539,573. Gas Mask Assembly. E. D. Bullard Company, San Francisco, Calif.
Filed Nov. 1, 1948, Serial No. 567,948. Published Jan. 2, 1951. Class 44.

539,574. Gloves of Leather and of Leather and Fabric. Wells Lamont Corporation, Chicago, Ill.
Filed Nov. 3, 1948, Serial No. 568,139. Published Dec. 26, 1950. Class 39.

539,575. Toys—Namely, Wooden Pull-Toys. Colvin Corporation, Long Island City, N. Y.
Filed Oct. 6, 1948, Serial No. 568,155. Published Nov. 21, 1950. Class 22.

539,576. Ladies' Coats and Suits. Betty Fashions, Inc., New York, N. Y.
Filed Nov. 5, 1948, Serial No. 568,235. Published Dec. 26, 1950. Class 39.

539,577. Electrical Pulsed Light Source Apparatus for Motion Picture Projectors Used Primarily in Conjunction With Television Cameras. General Electric Company, Schenectady, N. Y.
Filed Dec. 1, 1948, Serial No. 569,694. Published Oct. 10, 1950. Class 26.

539,578. Floor Wax and Furniture Wax Intended for Use as Protective Wax Coatings. B. Altman & Co., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,160. Published Dec. 19, 1950. Class 16.

539,579. Chemical Wood Preservative. Interchemical Corporation, New York, N. Y.
Filed Dec. 9, 1948, Serial No. 570,255. Published Aug. 29, 1950. Class 6.

539,580. Plastic Toilet Seats. J. & S. Plastic Products Co., Inc., New York, N. Y.
Filed Dec. 9, 1948, Serial No. 570,256. Published Jan. 2, 1951. Class 13.

539,581. Air-Entraining Chemical Agent for Mixing With Concrete. The Techkote Company, Inglewood, Calif.
Filed Dec. 9, 1948, Serial No. 570,282. Published Dec. 26, 1950. Class 12.

539,582. Hydraulic Lift Mechanisms for Dump Trucks and the Like. The Daybrook Hydraulic Corporation, Bowling Green, Ohio.
Filed Dec. 14, 1948, Serial No. 570,482. Published Nov. 28, 1950. Class 23.

539,583. Valves for Controlling the Flow of Fluids. Everlasting Valve Company, Jersey City, N. J.
Filed Dec. 15, 1948, Serial No. 570,552. Published Jan. 2, 1951. Class 13.

539,584. Skin Cleanser in Powder-Form. Helena Rubinstein, Inc., New York, N. Y.
Filed Dec. 16, 1948, Serial No. 570,616. Published Dec. 26, 1950. Class 51.

539,585. Solidified Adhesive Containing Bone Glue as the Predominating Ingredient. Theodore Wetherbee, trading and doing business as Colorado Stick Quick Sales, Denver, Colo.
Filed Dec. 21, 1948, Serial No. 570,916. Published Nov. 14, 1950. Class 5.

539,586. Wall Board. The Upson Company, Lockport, N. Y.
Filed Dec. 22, 1948, Serial No. 570,995. Published Nov. 7, 1950. Class 12.

539,587. Apparatus for Testing the Effect of Weather Upon the Surfaces of Objects, Apparatus for Testing the Fading Quality of Cloth, and Apparatus for Testing the Washability of Dyeings. Atlas Electric Devices Co., Chicago, Ill.
Filed Dec. 29, 1948, Serial No. 571,248. Published Sept. 26, 1950. Class 26.

539,588. Windows, Sashes, Transoms, Outside Window Shutters, Etc. Binswanger & Co., Richmond, Va.
Filed Jan. 3, 1949, Serial No. 571,501. Published Dec. 26, 1950. Class 12.

539,589. Pig Iron. The Hanna Furnace Corporation, Detroit, Mich.
Filed Jan. 5, 1949, Serial No. 571,640. Published Dec. 5, 1950. Class 14.

539,590. Pig Iron. The Hanna Furnace Corporation, Detroit, Mich.
Filed Jan. 5, 1949, Serial No. 571,641. Published Dec. 5, 1950. Class 14.

539,591. Rubber Heels and Soles for Shoes. The Holtite Manufacturing Company, Baltimore, Md.
Filed Dec. 7, 1948, Serial No. 571,696. Published Dec. 26, 1950. Class 39.

539,592. Guinea Pig Complement, the Serum of Guinea Pigs, Which Is Used in the Complement-Fixation Tests for the Diagnosis of Various Diseases. Carworth Farms, Inc., New City, N. Y.
Filed Jan. 8, 1949, Serial No. 571,844. Published Dec. 19, 1950. Class 18.

539,593. Crushed Rock Salt for Stock. International Salt Company, Scranton, Pa.
Filed Jan. 10, 1949, Serial No. 571,933. Published Oct. 31, 1950. Class 46.

539,594. Analgesic and Antipyretic Useful in Diminishing Mucous Secretions in Acute Head Colds. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Jan. 12, 1949, Serial No. 572,063. Published Dec. 5, 1950. Class 18.

539,595. Heat-Refractory Materials Consisting of Crystalline Alumina, Etc. Norton Company, Worcester Mass.
Filed Jan. 15, 1949, Serial No. 572,267. Published Nov 7, 1950. Class 12.

539,596. Topcoats, Overcoats, Coats, Vests, Trousers and Knickerbockers for Men, Youth, and Boys. L. Greif & Bro., Inc., Baltimore, Md.
Filed Jan 17, 1949, Serial No. 572,303. Published Jan. 2, 1951. Class 39.

539,597. Corn Grits. J. R. Short Milling Company, Chicago, Ill., doing business as Mt. Vernon Milling Company, Mount Vernon, Ind.
Filed Jan. 17, 1949, Serial No. 572,333. Published Nov. 7, 1950. Class 46.

539,598. Corn Grits. J. R. Short Milling Company, Chicago, Ill., doing business as Mt. Vernon Milling Company, Mount Vernon, Ind.
Filed Jan. 17, 1949, Serial No. 572,334. Published Nov. 7, 1950. Class 46.

539,599. Decorative Laminated Plastic Sheets, Etc. The Formica Company, Cincinnati, Ohio.
Filed Jan. 19, 1949, Serial No. 572,420. Published Jan. 2, 1951. Class 12.

539,600. Steel Windows. Copco Steel & Engineering Company, Detroit, Mich.
Filed Jan. 31, 1949, Serial No. 573,077. Published Dec. 26, 1950. Class 12.

539,601. Autoclaves for the Sterilization of Dental, Medical, and Surgical Objects, and the Like. National Pressure Cooker Company, Eau Claire, Wis.
Filed Feb. 7, 1949, Serial No. 573,434. Published Jan. 2, 1951. Class 44.

539,602. Liquid Preparation Used in Combating the Pityrosphorumorale, a Germ Alleged To Be One of the Major Causes of Dandruff. Bruce Pharmaceutical Distributing Corp., Chicago, Ill.
Filed Feb. 2, 1949, Serial No. 573,450. Published Nov. 7, 1950. Class 18.

539,603. Canned Chop Suey and Noodles, Soy Sauce, Tea Balls and Packaged Noodle Soup. Chin & Lee Co., Inc., New York, N. Y.
Filed Feb. 26, 1949, Serial No. 574,570. Published Nov. 21, 1950. Class 46.

539,604. Tooth Powders, Pastes, and Mouth Rinses. Stanley Drug Products, Inc., Portland, Oreg.
Filed Feb. 28, 1949, Serial No. 574,643. Published May 30, 1950. Class 51.

539,605. Tall Oil. The Champion Paper and Fibre Company, Hamilton, Ohio.
Filed Mar. 4, 1949, Serial No. 574,895. Published Jan. 2, 1951. Class 1.

539,606. Bituminous Cement for Flashing and Roofing, Etc. Koppers Company, Inc., Pittsburgh, Pa.
Filed Mar. 12, 1949, Serial No. 575,354. Published Nov. 7, 1950. Class 12.

539,607. Metal Brackets for Use in the Construction of Docks. Central Machine Works Co., Minneapolis, Minn.
Filed Mar. 21, 1949, Serial No. 575,750. Published Nov. 7, 1950. Class 12.

539,608. Animal Food for Dogs. Mark L. Morris, Stelton, N. J.
Filed Mar. 21, 1949, Serial No. 575,773. Published Oct. 3, 1950. Class 46.

539,609. Sanitary Napkins. Cellulose Products Corporation, New Brunswick, N. J.
Filed Mar. 23, 1949, Serial No. 575,887. Published Jan. 2, 1951. Class 44.

539,610. Decorated Wall Board. New York Laminating Company, Clinton, Mass.
Filed Mar. 24, 1949, Serial No. 576,008. Published Dec. 19, 1950. Class 12.

539,611. Peanut Butter. W. T. Young Foods, Inc., doing business as Magic Gold Foods Co., Lexington, Ky.
Filed Apr. 2, 1949, Serial No. 576,565. Published Dec. 5, 1950. Class 46.

539,612. Porcelain Coated Metal Panels and Veneer for Building Surfaces. Architectural Porcelain Constructors, Oakland, Calif.
Filed Apr. 5, 1949, Serial No. 576,613. Published Dec. 26, 1950. Class 12.

539,613. Sheet Metal Awnings. Elmer G. Voelker, Buffalo, N. Y.
Filed Apr. 7, 1949, Serial No. 576,782. Published Jan. 2, 1951. Class 12.

539,614. Women's and Girls' Clothing for Day, Evening, Beach, Sport, and Maternity Wear, Etc. Jane Engel, Inc., New York, N. Y.
Filed Apr. 19, 1949, Serial No. 577,374. Published Dec. 26, 1950. Class 39.

539,615. Monthly Publication. Miller Freeman Publications of California, San Francisco, Calif.
Filed Mar. 26, 1949, Serial No. 577,635. Published Dec. 26, 1950. Class 38.

539,616. Metal Foil Character-Bearing Labels. C & H Supply Company, Seattle, Wash.
Filed Apr. 26, 1949, Serial No. 577,705. Published Dec. 26, 1950. Class 38.

539,617. Peroxide of Hydrogen. The Charles Marchand Company, New York, N. Y.
Filed Apr. 26, 1949, Serial No. 577,724. Published Dec. 26, 1950. Class 6.

539,618. Self-Aligning Terminal Stop for Use With Crimping Tools for Insulating Electrical Terminals and the Like. Aircraft-Marine Products Inc., Harrisburg, Pa.
Filed Apr. 27, 1949, Serial No. 577,768. Published Nov. 14, 1950. Class 23.

539,619. Metal Doors and Metal Frames Therefor. Detroit Steel Products Company, also doing business as Detroit Steel Products Co., Detroit, Mich.
Filed May 2, 1949, Serial No. 578,076. Published Jan. 2, 1951. Class 12.

539,620. Prepared Advertising Plans, Material, and Layouts Sold and Distributed as Such. Bliss Display Corp., New York, N. Y.
Filed May 6, 1949, Serial No. 578,314. Published Dec. 26, 1950. Class 38.

539,621. Disposable Diaper Pads. Zonite Products Corporation, New York, N. Y.
Filed May 7, 1949, Serial No. 578,431. Published Dec. 26, 1950. Class 39.

539,622. Tooth Powder. Bristol-Myers Company, New York, N. Y.
Filed May 12, 1949, Serial No. 578,676. Published Dec. 26, 1950. Class 51.

539,623. Moth Repellent Preparation. Jack H. Hill, doing business as Hills Manufacturing Co., St. Paul, Minn.
Filed May 13, 1949, Serial No. 578,794. Published Dec. 26, 1950. Class 6.

539,624. Jackets for Women. Peck & Peck, New York, N. Y.
Filed May 21, 1949, Serial No. 579,289. Published Dec. 26, 1950. Class 39.

539,625. Chemically Treated Wood Cellulose in Loose Form Used for Thermal Insulation Purposes and Caulking Compound. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed May 23, 1949, Serial No. 579,315. Published Nov. 7, 1950. Class 12.

539,626. Powdered Extract Product Containing Tannin for Use as a Water Treating Material as for Boiler Water and the Like. The Mead Corporation, Dayton, Ohio.
Filed May 23, 1949, Serial No. 579,337. Published Dec. 26, 1950. Class 6.

539,627. Ladies', Girls', and Gentlemen's Clothing—Namely, Coats for Spring and Fall, Topcoats, Raincoats, Suits, Skirts, Sport Trousers, Sport Breeches, Sport-Skirts, Sport Jackets, and Plus-Fours. Eerste Nederlandsche Dames- en Kindermantelfabriek H. Berghaus N. V., Amsterdam, Netherlands.
Filed May 23, 1949, Serial No. 579,384. Published Nov. 14, 1950. Class 39.

539,628. Periodicals. Ruhm Phosphate & Chemical Company, Mount Pleasant, Tenn.
Filed May 25, 1949, Serial No. 579,517. Published Dec. 19, 1950. Class 38.

539,629. Compound for Use as an Aid in the Vulcanization of Rubber. Monsanto Chemical Company, St. Louis, Mo.
Filed May 26, 1949, Serial No. 579,549. Published Dec. 26, 1950. Class 6.

539,630. Cartoon Mats for Newspapers. Charles Robert Walter, Cleveland, Ohio.
Filed June 4, 1949, Serial No. 580,005. Published Dec. 19, 1950. Class 38.

539,631. Laminated Composite Boards, Plywood, and Wallboard. St. Paul & Tacoma Lumber Co., Tacoma, Wash.
Filed June 6, 1949, Serial No. 580,035. Published Dec. 26, 1950. Class 12.

539,632. Medicinal Preparation Used in Treatment of Trichomonas Vaginalis and Vaginitis. Gynecological Specialties, St. Louis, Mo., assignor to Gynecological Specialties, Inc., Alton, Ill., a corporation of Illinois.
Filed June 13, 1949, Serial No. 580,363. Published Dec. 26, 1950. Class 18.

539,633. Asphalt Mastic Composition for Flooring and Surfacing. Walter K. P. Baumann & Co., New York, N. Y.
Filed June 15, 1949, Serial No. 580,458. Published Dec. 26, 1950. Class 12.

539,634. Structural Composition Board in Sheet Form. L. J. Carr & Co., Sacramento, Calif.
Filed June 17, 1949, Serial No. 580,641. Published Jan. 2, 1951. Class 12.

539,635. Sheet Metal Clamps for Holding Sheets of Metal in Position While Same Are Being Riveted and Hand Tools in the Nature of Pliers for Applying the Clamps. Monogram Manufacturing Company, Los Angeles, Calif.
Filed June 18, 1949, Serial No. 580,735. Published Nov. 14, 1950. Class 23.

539,636. Magazines or Periodicals Published Monthly. Connecticut General Life Insurance Company, Hartford, Conn.
Filed June 23, 1949, Serial No. 580,925. Published Dec. 19, 1950. Class 38.

539,637. Canned Oysters, Canned Crab Meat, Fresh Crab Meat, Fresh Headless Shrimp, Fresh Fish Packed in Ice, Fresh Frozen Shrimp, and Fresh Frozen Fish. The Ploeger-Abbott Company, Darien, Ga.
Filed July 1, 1949, Serial No. 581,441. Published Dec. 5, 1950. Class 46.

539,638. Human and Veterinary Biologics: Clostridium Hemolyticum Bacterin, Clostridium Novyi Bacterin, Etc. Cutter Laboratories, Berkeley, Calif.
Filed July 2, 1949, Serial No. 581,471. Published Dec. 26, 1950. Class 18.

539,639. Shrimp Peeler and De-Veiner Implements. Stephen Arthur Paoli, Rockford, Ill.
Filed July 14, 1949, Serial No. 581,976. Published Nov. 14, 1950. Class 23.

539,640. String Controlled Toy Wheel. Charles M. Weeks, doing business as Weeks Valve Company, Takoma Park, Md.
Filed July 14, 1949, Serial No. 582,006. Published Nov. 21, 1950. Class 22.

539,641. Window Awnings Fabricated of Sheet Metal. Hunter Douglas Corporation, New York, N. Y.
Filed July 28, 1949, Serial No. 582,605. Published Dec. 26, 1950. Class 12.

539,642. Canned Fish. Arnold Vogl, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine.
Filed July 29, 1949, Serial No. 582,711. Published Dec. 19, 1950. Class 46.

539,643. Periodical. American Chemical Society, Washington, D. C.
Filed Aug. 2, 1949, Serial No. 582,811. Published Dec. 26, 1950. Class 38.

539,644. Publications Issued Regularly Monthly. Armstrong Cork Company, Lancaster, Pa.
Filed Aug. 2, 1949, Serial No. 582,812. Published Dec. 26, 1950. Class 38.

539,645. WITHDRAWN.

539,646. Pressed Wood Fiber Board, and Doors Formed From Like Material. Chapman Manufacturing Co., Corvallis, Oreg.
Filed Aug. 19, 1949, Serial No. 583,678. Published Dec. 26, 1950. Class 12.

539,647. Pharmaceutical Preparation Containing Chlorothen Citrate in an Emollient Base for Use as a Topical Ointment in Allergic Dermatitis. Nutrition Research Laboratories, Chicago, Ill., assignor to Nutrition Research Laboratories, Inc., a corporation of Illinois.
Filed Aug. 19, 1949, Serial No. 583,706. Published Dec. 19, 1950. Class 18.

539,648. Pharmaceutical Preparation Containing Dimethionine for Use in the Treatment of Certain Liver Disorders or as a Dietary Supplement. Nutrition Research Laboratories, Chicago, Ill., assignor to Nutrition Research Laboratories, Inc., a corporation of Illinois.
Filed Aug. 19, 1949, Serial No. 583,707. Published Dec. 19, 1950. Class 18.

539,649. Hand-Operated Mechanical Lemon Sectionizers. California Fruit Growers Exchange, Los Angeles, Calif.
Filed Aug. 22, 1949, Serial No. 583,792. Published Nov. 14, 1950. Class 23.

539,650. Metal Awnings. Metal Awning Company of Memphis, Memphis, Tenn., assignor to Polar Kraft Metal Awning Company, Memphis, Tenn., a firm.
Filed Aug. 22, 1949, Serial No. 583,809. Published Dec. 19, 1950. Class 12.

539,651. Twine Dispenser Comprising a Base Capable of Holding a Spool of Twine, Etc. Eric Cowan, doing business as Cowan Manufacturing Company, San Francisco, Calif.
Filed Aug. 29, 1949, Serial No. 584,191. Published Nov. 21, 1950. Class 23.

539,652. Dry Soluble Seasoning Materials (by Which Is Meant Compositions Consisting of Spice Oils), Etc. Wm. J. Stange Co., Chicago, Ill.
Filed Sept. 10, 1949, Serial No. 584,700. Published Oct. 31, 1950. Class 46.

539,653. Prepared Advertising Sold as Such. The H. A. Seinsheimer Company, Cincinnati, Ohio.
Filed Sept. 14, 1949, Serial No. 584,840. Published Dec. 26, 1950. Class 38.

539,654. Mechanical Device for Playing a Game Simulating the Game of Football. Table Games, Incorporated, Skokie, Ill.
Filed Sept. 27, 1949, Serial No. 585,402. Published Nov. 21, 1950. Class 22.

539,655. Canned Shrimp, Canned Oysters, Canned Crabmeat, Etc. Wesson Oil & Snowdrift Co., Inc., New Orleans, La.
Filed Sept. 28, 1949, Serial No. 585,466. Published Nov. 21, 1950. Class 46.

539,656. Mix Containing Fruit and Fruit Juice as the Principal Ingredients for Making Frozen Desserts of the Ice Cream and Sherbet Type. C. V. Croall Corporation, Santa Rosa, Calif.
Filed Oct. 1, 1949, Serial No. 585,634. Published Dec. 12, 1950. Class 46.

539,657. Perfume. Chanel, Inc., New York, N. Y.
Filed Oct. 4, 1949, Serial No. 585,743. Published Nov. 7, 1950. Class 51.

539,658. Porcelain-Tip Bridge Teeth, Porcelain-Root Bridge Teeth, Etc. Henry P. Boos Dental Laboratories, Inc., Minneapolis, Minn.
Filed Oct. 6, 1949, Serial No. 585,826. Published July 25, 1950. Class 44.

539,659. Watchcases. Lewitt Bros. & Co., Inc., New York, N. Y.
Filed Oct. 11, 1949, Serial No. 586,093. Published Dec. 26, 1950. Class 27.

539,660. Mono-Sodium Glutamate Seasoning Powder for Food Purposes. Sinam Products Corp., New York, N. Y.
Filed Oct. 14, 1949, Serial No. 586,321. Published Dec. 5, 1950. Class 46.

539,661. Stone for Building, Monumental, and Decorative Purposes. Virginia Greenstone Company, Incorporated, Lynchburg, Va.
Filed Oct. 14, 1949, Serial No. 586,332. Published Dec. 19, 1950. Class 12.

539,662. Perfume. Evelyn Westall, doing business as Parfums Evyan Co., New York, N. Y., assignor to Parfums Evyan Inc., a corporation of New York.
Filed Oct. 17, 1949, Serial No. 586,447. Published Dec. 19, 1950. Class 51.

539,663. Books. Charles Warrell, Ruislip, Middlesex, England.
Filed Oct. 18, 1949, Serial No. 586,506. Published Dec. 26, 1950. Class 38.

539,664. Fresh Pears. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,735. Published Dec. 5, 1950. Class 46.

539,665. Fresh Pears. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,738. Published Nov. 14, 1950. Class 46.

539,666. Fresh Asparagus, Fresh Potatoes, Fresh Grapes, Fresh Pears, and Fresh Plums. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,740. Published Nov. 28, 1950. Class 46.

539,667. Alkyd Synthetic Resin Vehicle Used in the Manufacture of Flat Wall Paints. U. S. Industrial Chemicals, Inc., New York, N. Y.
Filed Nov. 2, 1949, Serial No. 587,216. Published Dec. 12, 1950. Class 16.

539,668. Confectionery—Namely, Candies, Glazed Fruits, Etc. F. M. Candy Corporation, Brooklyn, N. Y.
Filed Nov. 2, 1949, Serial No. 587,374. Published Dec. 19, 1950. Class 46.

539,669. Fresh Deciduous Fruits. Edward A. Ash, doing business as Eddie Ash's Homestead Groves, Goulds, Fla.
Filed Nov. 9, 1949, Serial No. 587,524. Published Dec. 19, 1950. Class 46.

539,670. Fresh and Dried Lychees. Edward A. Ash, doing business as Eddie Ash's Homestead Groves, Goulds, Fla.
Filed Nov. 9, 1949, Serial No. 587,525. Published Oct. 31, 1950. Class 46.

539,671. Toys—Namely, Toy Washing Machines and Toy Sewing Machines. Bay State Products Corporation, Allston, Mass.
Filed Nov. 9, 1949, Serial No. 587,526. Published Nov. 21, 1950. Class 22.

539,672. Children's Play Swings. Earl H. Hurley, doing business as Earl H. Hurley Associates, Corry, Pa.
Filed Nov. 10, 1949, Serial No. 587,635. Published Nov. 21, 1950. Class 22.

539,673. Non-Self-Measuring Hand-Operated Fluid Pumps, Vacuum Pumps, Etc. Lear, Incorporated, Grand Rapids, Mich.
Filed Nov. 10, 1949, Serial No. 587,637. Published Nov. 14, 1950. Class 23.

539,674. Wood Treated With Chemical Preservative—Namely, Structural Timber, Etc. Monsanto Chemical Company, St. Louis, Mo.
Filed Nov. 10, 1949, Serial No. 587,643. Published Dec. 19, 1950. Class 12.

539,675. Game Employing a Spring Moving Down an Inclined Plane and Landing on a Scoring Board. James Industries, Inc., Philadelphia, Pa.
Filed Nov. 14, 1949, Serial No. 587,729. Published Nov. 21, 1950. Class 22.

539,676. Liquid Skin Crème Preparation. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Nov. 16, 1949, Serial No. 587,843. Published Dec. 5, 1950. Class 51.

539,677. Barbecue Sauce and Barbecued Beans. Dinah's Restaurant, Oklahoma City, Okla.
Filed Nov. 17, 1949, Serial No. 587,941. Published Dec. 19, 1950. Class 46.

539,678. Periodic Pamphlets. Arthur C. Rankin, doing business as Rankin Publications, Ottumwa, Iowa.
Filed Nov. 18, 1949, Serial No. 588,047. Published Dec. 26, 1950. Class 38.

539,679. Toy Figures—Namely, Dogs Head Figures Useable as Toys and Puppets. Poinsetter Creations, Winnetka, Ill.
Filed Nov. 19, 1949, Serial No. 588,105. Published Nov. 21, 1950. Class 22.

539,680. Periodical. Prophetic Digest Publishing Company, Collingdale, Pa., assignor to Walterick Printing Company, Fort Dodge, Iowa, a corporation of Iowa.
Filed Nov. 21, 1949, Serial No. 588,143. Published Dec. 26, 1950. Class 38.

539,681. Clocks. Dinson Clock Corp., Jamaica, N. Y.
Filed Nov. 22, 1949, Serial No. 588,167. Published Dec. 26, 1950. Class 27.

539,682. Clocks. Dinson Clock Corp., Jamaica, N. Y.
Filed Nov. 22, 1949, Serial No. 588,168. Published Dec. 26, 1950. Class 27.

539,683. Greeting Cards, Printed Greeting Folders, Printed Seals, and Printed Decorative Tags. Norcross, Inc., New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,228. Published Dec. 19, 1950. Class 38.

539,684. Glycerol Derivative of Selected Hydrogenated Vegetable Fats Used as an Ingredient of Ice Cream and Candy. Swift & Company, Chicago, Ill.
Filed Nov. 25, 1949, Serial No. 588,333. Published Dec. 5, 1950. Class 46.

539,685. Personal Deodorant. George A. Banks, Wheeling, W. Va.
Filed Dec. 1, 1949, Serial No. 588,625. Published Dec. 19, 1950. Class 51.

539,686. Candies. Life Savers Corporation, Port Chester, N. Y.
Filed Dec. 2, 1949, Serial No. 588,694. Published Dec. 5, 1950. Class 46.

539,687. Finger Rings. Walter B. Dorrer, doing business under the fictitious name and style of Higbee & Dorrer, Los Angeles, Calif.
Filed Dec. 5, 1949, Serial No. 588,790. Published Dec. 26, 1950. Class 28.

539,688. Cookies. Dad's Cookie Company, Los Angeles, Calif.
Filed Dec. 5, 1949, Serial No. 588,844. Published Dec. 12, 1950. Class 46.

539,689. Photographic Apparatus—Namely, Film Holders for Cameras. Graflex, Inc., Rochester, N. Y.
Filed Dec. 7, 1949, Serial No. 588,949. Published Oct. 10, 1950. Class 26.

539,690. Bread. The J. F. Renz & Sons Company, Lima, Ohio.
Filed Dec. 7, 1949, Serial No. 588,968. Published Dec. 12, 1950. Class 46.

539,691. Tractors. American Tractor Corporation, New York, N. Y.
Filed Dec. 9, 1949, Serial No. 589,061. Published Nov. 14, 1950. Class 23.

539,692. Fresh Vegetables—Namely, Potatoes. D. Canale & Co., Memphis, Tenn.
Filed Dec. 13, 1949, Serial No. 589,246. Published Oct. 31, 1950. Class 46.

539,693. Mechanical Presses for Removing Oils and Liquids, Etc. The V. D. Anderson Company, Cleveland, Ohio.
Filed Dec. 15, 1949, Serial No. 589,370. Published Dec. 5, 1950. Class 23.

539,694. Perfumes and Toilet Waters. Jean Patou, Inc., New York, N. Y.
Filed Dec. 16, 1949, Serial No. 589,470. Published Dec. 5, 1950. Class 51.

539,695. Ophthalmic Protection Lenses. Wilson Products, Inc., Reading, Pa.
Filed Dec. 16, 1949, Serial No. 589,489. Published Oct. 10, 1950. Class 26.

539,696. Perfumes and Toilet Waters. Goya Limited, London, England, assignor to Goya Incorporated, New York, N. Y.
Filed Dec. 24, 1949, Serial No. 589,898. Published Dec. 19, 1950. Class 51.

539,697. Lumber. Popé & Talbot, Inc., San Francisco, Calif.
Filed Dec. 27, 1949, Serial No. 589,987. Published Dec. 19, 1950. Class 12.

539,698. Ready Mixed Liquid Paint, Varnish and Enamel. Shapleigh Hardware Company, St. Louis, Mo.
Filed Dec. 29, 1949, Serial No. 590,105. Published Dec. 19, 1950. Class 16.

539,699. Canned Tomato Paste. Schuckl & Co., Inc., Sunnyvale, Calif.
Filed Dec. 31, 1949, Serial No. 590,238. Published Nov. 14, 1950. Class 46.

539,700. Certain Toilet Accessories for Infants—Namely, Talcum Powder, Baby Oil, and Skin Cream. Q-Tips, Inc., Long Island City, N. Y.
Filed Jan. 7, 1950, Serial No. 590,522. Published Dec. 19, 1950. Class 51.

539,701. Ready Mixed Paints, Protective Paint Coatings and Thinners, Reducers, and Oils for Use Therewith. Humble Oil & Refining Company, Houston, Tex.
Filed Jan. 10, 1950, Serial No. 590,598. Published Dec. 19, 1950. Class 16.

539,702. Fresh Fruits—Namely, Bananas, Apples, Pears, Tomatoes, Oranges, Lemons, Etc. Inland Trading Company, Hammond, Ind.
Filed Jan. 10, 1950, Serial No. 590,599. Published Nov. 21, 1950. Class 46.

539,703. Children's Sand Boxes and Play Pools and Dolls' Baths, Dolls' Beds, Dolls' Gliders, Etc. American Metal Specialties Corp., also known as American Metal Specialties Corporation, Hatboro, Pa.
Filed Jan. 16, 1950, Serial No. 590,925. Published Nov. 21, 1950. Class 22.

539,704. Brake Shoe Lining Bonding Apparatus—Namely, Bonding Oven, Pressure Bands, Etc. The Permafuse Corp., Garden City, N. Y.
Filed Jan. 26, 1950, Serial No. 591,512. Published Dec. 5, 1950. Class 23.

539,705. Clutch Pins—Namely, Ornamental Pins Comprising an Ornamented Portion Having a Prong for Penetrating the Fabric and a Clutch Portion for Engaging the Prong. Novelty Jewelry Co., New York, N. Y.
Filed Feb. 2, 1950, Serial No. 591,859. Published Dec. 26, 1950. Class 28.

539,706. Tire Molds. James C. Heintz & Company, Inc., Cleveland, Ohio.
Filed Feb. 11, 1950, Serial No. 592,320. Published Dec. 5, 1950. Class 23.

539,707. Dehydrated Castor Oil, Modified Dehydrated Castor Oil, Etc. The Baker Castor Oil Company, Jersey City, N. J.
Filed Feb. 16, 1950, Serial No. 592,537. Published Dec. 19, 1950. Class 16.

539,708. Memorials, Monuments, and Grave Markers. Buttura & Sons, Barre, Vt.
Filed Mar. 3, 1950, Serial No. 593,329. Published Oct. 17, 1950. Class 50.

539,709. Bracelets. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,637. Published Dec. 26, 1950. Class 28.

539,710. Leather and Comparable Straps for Textile Machinery, the Foregoing Being Finished Articles. Southern Belting Company, Atlanta, Ga.
Filed Mar. 10, 1950, Serial No. 593,753. Published Dec. 19, 1950. Class 23.

539,711. Electric Hair Dryers and Electric Vibrators. Wahl Clipper Corporation, Sterling, Ill.
Filed Mar. 17, 1950, Serial No. 594,161. Published Jan. 2, 1951. Class 44.

539,712. Expansion Bracelets, Ornamental Pins, Pendants, Earrings, and Watch Bracelets, Not Including Watches. Briggs, Bates & Bacon Company, Attleboro, Mass.
Filed Mar. 18, 1950, Serial No. 594,193. Published Dec. 26, 1950. Class 28.

539,713. Liquid for Activating (Making Tacky) Adhesive Coating on Surface of Sheet Material. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Mar. 20, 1950, Serial No. 594,276. Published Dec. 26, 1950. Class 6.

539,714. Permanent Wave Lotion. Gabrieleen Co., Inc., Chicago, Ill.
Filed Mar. 30, 1950, Serial No. 594,898. Published Dec. 5, 1950. Class 51.

539,715. Corner Trellises, Lawn Trellises, Arbors, Arbor Gates, and Wood Fencing. Habitant Fence, Inc., Alpena, Mich.
Filed Apr. 6, 1950, Serial No. 595,318. Published Dec. 5, 1950. Class 12.

539,716. Cuff Links, Tie Clips Plated With Precious Metal. Taunton Pearl Works, Taunton, Mass.
Filed Apr. 8, 1950, Serial No. 595,478. Published Dec. 26, 1950. Class 28.

539,717. Cuff Links, Cuff Buttons, and Shirt Studs, the Foregoing Items Being Plated With Precious Metal. Tie Holders, Collar Holders, and Scarf Pins. Taunton Pearl Works, Taunton, Mass.
Filed Apr. 8, 1950, Serial No. 595,479. Published Dec. 26, 1950. Class 28.

539,718. Wrist Watch Straps. R. R. Watch Crystal Corp., New York, N. Y.
Filed Apr. 10, 1950, Serial No. 595,513. Published Dec. 26, 1950. Class 28.

539,719. Toilet Water, Perfume, and Cologne. Avon Products, Inc., New York, N. Y., assignor, by mesne assignments, to Pond's Extract Company, New York, N. Y., a corporation of Delaware.
Filed Apr. 13, 1950, Serial No. 595,649. Published Dec. 5, 1950. Class 51.

539,720. Sliding Steel Doors. The Steelcraft Manufacturing Company, Rossmoyne, Ohio.
Filed Apr. 17, 1950, Serial No. 595,858. Published Dec. 19, 1950. Class 12.

539,721. High Alumina Refractory Cement. Harrison-Walker Refractories Company, Pittsburgh, Pa.
Filed Apr. 18, 1950, Serial No. 595,894. Published Dec. 19, 1950. Class 12.

539,722. Toilet Preparation—Namely, a Lotion for the Relief of Chapped and Rough Skin. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,185. Published Dec. 19, 1950. Class 51.

539,723. Toilet Preparation—Namely, a Perfected Skin Lotion. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,186. Published Dec. 19, 1950. Class 51.

539,724. Toilet Preparation—Namely, a Deodorant Cream. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,190. Published Dec. 19, 1950. Class 51.

539,725. Perfumed Powder, Dusting Powder, Toilet Water, and Perfume. Coty, Inc., New York, N. Y.
Filed May 3, 1950, Serial No. 596,779. Published Dec. 19, 1950. Class 51.

539,726. Wheat Flour. Tex-O-Kan Flour Mills Co., Dallas, Tex.
Filed July 10, 1950, Serial No. 599,679. Published Nov. 21, 1950. Class 46.

539,727. Bait Casting Fishing Line. Cortland Line Company, Inc., Cortland, N. Y.
Filed Oct. 12, 1950, Serial No. 604,505. Published Jan. 2, 1951. Class 22.

Certification Mark

539,728. Screw Connections and Parts Thereof—Namely, Screws, Bolts, Studs, Nuts, and Threaded Inserts. Lock Thread Corporation, Detroit, Mich.
Filed Oct. 30, 1947, Serial No. 539,531. Published Dec. 12, 1950. Class 13.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

539,729. (Class 46. Foods and Ingredients of Foods.) The Sparkle Sales Corporation, St. Paul, Minn. Original filed, act of 1905, Nov. 23, 1945; amended to application under act of 1946, Principal Register, July 21, 1947; amended to Supplemental Register, Dec. 15, 1948, Serial No. 492,100.

SPARKLING

Applicant claims ownership of Registrations Nos. 203,947 and 203,958.
For Granulated Sugar, Brown Sugar, Powdered Sugar, Lump or Loaf Sugar, and Icing Sugar.
Claims use since Sept. 1, 1945.

539,730. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Speedgrip Chuck, Inc., Elkhart, Ind., assignee of Speedgrip Chuck Co. Original filed, act of 1905, Sept. 9, 1946; amended to application under act of 1946, Supplemental Register, July 13, 1950, Serial No. 508,753.

SPEEDGRIP

For Work Holders and Chucks for Mounting Work Pieces on Power Driven Mechanisms, and Parts Thereof.
Claims use since July 1, 1944.

539,731. (Class 21. Electrical Apparatus, Machines, and Supplies.) Tuttle & Kift, Inc., Chicago, Ill. Original filed, act of 1905, Mar. 7, 1947; amended to application under act of 1946, Supplemental Register, Oct. 30, 1950, Serial No. 518,707.

Monotube

For Heating Units for Electric Ranges.
Claims use since Jan. 15, 1947.

539,732. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Edward Valves, Inc., East Chicago, Ind. Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, July 24, 1947; amended to Supplemental Register, Jan. 19, 1951, Serial No. 519,384.

EQUALIZER

For Piping Attachment for Producing Differential Pressure To Allow Lift of Valve Discs to Full Open Position.
Claims use since Sept. 15, 1946.

539,733. (Class 39. Clothing.) Prim Fashions, Inc., New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Aug. 17, 1949; amended to Supplemental Register, Dec. 4, 1950, Serial No. 525,677.

a PRIM fashion

For Women's Dresses.
Claims use since September 1946.

539,734. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Erwin Cotton Mills Company, Durham, N. C. Original filed, act of 1946, Principal Register, Sept. 16, 1947; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 534,613.

SPORTDENIM

Applicant claims ownership of Registrations Nos. 385,730 and 399,761.
For Denim in the Piece for Use Principally in Making Clothing.
Claims use since Aug. 20, 1937.

539,735. (Class 40. Fancy Goods, Furnishings, and Notions.) Metropolitan Bias Binding Co., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 12, 1947; amended to application, Supplemental Register, Oct. 23, 1948, Serial No. 540,847.

DURAN

Metro-Welting

For Plastic and Cotton Cording Used for Trimming Chairs, and Upholstery, Such as Sofas.
Claims use since Oct. 8, 1947.

539,736. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Krect Razor Co., Portland, Oreg. Original filed, act of 1946, Principal Register, Nov. 10, 1947; amended to application, Supplemental Register, May 10, 1949, Serial No. 541,429.

"Spiral-Curve"

For Safety Razors and Blades.
Claims use since July 1, 1947.

539,737. (Class 39. Clothing.) The Enro Shirt Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Dec. 1, 1947; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 542,824.

Tailorizeed

Applicant claims ownership of Registration No. 325,565.
For Men's Dress and Negligee Shirts, Underwear, and Pajamas.
Claims use since Feb. 1, 1934.

539,738. (Class 1. Raw or Partly Prepared Materials.) The Clarkson Coal Company, St. Paul, Minn. Original filed, act of 1946, Principal Register, Dec. 19, 1947; amended to application, Supplemental Register, Sept. 9, 1950, Serial No. 544,850.

CLARKSON'S BLUE FLAME COAL

Applicant claims ownership of Registration No. 191,650.
For Coal.
Claims use since 1914.

539,739. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Reed Roller Bit Company, Houston, Tex. Original filed, act of 1946, Principal Register, Jan. 16, 1948; amended to application, Supplemental Register, Apr. 11, 1949, Serial No. 547,282.

UNITIZED BLADE

For Soft Formation Scrape Type Earth Drilling Bits and Heads and Blades Therefor.
Claims use since Mar. 13, 1947.

539,740. (Class 46. Foods and Ingredients of Foods.) Ramsey Laboratories, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Jan. 21, 1948; amended to application, Supplemental Register, May 11, 1950, Serial No. 547,659.

SUNDE-PAK

For Flavoring Preparations for Ice Cream.
Claims use since Nov. 13, 1947.

539,741. (Class 51. Cosmetics and Toilet Preparations.) The Fuller Brush Company, Hartford, Conn. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, Mar. 3, 1950, Serial No. 548,953.



The representation of the package containing the goods is disclaimed.
For Shaving Cream, Cream Shampoo, and Tooth Paste.
Claims use since February 1946.

539,742. (Class 46. Foods and Ingredients of Foods.) King Candy Company, Fort Worth, Tex. Original filed, act of 1946, Principal Register, Mar. 22, 1948; amended to application, Supplemental Register, July 24, 1950, Serial No. 552,665.

BAR FOR MEN

For Candy.
Claims use since Jan. 15, 1934.

539,743. (Class 46. Foods and Ingredients of Foods.) L. B. MacDowell, Salisbury, Md. Original filed, act of 1946, Principal Register, Apr. 5, 1948; amended to application, Supplemental Register, Nov. 2, 1950, Serial No. 553,881.

DEL-MAR-VANS

Applicant claims ownership of Registration No. 269,755.
For Dressed Chickens.
Claims use since Oct. 1, 1942.

539,744. (Class 39. Clothing.) Murphy, Brill & Sahner, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 12, 1948; amended to application, Supplemental Register, Sept. 29, 1950, Serial No. 554,391.

Kerry Kords

The lining shown on the drawing is for decorative and distinctive purposes. Applicant claims ownership of Registrations Nos. 397,880 and 356,179.
For Hosiery for Men, Women, Boys and Girls.
Claims use since Feb. 13, 1948.

539,745. (Class 39. Clothing.) I. Schneierson & Sons, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 4, 1948; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 558,519.

Wear-a-Year

Applicant claims ownership of Registrations Nos. 374,308 and 384,034.
For Ladies' and Children's Princess Slips, Bloomers, Pajamas, Step-Ins, Dresses, and Nightgowns, and Ladies' Chemises and Uniforms for Work Purposes of a Textile Fabric.
Claims use since Oct. 1, 1938.

539,746. (Class 44. Dental, Medical, and Surgical Appliances.) Aronab Products Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, June 7, 1948; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 558,617.

Roldskins

For Prophylactic Membraneous Articles for the Prevention of Contagious Diseases.
Claims use since Dec. 26, 1947.

539,747. (Class 46. Foods and Ingredients of Foods.) Garden Grove Citrus Association, Garden Grove, Calif. Original filed, act of 1946, Principal Register, June 18, 1948; amended to application, Supplemental Register, Oct. 18, 1949, Serial No. 559,598.

OUR CHOICE

For Fresh Citrus Fruits.
Claims use since 1924.

539,748. (Class 1. Raw or Partly Prepared Materials.) Brenner Brothers, New York, N. Y. Original filed, act of 1946, Principal Register, July 8, 1948; amended to application, Supplemental Register, Nov. 8, 1950, Serial No. 560,860.



For Dressed and Dyed Persian Lamb Skins.
Claims use since Apr. 27, 1948.

539,749. (Class 46. Foods and Ingredients of Foods.) Norris Inc., Atlanta, Ga. Original filed, act of 1946, Principal Register, July 9, 1948; amended to application, Supplemental Register, Nov. 10, 1950, Serial No. 561,033.



For Candy.
Claims use since Mar. 1, 1929.

539,750. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Bates Manufacturing Company, Lewiston, Maine. Original filed, act of 1946, Principal Register, July 16, 1948; amended to application, Supplemental Register, June 7, 1950, Serial No. 561,549.

"Loomed to be Heirloomed"

Applicant claims ownership of Registration No. 417,084.
For Bedspreads, Draperies, Sheets, Napkins, Table Cloths, and Pillow Cases.
Claims use since Feb. 11, 1938.

539,751. (Class 44. Dental, Medical, and Surgical Appliances.) Industrial Engineering Associates, Mooresville, Ind. Original filed, act of 1946, Principal Register, Aug. 17, 1948; amended to application, Supplemental Register, Dec. 5, 1949, Serial No. 563,619.

Sportsman ATHLETIC TRUSS

For Athletic Truss for All Reducible Inguinal Hernias.
Claims use since Apr. 1, 1947.

539,752. (Class 1. Raw or Partly Prepared Materials.) Holland Bulb Growers, Inc., Mount Vernon, Wash. Original filed, act of 1946, Principal Register, Sept. 21, 1948; amended to application, Supplemental Register, May 8, 1950, Serial No. 565,550.

Holland Bulb Growers Inc.

For Plant and Flower Bulbs.
Claims use since Aug. 15, 1947.

539,753. (Class 5. Adhesives.) National Starch Products Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 30, 1948; amended to application, Supplemental Register, Nov. 29, 1949, Serial No. 566,165.

HYDRO-FLAKES

The word "Flakes" is disclaimed.
For Dry Amylaceous-Base Product, Shipped in Bags and Adapted To Be Mixed With Water for Use as a General Industrial Adhesive.
Claims use since Sept. 15, 1948.

539,754. (Class 51. Cosmetics and Toilet Preparations.) Bourjois, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, Nov. 8, 1949, Serial No. 566,492.



The trade-mark consists of a blue-colored bottle with a white stopper, both of the designs shown in the drawing, there being affixed to the front of the bottle a triangular silver-colored label bearing the picture of a crescent moon and a star, the words "Soir de Paris—Evening in Paris—Bourjois," all printed in blue, silver-colored cord being wound around the neck of the bottle. Applicant claims ownership of Registrations Nos. 389,047, 255,826, 412,982, 120,330, 340,594, and 340,595.
For Perfume.
Claims use since 1929.

539,755. (Class 39. Clothing.) Hadley Finsterwald Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Dec. 7, 1948; amended to application, Supplemental Register, Dec. 21, 1950, Serial No. 570,104.

Prima-Pelt

For Women's Fur Wearing Apparel—Namely, Coats, Jackets, Scarfs, and Muffs.
Claims use since Oct. 21, 1948.

539,756. (Class 1. Raw or Partly Prepared Materials.) Maple Dale Hatchery, Austin, Minn. Original filed, act of 1946, Principal Register, Feb. 5, 1949; amended to application, Supplemental Register, Sept. 6, 1950, Serial No. 573,377.

Strayn-Krost

For Chicks.
Claims use since Jan. 17, 1949.

539,757. (Class 18. Medicines and Pharmaceutical Preparations.) Lactia Company, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 19, 1949; amended to application, Supplemental Register, Apr. 13, 1950, Serial No. 575,711.

HOT-PAK

For Medicinal Preparation for Relief of Tired, Aching Muscles, Rheumatic Pains, and Backache.
Claims use since Feb. 15, 1947.

539,758. (Class 6. Chemicals and Chemical Compositions.) Godfrey L. Cabot, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Mar. 23, 1949; amended to application, Supplemental Register, May 19, 1950, Serial No. 575,884.

HI-CARB

For Agglomerates of Carbon Black and Carbon of High Purity for Carburizing Metals, for Conducting Electricity or for Any Use for Which Hard Carbon May Be Used.
Claims use since Jan. 24, 1949.

539,759. (Class 38. Prints and Publications.) Glen R. Shepherd, Jr., Kansas City, Kans. Original filed, act of 1946, Principal Register, Apr. 6, 1949; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 576,722.

THE COUNTRY DOCTOR

For Column for Newspapers, Magazines, Bulletins, and Other Publications.
Claims use since Mar. 25, 1949.

539,760. (Class 46. Foods and Ingredients of Foods.) Adolph I. Rovin, Chicago, Ill., doing business as Rulo Products, assignee of Rulo Products. Original filed, act of 1946, Principal Register, Apr. 9, 1949; amended to application, Supplemental Register, June 22, 1950, Serial No. 576,886.

RULO

For Candy.
Claims use since Mar. 9, 1949.

539,761. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Kaiser Sales, Inc., New York, and Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Apr. 11, 1949; amended to application, Supplemental Register, May 22, 1950, Serial No. 576,919.

Finedge

For Fabric Ribbons.
Claims use since Mar. 15, 1948.

539,762. (Class 51. Cosmetics and Toilet Preparations.) Fouchee Perfume & Cosmetic Company, Inc., St. Petersburg, Fla. Original filed, act of 1946, Principal Register, Apr. 18, 1949; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 577,322.

LIBBY

For Perfume.
Claims use since Mar. 1, 1949.

539,763. (Class 46. Foods and Ingredients of Foods.) Manhattan Pickle Company, Chicago, Ill. Original filed, act of 1946, Principal Register, May 14, 1949; amended to application, Supplemental Register, Nov. 4, 1950, Serial No. 578,881.

CURLY—CUKES

For Fresh Sweet Pickles.
Claims use since Apr. 1, 1949.

539,764. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Brandvein & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 28, 1949; amended to application, Supplemental Register, July 10, 1950, Serial No. 581,168.

Sixfold

For Window Curtains and Curtain Fabrics Made of Rayon or Nylon.
Claims use since Mar. 10, 1949.

539,765. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Brandvein & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 28, 1949; amended to application, Supplemental Register, July 10, 1950, Serial No. 581,169.

Tenfold

For Window Curtains and Curtain Fabrics Made of Rayon or Nylon.
Claims use since June 10, 1949.

539,766. (Class 52. Detergents and Soaps.) The Bon Ami Company, New York, N. Y. Original filed, act of 1946, Principal Register, July 1, 1949; amended to application, Supplemental Register, Aug. 24, 1950, Serial No. 581,400.



Applicant claims ownership of Registrations Nos. 510,004, 403,813 and others.
For Household Cleanser.
Claims use since June 6, 1949.

539,767. (Class 12. Construction Materials.) Minnesota and Ontario Paper Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, July 5, 1949; amended to application, Supplemental Register, Oct. 19, 1950, Serial No. 581,537.

PYROCHECK

For Fiber Board With a Flame Resisting Coating.
Claims use since June 27, 1949.

539,768. (Class 44. Dental, Medical, and Surgical Appliances.) William S. Horn, doing business as Hospital Bedhight Company, Fort Worth, Tex. Original filed, act of 1946, Principal Register, July 9, 1949; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 581,923.



The drawing is lined for blue.
For Portable Hospital Commodes.
Claims use since Apr. 15, 1949.

539,769. (Class 51. Cosmetics and Toilet Preparations.) Revlon Products Corporation, New York, N. Y. Filed Aug. 17, 1949, Serial No. 583,617.

AQUAMARINE

For Lotions.
Claims use since Apr. 1, 1946.

539,770. (Class 39. Clothing.) Rosedale Knitting Company, Reading, Pa. Original filed, act of 1946, Principal Register, July 30, 1949; amended to application, Supplemental Register, Aug. 1, 1950, Serial No. 583,845.

Crepe de Sheer

For Crepe Hosiery for Women and Girls.
Claims use since June 14, 1949.

539,771. (Class 38. Prints and Publications.) Motor Cargo, Inc., Memphis, Tenn. Original filed, act of 1946, Principal Register, Sept. 21, 1949; amended to application, Supplemental Register, Sept. 25, 1950, Serial No. 585,499.

MOTOR CARGO

For Periodical Publication.
Claims use since Dec. 10, 1945.

539,772. (Class 18. Medicines and Pharmaceutical Preparations.) Effie M. Waspi, doing business as Waspi Pain Chaser, Kansas City, Mo. Original filed, act of 1946, Principal Register, Oct. 6, 1949; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 585,876.

WASPI

For Liniment for Relief of Muscular Aches and Pains.
Claims use since Oct. 15, 1948.

539,773. (Class 46. Foods and Ingredients of Foods.) Di Giorgio Fruit Corporation, San Francisco, Calif. Original filed, act of 1946, Principal Register, Oct. 24, 1949; amended to application, Supplemental Register, Nov. 20, 1950, Serial No. 586,731.

OH YES!
WE GROW THE BEST

Applicant claims ownership of Registrations Nos. 193,149, 399,451, and 399,452.
For Fresh Grapes, Fresh Pears, Fresh Asparagus, Fresh Plums, Fresh Persimmons, Fresh Pomegranates, Fresh Peaches, Fresh Melons, Fresh Apricots, Fresh Nectarines, Fresh Oranges, Fresh Tangerines, Fresh Lemons, Fresh Limes, Fresh Grapefruit, Fresh Tomatoes, and Fresh Apples.
Claims use since Oct. 10, 1923.

539,774. (Class 46. Foods and Ingredients of Foods.) Flotill Products, Incorporated, Stockton, Calif. Original filed, act of 1946, Principal Register, Oct. 24, 1949; amended to application, Supplemental Register, Jan. 15, 1951, Serial No. 586,748.

LA GUSTOSA

For Canned Tomatoes.
Claims use since September 1944.

539,775. (Class 46. Foods and Ingredients of Foods.) Gibson Packing Company, doing business as American Products Company, Yakima, Wash. Original filed, act of 1946, Principal Register, Nov. 3, 1949; amended to application, Supplemental Register, Oct. 2, 1950, Serial No. 587,259.

GIBSON
B SURE

Applicant claims ownership of Registration No. 516,180.
For Canned and Dehydrated Dog and Cat Food.
Claims use since Feb. 24, 1948.

539,776. (Class 14. Metals and Metal Castings and Forgings.) The Murray Company of Texas, Inc., doing business under the name and style of Boston Gear Works, Dallas, Tex., and North Quincy, Mass. Original filed, act of 1946, Principal Register, Dec. 6, 1949; amended to application, Supplemental Register, Nov. 21, 1950, Serial No. 588,877.

BOST-BRONZ

For Bronze Bars, Both Cored and Solid, and Bronze Plates.
Claims use since Oct. 15, 1949.

539,777. (Class 6. Chemicals and Chemical Compositions.) Southern Sizing Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Dec. 8, 1949; amended to application, Supplemental Register, Jan. 11, 1951, Serial No. 589,047.

MICRON SIZE

For Composition for Use in the Sizing of Yarns, Which Is in Emulsion Form and of Which the Active Ingredient Is High Melting Point Fatty Matter.
Claims use since Oct. 11, 1949.

539,778. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Globe Hoist Company, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Dec. 17, 1949; amended to application, Supplemental Register, Jan. 11, 1951, Serial No. 589,504.

WALL CLIMBER

For Stationary Hoist of a Type Adapted To Be Erected Along Side of the Wall of a Building.
Claims use since Aug. 24, 1949.

539,779. (Class 28. Jewelry and Precious-Metal Ware.) Max H. Storch, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 5, 1950; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 590,395.

Chase
"STERLINGWARE"

For Silverplated and Sterling Silver Knives, Forks, Spoons, and Other Tableware.
Claims use since Nov. 9, 1949.

539,780. (Class 39. Clothing.) The H. W. Gossard Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 30, 1950; amended to application, Supplemental Register, Jan. 15, 1951, Serial No. 591,676.

NARROLINE

For Girdles, Panty Girdles, and Combination Corsets and Brassières.
Claims use since Dec. 27, 1949.

539,781. (Class 39. Clothing.) Bacmo Postman Corp., Gloversville, N. Y. Original filed, act of 1946, Principal Register, Feb. 7, 1950; amended to application, Supplemental Register, Jan. 16, 1951, Serial No. 592,068.

A Hand-Full of Fashion

For Gloves Made of Leather and Gloves Made of Fabric.
Claims use since Jan. 6, 1950.

539,782. (Class 12. Construction Materials.) Vetter Manufacturing Company, Stevens Point, Wis. Original filed, act of 1946, Principal Register, Feb. 24, 1950; amended to application, Supplemental Register, Nov. 3, 1950, Serial No. 593,031.

Quick Switch

For Combination Storm Sash and Screen.
Claims use since Apr. 4, 1946.

539,783. (Class 39. Clothing.) Jean Frocks, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 17, 1950; amended to application, Supplemental Register, Jan. 11, 1951, Serial No. 594,127.

"where the budget-wise economize"

For Ladies' Dresses, Negligees, Housecoats, Bathrobes, Sweaters, Slips, Panties and Girdles.
Claims use since Jan. 3, 1949.

539,784. (Class 22. Games, Toys, and Sporting Goods.) Ideal Novelty & Toy Co., Hollis, N. Y. Original filed, act of 1946, Principal Register, Mar. 23, 1950; amended to application, Supplemental Register, Jan. 19, 1950, Serial No. 594,466.

HEART BEAT DOLL

For Dolls.
Claims use since Jan. 16, 1950.

539,785. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Forstmann Woolen Co., Passaic, N. J. Original filed, act of 1946, Principal Register, Apr. 4, 1950; amended to application, Supplemental Register, Oct. 14, 1950, Serial No. 595,202.

TWILLCORD

Applicant claims ownership of Registrations Nos. 148,330 and 197,555.
For Woolen Piece Goods.
Claims use since Sept. 15, 1920.

539,786. (Class 39. Clothing.) Stylecraft Lingerie, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 4, 1950; amended to application, Supplemental Register, Jan. 17, 1951, Serial No. 595,233.

Konseela Bra

For Ladies' and Misses' Brassière and Slip Combinations.
Claims use since Jan. 3, 1950.

539,787. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Gittlin Bag Company, doing business under the name and style of Gittlin Charlotte Bag Co., Newark, N. J., and Charlotte, N. C. Original filed, act of 1946, Principal Register, Apr. 28, 1950; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 596,491.

STRETCHRITE

For Textile Fabric Tubing Made of Cotton or Jute and Sold for Use in Wrapping Bales and the Like.
Claims use since June 1947.

539,788. (Class 14. Metals and Metal Castings and Forgings.) M. Swift & Sons, Inc., Hartford, Conn. Filed June 14, 1950, Serial No. 599,131.

SWIFT STAMPS
THE WORLD

For Metal Foil.
Claims use since Feb. 7, 1949.

539,789. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Tifton Chenille Company, Tifton, Ga. Filed Aug. 4, 1950, Serial No. 601,761.

Cotton Cushion

For Tufted Rugs.
Claims use since Apr. 4, 1949.

539,790. (Class 21. Electrical Apparatus, Machines, and Supplies.) U-C-Lite Manufacturing Company, Chicago, Ill. Filed Aug. 15, 1950, Serial No. 602,233.

BIG BEAM JR.

Applicant claims ownership of Registration No. 405,663.
For Combination Incandescent Lights and Battery Units, and Battery Chargers.
Claims use since Aug. 1, 1949.

Service Mark

539,791. (Class 103. Construction and Repair.) Byron Stout Co., Incorporated, Wichita, Kans. Original filed, act of 1946, Principal Register, Aug. 29, 1947; amended to application, Supplemental Register, Sept. 27, 1948, Serial No. 532,882.

PERSONALIZED
AUTOMOTIVE SERVICE

For Automobile and Truck Repair—Namely, Motor Tune Up, Valve Grinding, Replacement of Pistons and Piston Rings, Motor Replacement, Painting, Body and Fender Work and Tow-In Service.
Claims use since Nov. 15, 1945.

TRADE-MARK REGISTRATIONS RENEWED

35,691. EAGLE. Registered Jan. 1, 1901. Borden's Condensed Milk Company. Re-renewed Jan. 1, 1951, to The Borden Company, New York, N. Y., a corporation of New Jersey. Milk, Condensed Milk, Cream, Evaporated Cream, and Buttermilk. Class 46.

36,163. EAGLE. Registered Apr. 2, 1901. The Elgin Butter Company, Elgin, Ill. Re-renewed Apr. 2, 1951, to The Borden Company, New York, N. Y., a corporation of New Jersey. Butter. Class 46.

74,688. PRESIDENT. Registered Aug. 3, 1909. Heller & Long. Re-renewed Aug. 3, 1949, to Personality Handkerchiefs, Inc., New York, N. Y., a corporation of New York. Handkerchiefs. Class 39.

79,720. "LA FLOR DE LA ISABELA" AND DRAWING. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,723. REPRESENTATION OF COAT OF ARMS. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,724. REPRESENTATION OF COAT OF ARMS. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,725. "LA FLOR DE LA ISABELA" AND DRAWING. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,726. REPRESENTATION OF COAT OF ARMS. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,727. "LA FLOR DE LA ISABELA" AND DRAWING. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,732. "LA FLOR DE LA ISABELA" AND DRAWING. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,733. "LA FLOR DE LA ISABELA" AND DRAWING. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

79,736. "LA FLOR DE LA ISABELA" ETC. AND DESIGN. Registered Oct. 4, 1910. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a corporation organized under the laws of Spain. Re-renewed Oct. 4, 1950. Cigars. Class 17.

80,339. EB WB. Registered Dec. 13, 1910. B. Barling & Sons. Re-renewed Dec. 13, 1950, to Montague Henry Barling, doing business as B. Barling & Sons, London, England. Tobacco-Pipes. Class 8.

80,920. APEX. Registered Feb. 14, 1911. Heaton-Peninsular Button Fastener Co. Re-renewed Feb. 14, 1951, to Elliott-Heaton-Peninsular Corporation, Boston, Mass., a corporation of Massachusetts. Staple Like Metallic Fasteners for Attaching Buttons to Boots and Shoes and for Securing Pieces of Clothing Together. Class 40.

80,990. "HAND IN GLOVE" ETC. AND DRAWING. Registered Feb. 21, 1911. Dent, Allcroft & Co. Renewed Feb. 21, 1951, to Dent, Allcroft & Co., Ltd., London, England, a corporation organized under the laws of Great Britain. Gloves. Class 39.

81,056. RED BOY. Registered Feb. 28, 1911. Deming & Gould Co., Chicago, Ill. Re-renewed Feb. 28, 1951, to Pacific American Fisheries, Inc., Bellingham, Wash., a corporation of Delaware. Canned Salmon. Class 46.

81,096. RED TOP. Registered Feb. 28, 1911. Pacific American Fisheries, Chicago, Ill. Re-renewed Feb. 28, 1951, to Pacific American Fisheries, Inc., Bellingham, Wash., a corporation of Delaware. Canned Salmon. Class 46.

81,165. KING BIRD. Registered Mar. 7, 1911. Pacific American Fisheries, Chicago, Ill. Re-renewed Mar. 7, 1951, to Pacific American Fisheries, Inc., Bellingham, Wash., a corporation of Delaware. Canned Salmon. Class 46.

81,563. "CRANE" AND DRAWING. Registered Apr. 18, 1911. Winter Garden Citrus Growers' Association, Winter Garden, Fla., a corporation of Florida. Renewed Apr. 18, 1951. Oranges, Lemons, Grapefruit, Tangerines, and Limes. Class 46.

81,710. SUCCESS. Registered May 2, 1911. Holton & Adams, Inc., New York, N. Y., a corporation of New York. Re-renewed May 2, 1951. Tooth, Hair, Military, Clothes and Hat Brushes. Class 29.

82,084. SUCCESS. Registered May 30, 1911. Holton & Adams, Inc., New York, N. Y., a corporation of New York. Re-renewed May 30, 1951. Nail, Hand, Bath, Complexion, Infant and Lather Brushes and Powder Puffs. Class 29.

82,187. "WF" ETC. AND DESIGN. Registered June 6, 1911. Frederic Walmsley Warrick, Grasse, France. Re-renewed June 6, 1951, to Jacob Manheimer, New York, N. Y. Olive Oil. Class 46.

270,560. GRO-PAC. Registered May 6, 1930. John T. Lovett, Little Silver, N. J. Renewed May 6, 1950. Plants, Balls of Plants, and Field, Garden, and Vegetable Seeds. Class 1.

272,755. "DHB CREST BRAND" AND DRAWING. Registered July 15, 1930. Donald H. Bain, Ltd., Winnipeg, Manitoba; Fort William, Ontario; and Regina, Saskatchewan, Canada. Renewed July 15, 1950, to Donald H. Bain, Limited, Winnipeg, Manitoba; Montreal, Quebec; Fort William, Ontario; Regina and Saskatoon, Saskatchewan; Calgary and Edmonton, Alberta; and Vancouver, British Columbia, Canada, a corporation organized under the laws of the Dominion of Canada. Shelled Almonds in Boxes, Almonds in Shell in Bags, Shelled Brazil Nuts in Boxes or Bags, Etc. Class 46.

274,472. "CHARING CROSS" AND DESIGN. Registered Aug. 26, 1930. Lebanon Shirt Company, Lebanon, Lititz, Lexington, and Hebron, Pa., and New York, N. Y. Renewed Aug. 26, 1950, to Lebanon Shirt Co., Inc., New York, N. Y., a corporation of New York. Men's and Boys' Hats, Caps, Neckties, Collars, Sweaters, Garters, Etc. Class 39.

274,906. "VOGT'S" AND DESIGN LINED FOR BLUE AND RED. Registered Sept. 9, 1930. F. G. Vogt & Sons, Incorporated. Renewed Sept. 9, 1950, to Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Sliced Meats—Namely, Sliced Bacon. Class 46.

275,674. "VAN HOUTEN'S CACAOBOTER," ETC. AND DESIGN. Registered Sept. 30, 1930. C. J. Van Houten & Zoon. Renewed Sept. 30, 1950, to C. J. van Houten & Zoon N. V., Weesp, Netherlands, a corporation organized under the Kingdom of the Netherlands. Cocoa Butter for Food Purposes. Class 46.

276,978. WORTH OF PARIS. Registered Nov. 4, 1930. Société Worth, assignor to Worth, Societe Anonyme. Renewed Nov. 4, 1950, to Worth, Societe Anonyme, Paris, France, a corporation organized under the laws of the Republic of France. Cloaks, Jackets, Tailored Cloaks, Gowns, and Suits for Women; Blouses, Etc. Class 39.

277,157. YALE. Registered Nov. 11, 1930. The Yale and Towne Mfg. Co., Stamford, Conn. Renewed Nov. 11, 1950, to The Yale & Towne Manufacturing Co., New York, N. Y., a corporation of Connecticut. Push Buttons. Class 21.

277,267. YALE. Registered Nov. 11, 1930. The Yale and Towne Mfg. Co., Stamford, Conn. Renewed Nov. 11, 1950, to The Yale & Towne Manufacturing Co., New York, N. Y., a corporation of Connecticut. Escutcheons, Door Handles, Door Pulls, Push Plates, Etc. Class 13.

277,323. YALE. Registered Nov. 11, 1930. The Yale and Towne Mfg. Co., Stamford, Conn. Renewed Nov. 11, 1950, to The Yale & Towne Manufacturing Co., New York, N. Y., a corporation of Connecticut. Key-Bitting Machines. Class 23.

277,478. "IZAAK WALTON LEAGUE OF AMERICA" AND DRAWING. Registered Nov. 11, 1930. Izaak Walton League of America, Inc., Chicago, Ill., a not for profit corporation of Illinois. Renewed Nov. 11, 1950. Monthly Publication. Class 38.

278,124. SHUR-SPRAY. Registered Dec. 2, 1930. International Fire Equipment Corporation, West New Brighton, N. Y. Renewed Dec. 2, 1950 (Supplemental Register), to International Fire Equipment Corporation, Staten Island, N. Y., a corporation of Delaware. Stationary Automatic Fire Extinguishers. Class 23.

278,248. METALIX. Registered Dec. 9, 1930. N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Renewed Dec. 9, 1950, to North American Philips Company, Inc., New York, N. Y., a corporation of Delaware. Electromedical Apparatus—Namely, X-Ray Tubes and Apparatus Including Autotransformers for X-Ray Tubes, Etc. Class 44.

278,786. "BLUE CROSS" ETC. AND REPRESENTATION OF CROSS. Registered Dec. 30, 1930. Henry A. Dix & Sons Corporation, New York, N. Y., a corporation of New York. Renewed Dec. 30, 1950. Uniforms, Caps, and Aprons for Misses. Class 39.

278,844. "ADTA THE DENTAL TRADE" AND DESIGN. Registered Dec. 30, 1930. American Dental Trade Association, Washington, D. C., an association. Renewed Dec. 30, 1950. Monthly Trade Publication. Class 38.

278,916. "FABRIEK-EN" ETC. AND REPRESENTATION OF SEAL. Registered Jan. 6, 1931. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Renewed Jan. 6, 1951, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Natural and Synthetic Essential Oils, Aromatic Chemicals, and Flower Oils Suitable for Perfuming Purposes. Class 6.

278,917. "POLAK & SCHWARZ" AND DESIGN. Registered Jan. 6, 1931. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Renewed Jan. 6, 1951, to Polak & Schwarz, Inc., New York, N. Y., a corporation of New York. Natural and Synthetic Essential Oils, Aromatic Chemicals, and Flower Oils Suitable for Perfuming Purposes. Class 6.

278,920. "CP CHICAGO PNEUMATIC" AND DESIGN. Registered Jan. 6, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Jan. 6, 1951. Portable or Hand-Supported Electric Tools for Boring, Drilling, Reaming, Etc. Class 21.

278,921. "CP CHICAGO PNEUMATIC" AND DESIGN. Registered Jan. 6, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Jan. 6, 1951. Lubricating Oils and Greases for Machinery. Class 15.

279,463. ESTHÊTA. Registered Jan. 13, 1931. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der pferdepost von Ferd. Mülhens, Cologne, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Jan. 13, 1951. Eau de Cologne, Lavender Water, Hair Washes, Etc. Class 51.

279,516. PLASTACELE. Registered Jan. 20, 1931. Du Pont Viscoloid Company, New York, N. Y. Renewed Jan. 20, 1951, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Thermoplastic Materials, Which Can Be Pressed or Molded Under the Influence of Heat, Etc. Class 1.

279,765. MARITA. Registered Jan. 20, 1931. Forstmann & Huffmann Company. Renewed Jan. 20, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

279,815. TAVERN. Registered Jan. 27, 1931. E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware. Renewed Jan. 27, 1951. Oak Flooring. Class 12.

279,816. FIRESIDE. Registered Jan. 27, 1931. E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware. Renewed Jan. 27, 1951. Oak Flooring. Class 12.

280,083. ANVITA. Registered Feb. 10, 1931. A. O. Schmidt, doing business as A. O. Schmidt Co. Renewed Feb. 10, 1951, to John M. Lazzaretto, doing business as A. O. Schmidt Company, San Francisco, Calif. Vaginal Suppositories. Class 18.

280,101. VIBRATIONS. Registered Feb. 10, 1931. Adelaide Ortegat, née Adelaide Fernandez Lesa, Paris, France. Renewed Feb. 10, 1951, to Goya Incorporated, New York, N. Y., a corporation of New York. Perfumes, Face Powders, Toilet Powders, Talcum Powders, Etc. Class 51.

280,470. 557 ⅔. Registered Feb. 17, 1931. American Lead Pencil Company, New York, N. Y. Renewed Feb. 17, 1951, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Pencils. Class 37.

280,617. "CP CHICAGO PNEUMATIC" AND DESIGN. Registered Feb. 24, 1931. Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 24, 1951. Gaskets of Rubber or Rubber Composition, High-Pressure Hose Made of Rubber, Etc. Class 35.

280,625. THREE RIVERS. Registered Feb. 24, 1931. Theo. Stivers Milling Company. Renewed Feb. 24, 1951, to Southeastern Mills, Inc., Rome, Ga., a corporation of Georgia. Wheat Flour. Class 46.

280,717. ARGO. Registered Feb. 24, 1931. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 24, 1951. Laundry Starch. Class 6.

280,736. FLEXTOOTH. Registered Feb. 24, 1931. The Jeffrey Manufacturing Co. Renewed Feb. 24, 1951, to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio. Pulverizers and Crushers—Namely, Rotary Swing Hammer Machines. Class 23.

280,741. VENTILETTE. Registered Feb. 24, 1931. Diehl Manufacturing Company, Elizabeth, N. J. Renewed Feb. 24, 1951, to Diehl Manufacturing Company, New York, N. Y., a corporation of New Jersey. Electric Fans. Class 21.

280,921. TRANSLUCO. Registered Mar. 3, 1931. Lesher, Whitman & Co., Inc., New York, N. Y. Renewed Mar. 3, 1951, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine. Piece Goods, Being a Fabric With a Warp of Cotton or of Cotton and Mohair Mixed, Etc. Class 42.

280,931. PARAMOUNT PICTORIAL. Registered Mar. 3, 1931. Paramount Publix Corporation. Renewed Mar. 3, 1951, to Paramount Pictures Corporation, New York, N. Y., a corporation of New York. Motion Pictures. Class 26.

281,119. "YOU JUST KNOW SHE WEARS THEM". Registered Mar. 10, 1931. Propper-McCallum Hosiery Co., Inc., New York, N. Y., a corporation of Delaware. Renewed Mar. 10, 1951. Hosiery. Class 39.

281,156. SOUTHERN GOLD. Registered Mar. 10, 1931. Charles Lee DeBord, doing business as C. L. DeBord Mills, Johnson City, Tenn. Renewed Mar. 10, 1951. Wheat Flour. Class 46.

281,188. "PICKFORD" AND DESIGN. Registered Mar. 10, 1931. Falk Sherman, New York, N. Y. Renewed Mar. 10, 1951. Cotton Sheets, Sheeting, Pillowcases, and Quilt Covers. Class 42.

281,231. STALFORT'S FLASH WAX. Registered Mar. 10, 1931. John C. Stalfort & Sons, Inc., Baltimore, Md., a corporation of Maryland. Renewed Mar. 10, 1951. Wax in Semiliquid, Paste, Cream, Powder, and Solid Forms for Waxing Floors, Tile, Marble, Linoleum, Oilcloth, and Finished Leather. Class 4.

281,281. "RCA" WITHIN CIRCLE DESIGN. Registered Mar. 17, 1931. Radio Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Mar. 17, 1951. Electrical Systems for Receiving and/or Distributing Electrical Waves of Audible or Super-Audible Frequency, Etc. Class 21.

281,458. HG "WEAR RIGHT". Registered Mar. 17, 1931. Wimelbacher & Rice. Renewed Mar. 17, 1951, to Wimelbacher & Rice Inc., New York, N. Y., a corporation of New York. Leather and Fabric Gloves. Class 39.

281,670. "CHEVALIER" AND DESIGN. Registered Mar. 24, 1931. The Robbins Knitting Company, High Point, N. C. Renewed Mar. 24, 1951, to The Robbins Knitting Company, Spruce Pine, N. C., a corporation of North Carolina. Men's, Women's, and Children's Hosiery. Class 39.

281,895. "DAIRY BAR" ETC. AND DRAWING. Registered Apr. 7, 1931. Wesley H. Davis, doing business as Sunset Farms, Tyngsboro, Mass. Renewed Apr. 7, 1951. Milk, Cream, Cottage Cheese, Ice Cream, Sandwiches, Doughnuts, and Fresh Deciduous Fruits. Class 46.

282,024. EVER TACK. Registered Apr. 7, 1931. Swift and Company. Renewed Apr. 7, 1951, to Swift & Company, Chicago, Ill., a corporation of Illinois. Glue. Class 5.

282,358. ARPÈGE. Registered Apr. 21, 1931. Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y. Renewed Apr. 21, 1951, to Lanvin Parfums, Inc., New York, N. Y., a corporation of Delaware. Perfume Extract. Class 51.

282,447. NEUTRALIZER. Registered Apr. 21, 1931. The Crawford, McGregor and Canby Company, Dayton, Ohio. Renewed Apr. 21, 1951, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio. Golf Clubs. Class 22.

282,453. "L'AME PERDUE" ETC. Registered Apr. 21, 1931. Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y. Renewed Apr. 21, 1951, to Lanvin Parfums, Inc., New York, N. Y., a corporation of Delaware. Perfumes and Toilet Water. Class 51.

282,606. "BLUE STAR" AND REPRESENTATION OF STAR LINED FOR BLUE. Registered Apr. 28, 1931. The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio. Renewed Apr. 28, 1951. Paints (Ready-Mixed and Paste), Paint Finishes, Paint Enamel Finishes, Etc. Class 16.

282,631. "CELLO" WITHIN CIRCLE. Registered Apr. 28, 1931. Freydberg Brothers, Incorporated. Renewed Apr. 28, 1951, to Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York. Ribbon Composed of Cellulose Composition Material for Tying Packages and Other Uses. Class 7.

282,663. BELTONIC. Registered Apr. 28, 1931. Beltonic Products Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 28, 1951. Belt Dressing. Class 6.

282,672. CORN-O-MAY. Registered Apr. 28, 1931. The Capital City Products Company, Columbus, Ohio, a corporation of Delaware. Renewed Apr. 28, 1951. Refined Corn Oil Used for Salads and Cooking and Mayonnaise Purposes in Cans and Barrels. Class 46.

282,676. "ECONOMY" AND DRAWING. Registered Apr. 28, 1931. Kerr Glass Manufacturing Corporation, Sand Springs, Okla. Renewed Apr. 28, 1951, to Kerr Glass Manufacturing Corporation, Los Angeles, Calif., a corporation of Nevada. Glass Jars Sold With or Without Metal Caps. Class 33.

282,728. TWISTELL. Registered Apr. 28, 1931. Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Apr. 28, 1951. Hosiery. Class 39.

282,768. MET-CUT. Registered Apr. 28, 1931. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 28, 1951. Cutting Oils. Class 15.

282,812. DETECTO. Registered May 5, 1931. Baldwin Paper Company, Inc., New York, N. Y., a corporation of New York. Renewed May 5, 1951. Safety Paper, Including a Coated Safety Paper for Printing Labels and the Like. Class 37.

282,890. "TELLOY" ETC. AND DESIGN. Registered May 5, 1931. R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York. Renewed May 5, 1951. Chemically-Prepared Compound of Tellurium Used as a Toughener in the Manufacture of Rubber Products. Class 6.

283,034. SUNDAETTES. Registered May 12, 1931. H. Baron & Co., Incorporated, Brooklyn, N. Y. Renewed May 12, 1951, to Airline Foods Corporation, Linden, N. J., a corporation of Delaware. Flavoring Syrups for Use as Sauces, Toppings, and General Culinary Purposes. Class 46.

283,195. CAMPUS COLORINGS. Registered May 19, 1931. A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Renewed May 19, 1951. Corduroys in the Piece. Class 42.

283,774. ROSE. Registered June 9, 1931. Cleveland Provision Company, Cleveland, Ohio, a corporation of Ohio. Renewed June 9, 1951. Ham, Bacon, Sausage, Meat Roll, Meat Loaf, Dried Beef, and Souse. Class 46.

283,775. LAROCAINE. Registered June 9, 1931. Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. Renewed June 9, 1951. Medicinal Preparation Used as a Local Anaesthetic for Topical Application and for Injection. Class 18.

283,795. CAMPOLON. Registered June 9, 1931. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed June 9, 1951, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Liver-Extract Preparation. Class 18.

283,841. HONEY BUNCH. Registered June 9, 1931. Ideal Novelty & Toy Co., Brooklyn and New York, N. Y. Renewed June 9, 1951, to Ideal Novelty & Toy Co., Hollis, N. Y., a corporation of New York. Dolls. Class 22.

283,893. SINGLE-PLEX. Registered June 9, 1931. Wimelbacher & Rice. Renewed June 9, 1951, to Wimelbacher & Rice Inc., New York, N. Y., a corporation of New York. Leather and Fabric Gloves. Class 39.

283,972. "LILLY" LINED FOR RED AND DESIGN. Registered June 9, 1931. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed June 9, 1951. Chemical, Pharmaceutical, and Biological Products Listed Hereinbelow. Class 18.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

537,763. BANTHINE. Registered Feb. 13, 1951. G. D. Searle & Co., Skokie, Ill. Medical Agent for the Treatment of Abnormal Conditions of the Gastro-Intestinal System in Tablet and Ampule Form. Class 18. The drawing is hereby amended to appear as follows:

Banthine

228,367. "SUN FLOUR" AND DRAWING. Registered May 31, 1927. Hopkinsville Milling Co., Hopkinsville, Ky. WHEAT FLOUR. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the States of North Carolina, South Carolina, and Florida by order of the Commissioner dated Feb. 20, 1951, following decision on Concurrent Use Proceeding No. 37, *Interstate Milling Company* v. *Hopkinsville Milling Co.*

506,864. "SUNFLOWER" AND DRAWING. Registered Feb. 22, 1949. Hopkinsville Milling Co., Hopkinsville, Ky. Corn Meal. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the States of North Carolina, South Carolina, and Florida by order of the Commissioner dated Feb. 20, 1951, following decision on Concurrent Use Proceeding No. 37, *Interstate Milling Company* v. *Hopkinsville Milling Co.*

506,877. "SUNFLOUR" AND DRAWING. Registered Feb. 22, 1949. Hopkinsville Milling Co., Hopkinsville, Ky. Wheat Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the States of North Carolina, South Carolina, and Florida by order of the Commissioner dated Feb. 20, 1951, following decision on Concurrent Use Proceeding No. 37, *Interstate Milling Company* v. *Hopkinsville Milling Co.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 34,463. Registered Apr. 10, 1900. James Carter & Co., London, England. Republished by Carters Tested Seeds Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland.



For Seeds, Cereals, and Foods Made of Cereals, Including Crushed Grains for Porridge, Flour, and Meal.

Claims use since December 1897.

Reg. No. 334,584. Registered May 5, 1936. Great Lakes Coal & Coke Co., Chicago, Ill. Republished by Great Lakes Carbon Corporation, New York, N. Y., a corporation of Delaware.



The words "Coke," "Petroleum Carbon," and "Less Than a Shovel of Ash to a Ton" are disclaimed apart from the mark as shown. The drawing is lined for red.

For Fuel in Solid Form, Somewhat Resembling Coke Made From Coal, but Actually Prepared From a Petroleum By-Product.

Claims use since December 1932.

Reg. No. 431,806. Registered Aug. 12, 1947. Jensen Manufacturing Company, Seattle, Wash. Republished by Jen-Cel-Lite Corporation, Seattle, Wash., a corporation of Washington.

Jen-Cel-Lite

The word "Lite" is disclaimed apart from the mark as shown.

For Aggregate in Bat Form for Stuffing, Quilting, Filling or Padding Use and Formed of Non-Continuous Filaments, Composed Wholly or Partially of Cellulose Derivatives.

Claims use since June 19, 1944.

CLASS 7

CORDAGE

Reg. No. 360,746. Registered Sept. 27, 1938. James H. Billington Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The representation of the goods per se are disclaimed apart from the mark as shown. The drawing is lined for red.

For Mule Banding, Made of Vegetable Fibers.

Claims use since on or about Sept. 13, 1902.

CLASS 39

CLOTHING

Reg. No. 61,376. Registered Mar. 19, 1907. Chas. Chipmans Sons, Easton, Pa. Republished by Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York.

COUNTESS

For Hosiery.
Claims use since about the first day of October 1890.

Reg. No. 77,296. Registered Mar. 29, 1910. Chas. Chipman's Sons, Easton and Sellinsgrove, Pa. Republished by Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York.



Show Girl

For Hosiery.
Claims use since May 1908.

Reg. No. 129,439. Registered Feb. 24, 1920. Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Hosiery for Men, Women, and Children.
Claims use since Dec. 1, 1908.

Reg. No. 278,870. Registered Dec. 30, 1930. Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

PHOENIX
dul Sheer

The words "dul Sheer" are disclaimed apart from the mark as shown.
For Hosiery for Men, Women, and Children.
Claims use since Mar. 22, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 34,463. Registered Apr. 10, 1900. James Carter & Co., London, England. Republished by Carters Tested Seeds Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland.



For Seeds, Cereals, and Foods Made of Cereals, Including Crushed Grains for Porridge, Flour, and Meal.
Claims use since December 1897.

Reg. No. 38,114. Registered Apr. 15, 1902. Merwanjee Poonjiajee & Sons, Bombay, India, a co-partnership of India. Republished by registrant.



For Chutney.
Claims use since November 1876.

Reg. No. 88,434. Registered Sept. 17, 1912. James Van Dyk Company, New York, N. Y. Republished by James Van Dyk Co., Inc., Brooklyn, N. Y., a corporation of New York.

Duchess

For Coffee.
Claims use since Jan. 1, 1900.

Reg. No. 381,731. Registered Oct. 1, 1940. Falcon Packing Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

RICARDO

For Bottled Olives.
Claims use since Jan. 1, 1917.

Reg. No. 384,957. Registered Feb. 11, 1941. John Magee & Co. Inc., New York, N. Y., assignor to John Magee & Co. Incorporated. Republished by John Magee & Co., Incorporated, Old Saybrook, Conn., a corporation of Connecticut.



The drawing is lined for gold.
For Bottled Olives and Bottled Maraschino Cherries.
Claims use since July 2, 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 311,220. Registered Mar. 20, 1934. Vigny, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

HEURE INTIME

For Perfumes.
Claims use since Oct. 24, 1933.

Reg. No. 415,858. Registered Aug. 21, 1945. Nips, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

Nips

For Perfumes.
Claims use since Apr. 14, 1919.

REISSUES

MARCH 20, 1951

23,346

HIGH-FREQUENCY ANTENNA

Michael D. Ercolino, Wanamassa, N. J., assignor to Telrex, Inc., Asbury Park, N. J.

Original No. 2,518,297, dated August 8, 1950, Serial No. 67,360, December 27, 1948. Application for reissue September 6, 1950, Serial No. 183,456

7 Claims. (Cl. 250—33.65)



4. A high frequency antenna comprising front and rear antenna elements, said front antenna element being composed of a single pair of crossed dipoles so as to form two front V-shaped dipole structures, each dipole structure having its axis in a horizontal plane and the apices of the respective structures being adjacent each other, each of said front pair of V-shaped structures being inclined toward the other so that their axes form an obtuse angle, said rear antenna element being composed of at least two aligned dipole arms constituting a dipole, said rear antenna element having its axis substantially straight and in a horizontal plane, said rear antenna element being spaced from said front pair of dipole structures so as to act as a reflector therefor, the obtuse angle formed by said front pair of V-shaped structures axes, having its apex directed toward and its arms directed away from, said rear antenna element axis.

23,347

ART OF MAKING PHENOL-ALDEHYDE REACTION PRODUCTS AND THE PRODUCT THEREOF

Donald V. Redfern, Seattle, Wash., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash., a corporation of Illinois

No Drawing. Original No. 2,457,493, dated December 28, 1948, Serial No. 772,016, September 3, 1947. Application for reissue January 3, 1950, Serial No. 136,652

15 Claims. (Cl. 260—57)

1. The process of producing a thermosetting phenol-aldehyde resin condensation product comprising forming an aqueous mixture of a phenol selected from the group consisting of phenol, cresol, *and* xylenol, [resorcinol,] an aldehyde in which the aldehyde group is the sole reactive group, and an inorganic alkaline catalyst accelerating the formation of the resin reaction-product on heating, said catalyst expressed as sodium hydroxide being present in an amount equivalent to not over 10% of the total mix constituents, the molar ratio of the aldehyde to the phenol varying from 1:1 to 3:1, heat-reacting said mix and producing a water-soluble phenol-aldehyde reaction product, the viscosity of the latter increasing during this initial reaction period and being indicative of the advancement of the water-soluble reaction-product towards a stage where the water-soluble state terminates, said aldehyde retaining its activity during the formation of the water-soluble phenol-aldehyde reaction-product, reducing the viscosity of the water-soluble reaction-product and its tendency to progress to a water-insoluble reaction-product by adding *thereto an alkali metal hydroxide*, [additional] [inorganic alkaline material,] and further [condensing] *heating* the water-soluble resin to a stage where an aqueous solution of the mass shows a precipitate upon the addition of ethanol, said condensation reaction-product remaining water-soluble, said *alkali metal hydroxide* [alkaline material] increasing the pH of the finally condensed product to between 9.5 and 14 inclusive.

PLANT PATENTS

GRANTED MARCH 20, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,008
BERRY PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application February 7, 1950, Serial No. 142,779
1 Claim. (Cl. 47—62)

A new and distinct variety of berry plant characterized as to novelty by the very great vigor of the plant, production of long and strong canes, clothed with medium to large, heavy, semi-glossy leaves of a somewhat rugose character, marked resistance to such diseases as mildew, cane blight and anthracnose, with large, nearly round, more glossy fruit comparable in size to the boysenberry but of much greater productivity as measured principally by the greater number of fruit per cluster, said fruit having a distinctive color and a sweeter and better blend of flavor combining that of the red raspberry and blackberry, and being distinguished from its parent by being more readily separated from the stem in picking, substantially as shown and described.

1,009
ROSE PLANT
Paul J. Howard, Los Angeles, Calif., assignor to Paul J. Howard California Flowerland, Los Angeles, Calif., a corporation
Application November 4, 1949, Serial No. 125,433
1 Claim. (Cl. 47—61)

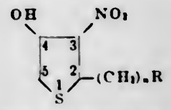
The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by its healthy, abundant foliage which is rich green, glossy and leathery; its habit of producing flowers only at terminals of the branches; and the very large, slow-opening and long-lasting flowers of firm substance, high-centered and lasting form, moderate fragrance and general orange-apricot color.

PATENTS

GRANTED MARCH 20, 1951

2,545,433
3-NITRO-4-HYDROXY-THIOPHANES
Cyril Grob, Basel, Switzerland, assignor to Haco-Gesellschaft A. G., Gumligen, near Berne, Switzerland, a Swiss company
No Drawing. Application April 5, 1949, Serial No. 85,707. In Switzerland May 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1966
12 Claims. (Cl. 260—329)

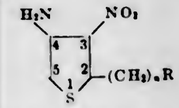
1. As new compounds, 3-nitro-4-hydroxy-thiophanes and their stereoisomers substituted in the 2-position and corresponding to the general formula



wherein n means an integer from 1 to 7 inclusive and R means a member selected from the group consisting of hydrogen and carboxy and carbalkoxy radicals.

2,545,434
3-NITRO-4-AMINO-THIOPHANES
Cyril Grob, Basel, Switzerland, assignor to Haco-Gesellschaft A. G., Gumligen, near Berne, Switzerland, a Swiss company
No Drawing. Application April 5, 1949, Serial No. 85,708. In Switzerland May 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1966
14 Claims. (Cl. 260—329)

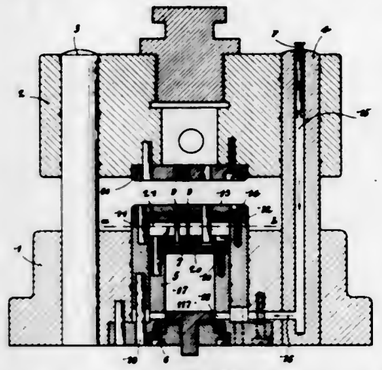
1. As new compounds, 3-nitro-4-amino-thiophanes and their stereoisomers substituted in the 2-position and corresponding to the following general formula:



wherein n means an integer from 1 to 7 inclusive and R means a member selected from the group consisting of hydrogen and carboxyl, carbalkoxy and carbamido radicals.

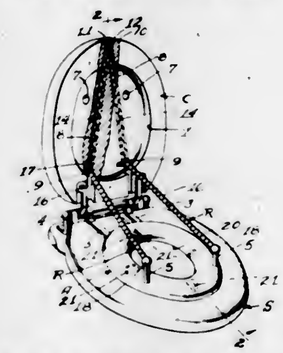
2,545,435
APPARATUS FOR INTERNAL TRUING OF HOLES
Robert Langel, Courtelary, Switzerland
Application October 25, 1947, Serial No. 782,116
In Switzerland August 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 8, 1961
7 Claims. (Cl. 51—59)

1. An apparatus for internal truing of holes which have been previously bored into a work piece, comprising in combination a block made of two distinct parts one of which is stationary and the other movable, a cylindrical recess in one of those distinct parts, a bushing slidingly mounted in said cylindrical recess and having a bottom wall projecting from the outer surface of said recessed part facing the other block part, a plunger within said bushing in sliding engagement therewith and secured to said recessed block part, perforated plates holding said tool and secured to said plunger in spaced relation with said bottom wall of the bushing, said plates covering a recess in said plunger for use as an oil



chamber for the oil destined to the lubrication of said tool and of the frictionally engaging surfaces of said bushing and plunger assembly, and means for delivering oil into said chamber and into the space between said tool holding plates and said bottom wall of the bushing, whereby upon actuation of said movable block part, oil is circulated by pressure exerted thereon by said bushing.

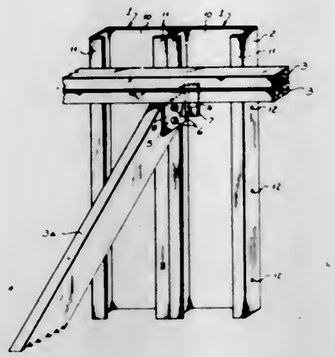
2,545,436
TOILET SEAT COVER
Rose Liebling, Atlanta, Ga.
Application June 7, 1948, Serial No. 31,513
4 Claims. (Cl. 4—239)



4. As a new article of manufacture, a toilet seat cover, a pivoted supplemental toilet seat, said cover having a pocket in the under side thereof to receive said seat, flexible arms for the supplemental seat, said cover being provided with means to receive said arms through openings in the bottom of the pocket, coacting means be-

tween the cover and said flexible arms for retracting the arms into the said receiving means of the cover, and means for detachably coupling the flexible arms with the supplemental seat.

2,545,437
SUPPORTING BRACKET FOR BUILDING MOLDING FORMS
Harry Lindemann, Teaneck, N. J.
Application February 26, 1947, Serial No. 731,010
3 Claims. (Cl. 25—131)



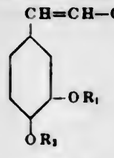
1. A mold comprising a pair of channel-shaped mold-sections, each said mold-section having an outer section wall which is fixed to respective end transverse section walls to which inner section walls are respectively fixed, said mold-sections being positioned with respective transverse section walls abutting each other and being connected to each other, said outer section walls being in alinement and said inner section walls being in alinement, a bracket which has a transverse bracket wall which abuts and is connected to a transverse section wall of a respective mold-section, said transverse bracket wall being fixed to additional outer and inner lateral bracket walls which abut the respective inner faces of the outer section wall and an inner section wall of said respective mold-section, said inner bracket wall having a transversely extending end-wall which extends beyond said inner section-walls.

2,545,438
SPARK PLUG ELECTRODE
Max Joseph Stumbock, South Orange, and Ross Bayes, Basking Ridge, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application January 12, 1949, Serial No. 70,593
3 Claims. (Cl. 123—169)

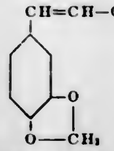
1. A spark plug comprising a pair of electrodes electrically insulated from each other and at least one electrode formed of a compacted heated mixture of silver and refractory oxide, the constituents being initially in finely divided condition, wherein the refractory oxide is distributed throughout the body of said silver along the grain boundaries of the crystals thereof, said refractory oxide constituting from 0.01% to 1.5% of said mixture.

2,545,439
PREPARATION OF NUCLEAR SUBSTITUTED CINNAMYL ALCOHOLS
Charles F. H. Allen and John R. Byers, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 17, 1948, Serial No. 2,968
6 Claims. (Cl. 260—613)

1. A process for preparing a nuclear-substituted cinnamyl alcohol which comprises selectively reducing a compound selected from those represented by the following two formulas:



and

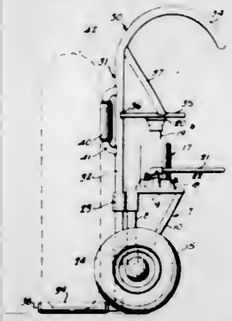


wherein R represents an aikyl group, and R_1 and R_2 each represents a member selected from the group consisting of a methyl group, an ethyl group, and an acetyl group, with lithium aluminum hydride having the formula:

$LiAlH_4$

and liberating the nuclear-substituted cinnamyl alcohol from the lithium salt of the nuclear-substituted cinnamyl alcohol which forms during the selective reduction by treating the lithium salt with an aqueous solution of a compound selected from the group consisting of boric acid, disodium phosphate, ammonium chloride and ammonium sulphate.

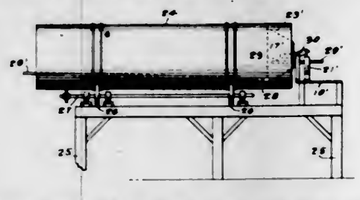
2,545,440
HAND TRUCK
John M. Barber, Clear Lake, Iowa
Application February 10, 1948, Serial No. 7,390
4 Claims. (Cl. 214—95)



1. A hand truck comprising a relatively stationary wheeled frame having depending ground engaging wheels on opposite sides thereof, said frame having forwardly positioned laterally spaced vertical side members each having forwardly projecting vertically spaced side bearings thereon, said frame terminating at its upper

end in a platform positioned rearwardly from said vertical members, a vertically movable frame comprising laterally spaced vertical side members slidably confined in said vertically spaced slide bearings on the side members of said stationary frame, the side members of said vertically adjustable frame being vertically elongated to extend from a point below said stationary frame to a point substantially above said platform of said stationary frame, the lower ends of the side members of said adjustable frame having forwardly projecting load bearing arms arranged to rest upon the ground in front of said adjustable frame while said adjustable frame is in a depressed position whereby forward tilting of the truck on the axis of the ground engaging wheels is precluded, an abutment on an upper part of said adjustable frame connected to and between the side members of said adjustable frame and projecting rearwardly therefrom to a position spaced vertically over said platform on the upper end of said stationary frame, and a vertically extensible and contractible jack operatively interposed between and engaging said platform and said abutment and spaced rearwardly from said adjustable frame for raising and lowering said vertically adjustable frame relative to said stationary frame from a depressed position in which said load bearing arms engage the ground to an elevated position in which said load bearing arms are elevated above the ground.

2,545,441
METHOD FOR FORMING GLOMERULES
Edward P. Barrett, Mound, Minn.
Application July 21, 1947, Serial No. 762,449
In Sweden April 22, 1947
1 Claim. (Cl. 18—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



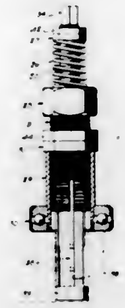
The method of forming substantially uniformly sized iron ore nodules having relatively great physical strength from finely pulverized iron ore which comprises mixing the finely divided iron ore with about 8 to 15 percent by volume of water, extruding the thereby produced plastic mass through a horizontally vibrating perforated plate, balling the thereby extruded plastic ore, and drying the balled plastic ore at temperatures between about 900 to 1250° centigrade.

2,545,442

WITHDRAWN

2,545,443
INTERNAL GROOVING AND REAMING TOOL
Burl B. Bowren, Freeport, Tex.
Application February 23, 1949, Serial No. 77,949
5 Claims. (Cl. 77—58)

1. An internal grooving and reaming tool comprising an elongated, generally cylindrical core having external screw threads adjacent one end and longitudinally-extending, elongated grooves adjacent its opposite end, said grooves being spaced at substantially equal angular intervals around said core and having their bottom surfaces outwardly inclined in a direction away from said opposite end of said core, respective bushings surrounding said core at the opposite ends of said grooves and having internally chamfered adjacent ends, an externally screw-threaded, cylindrical housing receiving said core and having longitudinally-extending slots therein registering with the grooves in said core, a first compression spring surrounding the screw-threaded portion of said core and bearing at one end on the bushing disposed at the inner ends of said core grooves, the bushing at the outer ends of said grooves being fixed in the corresponding end of said housing, abutment means on said housing bearing upon the opposite end of said spring, a second

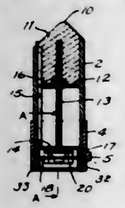


compression spring surrounding the screw-threaded portion of said core and bearing upon said abutment means, an abutment threaded onto said core and bearing upon the opposite end of said second spring, respective elongated, flat blades disposed in said core grooves and having beveled ends engaged by the chamfered ends of said bushings to retain said blades in operative assembly with said core, each of said blades being tapered in thickness inwardly of said core so that the blades will be forced radially outwardly of said core when said housing is moved relative to said core in a direction away from said outer ends of the core grooves, a cylindrical sleeve receiving said housing, an anti-friction thrust bearing on the end of said sleeve nearest the outer ends of said core grooves, and a nut threaded onto said housing and bearing against the opposite end of said sleeve to control the depth of operation of said tool in a work piece hole or bore.

2,545,444
LIPSTICK
Chester H. Braselton, New York, N. Y.
Application October 28, 1947, Serial No. 782,536
15 Claims. (Cl. 206—56)

1. In a lipstick, a detachable cartridge having a working end and adapted to contain lipstick material therein, a screw within the cartridge supported and held by a closure at the other end of the cartridge which holds the screw against longitudinal movement with respect to the cartridge, but permits rotation thereof, an annular flange on the lower projecting end of the closure

having a diametrically disposed driving slot therein, a gripping spring mounted in the bottom of the closure in alignment with the driving slot, a casing adapted to receive the closed end of the cartridge, and a driving rod across the hollow of one end of the casing adapted to engage the gripping spring on the closure and drivingly engage



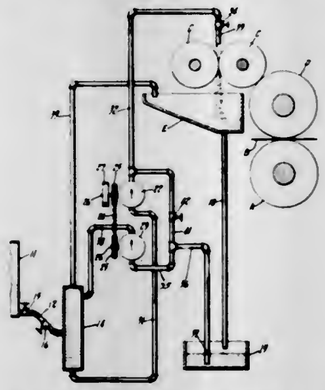
the driving slot in the annular projection on the closure, whereby the cartridge may be detachably held in operating relationship with the casing and the latter serving as a driving means for the feeding mechanism when rotated with respect to the cartridge.

2,545,445

SUPPLY SYSTEM FOR LIQUID SUBSTANCES

Robert T. Chatterton, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 5, 1946, Serial No. 659,964
2 Claims. (Cl. 91—56)



1. A supply system for supplying a liquid for use in a machine, comprising a reservoir containing a liquid, a liquid supply tank having communication with said reservoir with the lowest liquid level of said tank above the lowest liquid level in said reservoir, a supply pipe line including a continuously operating supply pump connecting said reservoir and the machine for continuously pumping said liquid from said reservoir to a point of discharge in the machine, the liquid discharged being in excess of that used in the machine, means for intercepting the discharged excess liquid not used in the machine, a return pipe line including a continuously operating return pump connecting said intercepting means with said reservoir for continuously returning liquid to said reservoir, valve means in said supply pipe line between said supply pump and the machine for controlling the amount of liquid discharged into the machine, said amount being less than the total liquid passed by said supply pump, and a flow-diverting pipe line connecting the outlet of said supply pump with the inlet of said return pump and also having connection with said intercepting means for mixing the liquid pumped by said supply pump in excess of that delivered through said valve means with the liquid in said intercepting means, said supply tank thereupon supplying fresh liquid to said reservoir to replenish that used in the machine.

2,545,446

PHENOLIC MOLDING RESINS

Thomas F. Clark, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Original application January 24, 1947, Serial No. 724,216, now Patent No. 2,520,913, dated September 5, 1950. Divided and this application May 24, 1950, Serial No. 164,023

1 Claim. (Cl. 260—17.2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

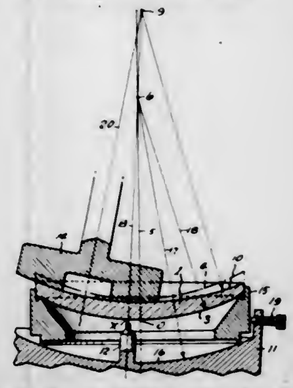
A process comprising heating a cresylic-acid treated saccharification lignin prepared by mixing saccharification lignin and cresylic acid and heating the mixture at approximately 160–190° C., phenol and formaldehyde to yield a molten thermosetting plastic molding material, washing and comminuting the product at pH 7.0–8.0, filtering the washed comminuted resin and mixing it with corncob flour and with hexamethylenetetramine in a catalytic and minor amount, and compounding the mixture by milling and heat.

2,545,447

APPARATUS FOR GRINDING LENSES

George A. Clement, Mount Vernon, N. Y., assignor to General Optical Company, Inc., Mount Vernon, N. Y., a corporation of New York

Application June 27, 1947, Serial No. 757,626
3 Claims. (Cl. 51—131)



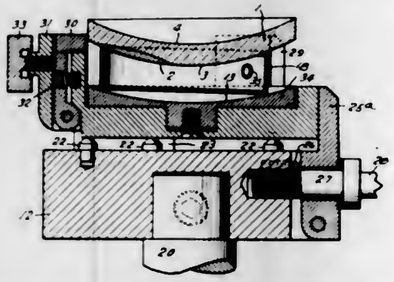
1. A mechanism for generating a surface on the minus side of a meniscus lens blank finished on the plus side, comprising a rotative spindle, a holder mounted upon and rotative with said spindle, a removable chuck secured to the holder and having a concave spherical surface the spherical center of which is disposed on the axis of rotation of the holder, a ring adjustably disposed on said chuck surface, means to secure a lens blank on said ring with the plus side resting on the ring, means to secure the ring in adjusted position, the spherical center of the chuck surface being substantially beyond the supporting edge of the ring, and a rotative annular grinding tool applicable to the minus side of the blank and having its axis of rotation intersecting the axis of rotation of the holder.

2,545,448

APPARATUS FOR GRINDING LENSES

George A. Clement, Mount Vernon, N. Y., assignor to General Optical Company, Inc., Mount Vernon, N. Y., a corporation of New York

Application June 27, 1947, Serial No. 757,627
4 Claims. (Cl. 51—131)



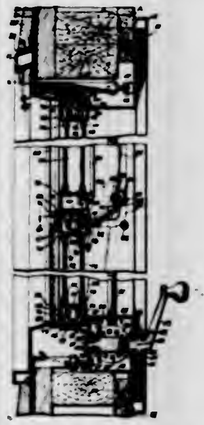
2. A mechanism for generating a surface on the minus side of a meniscus lens blank finished on the plus side, comprising a rotatable holder, a removable chuck secured to the holder and having a concave spherical surface symmetrical with respect to the axis of rotation, a ring loosely disposed on said chuck surface and free for universal movement thereon and adapted to have the finished side of the lens blank rest on it, the spherical center of the chuck surface being disposed on the axis of rotation substantially beyond the supporting edge of the ring, clamping means on the chuck arranged to receive the blank and permit it to assume an angular position relative to the axis of rotation determined by the location of the ring on the chuck surface and to clamp the blank in such position, and a rotative annular grinding tool applicable to the minus side of the blank and having its axis of rotation intersecting the axis of rotation of the holder at the spherical center of the chuck surface.

2,545,449

OPERATING MECHANISM FOR A WINDOW AND CASING ASSEMBLY

Clarke C. Curley, Lorain, Ohio

Application January 22, 1947, Serial No. 723,477
1 Claim. (Cl. 268—122)



In an operating mechanism for a window frame and upper and lower sash assembly of the sliding type wherein the sash are in vertical alinement with each other, the improvement comprising a pair of vertically disposed jack screws mounted at opposite sides of the assembly, a travelling nut on each jack screw, a pivot on the lower sash and a pivot on the jack screw, guide slots in said frame for the pivot on the travelling nut, rollers mounted on the frame adjacent said guide slot for coaction with said pivot a link connected at its opposite ends to said pivots, a gear on the travelling nut on the lower end of each jack screw, a pair of horizontally disposed shafts provided with gears on both ends thereof, gears on one end of said shaft ends engaging the gear on the jack screw and the gears on the other end simultaneously engaging a gear having an operating handle thereon so that when said handle is rotated to cause the actuation of said gears said travelling nuts will be caused to rotate on said jack screws and through the medium of said links will cause the lower sash to move forwardly of the upper sash and be raised into open position and upon lowering of said lower sash said link will cause said lower sash to be moved into alinement with said upper sash into closed position.

2,545,450

RESIN TREATMENT OF WOOL FABRIC

John N. Dalton and William B. Kaupin, Lawrence, Mass., assignors to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts

No Drawing. Application February 18, 1948, Serial No. 9,346
6 Claims. (Cl. 117—103)

1. The method of treating a wool fabric to enhance its dimensional stability under laundering conditions while preserving its properties of flexibility, tensile strength and soft hand and feel substantially equal to those of the untreated fabric, which comprises impregnating the fabric with an aqueous solution of 5% to 10% of the weight of the fabric of resin-forming materials comprising a methylolmelamine and formaldehyde, exposing the wet impregnated fabric to infra-red radiation to heat it substantially uniformly from surface to surface and immediately raise its temperature to 140° F. to 212° F. so that sufficient water is almost instantly driven off to leave about one-third of the original water content, thus converting said resin-forming materials to a viscous condition while said solution is maintained uniformly distributed through the whole thickness of the fabric, whereby said materials are immobilized therein against migration to the surfaces of the fabric, and thereafter polymerizing said resin-forming materials to water-insoluble condition by further heating the fabric to a temperature of 212° F. to 300° F.

2,545,451

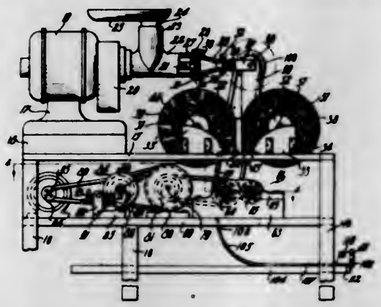
GROUND MEAT PATTY FORMING MACHINE

Frank S. Elsaesser, Cincinnati, Ohio

Application January 2, 1948, Serial No. 254
16 Claims. (Cl. 17—32)

1. In a ground meat patty forming machine the combination of a pair of rolls of paper each roll formed from a continuous strip of paper, means operatively mounting said paper rolls to have their peripheries opposed to one another in spaced relation to form between their said opposed peripheries a mashing or flattening throat into which a quantity of ground meat, sufficient to form a patty, is placed, and means operatively connected with said paper rolls for simultaneously rotating the paper rolls and unwinding the

paper strips to cause the ground meat quantity to move with the paper strips and pass through



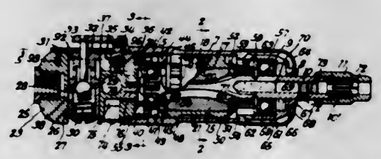
the throat and be mashed or flattened into a patty with a protecting paper strip on each side of the patty.

2,545,452
SEGMENTED ARTICULATED FINGER
Maurice J. Fletcher, Maxwell, Iowa, assignor to the United States of America as represented by the Secretary of War
Application October 1, 1946, Serial No. 700,538
18 Claims. (Cl. 3—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



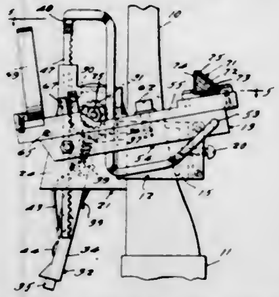
15. An artificial, articulated finger comprising a plurality of closely spaced, interconnected segments pivotally secured together and greater in number and frequency than the number of joints in a natural finger, means on the segments preventing backward buckling and imparting lateral stability between the segments, the said means including intermeshing lugs on the segments and rigid pins passing therethrough hingedly connecting the segments together, whereby the finger is prevented from both rearward and lateral distortion.

2,545,453
ROTARY PNEUMATIC TOOL
Frithiof P. Forss, Rockford, Ill., assignor, by meane assignments, to Skilsaw, Inc., Chicago, Ill., a corporation of Delaware
Application September 22, 1945, Serial No. 618,047
14 Claims. (Cl. 121—34)



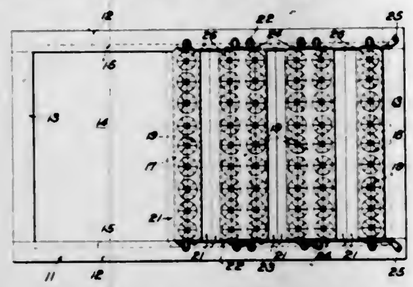
7. In a pneumatic device, a housing having a smooth cylindrical bore provided therein, a pneumatic motor cylinder element of generally cylindrical form fitting closely and adapted to be clamped in any position of rotary adjustment in said bore and having an eccentric cylindrical bore therein, a rotor mounted in said housing in concentric relation thereto and extending through said eccentric bore and having radial guide slots provided therein, and blades slidable in the guide slots and slidable peripherally in said eccentric bore, said cylinder element having recesses provided in the periphery thereof defining air intake and exhaust chambers in circumferentially spaced relation on said cylinder element within said housing, said chambers being defined between annular flanges on the ends of said element that are in close contact peripherally in the bore in said housing, radially inner end closures for said cylindrical element secured on and turning with the rotor, radially outer end closures for said cylinder element, in which the last mentioned end closures have a close running fit, fitting closely in said housing bore and adapted to be clamped in any position of rotary adjustment and having air conducting openings extending therethrough, said cylinder element being further formed peripherally to define on the outer sides of said flanges annular chambers at opposite ends thereof, said flanges having air conducting openings extending therethrough through which one of said annular chambers communicates with the aforesaid peripheral intake chamber and the other with the aforesaid peripheral exhaust chamber, closure means for said housing arranged to clamp the cylinder element between said radially outer end closures in said housing, and means communicating with said annular chambers through the air conducting openings in said radially outer end closures for delivering and exhausting air to drive the rotor.

2,545,454
ARCHER'S SIGHT
Bert E. Fredrickson, Green Bay, Wis.
Application October 31, 1947, Serial No. 783,339
8 Claims. (Cl. 33—46)



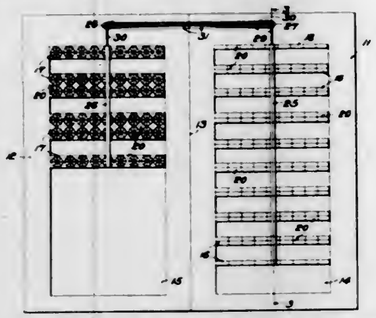
1. A sight for an archer's bow, comprising an elongated base having a front and a rear end, means for attaching said base to said bow transversely thereof, a front sight carried by said front end of said base, reticle means carried by said rear end of said base, said means for attaching said base to said bow including separate horizontally-disposed pivot means mounting said front and rear ends of said base, means for adjusting said base, said last-named means comprising a single adjusting means for adjusting said base vertically and simultaneously tilting said base on said pivot means, said front sight comprising a substantially vertically-disposed partially transparent reflector, and means for reflecting an image of said reticle onto said reflector, a sight-setting indicator carried by said base between said front sight and said reticle, and means operatively coupling said indicator to said adjusting means whereby to actuate said indicator simultaneously with the vertical adjustment of said base.

2,545,455
SALES DEMONSTRATOR FOR ROTATABLE SHELVES
Paul H. Frick, Wynnewood, Pa., assignor to The Frick - Gallagher Manufacturing Company, Wellston, Ohio, a corporation of Ohio
Application March 14, 1950, Serial No. 149,609
5 Claims. (Cl. 35—50)



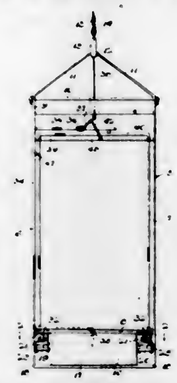
1. A sales demonstrator for rotatable shelves comprising a frame defining a model of a storage area, a plurality of spaced members within the frame area, said members representing rows of rectangular shelving units, means for slidably supporting said members in said area, means for maintaining not less than a fixed spaced relation between some of said members and a flexible connector secured at intervals to said members.

2,545,456
FOLDABLE SALES DEMONSTRATOR FOR ROTATABLE SHELVES
Paul H. Frick, Wynnewood, Pa., assignor to The Frick - Gallagher Manufacturing Company, Wellston, Ohio, a corporation of Ohio
Application March 14, 1950, Serial No. 149,610
5 Claims. (Cl. 35—50)



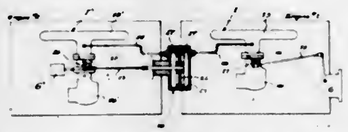
1. A device for demonstrating the relative space requirements of rotary bins and rectangular shelves, comprising, a pair of panels hinged together at one side in the form of a book, the inner faces of said panels having delineated thereon areas of equal size and shape, a group of spaced members in one of said areas representing the space requirements of rectangular shelves of a given capacity, a group of spaced members in another of said areas representing the space requirements of rotary bins of the same given capacity, said members being foldable from an upright position to a flat position against the panels, and means for forcing said members to and holding them in an upright position when said panels are actuated to an open position.

2,545,457
SAFETY ELEVATOR
Robert M. Gammell, Spokane, Wash.
Application November 30, 1949, Serial No. 130,086
5 Claims. (Cl. 187—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In an elevator adapted for operation in an elevator shaft provided with spaced wall beams projecting inwardly of the shaft, an elevator body, a power-driven cable for lifting and lowering the body, a fluid pressure reservoir on the body, a piston unit on the body connected with the reservoir for operation by pressure therefrom, valve means normally precluding such operation, abutment members connected with the piston unit for movement thereby inwardly and outwardly of the body, and valve-actuating means associated with the cable and reservoir for operation upon rupture or slackening of the cable to effect projection of the abutment members outwardly of the elevator body into position for abutting the subjacent wall beams to halt downward movement of the elevator body.

2,545,458
MULTIPLE ENGINE POWER PLANT
Earl Ginn, Detroit, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application January 19, 1946, Serial No. 642,371
2 Claims. (Cl. 123—52)



1. A multiple engine power plant comprising at least a pair of engines operatively connected with the same shaft, a mechanical governor associated with one of said engines to control its speed and load, induction systems associated with each of said engines and comprising an intake manifold, a carburetor, a throttle valve and an actuating arm secured to the valve, said mechanical governor aforesaid connected with the throttle valve of said engine with which it is asso-

ciated, a horizontally movable single-disc, pressure responsive actuator associated with said dual engine power plant, said actuator having connections connecting one side of said valve to the intake manifold vacuum of the mechanically governed engine aforesaid and the other side of said valve to the intake manifold vacuum of said other engine, said other engine provided with a mechanical speed controlling governor adjusted for a higher speed than the governor of said first engine, said pressure responsive actuator being directly connected with the engine throttle valve actuating arm of said last mentioned engine, said pressure responsive actuator comprising a cylinder and piston assembly, the piston sliding axially in said cylinder.

2,545,459

METHOD OF MAKING GLUE FROM WOOD AND A LUMBER PRODUCT

Worth C. Goss, Seattle, Wash., assignor, by mesne assignments, to Edward S. Heller

No Drawing. Application November 30, 1946, Serial No. 713,393
3 Claims. (Cl. 106—163)

1. An article of manufacture comprising a compressed mixture, unified by heat and pressure to form a lumber product; said mixture comprising ligno-cellulosic fibers in predominating amount, and a bonding agent of wet ground brown rotted wood containing from 1% to 5% of acetic acid.

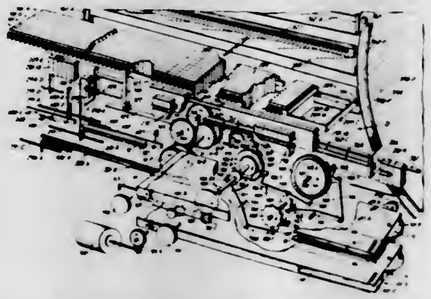
3. The method of making a glue forming material from wood, comprising grinding together a mixture of wood and cellulose consuming fungi, adjusting the pH of the mixture to acid, causing incubation of the fungi by proper conditions of air, moisture, and temperature until the major portion of the cellulose has been consumed, then grinding the residue in water to fluid consistency.

2,545,460

KEY OPERATED ELAPSED TIME AND EARNINGS COMPUTING AND RECORDING MACHINE

Charles B. Hall, Chicago, Ill.

Application June 29, 1948, Serial No. 35,786
35 Claims. (Cl. 346—94)



1. In an elapsed time computer and recorder, means affording a finish time control station into which a supplemental control member, allocated to a particular man and job and bearing physical abutments positionally representing a start time and one or more identifying members, is adapted to be inserted, a printing station having a platen and a plurality of individually settable main printing members each having a series of numerical type faces adapted to be moved in a predetermined direction from normal positions to set positions by the abutments on such a supplemental control member to represent such identifying numbers at a printing line in said printing station, a frame movable past and in a direction opposite to said predetermined direction and transverse of said printing line, means for advancing said frame in said opposite direction from a zero position in step-by-step movements applied to said frame at predetermined small increments of time so that said frame by its position is representative of current time, a plurality of carriers mounted on said frame and respectively allocated to a plurality of different pay rates and supported for shifting movement laterally of said directions from an inoperative position disposed out of the path of said platen into an operative position beneath said platen, adjusting means for said frame for setting any selected one of said carriers in a set position substantially in the plane of said printing line, supplemental printing means on each carrier shiftable from a normal position on such carrier in said predetermined direction when said carrier is in its operative position, said supplemental printing means having a plurality of lines of type characters allocated in succession to said time increments from a zero time through a predetermined number of hours constituting at least a full working day, each of said lines of type including type for printing the time increment to which the line is allocated and for printing the amount represented by such time increment times the pay rate to which the supplemental printing means and its carrier are allocated, a start time control element movable from a normal position in said predetermined direction through a range at least equal to the extent of setting movement of said supplemental printing means, said start time control element being positioned for engagement by the start time abutment of such a supplemental control member as such supplemental control member is inserted into said finish time control station to thereby move said start time control element through a subtracting stroke the extent of which is determined by the setting of said start time abutment, normally disengaged latch means for connecting the supplemental printing means that is in said set position to said start time control element during said subtracting stroke to thereby set the connected supplemental printing means to represent elapsed time, a start time type member movable in said predetermined direction by said start time control element from a normal zero position to a position to print the start time represented by the start time abutment of such a supplemental control member, single cycle drive means for operating said platen, and a control means operable by such a supplemental control member when such supplemental control member has been fully inserted into said finish time control station to initiate a cycle of said drive means.

2,545,461

METHOD OF PREPARING VINYL RESIN SULFURIZED FURFURALDEHYDE REACTION PRODUCTS

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application May 11, 1949, Serial No. 92,747
14 Claims. (Cl. 260—45.5)

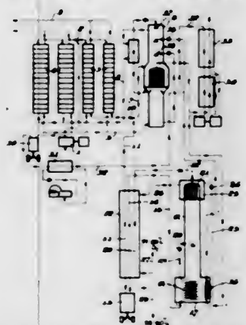
1. A novel composition of matter produced by heating together a normally solid vinyl compound selected from the group consisting of polyvinyl chloride, polyvinyl acetate, polyvinyl formal, polyvinyl butyral, polyvinyl acetal, copolymers of vinyl chloride and vinyl acetate and copolymers of vinyl chloride and vinylidene chloride and a sulphurized organic reaction product, said organic reaction product produced by reacting under alkaline conditions furfuraldehyde and a ketone selected from the group consisting of acetone, mesityl oxide, acetonyl acetone and diacetone alcohol.

2,545,462

SYSTEM FOR SEPARATION OF ARGON FROM AIR

Pierre E. Haynes, Indianapolis, Ind., assignor to Koppers Company, Inc., a corporation of Delaware

Application March 17, 1948, Serial No. 15,417
7 Claims. (Cl. 62—175.5)



1. A process of separating argon from air, which process comprises refrigerating air at elevated pressures in cold accumulators cooled to relatively low temperature, rectifying the refrigerated air into its major constituents including an oxygen fraction containing argon and a nitrogen fraction, separately withdrawing said fractions and cooling said accumulators therewith while diverting a portion of said oxygen fraction passing to said accumulators, liquefying said diverted portion of said oxygen fraction and rectifying said liquefied portion to a liquid oxygen residue and an overhead fraction containing argon while subjecting the separated argon in a rectifying zone to the reflux produced by continuous indirect heat exchange between the said separated argon and said liquid oxygen residue and while correcting for imbalance in the accumulators by steps comprising the following: compressing an amount of air equivalent to the amount of the said diverted portion of said oxygen fraction, cooling the said latter air in heat exchange relationship with cold separated nitrogen in the first-mentioned rectifying step, passing said latter cooled air into heat exchange relationship with the said liquid oxygen residue obtained in the second-mentioned rectifying step and supplying the so treated latter air to the first-mentioned rectifying step for fractionation with the first-mentioned air.

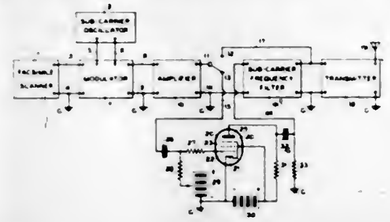
2,545,463

BLACK AND WHITE LIMITER

Frank A. Hester, New York, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application January 2, 1948, Serial No. 333
2 Claims. (Cl. 178—5)

1. In a facsimile transmitter, the combination of a source of a subcarrier-frequency wave amplitude modulated according to graphic density of copy scanned, a thermionic vacuum tube having at least a cathode, a control grid, a screen grid and a plate, means for positively biasing the control grid, a source of positive voltage connected to the screen grid, a load impedance connected between the plate and the source of positive voltage, whereby either saturation current or no current flows through the tube depending on whether a voltage applied to the control grid is above or below a predetermined narrow range of



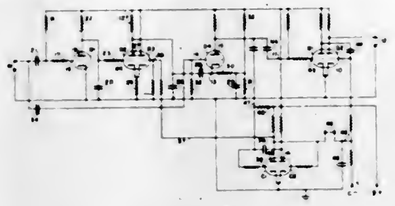
values, means for applying the amplitude-modulated subcarrier-frequency wave to the control grid of the tube, whereby only waves having more than a predetermined amplitude change the tube current from saturation to no current during those portions of negative cycles which are more negative than said predetermined narrow range of values and means connected to the plate of the tube for translating the subcarrier-frequency voltage fluctuations which appear on the plate into a substantially sine wave alternating-current signal at subcarrier frequency.

2,545,464

PULSE GROUP DISCRIMINATOR

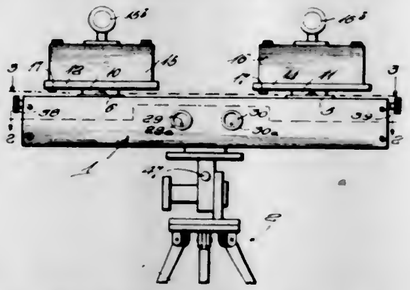
Conrad H. Hoeppner, Washington, D. C., and Carl Harrison Smith, Jr., Arlington, Va.

Application October 9, 1945, Serial No. 621,400
8 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



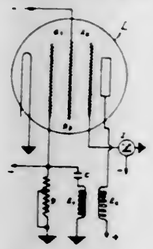
1. A pulse group discriminator comprising, pulse width discriminator means comprising vacuum tube means generating in response to incoming pulses, pulses which are predeterminedly time related to said incoming pulses, means generating pulses from the trailing edges of said incoming pulses, means combining only those of said first generated pulses and said trailing edge pulses which are synchronous, vacuum tube amplifier means responsive to said synchronously combined pulses so as to produce output pulses in response thereto, and multivibrator means connected to said first named vacuum tube means and responsive to said synchronously combined pulses for altering said time relation between first said generated pulses and said incoming pulses.

2,545,465
STEREOSCOPIC APPARATUS
Clinton W. Hough, Pasadena, Calif.
Application December 18, 1946, Serial No. 716,899
7 Claims. (Cl. 95—18)



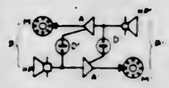
1. A stereoscopic photographing apparatus comprising an elongated centrally partitioned housing, mirrors located approximately 45° to the center of the partitioned housing, eye-pieces carried by one side of said housing and aligned with said mirrors, a pair of camera supports pivotally and slidably adjustable on said housing and each operatively connected with a mirror extending into said housing and optically aligned with the aforesaid mirrors, viewing apparatus in the opposite side of said housing aligned with said last mentioned mirrors and means for adjusting the spacial distance between said camera supports and the angular position thereof while optically observing an objective through said eye-pieces.

2,545,466
LOUD-SPEAKER TELEPHONE INSTALLATION
Pierre Jeanlin, Paris, France, assignor to Societe Le Teleampliphone, Paris, France
Application July 10, 1948, Serial No. 38,057
6 Claims. (Cl. 179—1)



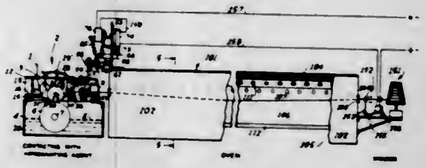
1. A loudspeaker telephone installation operating by blocking and over amplification, comprising in combination two separate transmission lines each comprising a microphone and a loudspeaker with a connecting circuit therebetween including two principal amplifier valves, an auxiliary amplifier valve in shunt between the microphone and the first principal amplifier in each line, an oscillator in each line connected, on the one hand, to the first principal amplifier and, on the other hand, by way of a rectifier to the auxiliary amplifier of the same line, and a double shunt between the rectifier and the oscillator of one line connecting on the one hand with the first principal amplifier and on the other hand by way of a rectifier with the auxiliary amplifier of the same line, and a double shunt between the rectifier and the oscillator of a line connecting on the one hand with the auxiliary amplifier of the second line and on the other hand with the first principal amplifier of the second line.

2,545,467
TWO-WAY LOUD-SPEAKER TELEPHONE INSTALLATION
Pierre Jeanlin, Paris, France, assignor to Societe Le Teleampliphone, Paris, France
Application April 13, 1949, Serial No. 87,145
In France August 12, 1948
5 Claims. (Cl. 179—1)



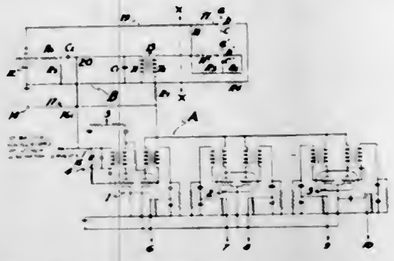
1. A two-way loud speaker installation comprising a pair of transmission lines respectively including a loud speaker, a microphone, and a circuit connecting said microphone to said loud-speaker, said circuit having an amplifying means therein comprising a first grid including means coupled to said microphone for modulating the output of said amplifying means, means including a second grid operable upon energization thereof for increasing the gain of said amplifying means, and means including a third grid operable upon energization thereof for biasing said amplifying means to cut-off, and a control means including a rectifier for generating a biasing control voltage in response to modulation of said amplifying means by said first grid, and circuits interconnecting each of said lines with the other including means for applying the control voltage generated by the control means in either of said lines to the first grid in such line and to the third grid in the other of said lines.

2,545,468
APPARATUS FOR IMPREGNATING YARNS
Webster Jones, deceased, late of New York, N. Y., by Mildred Andrews Jones, administratrix, New York, N. Y., and John J. Heslin, Waltham, Mass., assignors to Chemo-Textiles, Inc., a corporation of Rhode Island
Application June 30, 1948, Serial No. 36,017
7 Claims. (Cl. 91—51)



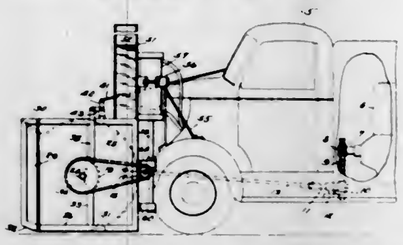
1. In apparatus of the tank type for simultaneously contacting a number of yarns with impregnating liquid, the improvement in combination with the tank of such apparatus of a roof covering said tank, said roof being composed of a number of sections in parallel, each section being formed with a horizontally disposed top portion, each section carrying means for guiding individual yarn into contact with said liquid and each section being pivotally mounted to render accessible the guiding means carried thereby, and means cooperatively associated with each said sections for selectively pivoting any section affected by breakage of yarn delivered by such section.

2,545,469
VIBRATO SYSTEM
John F. Jordan, Terrace Park, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application October 29, 1947, Serial No. 782,897
12 Claims. (Cl. 84—1.25)



1. In an electrical musical instrument, the combination of a plurality of generators of electric oscillations corresponding to the notes of a musical scale, a sub-audio frequency source in connection with said generators operative to modulate the frequency of said electric oscillations at a sub-audio rate, and control means associated with said sub-audio source whereby the rate and the magnitude of the frequency modulation can be varied commensurately.

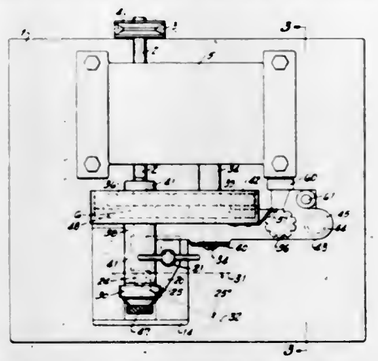
2,545,470
ROTARY SNOWPLOW
Allen T. Kear, Goodland, Kans.
Application April 21, 1949, Serial No. 88,701
2 Claims. (Cl. 37—43)



1. In snow removal apparatus a drum housing, a drum rotatably mounted therein, means for rotating the drum, blades disposed circumferentially of the drum and mounted for oscillation upon the periphery of the drum, stationary eccentrics mounted at the ends of the drum housing, rings rotatable upon the eccentrics, and links extending between the rings and blades, whereby drum rotation will cause the blades, during a single rotation of the drum, to be moved through a single adjustment cycle on which they will be respectively disposed outwardly for cutting snow, and in retracted position for disposing of said snow.

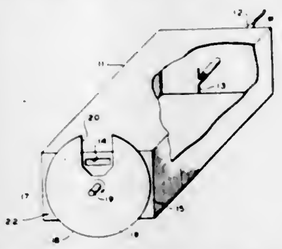
2,545,471
SHOE SOLE CONDITIONING MACHINE
John H. Kelly and Harry H. Teal, Pittsburgh, Pa.; said Teal assignor to said Kelly
Application July 20, 1948, Serial No. 39,654
12 Claims. (Cl. 69—1)

1. In a shoe sole conditioning machine, the combination of a table surface having an opening, a rotary cutter member capable of producing a lateral thrust in the direction of its rotation and mounted to have a portion of its cutting surface extending through said opening above the surface of said table, a rotary resilient pressure roll member mounted above said table with its axis parallel to the axis of the rotary cutter member and forming a gap therewith for receiving and discharging a shoe sole, means to maintain proportionate speed ratios of said members relative to each other and to maintain the rotation of said members in opposite directions to move the sole through said gap, shoe sole resistant guide means mounted on the table surface and having an outer



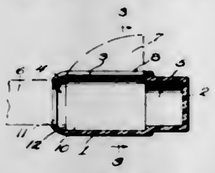
arcuate sole edge engaging surface, an intermediate point on said sole edge engaging surfaces being disposed in the plane passing through the axis of said members and adjacent said gap, second shoe sole resistant guide means mounted on said table surface and having an outer arcuate sole engaging surface in the same horizontal plane as the first sole edge engaging surface and spaced from the discharge side of said gap, the plane tangent to the sole edge engaging arcuate surfaces of both of said guide means being disposed at an angle less than ninety degrees to the plane passing through the axes of said members.

2,545,472
RADIO SYSTEM
Morris Kline, Little Silver, N. J.
Application July 31, 1944, Serial No. 547,471
6 Claims. (Cl. 250—33.65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



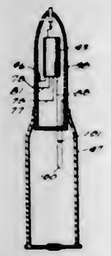
1. A directional antenna system comprising a paraboloidal reflector, a rectangular resonant cavity having a wave transducer coupled thereto, one side of said cavity facing said reflector, and being situated in the focal plane thereof, said side having four slots symmetrically displaced from the focal axis of said reflector, and a rotating shutter for closing all but one of said slots.

2,545,473
MUZZLE COVER
George A. Kremkau, United States Army, Silver Spring, Md.
Application April 30, 1945, Serial No. 591,043
2 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



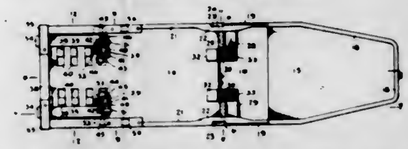
1. A muzzle cover for firearm, said firearm having a barrel and a front sight structure, said front sight structure comprising a ferrule on said barrel and spaced from the muzzle end of said barrel, and having a sight blade supported by said ferrule, said muzzle cover comprising: an elongated cylindrical body of flexible, resilient and shape-sustaining material and having a cylindrical closed end portion, an adjacent cylindrical portion of larger diameter than said end portion, and an inturned circular flange at the open end of said last-named cylindrical portion, said flange and said cylindrical portion being provided with an open slot; said muzzle cover fitting over the muzzle end portion of said barrel and over said ferrule and exposing said sight blade, when said muzzle cover is in place on said firearm, and the open end of said muzzle cover being distensible in a direction perpendicular to the longitudinal axis of said slot to facilitate manual placement of said muzzle cover on said firearm and removal of said muzzle cover from said firearm.

2,545,474
DELAYED DETONATING MEANS FOR PROJECTILES
Jerome J. Kurland and Joseph J. Kurland, Chicago, Ill.
Application August 12, 1943, Serial No. 498,338
3 Claims. (Cl. 102—70.2)



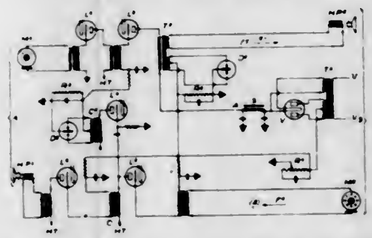
3. In an electric ignition device for delayed detonation of an explosive projectile after the projectile is released from a holding means, the combination of: condenser means in the projectile to hold an electric charge, an igniter in the projectile; charging means for electrical communication with said condenser means while said projectile remains on said holding means; means to apply the charge of the condenser means to said igniter with time delay after the projectile is released from said holding means; a normally closed safety shunt across said igniter to prevent flow of electric current therethrough; an electric conductor included in said shunt, said conductor being attached to said projectile and extending into the holdling means; and means associated with the holding means and including an explosive charge in the holding means for severing said conductor whenever the projectile is fired from the holding means by exploding said explosive charge.

2,545,475
PORTABLE COLLAPSIBLE IRONING BOARD
Alpha Perry Lantz, Washington, D. C.
Application January 15, 1947, Serial No. 722,262
4 Claims. (Cl. 38—104)



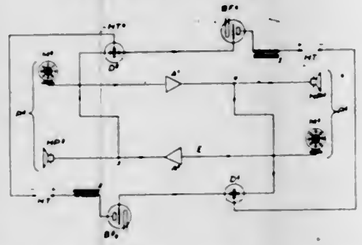
1. A portable ironing board formed from sheet metal and means for temporarily attaching the board to an article of furniture, said board comprising a body portion, a reinforcing flange at the end of the body portion having spaced openings therein, and guides formed as a part of the board, each guide including a reinforcing flange along one side edge of the body portion and a guide part punched from the body portion, said attaching means comprising hooks having shanks passing through the openings of the end reinforcing flange, each shank having lateral extensions to form a head and a return bend to position the head parallel with the shank and within a guide, and latch means associated with the shanks and the guides to hold the hooks in adjusted position.

2,545,476
LOUD-SPEAKER TELEPHONE INTERCOMMUNICATION SYSTEM
Jacques Lévy, Paris, France, now by change of name, Jacques Lory
Application May 21, 1948, Serial No. 28,445
In France May 27, 1947
12 Claims. (Cl. 179—1)



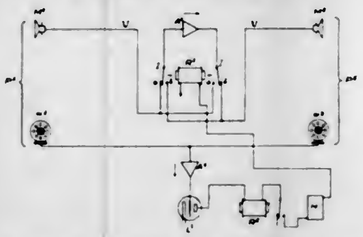
1. In a two-way communication system, the combination comprising a pair of signal transmission lines respectively having input and output amplifying valves therein, means responsive to the output valve in one of said lines when it is not transmitting a signal for rendering the output valve in the other of aid lines inoperative, means responsive to an increased output of the output valve in said one line upon the transmission of a signal over said one line for rendering the input valve of the other of said lines inoperative, and means responsive to operation of the input valve in said other line in response to the transmission of a signal over said other line for rendering the output valve of said one line inoperative whereby said first-named means is rendered ineffective.

2,545,477
TWO-WAY LOUD-SPEAKER INTERCOMMUNICATION SYSTEM
Jacques Levy, Paris, France, now by change of name, Jacques Lory
Application May 21, 1948, Serial No. 28,446
In France May 29, 1947
8 Claims. (Cl. 179—1)



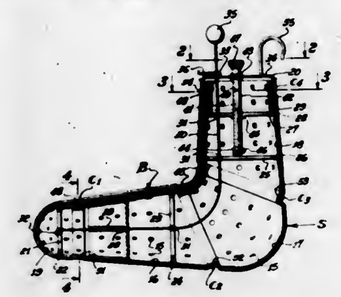
1. In a transmission system, a pair of transmission units respectively having a microphone and a loud speaker by which sound may be transmitted between a pair of stations, there being a loud speaker and a microphone at each of said stations, a pair of control devices, means whereby said control devices are respectively operable for controlling the transmission of sound by each of said units, each of said devices having an energizing circuit including means whereby it is normally operable to maintain its energization at a value insufficient to effect an acoustic coupling between said units, and means responsive to the transmission of sound over one of said units for actuating said control devices to inversely vary the operation of said energizing circuits whereby the energization of the control device in the unit transmitting is increased and the energization of the control device in the other unit is decreased.

2,545,478
TELEPHONE INSTALLATION USING A SINGLE LINE
Jacques Levy, Paris, France, now by change of name, Jacques Lory
Application May 21, 1948, Serial No. 28,447
In France May 29, 1947
8 Claims. (Cl. 179—1)



1. A loud speaker telephone installation comprising in combination two stations each including an apparatus functioning alternatively as a transmitter and as a receiver, a single line connecting the apparatuses of the two stations, a principal amplifier having terminals for connection in said line, a control relay for reversing the connections of said terminals in said line, and means for operating the relay in response to the emission, in the neighbourhood of either of the stations, of a sound having a predetermined frequency.

2,545,479
SOCK DRYING FORM
Albert L. Loutz, Los Angeles, Calif.
Application December 7, 1948, Serial No. 63,989
15 Claims. (Cl. 223—77)



7. A sock drying form, including: a hollow body having a main foot section, a toe section telescoped on the main foot section, a heel section integral with the main foot section, a main leg section integral with the heel section, and a supplemental leg section telescoped on the main leg section; means for moving and holding the toe section in axial positions of adjustment on the main foot section; means for moving and holding the supplemental section in axial positions of adjustment on the main leg sections; sock gripping means on the toe section; a second sock gripping means at the junction of the main foot section and the heel section; a third sock gripping means at the junction of the heel section and the main leg section; and a fourth sock gripping means on the supplemental section.

2,545,480
PRODUCTION OF MELAMINE FROM LIME NITROGEN
Johnstone S. Mackay, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 4, 1948, Serial No. 25,070
4 Claims. (Cl. 260—249.7)

1. The method of making melamine which comprises reacting calcium cyanamide, ammonia, carbon dioxide and water in a closed reaction zone at a temperature within the range of 200–400° C. and at a pressure of at least 500 p. s. i., the weight ratio of calcium cyanamide to ammonium bicarbonate stoichiometrically equivalent to said ammonia, carbon dioxide and water being in excess of 50:90, and recovering the thus-formed melamine.

2,545,481
NESTABLE FUEL TANK
Carl H. Maier, Brighton, N. Y.
Application July 24, 1946, Serial No. 685,883
5 Claims. (Cl. 220—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuel tank, a plurality of nestable shells of streamlined shape, a strip clip strongly attached to each of said shells adjacent the internal edge thereof, said clips being combinable to form

a triangular channel and their inner edges combinable to form a tube-like channel within the triangular channel, a tubular soft gasket within the channel formed by the inner edges, fastening means holding said clip strips together in the region of said channel, said clip strip assembly



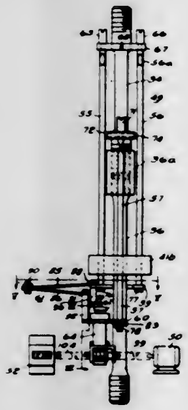
being located entirely within the edges of said shells, and a fairing strip disposed longitudinally of the shells in a position to seal a slot that would otherwise be present between the shells, said fairing strip being substantially at the position of the material forming the skin of the shells.

2,545,482

TESTING MACHINE FOR DETERMINING THE MECHANICAL BEHAVIOR OF METALS UNDER TEST

Michael J. Manjoine, Pittsburgh, and Evan A. Davis, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 27, 1944, Serial No. 537,721
6 Claims. (Cl. 33—147)



1. In an extensometer for indicating the change in dimension of a specimen subject to a load, the combination of, a specimen loading rod means connected to one end of said specimen and lying substantially coaxially of said specimen, a first plate having a notch therein, a second plate having a notch therein, means connecting said first and second plates, respectively, at spaced points on said specimen and supporting said plates in axially spaced relation along said rod means and at right angles thereto with the notch in each plate engaging said rod means, means connected with one of said plates and slidably engaging said rod means on the side thereof opposite said notch for preventing movement of said one plate in a direction to disengage the notch in said one plate from said rod means, and means responsive to relative movement of said plates axially of said rod means.

2,545,483

TIRE BEAD AND RETAINING RING TOOL

Claude W. Martin, Gold Hill, Oreg.

Application June 10, 1947, Serial No. 753,625
4 Claims. (Cl. 157—1.3)



1. In a tire changing tool of the character described, a bar, an edge of the bar having spaced engagement notches thereon, a prying member pivoted on the bar so as to be swingable at the edge opposite from said notched edge, said prying member including a yoke pivoted on the bar, a curved shoe extended from said yoke toward said bar, and a stop on said yoke to limit the swinging of the shoe away from said opposite edge of said bar.

2,545,484

ABRASIVE SHEETS AND BELTS

William J. McNamara and Joseph H. Kugler, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Substituted for abandoned application Serial No. 480,520, March 25, 1943. This application July 19, 1948, Serial No. 39,587
5 Claims. (Cl. 51—298)

1. A flexible abrasive article of the coated abrasive type comprising a strong woven fibrous material; an impregnating or presizing coat for said fibrous material which consists of a film-forming elastic waterproof material comprising the polymerization product of a vinyl monomer reacted in the presence of a non-conjugate divinyl monomer as a chemical cross-linking agent; and a waterproof grit-bonding coat, and a layer of abrasive grits embedded in the latter.

2,545,485

SEAL AND WATER INLET FOR CHARGING AND DISCHARGING CHUTES OF TRUCK MIXERS

Karl Meisenburg, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application April 22, 1947, Serial No. 742,992
2 Claims. (Cl. 259—161)



1. In an inclined rotary mixing drum or the like having an open upper end and a relatively rotatable discharge chute mounted thereon, in

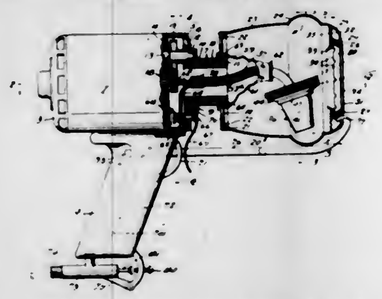
combination, a rubber-like sealing ring positioned between said drum and said chute and surrounding said open end, said sealing ring having radially spaced flexible concentric lips extending toward said drum and deflected inwardly toward said open end, helical flights within said drum, said helical flights having duct-like passages therealong extending to the perimeter of said open end, said duct-like passages opening into the annular space between said concentric lips, whereby mixing and washout water may be supplied to said drum through the open end thereof cleaning the inner portion of said sealing ring and sealing the outer portion thereof.

2,545,486

SPRAYING DEVICE

Edward O. Norris, Westport, Conn.

Application January 18, 1946, Serial No. 641,929
14 Claims. (Cl. 299—63)



2. A spraying device comprising a rotary case having an axial spray opening and a concave peripheral wall forming an annular channel to retain a spray forming material, driving means for rotating said case to form a peripheral film of said material in said channel, a rotary distributor mounted within said case having an annular spray discharge portion and having means to feed the material from said channel to said discharge portion, said means including a rotating part of said distributor having a surface projecting into the material in said channel and facing the advancing material in said channel to scoop up a supply of said material therefrom, said annular spray discharge portion lying in a plane intersecting said opening whereby a portion of the spray from said distributor passes through said opening and the remainder thereof is intercepted by said case and returned to said channel.

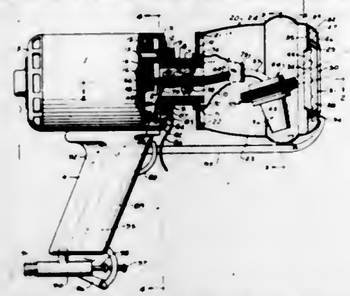
2,545,487

SPRAYING DEVICE

Edward O. Norris, Westport, Conn.

Application January 24, 1946, Serial No. 643,068
9 Claims. (Cl. 299—63)

7. A spraying device comprising a rotary case having an axial spray opening and a peripheral wall having an annular channel to retain spray-forming material, driving means for rotating said case to form an annular film of said material in said channel, a rotary distributor disposed within said case comprising a fixed tubular support, a frusto-conical feed sleeve journalled on said support, said sleeve having an open small end positioned to project into said film of material in said channel and facing toward the peripherally advancing material to scoop up a supply of said material from said film, a drive shaft connected to rotate said sleeve to feed the scooped up material centrifugally along its flaring inner surface and to discharge the same centrifugally from a discharge portion at its large end, means controlling the feed of material along said sleeve, a distributor ring mounted to rotate on said fixed support in said rotary case and constrained against axial movement, said ring extending around said sleeve at said discharge portion to receive the material therefrom, and means connecting said drive shaft to rotate said ring to discharge the material therefrom centrifugally in a band of spray, said ring lying in a plane intersecting said opening whereby a segment of said spray band passes through said opening and the remainder thereof is intercepted by said case and returned to said channel.

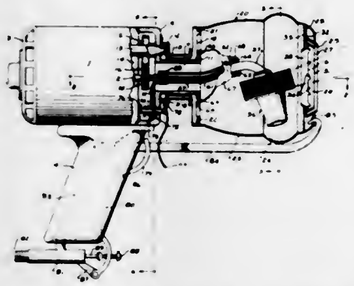


2,545,488

SPRAYING DEVICE

Edward O. Norris, Westport, Conn.

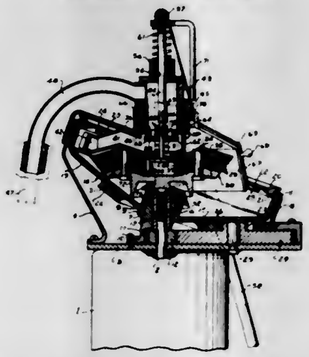
Application January 30, 1946, Serial No. 644,352
9 Claims. (Cl. 299—63)



1. In a spraying apparatus the combination of a rotary case adapted to maintain a film of spray-forming material about the inner peripheral wall thereof, an axially disposed opening in one end of said case, means for supplying said material to said case, a distributor operative to receive said material from said case and spray a band of said material out through said opening, said distributor comprising a tube pivotally mounted adjacent one end thereof exteriorly of said casing and projecting into said casing, a supporting member secured to the end of said tube within said casing, a hub rotatably mounted upon said supporting member, a shaft rotatably mounted within said supporting member, means for driving said shaft, a driving connection between said hub and said shaft, a frusto-conical feed sleeve having intake and discharge ends rigidly secured to said hub, spraying means encircling the discharge end of said sleeve rotatably mounted on said supporting member with the axis thereof at an angle to the axis of said hub and said feed sleeve, a driving connection between said hub

and said spraying means, and means for controlling the admission of said material to said feed sleeve.

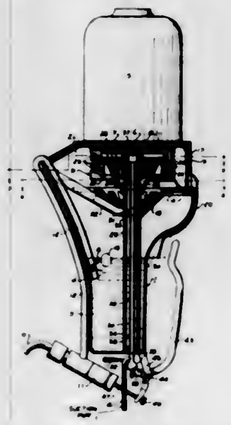
2,545,489
SPRAYING DEVICE
Edward O. Norris, Westport, Conn.
Application March 29, 1946, Serial No. 658,249
7 Claims. (Cl. 299—63)



1. In a portable spraying device, the combination of a centrifugal atomizing distributor having means to receive and atomize liquid and spray a ring of atomized liquid outwardly from the periphery thereof, a rotary collecting case having an axis disposed at an angle to the axis of said distributor, said collecting case having an axially disposed opening and being so positioned with respect to said distributor that a portion of said ring of spray will be projected out through said opening and the balance of said ring of spray will be intercepted and collected by said case, and means for controlling the supply of liquid to said distributor, said last mentioned means comprising a valve body operatively associated with said distributor in axial alignment therewith, said valve body having a chamber therein and having, a port through which liquid flows from a source of supply into said chamber, a valve operable to control the flow of liquid through said port, means through which the liquid collected in said case is returned to said chamber where it mixes with the liquid flowing into said chamber from the source of supply, said valve body having a second port communicating between said chamber and said distributor, a second valve arranged to control the flow of liquid through said second port, and valve operating means connected to open and close said valves, said valve operating means being operable to open said second valve in advance of the opening of said first mentioned valve.

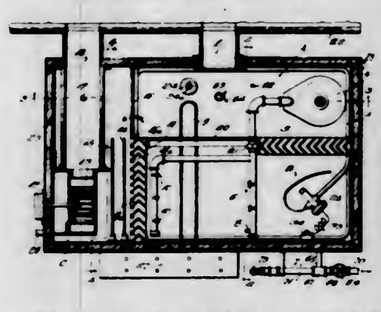
2,545,490
SPRAYING DEVICE
Edward O. Norris, Westport, Conn.
Application March 29, 1946, Serial No. 658,250
4 Claims. (Cl. 299—63)

1. In a spraying apparatus, the combination of a casing having a spray opening therein, a centrifugal distributor positioned to project a band of atomized liquid out through said spray opening, a liquid reservoir in said casing below said distributor, a tube extending upwardly from said reservoir to said distributor, a suction pipe communicating with the top of said tube to create a vacuum in said tube and having a port normally venting said tube to the atmosphere, a valve to close said port, a conduit through which liquid is supplied to said reservoir, a supply valve in said conduit for controlling the flow of liquid through said conduit, and a control lever mounted on said casing having linkages connected to first



close said port valve to create a suction in said tube and then to open said supply valve to allow liquid to flow through said conduit into said reservoir in response to progressive positions of said lever.

2,545,491
APPARATUS FOR PRECISION CONTROL OF CLIMATIC CONDITIONS
Carlton E. Ohlheiser, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc., a corporation of Maryland
Application October 25, 1945, Serial No. 624,509
6 Claims. (Cl. 257—3)

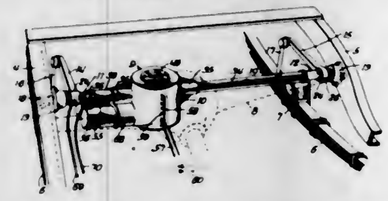


1. A source of conditioned air comprising a cabinet structure, a refrigeration unit carried thereby, a tank structure, louvred partition members extending substantially normal to each other and dividing said tank structure into an air intake section, an air humidifying section, and an air discharge section, means in said air discharge section for establishing a pressure head for drawing air to be conditioned through said air intake section, said humidifying section and through said air discharge section, a water spray system in said humidifying section, a reservoir in the base of said air intake section for receiving the water discharged by said water spray system, an air heater in said air discharge section, a thermoregulator in said air intake section and a dry bulb thermoregulator in said air discharge section, and means operated by said thermoregulators according to temperature and/or humidity conditions for controlling the operation of said water spray system and said air heater.

2,545,492
FABRICS OF A LONG CHAIN AMINO-ETHOXY CELLULOSE AND THE METHOD OF MAKING THE SAME
John David Reid and George C. Daul, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 23, 1948, Serial No. 4,058
11 Claims. (Cl. 8—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of making water-repellent textile fiber comprising heating together primary amino-ethoxy cellulosic fiber material, having from about 0.35 to 1.00% nitrogen, with an alkyl halide having no less than 10 carbon atoms, and an organic solvent for the halide, at about 75° C. to 150° C., and removing the formed hydrogen halide from the fiber; the primary amino-ethoxy cellulosic fiber material having substantially no other substituents on the cellulosic —OH groups.

2,545,493
HYDRAULIC LEVELING APPARATUS FOR MOTOR VEHICLES
Edward Richter, Freeport, Ill.
Application March 1, 1946, Serial No. 651,363
30 Claims. (Cl. 280—6)



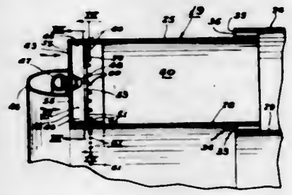
5. In a vehicle, the combination of a wheeled structure, a frame, yieldable suspension means supporting said frame on said wheeled structure, shafts supported on opposite sides of said frame for rotation, one of which shafts is connected by an arm with the wheel structure on one side of the frame and the other of which shafts is correspondingly connected by an arm on the other side of the frame to elevate one side while depressing the opposite side of the frame when the shafts are turned in opposite directions, said shafts being in coaxial relation, a housing into which said shafts extend for power operation, said housing being free to oscillate relative to said shafts, crossheads fixed on the inner ends of said shafts and disposed in coaxially spaced relation on opposite sides of said housing, a cam shaped crosshead member disposed between the aforesaid crossheads and arranged to turn in said housing on an axis in transverse relation to said shafts, said cam crosshead being movable from a neutral position in which it is in disengaged relation to the shaft crossheads to engaged relation to turn said shafts in opposite directions to elevate one side of said frame and depress the other side relative to the wheeled structure, and power operable means for turning said cam crosshead comprising a cylinder in fixed relation to and movable with said housing, and a piston working in said cylinder under fluid pressure and operatively connected with said cam crosshead.

2,545,494
HYDRAULIC LEVELING APPARATUS FOR MOTOR VEHICLES
Edward Richter, Freeport, Ill.
Application May 13, 1948, Serial No. 26,756
34 Claims. (Cl. 280—6)



9. In a vehicle, the combination of a wheeled structure, a frame, yieldable suspension means supporting said frame on said wheeled structure, shafts supported on opposite sides of said frame for rotation, one of which shafts is connected by an arm with the wheeled structure on one side of the frame and the other of which shafts is correspondingly connected by an arm on the other side of the frame to elevate one side while depressing the opposite side of the frame, a housing into which said shafts extend, a pair of power operable pistons in said housing associated with each of said shafts, either of which is movable upwardly from a retracted position relative to the associated shaft to operative position to turn the shaft, and means interconnecting for simultaneous operation one piston of each pair, whereby to turn said shafts in opposite directions to elevate either side of said frame and depress the other side relative to the wheeled structure, said pistons being free to gravitate downwardly to their retracted positions.

2,545,495
ANNULAR COMBUSTION CHAMBER AIR FLOW ARRANGEMENT ABOUT THE FUEL NOZZLE END
Robert A. Sforzini, Toledo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1947, Serial No. 766,715
6 Claims. (Cl. 60—44)



1. Combustion apparatus for a gas turbine engine having inner and outer casing sections defining an annular inlet passage for fluid under pressure flowing at high velocity, an annular combustor structure supported therein comprising telescoped inner and outer walls graduated inwardly at the upstream end joined by an annular flat end section to provide an annular combustion chamber, said end section being disposed normal to the path of fluid flowing through said passage, a plurality of circumferentially spaced fuel atomizing nozzles mounted in said end section for injecting fuel into the upstream end of said combustion chamber, radially spaced annular baffles mounted on said inner and outer walls adjacent and parallel to said end section, and a plurality of apertures formed in said end section for directing streams of fluid under pres-

sure from said inlet flow passage against said baffles and said nozzles for minimizing accumulation thereon of fuel deposits.

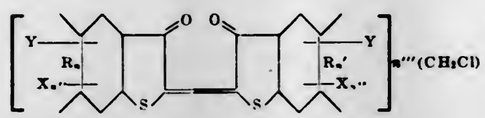
2,545,496
ROCKET PROJECTILE
Frank Short, Canton Center, Conn.
Application November 13, 1946, Serial No. 709,633
5 Claims. (Cl. 102—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



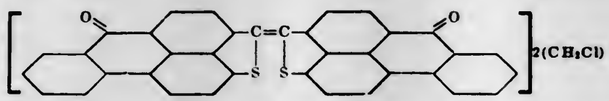
5. A propulsion unit for a rocket projectile or the like comprising, a central Venturi nozzle having an apertured flange secured thereto, an intermediate throat member surrounding said nozzle having a plurality of grooves formed along its outer periphery the forward open ends of which are in substantial registry with the apertures in said flange, and a fin member surrounding said nozzle and said throat member having a plurality of hollow vanes thereon the axes of which are inclined relative to the longitudinal axis of said unit and the inner, open sides of which are in substantial registry with said grooves, said unit being constructed and arranged whereby said nozzle is adapted to transmit a portion of the propulsion gases fed thereto and said vanes are adapted to transmit a portion of such gases to produce a reactive, rotational moment on said unit.

2,545,497
HALOMETHYL DERIVATIVES OF DYES OF THE THIOINDIGO SERIES AND PROCESS OF OBTAINING THEM
Carl M. Smith and David I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 28, 1949, Serial No. 135,518
6 Claims. (Cl. 260—332)

1. The halomethyl thioindigo compounds of the class consisting of those having the formulae:



and

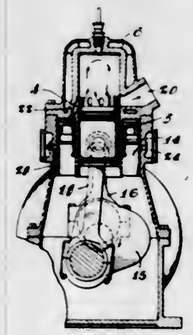


wherein R represents a fused six-membered hydrocarbon ring; n and n' are the same or different integers from 0 to 2; n'' and n''' are integers from 1 to 2; X and Y are members of the group consisting of hydrogen, and halogen atoms and alkyl radicals.

2,545,498
2-[N-(b-DIMETHYLAMINOMETHYL) - N - (4-METHOXYBENZYL) - AMINO] - THIAZOLE AND PROCESS FOR MAKING SAME
Clarence W. Sondern, Mendham, and Philip J. Breivogel, Glen Ridge, N. J., assignors to White Laboratories, Incorporated, Newark, N. J., a corporation of New Jersey
No Drawing. Application May 19, 1947, Serial No. 749,080
2 Claims. (Cl. 260—302)

1. 2-(N-(b-dimethylaminoethyl)-N-(4-methoxybenzyl)-amino)-thiazole.

2,545,499
TWO-CYCLE ENGINE HAVING COAXIAL COMPRESSOR AND POWER PISTONS
Hans G. Spier, Hamilton, Ohio
Application October 18, 1946, Serial No. 703,947
4 Claims. (Cl. 123—71)



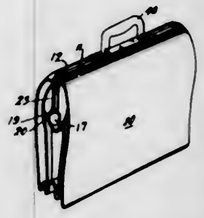
4. In a two cycle internal combustion engine, a power cylinder, a piston operating in said cylinder, an annular compressor cylinder surrounding said power cylinder, a compressor piston operating in said compressor cylinder, said compressor piston having a larger displacement than said power piston, a closed crank space underlying both of said pistons, ports controlled by said compressor piston to admit air to said crank space when said compressor piston nears one end of its stroke and to said compressor cylinder when said compressor piston nears the opposite end of its stroke, the air in said crank space being compressed as said compressor piston moves to diminish the crank space volume, openings in said compressor cylinder walls controlled by said compressor piston to admit air from said crank space to said compressor cylinder, and piston controlled ports in said power cylinder to admit air from said compressor cylinder, and to exhaust burned gases therefrom.

2,545,500
DISPENSER
Alexander J. Stanley, North Brunswick Township, Middlesex County, and James Shane Nicholls, Jr., Kingston, N. J., assignors to Industrial Tape Corporation, a corporation of New Jersey
Application August 4, 1948, Serial No. 42,446
4 Claims. (Cl. 242—55.5)



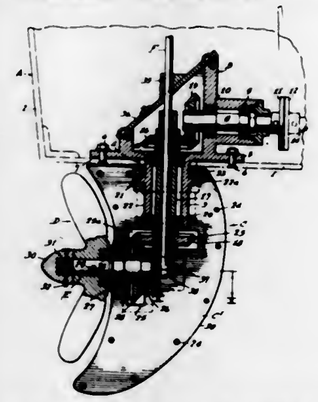
3. A device for dispensing adhesive tape from the roll, comprising a body portion comprising inherently spreadable side walls including cutout means for a finger space, a bridge portion spacing said side walls, lateral slide means based on a tongue and groove portion located on said side walls away from said bridge portion spaced from the center of said roll supporting means by a distance substantially greater than the radius of any roll that can be held therein, and a removable bridge portion including a knife and lateral tongue and groove means slidable on said slide means and including stop members to prevent spreading of said side walls in use.

2,545,501
LUGGAGE FRAME LOCKED BY SLIDABLE HANDLE
Leo Stein, Chicago, Ill.
Application July 20, 1945, Serial No. 606,084
9 Claims. (Cl. 190—55)



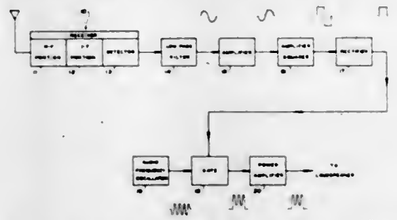
9. In combination in a handbag construction, a pair of separable frame members cooperative to define a closable opening for a handbag, one of said members having a plurality of rigid headed post-like elements extending therefrom in a common direction, the other of said members having a longitudinally movable structure thereon including a plurality of hooks projecting therefrom for engagement and release from the post-like elements upon respective longitudinal movements of said structure, said hooks having respective angular cam faces opposing the heads of the engaged posts and in full engagement of the hooks with the posts effecting wedging interengagement with the post heads.

2,545,502
STEERING PROPELLER AND RUDDER MOUNT FOR BOATS
Arnold C. Troester, Midvale, Utah
Application February 2, 1948, Serial No. 5,775
4 Claims. (Cl. 115—35)



1. In a propelling and steering apparatus for boats; a stationary tubular housing projecting through and below the bottom of a boat; the tubular housing having an annular flange extending laterally therefrom and positioned below the bottom of the boat; a pair of rudder plates removably secured together and embracing the portion of the tubular housing disposed below the boat from opposing sides of the housing to form a rudder unit; the plates having grooves snugly receiving the annular flange so that the latter will retain the rudder unit against longitudinal movement relative to the tubular housing; the rudder unit being swingable about the tubular housing; a propeller revolvably carried by the rudder unit and swingable therewith; means for swinging the rudder unit and propeller into various angular positions about the tubular housing for determining the course of the boat; and means for driving the propeller.

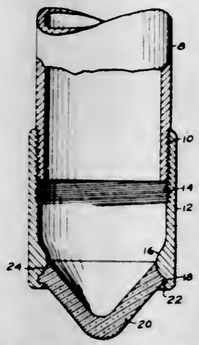
2,545,503
RADIO OBJECT DETECTION ALARM
William Tucker, Newark, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 30, 1945, Serial No. 596,713
9 Claims. (Cl. 343—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a system for detecting moving objects wherein a continuous wave of fixed frequency is directly radiated from a transmitter toward a receiver substantially spaced therefrom and wherein the waves directly received from said transmitter are mixed with

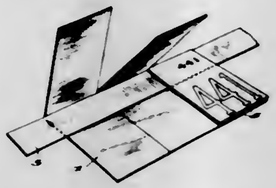
waves reflected from a moving object to derive a resultant difference-frequency wave; means for informing the observer of the presence of said object comprising an aural indicator, an audio-frequency oscillator, and gating means under the control of said resultant wave for applying the output of said oscillator to said indicator.

2,545,504
COMPLETION SHOE
Pablo Antonio Villafañe, Maracaibo, Venezuela
Application September 20, 1946, Serial No. 698,093
1 Claim. (Cl. 166—4)



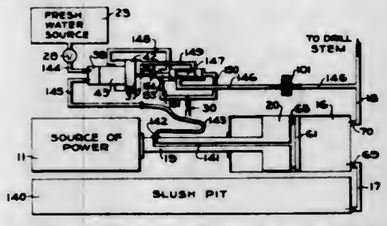
In a closure device for a tube adapted to convey oil, a collar releasably secured to said tube, there being an annular groove arranged in the inner face of said collar, a flange arranged above said groove and projecting inwardly from the inner face of said collar, a conical cap fabricated of frangible material dependingly carried by said collar, there being an annular arcuate recess in said cap for the reception therein of the projecting flange of said collar, and an annular rib spaced below said recess projecting from said cap and seated in the groove in said collar.

2,545,505
TAG
Marvin L. Wall, Morristown, Tenn.
Application April 25, 1946, Serial No. 664,808
3 Claims. (Cl. 40—27)



1. A tag comprising a paper strip folded upon itself with the end edges thereof terminating substantially adjacent each other and forming superposed plies adhesively secured together, and a strip of reinforcing material secured entirely between the plies and extending continuously from side-to-side of the tag and from the folded edge thereof toward the opposite edge of the tag, said tag having indicia applied to at least one surface thereof and having a hole in one end thereof extending through the plies and through the reinforcing strip adjacent the indicia, said strip extending throughout the area of the hole and continuously therefrom throughout the area under the indicia to prevent separation of the indicia from the attaching means passing through the hole.

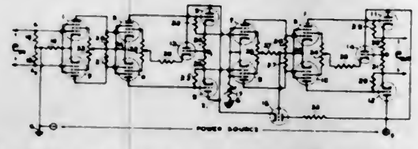
2,545,506
PUMP
Raymond A. Walsh, Davenport, Iowa
Application October 17, 1945, Serial No. 622,918
22 Claims. (Cl. 103—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A slush pump for forcing drilling fluid through the drill stem of a rotary well drilling apparatus, comprising a prime mover, a main pump cylinder, a main pump piston having a piston rod secured thereto, means operatively connecting said prime mover to said rod for reciprocating the latter, valve means in the pressure end of said cylinder for the admission and discharge of drilling fluid thereto, said piston comprising an apertured central body portion and a wiper portion defining a substantially closed annular space therebetween, said wiper portion having a plurality of axially inclined peripheral grooves providing restricted fluid egress from said annular space, a secondary differential piston type pump mounted within the apertures in said main piston central body portion including at least two pistons of different diameters, the larger diameter piston constituting a power source for actuating the smaller diameter piston, inlet and outlet valves associated with the aperture containing said smaller diameter piston for controlling the admission and discharge of washing fluid thereto, said larger diameter piston including valve means for controlling the admission and discharge of pressure fluid on opposite sides thereof, a reservoir mounted on said main pump cylinder adapted to contain washing fluid, conduit means interconnecting said rservoir and said inlet valve, and second conduit means adapted to provide for the inlet and discharge of pressure fluid to said larger diameter differential piston valve means, the pressure inlet of said second conduit means being in fluid communication with the pressure side of said main pump piston whereby the washing fluid within said annular space is maintained at a predetermined substantially constantly proportionate higher pressure than that of the drilling fluid within said main pump cylinder.

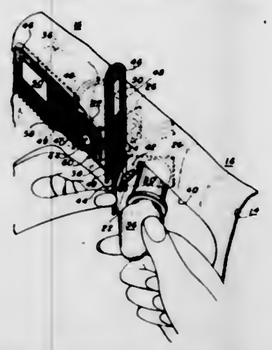
2,545,507
DOUBLE-BRIDGE PUSH-PULL DIFFERENTIAL AMPLIFIER
John E. Williams, Atlantic City, N. J.
Application June 11, 1948, Serial No. 32,517
7 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A push-pull differential electronic amplifier system comprising a plurality of stages of amplification in which each stage comprises; a symmetrical push-pull input element including a pair of similar tubes, an amplifying differential bridge element including in the first and second arms thereof, respectively, a pair of similar pentode tubes responsive, respectively, to the current flow in the tubes of the input element, and in the third and fourth arms thereof a differential follower element including a pair of tubes connected responsively to the first and second tubes, respectively, of the bridge element, the follower tubes having plates thereof connected to a positive voltage supply and the grids thereof connected to



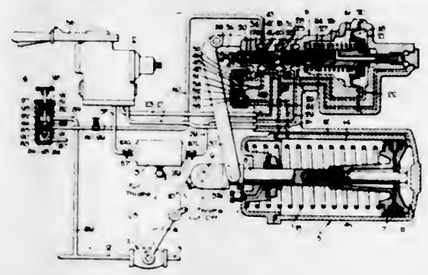
the plates of the first and second tubes of the bridge, respectively, the bridge having a differential load element common to the output circuits of said differential follower tubes and to the output of said first and second bridge element tubes, the cathodes of said follower tubes being connected at taps within said differential load element for biasing the follower tube grids for conduction in inverse proportion to the currents in said first and second arms of the bridge, said follower tubes being parallel-connected to supply regulated voltage to the screen grids of said pentode tubes, thereby to stabilize gain in the stage.

2,545,508
PILOT LAMP MOUNTING
Harold P. Allen, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1949, Serial No. 124,375
7 Claims. (Cl. 177—329)



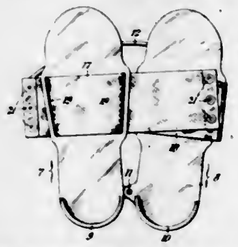
1. A pilot lamp mounting arrangement including, in combination, a sheet material panel having a first and a second opening and a common rib portion disposed between said openings, an angular bracket having a first and a second arm, said first arm extending rearwardly through said first opening and having a lamp socket adapted to support a lamp directly behind one of said openings, said second arm having an aperture for mounting purposes, a screw passing through said aperture and normally fastening said bracket to said rib, said screw being substantially longer than the combined thickness of said rib and said second arm, said aperture being larger than the cross section of said screw, angular movement of said bracket about said rib as a pivot being thereby permitted when said screw is partially withdrawn, and said one opening being of sufficient size to permit said socket to be moved at least partially therethrough by such angular movement.

2,545,509
FLUID PRESSURE THROTTLE CONTROL APPARATUS
Arthur J. Bent, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 774,969
6 Claims. (Cl. 121—38)



1. In combination, two independent sources of fluid under pressure, a fluid pressure adjustable motor, pilot means operable by fluid under pressure from one of said sources for supplying fluid under pressure from said one source to said motor and upon release of fluid under pressure to establish a fluid pressure release communication from said motor, an operator's control device for controlling supply of fluid under pressure from said one source to said pilot means and for releasing fluid under pressure therefrom, another operator's control device for selectively opening said communication to atmosphere or to the other source of fluid under pressure, and valve means for opening and closing communication between said one source and the first named operator's control device and said pilot means.

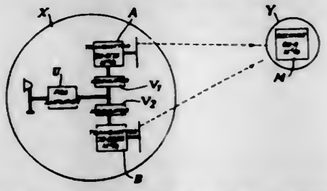
2,545,510
FOOTREST
Merritt W. Bosler, Norristown, Pa.
Application March 29, 1949, Serial No. 84,244
2 Claims. (Cl. 128—80)



1. In a foot rest for use by morticians or orthopaedists, a pair of foot plates; a pivot connecting the plates at the inner edges of the heel portions; means for fixing the plates in angularly positions comprising an arcuate rod with its center of curvature in the axis of the pivot and with one end thereof anchored on the toe portion of one plate,

an apertured lug on the toe portion of the other plate in which the rod is slidingly engaged, and a set screw in the lug to bind upon the rod; and means for detachably fastening the plates to the feet of a person.

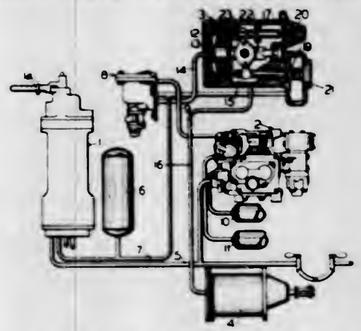
2,545,511
RADIO COMMUNICATION SYSTEM
John Raymond Brinkley, London, England
Application July 29, 1947, Serial No. 764,391
In Great Britain May 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1965
5 Claims. (Cl. 250—6)



1. A very high frequency radio communication system comprising a receiver having solely a single tuned radio-frequency circuit and a circuit responsive to the modulating audio-frequency signals for receiving amplitude-modulated waves, the effective band width of said radio-frequency tuned circuit being greater than the maximum effective transmission frequency of said circuit responsive to the modulating audio-frequency signals; a plurality of transmitters having separate antennae each transmitting energy to said receiver, said transmitters having different tuned carrier frequencies within the effective band width of the single tuned radio-frequency circuit of said receiver and each said tuned frequencies of said transmitters being separated from every other of said transmitted frequencies by a frequency difference greater than the maximum effective transmission frequency of the circuit of said receiver which is responsive to the modulating audio-frequency signals; and means for applying a predetermined signal modulation simultaneously to all of said transmitters.

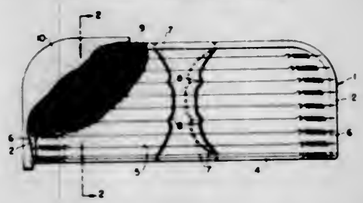
2,545,512
FLUID PRESSURE BRAKE CONTROL APPARATUS
James A. Campbell, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 24, 1948, Serial No. 61,808
6 Claims. (Cl. 303—40)

1. In a locomotive fluid pressure brake equipment, in combination, a brake pipe, brake means operable by fluid under pressure to effect an application of brakes, brake controlling means responsive to a reduction in brake pipe pressure to supply fluid at a pressure corresponding to the degree of such reduction, valve means controlling a communication for conveying fluid under pressure to said brake means, movable abutment means operable by fluid under pressure supplied by said brake controlling means to operate said valve means to open said communication, and operable by fluid under pressure supplied to said brake means to effect operation of said valve means to close said communication, precompressed spring means for acting on said abutment means in opposition to pressure of fluid supplied by said brake controlling means, and piston means interposed between said movable abutment means and spring means subject to



pressure of fluid in said brake means opposing pressure of said spring means.

2,545,513
RESILIENT SEAT
Keith L. Emberson, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application June 10, 1947, Serial No. 753,702
5 Claims. (Cl. 155—179)

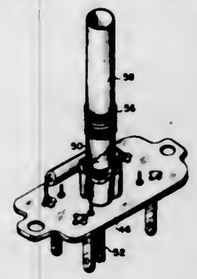


3. In a seat, an elongated frame of greater length than width substantially surrounding a load-carrying area, flexible and resilient means extending from end to end of the frame over the load-carrying area, and a pair of heavy spring wire members, one member being secured to the sides of the frame a distance approximately one third the length of the frame in from the end, and the other member being similarly secured to the other end of the frame, each member having substantially a shape to conform to the contour of the load-carrying area of the seat and to engage and support the center thereof, each member inclining towards the other, and at least certain of the flexible and resilient means being secured to and terminating at the members.

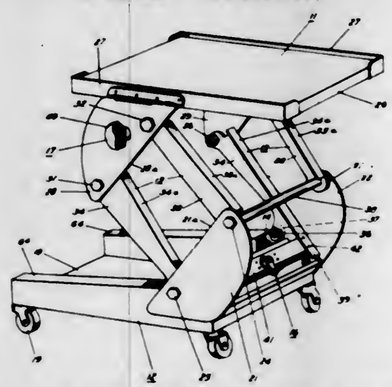
2,545,514
ANCHORING DEVICE
George H. Erb, South Orange, N. J., assignor to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of Delaware
Application October 24, 1946, Serial No. 705,343
9 Claims. (Cl. 248—25)

1. An anchoring device having a body comprising a hollow post portion and a shell portion surrounding a part of said post portion and connected thereto in radially spaced relation, means comprising abutments on said portions for frictionally gripping a hollow element inserted in the space between the post portion and the surrounding shell portion, and means for securing said body to an apertured supporting member comprising a plurality of fingers forming a part

of said post portion extending axially beyond said shell portion and formed to be engaged and laterally spread apart by an element inserted into said hollow post portion and forced between said fingers.



2,545,515
VERTICALLY ADJUSTABLE TABLE FOR OFFICE APPLIANCES
Wright K. Gannett and Gifford M. Mast, Davenport, Iowa, assignors to Le Febure Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application July 24, 1948, Serial No. 40,466
6 Claims. (Cl. 311—39)

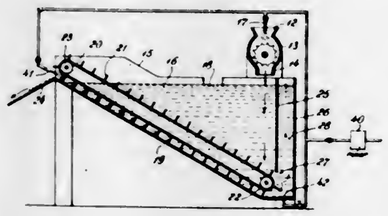


6. In an elevating table, a base, a table top disposed thereabove, pairs of parallel arms pivotally connected therebetween, certain of the arms having extensions beyond the points of pivotal connection with the base, a tension spring anchored at one end thereof to the base at a point remote from the arm extensions, means pivotally connected to the arm extensions at one end thereof and to the free end of the spring at the other end thereof to form a link therebetween, and threaded adjusting means operatively disposed between the said link means and the arm extensions and adapted to vary the angular relation therebetween.

2,545,516
DIOLEFIN-NITRILE COPOLYMER PLASTICIZED WITH HYDROCARBON POLYMER
Albert M. Gessler, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1946, Serial No. 719,637
3 Claims. (Cl. 260—23.7)

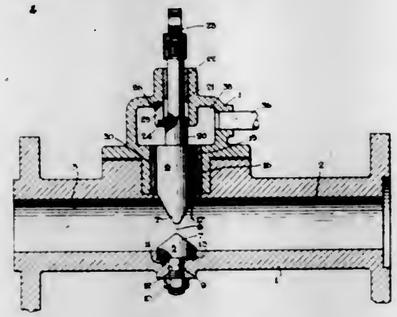
1. A composition of matter comprising 100 parts of a rubber-like emulsion copolymer of 55 to 85% of a conjugated diolefin having from 4 to 6 carbon atoms per molecule with 45 to 15% of acrylonitrile and, as a softening agent therefor, 3 to 25 parts of a hydrocarbon polymer having a Staudinger molecular weight between 8,000 and 20,000 and selected from the group consisting of polyisobutylene, polybutadiene, polyisoprene and copolymers of isobutylene with isoprene and 5 to 30 parts of a complementary softener selected from the group consisting of linseed oil polymer gel and diethylene glycol phthalate.

2,545,517
APPARATUS FOR THE RECOVERY OF CRAB MEAT FROM BONY MATERIAL BY GRAVITY LIQUID SEPARATION
Sterling G. Harris and Raymond H. Carrington, Beaufort, S. C., assignors to The Blue Channel Corporation, Port Royal, S. C., a corporation of Maryland
Application February 27, 1946, Serial No. 650,614
3 Claims. (Cl. 209—173)



1. An apparatus for recovering meat contained within or adhering to the ground bony material of crabs, which comprises a tank containing a body of liquid and having a pair of opposed side walls and an end wall, a transverse vertical partition within the tank adjacent to and spaced from said end wall of the tank and with the latter partly defining a vertical passage, the partition stopping short of the bottom of the tank to form an orifice connecting the lower end of the passage with the remainder of the interior of the tank, means above the tank adjacent the partition and on the side thereof opposite to the passage for feeding the ground material into the liquid in the tank, means for introducing additional liquid under pressure into the lower end of the passage to create an upward current therein, an outlet in one side wall of the tank at a place remote from the passage for escape of liquid and buoyant material, means for leading from the top of the passage and away from the tank liquid and material, which is carried upwardly in said current, and a mechanical conveyor for removing non-buoyant material from the tank through the liquid therein, the conveyor having an upper stretch beneath the feeding means and receiving said material and discharging it through the orifice into the bottom of the passage in the path of the additional liquid introduced into the passage, the conveyor also having a lower stretch operating to advance the material from the bottom of the tank adjacent the orifice and discharge it from the tank at a place remote from the passage and on the same side thereof as the feeding means.

2,545,518
PULVERIZED COAL ATOMIZER
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 29, 1948, Serial No. 24,073
2 Claims. (Cl. 241—39)



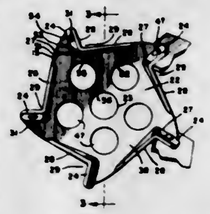
1. A pulverized coal atomizer comprising a casing having an inlet chamber adapted to be supplied with a mixture of pulverized coal and conveying air under pressure and an outlet chamber adapted to be connected to receiving means, fixed and adjustable orifice elements interposed between said inlet chamber and said outlet chamber to define a restricted opening through which said pulverized coal and conveying air from said inlet opening must pass to reach said outlet opening, said fixed orifice element being mounted in a recess in said casing, means for locating said fixed element within said recess, a threaded stem attached to said fixed orifice element extending outwardly through an opening in said casing, a nut attached to said stem, and sealing means cooperable with said fixed element and with said casing to prevent leakage of coal particles from said inlet and outlet chambers to the atmosphere.

2,545,519
SHOE HEEL
John D. Kells, Brooklyn, N. Y.
Application March 27, 1950, Serial No. 152,233
4 Claims. (Cl. 36—38)



1. In a shoe heel, the combination of a main body portion provided with a recess, a complemental body portion disposed in said recess and extending rearwardly therefrom, a lower plate secured to the upper surface of the complemental body portion and an upper plate adapted to be secured to the underside of a shoe sole above said lower plate, and a coil spring mounted transversely between the upper and lower plates and affording a fulcrum for the complemental body portion, whereby the latter may rock about a transverse horizontal axis, opposite ends of said spring being anchored to the respective upper and lower plates for urging said complemental body portion to a position wherein the underside thereof is co-planar with the underside of said main body portion.

2,545,520
SPIDER FOR LAWN MOWER REELS
Robert S. Kinkead, St. Paul, Minn.
Application January 12, 1949, Serial No. 70,412
3 Claims. (Cl. 56—294)



1. A spider for lawn mower reels constructed from sheet metal and having a plate like body symmetrical about a central axis, plate like lugs extending outwardly from said body at the outermost portion thereof and having faces disposed in substantially radial positions and to which the blades of the reel may be attached, said lugs each having a radial edge portion and an inner longitudinally extending edge portion, said lugs along the radial edge portion being integral with said body, and a flange integral with said body and having a longitudinally extending edge portion integral with the inner longitudinally extending edge portion of the lug.

2,545,521
TOOL FOR CUTTING DENTURES
Frank M. Knapik, University Heights, Ohio, assignor of one-third to Ralph F. Knapik and one-third to Helen C. Knapik, University Heights, Ohio
Application June 26, 1945, Serial No. 601,657
1 Claim. (Cl. 30—165)

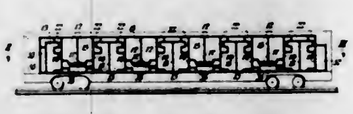


A denture tool comprising a cylindrical body member having a longitudinal opening of triangular cross section therethrough, a cutter bar of triangular cross section adapted to be secured in one end of said opening, said cutter bar having a pyramidal end section thereon providing a cutting point and three hollow ground cutting edges, and a cylindrical handle member secured to the opposed end of said body member to facilitate the rolling manipulation of the cutter bar over the surfaces of a denture, the body member and handle member being of substantially the same diameter and of considerably larger diameter than the cutter bar.

2,545,522
OLEFIN-DIHYDRONAPHTHALENE COPOLYMERS
Eugene Lieber, West New Brighton, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 4, 1945, Serial No. 586,625
8 Claims. (Cl. 260—88.1)

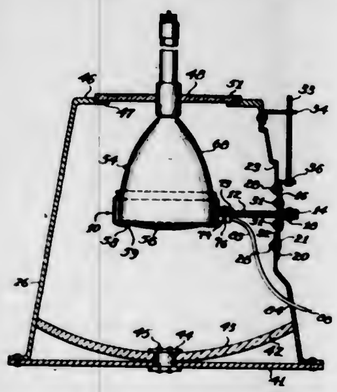
1. The process which comprises copolymerizing 70 to 99.9% by weight of an aliphatic monoolefin having from 3 to 5 carbon atoms with 0.1 to 30% by weight of an unsubstituted dihydronaphthalene, in the presence of a Friedel-Crafts catalyst at a temperature of below 0° C. to −103° C.

2,545,523
PASSENGER VEHICLE
Raymond G. F. Loewy, Sands Point, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 28, 1946, Serial No. 700,031
8 Claims. (Cl. 105—315)



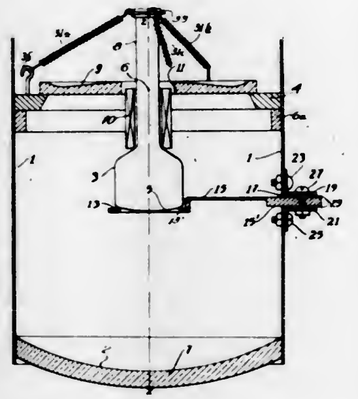
1. In a passenger vehicle, a longitudinally-extending central corridor; a longitudinal series of subdivisions including upper and lower compartments arranged in alternating pairs at opposite sides of the corridor and individually accessible from the corridor, the floors of the lower compartments being at the level of the corridor floor and the floors of each pair of upper compartments being continuous with each other and at a higher level; built in transverse seats backed against the relatively remote end walls of the contiguous upper compartments of each pair; bed mattress storage alcoves in said walls above said seats, each alcove having horizontal offsets at the top and bottom providing in each upper compartment a transverse bottom recess for the reception of a corresponding end portion of the mattress and a transverse baggage shelf in the immediately adjacent lower compartment; and built-in transverse seats backed along the relatively remote end walls of the contiguous lower compartments of each pair below the baggage shelves therein.

2,545,524
SCHMIDT TELEVISION PROJECTION SYSTEM
Ioury G. Maloff, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1945, Serial No. 613,330
3 Claims. (Cl. 177—319)



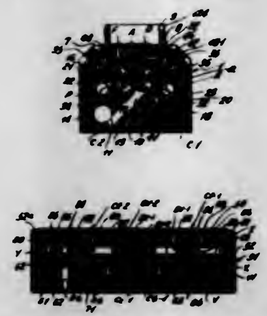
3. In a projector for projecting luminous images produced by a cathode ray tube, a spherical mirror, a spherical aberration correcting lens, said mirror and said lens being spaced from each other whereby light from said mirror is directed through said correcting lens toward an image viewing screen, a support, means whereby the position of said support with respect to the axis of symmetry of said mirror and said correcting lens may be established, a holder for a cathode ray tube carried by said support, said holder having means defining at least three points on the curved target face of a cathode ray tube, resilient means on said holder constructed and arranged to press the target face of the tube into contact with the point defining means and to maintain the tube bodily in position on said tube holder, said tube holder and said resilient means being electrically conductive, and an electrical connection to said tube holder, said resilient means serving as an electrical connector for said tube.

2,545,525
HOUSING AND MOUNTING FOR ELEMENTS OF SCHMIDT TELEVISION PROJECTORS
Ioury G. Maloff, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1945, Serial No. 613,331
5 Claims. (Cl. 177—319)



1. A mounting for an electron image-tube in a projection device comprising a housing, a pair of optical members in said housing each optical member of the pair being positioned adjacent an end of said housing, an electron image-tube having a surface comprising a window cooperating with said optical members, supporting means for the electron image tube comprising a mount for supporting said tube, said supporting means projecting inwardly from a wall of said casing, said mount having engagement with said surface of said electron image tube to position the same axially of said casing and being in the form of an annulus beveled to permit passage of available light to one of the optical elements serving as a light receiving element, and means for exerting pressure on said electron image tube axially of said housing in the direction of said mount so as to maintain said image tube in a position in said housing with respect to said optical members to effect an optimum light path length between the elements.

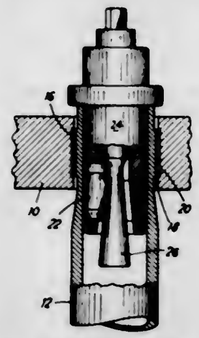
2,545,526
FLUID CONTROL VALVE
Otis C. Martin, Los Angeles, Calif.; Marion E. Martin, administratrix of said Otis C. Martin, deceased, assignor to Harry Nock, Elizabeth, N. J.
Application September 17, 1945, Serial No. 616,672
3 Claims. (Cl. 137—144)



1. In a valve assembly: a body; a plurality of valve chamber bores extending from the exterior of the body, the longitudinal axes of which are disposed in a single plane and intersecting each other; a valve seat formed in each of said bores between the intersection of said bores and the exterior end thereof; a movable valve member in each of said bores between said end and said seat; a pressure supply port in said body connectible to a pressure supply line and intersecting one of said bores above its seat; an exhaust port in said body connectible to an exhaust line and intersecting another of the bores above its seat; a power device port in said body connectible to a power device to be controlled by said valve members and communicating with said bores below their intersection; a pilot valve socket in said body; a plurality of ports in said body intercommunicating said socket with the pressure supply port, the exhaust port and each of said valve chambers at a point above the movable valve members therein; and a pilot valve unit including a pilot valve for each of said movable valve members in a housing insertable in said socket, said housing having a plurality of ports therein, one alignable with each of the socket ports, whereby the insertion of said unit automatically interconnects said pilot valves and said chambers.

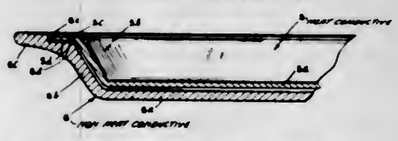
2,545,527
METHOD OF FORMING AN EXPANDED TUBE AND TUBE SEAT CONNECTION WITH AN INTERVENING METALLIC BONDING STRATUM OF LOW FUSION TEMPERATURE
Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application June 21, 1947, Serial No. 756,304
1 Claim. (Cl. 29—157.5)

In the formation of a tube and tube seat construction for fluid heat exchange apparatus operating at pressures, machining the tube seat end of a steel tube to form an annular exterior projection thereon, machining a tube seat in the wall of a steel pressure part to form a corresponding tube seat with an internal annular groove to receive the tube projection, providing upon said projection a metallic bonding stratum of a fusion temperature lower than the fusion temperature of either the wall or the tube, disposing the tube seat portion of the tube within the tube seat of the wall, expanding the tube seat portion of the tube within the tube seat and thereby expelling all air or oxide forming gas from the juncture zone and forming a tight juncture between the tube and the wall, heating the expanded tube and



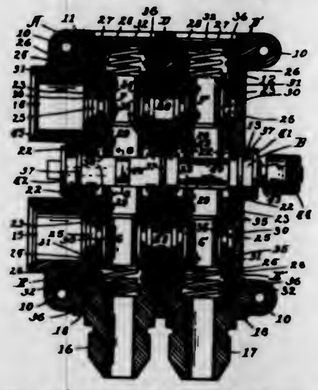
wall construction to a temperature of the order of the fusion point of the bonding stratum and thereby bonding the stratum with the steel on either side thereof by interdiffusion of the metallic constituents without the use of a flux, and re-expanding the tube against the tube seat.

2,545,528
SERVICE UNIT FOR HOT FOODS
Arthur J. Murray, Minneapolis, Minn.
Application January 27, 1949, Serial No. 73,203
2 Claims. (Cl. 65—15)



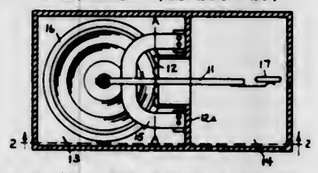
2. A service unit for hot foods comprising nested inner and outer platters having imperforate bottom and side walls, the inner platter being heat conductive and the outer platter non-heat conductive, the inner platter being shallower and smaller than the outer platter and having its bottom and side walls spaced from the adjacent walls of the outer platter, continuous flanges extending from the upper ends of the walls of each platter, the flange on the outer platter being wider than the flange on the inner platter and having a continuous shoulder thereon inwardly of the peripheral edge thereof defining a continuous ledge between the shoulder and the inner surface of the wall of the outer platter, the entire surface of said ledge being in the same plane and at least a portion of the under surface of the flange on the inner platter continuously contacting and being supported by the upper surface of the ledge to provide a seal for the space between the platters, the area of the flange of the outer platter projecting beyond the supported flange of the inner platter constituting a continuous handle extending completely around the platters, the upper surface of the ledge being disposed below the upper surface of the flange on the outer platter a distance greater than the thickness of the flange on the inner platter and the relative dimensions of the platters being such that the peripheral edge of the flange on the inner platter is in clearance relation relative to the shoulder on the flange of the outer platter.

2,545,529
SELECTOR VALVE
John T. Obecny, Los Angeles, Calif.
Application August 21, 1944, Serial No. 550,446
1 Claim. (Cl. 277—20)



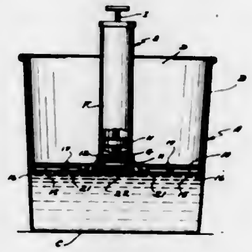
A selector valve, comprising a casing having a pair of laterally adjacent longitudinal valve chambers, a transverse shaft receiving bore intersecting and connected with said chambers between their ends, inlet and outlet ports in said casing, one of said ports being connected with both of said chambers on one side of said bore and the other port being connected with both of said chambers on the other side of said bore, an open ended poppet sleeve valve reciprocable in each outer end portion of both of said valve chambers, the sleeve passage being of large diameter throughout to freely pass fluid therethrough, a cam shaft rotatable through said cam shaft bore and having opposed cam surfaces for controlling the operation of said poppet sleeve valves whereby turning the cam shaft in one direction causes operating fluid and expended fluid to traverse their respective sleeve valves and chambers in opposite directions and by reversing the cam shaft causes the said two fluids to reverse their respective directions of flow through said sleeves and chambers, said valve chambers and sleeve valves providing free flow of fluid through said casing, and compensating means communicating with opposite ends of both of said chambers, whereby the pressure exerted by the operating fluid behind the poppet sleeve valves in one of said valve chambers is equalized and the pressure exerted by the expended fluid behind the poppet valves in the companion valve chamber is also equalized.

2,545,530
DIAPHRAGM SEAL
John B. Peterson, Bethesda, Md.; Ruth L. Peterson administratrix of said John B. Peterson, deceased
Application May 14, 1946, Serial No. 669,543
2 Claims. (Cl. 286—29)



1. In a motion transmitting system; a fluid tight wall having an opening therethrough; a flexible diaphragm mounted in said opening to seal it; a lever passing substantially perpendicularly through and rigidly secured to said diaphragm substantially at its center; and means preventing longitudinal movement of said lever and rotation thereof except in one plane, comprising a planar member flexible only in a direction perpendicular to its plane and mounted substantially perpendicular to the plane of said diaphragm, said resilient planar member being rigidly secured at its midpoint to said lever on one side of said diaphragm and at its ends to said wall on the other side of said diaphragm.

2,545,531
GREASE GUN FILLER WITH SPRING BIASED EXPANSIBLE FOLLOWER
Charles Sands, Kenyon, Minn.
Application November 2, 1949, Serial No. 125,007
5 Claims. (Cl. 226—125)

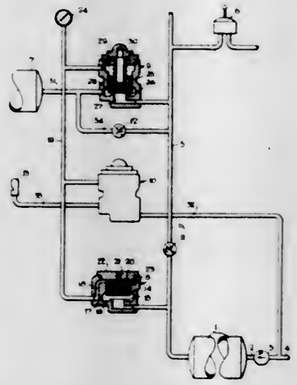


1. A device for filling a grease gun from a grease pail, comprising a plate adapted to fit into the pail and having an opening and means for holding the grease gun while grease is drawn up from the pail through said opening, and spring urged expander elements mounted on the plate and operative to automatically adjust and compensate the effective diameter of the device according to the size of the pail, the said expander elements being pivoted adjacent one end to the plate and having slots at their opposite ends, and rivet means on the plate in said slots.

2,545,532
CONTROL APPARATUS
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 14, 1946, Serial No. 669,724
2 Claims. (Cl. 137—78)

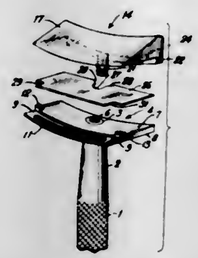
1. In a control apparatus, a normal fluid pressure supply reservoir, a fluid pressure supply pipe for receiving fluid under pressure from said reservoir, a check valve in said pipe for preventing flow of fluid under pressure from said pipe to said reservoir, a safety reservoir, pipe means connecting said reservoirs for conveying fluid under pressure from said normal reservoir to said safety reservoir, a check valve in said pipe means for preventing reverse flow of fluid under pressure therethrough, fluid conveying means connecting said safety reservoir to said supply pipe at the outlet side of the first named check valve for conveying fluid under pressure from said safety reservoir to said supply pipe, said fluid conveying means comprising a valve operable by fluid under pressure to close communication through said fluid conveying means and operable

upon release of fluid under pressure to open said communication, a valve device subject to and operable upon an increase in pressure in said supply pipe to above a chosen pressure to supply operating fluid under pressure to said valve and operable upon a reduction in pressure in said supply pipe to below said chosen pressure to release operating fluid under pressure from said



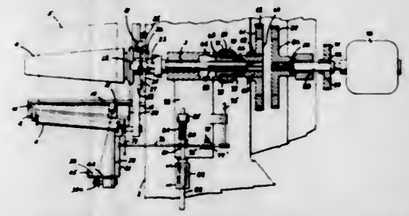
valve, an operator's warning device, another valve operable upon release of operating fluid pressure to effect operation of said warning device and operable by operating fluid pressure to prevent operation of said warning device, said valve device controlling the supply and release of operating fluid under pressure to and from said other valve in parallel with the supply and release to and from the first named valve.

2,545,533
SAFETY RAZOR WITH CONCAVE UPPER CAP FACE
Elmer A. Stewart, Los Angeles, Calif.
Application October 22, 1949, Serial No. 122,985
6 Claims. (Cl. 30—49)



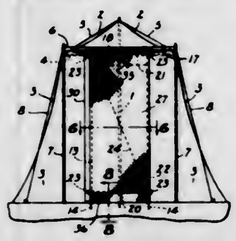
1. A safety razor of the type having a pair of blade-clamping members and a handle, one of said blade-clamping members having an upper, concave surface of cylindrical form with cylindrical elements generally transverse to the razor handle, and the other of said blade-clamping members having an under, convex surface of cylindrical form, complementary to the first-mentioned cylindrical surface, and having an upper, concave, cylindrical surface with its axis of curvature substantially co-planar with, but inclined with respect to, the axis of curvature of its said under surface.

2,545,534
WINDING MACHINE
Joseph A. Truitt, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 5, 1948, Serial No. 19,013
12 Claims. (Cl. 242—18)



1. A winding machine comprising a rotatable spindle for receiving a carrier upon which a strand is to be wound, a rotatable member carrying a magnetizable element, a second independently rotatable coaxial member carrying a magnetic element opposite the first member, said rotatable members being relatively movable in an axial direction, one of the members being connected to the spindle for rotating it upon rotation of the member, stopping means for the machine, and means responsive to actuation of the stopping means for separating the rotatable members into positions of minimum magnetic interaction.

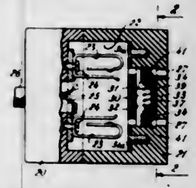
2,545,535
TENT CONSTRUCTION
William E. Trombley, Cleveland, Ohio
Application November 8, 1947, Serial No. 784,894
8 Claims. (Cl. 135—1)



3. In a tent having an angularly disposed side wall with an opening therethrough at a point above the ground level, a door frame and door construction which comprises a pair of roughly triangularly shaped pieces connected to said side wall along the side edges of said opening, a pair of spaced substantially vertical uprights connected to said triangular members to define a door frame, a cross piece detachably secured to said uprights to hold the same in spaced relation, a cover portion secured to said tent and to said triangularly shaped pieces and overlying said door frame, one of said uprights being adapted for pivotal movement about its substantially vertical axis, a lower cross piece detachably secured to said pivotally mounted upright and positioned adjacent the bottom of said opening in said tent side wall to form the bottom edge of a door, an upper cross piece detachably secured to said pivotally mounted upright and positioned adjacent the cross piece extending between said upright members to form the top edge of a door, an upright member detachably secured to said lower and upper cross pieces to form the side

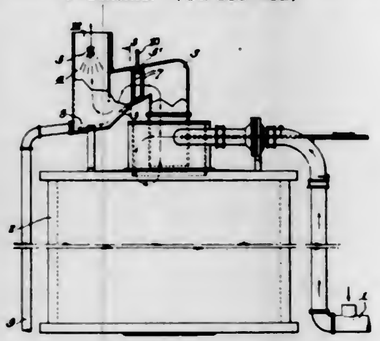
edge of a door, and a door covering secured to said pivotally mounted upright and said cross pieces and upright making up said door.

2,545,536
ELECTRICAL RECEPTACLE WITH SAFETY CLOSURE
Charles T. Von Holtz, Bridgeport, Conn., assignor to Harvey Hubbell, Inc., Bridgeport, Conn., a corporation of Connecticut
Application October 15, 1948, Serial No. 54,604
8 Claims. (Cl. 173—330)



1. In an electric receptacle having a pair of terminals and parallel passages, into which the connection prongs of a plug may be inserted to make contact with the terminals, the combination of spaced inner and outer walls between the passages, a pair of door elements between the walls, each element including a base having a cam surface normally lying within and closing one of the passages and a long leg and a short leg extending from one side of the base, the outer surfaces of the long and short legs of each element lying in a plane, the elements normally having limited contact with one wall at opposite ends of their bases and lying with the outer surfaces of their legs in contact with the other wall and with the long leg of each element aligned with the short leg of the other and with the ends of said legs opposed to each other, and a spring between the elements holding them in their normal positions.

2,545,537
MEANS FOR INTERCEPTING THE ESCAPE OF ASH TO THE ATMOSPHERE
Edward C. Addison, Stone Harbor, N. J.
Application November 20, 1946, Serial No. 711,094
5 Claims. (Cl. 183—31)

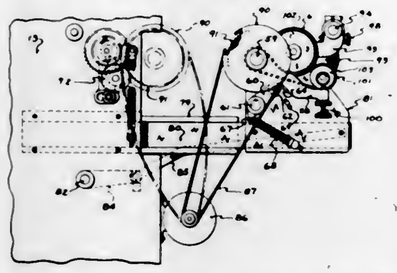


1. An apparatus for separating dust, fly ash and other such light-weight residue products of combustion from a conveying stream of a gaseous medium comprising a main collection chamber for receiving the heavier products of combustion, a separator operatively associated with said main chamber having an intake opening in communication with a delivery conduit for said products of combustion a discharge conduit for said separator open to atmosphere, said discharge conduit including a laterally offset portion having a bottom wall which slopes downwardly and away from the central axis of said separator, screen means disposed within said offset portion of the discharge conduit for intercepting passage of the light-weight products of combustion to atmosphere by way of said discharge conduit while permitting free passage therethrough of said conveying stream of the gaseous medium, and means for continuously flowing water over said screen means to wash the same free of the intercepted products of combustion, said water being directed by the sloping wall of the offset portion of the discharge conduit to a point external of the separator.

2,545,538
PROCESS FOR MANUFACTURE OF NITRIC ESTERS OF NORMALLY SOLID PRIMARY ALCOHOLS
Robert Eugene Barnhart, Gibbstown, and Robert Morris Cavanaugh, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1947, Serial No. 791,174
8 Claims. (Cl. 260—467)

1. A process for the manufacture of nitric acid esters which comprises dissolving a normally solid, crystalline polyhydric alkanol containing at least two of the hydroxyl groups in a primary alcohol structure in a solvent that is reactively inert under the conditions prevailing, simultaneously feeding the solution of the alcohol and high strength nitric acid into acetic anhydride.

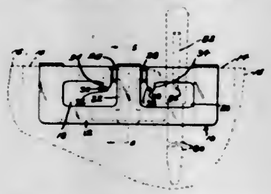
2,545,539
VARNISH APPLICATOR MECHANISM FOR SHEET VARNISHERS
Elmer W. Belluche and Frank R. Belluche, Racine, Wis., assignors to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Original application November 30, 1942, Serial No. 467,370. Divided and this application September 21, 1946, Serial No. 698,418
14 Claims. (Cl. 91—51)



1. In a varnisher having a main frame and a varnish cylinder: a varnish applicator assembly including a varnish roll cooperable with the varnish cylinder; means on the main frame mounting the applicator assembly for movement to and from its operative position at which the varnish roll coacts with the varnish cylinder; a main drive for the machine having means connectible with the applicator assembly to drive the same when said assembly is in its operative position; an auxiliary drive motor mounted to be nearer the applicator assembly in the operative

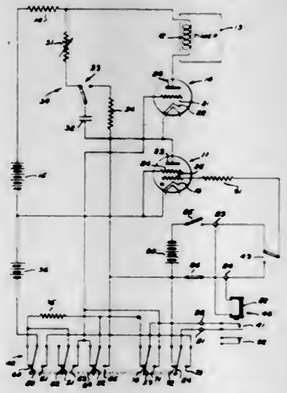
position thereof than when said assembly is in its inoperative position; and a transmission belt for connecting the auxiliary drive motor with the applicator assembly to drive the same when said belt is taut, said belt being of a length such that when the applicator assembly is in its operative position the belt is loose and when the applicator assembly is moved out to its inoperative position the belt is taut.

2,545,540
FOUNTAIN PEN HOLDER
Coin J. Beuck, Belden, Nebr.
Application February 21, 1949, Serial No. 77,620
2 Claims. (Cl. 24—10)



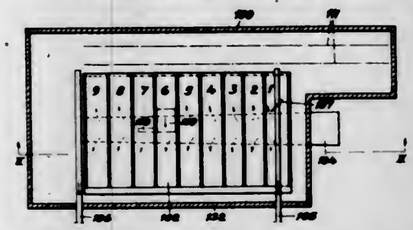
2. A fountain pen detent comprising: a main body portion, said main body portion having an aperture therethrough, said main body portion having an elongated groove in a front face thereof extending from a normally upper end thereof downwardly to and connecting with said aperture; a tang portion protruding from said main body portion into said aperture alongside said groove; and means for securing said main body portion to the outer side of the upper edge of the pocket of a wearer.

2,545,541
APPARATUS FOR TIMING RELAY OPERATIONS
Harold F. Blair, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1948, Serial No. 1,387
6 Claims. (Cl. 175—183)



1. An apparatus for timing relay operations, said apparatus comprising a first electronic tube, a second electronic tube connected in series with the first tube, each of said tubes having an anode, a control grid and a cathode, the anode of the second tube being coupled to the cathode of the first tube to receive operative anode voltage only through the first tube, a source of unidirectional anode voltage having its positive side coupled to the anode of the first tube and its negative side coupled to the cathode of the second tube, an electric timer control operable to start and stop a timer in response to anode current flow in said tube circuit, a relay with switching contacts controlled thereby, means for energizing the relay, means for applying a blocking bias voltage to the control grid of the second tube when the relay is energized, means for applying a firing voltage to the control grid of the second tube when the relay is deenergized, means coupled to the control grid of the first tube and through said contacts for applying a conducting bias voltage to the control grid of the first tube in response to the operation of said contacts, and means coupled to the control grid of the first tube and to said contacts for applying a blocking bias voltage to the control grid of the first tube when said contacts are released.

2,545,542
MALTING PLANT AND METHOD IN WHICH THE GRAIN IS SUCCESSIVELY MOVED AND AERATED DURING MALTING
Herman Fredrik Vilhelm Bödcher and Erik Johan von Heidenstam, Stockholm, Sweden
Application March 6, 1946, Serial No. 652,298
2 Claims. (Cl. 195—129)



1. In a malting plant, in combination, a big room, in said room a row of parallel malting compartments separated by low walls and having a perforated floor, there being no pillars in said room between and along said compartments, means for passing air through the perforations in said floor and the grain malting thereon in said compartments, means for individually controlling the supply of air to each compartment, a device for supplying steeped grain to one of said compartments, a device for transporting the finished malt discharged from another of said compartments, said last-mentioned compartment being the outlet compartment, a conveyor with buckets extending across the whole width of a compartment and operable to take the grain from one compartment and discharge it into the next compartment or onto said transporting device without any displacement in the longitudinal direction of the compartments, said conveyer being movable along each of said compartments individually, and means for moving said conveyer from one compartment to any other of said compartments, including said outlet compartment, in which said conveyer is operable to discharge the finished malt on to said transporting device.

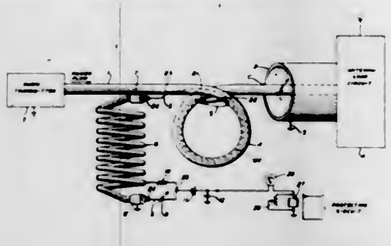
2,545,543
WHEELED SKI
David H. Bottrill, New York, N. Y.
Application April 20, 1946, Serial No. 663,732
14 Claims. (Cl. 280—11.23)

1. A wheeled ski assembly including in combination a pair of elongated ski bodies, a wheel mounted adjacent the forward portion of each ski body for rotation around a transverse axis, a pivoted fork journaled around a vertical axis adjacent the rear portion of each ski body, a wheel mounted in each of said forks for rotation around a



transverse axis, foot positioning means carried by each of said ski bodies adjacent the axis of gyration, and flexible means interconnecting said ski bodies at points adjacent said foot positioning means.

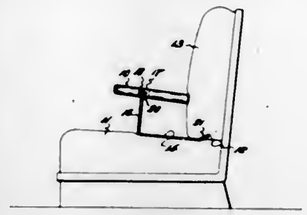
2,545,544
IMPEDANCE MONITOR
William H. Doherty, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1949, Serial No. 132,045
8 Claims. (Cl. 250—17)



1. An impedance monitor for monitoring a coaxial transmission line to detect changes in the input impedance thereof, said coaxial line comprising an outer conductor and a hollow inner conductor having an extended portion extending outwardly beyond an end of said outer conductor, said extended portion being bent in the form of a loop, said monitor having voltage sampling means for deriving electric energy that is proportional to the voltage across the coaxial line and also having current sampling means for deriving electric energy that is proportional to the current fed into the coaxial line, said current sampling means including a wire electric conductor and also comprising a transformer having its primary constituted by said loop formed in said extended portion of said hollow inner coaxial conductor and having its secondary constituted by a coil formed by threading said wire conductor through the inside of said looped portion of said hollow conductor.

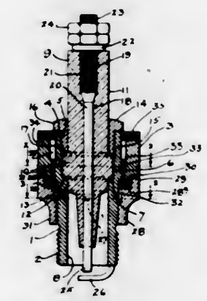
2,545,545
DETACHABLE ARMREST FOR AUTOMOBILE SEATS
Herbert S. Drake, South Orange, N. J.
Application February 10, 1948, Serial No. 7,377
3 Claims. (Cl. 155—112)

1. A portable arm rest device for automobile seats comprising a U-shaped base portion whose side sections terminate opposite to the closed end thereof in upstanding standard legs, an elongated arm rest body surmounting said base portion in substantial horizontal parallelism therewith and having sockets extending horizontally into the opposite sides thereof, the said sockets being disposed oblique to the major axis of the arm rest body and inclined in the same direction, and obliquely inturned coupling members formed on



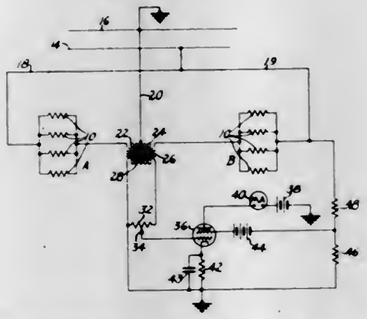
the upper ends of said standard legs and being disposed so as to fit the arm rest body sockets for rigid support of said body, the base portion and its standard legs being resiliently yieldable laterally and normally unflexed in the assembled condition of arm rest body and coupling members.

2,545,546
SPARK PLUG
Bernard C. Fisher, Jersey City, N. J.
Application June 3, 1947, Serial No. 752,165
18 Claims. (Cl. 123—169)



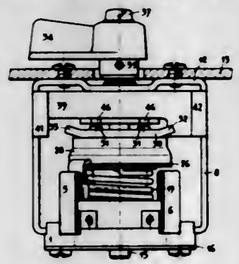
12. A spark plug comprising a tubular member having external threads at one end for screwing said member into the spark plug opening of an internal combustion engine, a conductor extending through said member and forming at one end one of the electrodes for said spark plug and at the other end the external electric connection for said plug, insulating means for insulating said conductor from said tubular member and for sealing the opening through said tubular member, a sleeve member surrounding a portion of said tubular member and cooperating therewith to form an annular cavity therebetween having a flat annular surface, a plurality of ducts in one of said members connecting said cavity with the atmosphere and entering said cavity through said flat surface, a plurality of ducts through the wall of said tubular member and connecting said cavity with the inside of the end of said tubular member adjacent said electrode, and a flat annular plate within said cavity and surrounding said tubular member and adapted to close the openings of said first mentioned ducts in said flat surface when the pressure in said cavity rises above a predetermined value.

2,545,547
DETECTION OF UNBALANCE IN ALTERNATING CURRENT LOADS
William O. Gates, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 21, 1946, Serial No. 711,455
1 Claim. (Cl. 177—311)



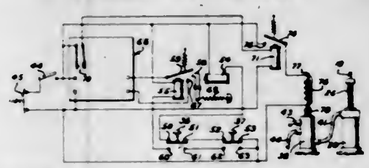
In combination in an alternating current circuit including a plurality of load sections each comprising a plurality of parallel-connected units subject to open circuiting failure, transformer means having a core with primary windings connected respectively in series with said sections and so arranged that the algebraic sum of the magnetomotive forces generated by said windings in said transformer core is substantially zero when said load sections are operating normally, a secondary winding on said transformer, and indicator means connected to indicate the magnitude of the change in the secondary voltage caused by a change of current in one of said load sections.

2,545,548
SWITCH
Jean-Jacques Gouffon, Sainte-Croix, Switzerland, assignor to Paillard S. A., Sainte-Croix, Switzerland, a corporation of Switzerland
Application October 14, 1948, Serial No. 54,509
In Switzerland October 16, 1947
3 Claims. (Cl. 200—155)



1. A switch comprising frame means, an operating shaft mounted for rotation and axial motion in the frame means, a rotor rigid with the shaft, contacts fixed to the rotor, a yieldable member reacting against the frame means and urging the rotor to a certain angular and axial position in which the contacts are disengaged, yieldable means holding the rotor in each of a plurality of positions and including flexible members anchored to the frame means and a rotatable member of non-circular section engaged by the flexible members and held thereby in various angular positions, a clutch device for releasably connecting the rotor to the rotatable member and including an element rigid with the rotatable member, and a second element rigid with the rotor and therefore releasable from the first clutch element by axial motion of the shaft, said yieldable member also urging the rotor toward the rotatable member and thereby the second clutch element to releasably engage the first clutch element.

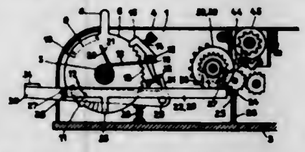
2,545,549
SAFETY CONTROL FOR MACHINES
Nat A. L. Guill, Broadview, and Bror V. Malmberg, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1948, Serial No. 64,114
1 Claim. (Cl. 175—335)



A device for controlling the current to a load comprising a source of current, a timer connected to said source and operable upon the completion of an auxiliary circuit thereto to close a contact pair of the timer and maintain them closed for a predetermined interval, said contact pair having one contact connected to one side of said source, a relay having one side of its winding connected to the other side of said source and having the other side of its winding connected to the other contact of said contact pair, a latch actuating electromagnet having one side of its winding connected to said one side of said source and the other side of its winding normally connected through a pair of manually operated switches connected in series to the other side of said source, and a second relay having its armature positioned to be latched by the latch actuating electromagnet when said electromagnet is deenergized, said second relay having one side of its winding connected to said one side of said source and having the other side of its winding connectible in series to said switches in their off-normal or operative positions to the other side of said source, said auxiliary circuit being under control of said second relay for closing said contact pair to initiate the operation of the timer whereby actuation of both of said switches is necessary to render the latch-actuating electromagnet potentially effective and return of both of said switches is necessary before another cycle of operation can be initiated.

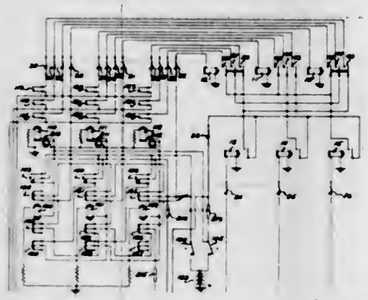
2,545,550
CALCULATING MACHINE
Kurt Jordan, Brunswick, Germany, assignor to Brunsviga Maschinenwerke Aktiengesellschaft, Brunswick, Germany
Application September 14, 1949, Serial No. 115,624
In Germany October 15, 1948
6 Claims. (Cl. 235—81)

1. In a calculating machine having a registering mechanism comprising ordinally deployed accumulator elements; an actuator comprising ordinally deployed pairs of stepped-tooth gears axially adjustable into operative relation with said accumulator elements, spring means urging said gears into a normal spaced apart nonactuating position; and value indexing mechanism comprising a rotatably adjustable setting disc for each of said pairs of gears, said discs having peripheral laterally projecting cam tongues, ordinal pairs of pivoted levers connected to said gears and normally engageable by said cam tongues whereby adjustment of said setting discs moves said gears differentially into operative actuating position; means for normal-



izing the value indexing mechanism comprising a common supporting means for said setting discs, a common supporting means for said pivoted levers, manual means for moving said supporting means to relatively displace said levers and discs in planes parallel to the planes of rotation of said discs so as to disengage said cam tongues from said pivoted levers, and resilient means for restoring said discs to normal position.

2,545,551
AUTOMATIC ELECTRONIC DETECTING AND TESTING APPARATUS FOR SWITCHING SYSTEMS
Herbert W. Koch, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 794,971
6 Claims. (Cl. 179—175.25)



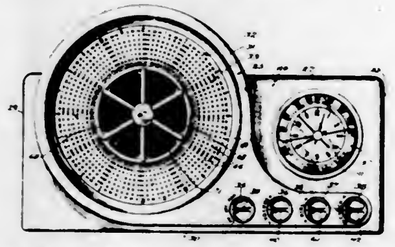
1. An apparatus for testing in automatic succession the leads of a switching system which has therein a first plurality of leads connectable individually to a plurality of other leads, each of said leads having input and output ends, switching means for controlling an element of the switching system to interconnect an output end of one of said leads to an input end of one of said other leads, a starting circuit for initiating a test, a plurality of thermionic tubes, each having an anode, a control element and a cathode, switching means for individually connecting the output ends of the other leads to the control elements of individual ones of said tubes, switching means for applying a predetermined voltage to the input end of one lead of the first plurality of leads, and switching means controlled by said thermionic tubes, including a gas filled tube and a relay for connecting a succeeding lead of the first plurality of leads to the means for supplying a predetermined voltage, thereby to test a second set of leads.

2,545,552
EAR MUFF
Mason S. Leeming, Skokie, Ill.
Application August 13, 1949, Serial No. 110,147
3 Claims. (Cl. 2—209)



1. An ear-protecting device for use with a head covering comprising a cup-like member shaped substantially to conform to the periphery of an ear and engageable therewith and having a flanged top portion extending inwardly from the upper portion of said member for engaging the top of the ear to prevent downward movement of the cup-like member on the ear, and a wedge-like tongue firmly united with said flanged top portion extending upwardly from the outer edge of said top portion; said tongue being thin and uninterruptedly smooth on both sides and wedgeable between a head covering and the head of the wearer.

2,545,553
AUTOMATIC STATION SELECTING AND TUNING DEVICE FOR RADIO RECEIVERS
John Lolli and Gene Papitto, Chicago Heights, Ill.
Application October 9, 1947, Serial No. 778,844
7 Claims. (Cl. 161—1)



1. A station selector and tuner for a radio receiver, comprising a support, a multi-stage radio receiver carried by said support, a fixed trimmer condenser for each radio station and for each stage of the receiver, each condenser being connected in circuit with one of the receiver stages and with a station switch, a common actuating member for actuating all of the switches controlling the trimmer condenser for the various stages for each station, said actuating member being laterally beveled to provide a camming surface, said receiver including a speaker carried by said support, and said speaker registering with an opening in an annular station selector member, means carried by said support for rotatably supporting said annular selector member for rotation about a horizontal axis, said selector member having a ring of holes through it for each station and a hole in each ring for each quarter hour of the day, a plurality of headed pegs mounted in said holes and projecting backwardly from said annular selector member in position to engage predetermined common switch actuating members at their lateral camming surfaces as the annular selector member rotates, each peg

actuating a predetermined common actuating member at the beginning of a predetermined quarter hour period, means for rotating the annular selector member step by step at the end of each quarter hour through an arc equivalent to one quarter hour on the annular selector member, and means for positively holding the annular selector member from moving in either direction during the periods of time between its step by step movements, the said support comprising a metal member having a vertical flange supporting the trimmer condensers, switches, speaker, and station selector, and having a wide stable horizontal flange supporting the radio receiver so that the mechanism may be mounted upon said support for insertion into a housing as a unit.

2,545,554

PRODUCTION OF STREPTOMYCIN-RESISTANT STRAINS OF STREPTOMYCES GRISEUS

Lloyd Everett McDaniel, Rahway, N. J., and Arabelle B. Hodges, Washington, D. C., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application February 14, 1948, Serial No. 8,306
2 Claims. (Cl. 195—79)

1. The process that comprises propagating a streptomycin-producing strain of *S. griseus* in a nutrient medium containing an initial streptomycin concentration of about 250 mcg./ml. employing the mycelium formed during such propagation to inoculate a nutrient medium containing an initial streptomycin concentration approximately 100 mcg./ml. higher than said first named medium, and repeating the propagation and inoculation of successive mediums having initial streptomycin concentrations increasing in increments of about 100 mcg./ml. until a resistant strain of *S. griseus* is obtained which grows well in mediums containing an initial streptomycin concentration of at least 500 mcg./ml.

2,545,555

POCKET ADDING DEVICE

Florindo J. Perillo, Tucson, Ariz.

Application May 31, 1950, Serial No. 165,316
3 Claims. (Cl. 235—78)



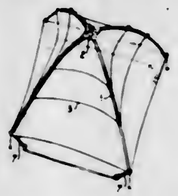
1. A pocket adding device having a housing provided with a window or windows, a penny-dial manually rotatable in said housing, said penny-dial being provided on both sides with circularly arranged figures from 0 to 99, the figures on the bottom side of said penny-dial being located so as to be individually visible through the window in said housing as said penny-dial is rotated, a dollar-dial rotatably mounted in said housing between said penny-dial and the bottom of said housing, means cooperating with said penny-dial and with said dollar-dial for causing said dollar-dial to rotate one-tenth of a revolution for each complete revolution of said penny-dial, said dollar-dial being provided on its bottom side with circularly arranged figures from 0 to 9 which are located so as to be individually visible through the window in said housing as said dollar-dial rotates, a cover-plate manually rotatable in said housing outside of said penny-dial and provided with a window through which the figures on the top side of said penny-dial are individually visible as said penny-dial is rotated, and means for retaining said penny-dial aid said cover-plate in any of the positions to which each of them may be manually rotated.

2,545,556

ROOF OF LARGE SPAN

Henri Maclaine Pont, The Hague, Netherlands

Application July 8, 1947, Serial No. 759,584
In the Netherlands March 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 5, 1961
3 Claims. (Cl. 108—1)



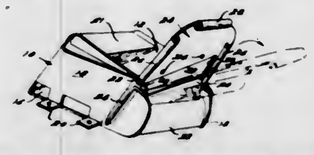
1. A roof of large span comprising, in combination, abutment structures at the corners of the roofed space only, resiliently flexible curved rafters, which rest on said abutment structures, meet in the top of the roof and are turned with their concave sides toward the inside, eaves-cables provided round about the roof on the level of the lower ends of said rafters, networks composed of completely flexible stretchable wire-like means provided in the roofing planes between said rafters and said eaves-cables and keeping the latter bent upwards, and a roof covering supported directly by said roofing networks, said rafters, said eaves-cables and said roofing networks constituting a balanced elastic umbrella-like structure standing on the tips of its ribs only.

2,545,557

INCLINED RECIPROCATING VEGETABLE CUTTER

Harland R. Ransom, Detroit, Mich.

Application November 22, 1946, Serial No. 711,725
6 Claims. (Cl. 146—152)



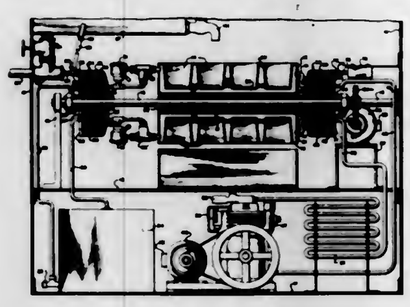
1. A vegetable slicer comprising a body having sides and confronting parallel guideways in said sides; a reciprocable slide disposed between said sides with opposite edges thereof confined in said guideways; cutter means on said slide; and means including grooves in said guideways and studs on said slide which travel in said grooves for normally preventing withdrawal of the latter directly from the guideway, said grooves having angularly disposed terminal portions through which the studs pass when the slide is disengaged from the body.

2,545,558

ICE MAKING MACHINE

Robert D. Russell and William Le Roy Ihly, St. Petersburg, Fla.

Application June 26, 1947, Serial No. 757,250
7 Claims. (Cl. 62—2)



1. An automatic ice making machine comprising, a rotatable support provided with a plurality of circulation chambers, ice cube forming cells in heat exchange relation with each of said circulation chambers, the cells being arranged in oppositely opening pairs relative to the axis of rotation of said support, means for rotating said support to bring said cells into upwardly opening position, refrigeration means, means for coupling warm liquid refrigerant therefrom to each chamber when the cells in heat exchange relation therewith open downwardly, means for conducting refrigerant from the chamber associated with the downwardly opening ice cube cells through expansion means to the chamber associated with upwardly opening cells.

2,545,559

ACETONE RESIN MODIFIED PHENOL RESINS

Conrad F. Schrimpe, Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application July 25, 1947, Serial No. 763,739
7 Claims. (Cl. 260—43)

1. Resinous composition comprising a water and spirit soluble heat-hardening base-catalyzed condensation product of a phenol, selected from the group consisting of phenol and alkyl and aryl substituted monohydric phenols, with formaldehyde, and from 25 to 75 per cent by weight of the composition of a soluble base-catalyzed dehydrated condensation product of acetone and formaldehyde, said composition being characterized by inter-reaction of the products upon heating under basic conditions to an insoluble state with a solids content in excess of the average of the condensation products.

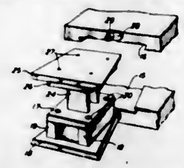
2,545,560

DIE SET FOR PUNCH PRESSES

George Scott, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 26, 1949, Serial No. 83,647
3 Claims. (Cl. 164—118)

1. A die set for punch presses and the like comprising a pair of die set plates, each of said plates having trapezoidal depressions in one face thereof, keyways in said depressions, a pair of base plates fitting into said depressions and into said keyways, one of said base plates mounting a die and the other of said base plates mounting a punch, said punch being adapted to engage



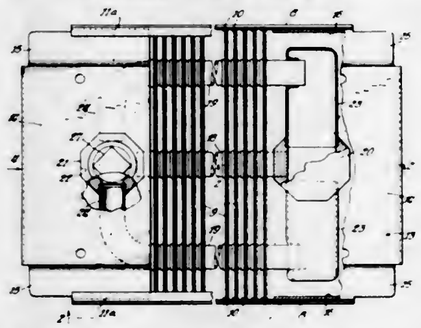
with said die when said die set plates are brought together, and means for securing said base plates in said depressions.

2,545,561

HEATING ELEMENT FOR CONVECTION HEATERS

Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application September 26, 1947, Serial No. 776,363
6 Claims. (Cl. 257—124)



1. In a heating element for convection heaters, a pair of side plates each having outwardly offset longitudinally extending reenforcing portions, fins extending between said side plates and being formed with flanges bonded to the side plates, fluid conducting tubes extending through holes in said fins, a supply header connected to the tubes at one end thereof and a return header connected to the tubes at the other end thereof, and supporting members at the ends of the side plates each having a horizontal plate member, at least one formed with an opening corresponding to the cross section of the associated header and formed at its outer edge with a downturned retaining flange, said horizontal plate member terminating at its ends in two vertical downwardly projecting wing members bonded to the side plates.

2,545,562

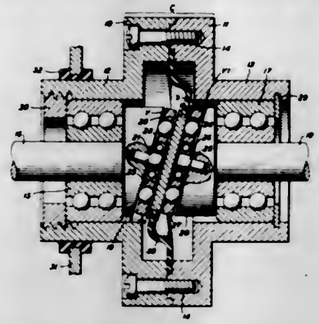
SHAFT COUPLING

Felix A. Thiel, Jr., Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1946, Serial No. 685,960
2 Claims. (Cl. 286—29)

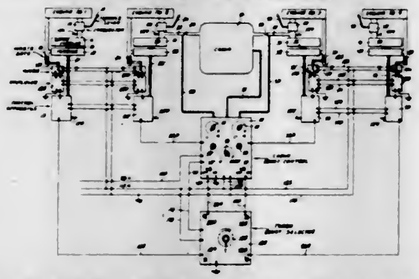
1. In a shaft coupling, a two part casing, a driving and a driven shaft mounted in said casing in coaxial relation to each other, a clutch element carried by each of said shafts disposed in spaced relation to each other, and having oblique op-

posing surfaces, a stud extending from each of said surfaces, ball-bearings mounted on said studs and having thrust bearings rotatably mounted thereon, said thrust bearings engaging said clutch elements, a disc disposed between said end thrust bearings, a ring of flexible material secured at



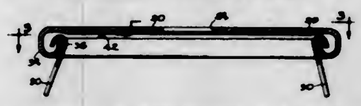
its periphery between the two ports of said casing and secured centrally to said disc for holding the latter against rotation, and means in said casing for forcing said clutch elements, said bearing and said disc into cooperating engagement, said flexible ring permitting the wobbling motion of said disc upon the rotation of said shafts.

2,545,563
AIR FLOW CONTROL APPARATUS
William Evert Welch, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 26, 1944, Serial No. 569,791
13 Claims. (Cl. 244—59)



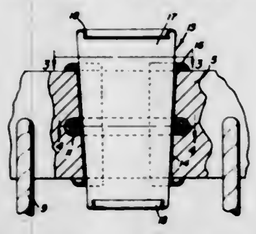
1. In an aircraft having a plurality of engines and a supercharged cabin, individual turbo superchargers driven by the respective engines with which they are associated for supplying air thereto, each of said turbo superchargers having a controllable exhaust discharge means and an air discharge means, a waste gate means controlling the flow of exhaust gas through said exhaust discharge means, conduit means for diverting air from one of said turbo supercharger air discharge means to said cabin; an electric motor means for operating each of said waste gate means, circuit means controlling each of said motors, manually adjustable means for simultaneously adjusting said circuit means to thus simultaneously adjust the air discharge pressure of each of said turbo superchargers; and control means for supplementing the circuit means regulating the air discharge pressure of said one supercharger comprising means responsive to air flow through said conduit means, switching means actuated by said air flow responsive means, reversible motor means controlled by said switching means, and impedance means in said circuit means adjustable by said reversible motor means in a manner to control said one turbo supercharger in a manner to maintain said air flow above a predetermined value.

2,545,564
FIXTURE HANGER
Arthur I. Appleton, Northbrook, Ill., assignor to Appleton Electric Company, Chicago, Ill., a company of Illinois
Application August 3, 1949, Serial No. 108,365
3 Claims. (Cl. 248—343)



2. A hanger for suspending a fixture from a conventional outlet box comprising, in combination, a generally circular plate adapted to be fixed to the box, a downwardly projecting bead rolled about the periphery of the plate and having its free edge serrated and terminating in spaced relation to the flat central portion of the plate, a pair of separate lugs for supporting the fixture with their upper ends of inverted channel-shape hooked over the free edge of the bead and movable therealong, said lugs having teeth formed in the bight portion of their upper ends for coaction with the serrations in the bead edge to maintain the lugs in desired position with respect to the plate.

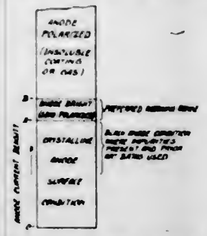
2,545,565
LINE CLAMP
Milbert D. Bible, Mosheim, Tenn.
Application October 2, 1947, Serial No. 777,458
2 Claims. (Cl. 24—136)



1. In a line clamp, a body having a slot extending entirely through the body, said body also having openings passing through the body at right angles to the slot and intersecting the slot at the ends thereof to partially expose a line in the slot when placed in either or both of said openings, a wedge inserted in the slot, and a pair of channel shaped separators in the slot and in which the side edges of the wedge are received to clamp the line in its opening.

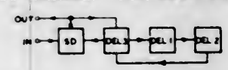
2,545,566
ELECTRODEPOSITION OF METALS AND ALLOYS
James Marvin Booe, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 11, 1943, Serial No. 478,750
2 Claims. (Cl. 204—53)

1. The method of electrodepositing lead from an aqueous alkaline bath containing soluble lead salts which comprises employing a lead anode having an effective surface area less than 0.5 the surface area of the cathode to be plated and passing an electric current therethrough at an anode current density of about 30 to about 50 amperes



per square foot of effective anode surface area, said current density being less than that required to polarize said anode and greater than that at which anode current density increases substantially proportional to the increase in impressed voltage.

2,545,567
SELECTIVE CIRCUIT ARRANGEMENT
Donald Edward Bridges, London, England
Application August 6, 1947, Serial No. 766,605
In Great Britain April 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1965
10 Claims. (Cl. 250—27)



1. Apparatus adopted to respond to a pulse signal having a given pulse recurrence frequency comprising in combination, a switching device which passes signals in a closed condition and blocks signals in an open condition, a local generator which produces a switching signal which both opens and closes said switching device at a recurrence frequency which is less than the given recurrence frequency, means for applying pulse signals to said switching device, and means for opening said switching device after a predetermined delay following receipt of a pulse signal during a period when said switching device is closed, the magnitude of said predetermined delay being sufficient to allow the whole of any desired pulse signal to pass through said switching device before it is opened, said local generator comprising a plurality of series-connected delay devices, and means for deriving said switching signal from a desired point in said series of delay devices.

2,545,568
VENETIAN BLIND
Rudy Bruner, New York, N. Y.
Application November 17, 1948, Serial No. 60,431
2 Claims. (Cl. 160—178)



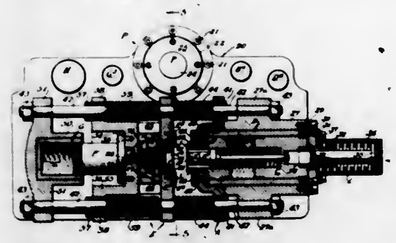
1. In a Venetian blind including cords and tapes, a bottom rail comprising a channel member and a cover member engagingly positioned on the channel member and forming an elongated hollow casing therewith; the bottom ends of the tapes being positioned between said members intermediate the ends of said members and clamped thereby; the bottom end of each tape having an enlargement in thickness and such enlargement is wholly positioned free within the hollow of the bottom rail.

2,545,569
FINGER GUARD FOR CLOTHES WRINGERS
Thomas H. Buchanan, Steubenville, Ohio
Application September 19, 1947, Serial No. 774,983
1 Claim. (Cl. 68—264)



In a clothes wringer, the combination of a housing including a pair of spaced side pieces and an inverted substantially U-shaped channel connecting the upper ends of the latter, a pair of superimposed contacting rollers journaled in said side pieces whereby a substantial portion of the upper roller is disposed within said channel, and a finger guard attachment, said attachment comprising a convexo-concave sheet having its concave side disposed adjacent but spaced from the periphery of the upper roller, said sheet having a reversely-curved upper longitudinal portion provided with a row of apertures, and fastening elements positioned in said apertures and rigidly securing said sheet in said channel, the lower edge portion of said sheet being outwardly arcuated to provide a substantially tubular guard rail disposed substantially at the level of the contacting portions of said rollers and spaced outwardly therefrom.

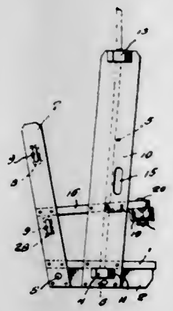
2,545,570
HYDRAULIC FORMING MACHINE
Albert Earl Caldwell, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application January 10, 1945, Serial No. 572,177
1 Claim. (Cl. 113—45)



In a hydraulic forming machine, compound blanking and forming dies, hydraulic means including compound piston means comprising a unit for actuating certain of said dies and including a first piston movable to effect coaction of said blanking dies, a second piston and fluid means coupling the same for predetermined movement to move said first piston for blanking movement as aforesaid, a third piston moved by said second piston into a blank following blanking movement as aforesaid to form up said blank, by-passing port means controlled by movement of

said second piston after forming said blank to inject fluid under pressure into said formed blank, fluid means coupling said second and third pistons for forming operation by the third piston as aforesaid, by-pass port means controlled by movement of said second piston after forming said blank to uncouple said second and third pistons, said third piston partially withdrawing from said formed blank by action of fluid by-passed by said first-mentioned by-pass port means to effect said injection, said injection being under pressure to effect further forming operations on said formed blank, and means operating responsive to negative pressure in said hydraulic means for withdrawing said injected fluid and restoring said dies to an initial condition.

2,545,571
SWING
Victor E. Charn, Sawyer, Mich.
Application December 26, 1945, Serial No. 637,153
2 Claims. (Cl. 155—58)

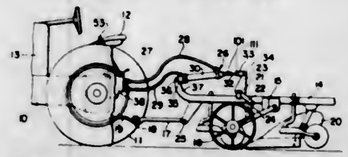


1. In a chair swing, the combination with a rigid seat having front, side and rear edges and a rigid back extending upwardly from said rear edge; of vertical arms rigidly attached to each side edge of said seat intermediate said front and rear edges, said arms each including a pair of vertically-spaced laterally-extending portions, each of said portions being formed with a substantially vertically-directed aperture therethrough, each pair of apertures being adapted to have a swing-supporting cable passed therethrough, and said uppermost of said apertures of each pair being forwardly offset relative to the lowermost apertures.

2,545,572
PRODUCTION OF STREPTOMYCIN WITH A NEW ACTINOMYCES GRISEUS MUTANT
Eugene L. Dulaney, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 14, 1948, Serial No. 8,308
1 Claim. (Cl. 195—80)

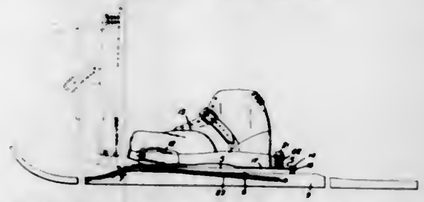
The process for the production of streptomycin that comprises fermenting an aqueous nutrient medium under submerged aerated conditions by means of the organism *Actinomyces griseus* Dulaney L–118, an artificially produced mutant characterized as resistant to an initial streptomycin concentration of at least 500 mcg./ml., and further characterized as consistently yielding at least 800 mcg./ml. of streptomycin.

2,545,573
CONTROLLABLE STOP FOR REGULATING STROKES OF FLUID PRESSURE APPARATUS
Edward H. Fletcher, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application May 11, 1949, Serial No. 92,556
8 Claims. (Cl. 121—38)



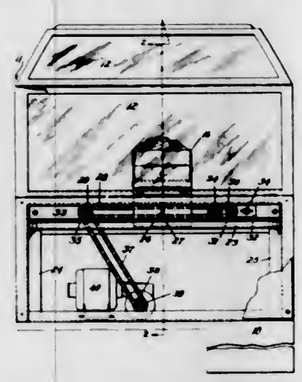
8. In a fluid-pressure system, the combination of: a fluid motor having first and second relatively movable motor parts, the first of which includes a fluid-receiving chamber and means providing a passage for transmitting fluid at times in one direction to and at times in the reverse direction from said chamber; a valve shiftable selectively back and forth between a passage-opening position and a passage-restricting position and having a fluid-pressure-receivable area subject to reversed fluid pressure for shifting of the valve to passage-opening position; a control member shiftable back and forth and having a first portion providing a fluid-pressure-receivable area, subject to reversed fluid pressure for shifting of the member in one direction toward a first position, and a second portion engageable by the second motor part upon predetermined movement of said second motor part relative to the first motor part and providing for forcible shifting of the member in the opposite direction toward a second position; means for restraining the valve against overshifting beyond its passage-restricting condition; means engageable between the valve and the member for holding the valve in passage-opening position when the member is in its first position, said means being separable to provide for forcible overshifting of the member toward its second position and relative to the valve when the valve is restrained at its passage-restricting position; and means for incurring shifting of the valve toward its passage-restricting position upon forcible shifting of the member toward its second position, and providing further for shifting of the valve toward passage-opening position by reversed fluid pressure even though the member is forcibly held toward its second position.

2,545,574
RELEASABLE SKI BINDING
Glenn L. French, Aspen, Colo.
Application November 8, 1948, Serial No. 58,908
7 Claims. (Cl. 280—11.35)



1. A ski binding comprising a rigid binding member, means connecting the front end of the member to a ski for vertical swinging movement as well as for forward sliding movement on the ski, catch means at the rear end of the binding member holding the latter swingably immovable, and spring means connecting the binding member to the ski and normally holding the binding member in its rearward position with the catch engaged.

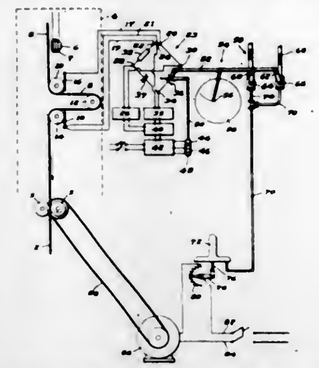
2,545,575
DISPLAY CABINET
Joseph E. Gauvreau, Somerville, Mass., assignor to E. F. Kemp Corp., Somerville, Mass., a corporation of Massachusetts
Application November 6, 1946, Serial No. 708,098
7 Claims. (Cl. 312—223)



1. A cabinet of the class described comprising a housing having transparent side wall panels through which the interior thereof is exposed to view; a relatively large receptacle fixed within said housing for holding and displaying merchandise; a relatively small receptacle movably supported by said relatively large receptacle and disposed directly above the latter also adapted to hold and display merchandise; a motor within said housing, and mechanism through which said motor acts to reciprocate said relatively small receptacle horizontally back and forth above said fixed receptacle to attract attention to the display.

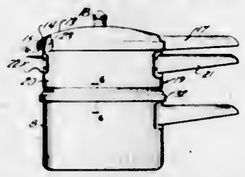
2,545,576
AUTOMATIC CONTROL OF EVAPORATED METAL FILM THICKNESS
Philip Godley, 2nd, Lexington, Mass., assignor to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 21, 1948, Serial No. 10,117
4 Claims. (Cl. 91—12.2)

1. Apparatus for applying an electrically-conductive metal film to a sheet dielectric material which comprises an enclosed chamber adapted to be maintained under a pressure below about 1 mm. of mercury, means for supplying metal vapor to the sheet material, a variable-speed drive for moving a web of said sheet material through said chamber with a surface thereof exposed to said metal vapor whereby a film of metal is deposited on said surface of a thickness inversely proportional to the speed of said web, a pair of electrical contacts within said chamber engaging the metal film on said traveling web at points spaced a constant distance apart on the surface of said metal film, a source of electrical potential connected across said contacts to cause current to flow through said constant length of film at a rate proportional to its thickness, and means for varying the speed of said variable-speed drive with variations in said current whereby to



maintain the thickness of the metal film substantially uniform.

2,545,577
DETACHABLE EXTENSION FOR PRESSURE COOKERS
Norman M. Griffin, Boston, Mass.
Application November 9, 1948, Serial No. 59,137
1 Claim. (Cl. 220—4)



The combination with a cylindrical receptacle having an open end, and an annular flange surrounding said open end and fixedly secured to said receptacle, of an open ended cylindrical casing positioned in aligned relation above said receptacle, means on the lower end of said casing and engaging the open end of said receptacle for fixedly coupling the casing to said receptacle, and a closure for closing the upper end of said casing, said means comprising a depending neck, another annular flange surrounding the neck adjacent its lower end and fixedly secured thereto, said last-named flange being spaced from the lower end of said neck and having a notch formed in its under surface adjacent said neck for receiving the open end of said receptacle, a sealing gasket interposed in said notch and engaging the open end of said receptacle to form an air-tight seal, a skirt depending from the outer edge of said last-named flange, said skirt having its free end turned inwardly to form a ledge, and means carried by said ledge and interlocking with said first-named flange whereby said casing is held in secured relation with said receptacle.

2,545,578
ANTISKID DEVICE FOR MOTOR VEHICLES
Franz Hanel, Baden, Germany
Application September 28, 1949, Serial No. 118,215
In Germany July 2, 1949
7 Claims. (Cl. 280—150)

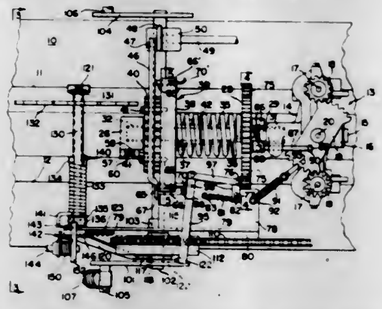
1. An anti-skid device for motor vehicles comprising a straight rod, a hollow sleeve-shaped weight member, a slip ring abutment in each end

of said weight member slidably mounting said weight member on said rod, stationary abutments on said rod inside said weight member, buffer springs in said weight member surrounding said



rod supported by and coacting between said abutments, said weight member and said slip ring abutments completely enclosing said springs and the points of abutment thereof.

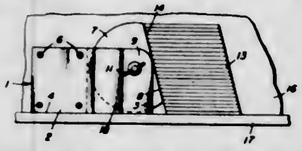
2,545,579
BALE TYING MECHANISM
George B. Hill and Frank D. Jones, Ottumwa, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application July 22, 1946, Serial No. 685,517
18 Claims. (Cl. 100—20)



10. In bale tying mechanism, a drive shaft rotatable through one revolution to complete a tying operation, a pinion on said shaft, a drive gear meshing with said pinion and having a diameter equal to twice the diameter of said pinion, a helical spring disposed coaxial with said gear and having one end attached to the latter, said spring being adapted to be stressed in torsion for rotating said gear, a releasable latch for holding said gear against rotation, said gear being provided with a pair of diametrically opposed recesses in a side thereof to receive said latch, means for shifting said latch out of engagement with said gear to permit rotation of the latter by power from said spring, and means for stressing said spring including a winding wheel connected to the opposite end of said spring and rotatably mounted coaxially of the latter, means for rotating said wheel, a pair of releasable stops disposed in diametrically opposed relation on said wheel and adapted to arrest the rotation of the latter after the torsional stress has been restored, and means actuated by said latch shifting means for releasing one of said stops to initiate rotation of said winding wheel.

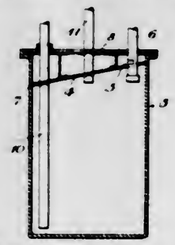
2,545,580
MITER GAUGE
Leo Hoppe, Chicago, Ill.
Original application November 6, 1948, Serial No. 784,372. Divided and this application September 21, 1949, Serial No. 117,024
1 Claim. (Cl. 33—75)

A mitering gauge for use on a flat base with a straight edge on the base and to find the angle of a side edge of a sheet of printer's copy imposed on said base with one end against said straight edge, said gauge comprising an elongated substantially rectangular body having a thickened substantially square rear end portion with a bottom face and adapted to be imposed on said base with one side edge engaged with said straight edge, and a flat segmental gauging member with a straight gauging edge pivoted on said body forwardly of said thickened portion for rotation to engage said gauging edge with said edge of the copy, said pivot including means for clamp-



ing said segment to said body in different set positions, said segment fitting against said body with a bottom face flush with the bottom of said thickened portion so that said gauge will lie flat and level on said base with the said segment lying on the base, said body having an intermediate bend therein extending from one side to the other of said body opposite said segment and being bowed away from the same and resilient for straightening out when said segment is clamped to said body, whereby to cause said body to frictionally engage and lock said segment in set position.

2,545,581
PROCESS OF PURIFYING CITRUS JUICES
William R. Ketchum, Phoenix, Ariz.
Application March 14, 1947, Serial No. 734,629
6 Claims. (Cl. 99—155)

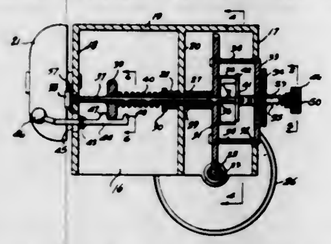


1. The process of purifying potable citrus juices comprising, first, spreading and flowing the juice in a thin film while under reduced air pressure; second, removing froth forming on said juice film, by vacuum suction; third, continuously removing the fluid juice flowing beneath said froth, without agitation, so that larger suspended particles drawn up in the froth will remain therein and not recomingle with the fluid juice; fourth, maintaining the separated juice under vacuum until fruity cell particles have settled away from the surface contacting said froth and fifth removing the juice by vacuum suction with sufficient agitation to carry along said fruit cell particles.

2,545,582
PAGE-END INDICATOR FOR TYPEWRITERS
George G. Knieriem, Jr., Long Beach, Miss.
Application September 2, 1949, Serial No. 113,687
4 Claims. (Cl. 197—189)

1. In a typewriter, a paper-feeding roller provided with a shaft, a housing secured to the frame of the typewriter at one side thereof adjacent

said shaft, a worm element journaled in said housing and connected to said shaft, a gear rotatably mounted in said housing and meshing with said worm element, a disc secured axially to said gear and extending through a wall of the housing, said disc being provided with a calibrated scale, a rod element rotatably carried in said housing



and extending rotatably through the center of said gear and said disc, a pointer carried by said rod element extending adjacent said scale, and interengaging friction means carried by said rod element and said housing normally holding said rod element against rotation with respect to the housing.

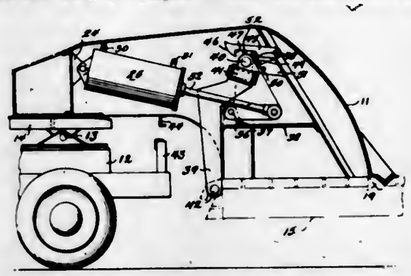
2,545,583
SPECTACLES
Lillian S. La Bard, New York, N. Y.
Application June 9, 1949, Serial No. 98,128
1 Claim. (Cl. 88—41)



A pair of spectacles comprising a lens frame having oppositely disposed outer edges, a pair of temple bars hingedly secured to said frame, a pair of lenses in said frame, said frame having a pair of cutouts in the rear side thereof disposed at each end and spaced rearwardly of said lenses, said cutouts being formed with substantially parallel upper and lower undercut edges to form a keyway extending inwardly from an outer edge of said frame, a mirror mounted in each cutout with top and bottom edges thereof slidably disposed in said keyways and having an outer edge adapted for flush positioning with the outer adjacent edge of the frame.

2,545,584
HEAVY-DUTY TRAILER AND TRACTOR HITCH
Robert L. Meadows, Arlington, Va.
Application August 31, 1949, Serial No. 113,443
10 Claims. (Cl. 280—33.05)

1. A hitch for connecting a towing truck and trailer comprising a gooseneck on the truck extending rearwardly therefrom; a trailer, including a platform having coupling means at its forward end and adapted to be lowered to the ground at its forward end; complementary coupling means on the rear end of the gooseneck adapted to be interlocked with the trailer; and power operated means, including a hydraulic motor housed in the gooseneck and a lifting arm connected and arranged to lift the forward end



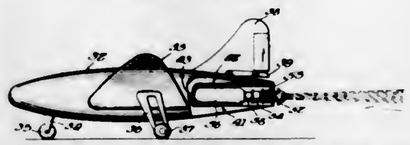
of the trailer into interlocking engagement with the gooseneck.

2,545,585
MOWING MACHINE HANDLE
Hubert H. Montague, Traverse City, Mich.
Application August 14, 1946, Serial No. 690,529
2 Claims. (Cl. 16—111)



1. A resilient handle for a mowing machine or the like composed of a long bent rod of resilient metal having the form of a grip piece composed of a straight transverse section that merges at its ends into like inturned sections about one third as long as and lying on opposite sides and in the same plane with said transverse section, and straight stem sections leading from the inner ends of the inturned sections and arranged in the form of an X in a plane approximately at right angles to the aforesaid plane.

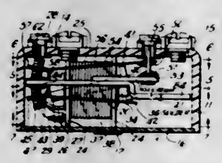
2,545,586
TOY JET VEHICLE
Manfred J. Pollak, Chicago, Ill.
Application March 28, 1946, Serial No. 657,663
2 Claims. (Cl. 46—76)



1. In a traversing toy, a body having a downwardly opening chamber in the rearward portion thereof, a downwardly opening trough-like bracket mounted in the body chamber longitudinally of the same, a sleeve carried in one end wall of the bracket extending longitudinally

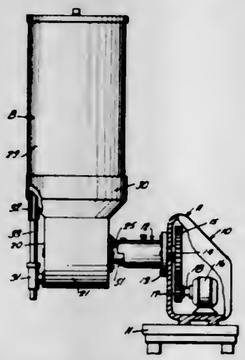
of the same and outwardly thereof, the outer end portion of said sleeve being externally screw-threaded, a jet-nozzle slidably received in the sleeve and its outer end portion normally extended beyond the outer end of said sleeve, a piercing means in and extended from the inner end portion of said sleeve connected to and movable with the jet-nozzle, and a nut engaged on and with the screw-threaded portion of the sleeve and rotatably connected to the outer end portion of said jet-nozzle.

2,545,587
ELECTROMAGNETIC RELAY
Robert E. Prouty, Logansport, Ind., assignor to Essex Wire Corporation, Logansport, Ind., a corporation of Michigan
Application October 31, 1947, Serial No. 783,410
15 Claims. (Cl. 200—87)



1. A relay comprising, in combination, a generally rectangular flat continuous frame of plate-like magnetic material, a spool of insulating material mounted within an opening in said frame, a winding wound about said spool and within said opening in said frame, an armature pivotally mounted within said spool, an actuator carried by said armature, interlocking means between said spool and said frame, resilient means biasing said armature and actuator, and a pair of cooperating contacts movable relative to each other as a result of movement of said actuator against the biasing force of said resilient means on energization of said winding.

2,545,588
DISPENSING MACHINE
Lysle J. Pulse, Helena, Mont.
Application August 2, 1949, Serial No. 108,127
4 Claims. (Cl. 226—19)



1. A dispensing machine for dispensing ice cream comprising a power unit rigidly mounted on a fixed support and having a sleeve projecting substantially horizontally therefrom and a drive shaft concentric with said sleeve, and an ice cream handling assembly comprising a gear pump having a housing provided with an outlet opening, a sleeve projecting from said pump housing and rotatably receivable in said power unit sleeve, and a pump shaft journaled in the pump housing carried sleeve and having a separable driving connection with said power unit drive shaft, a hopper supported on said pump housing and having an opening in its lower end outside of said pump housing, a T-fitting secured in the outlet opening of said pump housing, a valve tube extending through said T-fitting and journaled in the opening in said hopper and manually rotatable between a position in which it connects the outlet opening in said pump housing with the interior of said hopper and a position in which it connects said pump housing outlet opening with the bottom end of said tube for discharging ice cream from said pump into a carton placed below said valve tube, and means releasably inter-connected between said sleeves for holding said ice cream handling assembly with said hopper in upright position.

2,545,589
COLLAPSIBLE CARTON
Rolf A. Samsing, Dorchester, Mass.
Application December 12, 1947, Serial No. 791,236
4 Claims. (Cl. 229—28)



1. A collapsible carton comprising a one-piece blank cut, scored and folded to provide a tray having an upstanding longitudinal partition, an inverted channel shaped slide telescoped over the partition, transverse partitions foldably connected at their ends to the sides of the slide and to the side walls of the tray to form a double row of compartments in the tray, said transverse partitions being foldable against the opposite sides of the slide upon a movement of the slide in one direction and said transverse partitions spreading the sides of the tray and bracing the same upon an opposite movement of the slide, and means locking the slide to hold the tray in open position.

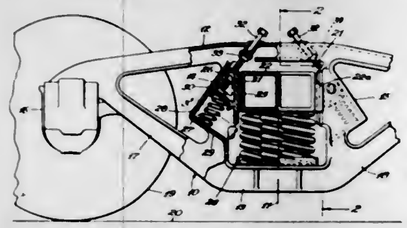
2,545,590
ROTARY SOIL WORKING ELEMENT
Otto Göran August Settergren and Anders Gösta Botvid Settergren, Sennan, Sweden
Application February 20, 1948, Serial No. 9,646
In Sweden October 18, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1958
1 Claim. (Cl. 97—216)



A rotary soil working element comprising a rotary shaft, a plurality of lugs fixed to said shaft at spaced points along the length thereof, a plurality of ground treating means and a plurality of link means each connecting one of said ground treating means with one of said lugs and each

consisting of a number of links, a plurality of pivot pin means interconnecting said links of each of said link means and connecting each of said link means with the corresponding one of said lugs and the associated one of said ground treating means, the axis of said pivot pin means being parallel to said shaft and the links of each of said link means being of such length in relation to the diameter of said shaft that said link means, when wound onto said shaft, reaches substantially three quarters of a turn around said shaft so that the trailing edge of the associated one of said ground treating means abuts against the corresponding one of said lugs thereby increasing the force applied by said ground treating means without introducing excessive stresses in the element.

2,545,591
RAILWAY CAR TRUCK
Charles B. Shaw, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application January 25, 1947, Serial No. 724,384
2 Claims. (Cl. 105—197)



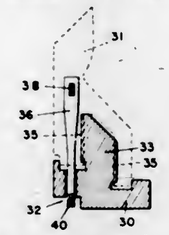
1. In combination with a railway car truck stabilizer carried by a side frame of the truck and of the type comprising a movable friction wedge interposed between a portion of said side frame and a side face of a bolster element of the truck, means defining a retaining element slidably engaging the wedge to retain it in position when the bolster is removed and a coil spring pressing against said wedge to press it into frictional engagement with the bolster, of a screw threaded element cooperating with said wedge and having threaded engagement with a portion of the side frame and movable therethrough when the friction wedge is in its activated position to retract said friction wedge against the pressure of the spring and hold said wedge in retracted position.

2,545,592
METHOD OF MAKING ICE MOLD FIGURES
Thomas F. Sherbloom, Hollywood, Calif.
Application January 26, 1948, Serial No. 4,343
2 Claims. (Cl. 62—172)



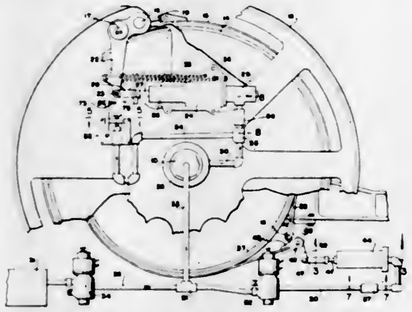
1. The method of producing frozen replicas of original sculptured objects which consists of submerging a water bearing mold having a cavity corresponding to the external surface of the original sculpture in a water bearing container, submerging the mold bearing container in a tank containing refrigerated brine for a period of time sufficient to encrust the mold and its contents with ice in a block corresponding in form to the container and to simultaneously freeze the water within the mold, removing the mold included block of ice from the container and thereafter successively removing the incrusted ice from the mold and the mold from the reproduced object.

2,545,593
REED FOR CIRCULAR LOOMS
Hermann Slowak, Montevideo, Uruguay
Application January 24, 1949, Serial No. 72,348
In Switzerland February 18, 1948
4 Claims. (Cl. 139—13)



1. A reed for a circular loom, comprising an arcuate reed body having a dent-supporting portion, said portion being provided with a pair of spaced arcuate series of slots extending substantially in the direction of the axis of the reed, a slot of each series being in radial alinement with a corresponding slot of the other series, a dent mounted in each pair of corresponding slots, the juxtaposed edge portions only of said dents being received in said slots, and means for securing said dents to said reed body.

2,545,594
HOISTING DRUM SAFETY CONTROL
Floyd R. Spriggs, Beaver Dam, Ky.
Application January 10, 1950, Serial No. 137,683
4 Claims. (Cl. 254—187)



1. In combination with a cable drum and operating assembly therefor including a shaft, a drum on said shaft, a power driven gear on said shaft at one end of said drum, a clutch element carried by said drum, a clutch element carried by said gear and engageable with the drum carried clutch element to provide a torque transmitting connection between said gear and said drum, a fluid pressure operated expansible chamber device carried by said gear and connected to the gear carried clutch element to engage the gear carried element with the drum carried element, a brake element carried by said drum, a complementary brake element fixed relative to the drum carried brake element, a spring connected to the relatively fixed brake

element resiliently urging the latter into braking engagement with said drum carried brake element, a fluid operated expansible chamber device connected to said relatively fixed brake element for releasing the latter from said drum carried brake element against the force of said spring, a source of fluid under pressure, conduit means connecting said source of fluid under pressure to said expansible chamber devices for simultaneously engaging said clutch elements and releasing said brake elements by the application of fluid under pressure to both of said expansible chamber devices, manually controlled valve means in said conduit means for cutting off the supply of fluid under pressure to said expansible chamber devices and venting said devices to simultaneously release said clutch elements and engage said brake elements, a trip valve mounted on said gear adjacent said gear carried expansible chamber device and connected into said conduit means to vent said expansible chamber device connected to said relatively fixed brake element when said trip valve is opened to thereby release said spring to engage said brake elements, said trip valve being opened by the gear carried expansible chamber device when the latter moves beyond its normal clutch element engaging position incident to failure of said clutch elements to drivingly engage.

2,545,595

LINEAR ACCELERATOR

Luis W. Alvarez, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application May 26, 1947, Serial No. 750,598
11 Claims. (Cl. 315—15)



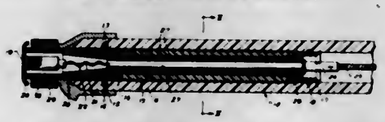
1. An apparatus for accelerating high velocity ions comprising a wave guide, a radio-frequency generator for energizing said wave guide to produce a longitudinal electric field therein, a series of graded length drift tubes spaced apart to form gaps disposed within said wave guide along the longitudinal axis thereof, said drift tubes also having graded diameters thereby establishing said longitudinal electric field in a uniform manner throughout the entire length of said wave guide, means for axially introducing high velocity ions into said wave guide whereby said ions will be further accelerated uniformly through the entire length of said wave guide.

2,545,596

ARC EXTINGUISHING MATERIAL

Roald H. Amundson and Henry V. Dryer, Milwaukee, Wis., assignors to McGraw Electric Company, a corporation of Delaware

Application August 25, 1949, Serial No. 112,380
5 Claims. (Cl. 200—120)



1. In an electrical circuit including means for forming an arc, means along the path of the arc capable of evolving an arc extinguishing gas comprising dimethylglyoxime.

2,545,597

PREPARATION OF ALKYL-NITROARYL ETHERS

Walter R. Ashford and Robert W. Beattie, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 4, 1947, Serial No. 789,762
11 Claims. (Cl. 260—612)

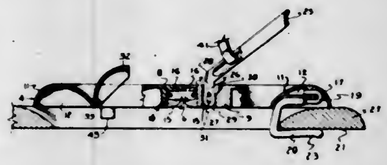
1. A process of preparing an alkyl-nitroaryl ether which comprises passing a stream of oxygen-containing gas into a refluxing reaction mixture comprising essentially a nitroaryl halide, an aliphatic monohydric alkyl alcohol, an alkali metal hydroxide and a metallic compound capable of catalyzing the oxidation of acetaldehyde to acetic acid, said metallic compound being a compound selected from the group consisting of vanadium, chromium, manganese, iron, cobalt, nickel and uranium and being employed in amount ranging from 0.5 to 5% by weight based on the weight of said halide, and maintaining the concentration of said alkali metal hydroxide throughout at from 0.25 to 1.0 normal with respect to the alcohol and any water present, the initial concentration of said alcohol being at least 85% and substantially the only water present in the reaction mixture being that introduced by the alcohol and that formed by the reaction.

2,545,598

FOLDING TOILET SEAT

John V. Barnes, La Canada, Calif., assignor, by mesne assignments, to Taylor-Phillips, Inc., Los Angeles, Calif., a corporation of California

Application October 18, 1946, Serial No. 703,925
3 Claims. (Cl. 4—239)



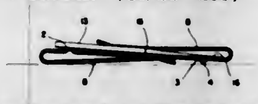
2. In a folding infant's toilet seat, a pair of seat sections hinged together on a transverse axis for folding movement from extended positions in which they cooperate to define an annular seat to folded positions in which their under surfaces are brought together, an arcuate back rest having end portions hinged to the rear section for folding movement from a raised position in which it may function as a back support to a folded position lying closely adjacent the upper surface of the rear section, a pubic section hinged to the inner periphery of the forward section for movement from an operative position in which it projects upwardly above the plane of the seat to a folded position in which it is accommodated within the confines of said forward section, and an attaching member comprising a hook pivoted to the under side of the rear section on substantially the major axis of the seat for folding movement from a position lying in a vertical plane and projecting downwardly to engage beneath the underside of the rear portion of the full-sized toilet seat to a folded position lying in a horizontal plane within the confines of the rear seat section, said rear seat section having a downwardly opening cavity to receive said attaching member.

2,545,599

REED HOLDER

Carl Bartlett, Fort Wayne, Ind.

Application February 4, 1949, Serial No. 74,659
7 Claims. (Cl. 24—259)



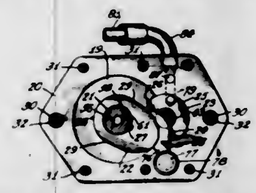
5. A holder for reeds of the type which comprise a shank portion, a tip portion and a tapered portion between the shank and the tip portions comprising, a base, a projection on one side and at one end thereof for supporting the shank portion of said reed, a clip fixed to the other end thereof and extending over said one side to a point short of said projection for exerting pressure on said reed and a stop on said clip for engaging the tapered portion of said reed to limit its movement.

2,545,600

FLUID COMPRESSOR AND THE LIKE

Frank Berry, Corinth, Miss., assignor to Berry Motors, Inc., Corinth, Miss., a corporation of Tennessee

Application August 21, 1946, Serial No. 692,002
5 Claims. (Cl. 230—150)



1. A rotary fluid energy transforming device comprising longitudinally spaced casing members forming the end walls of an annular cylinder chamber and a spacer casing member therebetween forming the outer peripheral wall of said cylinder chamber, a piston rotor comprising a shaft and a piston member surrounding the shaft and fixed thereto, the piston member having a circular portion concentric with the shaft and straight portions tangent to said circular portion, a rotary abutment parallel to the shaft of the piston rotor having a circular portion for rolling contact with the circular portion of the piston rotor and a recess to clear the piston as it passes the abutment, the abutment also having inwardly curved portions between its circular portion and the piston recess therein, said inwardly curved portions providing sealing engagement with said straight portions of the piston member when the circular portions of the piston member and abutment are out of contact.

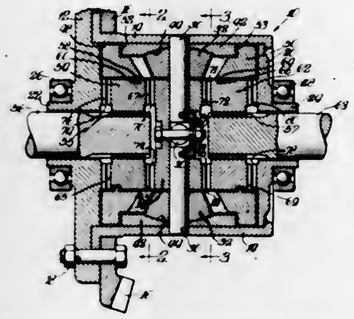
2,545,601

DIFFERENTIAL MECHANISM

William C. Brubaker, Chicago, Ill.

Application October 10, 1946, Serial No. 702,490
3 Claims. (Cl. 74—711)

1. In a differential mechanism including a ring gear and a ring gear carrier for driving a pair of aligned driven members, a spider pinion carrier connected with said ring gear carrier for movements therewith, a plurality of spider pinions carried by said spider pinion carrier, a pair of differential gears in meshing engagement with said spider pinions, a pair of clutch rings interiorly splined to said driven members and movable axially with respect thereto, spaced clutch dogs provided on the opposite faces of said clutch rings, spaced clutch dogs at the opposite sides of the ring gear carrier and spider pinion carrier adapted to be engaged by the clutch dogs of one of said clutch rings depending upon the direction of relative rotation of one differential gear with respect to the other whereby to provide a reversible driving connection between said differential gears and said driven members, and a helical spline connection between the clutch rings and differential gears comprising helical ribs disposed in spaced relation about the interior of the differential gears, and complementary helical grooves spaced over the perimeter of the clutch rings for receiving the helical ribs and move one or the other of the clutch rings axially into clutching engagement.

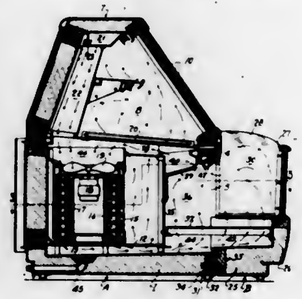


2,545,602

MULTIPLE PURPOSE REFRIGERATED CASE

Ralph J. Burger, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana

Application August 17, 1949, Serial No. 110,775
10 Claims. (Cl. 62—89.5)



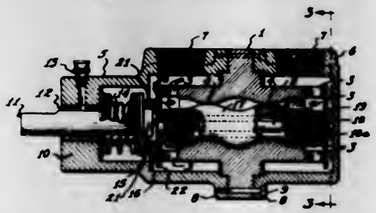
1. In a case of the class described, which combines a cold storage compartment and a display compartment together with means for cooling and circulating air therethrough in a continuous circuit, the provision of an open-top refrigerated display compartment at a side of the cold storage compartment and exposed to the air that is cooled and circulated by said means whereby a portion of the cooled air is by-passed from the lower portion of the storage compartment and circulated through said open-top compartment and then returned to the refrigerating means.

2,545,603
PAPER-COVERED WOOD PRODUCT AND METHOD OF MAKING SAME
Ralph J. Byers, Chicago, Ill., and Moss B. Christian, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware
Application December 22, 1947, Serial No. 793,232
5 Claims. (Cl. 154—132)



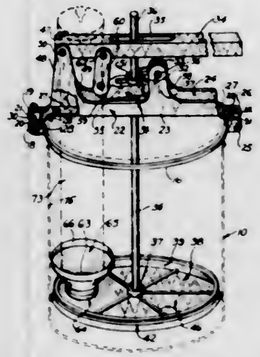
3. The method of making a laminated board which comprises providing a sheet of wet wood veneer containing more than 30% moisture, applying moisture to one face of each of two sheets of paper, applying to the opposite face of each of said sheets of paper an aqueous alkaline glue solution capable of forming a non-slipping bond between the paper and wood prior to removal of the moisture from the wood, allowing the paper to expand, pressing the glued face of one sheet of the expanded paper against one face of the wood veneer, pressing the glued face of the other sheet of the expanded paper against the opposite face of the wood veneer and thereby firmly contacting the glue with both faces of the wood, setting the glue before the wood begins to shrink to form a non-slipping bond between the paper and the unshrunk wood, subjecting the assembly to increased pressure to squeeze water from the wood into the paper for balancing the moisture conditions of the wood and the paper, and drying the laminated assembly to a moisture content between 6 to 12% whereby the non-slipping bond between the paper and wood will cause the paper to hold the wood in its open mesh expanded swollen condition even after the moisture content of the wood is reduced below the point where the wood normally begins to shrink.

2,545,604
PUMP
Frederick Cameron Byram, Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application February 1, 1946, Serial No. 644,812
13 Claims. (Cl. 103—117)



1. In a pump having a hollow cylindrical stator and a rotor therein, the respective parts having cooperating helical threads and so related that to revolve the rotor within the stator enforces an orbital path upon the rotor, a drive for the rotor including a torsion producing element arranged to permit orbital movement of said rotor, means for holding the stator against movement, and an independent thrust member associated with said torsion producing element for absorbing the axial thrust of said rotor, whereby said torsion producing element is freed of axial thrust.

2,545,605
SUBSTANCE FILLING AND DISPENSING APPARATUS
Harry C. Canine, Chicago, Ill.
Application May 13, 1948, Serial No. 26,786
5 Claims. (Cl. 222—391)

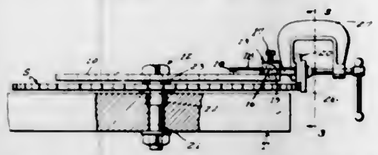


1. In a device of the character described, the combination with an adjustable container engaging bracket plate of substantially U-shaped configuration, of a piston rod reciprocally associated with said bracket plate, a piston sized to the interior of a container to which said bracket plate is attached, said piston being threadedly connected to the lower end of said rod, there being a discharge orifice in said piston, an upwardly and outwardly flared machine part engaging adapter connected directly to said piston, said flared adapter having an intake orifice sized to correspond with said piston discharge orifice, said piston discharge and adapter intake orifices being in unrestricted direct communication to permit the free flow of the contents under pressure therethrough with said adapter resting directly on said piston, a closure flared to substantially conform with said flared adapter to serve as a closure and a flared machine part engaging member in conjunction with said adapter, said U-shaped bracket plate having a depending end flange, a depending tongue struck from said bracket plate in confronting spaced relation to said bracket end flange to receive a container edge therebetween for application of said bracket plate diametrically over the container top, and handle means operatively connected to said piston rod to intermittently displace said piston rod and piston downwardly to eject viscous substances through said discharge orifice and said adapter.

2,545,606
METHOD OF COATING WITH PLUTONIUM ACETYLACETONATE AND COATED PRODUCT
Burris B. Cunningham, Chicago, Ill., Clifford Smith, Oakland, Calif., and Jonathan S. Dixon, Santa Fe, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application January 7, 1946, Serial No. 639,706
6 Claims. (Cl. 117—106)

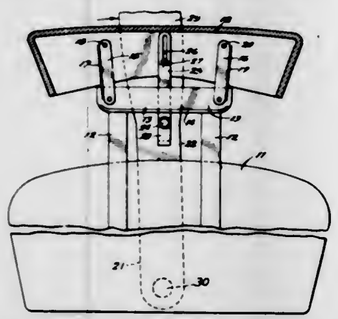
1. The method of coating with plutonium acetylacetonate a metal article nonreactive with said plutonium acetylacetonate which comprises volatilizing the plutonium acetylacetonate by the application of heat and subatmospheric pressure and condensing the vapor on said metal article.

2,545,607
JOINTING GAUGE FOR CIRCULAR SAWS
Henry M. Dixon, Miami, Fla.
Application January 12, 1949, Serial No. 70,580
1 Claim. (Cl. 76—48)



In a jointing gauge for circular saws, a flat elongated bar having a longitudinal series of spaced apertures, means engageable in the shaft opening of the saw and selectively so in said apertures for adjustably securing the bar diametrically of the saw, a guide yoke on the outer end of said bar, a gauge bar adjustably secured in said yoke, a guide plate mounted on and transversely of the outer end of said gauge bar, and a C-clamp adapted to have its fixed jaw engaged with the inner side of said gauge plate and its movable jaw abutted against the outer side of a flat file positioned against the outer side of the gauge plate, the lower edge portion of said file depending below the lower edge of said guide plate for abrasive contact of the teeth of the saw therewith.

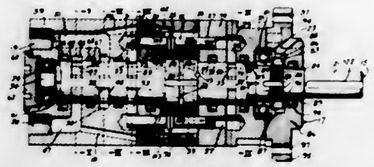
2,545,608
REVERSIBLE SEAT BACK AND ARMREST STRUCTURE
Robert Louis Edwards, Oak Park, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application January 15, 1949, Serial No. 71,086
7 Claims. (Cl. 155—101)



1. In a reversible seat back and arm rest structure, a base, a seat thereon, angularly related links pivotally carried by said base, an arm rest pivotally mounted upon said links, a seat back pivotally mounted upon said base and swingable to opposite sides of said seat, and link means connecting said back to said arm rest for moving said arm rest longitudinally as said back is moved.

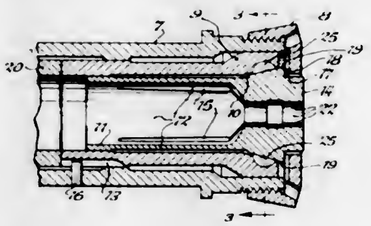
2,545,609
MULTIPISTON MOTOR OR PUMP
Ernst F. Engstrom, Chicago, Ill.
Application December 9, 1947, Serial No. 790,625
19 Claims. (Cl. 103—173)

1. In a combination hydraulic motor or pump unit, a casing, a shaft rotatable in the casing, longitudinal fluid distribution grooves on said shaft within the casing, a distributor sleeve coextensively encompassing the grooved portion of the shaft and closing the grooves to convert them into closed ducts, said sleeve having hydraulic fluid distribution orifices therein communicating with the grooves, the casing having means for communicating with a hydraulic fluid supply exteriorly of the casing and cooperating with the distributor grooves and orifices to provide a fluid circuit within the unit, a plurality of pistons, and thrust transmissioh means carried by said



sleeve and operatively coacting with the pistons, said orifices having operative communication with the pistons, whereby when the unit is operating as a motor high pressure hydraulic fluid is supplied through said grooves and orifices for actuating the pistons and thereby driving the shaft through said thrust transmission means and when the unit is operating as a pump rotation of the shaft effects operation of the pistons through said thrust transmission means for pumping the hydraulic fluid through said orifices and grooves.

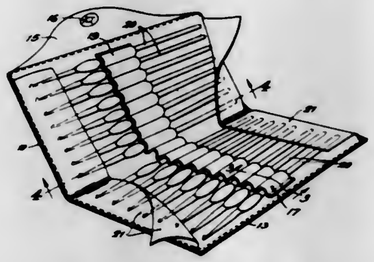
2,545,610
ACTUATING MECHANISM FOR COLLETS AND THE LIKE
Leigh R. Evans, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application October 14, 1949, Serial No. 121,241
14 Claims. (Cl. 279—51)



2. In a work-gripping construction including a collet member having a plurality of jaws movable toward and from each other, and each having inner work-gripping surfaces and outer tapering surfaces, a cooperating member within which said collet member operates and which has an inner tapering surface extending about said outer tapering surfaces of said jaws, that improvement which includes bearing pieces on said cooperating member which project toward the axis of rotation of said cooperating member beyond the inner tapering surface thereof and having faces for engaging with the outer tapering surfaces of said collet member and which hold said tapering surfaces of said collet member out of engagement with said inner tapering surface of said cooperating member, and means for swingably mounting said bearing pieces on said cooperating member to enable

said faces of said bearing pieces to aline themselves with the tapering surfaces of said collet jaws.

2,545,611
CASE FOR ELONGATED ARTICLES
Roy L. Flannery, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1949, Serial No. 71,832
2 Claims. (Cl. 150—34)



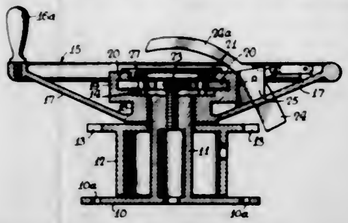
1. In a case for enclosing elongated articles, a pair of thermoplastic sheets heat sealed to each other about their edges to provide an air cushion therebetween, said united sheets forming a case body adapted to be folded upon itself along a median line, a strip extending along the innermost of said sheets and heat sealed thereto at spaced intervals to form retaining loops for said elongated articles, said air cushion forming grooves receiving said elongated articles therein and maintaining them in parallel relation, and means for locking said case in folded relation.

2,545,612
SULFUR-CONTAINING COMPOUNDS OF NEPTUNIUM AND A PROCESS FOR THEIR PREPARATION
Sherman Fried, Chicago, Ill., and Norman R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application August 7, 1947, Serial No. 767,352
3 Claims. (Cl. 23—14.5)

1. A process for production of neptunium oxysulfide having the formula NpOS, which comprises contacting neptunium dioxide with a mixture of hydrogen sulfide and carbon disulfide for a short period of time at a temperature between 700 and 1500° C.

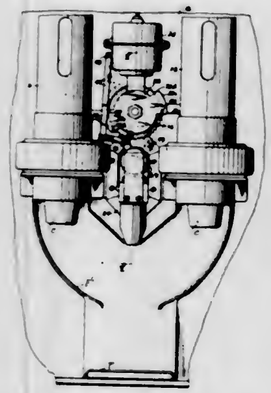
2,545,613
WINCH CONSTRUCTION
Nils Gabel, Stockholm, Sweden
Application January 22, 1948, Serial No. 3,692
6 Claims. (Cl. 254—150)

2. A winch comprising a base having a central fixed shaft portion, a winding drum freely rotatable upon said shaft portion, a control wheel unidirectionally rotatable upon said shaft portion and having a hub portion defining a recess between said hub and said shaft, pivoted braking elements disposed in said recess, a spring member for retaining said braking elements within said recess, each of said braking elements presenting an operative cam surface for wedging action between said hub and said fixed shaft to prevent counter-rotation of said control wheel, and releasable locking means cooperating between said control wheel and said winding drum for selectively engaging and disengaging said winding drum from operative connection with



said control wheel, whereby to maintain said winding drum under load and prevent unwinding upon the removal of the force applied to the engaged control wheel unless said locking means is released.

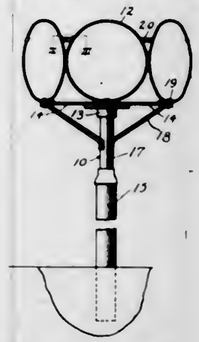
2,545,614
MULTIBEVERAGE VENDING MACHINE
Joseph H. Goldberg, Chicago, Ill., assignor to Drink-O-Matic Co., Chicago, Ill., a partnership
Application July 18, 1945, Serial No. 605,679
3 Claims. (Cl. 225—21)



1. In a drink dispensing apparatus a valve unit having a rockable measuring valve with a measuring chamber therein, a dump chamber, a charged water valve and a dispensing valve for emptying said dump chamber, an electric motor driven cam having abutment means for rocking said measuring valve, lug means for returning the rocked measuring valve to initial position, and cams on said measuring valve for actuating the charged water valve and the dispensing valve to open said valves when the measuring valve is in rocked position.

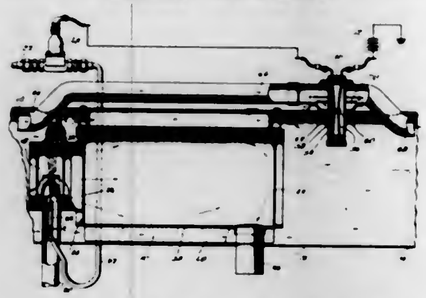
2,545,615
AERIAL PROJECTILE GAME GOAL
Fred J. Hatley, Maywood, Ill.
Application March 8, 1946, Serial No. 653,090
5 Claims. (Cl. 273—105)

1. In combination in apparatus for playing a ball game, a supporting head, a plurality of upright goal rings facing in respectively different directions, means for securing the goal rings to the head, and means for securing the proximate



sides of the goal rings together for mutual upright support.

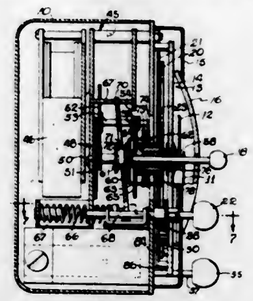
2,545,616
HEATER
Seymour E. Heymann, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 9, 1946, Serial No. 646,643
5 Claims. (Cl. 236—10)



2. Apparatus of the class described comprising a duct supplied with air from a suitable source, an internal combustion heater located in said duct for heating air flowing in said duct, a bypass for unheated air around said heater, a fuel supply pipe for said heater, means for varying the flow of fuel in said pipe and a single switch for controlling said means, said switch having a part located in said bypass and exposed to unheated air flowing therethrough and a second part located in said duct and exposed to air heated by said heater, and means for shifting said switch to vary the relative influences of heated and unheated air thereon.

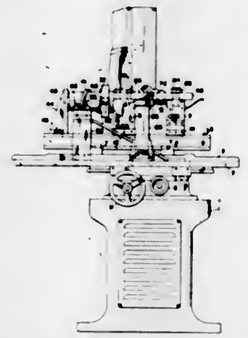
2,545,617
TIMER MECHANISM
Martin H. Kaefer, Thomaston, and Everett S. Bassett, Waterbury, Conn., assignors to General Time Corporation, a corporation of Delaware
Application June 19, 1946, Serial No. 677,687
13 Claims. (Cl. 161—1)

1. A timing mechanism comprising a time driven rotatable member, an eccentrically disposed detent mounted for rotation therewith, means biasing said detent for axial movement, a start disc mounted coaxially with said rotatable member in the path of biased movement of said detent and having an aperture to receive said detent in rotative engagement upon rotational movement of said detent into registry therewith so that said disc is rotated by said time driven member, a stop disc mounted coaxially with said start disc and having an aperture to receive said



detent upon additional rotation thereof, a switch, an operator for said switch, said switch operator being coupled to said detent and responsive to successive movement thereof for operating said switch.

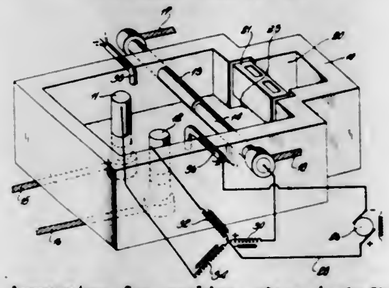
2,545,618
GRINDING MACHINE ATTACHMENT
Stanley J. Kopec, Detroit, Mich.
Application August 17, 1946, Serial No. 691,232
2 Claims. (Cl. 51—95)



1. A device of the class described comprising a frame, a grinding wheel mounted on said frame, a headstock and tailstock, a shaft journalled in said headstock, a longitudinally and transversely movable table on said frame supporting said headstock and tailstock, means for moving said table, means for holding a workpiece between said shaft in said headstock and said tailstock, a cylindrical member having a helical tooth of predetermined lead angle rotatable with and attached to the end of said shaft, adjustable opposed wheels disposed on opposite sides of said tooth, a stationary support on said frame supporting said wheels, a U-shaped guide frame having the legs thereof attached to said headstock and said tailstock respectively and the outer frame member thereof parallel to the line of longitudinal movement of said headstock and tailstock, opposed wheels disposed on opposite sides of said outer frame member of said U-shaped frame guiding said guide frame and said headstock and tailstock attached thereto in their longitudinal movement, and a support on said frame supporting said last mentioned wheels, said helical tooth passing between

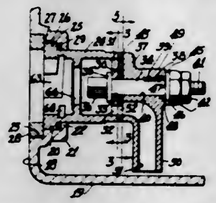
the wheels engaged therewith upon longitudinal movement of said shaft whereby a workpiece held between said headstock and tailstock is rotated a predetermined amount.

2,545,619
ELECTRIC GLASS FURNACE
Roger Emile Lambert, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application August 5, 1947, Serial No. 766,262
In France August 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 11, 1963
3 Claims. (Cl. 13—6)



1. Apparatus for making glass including a furnace, graphite electrodes for the introduction of alternating current to the glass bath, a source of alternating current electrically connected to said electrodes, and circuit means to supply constant direct current to said electrodes acting as anodes, said direct current circuit containing choking means against the passage of alternating current.

2,545,620
TAPPING DEVICE FOR LIQUID-CONTAINING VESSELS
George Lamoureux, Worcester, Mass.
Application February 26, 1947, Serial No. 731,104
3 Claims. (Cl. 222—464)



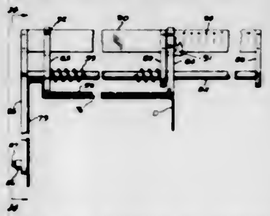
3. The combination with a liquid container having a tapping hole disposed in a side wall adjacent the bottom portion thereof, of a sleeve adapted to be applied to said tapping hole, a key rotatably mounted within and axially of said sleeve, coupling means provided within said sleeve, a draw-off member having complementary coupling means and adapted to be rotated in one direction for locking and in an opposite direction for unlocking the same to and from said sleeve, means carried by said draw-off member for engaging said key so as to rotate the same in synchronism with said draw-off member; a valve member mounted upon and turnable with said key from a closed to an open position as said draw-off member is rotated from its unlocked to its locked position, and an elongated hollow tube projecting from said valve and radially of said sleeve so as to project a substantial distance beyond the confines of said sleeve, said hollow tube being in communication with said sleeve, and having its free end portion disposed immediately adjacent the bottom portion of said container whenever said valve is in its open position.

2,545,621
RUFFLE AND LACE DOILY ATTACHMENT FOR IRONS
Mary E. Langdon, Sterling, Ill., now by marriage Mary Elma Link
Application October 3, 1947, Serial No. 777,619
1 Claim. (Cl. 38—81)



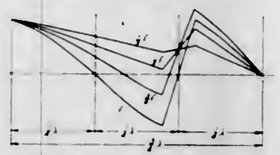
An attachment for an iron body comprising an adapter jacket for exteriorly enclosing all but the top portion of the body of an iron, said jacket being made up of complemental separably connected front and rear sections, said sections having flat bottom portions and upstanding marginal walls to wholly encase the major portion of the body of the iron, said front section being relatively large and having a blunt nose portion for safe piloting contact with ruffles, lace-like and other delicate fabrics, said rear section being relatively small and having spring fingers engageable with coacting portions on said front section to separably join the two sections in end to end contact and the upstanding walls on both sections being concavoconvex in cross-section with the convex surfaces facing outwardly, the upper edges of said walls being inturned and adapted to directly contact and snugly conform to and surround said iron body in heat trapping and retaining relationship.

2,545,622
APPARATUS FOR MEASURING DEPTH BY STEREOSCOPIC VIEWS
Le Roy J. Leishman, Los Angeles, Calif.
Application June 9, 1945, Serial No. 598,447
3 Claims. (Cl. 250—60)



1. In a stereoscopic apparatus, means for measuring the position of actual objects by means of stereoscopic images of said objects, said means including: a rotatable shaft; an arm keyed to said shaft; a pointer pivoted to said arm at a point intermediate the pointer's ends; means constraining one end of said pointer to move in a definite path extending generally at right angles to said shaft; a calibrated scale; an indicator adapted to cooperate with said scale; and means for producing relative movement between said indicator and scale upon rotation of said shaft.

2,545,623
FREQUENCY MODULATION SYSTEM
Kenneth R. MacKenzie, Pacific Palisades, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 17, 1948, Serial No. 44,788
5 Claims. (Cl. 250—36)



1. In a cyclotron accelerating system comprising a three-quarter wave length transmission line including an inner and outer conductor shorted at one end, a set of electrodes attached to the unshorted end of said three-quarter wave length transmission line, a second set of grounded electrodes positioned adjacent to said first set of electrodes and spaced apart to form accelerating gaps, a variable capacitor in series with said inner conductor one-quarter wave length from said shorted end, an oscillator tube having at least an anode, control grid, and cathode, said grid being directly connected to said outer conductor, an anode transmission line connected between said inner conductor and said anode, and a cathode transmission line connected at one end to said cathode and at the other end to the inner surface of said outer conductor thereby providing a coupling loop between said conductors.

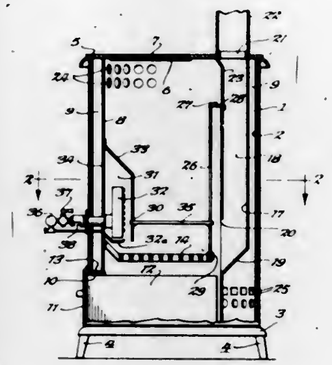
2,545,624
ROTATABLE PERFORATED TOP WITH AGITATOR FOR POWDER CANS
John J. Mackert, Detroit, Mich.
Application October 29, 1946, Serial No. 706,381
4 Claims. (Cl. 222—242)



1. In a powder can, a spout having a discharge opening, a closure for the spout, said closure comprising an inner rotary section having an opening adapted to register with the discharge opening of the spout, and a substantially triangular inclined agitator blade connected at one of its ends with the inner rotary section the opposite end of the blade being free and adapted to pick up and direct the powder towards the discharge opening as the inner section is rotated, and means for rotating the inner rotary section and blade.

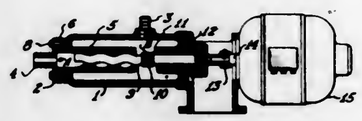
2,545,625
INCINERATOR
John P. McKinley, Buffalo, N. Y.
Application February 25, 1946, Serial No. 649,942
5 Claims. (Cl. 110—18)

5. An incinerator comprising a refuse receiving casing having a chamber with a grate at its lower end and a grille-like side wall for a substantial distance upwardly from the grate, an exhaust flue having an inlet opening adjacent and facing said grille-like side wall, said inlet opening being substantially above said grate, said casing having a main air inlet near its upper end and a limited



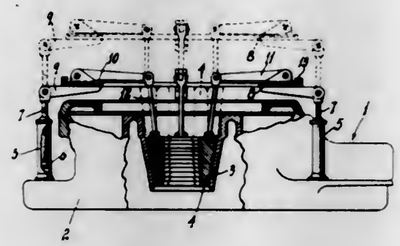
air inlet just above said grate and about opposite said flue inlet opening, whereby movement of air and gases horizontally through the portion of the refuse immediately above the grate from the limited air inlet to the main flue inlet will dehydrate it preparatory to burning.

2,545,626
SPIRAL GEAR PUMP AND ALLIED DEVICE
René Joseph Louis Moineau, Paris, France; Adele Moineau, administratrix of said René Joseph Louis Moineau, deceased, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application October 2, 1947, Serial No. 777,431
In France December 17, 1946
15 Claims. (Cl. 103—117)



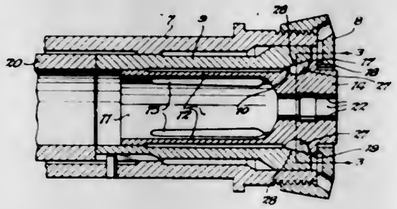
1. In a machine having two spiral elements one inside the other, the outer element having one spiral thread more than the inner element, each thread of which is constantly in contact in each transverse section with the outer element, the pitches of the threads for each transverse cross section of the elements being in the ratio of the numbers of teeth, a casing in which said elements are mounted, a drive shaft for said inner element rotatable on a fixed axis, a single articulating driving connection between said drive shaft and said inner element, and a single articulating mounting for said outer element at the opposite end from the articulation point of said inner element, so that each of said elements is free to move in a conical path, the apices of said conical paths being oppositely directed relative to each other, and the axes of said outer and inner elements being at all times parallel to each other.

2,545,627
SLIP ACTUATOR FOR ROTARY DRILLING MACHINES
George Waldo Moore, Long Beach, Calif.
Application January 15, 1946, Serial No. 641,272
4 Claims. (Cl. 255—23)



1. In combination with a rotary drilling table, a stationary main frame on which said table is rotatably supported, a rotatable slip seat integrally formed with said table and positioned in the center of said table, slips positioned on said seat, a plurality of vertical power cylinders fixedly mounted on said frame and adjacent the periphery of the frame, a piston rod in each power cylinder, an annular track above said drilling table, and concentric with said slip seat, said piston rods supporting the annular track, a slip ring slidably mounted on the track, links mounted on the slip ring and extending inwardly and downwardly from said slip ring and attached to said pipe engaging slips.

2,545,628
COLLET
James R. O'Connell, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application January 9, 1947, Serial No. 720,957
11 Claims. (Cl. 279—50)



7. In a work gripping construction including a collet member having a plurality of jaws movable toward and from each other and each having inner work gripping surfaces and outer tapering surfaces, a cooperating member within which said collet member cooperates and which has an inner tapering surface for causing said jaws to move toward and from each other by relative lengthwise movement of said members, that improvement which includes bearing pieces on said collet jaws which project beyond the tapering surfaces of said jaws, and having faces for engaging with the tapering surface of said cooperating member, and mounted to move relatively to said jaws to enable said faces of said bearing pieces to aline themselves with the tapering surface of the cooperating member.

2,545,629
FUSED ELECTRODE ASSEMBLY
John W. Posey and Glen L. Weimer, Elkhart, Ind., assignors to Durakool, Inc., Elkhart, Ind., a corporation of Indiana
Application August 26, 1949, Serial No. 112,608
3 Claims. (Cl. 200—152)



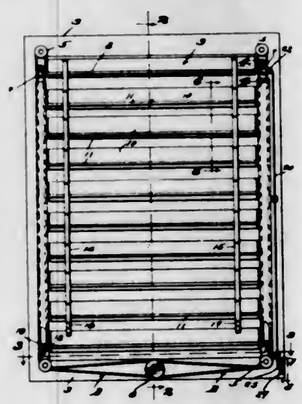
1. In an electrode assembly for mercury switches or relays of the type adapted to be inserted as a unit in the open end of a tubular metal shell adapted to carry a body of mercury, an outer metal sleeve, an annular flange connected with said sleeve and adapted to be welded to the abutting open end of said shell, an annular frustro-conical eyelet connected to said sleeve and projecting from said sleeve in an opposite sense to said flange, a cylindrical ceramic insulator insertable within said sleeve, an electrode insertable in said ceramic having a cup portion adapted to mate with a cylindrical opening centrally disposed at one end of said ceramic and a solid shank portion rigidly attached to said cup portion and extending axially therefrom; and a sealing glass bead adapted to seal and bond said sleeve to said ceramic, said ceramic to said electrode, and said eyelet to said ceramic and electrode whereby a rigid, rugged and gas tight electrode assembly is provided.

2,545,630
JAW FACE FOR PIPE TONGS
James P. Ratigan, Los Angeles, Calif., assignor to J. P. Ratigan, Inc., Los Angeles, Calif., a corporation of California
Application October 14, 1947, Serial No. 779,795
1 Claim. (Cl. 81—186)



A pipe wrench comprising: a cast handle member including a slotted head portion; a cast jaw member pivoted to the handle member at the slot so as to define a pipe retaining cavity between the head portion and the jaw member; an angular slot disposed in the head portion and the jaw member and having an edge opening on the cavity and each slot having open ends; angular bits inserted in the slots and having an angular configuration corresponding to that of the slots so that an edge will project outwardly into the cavity; cast bosses formed adjacent each end of each cavity and having threads formed thereon; a solid nut threaded on the bosses at one end of each slot; and a slotted nut threaded on the bosses at the other end of each slot, whereby the slotted nut may be rotated to align its slot with the bit receiving slot and may be tightened on the boss to cause a solid portion to overlie the bit retaining slot so as to lock the bit therein.

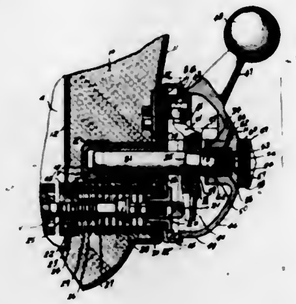
2,545,631
COMBINATION SCREEN AND SLATTED BLIND FOR WINDOWS
Frank C. Ribley, North Troy, N. Y.
Application September 23, 1946, Serial No. 698,653
1 Claim. (Cl. 160—107)



A combination screen and slatted blind for windows comprising a rectangular screen frame; shaft bearings mounted on opposite sides of the frame near the upper end thereof; a shaft journaled in said bearings and extending across the upper end of said frame; a top slat secured to said shaft for rocking therewith; a lower shaft extending across the lower end of the screen frame and free of connections to said frame; a lower slat secured to said lower shaft for rocking therewith; tapes connecting said slats; a plurality of intermediate slats spaced over the distance between said first-named slats and connected to the tapes; a pair of upper and a pair of lower pulleys rotatably mounted at the upper and lower corners of the screen frame respectively; an operating pulley rotatably mounted at the lower end of the screen frame and disposed midway between the lower corner pulleys; and a pair of blind cords, each cord being secured at one end to one end of the lower shaft and being trained upwardly from said lower shaft along a side of the screen frame over one of the upper corner pulleys and extending downwardly from said upper corner pulley around one of the lower corner pulleys and being wound upon the operating pulley.

2,545,632
VALVE ACTUATING MECHANISM
Frank E. Sanborn, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1946, Serial No. 711,487
9 Claims. (Cl. 74—99)

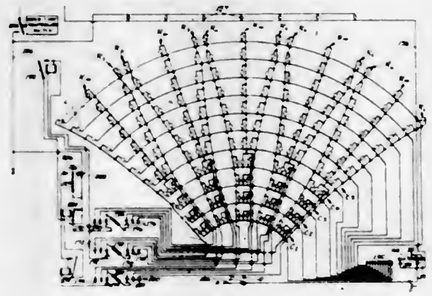
1. Valve actuating means including a reciprocable valve stem, spring means for urging said stem in one direction, a handle oscillatable in a plane at right angles to the direction of stem movement, a camming surface on said handle, a substantially vertically disposed member guided at its upper end to rock and having its lower end against said stem and being operative by oscillation of the camming surface of the handle to move said stem in an opposite direction against the action of said spring.



2,545,633
PREPARATION OF LITHIUM BOROHYDRIDE
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application October 16, 1945, Serial No. 622,686
7 Claims. (Cl. 23—14)

1. A process of preparing lithium borohydride which comprises reacting diborane and lithium hydride.

2,545,634
PATH INDICATOR DEVICE FOR GOLF PRACTICE MACHINES
Harvey R. Smith, Ann Arbor, Mich.
Application February 16, 1948, Serial No. 8,642
5 Claims. (Cl. 177—384)



4. Golf ball path-indicator means comprising a flared bank of indicator lights including at least three angularly spaced radial groups of lines of lights, each such group including a substantially straight line of lights and at each side thereof a curved line of lights, the convex sides of such curved lines being adjacent to the straight line and such curved lines diverging progressively away from said straight line substantially from one end of the line group to the other, each group of lines of lights representing the general course direction of an indicated golf ball flight path, and the curved lines of each such group representing hook and slice curvature, respectively, in such general course direction and the straight line representing approximately linear travel in such general course direction, energizing

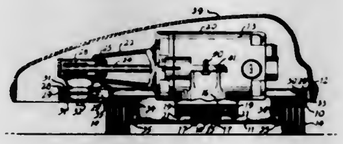
circuit means adapted to energize said indicator lights, direction switching means operable to connect in said circuit selectively one group of indicator lights corresponding to a general course direction to be indicated, hook-and-slice switching means operable to complete one side of the energizing circuit for only the line of lights in said selected group corresponding to the flight path curvature to be indicated, and distance switching means operable to complete the opposite side of the energizing circuit for only the lights in the selected line out to the desired distance to be indicated.

2,545,635

ROTARY FLOOR POLISHING MACHINE HAVING HORIZONTALLY POSITIONED MOTOR

James P. Steibel, Racine, Wis., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin

Application April 17, 1948, Serial No. 21,594
1 Claim. (Cl. 15—49)



A rotary floor polishing machine comprising, a motor having a housing and a horizontally extending shaft, a rotary structure journalled on said motor housing at the bottom thereof for rotation on a vertical axis, said rotary structure having portions extending upwardly outwardly of the sides of said motor housing to a level above the bottom thereof, an annular brush arranged concentrically about said axis and secured to said upwardly extending portions above the bottom of said motor housing, said brush having bristles extending downwardly from an upper level above the bottom of said rotary structure to a level below said motor and rotary structure and outwardly of the latter, and drive means connecting said horizontal shaft and rotary structure radially outwardly of said motor and above the said bottom of said motor, said upwardly extending portions of said rotary structure terminating in an outwardly extending flange overlying the top surface of said annular brush, the said flange having a portion spaced from the said top surface and defining therewith a peripheral groove to receive a drive belt constituting an element of said drive means.

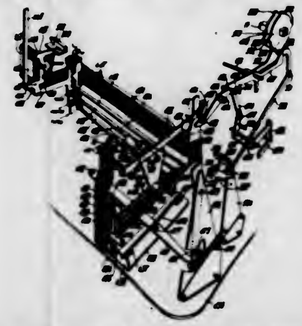
2,545,636

PRINTING AND PUNCHING MEANS FOR ACCOUNTING MACHINES

Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware

Original application June 24, 1941, Serial No. 399,461. Divided and this application August 20, 1945, Serial No. 611,539
10 Claims. (Cl. 235—60.13)

4. In a machine of the class described, two sets of amount keys and two sets of type bars controlled respectively from said sets of keys for entering and printing amounts involved in an accounting transaction, the amounts including a result amount and component amounts from which the result has been computed, a crossfooter to receive amounts entered and printed by both sets of keys and type bars and means controlled by the crossfooter for signaling the



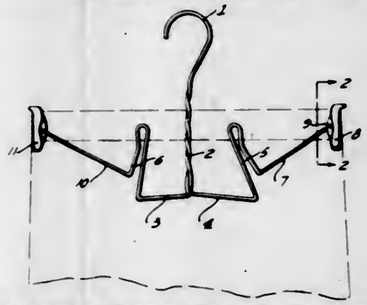
operator of the correctness of the amounts indexed and of the accuracy of the computation.

2,545,637

GARMENT HANGER

George M. Tibbitts, Santa Ana, Calif.

Application April 9, 1949, Serial No. 86,507
2 Claims. (Cl. 223—95)



1. A garment hanger formed of spring wire and comprising an upwardly extending hook, a pair of laterally extending and centrally positioned links projecting from a shank portion of the hook said links being positioned in substantially the same plane, a loop formed on the outer end of each of said links, and an upwardly and outwardly extending finger projecting from each of said loops, and a foot on the outer end of each of said fingers, said feet engaging the garment to be suspended.

2,545,638

PORTABLE PAINT MASK

Samuel Wheatley, Kansas City, Mo.

Application February 7, 1949, Serial No. 75,001
3 Claims. (Cl. 91—65)



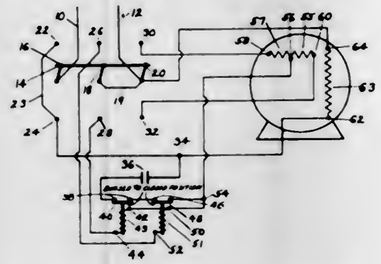
1. A portable mask comprising a planar blade, a pair of spaced-apart rollers parallel to the forward edge of said blade and carried for rotation by said blade adjacent the rearward edge thereof, frictional means resisting rotation of said rollers, and a strip of flexible material having its end portions wound respectively on said rollers and its intermediate portion lying against each side of said blade and passing around the forward edge thereof.

2,545,639

REVERSING CONTROL FOR DYNAMO-ELECTRIC MACHINES

Samuel S. Wolff, Clayton, and Stanley Witt, St. Louis, Mo., assignors to Century Electric Company, a corporation of Missouri

Application November 6, 1946, Serial No. 708,018
11 Claims. (Cl. 318—207)



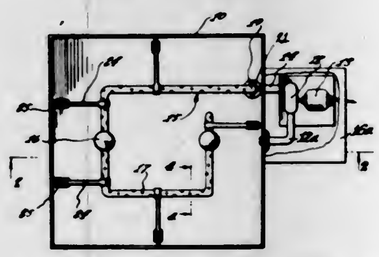
1. A control circuit for a reversible, single phase motor that comprises a control switch, a main winding, a phase winding, a pair of relays having their contacts connected in series between said switch and said phase winding, one end of each of said relays being connected continuously to said phase winding, the other end of one of said relays being connected to said phase winding by one contact of said control switch and the other end of said other relay being connected to said phase winding by a second contact of said control switch, said control switch and the contacts of said relays normally connecting one or the other of the coils of said relays in parallel with said phase winding whenever said relay contacts are closed and the control switch is in an "on" position, one or the other of said relay coils being in a closed series circuit with said phase winding whenever any of said relay contacts are open, said switch being adapted to effect relative reversal of current flow between the phase and main windings, said contacts of said switch being spaced apart so that shifting of said switch will disconnect the previously energized relay coil from the line and from said phase winding and will permit energization of the previously unenergized relay coil.

2,545,640

FIRE EXTINGUISHING METHOD AND APPARATUS

David D. Aitken, Danville, Ill.

Application April 6, 1948, Serial No. 19,255
7 Claims. (Cl. 169—4)



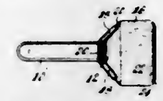
1. A fire preventing and extinguishing apparatus for tanks containing combustible fluids comprising a pump device having a connection with the bottom of the tank to extract cold portions of the fluid therefrom, an outlet pipe connected with the tank and with the pump and having a spray head thereon for delivering the cold fluid to adjacent the surface of the fluid and into the space immediately thereabove.

2,545,641

SASH AND TRIM PAINTER

Russell E. Allen and Frank A. Murphy, Des Moines, Iowa

Application February 20, 1947, Serial No. 729,798
1 Claim. (Cl. 15—160)



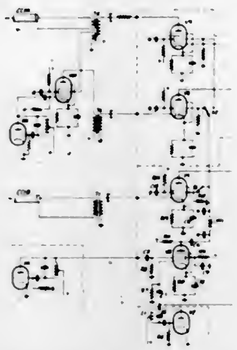
In a sash and trim painter, a handle, a back plate having angularly related edges supported thereby, a paid of absorbent material on said back plate, said handle being arranged at an obtuse angle to the back plate and at one edge thereof, a guide flange along the edge of the backing plate opposite said handle, said guide flange being arranged at an obtuse angle to said back plate and having chamfered ends permitting the absorbent pad to extend all the way to the end of a putty strip of a window sash or the like.

2,545,642

FINDER FOR AUTOMATIC CARRIER TELEPHONE SYSTEMS

Guy Ffarington Bellairs, London, and John Charles Ireland, Tunbridge Wells, England, assignors to British Telecommunications Research Limited, Taplow, England, a British company

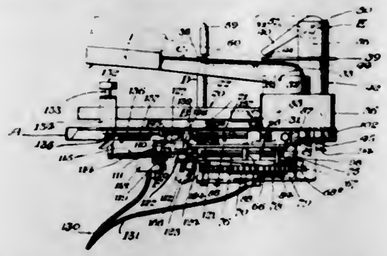
Application January 24, 1948, Serial No. 4,145
In Great Britain January 27, 1947
14 Claims. (Cl. 179—15)



6. In a telecommunication system an arrangement for hunting over a plurality of communication channels wherein the condition of a channel is indicated by waves having frequencies assigned exclusively to said channel comprising a wave testing device which responds to a wave on a communication channel indicating a busy condition, a second wave testing device which responds to a wave on a communication channel indicating a calling condition, means for enabling both said wave testing devices to test the "go" and "return" sides of a communication channel substantially simultaneously and means operable when the second wave testing device is operated

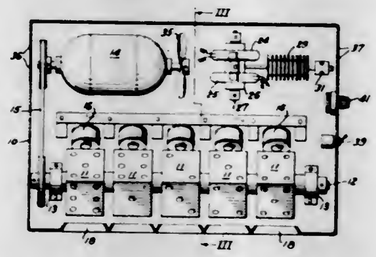
and the first wave testing device is unoperated for selecting and setting up a connection to the selected communication channel.

2,545,643
RECORD CHANGER PHONOGRAPH
Kenneth R. Bender, Elizabeth, N. J., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application November 29, 1944, Serial No. 565,588
19 Claims. (Cl. 274—10)



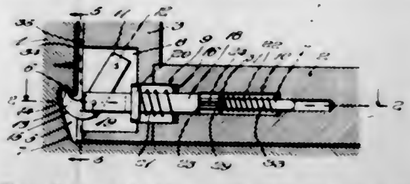
1. In a record changer phonograph having a turntable, a magazine, a tone arm, and a motor for operating the phonograph, an electric switch for the motor, means for operating the switch to "on" and "off" positions, a sweep arm fixed to the tone arm and oscillatable therewith, a stop member movable from an inactive position to intercept and stop the sweep arm on the inward sweep of the tone arm in at least the following two tone arm positions: an initial and stop position corresponding to no record being present in the magazine and a record starting position corresponding to a record being present in the magazine, the sweep arm having a part engageable with the switch operating means for actuating the latter during movement of the sweep arm, and the stop member having a part engageable with the switch operating means for actuating the latter during movement of the stop member.

2,545,644
ROTATING DISK GAME DEVICE
Alfred C. Benton and John F. Schmidt, Jr., San Francisco, Calif.
Application May 26, 1947, Serial No. 750,594
1 Claim. (Cl. 273—143)



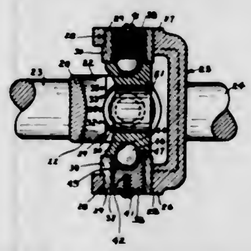
A game device comprising a plurality of spinners mounted for rotation on a common shaft and having peripherally arranged character bearing faces, a motor for rotating the shaft, a fluid drive connection between the shaft and each spinner, spaced members of magnetic material carried by each spinner, an electro-magnet adjacent each spinner for stopping it by attraction of one of said members, and means for alternately energizing the motor and the electro-magnets, said means comprising a motor switch and a magnet switch, a thermo-sensitive element connected with the switches for closing one switch when the element is subjected to high temperature and the other switch when the element is subjected to low temperature, a heater adjacent the thermo-sensitive element and in circuit with the electro-magnets, and a cooling fan actuated by the motor and positioned to direct a cooling draft over the thermo-sensitive element.

2,545,645
WINDOW LOCK
William M. Blakely, Fort Bragg, N. C.
Application November 7, 1945, Serial No. 627,180
3 Claims. (Cl. 292—127)



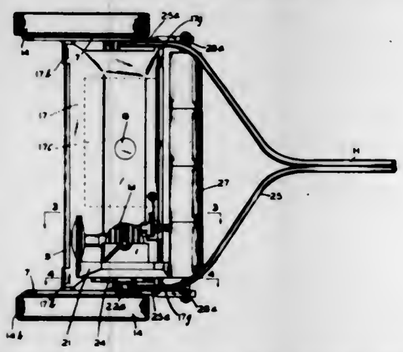
1. For use with a sash frame having a side stile provided with a keeper, a sliding sash, a latch on the sash rail movable into and out of the plane of the sash to keeper disengaging and engaging positions, said latch being pivotally mounted in the sash and having a hook portion extending below the pivot point and engageable with the keeper when disposed in register therewith and adapted for running contact with the frame when out of register with the keeper to hold the latch retracted, a sliding rod within the sash pivoted to the latch below the first named pivot point, resilient means acting on the rod for projecting the latch into engagement with the keeper when coming into register therewith, manual means operable on the rod and slidable with reference to the sash for moving the latch out of engagement with the keeper, and resilient means for returning the manual rod operating means to normal position on release thereof.

2,545,646
UNIVERSAL JOINT
John W. Blinkman, Omaha, Nebr.
Application February 28, 1947, Serial No. 731,669
1 Claim. (Cl. 64—17)



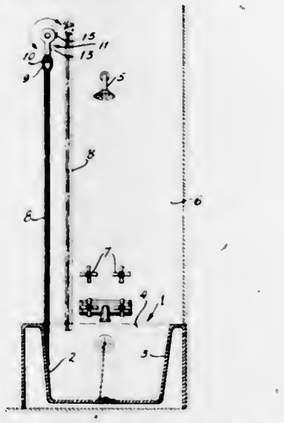
In a universal joint, the combination which comprises a driving shaft having a C-shape yoke with spaced parallel arms extended from a straight back section thereof on the end with the arms extended beyond the end of the shaft, a driven shaft having a C-shape yoke with spaced parallel arms extended from a straight back section on the end thereof and positioned with the arms extended beyond the end of the said driven shaft, the arms of the said yokes having aligned bores therethrough and the axis of the bores of the arms of the yoke of the driven shaft being positioned at right angles to the axis of the bores of the arms of the yoke of the driving shaft, a rectangular-shape block positioned between the said parallel arms of the yokes, said block having recesses in the edges positioned between wings at the corners and the end surfaces of the wings forming the walls of the recesses being formed on radii the centers of which are positioned on the axes of the bores of the said parallel arms of the yokes, the end surfaces of edges of the block forming the bases of the said recesses having semi-spherical sockets therein the centers of which are also positioned on the axes of the bores of the arms of the yokes, internally threaded bushings with collars on the inner ends positioned in the said bores in the arms of the yokes, socket plugs threaded in said bushings and having semi-spherical sockets in the inner ends positioned to coact with the similarly shaped recesses in the edges of the said block, balls positioned between the arms of the yokes and block with parts thereof in the semi-spherical recesses of the block and parts in the sockets of the socket plugs, means limiting turning movement of the said bushings, and means limiting turning movement of the said socket plugs in the bushings, the said collars on the inner ends of the bushings being positioned in the recesses in the edges of the block with the peripheral surfaces thereof in engagement with the said end surfaces of the wings of the block whereby the said bushings provide journaling means between the arms of the yokes and block.

2,545,647
POWER LAWN MOWER
Buhel B. Buckingham and Ralph K. Viles, Minneapolis, Minn.
Application June 16, 1947, Serial No. 754,950
5 Claims. (Cl. 56—26)



1. A removable power unit and driving control assembly for power lawn mowers of the cutter reel type comprising a motor-supporting platform having provision adjacent its forward edge for swingable connection with the forward tie rod of a lawn mower frame and adapted to be positioned across the top of said frame above the cutter reel, a motor and a fuel tank mounted on said platform, said motor having a power vertical belt pulley adjacent one end of said platform and being adapted to be connected for directly driving the cutter reel of a lawn mower through an endless driving member, said platform having a rearwardly disposed free edge positioned rearwardly of the rear tie rod of said mower frame and having an outwardly extending abutment element adjacent said rear edge disposed in the path of the guiding handle of said lawn mower for contact therewith during at least a portion of the swinging arc of said handle and spring mechanism connected with the bottom of said platform and adapted to be interposed between said platform and a part of said mower frame to urge said platform upwardly when pressure of said handle is released and to thereby tension said endless element for driving said cutter reel, said spring mechanism being tensioned relative to the weight and leverage of the outer portion of said handle rearwardly beyond said abutment element so that normally the leverage of said handle will overcome the effect of said spring to lower said motor platform to an extent to cause slackening of the belt driving element and idling of the motor.

2,545,648
SHOWER CURTAIN SUPPORT
Mark C. Byrne, St. Louis, Mo.
Application October 8, 1947, Serial No. 778,536
2 Claims. (Cl. 4—149)

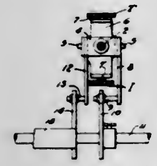


1. In combination, a bath tub having a side wall, bracket bases substantially directly above the ends of said side wall, a swinging member pivoted to each of said bases, a support extending between the swinging ends of said members, a shower curtain suspended therefrom, said swinging member being movable between a position in which said swinging member is suspended substantially vertically from said base member, and the lower end of the curtain contacts the inner face of said wall, and a position in which said swinging member is inclined from the bracket upwardly and inwardly of the tub and the lower end of the curtain is raised relative to and moved inwardly from said wall, and a projecting element on one of said members engaging the other member and maintaining said swinging member in the latter position.

2,545,649
MULTIFUNCTION CONTROL KEY
Natale Capellaro, Milan, Italy, assignor to Ing. C. Olivetti & C. S. p. A.
Application July 22, 1949, Serial No. 106,150
In Italy August 31, 1948
11 Claims. (Cl. 235—145)

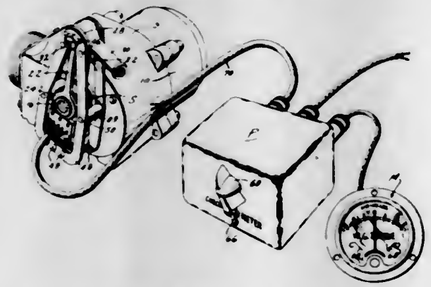
1. In a hand driven computing machine, the combination of: a machine frame, a bail rock-

ably mounted upon said frame, a second bail rockably mounted upon the first named bail along an axis forming an angle of 90° with the rocking axis of the first bail, a setting key secured to said second named bail, a plate, a cross-shaped window in said plate, having its two axes parallel with said two rocking axes, said setting key sliding in said window, normally resting at its centre and being settable into the directions of the four arms of said cross, a double projecting lever, connecting means for connecting said first named bail with said lever, a machine function actuat-



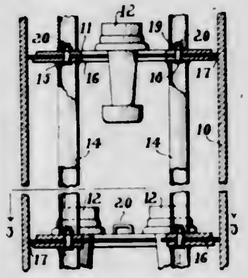
ing means associated to each projection of and selectively operable by said lever, a further double projecting lever, connecting means for connecting said second named bail with the last named lever, and a further machine function actuating means associated to each projection of and selectively operable by the last named lever, each double projecting lever being movable by the corresponding bail, whereby, in response to the selective setting of said setting key into the four arms of said cross four machine function actuating means are selectively operable.

2,545,650
TORQUE INDICATOR
Alex B. Chudyk, Hopkins, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 3, 1944, Serial No. 543,300
14 Claims. (Cl. 73—136)



1. In a torque indicator of the character disclosed, a spring arm having a hub for attachment to a shaft, the torque of which is to be measured, said arm having on its outer end a head, a connection between said head and a device to which torque is applied by said shaft, and sensing means comprising a pair of relatively movable sensing elements, one of which is an E-shaped core secured to said shaft, and the other of which is an armature secured to said head and movable relative to said core, an exciter coil on the center leg of said E-shaped core, a pair of pick-up coils, one on each of the other legs of said core, and means for supporting said armature in rigid relation to said head whereby flexing of said arm in response to torque changes results in rotation of said head in relation to said shaft, thereby effecting magnified movement of said armature relative to said E-shaped core, and effecting an increase in secondary current in one of said pick-up coils while effecting a decrease in secondary current in the other one.

2,545,651
FRACTIONATING TOWER BUBBLE CAP TRAY
Leland W. T. Cummings, Wyncote, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application November 9, 1946, Serial No. 709,002
6 Claims. (Cl. 261—114)

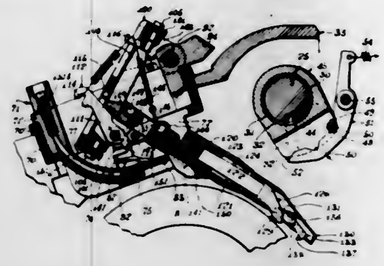


1. A bubble cap tray of prefabricated members for use in a liquid-vapor contact tower comprising a sealing member including an annular flexible gasket seal of slightly larger dimension than the inner periphery of the tower, an upper retaining ring of slightly less dimension than the periphery of said gasket, a lower retaining ring, fastening means to compress said rings in stiffening engagement with the flexible gasket seal thereby rigidly supporting said gasket seal between said rings and leave the annular gasket seal flexibly unsupported for complete peripheral contact with the interior wall of said tower, a tray member for the support of the bubble caps, adapted to peripherally engage the flexible gasket seal; and a stand to vertically and horizontally register said sealing and tray members in spaced relation to like members including a plurality of legs supportable from an adjacent superposed bubble cap tray in cooperation with an annular support adapted to engage the first specified bubble cap tray.

2,545,652
PHONOGRAPH RECORDER AND REPRODUCER
Charles W. Dann, Orange, and Richard M. Somers, West Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 11, 1945, Serial No. 604,316
7 Claims. (Cl. 274—30)

1. In a phonographic translating device adapted for coaction with a record and including a support means: the combination of a translating unit connected to said support means for universal movement relative to the record, means for conditioning said unit for recording and reproducing respectively, means comprising relatively movable elements carried with said support means and said unit respectively and in frictional association with each other for frictionally damping movements of the unit in directions to-

wards and away from the record, and means operable by said conditioning means for effective-



ly associating said damping means with said unit only when the unit is conditioned for recording.

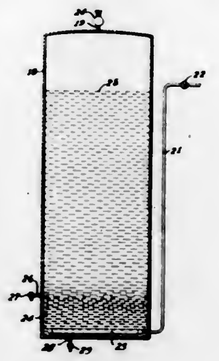
2,545,653
CLAMPING BAND
George B. Desloge, University City, Mo., assignor to Watlow Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 30, 1949, Serial No. 130,310
9 Claims. (Cl. 219—19)



1. A flexible clamping band for a split-ring type electrical heater which has terminals extending radially outward therefrom on opposite sides of a split in the ring, having means at the ends of the band for drawing the band tightly around the heater, and a jumper plate intermediate its ends having an aperture therein for receiving the terminals of the heater without engagement of the terminals by the plate.

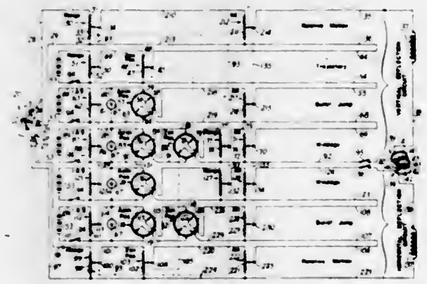
2,545,654
METHOD FOR ABSORBING GASES IN LIQUIDS
Howard Waters Doughty, Amherst, Mass., assignor to Firetox Company, Holyoke, Mass., a corporation of Rhode Island
Application May 28, 1946, Serial No. 672,885
10 Claims. (Cl. 23—193)

1. The method of adsorbing a gas in a liquid which comprises maintaining a superlying body of an absorbing liquid over and in contact with a body of a heavier liquid which is immiscible and chemically non-reactive with the absorbing liquid and which does not appreciably absorb and does not chemically react with said gas, introducing the gas into the heavier liquid below the interface of the two liquids, and passing the gas through the heavier liquid into the absorbing liquid for absorption therein, whereby the heavier liquid acts as a liquid valve to prevent



back flow of the absorbing liquid into the means by which the gas is introduced.

2,545,655
COMPUTER
Irving W. Doyle, Massapequa, and Henry Erwin Hale, Freeport, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Original application March 11, 1941, Serial No. 323,474, now Patent No. 2,399,726, dated May 7, 1946. Divided and this application April 10, 1945, Serial No. 587,500
9 Claims. (Cl. 235—61.5)



1. In apparatus for automatically computing a desired value bearing a predetermined complex relationship to a plurality of variable conditions, in combination, means to create an electric quantity whose value is a function of the instantaneous value of one of said conditions, means to modify the value of said electrical quantity in accordance with variations in one or more of said conditions, means to create a second electrical quantity whose value is independent of said conditions, means to modify said second electrical quantity in accordance with variations in one or more of said conditions, means to combine said modified electrical quantities to produce a third electrical quantity, and means to modify said third quantity by an amount proportional to the rate of change of value of said third electrical quantity thereby to produce an ultimate value bearing the desired complex relationship to said conditions.

2,545,656
MODIFICATION OF PROLAMINS WITH GLYCOLS

John P. Dunne, New York, N. Y., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware

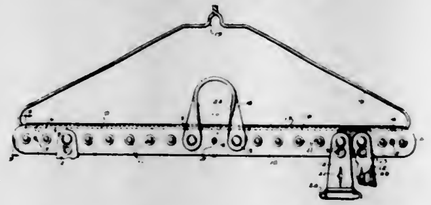
No Drawing. Original application July 19, 1947, Serial No. 762,211. Divided and this application August 17, 1949, Serial No. 110,896
7 Claims. (Cl. 260—123)

1. The method for the modification of a prolamin to increase its miscibility with water which comprises heating the prolamin in admixture with a material selected from the group consisting of glycols and polyglycols which are infinitely miscible with water at 20° C. and polyethylene glycols which are not infinitely miscible with water at 20° C. but which have a molecular weight below about 1600 and a material selected from the group consisting of strong alkalis and compounds which under the reaction conditions decompose to yield strong alkalis, the heating being conducted at a temperature not in excess of 120° C.

2,545,657
GARMENT HANGER

Arthur M. Framke, Chicago, Ill.

Application March 18, 1947, Serial No. 735,355
5 Claims. (Cl. 223—88)



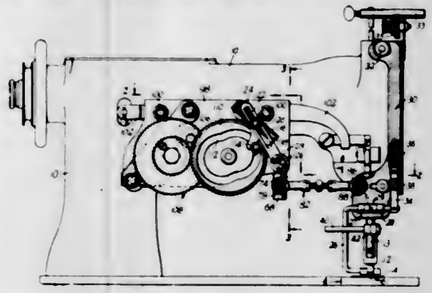
1. A garment hanger of the class described comprising, a bar, a plurality of one part of a two-piece snap fastener arranged on said bar in a row longitudinally thereof, a plurality of garment-suspension elements each having secured thereto the other part of the aforesaid two-piece snap fastener, means on each of said elements for attaching said element to a garment, said bar having a plurality of hooks formed along one edge thereof adapted to support said bar on the cross-bar of a conventional coat hanger, said bar also having apertures formed therein whereby said bar may be anchored to a hook rail or the like, and an inverted stirrup means attached to said bar whereby it may be suspended from a rod.

2,545,658
ZIGZAG SEWING MACHINE ATTACHMENT

Abraham Gellman, New York, and Sidney Diesenhaus, Monsey, N. Y., assignors to Abe Gellman & Company, New York, N. Y., a corporation of New York

Application February 4, 1948, Serial No. 6,128
9 Claims. (Cl. 112—158)

1. An attachment for a sewing machine having a transverse shaft and a needle bar mounted for lateral oscillation by said shaft to cause said machine to sew zigzag stitching, said attachment comprising a cross-head mounted for rotative oscillation about a vertical axis and about a horizontal axis arranged at right angles with respect to one another, driving mechanism actuated by said transverse shaft for oscillating said cross-head about said vertical axis, a cam having a predetermined pattern, linkage mechanism in the rear of said sewing machine interconnecting said cam and said cross-head to cause oscillation of said cross-head about said horizontal axis to be controlled by said cam, driving mechanism for producing relative movement of said cam and said rear linkage mechanism to oscillate said

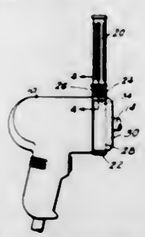


cross-head about said horizontal axis, and further linkage mechanism connected to said cross-head and to said needle bar to transmit to said needle bar the oscillations of said cross-head about both said vertical and horizontal axes to cause said machine to sew zigzag stitching in a pattern bearing a predetermined relation to said predetermined pattern of said cam.

2,545,659
ADJUSTABLE HANDLE FOR TOOLS

Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio

Application May 1, 1946, Serial No. 666,407
3 Claims. (Cl. 16—110)



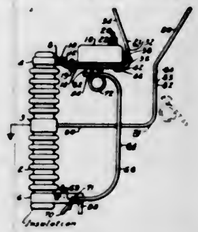
1. For use with a tool comprising a motor having an annular groove therearound and a handle projecting from said motor at a position spaced from said groove, an auxiliary handle comprising a ring rotatably mounted in said groove, a handle element carried by said ring, and means for locking said ring in said groove.

2,545,660
CIRCUIT INTERRUPTER

Howard W. Graybill, Honey Brook, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 23, 1945, Serial No. 630,430
10 Claims. (Cl. 175—294)

1. A circuit protective device, comprising, separable line contacts one of which is mounted for movement into and out of engagement with the other, grounded terminal means having a terminal portion supported adjacent to but spaced from said other contact to form a low resistance surge gap to ground and which is of a length correlated to protect the circuit insulation, and said gap extending adjacent to and in the direction of movement of said movable contact so that the arc



drawn upon separating movement of said movable contact will transfer to the terminals of said surge gap.

2,545,661
FLANGED CONTAINER FOR ELECTRIC CONDENSERS

Bror Olov Nikolaus Hansson, Angby, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application April 23, 1946, Serial No. 664,153
In Sweden May 5, 1945
3 Claims. (Cl. 174—12)

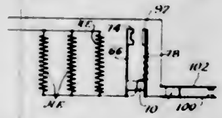


1. A container for an electric condenser, comprising four flat side walls, a circular end portion on each end of the container, a flexible circular cover applied to each end portion, and reinforcing cooling fins secured to the external surfaces of said flat walls.

2,545,662
THERMAL CONTROL

Alfred J. Huck and Charles D. Visos, St. Louis, Mo., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application December 3, 1949, Serial No. 131,007
11 Claims. (Cl. 171—97)

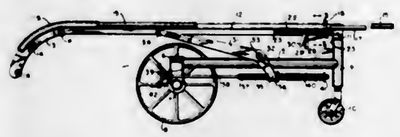


1. In a thermal control of the character disclosed, a bimetal control element, a heater therefor, a latch arm, a latch therefor, said latch arm being adapted to close a circuit for said heater when moved to latched position and terminate a control function when said latch is unlatched therefrom, an impact release spring, a pair of magnetic elements, one carried by said bimetal and the other carried by said impact release spring and positioned relative to each other so that the bimetal when heated will cause its magnetic element to approach the magnetic element of the impact release spring until the elements are mutually attracted, means for rendering said heater for said bimetal inoperative when said magnetic elements are so attracted whereby the bimetal can cool down and carry with it the impact release spring, means to stop the movement of the impact release spring at a cool-down point of the bimetal whereupon further cool-down movement thereof will separate said magnetic elements, said impact release spring being positioned to thereupon engage said latch by the return movement of the spring and the impact thereof against said latch to unlatch it from said latch arm.

2,545,663
APPARATUS FOR INTRODUCING GASES INTO MOLTEN METAL

Arthur R. Hutt, Hopatcong, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application June 26, 1947, Serial No. 757,212
7 Claims. (Cl. 214—18)

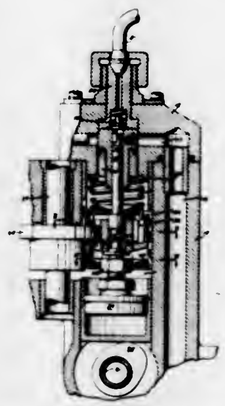


1. An apparatus for placing a fluid supply pipe in proper position to supply fluid to a metallurgical furnace comprising a dirigible chassis, an elongated support for the pipe pivotally mounted on the chassis, a lever means engaging said pipe support at a point remote from its pivot point, actuation of said lever means causing tilting movement of the pipe support about its pivot, and a pipe clutch mounted on said pipe support arranged to selectively grip and advance the pipe along the pipe support.

2,545,664
FUEL INJECTION PUMP MECHANISM

Lloyd E. Johnson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

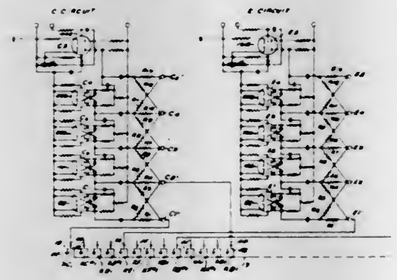
Application April 21, 1947, Serial No. 742,778
7 Claims. (Cl. 123—140)



1. In a fuel injection pump for an internal combustion engine, a pump housing, a pump assembly removably disposed in the housing, means for adjusting the pump including parts carried by the housing and parts carried by the pump assembly and registering with each other, and means to prevent removal or replacement of

the pump assembly except when the registering parts are in a predetermined phase position, and means operable upon removal of the pump assembly to retain said parts carried by the pump assembly in said phase position.

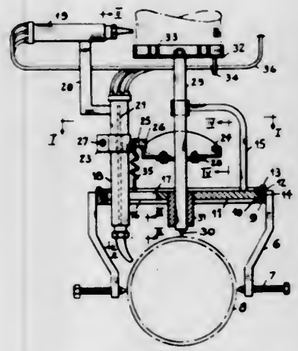
2,545,665
MUSICAL INSTRUMENT
Merwin J. Larsen, Villa Park, Ill., assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill., a corporation of Delaware
Application August 5, 1949, Serial No. 108,706
19 Claims. (Cl. 84—1.19)



1. A musical instrument of the class employing a keyboard, each playing-key of which is provided with a single electric switch which is actuable from an "off" condition when the key is elevated to an "on" condition when the key is lowered; said instrument comprising a plurality of divider circuits, each comprising oscillator stages connected in cascade and including a controlling first stage operating at a given natural frequency and a plurality of controlled stages, said controlling stage and said controlled stages respectively producing output waves at octave separation and each having an output terminal permanently connected to an assigned one of said switches; and impedances in each separate divider circuit, said impedances connecting preassigned stages with preassigned output terminals, whereby the wave impressed on any single terminal and on any single electric switch is the sum of output waves of at least two of said stages.

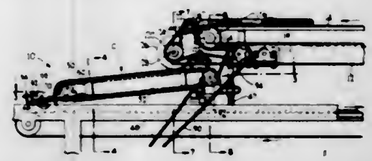
2,545,666
PIPE INTERSECTION BEVEL CUTTING DEVICE
Harald E. Lonngren, New York, N. Y.
Application May 9, 1950, Serial No. 160,932
1 Claim. (Cl. 266—23)

A portable manually operated pipe intersection bevel cutting device, comprising a clamp having a ring body, including a cylindrical shoulder in said body, a hand wheel, concentric with said shoulder, freely disposed in sliding contact with the walls of said shoulder, a retainer ring, secured to the clamp body and in position on the shoulder to axially retain said hand wheel, a handle on said hand wheel, said hand wheel having a tubular hub disposed centrally therein, a central shaft thru said hub and guided thereby, said shaft being provided with two axial pegs at one end and a centering plate having circular ridges corresponding to the outside diameter of the pipes at the other end, a pre-shaped template having the contour of the intersection between the pipes, a collar fixed on said shaft, to which collar said template is anchored concentrically of the shaft, an elongated torch positioned with the body thereof extending thru and slidable in an opening in said hand wheel to revolve therewith, and with the longitudinal axis of the body of said torch extending parallel to the central shaft, a clamp frictionally secured to the body of said torch, a stubshaft secured to said clamp, a roller on said stubshaft in engagement with said template, a helical extension spring attached at one end to said stubshaft with the other end secured



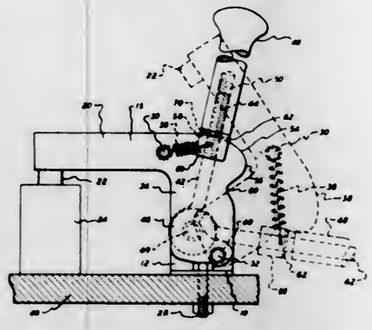
to the hand wheel to bias said stubstaft and clamp toward the handwheel, a second elongated torch secured to and at right angles to said first mentioned torch with the elongated bodies and the tips of both torches in the same vertical plane, a rod fixed at one end to and parallel to the body of the first mentioned torch and slidably extending thru a second opening in the hand wheel for preventing a rotation of said torch around its own axis and restraining the first mentioned torch to reciprocal movement along its axis parallel to the central shaft and said clamp constituting means for securing the device to a pipe.

2,545,667
APPARATUS FOR SEPARATING CLOSELY ADJACENT STRIPS OF DOUGH
Cesare Malnati, Babylon, N. Y.
Application July 26, 1944, Serial No. 546,720
9 Claims. (Cl. 107—22)



1. In a machine of the character described, the combination, with a means for forming sheeted dough into closely adjacent strips, of a transversely resiliently extensible member for receiving the strips, means to move said member away from said strip forming means, and means to transversely stretch said member as it moves away so as to spread articles which are received closely spaced transversely to the movement of the belt.

2,545,668
CLAMPING DEVICE
Henry H. Merriman, Jackson, Mich., assignor to Harry D. Boardman, Jackson, Mich., as trustee
Application August 30, 1944, Serial No. 551,993
2 Claims. (Cl. 90—59)



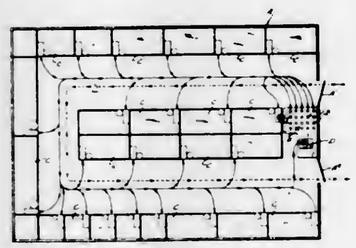
1. A quick acting clamping device comprising a supporting portion, an upright bearing portion on the supporting portion, a substantially L-shaped clamping member swingably mounted at one end on the bearing portion and provided with a pressure pad at its swinging end, said clamping member having a cam surface on the outer side of the swinging end and around the angle of the mounted end, a threaded eye bolt swingably mounted on the upright bearing portion with its threaded end swingable adjacent to the cam surface, a cam follower adjustably movable along the threaded end of the eye bolt and having a portion slidably bearing against the cam surface, and an operating and adjustment handle having a threaded central bore adjustably receiving the threaded end of the eye bolt and provided with a portion bearing against the cam follower whereby rotational movement of the handle will adjust the operative position of the cam follower with respect to the cam surface and swinging movement of said handle will carry the cam follower forwardly and backwardly along the cam surface to move the swinging end of the clamping member into clamping and released positions.

2,545,669
IMPULSE CURRENT RELAY
Sven Fredrik Erhard Meyer, Stockholm, Sweden
Application February 19, 1946, Serial No. 648,786
In Sweden April 19, 1945
11 Claims. (Cl. 200—112)



1. In an electromagnetic device of the type described, in combination, an electromagnet having a pair of pole pieces spaced apart along a substantially horizontal line, an armature for said magnet, said armature having a longitudinal axis parallel to said line, means normally supporting said armature below and to one side of the center line of said pole pieces, means for energizing said magnet to attract said armature toward said pole pieces and for deenergizing said magnet to permit said armature to fall due to gravitational attraction, and means for causing said armature to return to its support in a position angularly displaced about its own longitudinal axis with respect to its initial position, said means comprising means for guiding the movement of said armature during at least a portion of its traverse.

2,545,670
MERCHANDISING APPARATUS
John J. Noonan, St. Louis, Mo.
Application May 13, 1946, Serial No. 669,289
5 Claims. (Cl. 235—1)

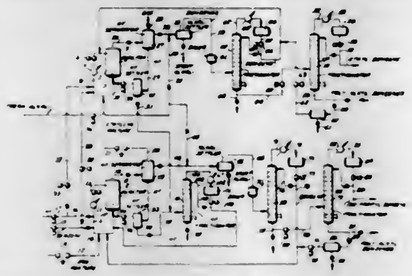


1. An apparatus, comprising an adding device provided with a geared type counter that is adapted to be driven forwardly to set up different amounts in said counter, said counter comprising a group of units wheels directly connected with each other at all times by inter-meshing gears, a totalizer provided with a separate counter of the same type above mentioned, said adding device being provided with a driving gear that is adapted to be meshed with a driven gear forming part of the counter of the totalizer, an operating mechanism for driving the counter of the adding device rearwardly so as to restore it to its starting position and for causing the amount set up in the counter of said adding device to be transferred into the counter of the totalizer, and a stop mechanism that renders said operating mechanism inactive after the counter of the adding device has been restored to its starting position, said stop mechanism comprising two co-acting parts that are in engagement with each other when the counter of the adding device is in its starting position, and are moved at different rates of speed out of operative engagement with each other when said counter is driven forwardly to add or set up different amounts in said counter.

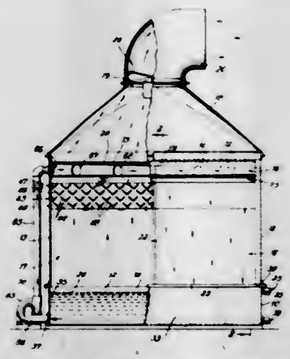
2,545,671
ALKYLATION OF AROMATIC HYDROCARBONS
Herbert J. Passino, Englewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Original application October 22, 1942, Serial No. 463,010. Divided and this application April 15, 1947, Serial No. 741,525
14 Claims. (Cl. 260—671)

1. In a process of alkylating aromatic compounds, reacting an olefin-containing gas with an aromatic hydrocarbon by vapor phase hydrogen fluoride catalyst promoted by boron fluoride at a temperature at which the reaction proceeds without substantial polymerization and at a

pressure to maintain the hydrogen fluoride and boron trifluoride in the vapor phase at said temperature and for a time sufficient to effect the desired alkylation.



2,545,672
SPRAY BOOTH
Frank E. Pearson, Portland, Oreg., assignor to Cascade Manufacturing Company, Portland, Oreg., a corporation of Oregon
Application April 6, 1948, Serial No. 19,342
4 Claims. (Cl. 183—26)



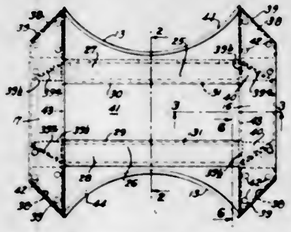
1. A structure for removing foreign material from an air stream and comprising, in combination, a base in the form of a rectangular tank open at the top and having fluid outlet, drain and overflow ports therein, a housing including back and side walls extending upwardly from the base and having an open front, a hood-type top for said housing, an air flow opening in the top, a partition wall extending from side wall to side wall in the housing in spaced relationship to the back wall, said partition wall adjoining the top in front of said air flow opening and terminating at the bottom in an edge extending across said tank at a level above the level of said overflow port, the lower portion of said partition wall being sloped to extend somewhat away from the back wall toward the bottom, said partition wall, back wall and side walls together forming an air flow duct communicating with said opening, a series of baffles in staggered and overlapping relationship in said air flow duct between the back and partition walls, an elongated reservoir secured to the top portion of the partition wall between the latter and back walls and extending substantially from one side of said partion wall to the other, means defining a weir extending laterally of the partition wall at the front of said reservoir and over which weir fluid from the reservoir may flow downwardly over the surface of the partition wall, said reservoir having an inlet port at one end, a series of baffles in spaced relationship along the weir within the reservoir for evening the flow along the length of the weir, movable flow control means comprising a cover overlying said weir on the side thereof opposite the reservoir, said cover being hingedly supported at the top and having an interior space terminating in an edge extending across the partition wall below the base, said cover normally gravitating to a position such that said edge thereof rests against the partition wall, and a flow pipe including a pump connecting the outlet port of the tank to the inlet port of said reservoir, said flow pipe and pump having a fluid flow capacity for effecting the flow of a continuous and solid screen of fluid over the front surface of said partition wall and across the space below said edge of the partition wall.

2,545,673
OPHTHALMIC ATTACHMENT
Alfred Pozarik, New York, N. Y., assignor of forty-five per cent to Riverdale Technical Corporation, New York, N. Y.; forty-five per cent to Alfred Pozarik, Hollis, N. Y., and ten per cent to Alexandre Saccard, New York, N. Y.
Application May 20, 1949, Serial No. 94,375
13 Claims. (Cl. 88—41)



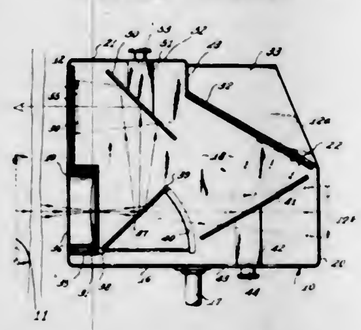
1. An ophthalmic attachment for spectacle frames comprising a pair of brackets having means to frictionally engage a spectacle frame, a member rotatably mounted on each of said brackets, one of said members having means telescoped within the other to coaxially connect said members for relative longitudinal and rotary movement, and an accessory lens holder attached to each of said members and rotatable therewith about its bracket.

2,545,674
DIAPER GARMENT FOR INFANTS
Harold J. Ralph, San Francisco, Calif.
Application September 21, 1948, Serial No. 50,335
10 Claims. (Cl. 128—287)



5. In a diaper holding garment, the combination of a flexible elongated body of moisture impervious sheet material including a back sheet and an elongated pocket overlying the back sheet, said pocket comprising relatively spaced opposed longitudinal flexible fins freely overlying the plane of the back sheet and having at least the longitudinal central portion of one edge imperviously connected to the back sheet and the opposite edge free, each of the opposite end portions of said garment having a band for cooperating relatively for encircling the girth of an infant, and each of said ends having a flexible end sheet member freely overlying the transverse central portion of the back sheet, one edge portion of each of said end sheet members being connected to an end portion of the back sheet member and the opposite edge of the end sheet member being free between the said free edges of the fins, said end sheet members having a seal to the back sheet diagonally to the fins, and an absorbent elongated destructible diaper having diagonally cut corners adapted and arranged to fit removably in said pocket.

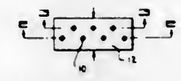
2,545,675
FASHION PREVIEWING PROJECTION APPARATUS
Arthur D. Scott, Pacific Palisades, Calif., assignor to Magic Mirror Beauty Salons, Inc., Los Angeles, Calif.
Application October 22, 1949, Serial No. 122,981
9 Claims. (Cl. 88—24)



1. An apparatus for previewing the appearance of various coiffures on a particular person which includes: a housing; a diffusion screen mounted in said housing and visible to said person; a positive lens mounted in said housing for producing a real optical image of the head of said person, reflectors mounted in said housing to direct the image rays and produce an erect optical image on said screen; and a plurality of transparent plates having images of said coiffures thereon scaled to said real optical image, said plates being formed to be superimposed on said screen and of a size less than said screen for vertical and horizontal adjustment to bring said coiffure image in register with the facial outline of said optical image.

2,545,676
DIAMOND IMPREGNATED DRESSING TOOL
Louis Small, Detroit, Mich., assignor to Service Diamond Tool Company, Ferndale, Mich., a corporation of Michigan
Application June 3, 1948, Serial No. 30,878
6 Claims. (Cl. 51—309)

2. A method of manufacturing a diamond impregnated tool and comprising the steps of lightly compacting a layer of metallic powder in a mold, of placing a layer of spaced diamonds in parallel axial alignment on said lightly compacted layer of metallic powder, of thereafter lightly compacting a second layer of metallic powder against said first layer by a compressional force directed primarily perpendicularly to the axial alignment of said diamonds, of placing a second layer of spaced diamonds on said second lightly compacted layer of metallic powder and in parallel axial alignment with said first layer of diamonds,

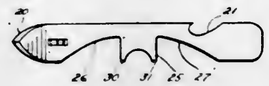


and of thereafter compacting a third layer of metallic powder against said second layer by a compressional force directed primarily perpendicularly to the axial alignment of said diamonds, so as to compress said powdered metal into a solid briquette with the diamonds embedded therein.

2,545,677
MICROCRYSTALLINE WAX AS AN ANTIFOAM AGENT IN SOLUBLE OIL-WATER EMULSION
Elmer H. Sperry, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application May 29, 1947, Serial No. 751,458
5 Claims. (Cl. 252—49.5)

1. A composition of matter comprising a soluble oil having the known composition of a major proportion of a mineral oil and a minor proportion, effective to impart to the mineral oil miscibility with water, of a soap, said known compositions being characterized by miscibility with water to form an emulsion having foaming properties and microcrystalline wax having a melting point of from 145° F. to 200° F. and a molecular weight of from 500 to 850 in a quantity comprising a small fractional proportion of said soap and effective to inhibit excessive foaming and to cause rapid defoaming.

2,545,678
PRY TYPE CAP REMOVER
Charles C. Stauffer, Durham, N. C.
Application December 12, 1947, Serial No. 791,425
2 Claims. (Cl. 81—3.46)



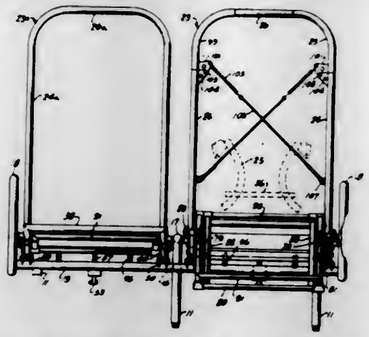
1. In an implement adapted to remove the cap from a sealed container having a shoulder near the top thereof and a cap having a skirt portion spaced from but adjacent said shoulder, a member having two spaced relatively straight edge portions on one edge thereof, two spaced operating points for said edge, and a web between said points of recessed arcuate formation the radius of the arc of said formation being smaller than the radius of the neck portion of the average container to be opened, and two additional recessed arcuate portions connecting said web with said straight portions so as substantially to align said operating points therewith, the radius of curvature of the said additional arcuate portions being larger than the capped portion of the average container to be opened.

2,545,679

COLLAPSIBLE BACK FOR VEHICLE SEATS

Arthur V. St. Germain, Camarillo, Calif.

Application August 13, 1948, Serial No. 43,980
8 Claims. (Cl. 155—194)



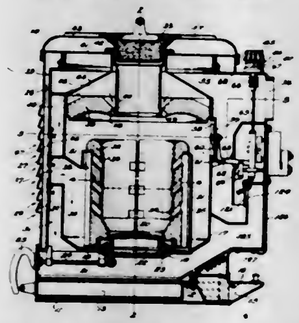
1. In a reclining seat for vehicles, a seat back frame including a pair of lower side members and a pair of upper side member sections and means connecting said upper side member sections, said last means being separable from said upper side member sections, separable hinge means constituting a releasable connection between said upper side member sections and said lower side members, spring means exerting downward tension against said upper side member sections and cooperating with said connecting means to normally hold said upper side member sections and additional connecting means in assembly with said lower side members, said first named connecting means having connections with said upper side member sections which are releasable under impact, said spring means becoming operative upon release of said connecting means to pull said upper side member sections downwardly into the confines between the lower side members.

2,545,680

SOLID-FUEL-BURNING SPACE HEATER WITH MAGAZINE AUTOMATIC DAMPERS AND HOT-AIR JACKET

De Witt H. Wyatt, Columbus, Ohio

Application November 14, 1945, Serial No. 628,443
6 Claims. (Cl. 126—68)



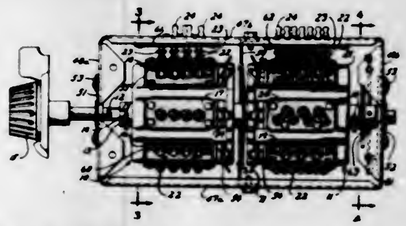
1. A solid fuel-burning heater comprising: a casing structure having a base, outer vertical side walls and a vented top, said base including an ash pit having an air inlet, a grade at the top of said ash pit, a fire bowl arranged above and in registry with said grate, said bowl being open at its top and bottom and formed with orificed side walls, fuel inlet means passing through the top of said casing structure and disposed centrally of the latter for conducting fuel gravitationally to said bowl and grate, a horizontally extending refractory shield member arranged in said casing structure above and in spaced relation to said fire bowl and surrounding the lower end of said fuel inlet means, an inner vertical wall depending marginally from said shield member, said inner wall being positioned around said bowl in spaced relation therefrom to provide a chamber below said shield member and above said fire bowl, said chamber communicating with a passage formed around said bowl by said inner vertical wall for the downward flow of gaseous products of combustion released from the top of said bowl and delivered to said chamber and the upper part of said passage, an intermediate wall positioned between the outer vertical walls of said casing structure and said inner wall, said intermediate wall being spaced from said inner wall to provide a flue gas passage, means connecting said flue gas passage with said inner wall passage at the bottom of the latter, said flue gas passage being disposed for the upward flow of said products, means forming a gas chamber in the upper part of said casing structure by said inner and intermediate walls communicating with said flue gas passage there being a flue gas outlet leading from said flue gas chamber, said flue gas outlet being formed in one of the walls of said casing structure contiguous to the top thereof, said intermediate wall being spaced from the outer walls of said casing structure to form an air-heating passage open at the bottom thereof to the atmosphere and leading through said casing structure from the base to its vented top and adapted for the passage of atmospheric air in heat-receiving relationship with the outer surfaces of said intermediate wall, opening means establishing direct communication between the chamber below said shield member and the flue gas chamber, a bypass valve normally closing said opening means, and means responsive to the temperature of the gases traveling through said flue gas chamber for automatically operating said bypass valve.

2,545,681

TUNING APPARATUS

Louis H. Zepp and John W. Hayward, Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 22, 1947, Serial No. 736,435
8 Claims. (Cl. 171—242)



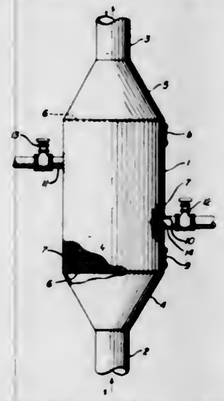
6. In a switching assembly, a rotatable member including a pair of spaced support portions arranged in substantial parallelism, a plurality of non-conductive supporting bases each carrying reactive circuit means, each said base further including a portion projecting from one part thereof and engaged with one of said support portions, and a clip member securing another part of said base to the other of said support portions, the construction and arrangement being such that each said base is resiliently and removably retained between said support portions through the agency of said clip member and said projecting portion.

2,545,682

EXHAUST GAS SILENCER AND PRESSURE REDUCER WITH PLURAL VALVED OUTLETS

Donald J. Bergman, Kenilworth, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 30, 1947, Serial No. 764,785
4 Claims. (Cl. 181—50)



1. A silencing and pressure reducing apparatus comprising a chamber having an inlet and an outlet at opposite ends thereof, a pair of spaced perforated plates extending across said chamber, a continuous bed of solid bodies extending from one of said plates to the other, a plurality of by-pass outlet conduits connected to said chamber between said plates and in direct communication with said bed, and a valve in each of said conduits.

2,545,683

POLYVINYL ACETAL RESINS

Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 24, 1947, Serial No. 750,361
9 Claims. (Cl. 260—73)

1. A process for the production of a polyvinyl acetal type of resinous condensation product which comprises reacting at condensation reaction conditions a plurality of reactants consisting essentially of (1) a partially hydrolyzed polyvinyl alcohol ester homopolymer and (2) an N-substituted imine resulting from the condensation of a primary amine with a carbonyl compound selected from the group consisting of aldehydes and ketones.

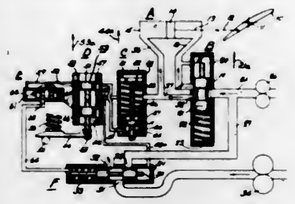
2,545,684

PROPELLER PITCH GOVERNOR

Howard Carson and James W. Light, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 25, 1945, Serial No. 624,512
7 Claims. (Cl. 170—160.21)

1. Apparatus for controlling pitch of propeller blades comprising a servomotor having a cylinder and a blade rotating piston, a fluid pressure source, means for limiting the pressure in the pitch-decreasing end of the cylinder to a value sufficient for decreasing blade pitch, a bleed port connected with the pitch-increasing end of the cylinder, a valve for controlling the port and urged by pressure in the pitch-increasing end of the cylinder toward port opening position, means for opposing such movement of the valve



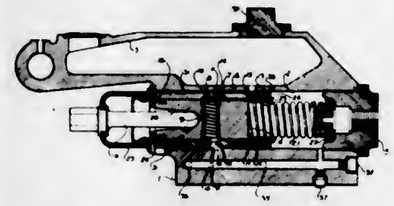
including means for hydraulically loading the valve, and speed responsive means effective, when on speed, to effect such hydraulic loading of the valve as to obtain a pressure in the pitch-increasing end of the cylinder sufficient to hold the piston stationary, and effective, when there is over-speed or under-speed, to increase or decrease, respectively, the hydraulic loading of said valve.

2,545,685

COMPOUND MASTER CYLINDER

Albert W. Cook, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application July 23, 1946, Serial No. 685,727
7 Claims. (Cl. 60—54.6)



7. A master cylinder including cylinder means, a pair of pistons housed in the cylinder means, means for moving both pistons simultaneously until the pressure created in the cylinder means exceeds a predetermined amount, locking shoes, diametrically opposed hydraulic means for moving the locking shoes into engagement with shoulders on one of the pistons but leaving the other free to move, means connecting the interior of said cylinder means to said hydraulic means for transmitting the cylinder pressure thereto and spring detents normally holding the pistons together for simultaneous movement.

2,545,686

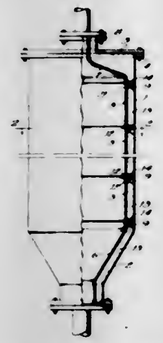
INTERNALLY LINED AND INSULATED CHAMBER

Robert B. Collins, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application April 21, 1948, Serial No. 22,441
5 Claims. (Cl. 220—9)

3. A lined chamber for hot fluid streams comprising a vertically positioned pressure tight outer

housing of a substantial thickness, a removable upper head to said housing, a segmental alloy metal liner comprising a plurality of relatively thin ring-shaped sections each being adapted to be placed into said housing through said upper head, horizontally and vertically spaced supporting lugs attached to the interior of said housing wall and spaced supporting members on each of said ring shaped liner sections arranged to engage and rest on said supporting lugs, a continuous channel-shaped rib attached around the upper end of each of said ring-shaped sections and extending a short distance thereabove, each of said ribs forming a slip joint with the lower end of the section thereabove, a plurality of relatively narrow continuous ribs attached to and



extending around the inside wall of said outer housing, last said ribs being positioned in a manner to be opposite the upper flange of each of said channel shaped ribs that are attached to said liner sections, annular shaped plates positioned between said housing wall and said inner liner at each of said slip joints, said plates resting on said continuous ribs which attach to said outer wall and on the upper flanges of each of said channel shaped ribs attached to the ring shaped liner sections, a high temperature resistant insulating material packed between said outer housing and said liner, said insulation being vertically supported by said annular shaped plates, an inlet and outlet means to said lined chamber at the ends thereof.

2,545,687

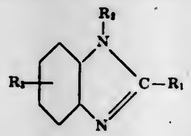
N-SUBSTITUTED BENZIMIDAZOLES

Winfred C. Craig, Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application April 30, 1947, Serial No. 745,113. Divided and this application April 16, 1948, Serial No. 21,549. In Canada January 12, 1948

4 Claims. (Cl. 260—309)

1. Compounds of the following formula:



wherein R_1 is a hydroxy aromatic radical, the hydroxy group being nuclear attached, and said radical being linked to the benzimidazole radical in ortho-position to said hydroxy group, R_2 is an aliphatic hydrocarbon radical containing at least ten carbon atoms and R_3 is a water solubilizing group.

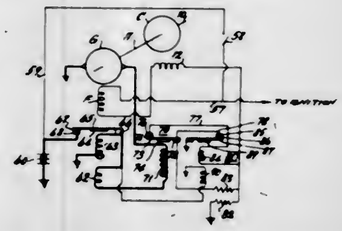
2,545,688

GENERATOR CONTROL SYSTEM

Robert M. Critchfield and Paul L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application August 22, 1946, Serial No. 692,352, now Patent No. 2,498,793, dated February 18, 1950. Divided and this application July 22, 1949, Serial No. 108,563

2 Claims. (Cl. 290—50)



1. A generator speed-limiting control system for use on automotive vehicles and comprising a generator which is driven at varying speeds by the vehicle propelling engine, said generator having a shunt field winding, a storage battery charged by the generator, a generator-battery circuit including a relay for connecting the generator and battery when the generator is driven at a speed such that its voltage exceeds the counter-voltage of the battery and for disconnecting the battery from the generator when the generator speed is at such relative low value that the battery can discharge through the generator, an electromagnetic coupling normally connecting the engine with the generator at a drive ratio required for the closing of the relay and the charging of the battery at relatively low engine speeds, said coupling having an exciting coil and providing for coupling slip which is least when the energization of the coil is greatest and vice-versa, a circuit for connecting the coupling coil with the generator-battery circuit between the relay and the battery and including a manually operated switch and two normally by-passed current controlling resistances, each of the by-passes including a pair of normally closed contacts, an electromagnet responsive to generator current output for opening one of the pairs of contacts when output current exceeds a predetermined value and an electromagnet responsive to generator voltage for opening the other pair of contacts when generator voltage exceeds a predetermined value.

2,545,689

POLYMERS FROM ALLYLIC ALCOHOL MONOETHERS OF TRIHYDRIC ALCOHOLS

Hans Dannenberg and David E. Adelson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 3, 1948, Serial No. 470

15 Claims. (Cl. 260—91.1)

8. A linear addition homopolymer of a 2-alkenyl dihydroxyalkanyl ether.

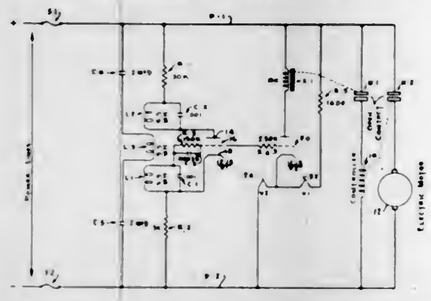
2,545,690

MOTOR PROTECTIVE CIRCUIT

Joseph Di Giovanni, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y.

Application August 18, 1950, Serial No. 180,143

12 Claims. (Cl. 318—447)



2. In an electrical network of the character described; a motor circuit having a controller therein; a contact in said controller circuit for closing and opening said motor circuit; an oscillator circuit having a relay controlling said contact, said oscillator circuit being normally non-oscillating whereby said contact may be closed to close the motor circuit; and a control circuit coupled to said oscillator circuit for making said oscillator circuit oscillating upon failure of current in the controller circuit to drop out said relay.

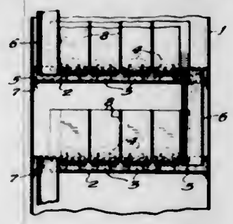
2,545,691

FRACTIONATING APPARATUS

Clarence G. Gerhold, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 31, 1947, Serial No. 725,517

1 Claim. (Cl. 261—114)



In a vapor and liquid contacting column comprising a closed chamber, and means to pass liquid and vapor therethrough, a plurality of bubble decks spaced vertically within said chamber, a plurality of vapor risers and bubble caps at each of said decks, a liquid receiving section, a liquid overflow weir, and downspout means to transfer a liquid flow stream from one deck to that next lower, the improvement which comprises a plurality of vertical partitioning members extending substantially across said chamber between and spaced from said decks, said members positioned to intersect in a manner forming a plurality of small open ended vertical cells spaced above each of said decks, the lower end of said members terminating at a point approximately the height of said liquid overflow weir whereby the lower end of said open ended cells project into the upper surface of the liquid flowing across said deck.

2,545,692

RESIN-FORMING REACTION OF PHENOL, ALDEHYDE, AND AMINE IN PRESENCE OF POLYHALOPHENOL

Clyde E. Gleim, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application January 10, 1947, Serial No. 721,467

3 Claims. (Cl. 260—45)

1. The method of forming a resin which comprises reacting a mixture of phenol, an aldehyde and an amine selected from the group consisting of primary arylamines, cyclohexylamine, and furfuryl amine in the presence of a catalytic amount, from 0.005 to 0.15 mol per mol of reactants, of a polyhalophenol selected from the group consisting of tetrachlorophenol and pentachlorophenol.

2,545,693

OIL INDICATOR LABEL HOLDER

John R. Grossman, Portland, and William Loren Milliken, Oregon City, Oreg.

Application November 3, 1947, Serial No. 783,840

1 Claim. (Cl. 40—21)



An oil indicator for use on dip sticks of internal combustion engines comprising a pair of metallic disks of equal diameter, one of said disks having a flat channel formed across the diameter thereof adapted to slidably receive a flat dip stick equalling in thickness approximately the depth of the channel, said channel having a rounded groove formed along the length of the bottom thereof, whose curvature and depth from the outer face of the channelled disk approximates the diameter of a round dip stick, making said round stick slidable therein, the channelled disk having notches formed in opposite edges thereof in a line normal to said channel, the other disk being flat and having lugs projecting from its rim registering with said notches adapted to be bent around the back of said channelled disk and hold the two disks together in concentric relationship, the outside of said flat disk having a marking surface thereon for the entry of mileage travelled and the viscosity of oil used.

2,545,694

OIL INDICATOR

John R. Grossman, Portland, and William Loren Milliken, Oregon City, Oreg.

Application January 11, 1949, Serial No. 70,238

1 Claim. (Cl. 40—23)

An oil indicator consisting of a pair of circular front and back members connected at one point by a bendable neck whereby the front and back may be held in super-imposed relationship, the edges of said front and back opposite said neck being provided with a latch, said back having a groove formed across the diameter of its inner side adapted to receive an oil inspection stick,

said front having indicated thereon the name and grade of oil to be used and the mileage at

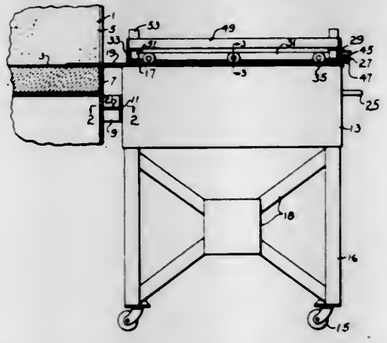


the last change and a transparent protector for the information on said front.

2,545,695
ELECTRODE COATING
Paul J. Hagelston, Danvers, and Robert S. Ives, Topsfield, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application February 8, 1946, Serial No. 646,494
1 Claim. (Cl. 106—287)

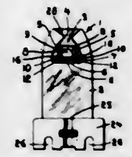
A coating suspension for electric gaseous discharge device electrodes consisting essentially of barium peroxide and a vehicle selected from the group consisting of xylol, toluol and normal heptane.

2,545,696
MATERIAL HANDLING DEVICE
Frank B. Harvuot, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application September 28, 1945, Serial No. 619,084
2 Claims. (Cl. 214—26)



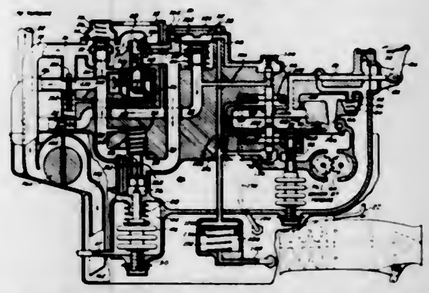
1. In a material handling means, the combination of casters, a platform mounted on said casters, a track rigidly mounted on said platform and projecting beyond the end thereof, a carriage movable upon and removable from said track, a receiver for said carriage having a track at substantially the same elevation as said first track, and means on said platform and said receiver for aligning said tracks, comprising a laterally, outwardly tapered projection on the platform and a guide member on the receiver having a horizontal slot to receive said member, the ends of said slot cooperating with the widest portion of said projection to position said platform accurately, laterally of said receiver in response to endwise motion of the platform.

2,545,697
LAMP HOLDER FOR ELONGATED FLUORESCENT LAMPS
Roger W. Haven, Winchester, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application February 28, 1946, Serial No. 650,970
1 Claim. (Cl. 173—328)



A holder for an electric discharge device having two contact pins at one end thereof, said holder comprising: a body member of insulating material having a flat surface with an opening therein substantially triangular in contour with at least two of its sides curved and the apex angle truncated, and a truncated, substantially V-shaped opening in said body member above said first-mentioned opening, the truncations of the two openings being coextensive; a stud of insulating material connected to the body member and projecting into the central portion of the first-mentioned opening, said stud being substantially triangular in contour with at least two of its sides curved and the corners rounded, the sides of said stud and the walls of said three-sided opening defining three channels through which the contact pins of said electric discharge device may travel; and two electrical contact members disposed within said body member, a portion of each contact member being exposed by the first-mentioned opening and adapted to be engaged by contact pins on an electric discharge device when said device is inserted in the holder.

2,545,698
GAS TURBINE GOVERNOR
George M. Holley, Jr., Grosse Pointe, and Andrew William Orr, Jr., Detroit, Mich., assignors to George M. Holley and Earl Holley
Application April 16, 1947, Serial No. 741,908
7 Claims. (Cl. 60—41)



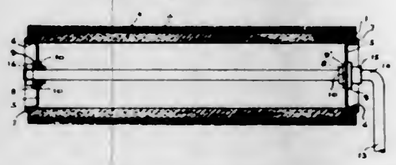
1. A fuel control device for a gas turbine having a source of fuel under pressure, a pressure regulating valve therefor comprising an escape outlet, a valve therein, a moving wall connected to said valve, a spring engaging with said wall, means for exposing the moving wall to the pressure drop in said fuel control device, a manually selected variable fuel orifice located downstream of said escape outlet valve, a second pressure regulating valve located downstream of said variable fuel orifice and adapted to produce a variable pressure drop across said variable orifice, a fuel outlet leading from said second pressure regulating valve to said gas turbine, a second fuel escape outlet passage located downstream from said variable fuel orifice and upstream of said second pressure regulating valve, a partially open throttle valve in said fuel outlet passage, barometric means connected to and adapted to increase the opening of said throttle valve at the higher altitudes.

2,545,699
IRONING BOARD STRUCTURE
Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application November 23, 1948, Serial No. 61,555
4 Claims. (Cl. 248—191)



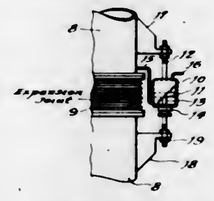
1. An adjustable structure comprising a pair of leg portions, each of said portions being formed of substantially constant gage material and including—in section—a pair of connected spaced arms, said portions being disposed in telescopic relationship with the adjacent faces of the arms of the different portions in slidable engagement, one of said portions being formed with a series of spaced notches defined in the outer edges of its arm, a spring carried by the other portion, a pair of notches formed in the arm edges of the other portion, a yoke carried by said spring and encircling both portions and said yoke being disposed and having a width such that under the urging of said spring it will enter both said pair and series of notches.

2,545,700
PAINT ROLLER WITH REPLACEABLE CYLINDER
Cecil Rhodes MacKey, Toronto, Ontario, Canada, assignor of one-half to Norman J. Breakey, Toronto, Ontario, Canada
Application June 6, 1946, Serial No. 674,757
In Canada June 11, 1945
3 Claims. (Cl. 15—230)



1. A roller for applying paint comprising a cylinder open at the ends and having a textile paint-applying outer surface, circular members pressed into the ends of said cylinder and having peripheral flanges gripping the interior of said cylinder and each formed with a central orifice and an out-turned end flange projecting right angularly from its peripheral flange abutting the adjacent end of the cylinder preventing inward movement of said members, journal bushings extending through and secured in said central orifices in said members, said members forming both the sole means of supporting said journals bushings within said cylinder and the means maintaining separation of said journal bushings with said journal bushings secured to and removable with said members from said cylinder, a rod having a handle extension removably and rotatably mounted in said bushings, a shoulder carried by said rod abutting the journal bushing of one of the said circular members, and a nut carried at the free end of said rod and abutting the journal bushing of the other of said circular members effecting pressing of the circular members into the cylinder ends to grip said cylinder between said out-turned flanges to locate said bushings within said cylinder and to support and hold said cylinder on said rod.

2,545,701
COMPENSATED PIPE EXPANSION JOINT
John Woods McCausland, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 29, 1946, Serial No. 713,181
1 Claim. (Cl. 285—90)



A thrust equalizing apparatus for a conduit having an expansion joint therein, comprising in combination a bracket secured to said conduit on each side of said expansion joint, a substantially pressure tight piston and cylinder unit mounted between said brackets, a pressure supplying tube between said conduit and the cylinder of said unit, a rod-like connecting member between said cylinder and one of said brackets, and a second rod-like connecting member between the piston of said unit and the other of said brackets, said brackets and connecting members being linked to provide external forces on said conduit opposing the internal longitudinal pressure thrust on said conduit resulting from said expansion point.

2,545,702
PROCESS FOR PREPARING STABLE POLYSTYRENE EMULSIONS
Forrest H. Norris, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 15, 1948, Serial No. 27,361
6 Claims. (Cl. 260—23)

1. A process for preparing stable suspensions which comprises polymerizing 100 parts of styrene with substantially constant agitation in an aqueous medium comprising a water solution containing from 0.1 to 5 parts of a compound taken from the group consisting of ammonium and alkali metal salts of a copolymer of a vinyl ester of a

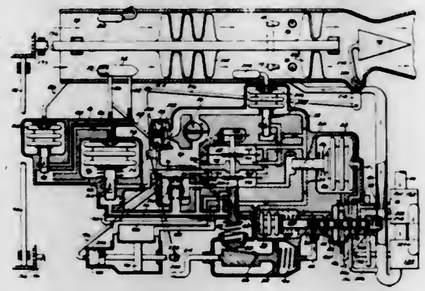
lower aliphatic acid and maleic anhydride and from 0.1 to 5 parts of a compound taken from the group consisting of ammonium and alkali metal salts of monocarboxylic aliphatic acids containing from 12 to 20 carbon atoms.

2,545,703

GAS TURBINE TEMPERATURE CONTROL RESPONSIVE TO AIR AND FUEL FLOW, COMPRESSOR INTAKE AND DISCHARGE TEMPERATURE AND SPEED

Andrew William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley

Application March 17, 1947, Serial No. 735,272
11 Claims. (Cl. 60—41)



1. A combustion chamber temperature control device for a gas turbine having a turbine driven air compressor, a speed governor driven by said gas turbine adapted to regulate the speed of said turbine by reducing the fuel supply comprising, temperature responsive means responsive to the temperature of the air entering the combustion chamber, means responsive to both the fuel and air flows acting in opposition to each other to produce a force, said force acting in conjunction with the force derived from said temperature responsive means to produce a resultant force, a servomotor valve, yieldable means engaging with said servomotor valve acting in opposition to said resultant force, an increase in temperature of the entering air having the same effect as an increase in fuel flow relative to air flow to increase said resultant force, a motor, a supply of fluid under pressure adapted to operate said motor, said servomotor valve being connected to said pressure fluid so as to control said motor, means to vary the air flow through said gas turbine, linkage connecting said air flow control means with said motor whereby the air supply is increased with an increase of temperature of the air entering the combustion chamber and also by an increase in the fuel flow relative to the air flow.

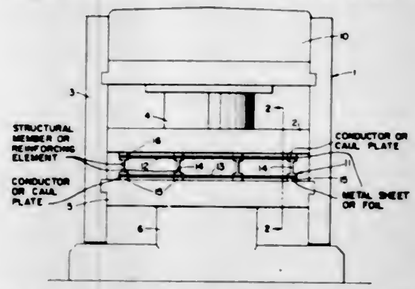
2,545,704

METHOD OF FABRICATING METAL LAMINATES

Bernard D. Raffel, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application April 29, 1947, Serial No. 744,735
3 Claims. (Cl. 154—118)

1. A method of fabricating metal laminates in which the exposed laminae are characterized by smooth surfaces free from such defects as wrinkles and buckles, said method comprising the steps of assembling the laminate which embodies arranging a plurality of reinforcing elements, superposing thereon at least one thin metal sheet, and interposing a thermosetting adhesive between said reinforcing elements and said metal sheet; placing on the metal sheet in positions corresponding generally to the disposition of the reinforcing elements, metal conductors having a coefficient of expansion in a range from



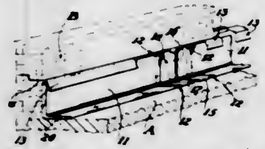
equal to to greater than that of the metal sheet with which they are in contact; applying heat and pressure to the laminate through the metal conductors; and maintaining the heat and pressure until the adhesive is set.

2,545,705

EXPANSION JOINT FOR A BASE FLASHING

Milton Riesner, Pelham, N. Y.

Application October 13, 1949, Serial No. 121,157
4 Claims. (Cl. 108—26)



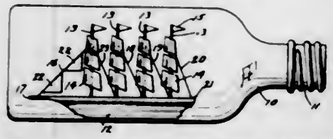
2. An expansion joint for a base flashing for a flat roof at its line of juncture with a vertical wall surface, comprising a metallic sheet having a vertical leg and a horizontal leg, a loop formed out of the vertical leg and extending beyond the face of the plane of the vertical leg from the top to the bottom of said vertical leg and including a flattened loop located in the horizontal leg extending from the rear to the front of the horizontal leg and in line with the loop formed out of the vertical leg, said vertical loop and flattened loop both being located in the quadrant formed by the two legs.

2,545,706

ORNAMENTAL SHIP MODEL DISPLAY

Norman P. Rosenberg, Girard, Ohio

Application October 14, 1947, Serial No. 779,727
2 Claims. (Cl. 41—10)



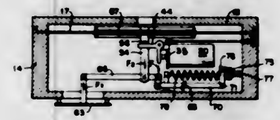
1. A ship model including a hull having vertically positioned openings formed therein and spaced longitudinally thereof and a plurality of masts positioned in the said openings, each of the said masts comprising a section of resilient material and sails and rigging secured to the said masts and hull and the ship model adapted for insertion in a bottle by bending the said masts thereof to a position flush with the deck of the ship model, the masts being capable of assuming their normal vertical relationship with respect to the hull of the ship model when the same is positioned in a bottle.

2,545,707

OXYGEN DEMAND PRESSURE BREATHING REGULATOR

Herman P. Roth, Inglewood, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California

Application September 4, 1944, Serial No. 552,631
15 Claims. (Cl. 137—153)



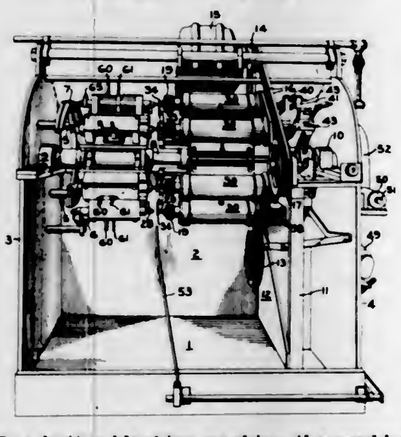
1. In an oxygen regulator of the character described, the combination of: walls forming a chamber having an oxygen outlet opening and an exhalation opening, one of the walls of said chamber being movable inwardly, and being movable outwardly a limited distance by changes in pressure differential applied thereto; an oxygen inlet valve connected to the chamber; an exhalation valve for said exhalation opening, said exhalation valve being urged in the opening direction by pressure within said chamber; pressure means for applying a controlling pressure; a leverage system to transmit pressure from said pressure means to said wall and to said exhalation valve to move said wall inwardly and close said exhalation valve; and means operating in response to inward movement of said wall to open said oxygen inlet valve to admit oxygen.

2,545,708

BUTTON BLANK CUTTING MACHINE

Clarence F. Schmarje, Ralph A. McBride, and Claus H. Schmarje, Muscatine, Iowa, assignors to Ronda Button Company, Muscatine, Iowa, a corporation of Iowa

Application March 15, 1946, Serial No. 654,700
13 Claims. (Cl. 79—16)



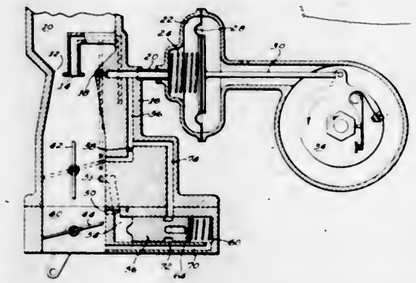
3. In a button blanking machine, the combination of a main shaft and its supporting means, a pair of cams carried by said supporting means, a plurality of shell-holding means carried by said main shaft and reciprocable axially by said cams, stripping means in connection with each of said shell-holding means for stripping shells therefrom after button blanks have been cut from the shells, a circular saw axially aligned with each shell-holding means and adapted to be rotated about the axis of the two, and spring-actuated means for stripping shells from the saws after the cutting of button blanks from the shells, one of said cams serving to press a shell-holding means toward one of the saws and the other serving to retract a shell-holding means from the last mentioned saw.

2,545,709

COMBINATION GOVERNOR AND IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Marion L. Smitley, Detroit, Mich., assignor to George M. Holley and Earl Holley

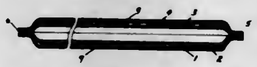
Application September 23, 1948, Serial No. 50,718
1 Claim. (Cl. 123—117)



An internal combustion engine in combination, an air intake to said engine, a venturi therein, a main air outlet passage from said venturi, a first throttle therein, a second throttle downstream therefrom adapted to be connected to an automatic governor, an ignition timing device for said engine, first yieldable means for retarding the spark, vacuum operated means for advancing the spark in said engine by overcoming said first yieldable means comprising a suction chamber having a first moving wall connected to said timing device, a first restricted passage connected to the throat of the venturi and to the chamber, a second restricted passage connected to the chamber and to the outlet passage on the engine side of said first throttle when said first throttle is first opened to operate the engine, a third restricted passage connected to the vacuum operated means and to the engine side of said second throttle, a valve in said third passage, a second moving wall connected to said valve, second yieldable means engaging with said wall to close said valve, a second chamber associated with said second moving wall and connected to the main outlet passage on the atmospheric side of said second throttle when said second throttle acts to control the speed, a third chamber on the other side of said second moving wall, a passage connecting said third chamber to the outlet from said main outlet passage on the engine suction side of said second throttle, the difference in pressure between second and third chambers associated with the second moving wall opposing the second yieldable means so as to open the restriction in said third passage when the second throttle acts to govern the speed of the engine so

that the governor simultaneously throttles the flow of air through the venturi and advances the spark.

2,545,710
PACKAGE
James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 4, 1948, Serial No. 47,844
3 Claims. (Cl. 312—31)



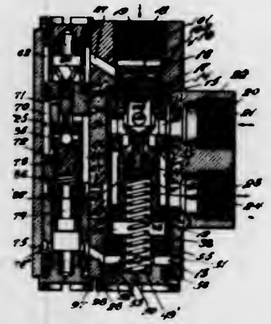
1. A package enclosed in wrapping material the edges of which are heat-sealed to one another to form a tight enclosure, the wrapping material being formed of two plies of heat-sealable film having the same contour which films are sealed together adjacent all their edges and separated throughout the rest of their area by an air-conditioner.

2,545,711
DIE RETAINING MEANS
Frank S. Speicher, Pittsburgh, Pa., assignor to M. E. Cunningham Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1946, Serial No. 705,847
3 Claims. (Cl. 101—28)



1. A stamping tool comprising a holder element having a body portion engageable for manipulation and an end portion provided with a type die-receiving recess, said body portion having an opening therein inclined to a side wall thereof for receiving one end of a type die-retaining pin, and said recessed end portion having aligned openings in each end wall thereof forming the recess, the centers of which latter openings are in parallel alignment with the pin-receiving opening in said body portion, a type die detachably mounted in the recess in the end of said holder element and having a retaining pin-receiving opening therein disposed to lie in aligned relation with the aforesaid openings in the end walls of said end portion recess when the die is in operative position in the recess, and a self-locking continuous type die-retaining pin for holding the type die in said die-receiving recess which consists of a straight portion at one end which fits in the aligned openings in the type die and the end walls of the die-receiving recess, a portion at the other end which is disposed in the same direction as said straight portion, but inclined with respect to said straight portion and the inclined pin-receiving opening in the body portion so as to lock the pin in place when said latter end is inserted in said pin-receiving recess and a section joining the two end portions of the pin together.

2,545,712
UNLOADING VALVE
Robert Stevenson, Barrington, R. I., assignor to Merit Engineering, Inc., a corporation of Rhode Island
Application June 27, 1944, Serial No. 542,411
6 Claims. (Cl. 137—153)



1. In an unloading valve having a body provided with a supply port, a discharge port and a return port communicating with the supply port, a main valve normally seated to close communication between said supply port and return port and subjected on one side thereof to the pressure at the supply port tending to unseat said valve and on the other side to the pressure at the discharge port tending to seat said valve, a check valve between the supply and discharge ports for blocking the return of fluid from said discharge port so proportioned with reference to the main valve as to area and spring pressure as to be unseated when said main valve is seated and seated when said main valve is unseated, a normally unseated second valve for controlling the said fluid pressure from said discharge port which acts on said main valve, said second valve being subjected on one side to the pressure at the discharge port tending to seat said second valve to cut off said pressure from said discharge port which acts on said main valve, a vent conduit in said body communicating with said return port for draining upon the seating of said second valve the said pressure from said discharge port which acts on said main valve for creating a differential pressure condition across said main valve to unseat the same in response to the said pressure from the supply port which acts thereon, a third valve for controlling said vent conduit arranged to be normally seated and subjected on one side to the pressure at the discharge port tending to move the same to closed position and engaged on the other side by said second valve to be unseated thereby upon seating of said second valve and a spring supplementing the said fluid pressure acting on said third valve to oppose closing of said second valve and adjustable means to predetermine the fluid pressure range at which said second valve will be seated or unseated.

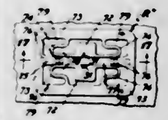
2,545,713
GREENHOUSE CONSTRUCTION
Fred A. Stocking, Jr., Portland, Oreg.
Application February 11, 1949, Serial No. 75,869
5 Claims. (Cl. 108—16)

3. A clip of the class described consisting of a strip of metal formed into an angle with the bend across the width of the strip and having a part of the metal at the bend turned to form a lug on the inner side of the angle extending from one edge of the clip to a line spaced from the edge of the clip a distance approximating a single thickness of glass whereby one end of the clip



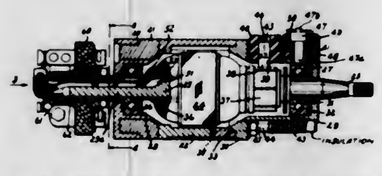
may be attached to a T bar upon which rests the over-lapped ends of panes of glass and in which said lug rests upon the upper pane while the other end is a stop for the lower end of the upper pane.

2,545,714
FASTENING DEVICE
Richard M. Storer, Denver, Colo.
Application March 7, 1944, Serial No. 525,331
14 Claims. (Cl. 24—221)



1. In a device for fastening two parts together, in which a stud is secured for turning movement to one of said parts and the second part is provided with an inwardly extending flange surrounding a hole therein through which said stud may be inserted to engage a receiver for said stud attached to said second part, the improvement which comprises a stud having a shank provided with outwardly extending and inclined surfaces, and a receiver having a pair of arms adapted to extend across said hole and adapted to be spread apart and engaged by said inclined surfaces upon insertion of said stud between said arms and a subsequent turning movement thereof, said receiver being adapted to be attached to said second part at points spaced from said hole and said arms being constructed and arranged to extend over and rest upon said inwardly extending flange to provide frictional resistance against outward movement of said arms.

2,545,715
ELECTRIC MOTOR
Raymond H. Sullivan, Vaughn H. Hardy, and Herbert C. Porter, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application December 7, 1945, Serial No. 633,466. Divided and this application January 21, 1949, Serial No. 72,002
7 Claims. (Cl. 171—324)

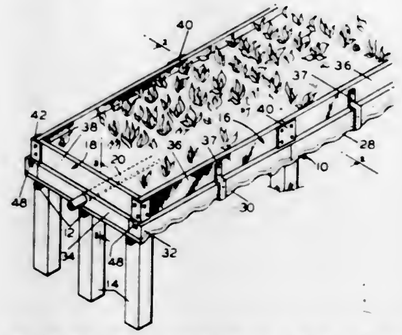


1. In a dynamoelectric machine having a casing and a commutator journaled therein, said casing including a detachable end member housing the commutator, said end member having spaced radial openings at diametrically opposite points, a pair of brush holders of insulating material removably mounted on opposite sides of the end member, each holder having portions fitted in one said opening; a guide opening formed in each brush holder; a brush slidingly mounted in each guide opening; a removable retaining member slidably mounted in an opening provided by an arm on each brush holder, said retaining members having one end extending into the other openings of the end member and the other end extending above the arm; and a U-shaped member embracing the end member and having the yoke formed so that the free ends of the spaced arms will resiliently engage respective retaining means to urge them radially inward and thereby hold the brush holders in assembled relation with the end member; and spring means for urging the brushes against the commutator.

2,545,716
SULFONAMIDE RESINS
Ralph B. Thompson, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 27, 1947, Serial No. 776,629
11 Claims. (Cl. 260—65)

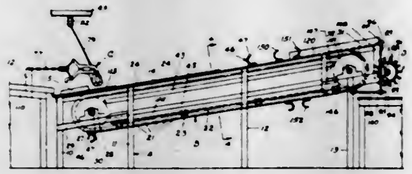
5. A process for the preparation of a resinous condensation product which comprises reacting at condensation reaction conditions a sulfonamide with a mono-carbonyl compound from the group consisting of the aldehydes and ketones containing only one carbonyl radical and with a dicarbonyl compound from the group consisting of the dialdehydes and diketones, said dicarbonyl compound being in an amount sufficient to supply from about 0.5 to about 40% of the total number of carbonyl groups present in the reaction mixture.

2,545,717
GROWING BENCH
Paul A. Voigt, Bellerose, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,320
8 Claims. (Cl. 47—18)



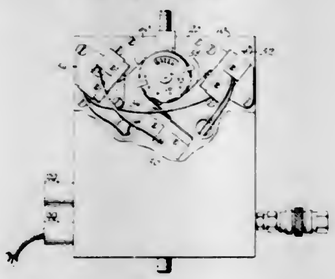
1. A growing bench comprising a bed of corrugated sheet material, base strips overlying said bed, closed joints between the base strips and said bed, said base strips being longitudinally grooved, certain of the base strips extending transversely of the corrugations and being complementally corrugated on their faces contiguous to said bed, and wall members supported by said base strips and fitting in said grooves.

2,545,718
MACHINE FOR SKINNING MEAT
William F. Weber, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Original application October 20, 1944, Serial No. 559,548. Divided and this application January 26, 1946, Serial No. 643,527
16 Claims. (Cl. 17—21)



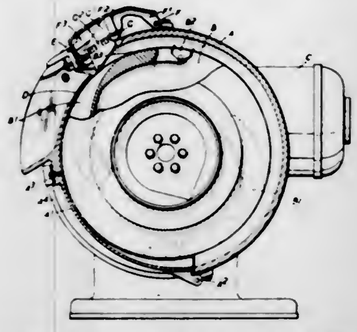
1. A machine for skinning meat comprising a frame structure, an endless conveyor mounted on the frame structure, means fixed on said conveyor for passing a meat piece therewith, and stationary clamping means mounted on said frame structure for holding an edge of skin on said meat piece against forward movement with said conveyor, said conveyor means permitting rotation of the meat piece about an axis below said edge of skin to turn the meat piece as the conveyor travels and thus remove the skin.

2,545,719
TIMING MECHANISM
Reuben Wedeberg, Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application May 17, 1946, Serial No. 670,467. Divided and this application March 3, 1948, Serial No. 12,807
9 Claims. (Cl. 161—1)



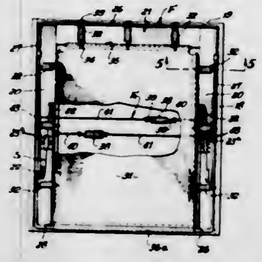
1. In a timing mechanism, the combination comprising coaxially mounted front and rear cam discs, a masking disc for each of said cam discs adapted to be disposed in contacting engagement with the rear face thereof, said cams and masking discs being rotatably adjustable with respect to each other, means for detachably fixing the rear cam and its masking disc against relative movement including a series of closely grouped detent apertures in said rear cam disc and a detent projection on said rear cam masking disc engageable selectively in said apertures by rotative adjustment of said cam and masking disc and visible through the aperture in which it is engaged, and registrable window apertures in said front cam and its masking disc adjustable by rotation of said discs to align said windows with each other and with series of apertures in the rear cam for observation therethrough, thereby to facilitate adjustment of the masking disc for said rear cam.

2,545,720
MACHINE FOR CUTTING POTATOES OR LIKE OBJECTS INTO CHIPS OR SLICES
Geoffrey Joseph Abbott, Carshalton, England
Application September 9, 1948, Serial No. 48,386
In Great Britain October 6, 1947
4 Claims. (Cl. 146—78)



1. A machine for slicing potatoes and like articles comprising a substantially cylindrical casing having an exit slot in its circumferential wall, a slicing knife forming one boundary of the exit slot, a movable support for the slicing knife, a rotor within the casing for carrying potatoes or like articles around the casing in contact with the inner surface of its circumferential wall, a slitting knife support pivoted to the casing, a plurality of slitting knives carried by the slitting knife support in advance of the exit opening and slicing knife and, when the slitting knife support is in its operative position projecting into the casing, yielding means for normally holding the slitting knife support and the slicing knife support in their operative positions in which they project into the interior of the casing but capable of yielding when a slitting knife is struck by a stone or other hard object, and an operative connection between the slicing knife support and the slitting knife support to cause the slicing knife and slitting knives both to be moved from the interior of the casing when a slitting knife is struck by a stone or like hard object.

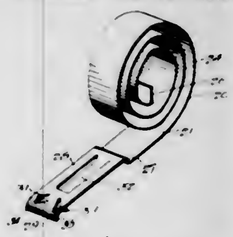
2,545,721
SEAT SPRING STRUCTURE
Jacob L. Alpert, Los Angeles, Calif.
Application October 22, 1946, Serial No. 704,831
6 Claims. (Cl. 155—179)



6. A seat spring structure adapted to be mounted on a seat frame, including: springs coiled in vertical planes and secured to the seat frame, each spring having upwardly extending and crossed legs disposed in different vertical planes; a supporting frame of substantially rectangular

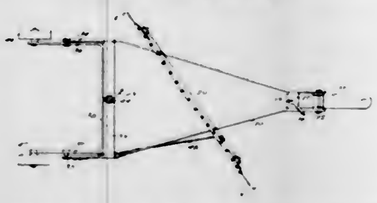
outline to the side portions of which the upper end of one leg of each spring is secured, and to one end portion of which the upper end of the other leg of each spring is secured and resiliently supported by said springs; a substantially rectangular web within the supporting frame having sleeves in all of its edges through one of which one end portion of said supporting frame extends; rods in the other sleeves of said web; coiled springs connected to the side portions and the other end portion of said supporting frame and to said rods; and springs connected to the side portions of the seat frame and the supporting frame for stabilizing the supporting frame against side sway.

2,545,722
TIRE CHAIN APPLYING DEVICE
Adrian C. Balson, Philadelphia, Pa.; John A. Balson administrator of said Adrian C. Balson, deceased
Application August 1, 1947, Serial No. 765,286
1 Claim. (Cl. 81—15.8)



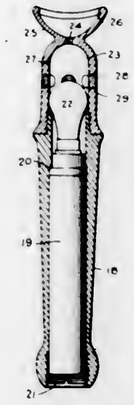
In a hand threader for introducing the strap of an individual tire chain through the slot in a wheel and around a tire, a resilient metallic strip curved and adapted to hug the curve of a tire and a gripper formed from the strip at the end thereof and comprising a body extending in prolongation of the threader and curved transversely at the end, prongs extending from the body in the concavity of the curve and directed away from the end and walls forming a socket for the end of a strap located on one side of the body and remote from the end of the body, the wall of the opening end of the socket being flared outwardly to facilitate the insertion of the strap into the socket at a position beyond the ends of the prongs.

2,545,723
ROTARY SIDE DELIVERY RAKE
Clarence L. Conner, McFarland, Calif.
Application January 7, 1948, Serial No. 887
1 Claim. (Cl. 56—376)



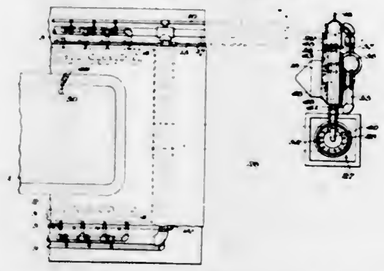
An apparatus of the character described comprising a frame, a flat metal guard member vertically dependent from the frame at an angle to the longitudinal axis thereof, sprockets revolubly mounted at each corner of the guard member, a chain trained over said sprockets, tines outwardly disposed on said chain, a rearwardly extending bracing rod interconnecting the frame and the guard member, a guide rail carried by said guard member in spaced relation thereto and adjacent the rear faces of the lowermost tines, means for raising and lowering the rear end of the frame and means for raising and lowering the forward end of the frame.

2,545,724
APPLICATOR FOR HEAT MANIPULATION OF THE EYES
Cecil Claud Curtis, Washington, D. C.
Application June 8, 1948, Serial No. 31,675
2 Claims. (Cl. 128—399)



2. An eye treating implement comprising a hollow handle containing a battery, an electric heating element in circuit with the battery, an elongated closure cap of heat conducting material having threaded engagement with the handle into which the electric heating element extends to transmit heat to the walls of the cap, and an eye cup of heat conducting material formed integrally with the cap to conduct the heat from the cap to the eye being treated.

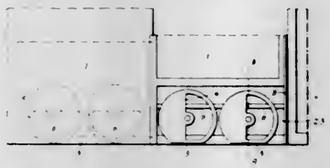
2,545,725
METALLURGICAL HEATING APPARATUS
Harry Dobrin, Pittsburgh, Pa., assignor to Furnace Engineers Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1949, Serial No. 132,700
4 Claims. (Cl. 158—7)



1. Heating apparatus for heating a chamber having an air inlet and an exhaust gas outlet, comprising a burner adapted to be directed into such a chamber, a conduit for delivering fuel

to the burner, a conduit for delivering air to the burner, a first valve in said air conduit, an air operated eductor adapted to be connected to said chamber outlet, a conduit for supplying air to the eductor to operate it, a second valve in said eductor supply conduit, means for directing a stream of air backwardly in the eductor to retard the flow of exhaust gases therefrom, a conduit for delivering air to said means, a third valve in said last-mentioned conduit, means adapted to respond to the temperature in said chamber for controlling said valves to close the first and second valves as said temperature rises, means for decreasing the flow of fuel to the burner as the flow of air thereto is decreased, said valves being so arranged that said third valve opens as said first and second valves are moved toward closed position, an air conduit by-passing said second valve, a normally closed valve in said by-pass conduit, and means adapted to respond to a predetermined maximum temperature in said chamber for opening said normally closed valve, whereby to deliver air through said by-pass conduit to the eductor to operate it while said second valve is closed and said third valve is open.

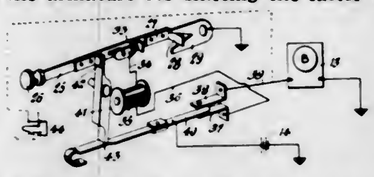
2,545,726
SLIDING DOOR ARRANGEMENT
Jörgen Nilsen Dokken, Amund Ragnvald Wigeland, and Carl Albert Andersen, Oslo, Norway
Application December 29, 1947, Serial No. 794,354
In Norway September 6, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 6, 1966
10 Claims. (Cl. 16—99)



1. In a device for mounting a body for sliding movement relative to supporting means, the combination of a member adapted to be journaled in the body for rotation about a horizontal axis for travel on the supporting means, said member having an arcuate peripheral surface concentric with said axis, and a plane peripheral surface connecting the ends of said arcuate surface and comprising a pair of unbalanced masses disposed toward opposite ends of a diameter of said member parallel with said plane surface; and means for journaling said member in the body.

2,545,727
BURGLAR ALARM SWITCHING SYSTEM
John T. Dooley, Buffalo, N. Y.
Application August 10, 1946, Serial No. 689,647
4 Claims. (Cl. 175—320)

1. An alarm-actuating switch mechanism, comprising an electric circuit including a magnet having an armature, a switch in said circuit including a yieldable blade movable to one or the other of two positions to establish the circuit of the magnet in one of such positions, said armature being disposed in frictional contact with said blade for normally releasably retaining said switch in one of its two positions, an auxiliary switch in said circuit including on and off presetting contacts and a third contact movable into circuit-closing relation with one of said on and off contacts, a manual control member on which one of said auxiliary switch contacts is mounted for opening and closing the same and disposed in operative relation to said third contact to render the same operative or inoperative, said control member having means thereon engageable with the armature for shifting the latter to its



retracted normal position after it has been actuated to an operative switch-releasing position, a cord-winding drum including means for normally urging it to turn in a wind-up direction, and an operative connection between said drum and the third movable contact of said auxiliary switch for actuating such contact to an alarm circuit establishing position whenever the drum is caused to be turned.

2,545,728
METHOD OF FORMING GLASS TUBING
Samuel James Everett, Thornton Heath, England
Application February 27, 1946, Serial No. 650,419
In Great Britain March 12, 1945
8 Claims. (Cl. 49—84)

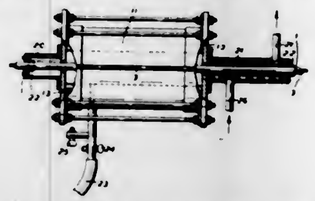


1. In a method of forming thermoplastic glass tubing having a fine quality internal surface, the steps of placing a mandrel within a length of preformed tubing, enclosing at least a substantial portion of the external area of said tubing, heating said mandrel and enclosed tubing to an elevated temperature below the normal working temperature of the tubing and in the range of 650° C. to 750° C., and applying uniform gas pressure of at least three atmospheres to the exterior of the enclosed portion of the tubing during such heating, whereby said tubing is pressed onto the mandrel, and removing said mandrel from said tubing.

2,545,729
APPARATUS FOR THE MANUFACTURE OF THERMOPLASTIC TUBES
Samuel James Everett, Thornton Heath, England
Original application February 27, 1946, Serial No. 650,419. Divided and this application September 19, 1947, Serial No. 774,918. In Great Britain March 12, 1945
2 Claims. (Cl. 49—7)

1. An apparatus for forming a thermo-plastic tube with a fine quality internal surface comprising, in combination, a furnace including a heating element for generating sufficient heat to soften said tubing, a gas-tight chamber within the heating zone of said furnace, a removable mandrel located within a piece of tubing to be formed, means for feeding into said chamber said thermo-plastic tubing containing said removable mandrel, a flexible pressure seal at one side of said chamber for making a gas-tight seal with

the thermo-plastic tubing at it enters the chamber, a source of fluid under a pressure of at least three atmospheres connected to said chamber for communication with the space about the outside of said tubing to compress said tubing onto said mandrel while in softened condition, means for withdrawing said tubing from said chamber, a



flexible pressure seal at the opposite side of said chamber for making a gas-tight seal with said tubing as it leaves said chamber, and means surrounding said tubing at the withdrawal side of said chamber for passing a coolant in close proximity to said tubing as it leaves said chamber to lower the temperature of the tubing quickly to a point where said mandrel can be removed safely.

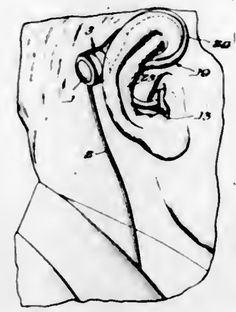
2,545,730
GRINDING MACHINE
Eugene Fouquet, Bois-Colombes, France
Application August 4, 1947, Serial No. 766,051
In France November 22, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires November 22, 1958
5 Claims. (Cl. 51—92)



1. In a grinding machine a rotating grinding wheel, a truing wheel rotating at the same linear speed as said grinding wheel and in continuous working contact with said grinding wheel, means for advancing said truing wheel with relation to said grinding wheel and means advancing together said truing wheel and said grinding wheel with relation to the work in reciprocal contact so that the working place of the grinding wheel remains invariable.

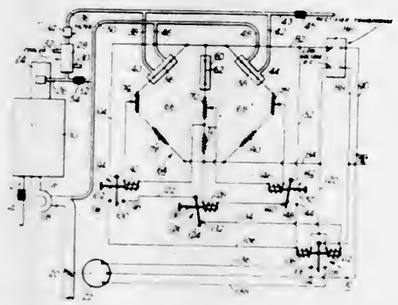
2,545,731
HEARING AID SUPPORT
George W. French, Chicago, Ill.
Application June 24, 1946, Serial No. 678,720
2 Claims. (Cl. 181—23)

1. In a hearing aid device, the combination of an elongated hollow ear piece, the intermediate portion of which is of lesser thickness than the end portions thereof, one end portion being rounded to form a tip adapted to be inserted into the ear canal of a human ear, a relatively stiff hollow tube operatively connected at one end to said ear piece and terminating at the other end in a connector adapted to be removably engageable with a sound reproducer for directing



sound therefrom to the ear piece, said tube being generally S-shaped in curvature with one loop thereof adapted to extend over and rest upon the top of the ear on which it is to be worn for supporting the sound reproducer in position behind the ear, and the other loop adapted to be positioned within the ear and engageable therewith to maintain the ear piece in position in the ear.

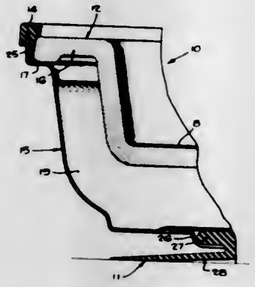
2,545,732
COMBUSTION CONTROL
James W. Hamilton, Valley Stream, N. Y.
Application March 2, 1949, Serial No. 79,182
4 Claims. (Cl. 236—15)



2. In apparatus for controlling the ratio of air flow to fuel flow to a combustion chamber to maintain the carbon dioxide content of the combustion products leaving said combustion chamber at a deesired value for efficient combustion, in combination, regulating means for regulating said air-fuel ratio, first thermal conductivity responsive means having a first electrical resistance element, the resistance of which varies as a function of the thermal conductivity of the atmosphere surrounding said element, means for passing a continuous sample of said combustion products over said element to cause the resistance of said element to vary a function of the carbon dioxide content of said combustion products, second thermal conductivity responsive means including a second electrical resistance element having a resistance which varies as a function

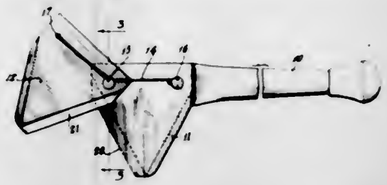
of the thermal conductivity of the atmosphere in contact therewith, said second thermal conductivity means including a standard gas having a predetermined carbon dioxide content maintained in contact with said second element, an electrical bridge circuit incorporating said first and second resistance elements and means interconnecting said electrical bridge and said regulating means, said interconnecting means being responsive to the unbalance of said bridge to operate said regulating means to cause said regulating means to increase said air-fuel ratio when the carbon dioxide content of said combustion products is higher than said desired value and decrease said air-fuel ratio when the carbon dioxide content of said combustion products is lower than said desired value, detecting means including a third resistance element, means for continuously supplying a mixture of said combustion products and air to said detecting means to cause a mixture of air and flue gas to pass continuously over said third resistance element whereby when said combustion products contains combustible components said components are burned to increase the temperature of said third resistance element, said third element being connected into said bridge circuit to interrupt the operation of said interconnecting means when the air supply to said combustion chamber is insufficient to cause complete combustion and to cause said regulating means to increase the air supply to said combustion chamber irrespective of the condition of said first thermal conductivity means.

2,545,733
CHILD'S HOT FOOD DISH
Loran W. Hatfield, Los Angeles, Calif., assignor to Edgar A. Elkins, Los Angeles, Calif.
Application November 30, 1948, Serial No. 62,757
6 Claims. (Cl. 65—15)



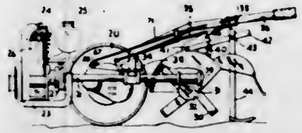
3. In a food dish of the class described: a bowl-shaped jacket having a circular bottom and a substantially vertical top edge portion; a food container within said jacket having its side walls inwardly spaced therefrom and having an outwardly extending flange at the top edge thereof; a resilient gasket radially compressed between said top edge portion of said jacket and the periphery of said flange whereby to removably retain said container in said jacket; a bezel-like ring secured to the bottom of said jacket whereby to form an inwardly facing annular groove; and a downwardly facing suction cup base substantially equal in diameter to the bottom of said jacket and having a boss with an outward flange integrally formed in the upper surface thereof, said flange being received in said groove whereby to removably secure said base to said jacket.

2,545,734
GARDENER'S TOOL
Clarence T. Holman, Glendale, Calif.
Application August 25, 1947, Serial No. 770,387
2 Claims. (Cl. 30—253)



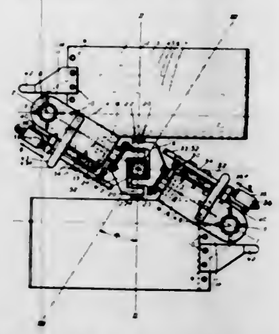
1. In a cutting tool of the character described, a handle member, a first cutting element mounted on said handle member, a second cutting element pivotally mounted on said first cutting element and movable in response to inertia forces thereon, to form a pair of cutting shears therewith, a torque spring having one of its ends mounted stationarily with respect to the first cutting element and the other one of its ends stationarily mounted with respect to the other cutting element, said torque spring having a coil portion arranged to press said cutting elements in sliding engagement, said second cutting element being moved to shear closing position against the action of said torque spring upon the application of inertia forces to said second cutting element.

2,545,735
POWER-DRIVEN CULTIVATOR
Arthur Clifford Howard, Upminster, England, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England
Application October 21, 1949, Serial No. 122,741
In Great Britain October 28, 1948
6 Claims. (Cl. 180—19)



1. A power-driven cultivator comprising a chassis of which one side frame member is detachable and the other side frame member is hollow, a ground-engaging traction cylinder rotatively supported from and between said side frame members with its axis transversely of the chassis, said traction cylinder at the end adjacent said hollow side frame member having an end wall spaced axially-inwardly of the adjacent end of the cylindrical surface whereby to form an end-depression, a power unit mounted on said chassis, a drive transmission shaft within said hollow side frame member, a driving connection between said power unit and said transmission shaft, a second driving connection between said transmission shaft and said traction cylinder and accommodated mainly within said end-depression, said second driving connection including a dog clutch which is automatically disengageable when said traction cylinder is removed after the removal of said detachable side frame member, guiding handle-bars supported from said chassis, and a mounting on said chassis for a cultivating tool.

2,545,736
ROTATING WING PARACHUTE
Vittorio Isacco, London, England
Application February 2, 1948, Serial No. 5,803
In Great Britain July 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1966
6 Claims. (Cl. 244—138)



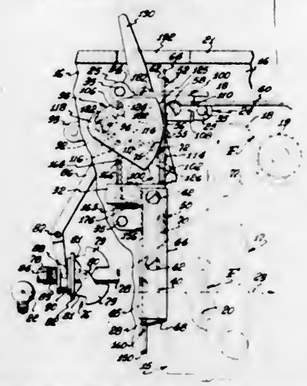
1. A rotating wing parachute comprising a rotatable mounting, a plurality of telescopic blades thereon, said blades being rotatable about longitudinal axes for variation of the pitch angle from a negative value at the start of the fall to a positive value after, a mass slidable on a radial guide, spring means acting on said mass against the centrifugal force developed thereon by rotation and means controlled by said mass for increasing the pitch angle of the blades according to the increase in the rate of rotation of the blades.

2,545,737
VARIABLE RESISTANCE PICKUP ELEMENT
Marvin B. Luke, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 1, 1947, Serial No. 783,461
8 Claims. (Cl. 179—100.41)



1. A pick-up element for producing electrical variations in response to mechanical movement, said element comprising a body of resilient rubber-like material containing an electrically conductive substance and including means for mounting said body in a condition of tension, said mounting means comprising relatively movable connectors secured to said body at spaced-apart positions to stretch and relax portions of said body between said positions under said movement to vary the conductivity thereof, said body being full molded in a dumb-bell shape with the enlarged portions of the dumb-bell at the ends and middle thereof and presenting in the intermediate reduced portions of the dumb-bell unrestrained molded surfaces subject to the stretching and relaxing movement applied at said enlarged portions, said intermediate reduced portions of the body being unrestrained and composed of said rubber-like material containing said conductive substance throughout the region of said reduced portions, and said enlarged portions having openings therein and said connectors having enlarged portions disposed in said openings and secured to the body material by a union of vulcanization.

2,545,738
FIRE SHUTTER AND DOUSER FOR MOTION-PICTURE PROJECTORS
Emanuel C. Manderfeld, Los Angeles, Calif., assignor to Mitchell Camera Corporation, Glendale, Calif., a corporation of Delaware
Application July 14, 1949, Serial No. 104,658
9 Claims. (Cl. 88—17)



1. Fire shutter means for a motion picture projection machine of the type having a light source, a film aperture and a film moving mechanism for moving a film past the aperture; said fire shutter means including a first shutter positioned between the light source and the aperture and shiftable between open and closed conditions in response to variations in the speed of the film mechanism, a second shutter between the light source and the aperture, means yieldingly urging the second shutter toward closed position, first releasable holding means for the second shutter normally acting to lock that shutter in open position, said holding means being releasable in response to predetermined variations of film position, and second releasable holding means for the second shutter shiftable between a shutter locking position in which the shutter is locked open and a shutter releasing position, said second holding means being shiftable between shutter locking position and shutter releasing position in response to variations in the speed of the film moving mechanism.

2,545,739
TRACTOR-DRAWN SCRAPER
Charles H. Martin, Huntington Park, Calif., assignor, by mesne assignments, to Towner Manufacturing Co., Santa Ana, Calif., a partnership
Application September 2, 1944, Serial No. 552,494
17 Claims. (Cl. 37—126)



1. In an implement and a hitch therefor, the hitch being adapted for connection to a tractor having a power lift mechanism for lifting and lowering the implement, the combination of: a frame adapted for connection with the tractor; means for connecting the frame with the tractor including a linkage for connecting a rear portion of the frame with the lifting mechanism; a scraper pivotally carried on the rear of said frame,

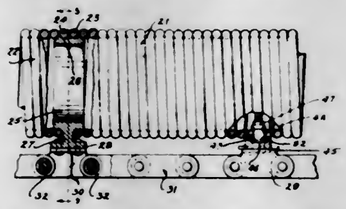
a gate for said scraper; and means connecting said gate with said linkage for movement of said gate to and from closing position with respect to said scraper as the rear portion of said frame is raised and lowered by the elevating mechanism.

2,545,740
ESCALATOR
Walter F. Masek, Coffeyville, Kans., assignor to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas
Application April 18, 1946, Serial No. 663,222
4 Claims. (Cl. 198—16)



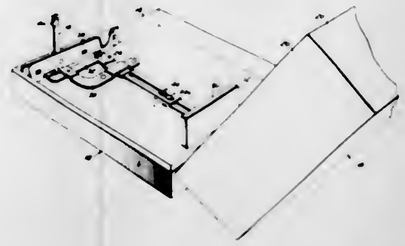
2. In an escalator having an endless roller chain drive, said chain having roller-embraced pins extending transversely at both ends of each link and all pins being the same diameter throughout the length of said chain, an inclined track, a series of stair members each having axles and wheels, said track and chain being arranged so that the orbit of the chain is substantially parallel to the orbit of the stair member axle when the wheels of the stair member roll along the track, said axles extending from the stair member through the respective wheels and terminating therebeyond in close proxmity to said chain, the end of the axle adjacent the chain having an axially extending bore of a diameter substantially corresponding to that of the chain pins, said bore terminating inwardly at a position outwardly of the inner face of the wheel thereadjacent and spaced ones of said chain pins extended beyond the chain into the bores of the respective axles.

2,545,741
ESCALATOR HAND RAIL
Walter F. Masek, Coffeyville, Kans., assignor to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas
Application April 18, 1946, Serial No. 663,223
3 Claims. (Cl. 198—16)



2. A hand rail for an escalator comprising an endless loop of elongatable material constituting the exposed grip member, an endless loop of substantially unelongatable material constituting the drive member, said grip member being peripherally longer than said drive member, and connections at intervals along the length of said grip member and said drive member, said connections maintaining said members in the same spaced relation and in vertical alignment with each other throughout the orbits of said members.

2,545,742
PORTABLE TYPEWRITER CARRYING CASE
Eugene E. Mogensen, Bayside, N. Y.
Application July 13, 1948, Serial No. 38,524
6 Claims. (Cl. 45—68.2)



1. In a portable typewriter carrying case including a base and a cover, said base including a front wall, in combination a clamping member, means mounting said clamping member on said base for movement toward and from the front wall of said base, a lever mounted on said front wall, means connecting said lever and said clamping member, said lever actuating said clamping member when moved downwardly to move said clamping member forwardly to clamp a typewriter between said wall and said clamping member, means formed on said lever for securing the front portion of the typewriter to the case when said lever is moved downwardly, and means for locking said lever in a down position with said last-mentioned means in engagement with the front portion of said typewriter whereby the front portion of said typewriter is connected to said case by said lever.

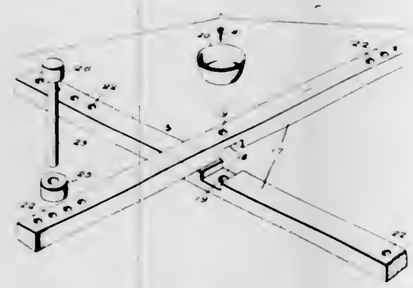
2,545,743
LADY'S UNDERGARMENT
Marion C. Morin, Fairfield, Conn.
Application May 19, 1948, Serial No. 28,017
3 Claims. (Cl. 2—43)



1. A lady's girdle type undergarment comprising a girdle portion including opposite side portions to snugly embrace and fit the hips of the wearer and intermediate portions extending between and joining the side portions for substantially the full length thereof to form the front and back portions of the garment, said side portions including lower end portions extending a short distance below the lower end edges of the intermediate portions, a pair of leg bands located immediately below the lower edges of the intermediate portions, each band extending between and attached at its ends to the front and rear inner upright edges of the lower end portion of one of the side portions which extends below the intermediate portions and being of substantially

the same width as the amount the side portion extends below the intermediate portions, and said band forming with the side portion to which it is attached a complete loop to snugly embrace the leg of the wearer below and adjacent the crotch to hold the garment from sliding upwardly.

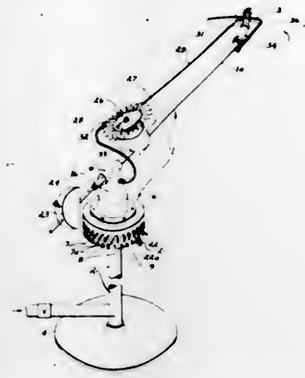
2,545,744
SKEIN HOLDER
Edith L. Nell, Logootee, Ind., assignor of one-half to Johnnie Nell, Logootee, Ind.
Application July 10, 1945, Serial No. 604,243
1 Claim. (Cl. 242—127)



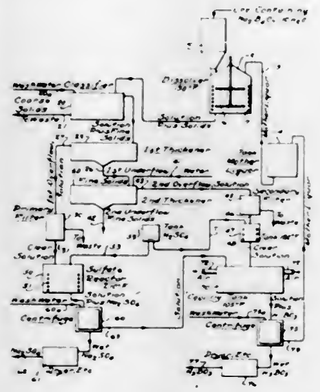
In a skein holder, a support having a flat top with a cylindrical wood stud upstanding therefrom, said stud having a flat top, a knock-down skein-supporting reel consisting of two flat, crossed, interfitting bars having central alined openings to loosely receive said stud when said reel rests upon the flat top of said support with said stud projecting above the top of said bars, a yarn-ball supporting cup having a flat, centrally-apertured bottom to contact with the projecting flat top of said stud, a headed screw extending through the aperture in said cup and threaded into the top of said stud, said reel including removable, yarn-holding pins carried by the outer portions of said bars and projecting upwardly therefrom, said pins having fixed heads on their upper ends, and flat circular collars loosely slidable on said pins between said bars and said heads, said collars being adapted to rest on the skein as it is unwound from the reel, said heads preventing said collars from being thrown off of said pins.

2,545,745
WATERING SYSTEM FOR AGRICULTURAL, HORTICULTURAL, AND SUCH LIKE PURPOSES
Roy William Newton, Collingwood, Victoria, Australia
Application August 5, 1949, Serial No. 108,754
In Australia December 22, 1947
11 Claims. (Cl. 299—69)

1. A watering device comprising a stationary support, a water supply inlet to the support, a device in the water supply inlet for intermittently admitting water to the support, a spray head, horizontally rotatable means mounted on the support and carrying the spray head, said last named means being constructed and arranged for vertical movement relative to the stationary support and including a disk-like member having a side wall, a plurality of cam members mounted on the top and bottom of the side wall, and an indexing pin affixed to the stationary support and arranged in slidable engaging relation to the cam members, whereby the intermittent supply of water will cause rising and lowering movement of the rotatable means and the engaging of the pin with the cams will cause horizontal rotation of the rotatable means.



2,545,746
PROCESS FOR THE MANUFACTURE OF BORIC ACID FROM SODIUM BORATE
Patrick Joseph O'Brien and Ronald Valda Chettle, Long Beach, Calif., assignors, by mesne assignments, to Borax Consolidated, Limited, London, England, a corporation of Great Britain and Northern Ireland
Application October 29, 1946, Serial No. 706,336
1 Claim. (Cl. 23—149)



In a cyclic process for producing boric acid from sodium borate containing ore, which process includes the steps of mixing the ore with an aqueous mother liquor to dissolve the borate, separating the resulting mixture of borate solution and insoluble material into a primary solution part which is relatively solid-free and a solid-containing part, acidulating the primary solution to form boric acid and sodium sulfate, precipitating sodium sulfate from the treated primary solution at a relatively elevated temperature, removing the precipitate, cooling the remaining solution and thus crystallizing boric acid

from the remaining solution at a relatively lower temperature, removing the boric acid crystals and returning the remaining solution as mother liquor for repetition of the cycle; the improvement which comprises diluting the said solid-containing part, separating the diluted solid-containing part into a relatively dilute secondary solution which is relatively solid-free and a second solid-containing part, acidulating the sodium borate of the secondary solution to produce boric acid and sodium sulfate, combining the relatively dilute secondary solution, before removing any solutes therefrom, with the primary solution after the said step of removing precipitated sodium sulfate from the primary solution and before completion of the said step of crystallizing boric acid from the primary solution, and cooling the combined solutions for precipitation of boric acid by evaporation of water therefrom, precipitation of sodium sulfate during that evaporative cooling being prevented by sufficient dilution of the primary solution, that dilution of the primary solution being produced primarily by its combination with the relatively dilute secondary solution, and the overall balance of the system being maintained substantially constant with respect to water, sodium sulfate and boric acid.

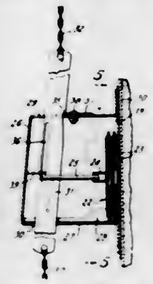
2,545,747
ROTARY SPREADER ATTACHMENT FOR GRAIN DRILLS
Albert H. Oswald and Violet M. Oswald, Greenwood, Wis.
Application March 17, 1948, Serial No. 15,468
1 Claim. (Cl. 111—85)



A rotary spreader attachment for grain drills comprising a hollow bottomless frame having elongated vertical side members and a flat top member, said members converging forwardly to form a pointed end, a blade affixed in said pointed forward end, said frame and blade forming a trench when drawn forwardly through the soil, a covering shovel fixed to each of the side members at the rear thereof, an axle mounted transversely in the frame for rotation, a wheel having a double beveled outer periphery fixed to said axle and adapted to contact the bottom of the trench for rotation of the wheel, and means over said wheel for feeding grain to the wheel, whereby the grain is spread over the area of the trench encompassed by the frame.

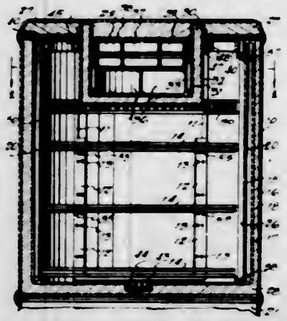
2,545,748
THERMOSTATIC VALVE CONTROL FOR WATER HEATERS
Percy E. Parkinson, Detroit, Mich.
Application April 8, 1947, Serial No. 740,191
2 Claims. (Cl. 126—351)

1. A thermostatic device for control of a heat supplying unit, said device including a metallic gas-filled chamber, the chamber being expansible by exposure to heat, a stationary support for the chamber to expose it to a heat source, a bracket mounted on said support, a vertically movable bar having a shoulder for a suspension on said bracket, link means connecting the bar with the chamber to cause a disengagement of the bar from the bracket on expansion of the chamber to permit the movement of the bar downwardly,



and means connected to the bar to disconnect the supply of heat.

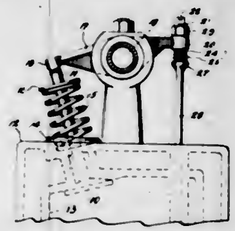
2,545,749
REFRIGERATOR CABINET STRUCTURE
Walter H. Pusch, Fort Worth, Tex.
Application March 1, 1948, Serial No. 12,215
7 Claims. (Cl. 62—89)



1. In a refrigeration unit, the combination with a cabinet having a cylindrical interior wall and an opening for accessibility and a hinged door for said opening, a rotatable rack supporting frame operatively arranged in said housing, the said frame comprising a plurality of vertical standards connected at their upper ends by concentrically arranged circular frame members, the innermost of said frame members providing an upper bearing a central pivot pin arranged in the bottom of said support and connected to the said standards by horizontal radial arms and providing a lower pivot for said rack supporting frame, means formed in each of said standards for supporting racks in said frame, and a sliding transparent closure for said cabinet adapted to be operated independently of said door.

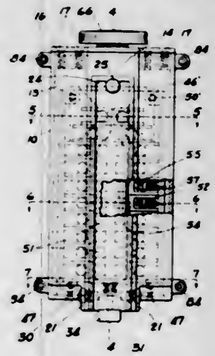
2,545,750
TAPPET VALVE SILENCER
Robert Emmit Randolph, Highland, Calif.
Application April 23, 1948, Serial No. 22,830
1 Claim. (Cl. 123—90)

Actuating mechanism for a valve of an internal combustion engine comprising a valve having a stem, a spring surrounding said stem aiding in closing said valve, a rocker arm having one end engaging the stem, a ring formed in the other end of the rocker arm having internal threads therein, a vertical arm having a reduced portion at the upper end carrying a tool engaging surface, the major portion of the vertical arm having screw threads thereon adapted to engage the internal threads of the rocker arm, the threaded portion of the vertical arm terminating in a circumferential shoulder with the inner diameter substantially the same as the upper reduced portion, a further reduced portion below the shoulder and an enlarged portion therebeyond terminating in a ball-shaped end, a compression coil spring whose outer diameter is substantially the same as the external diameter of the screw threads closely surrounding the lower end of the vertical arm and normally extending beyond the ball-



shaped end, an upwardly extending actuating rod provided with a socket on its upper end receiving the ball shaped end of the vertical arm, a relatively wide, flat and upwardly facing lip on the upper end of the actuating rod surrounding the socket, the uppermost coil of the compression spring engaging the circumferential shoulder and the lowermost coil engaging the lip, whereby the valve stem engaging end of the rocker arm is held in engagement with the valve stem by axial pressure of the coil spring and lubricant is allowed to flow freely around the vertical arm to the ball-shaped end and the socket.

2,545,751
DEVICE FOR DISPENSING MATERIAL FROM COLLAPSIBLE PASTE TUBES
Raymond D. Ruch, Burbank, Calif.
Application April 26, 1949, Serial No. 89,716
12 Claims. (Cl. 222—103)



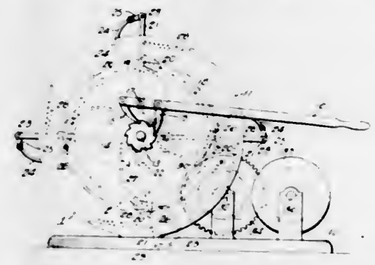
1. A dispenser for paste tubes comprising a plurality of horizontally spaced pairs of sliding, opposed pressing fingers arranged in a longitudinal series, means for supporting a paste tube between the pairs of fingers, a runner supported for movement along a path extending lengthwise of the series of fingers, means for moving the runner along said path, and coacting means between the runner and the fingers for progressively moving the pairs of fingers together to apply squeezing pressure to the interposed tube.

2,545,752
RIVET
William W. Singleton, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application August 9, 1946, Serial No. 689,493
8 Claims. (Cl. 85—40)



8. A rivet assembly comprising a hollow rivet body having an integral pre-formed head at one end thereof and a counterbore at the opposite or tail end extending axially to an annular tapered shoulder, an expandable cylindrical sleeve in the counterbore seated against the tapered shoulder, a pulling pin in the axial passage provided by the assembled sleeve and hollow rivet body, a mandrel formed coaxial and integral with the pulling pin and extending beyond the rivet tail, said mandrel having three distinct forming shoulders the smallest being adapted to provide an expanded or bulbous section intermediate the rivet ends, the largest designed to provide a tail enlargement and the intermediate diameter calculated to expand slightly the section between the first two enlargements, said expansion and enlargements to occur when the mandrel is drawn into the rivet assembly, and an engagement head on the pulling pin beyond the pre-formed rivet head whereby an axial force may be applied to draw the forming mandrel into the assembled sleeve and rivet body.

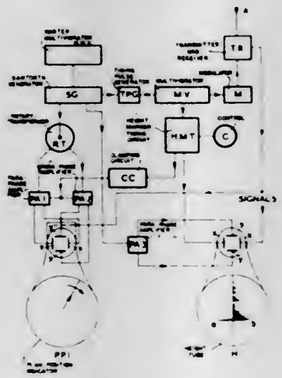
2,545,753
MOTOR
Ralph C. Thomas, Alexandria, Ind.
Application September 10, 1946, Serial No. 695,874
9 Claims. (Cl. 185—37)



1. In spring motor assemblies and in combination, a gear operatively connected with a power take-off shaft through a train of gearing including an inertia wheel, a ratcheting gear operative to advance said gear step-by-step, said gear and ratcheting gear each being mounted for rotation in single direction with the direction of rotation similar in both gears, a plurality of individual oscillable units mounted in circular succession for providing the step advances of the ratcheting gear, and actuating means including an oscillable lever for rendering the units active individually and successively, each unit including a spring adapted to be tensioned, by and during, means activity with the unit, the spring being inactive as a power source during such tensioning and becoming active as a power source for the unit concurrently with cessation of cooperation between the means and unit, the unit movement during means and unit cooperation being opposite in di-

rection to that of the ratcheting gear and being similar in direction to the latter gear during the succeeding spring activity as a power source for the unit, the unit carrying a pawl adapted to advance the ratcheting gear during the spring activity as such power source.

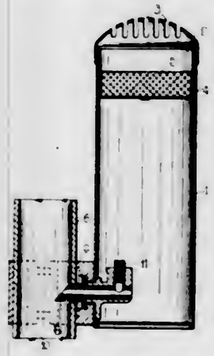
2,545,754
DELAYED PULSE RADAR NAVIGATION APPARATUS
Frederick Charles Thompson, Danbury, England
Application July 25, 1947, Serial No. 763,604
In Great Britain July 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 20, 1965
6 Claims. (Cl. 343—11)



1. An aircraft radar system in which the terrain beneath an aircraft is scanned from a substantial altitude, a pulse modulated transmitter-receiver, a rotating directive aerial device, a cathode ray tube, a time base generator connected to said aerial device, synchronizing means connected to said aerial device and said time base generator, locking means connected to said tube and generating recurrent voltage locking fronts of the same recurrence frequency as the pulses transmitted by said transmitter-receiver and each front substantially coincident with the instant of return of the first echo signal from said terrain, and control means connected to and releasing said locking means for initiating a radial time-base sweep by each of said recurrent voltage locking fronts.

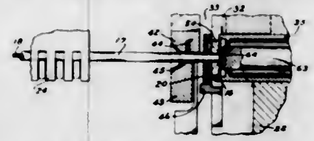
2,545,755
APPARATUS FOR DEODORIZING THE ATMOSPHERE
Harold Ward, Westhoughton, England, assignor, by mesne assignments, to Calmic Inc., New York, N. Y., a corporation of New York
Application August 21, 1946, Serial No. 691,903
In Great Britain August 31, 1945
6 Claims. (Cl. 21—74)

1. An apparatus for use in conjunction with a toilet installation including a flush pipe through which a periodic supply of water is passed, said apparatus serving for deodorizing the surrounding atmosphere and comprising, in combination, a vertically extending container forming a vertically extending pump chamber; at least one opening in the upper wall portion of said container communicating with the surrounding atmosphere so as to permit free entry and exit of air into and from said pump chamber formed within said container; a connecting pipe passing through the lower wall portion of said container firmly secured to the same and communicating at its inner end with said pump chamber within said container; means for securing said container to a flush pipe in such a manner that the other end of said connecting pipe reaches into said flush pipe permitting entry of water into said connecting pipe and through the same into said pump chamber within said container each time water is passed through said flush pipe, thereby forcing during such passage of water through said flush pipe part of said water to enter said container rising within said pump chamber while permitting after each passage of water through said flush pipe the water which has entered said pump chamber to recede and to flow back through said connecting pipe into said flush pipe; and a supply of highly volatile deodorant supported in said pump chamber within said container between said opening and said connecting pipe so that during each receding of the water in said pump chamber after each periodic passage of water through said flush pipe air is sucked in through said opening into said pump chamber and past said highly volatile deodorant resulting in partial absorption of said deodorant by said air, while during each rise of the water in said pump chamber during each periodic passage of water through said flush pipe at least part of the deodorant-containing air in said pump chamber is forced past said highly volatile deodorant—increasing its deodorant content—and expelled through said opening in the upper wall portion of said container, automatically deodorizing the surrounding atmosphere during each passage of water through said flush pipe.

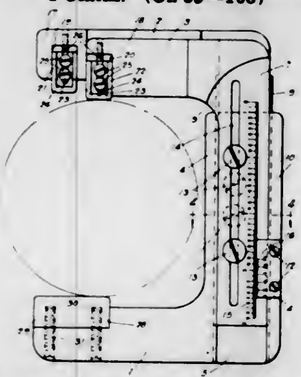


2,545,756
MECHANISM FOR APPLYING ELECTRIC TERMINALS TO STRANDED WIRES
Karl H. Andren, Milwaukee, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 24, 1947, Serial No. 750,195
4 Claims. (Cl. 153—1)

1. In a mechanism for assembling a composite electric terminal having a metallic disk abutting the insulation adjoining the stripped end of a stranded wire, means forming an assembly zone, means for delivering a centrally perforated metallic disk in predetermined position into said zone, a hollow plunger having a lip for holding the disk in said predetermined position within said zone, means for threading the stripped end of an insulated stranded wire through the central disk perforation and for thereafter holding the wire against longitudinal movement, means for subsequently moving said hollow plunger toward the wire to push one face of the disk into snug engagement with the adjacent wire insulation, a longitudinally movable rod having a central end point cooperable with the strands of the stripped wire end to spread these strands laterally, and means for revolving said rod to twist the spreading strands into firm coaction with the opposite face of the disk.

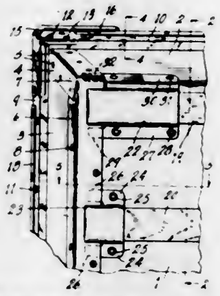


2,545,757
ADJUSTABLE SNAP GAUGE
Francis A. Barr, Laurelton, N. Y.
Application June 7, 1946, Serial No. 675,056
1 Claim. (Cl. 33—168)



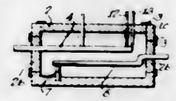
A gage comprising an L-shaped first arm having an upwardly extending shank at one end thereof, second and third L-shaped arms each having a depending shank at one end thereof, the shanks of the second and third arms being disposed at opposite sides of the shank of the first arm and formed with longitudinally extending slots, the shank of the first arm having its opposed side faces formed with undercut grooves and the shanks of the second and third arms being slidably received in the grooves and having ribs along their side edges engaged in the undercut portions of the grooves to prevent lateral displacement of the shanks of the second and third arms from the grooves, screws passed through the slots and engaged in threaded sockets formed in the shank of the first arm and when tightened gripping the shanks of the second and third arms to hold the second and third arms in adjusted positions, flanges projecting outwardly along rear edges of the grooves, plates carried by said flanges and overlapping the side faces of the shanks of the second and third arms, the plates and the shanks of the second and third arms having companion scales marked thereon, a block mounted in a recess formed in the end of the first arm remote from the shank, the second and third arms having their ends remote from their respective shanks formed with heads having recesses leading from their inner edge faces, blocks fitting in the recesses of the second and third arms and shiftable longitudinally therein and formed with longitudinally extending recesses and slots, and screws passing through the slots of the blocks and screwed into sockets in the second and third arms with their heads engaged in the recesses and gripping the blocks to hold them in set positions when tightened.

2,545,758
STACKING RECEPTACLE
Wilson F. Best, Grand Rapids, Mich.
Application November 9, 1945, Serial No. 627,669
17 Claims. (Cl. 220—97)



15. A receptacle comprising corner uprights, bottom cross pieces secured to the lower ends of the corner uprights, bottom supporting bars lapped below said bottom cross pieces, and sockets receiving the bottom bars, said sockets having flanges provided with tongues lapped upon said bottom cross pieces and welded thereto and end flanges embracing the ends of said bottom bars.

2,545,759
SUPPORTED ELECTRODE METAL RADIO TUBE
Abraham Binneweg, Jr., Oakland, Calif.
Application November 24, 1947, Serial No. 787,785
2 Claims. (Cl. 250—27.5)

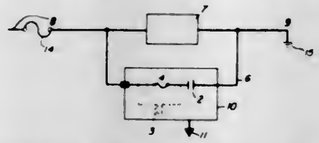


1. A radio tube comprising a shallow metallic receptacle, the bottom of which constitutes an anode, an insulating cover for said receptacle rendering it air-tight, insulating inserts in opposite walls of said receptacle, a flattened grid above the bottom of said receptacle and parallel thereto, a stiff lead attached to one end of said grid and passing through one of said inserts, a short insulating peg attached to the bottom of said receptacle and supporting the other end of said grid, a cathode parallel to the cover of said receptacle, a cathode lead passing through the other of said inserts and filament leads passing from said cathode through the cover of said tube.

2,545,760
PROTECTIVE FILTER CONDENSER UNIT
Pearl B. Blanchard, Franklin, Mass.
Application February 17, 1948, Serial No. 8,802
2 Claims. (Cl. 177—311)

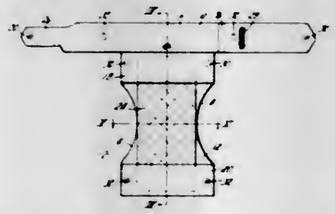
1. A protective filter condenser unit for grounded machines and appliances, adapted to be con-

nected with the grounded side and the live supply line of the machine or appliance containing the protective fuse for the said machine or appliance, comprising a metallic casing connected with the ground and with the grounded side of the machine or appliance, said casing containing a condenser, one side of which is connected with the casing and further containing a special protective and indicative device with a fusible member connected with the second side of the condenser and with the supply line for the machine or appa-



ratus containing the main fuse, said protective filter condensing unit forming a shunt around the machine or appliance and connecting the supply and the grounded side of the same, the indicative and protective device of the filter condenser unit cutting the connection between the main fuse containing supply line and the grounded line of the apparatus or machine established by the said filter condenser unit in the event of a major condenser leakage and indicating the defect in the event of a minor leakage.

2,545,761
DIAPER
Mary E. Brink, Grand Island, Nebr.
Application November 15, 1948, Serial No. 60,161
4 Claims. (Cl. 128—287)



1. A diaper comprising a substantially rectangular body member adapted to be passed between the legs of an infant with the corner portions thereof overlapping at the sides of the infant, means for releasably securing said overlapping portions together, said body member comprising an outer layer of pliable material, a next waterproof layer, a next layer of soft cloth, the forward and rearward end portions of said layer of soft cloth being folded inwardly to form pockets, a disposable inner layer of absorbent material having its end portions positioned in said pockets, and means for securing said layer of soft cloth to said outer pliable layer.

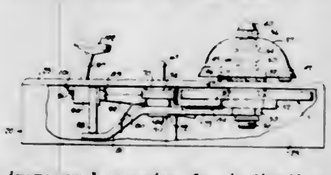
2,545,762
SHIELD FOR PRONGS OF ELECTRIC PLUGS
John W. Brown, South Euclid, Ohio, assignor to Dancyger Manufacturing Company, a corporation of Ohio
Original application May 1, 1947, Serial No. 745,272. Divided and this application August 30, 1949, Serial No. 113,130
1 Claim. (Cl. 206—46)

In combination, an electric plug having an insulated body portion with a flat side, two spaced prongs extending from said flat side, and a shield for said prongs, said shield comprising a strip of material having first and second end portions and a loop portion intermediate said end portions, said first end portion having an opening through which one of said prongs is inserted to anchor said first end portion to said prong, said second



end portion having an opening through which the other of said prongs is inserted to anchor said second end portion to said prong, said first and second end portions being disposed to fit against said flat side of said insulated body, and said loop portion of said shield extending over said prongs and constituting a hood for shielding said prongs.

2,545,763
HOSIERY PAIRER COUNTER
Charles W. Burns, Hickory, N. C.
Application March 7, 1950, Serial No. 148,124
11 Claims. (Cl. 235—128)



1. An improved counter for indicating a predetermined quantity of items as they are processed comprising a housing provided with a cover having at least one opening therein, a shaft rotatably mounted in the housing, an indicating disk fixedly mounted on said shaft within the housing and having a series of numerals thereon, said numerals being arranged in a circle, the radius of which is equal to the distance from the center of said shaft to said opening in the cover, manually operable means for imparting step-by-step rotation to the disk, each step in rotation being equivalent to the distance from center to center of each of said circularly arranged numerals appearing thereon, sound emitting means fixed on said shaft, spring means fixed on said cover and bearing against the sound emitting means and means on said sound emitting means for engaging and flexing said spring means and for releasing said spring means for causing the emission of sound from the sound emitting means at precisely the time that a predetermined numeral on said disk registers with said opening in the cover.

2,545,764
PREPARATION OF SULFANILYLTHIOUREA
Paul Charpentier, Choisy-le-Roi, France, assignor to Societe des Usines Chimiques Rhone Poulenc, Paris, France, a French company
No Drawing. Application June 26, 1946, Serial No. 679,581. In France October 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1963
1 Claim. (Cl. 260—397.7)

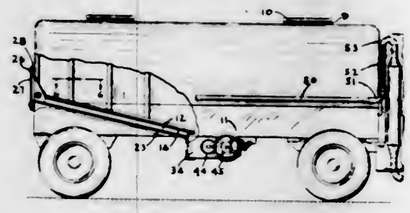
A process for the production of p-amino benzene sulphonyl thiourea by the addition of hydrogen sulphide to the corresponding p-amino benzene sulphonyl cyanamide characterized in that the reaction is effected at 50 to 100° C. in a sealed vessel in an anhydrous medium and in the presence of ammonia and of a catalyst consisting of nascent sulphur.

2,545,765
SNAP ACTING DEVICE
Carlo M. Christensen, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 11, 1946, Serial No. 682,733
12 Claims. (Cl. 200—67)



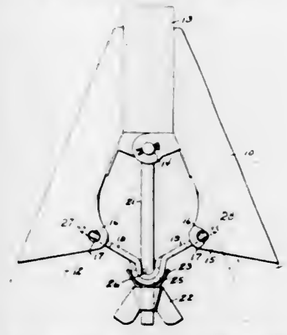
1. A snap acting switch comprising a pivoted member, an element pivoted to said member and carrying a contact at a free end, said pivotal connection between said member and said element including two spaced cooperating groove and edge connections, said two groove and edge connections being on opposite sides of said member and non-diametrically disposed with respect to the pivotal axis thereof, a second contact disposed to cooperate with said first contact, and means for pivotally moving said member to effect snap pivotal movement of said element accompanied by sliding movement of said carried contact with respect to said stationary contact.

2,545,766
BULK GRANULAR MATERIAL TRANSPORTING VEHICLE
Theodore William Cline, Bakersfield, Calif.
Application September 2, 1948, Serial No. 47,517
1 Claim. (Cl. 214—83.28)



A pneumatic unloading type of bulk granular material transporting vehicle comprising: a motorized vehicle; a tank structure mounted on said motorized vehicle; a material intake manhole attached to said tank structure; an angularly inclined floor secured at the rear section of said tank structure; an angularly inclined floor secured at the front section of said tank structure; a discharge hopper secured intermediately of and connecting to said front and rear sectional floors; air pressure chambers located beneath said front and rear sectional floors; passageways formed in said front and rear sectional floors and connecting to said air pressure chambers; compressed air manifolds secured to said air pressure chambers; removable covers releasably attached to said compressed air manifolds; a compressed air pipe manifold extending from the front to the rear of tank structure; intake pipes connecting said compressed air pipe manifold to said compressed air manifold; a pipe elbow connected to said compressed air pipe manifold; a flexible conduit securely attached to the exhaust pipe of said motorized vehicle and adapted for insertion in said pipe elbow connected to said compressed air manifold; all cooperating and co-acting to discharge under applied air pressure an air stream containing and carrying said bulk granular material through said discharge hopper.

2,545,767
TRESTLE LEG AND HINGE BRACKET
Clarence E. Dalton, Clayton, Mo., assignor to Dalton Manufacturing Company, Clayton, Mo., a corporation of Missouri
Application November 19, 1947, Serial No. 786,965
3 Claims. (Cl. 304—5)

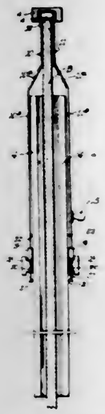


1. In a saw horse bracket hinge, the combination which comprises a pair of leg receiving brackets U-shaped in cross section and having pairs of extended lugs on the inner edges, a pin pivotally connecting the lugs of one of said pairs whereby the brackets grip a top member of the horse with the legs extended from the brackets, additional pairs of lugs with openings therethrough positioned on the lower ends of the brackets extended inwardly from the inner edges of sides thereof, hinge plates having overlapping substantially semi-circular flanges on the meeting edges thereof and having projections on the ends extended into the openings in the pairs of lugs positioned on the lower ends of the brackets, a bolt mounted on the said pin which connects the pairs of lugs of the brackets and having a threaded lower end extended through the said semi-circular flanges of the hinge plates, and a thumb nut threaded on the lower end of the bolt for urging the hinge plates outwardly.

2,545,768
VEHICLE WINDOW WIPER
Severino A. Davia, Chicago, Ill.
Application July 14, 1948, Serial No. 38,691
3 Claims. (Cl. 15—256)

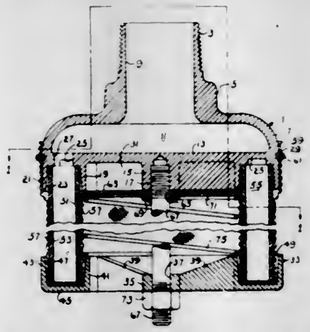
1. In a window wiper, a pair of flat, flexible metallic strip arms rigidly connected together at corresponding upper ends and each having a longitudinal slot therein near the opposite end thereof, a wiping element carried on each of said arms having a flat, T-shaped projection extending through said slot, each T-shaped projection comprising a short flat lateral stem fixed at one end to the arm and extending through the slot in the arm and at its free end having a perpendicularly disposed cross piece formed inter-

mediate its ends integrally with said stem, said cross piece being longer than the lateral length of said stem and longer than said slot, and an



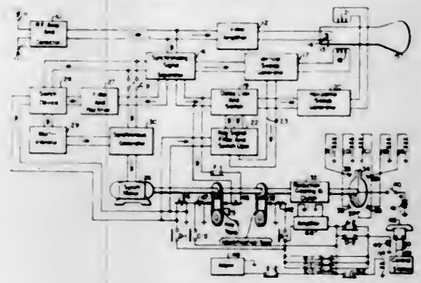
element slidable on each of said arms into a position between the cross piece on the projection and the adjacent side of the arm.

2,545,769
CYLINDRICAL BAG FILTER ELEMENT
La Vern H. De Haven, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application March 27, 1946, Serial No. 657,545
13 Claims. (Cl. 210—170)



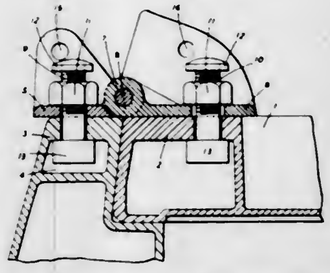
13. In a filter element, the combination of a top head, a groove formed in said head and having an inner wall, two spaced perforated cylinders concentrically mounted in said groove, a cylindrical cloth bag having its closed end disposed in the inner cylinder adjacent the inner wall and being folded across the ends of the cylinders and drawn up over the exterior cylinder, a clamping disc disposed in the bag adjacent the closed end, having a diameter greater than the inner wall and adapted to clamp the closed end of said bag there against, means forming aligned openings in said head, bag and disc, a tie rod adapted to enter said openings, means for connecting the tie rod to the head for holding the disc in clamping position, a bottom head, means on said head for holding the cloth against the ends of the cylinders and the cylinders in place, and means on the tie rod for forcing said bottom head against said cylinders and cloth.

2,545,770
CODED-SIGNAL RECEIVER WITH REVERTIVE SIGNALING
Alexander Ellett, River Forest, Ill., and Malcolm M. Hubbard, Marblehead, Mass., assignors to Zenith Radio Corporation, a corporation of Illinois
Application March 26, 1949, Serial No. 83,622
11 Claims. (Cl. 178—5.1)



1. In a subscription type of signal receiver for utilizing an electrical signal coded in accordance with a predetermined code schedule and received over a first signal channel, and for utilizing a key signal representing said code schedule and received from a central station over a second signal channel: a reproducing device; apparatus for supplying said electrical signal to said reproducing device; a decoding device coupled to said apparatus and responsive to application of said key signal for decoding said coded electrical signal; a signal storage device having stored therein an identification signal; scanning apparatus for scanning said storage device to transmit said identification signal to said central station over said second channel; and a switching device for decoupling said scanning apparatus from said second channel and for effectively coupling said decoding device to said second channel after transmission of said identification signal.

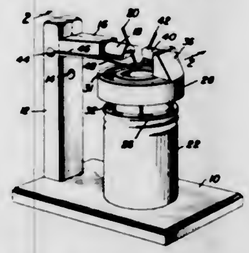
2,545,771
MANHOLE AND INSPECTION COVER AND FRAME
Vivian Elkington, Watford, England
Application April 2, 1945, Serial No. 586,245
In Great Britain May 15, 1944
1 Claim. (Cl. 94—36)



The combination with a manhole frame and cover, each of which is provided with a cavity having a slotted opening thereinto, of a hinge device for connecting the cover to the frame, said hinge being composed of a frame hinge plate and a cover hinge plate pivotally connected thereto, said plates having bolt openings therethrough,

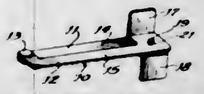
an adjustable fastening member for detachably connecting the frame plate of the hinge to the frame and having a head at one end thereof for seating in the recess of the frame when the fastening member is slidably inserted in said frame, said fastening member having an adjustable nut thereon for clamping the frame plate of the hinge in position on the frame, and a retaining member at the end of said fastening member opposite the head above referred to, a second fastening member for detachably connecting the cover plate of the hinge to the cover and having a head at one end receivable in the recess of the cover, and an adjusting nut thereon for clamping the cover plate of the hinge on the cover.

2,545,772
ANT TRAP
Oliver W. Fisher, Sr., Baton Rouge, La., assignor of one-half to Oliver W. Fisher, Jr., Baton Rouge, La.
Application September 1, 1949, Serial No. 113,579
5 Claims. (Cl. 43—121)



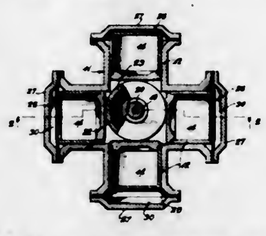
1. An ant trap comprising a base, a post carried by said base, a jar having an open upper end and supported on said base, an oil retaining annular channel at the upper open end of said jar, a bait retaining container provided with a central aperture above and communicative with the open upper end of said jar, means for removably retaining said container on said jar, a first pin adjustably carried by said post, a second pin, means for adjustably retaining said second pin on said container adjacent said first pin, a third pin, and means for resiliently supporting said third pin on said post beneath said first and second pins, all of said pins constituting runways for ants and terminating immediately above said central aperture provided in said bait container.

2,545,773
COLLAPSIBLE TUBE WINDING AND EXTRUDING KEY
Anthony A. Gonzalez, Chicago, Ill.
Substituted for abandoned application Serial No. 729,797, February 20, 1947. This application August 21, 1948, Serial No. 45,462
6 Claims. (Cl. 222—99)



1. A collapsible tube winding and extruding key comprising a pair of clamping jaws including end portions having a pivotal interconnection, each of the said clamping jaws including a body portion and the said body portions of the said clamping jaws having substantially flat adjacent uniplanar surfaces adapted to be disposed in contacting engagement with each other and one above the other and to clamp a flattened portion of a collapsible tube therebetween, the said clamping jaws including end portions opposite the end portions thereof having the aforesaid pivotal interconnection providing finger grips for manipulating the said key and winding a collapsible tube therearound during the collapsible tube winding and extruding operation, and the said key including means on the said end portions of the said clamping jaws on which the said finger grips are arranged for detachably latching the said clamping jaws together one above the other and against movement relative to each other about their said pivotal interconnection during the collapsible tube winding and extruding operation.

2,545,774
ROTARY FLUID MOTOR AND VALVE MEANS FOR CONTROLLING THE SAME
Donald G. Griswold, San Marino, Calif.
Application February 25, 1946, Serial No. 649,854
40 Claims. (Cl. 121—121)

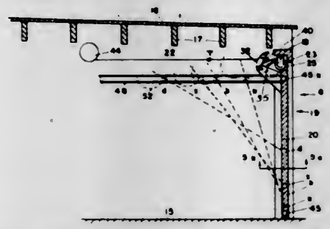


1. In a fluid motor: a housing having a plurality of radially disposed cylinders; pistons in said cylinders; a shaft rotatably mounted in said housing and having an eccentric portion intermediate its ends engageable by said pistons, said shaft having a valve pin extending centrally of the shaft and beyond the end thereof; means closing the ends of said cylinders; a flexible diaphragm at the end of each cylinder adapted to engage the piston and cooperate with the cylinder closure means to form a pressure chamber outwardly of the diaphragm, said housing having a valve chamber provided with an inlet passage and an exhaust passage; a rotary disk valve mounted on the valve pin in said chamber between the inlet and outlet passages; and individual fluid passages connecting the respective pressure chambers with said valve, said valve being adapted to rotate with the valve pin and shaft for successively connecting the individual fluid passages with the inlet and outlet passages, said valve pin being rotatably adjustable with relation to the remainder of the shaft for adjustably positioning the valve to control the flow of fluid to and from the respective pressure chambers and thereby control the direction of rotation of the shaft.

2,545,775
GARAGE DOOR OPERATING DEVICE
Harvey H. Hall, Denver, Colo.
Application May 2, 1946, Serial No. 666,648
4 Claims. (Cl. 268—74)

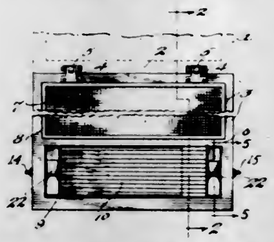
1. In an automatic power operated garage door of the rigid overhead type in which the upper end of the door moves inwardly at the beginning of the opening movement, means for opening the door comprising a winch drum, a cable having one end attached to the drum, a pulley supported

in fixed position above the top of the door, the cable passing around the pulley, downwardly along the outside of the door and attached to the latter adjacent its lower end, means for guiding the movement of the lower end of the door comprising spaced vertical tracks, means for supporting and guiding the upper end of the door comprising inwardly extending tracks, two upwardly extending and outwardly concave spaced fingers secured to the door, on its inner surface,



adjacent its upper end, the fingers being rockable through a small angle about a pivot carried by the door and spaced inwardly therefrom, the fingers straddling the cable, an enlargement on the cable between the fingers and the pulley, and means for latching the door in closed position comprising a pawl operatively connected with the finger assembly and rotatable therewith, the pawl being moved to unlatching position when tension is applied to the cable.

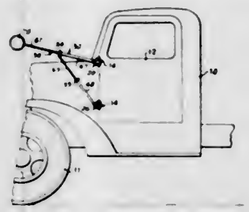
2,545,776
WINDOW GUARD
Ausdille T. Hamilton, Alexandria, La.
Application July 5, 1946, Serial No. 681,622
2 Claims. (Cl. 160—105)



1. In combination with a window frame and an upper and lower sash slidably mounted therein, a window guard suspended from said upper sash and adapted to be detachably received in the upper sash guide track in the opposite lower sides of said window frame, said guard including a screen in its upper portion and an adjustable ventilator in its lower portion, oppositely disposed apertures in the side of said ventilator, bushing caps in said apertures, spring projected locking pins slidably mounted in said bushing for locking the guard in fixed position to said window frame, and exteriorly disposed guard caps completely covering said locking pins.

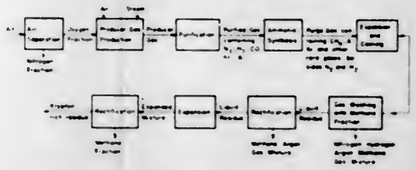
2,545,777
SUPPORT FOR REARVIEW MIRRORS
Harry L. Hardin, Charlotte, N. C.
Application August 4, 1948, Serial No. 42,500
2 Claims. (Cl. 248—279)

1. In a mirror support for an automotive tractor, said tractor having a cab and a door hingedly mounted on the cab by upper and lower hinges having hinge bolts therein, a frame on which the mirror is mounted comprising a bracket mounted on the hinge bolts of each of the hinges, a tubular shaft secured at one end thereof to the lowermost bracket and having a rod slidably mounted therein and means on the tubular shaft for clamping the rod at any desired position relative to the tubular shaft, a second tubular shaft se-



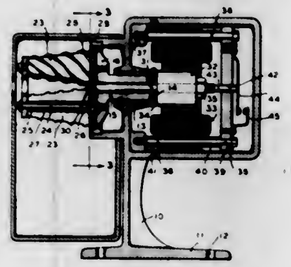
cured at one end thereof to the uppermost bracket, the second tubular shaft having a shaft slidably mounted therein on the free end of which is mounted a mirror, means on the second tubular shaft for clampingly securing the shaft on which the mirror is mounted in any desired position relative to the uppermost tubular shaft, and the rod being connected to the free end of the second tubular shaft to thereby vertically adjust the mirror relative to the door.

2,545,778
PROCESS FOR THE PREPARATION OF KRYPTON-RICH GASES
Pieter Jan Haringhuizen, Geleen, Netherlands, assignor to De Directie van Staatsmijnen in Limburg, Heerlen, Holland
Application October 26, 1948, Serial No. 56,512
In the Netherlands October 28, 1947
2 Claims. (Cl. 23—209)



1. A process for the preparation of a krypton-rich gas fraction, which comprises preparing a gas mixture comprising nitrogen and hydrogen by reaction of oxygen-enriched air and steam with carbonaceous material in a producer-gas generator, synthesizing ammonia at a pressure about 300 atmospheres from said gas mixture, purging the non-reacting gases from the ammonia synthesis, by withdrawing a fraction of the unreacted gases, subsequent to condensing of the resulting ammonia, from the main portion gas mixture, expanding the purged gas mixture to reduce the pressure thereof to about 30 atmospheres and cool the gas to slightly above the dew point of methane at said expanded pressure, washing said expanded gas mixture in countercurrent with a liquified methane fraction, collecting the resulting wash liquid containing krypton, rectifying said wash liquid to separate argon therefrom, reducing the pressure upon the argon deleted fraction, rectifying the same to separate methane therefrom, and collecting the resulting krypton-rich residue.

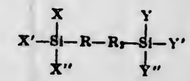
2,545,779
ELECTRIC PENCIL SHARPENER
Riva R. Harrison, Monument Beach, Mass.
Application April 13, 1948, Serial No. 20,790
4 Claims. (Cl. 120—96)



1. A pencil sharpener comprising a base, a bearing carried by said base, a cutter carrier journalled in said bearing, cutters rotatably mounted in said cutter carrier, a gear on the inner end of each cutter, a ring gear mounted on said base and constructed and arranged to engage the gears on said cutters, a motor secured to said base and including an armature, an axially movable drive shaft supporting said armature, said drive shaft being journalled in an aperture in said cutter carrier, a driving pinion on the end of said shaft, said pinion engaging the gears on said cutters thereby providing a speed reducing planetary gearing system, a fixed contact secured to the frame of said motor, a movable contact fixed to the frame of said motor in engagement with the end of said drive shaft remote from said pinion and normally out of engagement with said fixed contact, said drive shaft, cutter carrier and armature being constructed and arranged to be moved axially upon insertion of a pencil between the cutters to close said contacts, thus energizing said motor, said contacts being constructed to automatically open to de-energize said motor upon removal of said pencil, or release of pressure thereon.

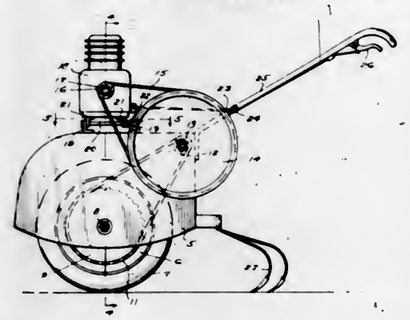
2,545,780
CYCLOALIPHATIC SILANES
David B. Hatcher and Raymond H. Bunnell, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application August 9, 1948, Serial No. 43,354
6 Claims. (Cl. 260—448.2)

1. An organo-silicon compound having the general formula



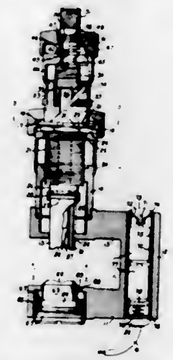
in which R is an alkylene radical having from 2 to 5 carbon atoms, R_2 is a cycloalkylene radical having from 5 to 12 carbon atoms, consisting of a cycloaliphatic nucleus having from 5 to 6 carbon atoms, and having not more than 3 alkyl side chains containing a total of not more than 6 carbon atoms, and each of the radicals X, X', X'', Y, Y' and Y'' is a hydrolyzable radical.

2,545,781
HAND GUIDED TRACTOR
Frederick Hesterberg, Norborne, Mo.
Application June 7, 1946, Serial No. 675,204
1 Claim. (Cl. 180—19)



A power-operated walking plow comprising a body having a handle, a power plant, a pair of cross bars on said body, a pair of guide rods on said bars, front and rear bottom brackets on said power plant slidably mounted on said guide rods and supporting said power plant on said rods for advance and retraction, a traction wheel supporting said body, a drive between said plant and wheel including a belt tightened by advance of said plant and loosened by retraction of said plant, helical springs on said rods between one cross bar and said rear brackets for advancing said plant and yieldingly opposing retraction of said plant, a hand grip lever pivoted on said handle for squeezing toward the handle by a hand grasping said handle and lever, and a pull cable connection between said plant and lever for retracting said plant in opposition to said springs when said lever is squeezed toward said handle, said lever being freely swingable away from said handle when released to permit advance of said plant by said springs.

2,545,782
MICROMETRIC INSULATION TESTER
Adolph C. Hugin, Washington, D. C.
Application January 12, 1948, Serial No. 1,710
22 Claims. (Cl. 33—143)



20. A measuring device having a frame, an anvil having a measuring face, a measuring piston member extensibly mounted in said frame and having a measuring face, at least one of said measuring faces being centrally cylindrically

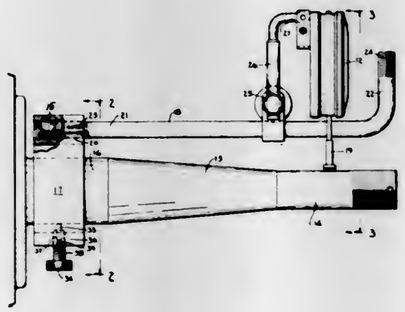
grooved and nonrotatable, means for measuring the gap between said measuring faces of said anvil and said measuring piston member, a measuring plunger having a sharply pointed end extensible through one of said faces toward the other of said faces, means for indicating the extension of said pointed end of said plunger beyond said one face through which said end is extensible, means for indicating contact of the conductive portion of an insulated electrically conductive member under measurement by said pointed end of said plunger extending through the insulation of the member under measurement.

2,545,783
RAILROAD TIE PULLER
Ed C. Johnson, Nunn, Colo.
Application April 1, 1949, Serial No. 85,003
3 Claims. (Cl. 254—44)



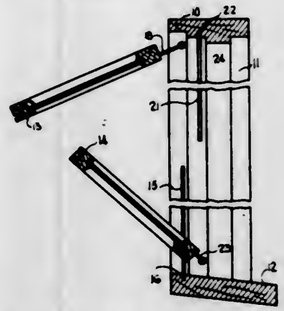
1. A railroad tie puller comprising a platform, means carried by the platform for engaging a pair of rails, a tong operating lever mounted on the platform for pivotal movement, a pair of tongs disposed beneath the platform, a swivel connecting the tongs to the operating lever, and means secured to the platform for actuating said operating lever to pull a tie from the rails on which the platform is supported.

2,545,784
ALIGNMENT DEVICE SUPPORT
Howey J. Kenner, Oakland, Calif.
Application December 29, 1944, Serial No. 570,342
2 Claims. (Cl. 248—230)



1. In a device of the character described, a collar having a threaded stem-receiving opening and a generally cylindrical shaft-receiving opening with its axis parallel to that of said first opening and having adjacent said first opening angular related planar bearing surfaces intersecting each other at an imaginary line passing through the centers of the two openings, a supporting member mounted in said collar opposite said bearing surfaces and adjustable radially of the collar, and a bearing stud resiliently carried by said member for longitudinal movement therein along said line.

2,545,785
WINDOW
Alphonse Lamonde, Quebec, Quebec, Canada, assignor to Honore Beaupre, St. Raymond, Quebec, Canada
Application June 18, 1946, Serial No. 677,599
2 Claims. (Cl. 20—45)



1. A window frame and sash construction comprising a frame formed of vertical side members, a head and a sill, said side members and head having stepped inner faces, upper and lower sashes engageable in adjacent steps, a vertically disposed guide bar fixedly disposed in each step adjacent top and bottom ends respectively thereof and having a length less than the length of a sash, each sash having a vertical groove in the stiles thereof within which said guide bar loosely engages, and a second guide bar in each step pivotally secured at one end to a side member at the end opposite from the fixed bar of said respective step and normally aligning with said fixed bar, said second bar being longer than the sash stile and providing a means whereby said sashes may be swung outwardly at opposite ends of said frame when moved out of engagement with said fixed guide.

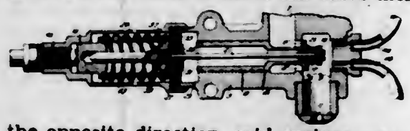
2,545,786
5-METHOXYQUINOXALINE-1,4-DI-N-OXIDE
Justus Kenneth Landquist, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 19, 1950, Serial No. 163,102. In Great Britain July 20, 1949
2 Claims. (Cl. 260—251)

1. 5-methoxyquinoxaline-1,4-di-N-oxide.

2,545,787
PRESSURE REDUCING VALVE
Clayton B. Leach, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 2, 1944, Serial No. 520,721
8 Claims. (Cl. 50—23)

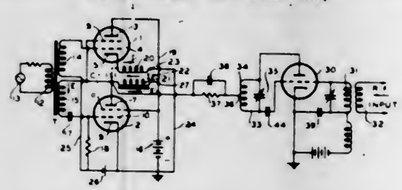
1. In a pressure responsive valve, a body having a high pressure region, a low pressure region, a passage therebetween, a valve member movable on said body, means on said valve member to restrict said passage, pressure responsive means

constructed and arranged to be responsive to the pressure in one of said regions and directly connected to said valve to move said valve member in one direction, spring means directly connected to said valve member to move the valve member



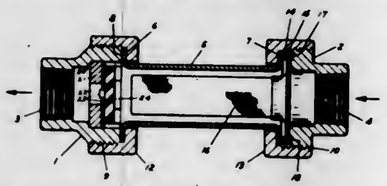
in the opposite direction, said springs mean including a first spring having a positive load-deflection rate within the range of valve actuation and a second spring acting in parallel with the first spring and having a negative load-deflection rate substantially equal to the rate of said first spring within the range of valve actuation.

2,545,788
MODULATOR SYSTEM
Frank H. McIntosh, Chevy Chase, Md.
Application December 22, 1948, Serial No. 66,743
28 Claims. (Cl. 332—43)



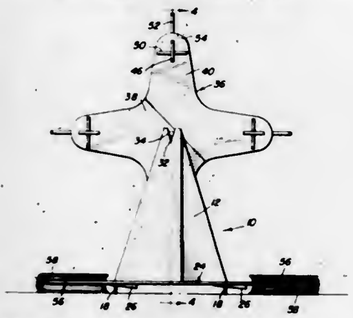
1. A modulation system, comprising, a push-pull modulator having an output circuit, said output circuit comprising a pair of unity coupled windings, a source of radio frequency oscillations to be modulated comprising an electronic tube having an electrode responsive to control potential for determining the amplitude of said oscillations, and means for transferring control potential from a single point of said unity coupled windings to said electrode.

2,545,789
INSERTABLE STRAINER
Wesley G. Miller, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application May 10, 1947, Serial No. 747,311
1 Claim. (Cl. 210—164)



An insertable straight line strainer for insertion in a pipe line comprising opposed fittings being flanged and having an externally threaded portion and opposed parallel faces, a flanged strainer member having an outwardly directed flange on one end thereof in engagement with the face of one of said fittings, an insertable tubular member having the ends thereof flared arcuately outwardly disposed between the faces of said fittings, one end of said flared portion of said tubular member engaging the flanged portion of said strainer, said strainer being disposed in said tubular member, and internally threaded, L-shaped members disposed on said tubular member and longitudinally movable thereon having the internally threaded portion thereof threadably engageable with the externally threaded portion of said fittings to sealingly engage the flared out portions of said tubular member, the flared out portion of said tubular member in engagement with said flanged portion of said strainer member being in sealing engagement therewith, and washers disposed on opposite sides of the flanged portion of said strainer member.

2,545,790
COLLAPSIBLE YARN HOLDER
Fred C. Newmaker, Warren, Pa.
Application April 16, 1948, Serial No. 21,455
2 Claims. (Cl. 242—115)

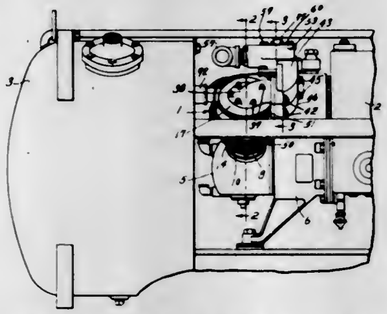


1. A yarn holder comprising a base having slots therein, a pair of side walls having upper and lower portions, ears projecting from the lower portions of said side walls and extending downwardly through the slots in said base to provide supporting feet for the base, means carried by the ears holding the same relative to said base, the upper portions of said side walls being turned inwardly to provide channel members, said channel members having notches therein, a shaft mounted in said notches and extending between said side members, said channel members having inner leg portions, and a rotatable member mounted on said shaft and disposed between the inner leg portions of said channel members.

2,545,791
FLUID COMPRESSOR
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 13, 1944, Serial No. 558,554
15 Claims. (Cl. 230—24)

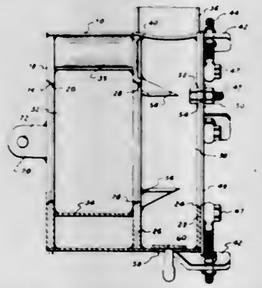
1. In combination, a compressor having at least one inlet valve and an intake connection and at least one discharge valve and a discharge connection, an intake closure type unloader valve for shutting off flow through said intake connection, a check valve disposed to permit flow from said compressor through said discharge connection and to prevent flow past said check valve towards said compressor through said discharge connection, a vent valve for venting the space between said compressor and said check valve by connecting said discharge connection to atmosphere, and means for effecting closing of said intake closure type unloader valve and opening of said vent valve to effect unloading of said compressor and to prevent, during unloaded opera-

tion, the development of excessive temperatures in the compressor due to the raising of the pressure of any fluid which may leak past said intake closure type unloader valve through an excessive number of compressions, said means for



effecting closing of said intake closure type unloader valve and opening of said vent valve including means for transmitting movement from said unloader valve, as it moves towards closed position, to said vent valve, to effect opening of the latter.

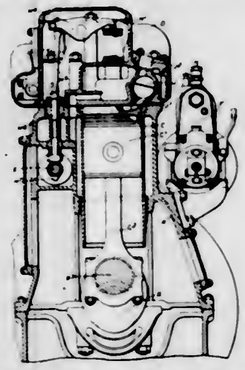
2,545,792
PIPE COATING SHOE
Lewis Perrault, Tulsa, Okla., assignor to Perrault Bros., Tulsa, Okla., a partnership
Application March 11, 1946, Serial No. 653,640
6 Claims. (Cl. 91—30)



1. A device for applying coating material to a pipe or the like and comprising an annular segmental housing having apertured end plates, a plurality of segmental arcuately-shaped flat plates disposed on the housing adjacent one end thereof in spaced relation to the pipe, means providing adjustment of the plates relative to the pipe, and means disposed within the housing to prevent misalignment thereof during travel along the pipe.

2,545,793
INTERNAL-COMBUSTION ENGINE OPERATING ON THE FOUR-STROKE CYCLE WITH COMPRESSION IGNITION
Harry Ralph Ricardo, London, England, assignor to Ricardo & Co. Engineers (1927) Limited, London, England, a company of Great Britain
Application June 22, 1948, Serial No. 34,417
In Great Britain June 23, 1947
3 Claims. (Cl. 123—32)

1. An internal combustion engine operating on the four-stroke cycle with compression ignition including, in combination, a pair of similar working cylinders having inlet and exhaust ports, a pump cylinder disposed between and parallel to the working cylinders and communicating directly with the inlet ports of the working cylinders, working pistons and a pump piston respectively in the working cylinders and the pump cylinder, a common crank shaft to which the three pistons are connected, the crank throw connected to the pump piston being displaced by 180° from the crank throws connected to the working pistons, and the volume displaced by one stroke of the pump piston being greater than the volume displaced by one stroke of either of the working pistons in a ratio between 1.5:1 and 2.5:1, poppet valves controlling the inlet and exhaust ports of the working cylinders, a cam shaft driven from



said engine, connections between said cam shaft and said valves to drive the valves in such timed relation to the rotation of the crank shaft that the power strokes in the two working cylinders occur alternately, a cylindrical valve housing extending transversely across the upper end of the pump cylinder, communicating at one end with the atmosphere and having ports in its circumferential wall opening into the pump cylinder, a hollow ported piston valve disposed to reciprocate within the valve housing and having ports therein which communicate with the ports in the valve housing twice during each complete cycle of operation of the said ported valve, and means rotating at half crank shaft speed for reciprocating said ported valve so that it performs one complete cycle for each two revolutions of the crank shaft.

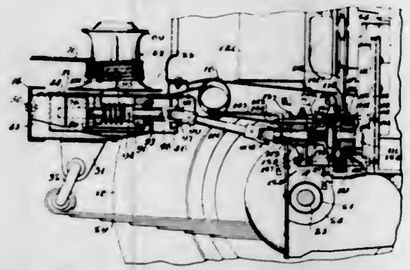
2,545,794
CULINARY IMPLEMENT
Clarence F. Roberts and Ernest Buckly, Chicago, Ill.; said Buckly assignor of one-sixth to said Roberts
Application September 30, 1948, Serial No. 52,035
3 Claims. (Cl. 294—7)



1. A spatula comprising a rod of spring wire bent intermediate its ends to form a pair of spaced yielding arms movable toward and away from one another in a common plane, one of said arms being longer than the other arm, a spatula blade fixed to the longer arm adjacent its end remote from the bend in the rod, the shorter arm having a notch opening through its end and

lying perpendicular to the plane of movement of the arms, an inverted U-shaped guide fixed to the longer arm adjacent the spatula blade and enclosing the notched end of the shorter arm, a lever pivoted intermediate its ends in the guide in spaced relation to the longer arm, a tongue on one end of the lever for entrance into the notch in the shorter arm and a spatula blade fixed to the lever adjacent its end remote from the tongue for cooperation with the first mentioned spatula blade in gripping foodstuffs between the blades.

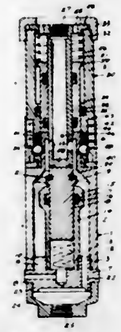
2,545,795
POWER TRANSMISSION DEVICE
Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application August 12, 1944, Serial No. 549,210
8 Claims. (Cl. 254—166)



1. In combination, a mobile vehicle; an engine carried by the vehicle and arranged to drive the same; said engine having a rotatable member projecting exteriorly thereof and driven thereby; said rotatable member having a plurality of openings therein; a bracket arranged forwardly of said engine; a plurality of bars supporting said bracket from said engine; a shaft journaled in said bracket; a clutch element slidable along said shaft and having means engageable in the openings in said rotatable member for establishing drive connection between said member and said shaft; a yoke associated with said slidable clutch element; and manually operable means connected to said yoke for shifting the same to move said clutch element to operative or non-operative position.

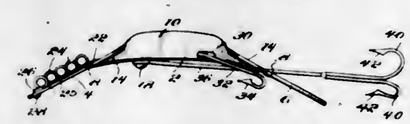
2,545,796
QUICK-RELEASE COUPLING FOR HIGH-PRESSURE FLUID LINES
Albert T. Scheiwer, Erie, Pa.
Application October 8, 1947, Serial No. 778,597
4 Claims. (Cl. 284—19)

1. A coupling comprising a male coupling member having a connecting portion with a peripheral groove and an inwardly directed flange, a guided check valve adapted to sealingly engage the inwardly directed flange on the connecting portion of said male member; and a female coupling member comprising a cylindrical shell having cam retaining apertures, cam members in said apertures for engaging the peripheral groove on the connecting portion of said male member, a spring-urged locking sleeve for locking said cam members into locking engagement with the peripheral groove on the connecting portion of said male member to connect said male and female coupling members together, a bored cylindrical member having laterally extending apertures and a spring-urged sleeve sealingly engaging said outer shell and said inner cylindrical member adapted to cover the laterally extending apertures in said cylindrical member, and hold said cam members outwardly in the path of said locking sleeve when said female



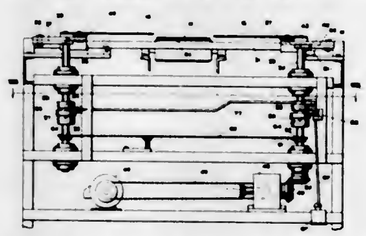
coupling member is disconnected, the connecting portion of said male member being adapted to move said movable sleeve in said female member longitudinally to uncover the laterally extending apertures in said cylindrical member whereby fluid flows between said coupling members.

2,545,797
FISHING LURE
Stephen L. Secrest and Paul A. Secrest, Lorain, Ohio
Application March 1, 1948, Serial No. 12,288
1 Claim. (Cl. 43—42.5)



A fishing lure comprising a curved body of sheet metal having fore and aft extensions slightly angular to the curve of the body, vertical side walls on the body, and lateral fins on the side walls in pairs, each pair being in the same plane as the adjoining extension.

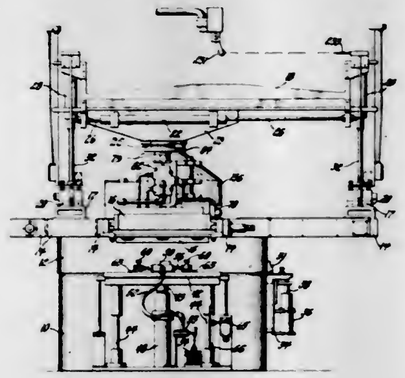
2,545,798
SHEET FOLDING MACHINE
Robert L. Sjostrom, Andover, Mass.
Application March 16, 1948, Serial No. 15,065
20 Claims. (Cl. 270—84)



1. Means for effecting parallel folds of sheet material comprising a stationary central plate and side plates all having cooperating straight edges which are disposed substantially mutually parallel, the plates occupying parallel planes

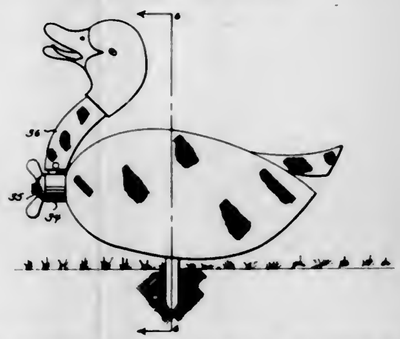
with the side plates being in substantially the same plane and the central plate in a plane below that of the side plate, means for feeding and directing the sheet material so that a portion thereof underlies the central plate and other portions overlie the side plates and means for moving the side plates within their respective planes laterally in phased reciprocal motion over the central plate and returning them to their normal side positions for effecting a lengthwise fold of the sheet material.

2,545,799
APPARATUS FOR PRODUCING SAND CORES AND THE LIKE
Robert R. Snow, St. Catharines, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 26, 1946, Serial No. 665,231
7 Claims. (Cl. 22—10)



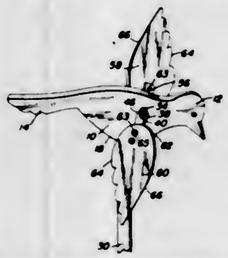
2. In apparatus of the class described, a turntable, a plurality of core boxes carried by the turntable, means for intermittently rotating the turntable to a plurality of stations, one of said stations being a core box top removing station and a diametrically opposite station being a core box top replacing station, a slidable member above the turntable movable horizontally back and forth in the vertical plane through the axis of the turntable and said core box top removing and replacing stations, an electromagnet at each end of the slidable member, hydraulically operated means for moving the slide and electromagnets in a horizontal plane above the turntable, hydraulically operated means carried by the slide to move vertically the two electromagnets in unison, automatic means for energizing the electromagnets to pick up core box tops when the slide is at one end of its travel and after lowering of said electromagnets, for maintaining the energization of said electromagnets while the electromagnets are raised, while the electromagnets and core box tops are moved by the slide to the opposite end of its path of travel and while the electromagnets are lowered and for deenergizing the magnets to release the core box tops after the electromagnets have been lowered at said opposite end of the path of travel of said slide, and hydraulically operated means for locking the turntable in a stationary position during movement of the slide and electromagnets.

2,545,800
FOLDING GOOSE AND DUCK DECOY
John M. Viken, Devils Lake, N. Dak.
Application June 23, 1947, Serial No. 756,379
2 Claims. (Cl. 43—3)



1. A collapsible goose or duck decoy comprising a central shaft, frame members pivoted to the central shaft, a covering extended over the frame members and adapted to be extended to form the body of the decoy or to be collapsed or folded for the purpose of being transported, and head means secured to one end of the shaft exteriorly of the frame members.

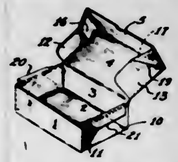
2,545,801
ORNAMENTAL ROTATABLE BIRD, INCLUDING ROTATABLE WINGS
Joseph J. Wrasen, East Paterson, N. J., assignor of one-half to Peter Wrasen, East Paterson, N. J.
Application November 17, 1947, Serial No. 786,373
2 Claims. (Cl. 46—53)



1. A lawn decoration comprising an upright having an axial recess in its upper end, a reinforcing cap on the upper end of said upright and having a central aperture in registry with said recess, a flat body member having a lower edge, said edge being convexed longitudinally and also transversely, a portion of said edge being upon said cap, a pivot pin depending from the lower edge of said body member and received in said aperture and said recess for rotation, said body member having a horizontal opening therein, a horizontal bearing sleeve fixed in said opening, a shaft journaled for rotation in said sleeve and including threaded end portions projecting from the ends of said sleeve, a pair of nuts threaded on each end of said shaft, a pair of straps, each of said straps having a hole receiving the shaft, said straps being held on the ends of the shaft by said pairs of nuts, said straps being clamped between the nuts of each of said pair of nuts, a pair of flat wings, said straps projecting laterally from

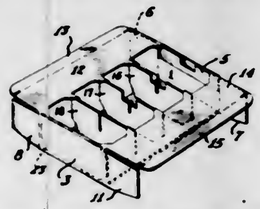
diametrically opposite sides of said shaft and having twisted outer end portions disposed at an inclined angle relative to each other and to the shaft, and fasteners securing the twisted end portion of said straps against said wings to retain the wings inclined relative to each other and to the shaft.

2,545,802
HINGED LID AUTOMATIC BOX
Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees
Application October 8, 1945, Serial No. 621,033
5 Claims. (Cl. 229—31)



1. A knock-down, one piece box having a bottom portion with front, bottom, back and end walls, said front, back and end walls being connected by bellows folding corner webs, portions of said webs being connected to outer sides of said end walls, and an articulated lid portion having top, front and end walls, the bottom portion end walls having flaps articulated to their upper edges and foldable outwardly and downwardly over said folded webs, the top portion having tabs articulated to its front wall whereby said front wall is secured to adjacent side walls of said top portion, said tabs having their upper edges recessed so as to come into interlocking relationship with said flaps.

2,545,803
PARTITIONED CARTON
Robert M. Bergstein, Wyoming, Ohio
Application August 12, 1947, Serial No. 768,131
17 Claims. (Cl. 229—28)



1. A partitioned carton comprising a boxboard blank adapted to be tubed, and having a plurality of body walls in articulation and a glue flap at one end, end closure elements articulated to one at least of said body walls, one of said body walls constituting a top wall having partition elements formed therein, each of said partition elements having a point of articulation to the top wall, having a depth equivalent to the width of an adjacent body wall, and having an attachment flap at a point remote from its point of articulation to the top wall, said partition elements being formed in said top wall so as to extend in the direction of the axis of a tubular structure formed from said blank, said blank being tubed so as to bring said attachment flaps against an opposite body wall in offset relationship, said attachment flaps being in said relationship to said opposite body wall in the tubed structure, so that when the tubed structure is erected, said partition elements will automatically be erected.

2,545,804
LAMINATED CARD
Roy E. Butler, San Francisco, Calif.
Application June 7, 1948, Serial No. 31,520
2 Claims. (Cl. 40—10)



2. A laminar article comprising an inner lamina bearing indicia and two thermoplastic outer laminae applied to opposite surfaces of said inner lamina, said laminae being permanently bonded together, one of said outer laminae having an opening formed therethrough exposing a portion of said inner lamina for signature thereof and being bonded to said inner lamina over an area surrounding said opening, and at least one of said outer alminae transmitting light for inspection of said indicia.

2,545,805
HEATING APPARATUS
Edwin M. Callender, Cynwyd, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1946, Serial No. 687,443
2 Claims. (Cl. 219—34)

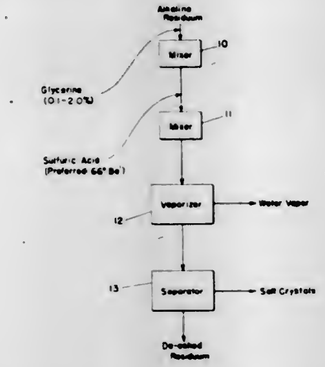


1. Heating apparatus comprising in combination, a radiant heating panel producing radiant heat substantially uniformly over an extensive surface area, a plurality of superposed parallel plates disposed in spaced relationship vertically away from the surface of said heating panel, said plates being transparent to radiant heat rays but being closed against convection currents and being low heat conductors, means sealing the spaces as a whole above the panel and between plates with a vacuum therebetween, and partition walls in each space dividing it into honeycombs of smaller spaces, the partition walls being perpendicular to the heating panel and plates.

2,545,806
DEASHING PETROLEUM RESIDUA
Evan E. Davis, Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 25, 1950, Serial No. 146,222
3 Claims. (Cl. 196—40)

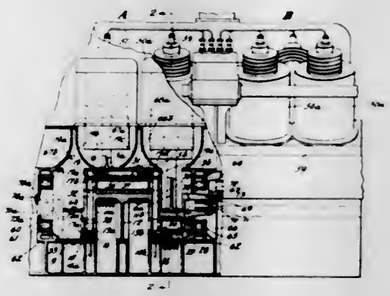
1. Process for treating petroleum residuum containing alkaline naphthenates to remove inorganic matter which comprises mixing the re-

siduum with 0.1–2.0% glycerine by volume, treating the mixture at an elevated temperature with sulfuric acid in amount sufficient only to substan-



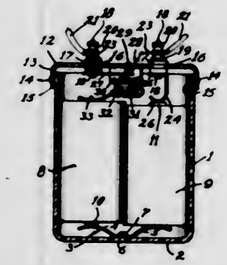
tially neutralize the residuum, vaporizing water from the treated residuum, thereby obtaining salt crystals of relatively large size, and separating said crystals from the treated residuum.

2,545,807
ENGINE COOLING
Bror Algor de Waern, Akeslund, Sweden
Application August 1, 1947, Serial No. 765,414
In Sweden January 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 9, 1962
5 Claims. (Cl. 123—41.31)



5. An internal combustion engine comprising in combination, a plurality of pistons, a plurality of cylinders for said pistons, a crankcase having a plurality of compartments corresponding in number to the number of said cylinders, a crankshaft journaled in said crankcase and provided with disc like arms adjacent the crankpins of said crankshaft separating said compartments from each other, the crankpins of said crankshaft having a bore therethrough containing a tubular member of smaller diameter than said bore so as to form an annular channel through the respective crankpin, conduit means extending through the arms of said crankshaft for interconnecting said annular channels, said annular channels being arranged to be connected with a source of cooling fluid, cooling fins connected to said crankpins and extending into said annular channels, conduit means associated with the periphery of some of said arms and communicating with the outside of the adjacent crankpin for conveying lubricating fluid thereto, said conduit means being separated from said compartments.

2,545,808
CIRCUIT TESTER
Robert J. Du Pree, Waitsburg, Wash.
Application October 17, 1949, Serial No. 121,738
2 Claims. (Cl. 175—183)

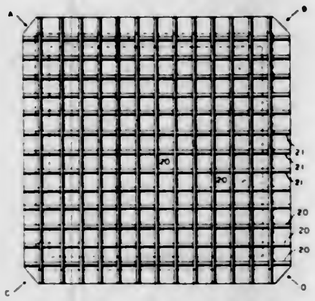


1. A circuit tester comprising a casing formed of insulation and open at its top, a metal cover removably applied to said casing, a bridging contact in the casing, said contact consisting of a strip of resilient metal secured midway its length against the inner surface of the bottom of the casing and having its end portions bowed upwardly and forming longitudinally curved resilient contact arms spaced from the bottom, batteries disposed in said casing in side by side relation to each other, one battery having the bottom of the shell resting upon one arm of the bridging contact and its center position pole presented upwardly, the other battery having its center pole presented downwardly and resting upon the other arm of the bridging contact, terminal posts mounted through said cover and insulated therefrom, a resilient contact arm extending downwardly from the inner end of one of said posts and having its lower end portion bent laterally and forming a longitudinally curved terminal portion bearing upon the center pole of the first battery, a resilient vibrator arm extending laterally from the inner end of the second post and having a vibrator point at its free end, a vibrator point carried by said cover over the vibrator point of said vibrator arm, a substantially U-shaped bracket mounted against the inner face of said cover and straddling the vibrator arm and the vibrator points, a magnetic coil carried by and extending downwardly from said bracket in cooperating relation to said vibrator arm, a resilient arm extending laterally from the lower end of said coil and having a downwardly bowed portion bearing upon the upwardly presented end of the casing of the second battery, and insulated wires connected with outer ends of said terminal posts and carrying testing prods at their outer ends.

2,545,809
DECORATIVE PANEL
Raymond B. Faulk, Dearborn, Mich.
Application April 18, 1945, Serial No. 589,055
5 Claims. (Cl. 41—10)

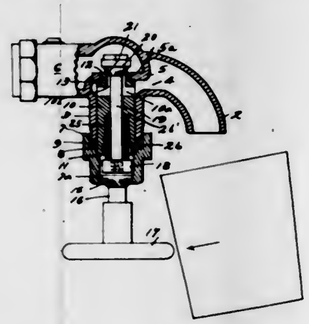
1. For decorating an outer wall of a container a panel comprising a structure consisting of a

multiplicity of outwardly open rectangular cells, the septa for said cells having certain analogous faces similarly colored and other analogous faces



differently colored, said septa being made of transparent material with their edge surfaces free of color material.

2,545,810
GLASS FILLER FAUCET
Ralph J. Fisher, Altadena, Calif.
Application June 17, 1946, Serial No. 677,335
2 Claims. (Cl. 251—116)

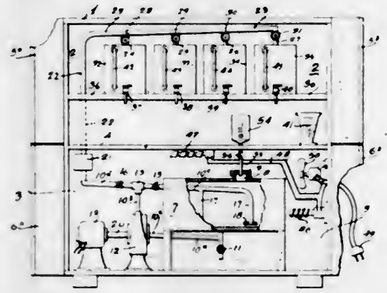


1. A glass filler faucet including a main body having a supply chamber and a discharge spout, a cross-wall dividing the chamber from the spout, an elongated tubular bearing whose top end is shouldered and countersunk in said cross-wall and opens into said chamber and has discharge ports to the spout, a barrel part rigid with and perpendicular to said body and in which said bearing is removably mounted, a boot screwed on the barrel and jamming the bearing to seat on said cross-wall, a valve spindle slidably fitted in the barrel and having a closure on its top end, to seal on the top of the bearing to stop fluid flow to the spout, a button on the lower end of the spindle and spaced below and adjacent to the lower end of the bearing, an elastic, expansive tube telescoped in the bearing and confined therein against said button and operative on the spindle to pull said closure to its closing position, and a tiltable lever having a part journalled in said boot and having an effective cam face spaced slightly below and operatively engageable with the button whereby to force the spindle upward and open said closure.

2,545,811
PLASTICIZED POLYVINYL RESIN
Stanford J. Hetzel, Cheltenham, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 25, 1948, Serial No. 46,190
2 Claims. (Cl. 260—31.6)

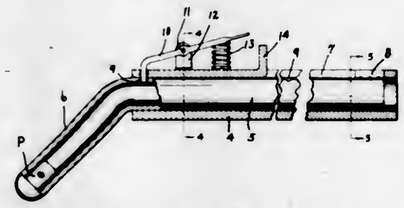
1. A process of plasticizing a polyvinyl chloride resin which comprises the step of milling together said resin with, as plasticizers, 1,5-pentanediol diesters of acids obtained by partial oxidation of kerosene.

2,545,812
COMBINED FLUID MIXING AND DISPENSING DEVICE
Leo W. Hosford, San Francisco, Calif.
Application January 17, 1945, Serial No. 573,223
8 Claims. (Cl. 222—129)



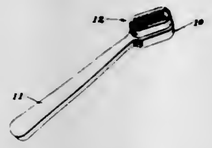
1. In a unitary mixing, storage and dispensing device for several different fluids, the combination of a housing having movable closure means for access thereinto, and containing a mixing tank, means for introducing the desired ingredients into said tank, means for agitating the contents of said tank, means including a pump, a motor for driving said pump, conduits, and valves for transferring said mixed fluid from said tank, and for receiving said mixed fluid a plurality of individual storage containers having dispensing means.

2,545,813
EXTENSIBLE HANDLE ASSEMBLY
Andrew H. Jackson, Opportunity, Wash.
Application August 23, 1946, Serial No. 692,575
1 Claim. (Cl. 155—28)



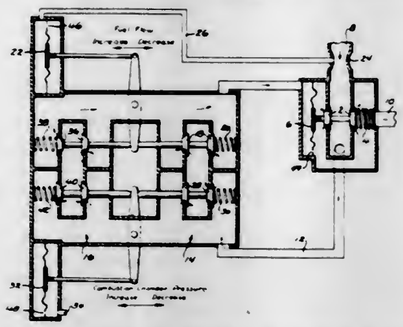
In an extensible handle, the combination with a cylindrical housing having a longitudinally extending slot having an inner end wall, a spring-pressed detent mounted on the housing, and a flanged abutment on the housing forming a guard for the detent and a stop at the outer end of the slot, of a cylindrical handle bar slidable in the housing and having spaced sockets for said detent, and a guide lug rigid with the handle bar and slidable in the slot.

2,545,814
DEVICE FOR TREATING TEETH AND GUMS
George A. Kempster, Ashland, Mass.
Application September 15, 1945, Serial No. 616,531
3 Claims. (Cl. 15—188)



1. A device of the class described comprising supporting means embodying a base portion, a vessel embodying and bounded by an oval-shaped wall supported by said supporting means, a bottom for said vessel from which said wall extends outwardly, a plurality of more than four tines spaced apart extending laterally from each of opposite sides of said wall towards and directly opposite each other, the extremities of said tines at opposite sides being spaced apart laterally whereby there is a space extending longitudinally of said vessel, said tines at the longitudinal extremities of said wall being shorter than the tines at an intermediate portion thereof.

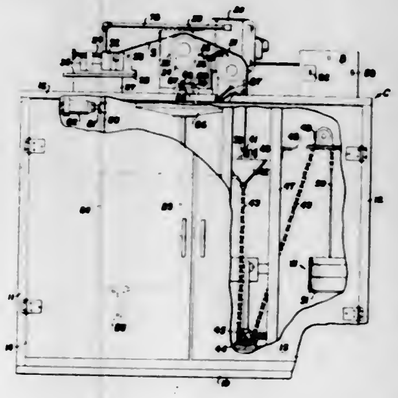
2,545,815
PULSE JET METERING UNIT
Earl R. Klinge, Detroit, Mich., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application August 17, 1946, Serial No. 691,214
8 Claims. (Cl. 60—44)



2. A fuel metering device comprising a valve, means responsive to a control pressure to open the valve, fuel flow responsive means and combustion chamber pressure responsive means coacting to vary the control pressure, said control pressure is not affected unless the fuel flow and combustion chamber pressure are either both increasing or both decreasing.

2,545,816
FATIGUE TESTER
John P. Koester and Robert J. Purdy, Piqua, and Orion W. Berglund, Dayton, Ohio, assignors to The Orr Felt and Blanket Company, Piqua, Ohio, a corporation of Ohio
Application June 29, 1948, Serial No. 35,796
12 Claims. (Cl. 73—91)

9. In apparatus for subjecting a specimen of a felt to a fatigue test, the combination of: fixed anchorage for one end of a specimen, a support member spaced from said anchorage and adapted to have the specimen passed thereover for support thereby, a weight, means operatively connecting said weight to the free end of the specimen beyond said support member, means positioned between said anchorage and said support member for repeatedly flexing the specimen between said fixed anchorage and said support member, and means operably connected with said means connecting said weight with the specimen to releasably hold the same in a fixed position while the specimen is flexed.



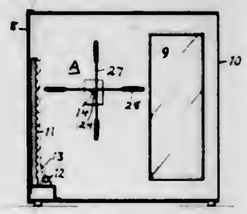
11. In the testing of paper making felts, the method of subjecting a specimen of such a felt to a fatigue test, which comprises the steps of: (a) fixedly positioning opposite ends of a test specimen with the specimen under tension, (b) repeatedly stretching the specimen while so tensioned, (c) intermittently releasing one end of the specimen while the other end remains in its fixed position and concurrently therewith retensioning the specimen to remove slack therefrom.

2,545,817
SEALING CLOSURE
Carroll P. Krupp, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 8, 1943, Serial No. 509,427
21 Claims. (Cl. 24—205.1)



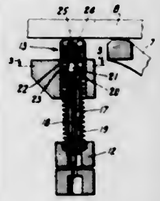
1. A flexible closure for sealing adjacent separable margins both of which are subject to flexure, said closure comprising separable fastener elements at said margins interengaging one another and uniting the margins in the closed condition of the closure, a stringer at each margin supporting said fastener elements in series, and sealing elements comprising resilient rubber-like material mounted directly upon and supported by said fastener elements and the stringers at said margins in position for engaging one another in overlapping relation in the closed condition, one of said sealing elements including a marginal portion of said rubber-like material tapering to an edge, said marginal portion and the other sealing element being in such relative position that upon engagement of said fastener elements said edge contacts and resiliently presses against said other sealing element in sealing relation therewith by lip-action flexure of said edge.

2,545,818
BARBECUE APPLIANCE
Charles R. Larkin, Fort Wayne, Ind.
Application August 30, 1949, Serial No. 113,067
3 Claims. (Cl. 99—421)



2. A barbecue appliance consisting of a housing having an open front, a heater disposed in the back of the housing, a drive-shaft extending through the housing between the heater and the front thereof provided with means to activate it, a food rack having an angle bar disposed astride the drive-shaft and having locking engagement at the ends thereof with said shaft, and radially disposed spits secured on said angle bar adapted to have impaled thereon parcels of food, said food rack being adapted to be removed bodily or replaced with respect to the drive-shaft.

2,545,819
VERIFYING DEVICE
Clifford C. Leatherman, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 20, 1948, Serial No. 28,085
4 Claims. (Cl. 73—156)



1. In a verifying device for statistical card machines, an element operable for sensing perforations in a card and for engaging said card in the absence of a perforation, means to exert pressure upon said element to operate the same, a member through which said sensing element extends and having movement with said element under the influence of said pressure means and also having movement relative to said element when the latter contacts the card, a guide for said member, and means carried by said member and coacting with said guide and element upon relative movement of said member to prevent further movement of said element and member when the former contacts said card.

2,545,820
QUICK-SETTING RATE FLOW NOZZLE
Paul E. Lehr, Brea, Calif.
Application February 24, 1948, Serial No. 10,308
7 Claims. (Cl. 226—129)



1. In filling apparatus for dispensing a liquid through a hose with a hand-nozzle into a tank having a filling opening into which the nozzle may be inserted; the combination of a spout, a casing carrying the same, a valve in the casing past which the liquid flows, a manually operated member on the casing operatively connected with the valve, capable of moving the same to its full open position, a spring-biased latch associated with the manually operated member, and an adjustable stop on the casing having a shoulder, a dog movably mounted on the side of the spout for engaging the edge of the said opening, and means connecting the same to said manually operated member; all of said parts co-operating when the dog is pulled against the edge of the opening, to move said manually operated part to enable the latch to snap over said shoulder and hold the manually operated member in an intermediate position with the valve in a partially open position to deliver the liquid at a reduced rate of flow.

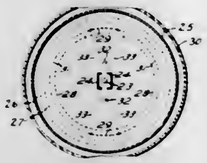
2,545,821
METHOD OF REDUCING REFRACTORY OXIDES
Thayer Lindsley, New York, N. Y., and Peter P. Alexander, Beverly, Mass., assignors to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
No Drawing. Application September 10, 1948, Serial No. 48,772
2 Claims. (Cl. 75—84)

1. The method of producing chromium substantially free of hydrogen which comprises forming an intimate finely divided mixture comprising chromium oxide and an alkali metal hydride, heating said mixture to form a reduction product comprising chromium and the water soluble oxide of the alkali metal, and leaching the reduction product with water to remove the water soluble oxide thereby obtaining chromium substantially free of hydrogen.

2,545,822
ELECTRON BEAM VACUUM TUBE
George B. Loper, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company Incorporated, New York, N. Y., a corporation of New York
Application March 20, 1946, Serial No. 655,664
8 Claims. (Cl. 250—27.5)

1. An electron beam vacuum tube having a cathode, electron beam forming means, a signal

grid, a screen grid, a suppressor grid, an anode, and electrostatic means between said cathode and said signal grid for deflecting the electron

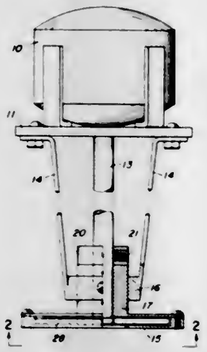


beam away from said signal grid while maintaining said anode current substantially constant.

2,545,823
QUICK-DRYING WRITING INKS
Raymond L. Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,210
4 Claims. (Cl. 106—20)

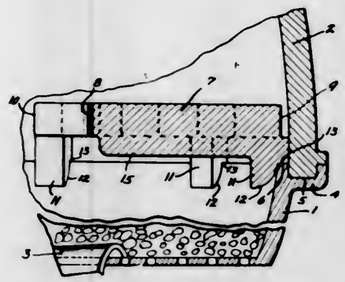
1. A quick-drying writing ink comprising in solution a copper phthalocyanine of the benzene series having attached to the phenylene nuclei a plurality of unsubstituted sulfonamide groups, a hygroscopic polyhydric alcohol, water and caustic alkali, the content of caustic alkali in the ink being equivalent to from about one-half to two and one-half percent of sodium hydroxide.

2,545,824
STIRRER
Richard A. McDonald, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 13, 1948, Serial No. 59,797
3 Claims. (Cl. 259—96)



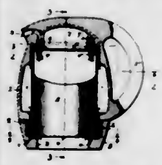
1. A rotary stirrer adapted to emit a thin sheet of liquid within a shallow liquid body, comprising an enclosed disc-like chamber, a plurality of rotary blades within said chamber adapted to establish centrifugal flow, an inlet near the center of said chamber adapted to admit liquid flowing by gravity into said chamber, and a discharge opening at the periphery of said chamber comprising an elongated thin slit adapted to direct a thin sheet of liquid away from the central axis of said chamber.

2,545,825
CLINKER SHELF
Ina L. Meilleur and Joseph Meilleur, Spokane, Wash.
Application January 4, 1949, Serial No. 69,188
4 Claims. (Cl. 126—242)



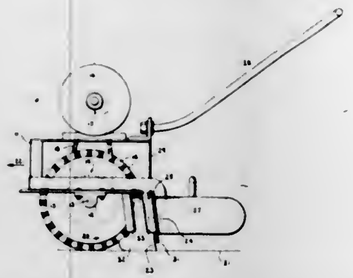
3. In combination with a furnace including a fire box open at its top and a head open at its lower end and resting upon the upper edge of the wall of the fire box with portions of the fire box wall projecting inwardly from the head and forming a ledge surrounded by the lower end of the head; a clinker shelf comprising a body disposed horizontally and having an outer edge disposed over a portion of said ledge and an inner edge spaced laterally from the vertical center of the fire box, and legs extending downwardly from the outer edge portion of said body in spaced realtion to each other longitudinally thereof and formed with shoulders resting upon the ledge and supporting the shelf above burning coal in the fire box, said legs having portions extending downwardly below the ledge and bearing against the inner surface of the wall of the fire box and bracing the shelf against tilting movement off of the ledge.

2,545,826
CAN OPENER
Robert F. O'Hara and John H. Weisling, Milwaukee, Wis.
Application June 23, 1948, Serial No. 34,597
1 Claim. (Cl. 222—86)



In a can opener comprising a housing, having a can receiving cavity opening out through its lower end, a head on the upper end of the housing having an internal stop shoulder and an open neck at its bottom end, the side wall of the cavity being spaced from a can inserted in the cavity to develop an air passage from the housing neck to the head cavity, the head having a spout duct and a vent duct in communication with the cavity, can puncturing spurs extending from the spout duct and vent duct into the cavity, an open ended shoudered cap in threaded connection with the housing neck, the upper face of the cap shoulder being provided with vent slots, whereby air is admitted to the bottom of the housing to the cavity for venting a can inserted in said housing.

2,545,827
SCRAPING MACHINE
Calvin L. Posey, Memphis, Tenn.
Application August 21, 1946, Serial No. 691,993
1 Claim. (Cl. 15—93)

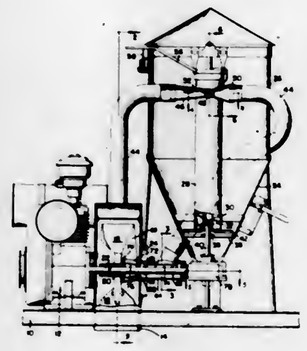


A scraping machine comprising a substantially cylindrical rotary front scraper having a central drive shaft and peripheral scraping blades adapted to engage a surface to be scraped, a frame pivotally supported on said central drive shaft, a motor carried by said pivoted frame to drive said rotary front scraper and thereby propel the machine over the surface to be scraped, a rigid brake member to selectively regulate the scraping action of said rotary front scraper, said rigid brake member comprising a rear scraper consisting of a rigid blade pivoted to said pivoted frame and located at the rear of said rotary front scraper, the axis of the blade pivot being substantially horizontal and in a vertical plane that is perpendicular to the axis of said rotary front scraper, said pivoted frame being movable about the axis of its own pivot to raise and lower said rear scraper, and a regulating handle carried by the pivoted frame and movable to forcibly depress said pivoted rear scraper into braking contact with a surface to be scraped, thereby retarding the machine and causing the rotary front scraper to perform its scraping functions, the machine being solely supported by said rotary scraper when said rear scraper is separated from said surface, and said rear scraper being freely tiltable about the axis of its pivot to effective scraping positions at various angles differing from inclinations of the bottom of said rotary scraper.

2,545,828
PROCESS OF RECLAIMING SCRAP OF SYNTHETIC AND NATURAL RUBBERS
Robert L. Randall, St. Louis, Mo., assignor, by mesne assignments, to Midwest Rubber Reclaiming Company, East St. Louis, Ill., a corporation of Delaware
No Drawing. Application November 28, 1945, Serial No. 631,481
7 Claims. (Cl. 260—2.3)

1. The process of reclaiming previously vulcanized rubber scrap composed of a substance selected from the group consisting of natural rubber, a rubbery copolymer of butadiene and styrene and a rubbery copolymer containing a major amount of isobutylene and a minor amount of a diolefine, which consists in adding to one of said scraps not in excess of 30% by weight of a reclaiming agent which is Gray Tower resin oil obtained as a residual by-product in the refining of gasoline and treating the mixture with steam until the scrap is softened and rendered sufficiently plastic to be reused in the manufacture of vulcanized articles.

2,545,829
DUSTER
Warren M. Spreng, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Application July 12, 1947, Serial No. 760,635
22 Claims. (Cl. 43—148)



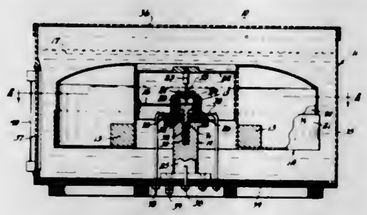
1. In a device for dispensing insecticidal dust and the like; a blower having an inlet and outlet opening; a dust hopper; means for presenting a portion of the dust at the bottom of the hopper to a position near the top thereof; a conduit extending from said dust hopper to the inlet of said blower to provide a closed dust conveying passage from said hopper to said inlet; and means, including a venturi positioned near the top of said hopper, for introducing dust from the top of said hopper into said conduit in response to the passage of air through said conduit, said air passing through said conduit conveying the dust introduced thereinto to said inlet and subsequently to the atmosphere.

15. The method of dispensing insecticidal dust and the like which includes, establishing a main air flow for distributing a dust over a selected distribution area, establishing a secondary circulation of dust to provide a relatively uniform movement of dust in an established circulating flow, diverting a portion of said main air flow for recirculation and return to the said main air flow, creating in the said diverted portion an area of low pressure which communicates directly with said secondary circulation of dust whereby to withdraw a uniform quantity of dust for admixture with said diverted portion of air, and thereafter delivering the so admixed dust and diverted air portion into the main air flow for distribution thereby.

2,545,830
MAGNETIC COMPASS
Ralph T. Squier and Leslie E. Dewey, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 29, 1947, Serial No. 738,170
10 Claims. (Cl. 201—48)

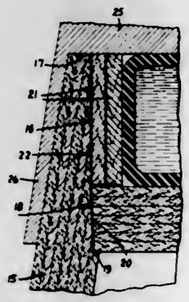
1. In a magnetic compass, float means, a container enclosing said float means and having a liquid fill adapted to buoy up said float means within said container, said container including a pedestal and a contact block slidably mounted

therein, a pivot pin secured to said float means and adapted to engage said contact block to pivotally mount said float means, and control means including an annular resistor and a resilient wiper, said resistor being mounted on said pedestal concentric with and within said float means, said wiper being mounted on said float means and



tangentially engaging said resistor, said wiper being so positioned on said float means and said resistor on said pedestal that the point of engagement of said wiper with said resistor is in substantially the same horizontal plane as the point of engagement of said pivot pin with said contact block.

2,545,831
BARRELHEAD CONSTRUCTION
Herbert E. Thyen, Jasper, Ind., assignor to Jasper Wood Crafters, Inc., Jasper, Ind., a corporation of Indiana
Original application October 31, 1947, Serial No. 783,243. Divided and this application October 7, 1948, Serial No. 53,225
1 Claim. (Cl. 217—72)

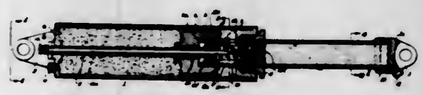


A barrel head construction comprising, a plywood barrel wall forming a side wall of a plywood barrel having an opening to receive a plywood barrel head, said side wall having the inner periphery of the end portion thereof formed to a cylinder to slidably receive a barrel head and terminating in a tapered seat of decreasing diameter relative to said cylindrical portion, a plywood barrel head having a tapered edge periphery cooperating with said tapered seat and slidably received in said end portion, and a ring having an outer cylindrical surface positioned in said end portion between said head and the end edge of said wall in engagement with said end portion and said head to retain said head in said end portion, the contacting surfaces of said ring, said head and barrel wall being secured together by adhesive.

2,545,832
METHOD FOR MANUFACTURING LAMINATED ARTICLES
John K. Wagers, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 27, 1945, Serial No. 613,028
2 Claims. (Cl. 154—140)

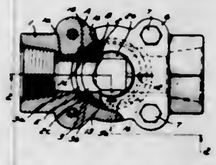
1. In the production of a laminate from sheets of water-absorptive cellulosic fibers and polymer of a diallyl ester of a dicarboxylic acid, the improvement which comprises, in combination, the steps of: (1) impregnating a plurality of sheets of said water-absorptive cellulosic fiber in a solution of said polymer and a peroxide polymerization catalyst; (2) superimposing a plurality of the thus impregnated sheets to form an uncured laminate; (3) forming a film of said polymer and peroxide polymerization catalyst on a smooth metal surface; (4) subjecting said film to a temperature of 100° C. to 150° C. for a limited time between 10 and 30 minutes to partially polymerize the film to a fusible polymer which is tacky to hard at 20° C.; (5) placing the partially polymerized film while still attached to said metal surface upon the surface of the above-said cured laminate; (6) subjecting the laminate and the partially polymerized film on said metal surface to a temperature between 75° C. and 125° C. while under a pressure of from about 1 to 200 pounds per square inch for a time sufficient to convert the polymer in the laminate to an infusible polymer; (7) separating the resulting laminate from said metal surface.

2,545,833
SHOCK ABSORBER
Edward E. Wallace, Cleveland Heights, Ohio; Daisy T. Wallace administratrix of said Edward E. Wallace, deceased
Application August 13, 1947, Serial No. 768,455
7 Claims. (Cl. 267—64)



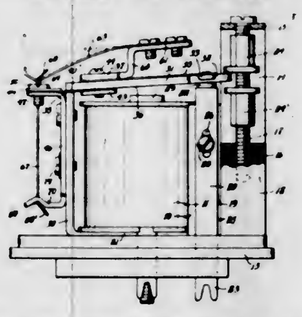
1. In a shock absorber, the combination of a hollow cylinder, a piston reciprocatable therein, said cylinder between the outer end wall and said piston being filled with air under pressure, a separate hollow cylinder extending into said first mentioned cylinder and connected to said piston, sealing means between the inner end of said first mentioned cylinder and said separate cylinder, a separate hollow piston in said separate cylinder and provided at its outer end with a normally closed valve, a rigid member extending through said first mentioned piston for securing said separate piston in fixed relation to said first mentioned cylinder, said separate cylinder being filled with fluid under pressure, said valve being operable to control the flow of fluid from said separate cylinder into said separate piston and said first mentioned cylinder between said first mentioned piston and said sealing means, the valve element of said valve being formed with a through opening, and a device extending into the inner end of said opening to restrict the return flow of the fluid therethrough to said separate cylinder.

2,545,834
VALVE
James V. Westbrook, Los Angeles, Calif.
Application February 15, 1947, Serial No. 728,836
5 Claims. (Cl. 251—103)



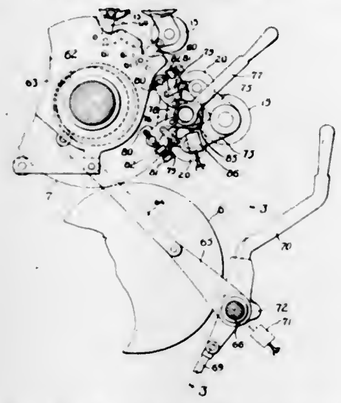
4. In a plug valve, a body having a longitudinal plug-receiving bore, a transverse inlet opening into the bore and an outlet; a plug mounted in the bore for rotation about the longitudinal axis thereof between open and closed positions and having a passageway disposed to establish communication between said inlet and outlet when the plug is rotated to open position, said plug having a recess in its periphery circumferentially spaced from the inlet end of said passageway; a gasket mounted in said recess and comprising a continuous deformable rib portion, formed to be of greater depth than said recess, and a relatively thin flange portion formed integral with and extending laterally from the bottom portion of the rib portion; a keeper plate in said recess, and means securing the keeper plate to said plug in position sandwiching said flange portion between the keeper plate and the bottom of said recess; the area surrounded by said rib portion being greater than the cross-sectional area of said inlet, whereby said rib portion sealingly engages the side wall of said bore around said inlet when the plug is rotated to closed position.

2,545,835
RELAY
John M. Wilson, Minneapolis, and Stanley W. Nickells, St. Louis Park, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 29, 1947, Serial No. 776,644
2 Claims. (Cl. 175—336)



1. In an electromagnetic device; a stationary magnetic structure having a first portion carrying a coil and a second portion spaced from said coil carrying portion and terminating in a sharp elongated uninterrupted edge; an armature having a flat surface in pivotal engagement with said edge of said portion of said magnetic structure and movable toward and away from the end of said coil carrying portion; flexure means in the form of a member of resilient metal having its extremities rigidly fastened to said armature and said magnetic structure, said extremities each being so fastened at a plurality of spaced points for preventing translational movement of said armature relative to said stationary magnetic structure, said flexure means having an intermediate portion thereof cut away from the entire width of the area over which said armature overlies said sharp edge so as to permit engagement of said armature and said sharp edge over such entire overlying area and having a locus of flexure when attached to said armature and said magnetic structure substantially in line with said edge of said magnetic structure; and biasing means urging said armature into pivotal engagement with said edge and out of contact with said coil carrying portion without imparting any appreciable translational force to said armature.

2,545,836
INK AND WATER MOTION TRIP FOR OFFSET PRINTING MACHINES
Alexander J. Albrecht, West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 12, 1946, Serial No. 690,046
9 Claims. (Cl. 101—137)

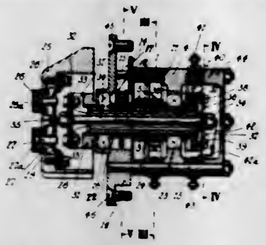


1. In a printing machine, and in combination, an ink motion, a press drive therefor and an independent drive therefor, clutch means for selectively coupling said ink motion to the press drive and to the independent drive, tripping means for said ink motion, and means operable by said tripping means and by said clutch means for stopping the press upon operation of said clutch means to couple said ink motion to said independent drive when the ink motion is tripped on.

2,545,837
MANUALLY OPERATED CONTROL SWITCH FOR MACHINE TOOLS OR THE LIKE
Charles William Berthiez, Paris, France
Application February 28, 1946, Serial No. 651,022
In France March 20, 1945
13 Claims. (Cl. 200—5)

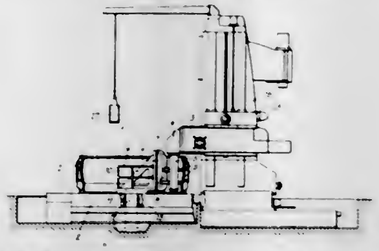
2. An electrical control device which comprises a selector member, means for supporting said selector member for rotation thereof on an axis to a plurality of circuit selecting positions, a plurality of annular contact carrying members, means cooperating with said selector member supporting means for supporting each of said annular contact carrying members with the annulus thereof extending about said axis of said selector member and selectively in different pre-

determined positions angularly displaced about said axis, the respective annular members being disposed in different predetermined positions angularly displaced about said axis relative to each other, a plurality of electric contacts actuatable to control respective electric circuits and carried respectively peripherally on said annular members in spaced relation about the axis of rota-



tion of said selector member in positions corresponding to said predetermined positions of the respective annular members, and means operatively connected to said selector member and operatively connectible with the respective electric contacts when said selector member is respectively in said circuit selecting positions to actuate the selected contact.

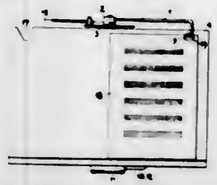
2,545,838
MACHINE TOOL FOR THE MACHINING OF LARGE ANNULAR WORKPIECES
Charles William Berthiez, Paris, France
Application December 9, 1949, Serial No. 132,022
In France December 14, 1948
5 Claims. (Cl. 77—1)



1. Machine-tool with a rotary workpiece carrying table, comprising within the central portion of the rotary table, a stand or bracket for the operator, said stand or bracket being supported by a stationary column extending through a central opening provided in the rotary table.

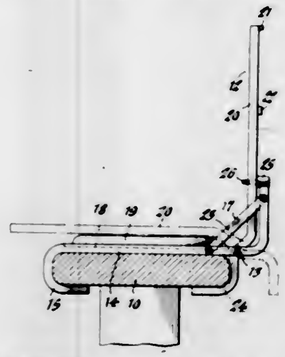
2,545,839
PAGE TURNING DEVICE
Bram Blez, Tel Aviv, Israel, assignor of one-half to Alex Morris, Tel Benjamin, Israel
Application January 5, 1949, Serial No. 69,249
8 Claims. (Cl. 84—521)

1. A leaf turner comprising a support structure, a metal hub mounted for rotation about its axis on said support structure and electrically insulated therefrom, mechanical control means for turning said hub about its axis, a metal arm secured at one end to said hub, an electro-magnet mounted on the free end of said arm and being insulated therefrom, a stationary contact member rigidly mounted on said support structure and positioned to make sliding electrical contact with said hub, one terminal of said electromagnet being electrically connected to an insulated back lead which extends along said arm to said hub and through said hub to one terminal of a source of direct current, the other terminal of said electromagnet being connected to said arm, said contact member being connected to the other terminal of said source of direct current, where-



by current may flow through said contact member and thence through said hub and arm to said electro-magnet, said hub carrying an insulated member positioned to be interposed between said hub and contact member in a pre-selected angular position of said hub, whereby to break electrical contact between said contact member and said hub.

2,545,840
AUXILIARY STADIUM SEAT
Samuel H. Browne, Buffalo, N. Y.
Application October 9, 1948, Serial No. 53,689
4 Claims. (Cl. 155—133)

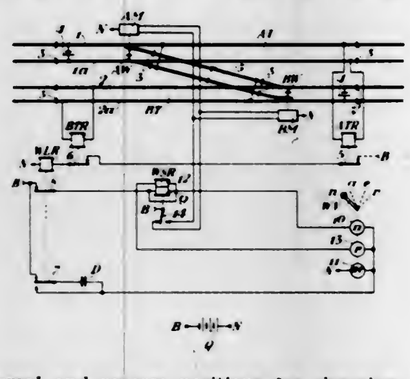


1. An auxiliary seat for the seat boards of stadiums and the like, comprising seat and back rest frames pivoted to each other for operative engagement with a seat board in their unfolded position, the seat frame including side bars terminating at their rear ends in an upwardly-offset transverse tie bar against which the back rest frame is adapted to abut in its operative position and provided at their front ends with hooks for engagement with the front edge of the seat board, the back rest frame being pivoted to the seat frame adjacent the rear end thereof and forwardly of its tie bar and terminating below the pivot in hooks for engagement with the rear edge of the seat board.

2,545,841
ANTISTORAGE CONTROL APPARATUS FOR RAILWAY TRACK SWITCHES
Theodore L. Carlson, Richmond, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 11, 1950, Serial No. 137,996
9 Claims. (Cl. 246—219)

1. Anti-storage control apparatus for a railway track switch comprising, in combination, a

switch locking relay which is normally energized but which at times becomes deenergized in response to traffic conditions on the associated railway track adjacent said switch, a switch control lever having normal and reverse positions, a polar stick switch control relay, a capacitor, means controlled by said lever when between its said



normal and reverse positions for charging said capacitor if said switch locking relay is energized, and means controlled by said lever in its normal and reverse positions for energizing said polar stick relay by current from said capacitor for controlling movement of said switch to normal and reverse positions respectively.

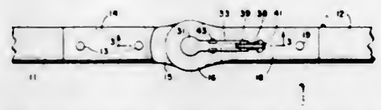
2,545,842
KNIFE GUIDE FOR CUTTING MACHINES
Frederick G. Clark, Buffalo, N. Y., assignor to Eastman Machine Company, Buffalo, N. Y.
Application June 23, 1948, Serial No. 34,699
3 Claims. (Cl. 30—272)



1. A knife guide for a cutting machine of the type having a standard provided with a vertical slot in which said knife guide is arranged, said knife guide comprising a pair of side members spaced apart for engaging opposite side of a knife received therein, a filler member arranged between the rear portions of said side members and spacing the front portions of said side members apart to form a guide slot in which the knife may reciprocate, and an insert of hard material extending crosswise of said knife guide with the front portion thereof extending into position to be engaged by the back edge of the lower portion of the knife.

2,545,843
HINGED JOINT FOR LEG BRACES
Henry Cohan, Rockville Centre, N. Y.
Application August 30, 1949, Serial No. 113,131
2 Claims. (Cl. 128—80)

1. A hinged joint for leg-braces and the like, comprising upper and lower leg-bars, the combination of an upper hinge element secured to the lower end of an upper leg-bar and having a tongue formation thereon, a lower hinge element formed with forked ends and secured to the upper end of a lower leg-bar, the tongue end of the upper hinge element engaging between the forks upon the lower hinge element, a broad headed pin pivotally engaging through a fork of the lower hinge element and having a contracted lower shank forming a shoulder which engages against the tongue and the contracted shank portion pivotally extending through the tongue of the upper hinge element, a fork upon the lower hinge element having a threaded bore to receive the threaded end upon the pin, radially arranged



ribs upon one side of the tongue portion of the upper hinge element, complementary radially arranged ribs upon the opposing face of the fork of the lower hinge element and adapted to engage and inter-lock with the radial ribs upon the tongue, a lever upon and extending from the head of the pin to provide a means for rotating the pin to lock the radial ribs together or move them apart, and a counter-locking clip pivotally attached to the lever and engaging a slot in the lower hinge element to prevent accidental or inadvertent rotation of the pin.

2,545,844
AUTOMATICALLY ADJUSTABLE BOOKRACK
Gus Cougias, Gary, Ind.
Application December 22, 1947, Serial No. 793,194
1 Claim. (Cl. 211—43)



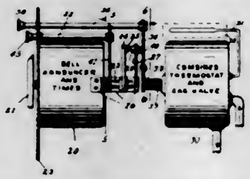
An automatically adjustable book rack comprising, a pair of end supports, multiple extension means secured to one of said end supports, extension means secured to the other of the said end supports and provided with longitudinal bores therethrough, said bores extending partly into the other of the said end supports, tension spring means confined in the said longitudinal bores and having their ends anchored to both of the said end supports, tongue and groove means on the said multiple extension means and the said extension means for slidably interconnecting the same, and spring encasing means secured to the first of said end supports slidably fitted within the said longitudinal bores, the said spring encasing means being of greater length than the said multiple extension means to prevent accidental disengagement of the said tongue and groove means while still permitting the said end supports to be retracted to minimum adjustment when the said end supports contact the free ends of the said multiple extension means and the said extension means whereby the added length of the said spring encasing means is received in that portion of the said longitudinal bores extending into the other of the said end supports.

2,545,845
PLASTIC FENCE PICKET
Nicholas J. Du Batto, Mastic Beach, and Charles Wolf, Ronkonkoma, N. Y.
Application August 14, 1948, Serial No. 44,378
2 Claims. (Cl. 256—19)



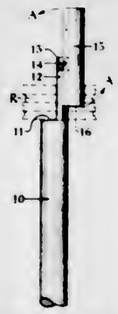
1. For use in combination with the conventional upper and lower cross-rails of a fence, a picket having its component parts formed of plastics material and having in combination a shell and a cover for the shell, the one being a complement of the other, the shell serving as a base for the picket and having a flat inner and outer surface, a marginal flange about the said inner surface, a tongue section atop the flange, and boss elements integral with and upright from the inner surface of the shell, the said cover having a flat inner and outer surface and a marginal groove about the said inner surface in which groove the tongue section is removably received, there being three of said boss elements, one lower and two upper bosses, the extreme surface ends of said bosses being in supporting contact with the inner surface of the cover, said cover having holes therethrough in alignment with holes provided through the bosses and shell, said holes serving as a means for the passage of fasteners through the picket to the upper and lower cross-rails of the fence, and said picket having a horizontal lower end, side parallel to one another and at right angles to the said lower end, and said parallel sides tapering to a point at the tip of the picket.

2,545,846
TIME-CONTROLLED TEMPERATURE-RESPONSIVE OVEN CONTROL
Joseph F. Dunn, New York, N. Y.
Application February 1, 1947, Serial No. 725,816
6 Claims. (Cl. 236—46)



1. As an article of manufacture for use with a cook stove having an oven and oven heater to control the successive stages of the cooking operation according to a preselected cycle; comprising: an oven temperature responsive control mechanism connected to the oven heater to control the supply of heating energy thereto and including a spring biasing the control mechanism toward a lower temperature and an external, manually accessible temperature presetting member for setting the control mechanism to a selected high temperature for the initial cooking stage and having means to retain the mechanism in a position to maintain the spring biased; a spring-motor-operated timer settable on winding to require a predetermined lapse of time to run down and including an external, manually accessible winding member adjacent the temperature presetting member, an escapement mechanism and a releaser for the biasing spring retaining means; a stop member against which the biasing spring upon release of the temperature presetting member brings the temperature presetting member and an externally accessible stop presetting member adjacent the first and second manually accessible members for positioning the stop in a selected position corresponding to a lower oven temperature than the one first selected, whereby upon timer release of the control mechanism the latter is shifted by its biasing spring to the selected lower temperature position so that cooking proceeds through a second cooking stage at the selected lower temperature.

2,545,847
AUTOMATIC RECORD CHANGER SPINDLE
Emile C. Guedon, Audubon, N. J.
Application December 28, 1945, Serial No. 637,663
2 Claims. (Cl. 274—10)



1. A phonograph spindle for supporting a stack of records adjacent their center holes comprising a lower part adapted to be supported in a stationary position concentrically with a rotatable turntable, said lower part having a shoulder for engagement by the lowest record of the stack, an upper part extending upwardly beyond said shoulder in prolongation of said lower part and at one side of the axis thereof, and a detent member pivotally mounted on said upper part for swinging movement from a position concentric with said lower part to a position eccentric thereto and vice versa, said detent member, when it is in said eccentric position, cooperating with said upper part to hold said records eccentric to said lower part and the then lower end of said detent member terminating at a point which is spaced above said shoulder a distance of the order of the thickness of said lowest record whereby said lowest record is free to be moved laterally of the stack into concentric relation with said lower spindle part to permit it to slide down along said lower part while said detent restrains lateral movement of the next highest record above said lowermost record in the stack said detent being pivotally mounted on an axis which is at right angles to said spindle axis, and the upper end of said detent member constituting the upper extremity of the spindle when said detent member is in said eccentric position.

2,545,848
COSMETIC CONTAINER OR THE LIKE
Robert B. Hopgood, Cheshire, Conn., assignor to The Eyelet Specialty Company, Waterbury, Conn., a corporation of Connecticut
Application March 5, 1949, Serial No. 79,874
11 Claims. (Cl. 206—56)



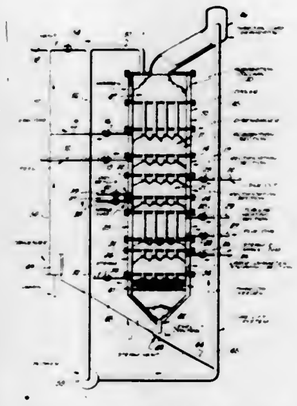
1. In a cosmetic container or the like, a carrier including cam-follower means, two relatively rotatable tubular members having cooperating cam slots to engage said cam-follower means and to propel said carrier upon relative rotation, one of said members being integrally formed along one wall of its slot with a resilient projection flush with the body of said one member and poised to resiliently intercept said cam-follower means, whereby said projection may resiliently engage said cam-follower means without substantially radially deforming said one member, and dog means for said latch and including a displaceable part projecting radially outside said container, whereby upon placement of a closure cap on said container, said dog means may dog said latch and thus retain said carrier against actuation when said container is covered by a closure cap.

2,545,849
COSMETIC CONTAINER OR THE LIKE
Robert B. Hopgood, Cheshire, Conn., assignor to The Eyelet Specialty Company, Waterbury, Conn., a corporation of Connecticut
Application May 26, 1949, Serial No. 95,428
16 Claims. (Cl. 206—56)



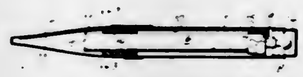
1. In a cosmetic container or the like, two relatively rotatable tubular members and a carrier member to be propelled upon a relative rotation of said members, resilient latch means carried by one of said members normally in the path of movement of a part of another of said members, said part including a projection to engage and be resiliently engaged by said latch, said latch being free of said part for all relative positions of said one member and of said other member except substantially for a latching relative position thereof, whereby said latch means will be moved only when said tubular members are rotated substantially at said latching relative position, means movable exteriorly of said outer tubular member upon coaction of said latch with said projecting part, and a closure cap to fit over said outer tubular member and limit said exterior movement.

2,545,850
ADSORPTION PROCESS AND APPARATUS
Donald H. Imhoff, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 26, 1945, Serial No. 630,905
22 Claims. (Cl. 183—4.5)



1. In a continuous process for the separation of gaseous mixtures by selective adsorption and desorption accomplished by contacting said gaseous mixture with a moving bed of granular solid adsorbent so as to cause adsorption of the more readily adsorbable components, separating the unadsorbed components of said gaseous mixture from the enriched adsorbent and stripping the adsorbed components from the enriched adsorbent, the improvement comprising stripping the adsorbed components from the enriched adsorbent in a plurality of stages whereby in one stage the enriched adsorbent is heated to stripping temperatures and contacted with relatively small amounts of stripping gas and in a subsequent stage the heated and partially stripped adsorbent is contacted with relatively large quantities of the same stripping gas.

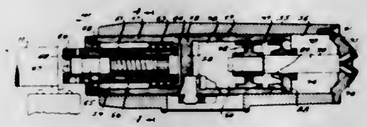
2,545,851
IMITATION CIGAR
Gene Kardos, New York, N. Y.
Application January 26, 1949, Serial No. 72,869
4 Claims. (Cl. 46—9)



1. An article of manufacture comprising a hollow body of the approximate size and shape of a cigar, one end thereof being approximately cylindrical, the other end being flattened and constituting a mouthpiece, a translucent member at said cylindrical end colored to resemble ashes, a cylindrical dry cell centrally disposed within said body, an electric lamp in said cylindrical end at the adjacent end of said dry cell and electrically connected to the central terminal thereof, the opposite end of said dry cell terminating short of said mouthpiece, a wire ex-

tending from said lamp rearwardly along said dry cell and into said mouthpiece, said opposite end of said dry cell being free from insulation, the rear of said wire normally out of contact with said opposite end, said lamp and all of the elements included within the electrical circuit for said lamp being completely enclosed within said hollow body, whereby pressure on said mouthpiece causes contact of said wire with said free end to close the lamp circuit and cause said cylindrical end to glow.

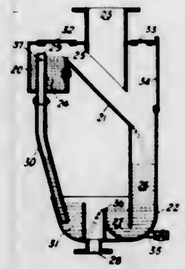
2,545,852
HYDRAULICALLY OPERATED TAILSTOCK
Robert Kurzweil, Kew Gardens, and Juventino J. Pesqueira, Astoria, N. Y., assignors to Morey Machinery Co. Inc., Astoria, N. Y.
Application July 10, 1948, Serial No. 38,088
10 Claims. (Cl. 82—31)



1. In a lathe tailstock equipped with a tailstock body, a quill arangement mounted within said tailstock body rotatably and slidably in axial direction thereof, a tailstock center mounted within said quill arrangement slidably in axial direction of said tailstock body relative to said quill arrangement, resilient means permanently forcing said tailstock center outward into operative position adapted to engage one end of a work piece, and gripping means on said quill arrangement for grippingly engaging said end of said work piece around said tailstock center, the combination of first hydraulic operating means for sliding said quill arrangement together with said tailstock center and said gripping means forward into operative position in which said tailstock center and said gripping means engage said end of said work piece and backward into inoperative position with said tailstock center and said gripping means not engaging said end of said work piece; locking means for holding said quill arrangement in operative position; second hydraulic operating means for moving said locking means into operative locking position; and combined hydraulic actuating means for first actuating said first hydraulic operating means and then automatically actuating said second hydraulic operating means and thereby moving said locking means into operative locking position after said first hydraulic operating means have slid said quill arrangement together with said tailstock center and said gripping means forward into operative position.

2,545,853
HYDRAULIC DUST TRAP
Leonard Lee, Glasgow, Scotland, assignor to James Howden & Company Limited, Glasgow, Scotland, a company of Great Britain
Application April 17, 1947, Serial No. 742,187
In Great Britain May 13, 1946
5 Claims. (Cl. 302—15)

1. A hydraulic dust trap for disposal of dust caught in a dry dust collector, comprising a casing structure having in its upper region separate inlets for dust and clean liquid and in its lower region an outlet for liquid and entrained dust, a clean liquid chamber disposed in the upper region of said casing structure and open to the inlet for clean liquid, a weir plate forming one wall of said chamber, and a stationary inclined plate having a surface extending downwardly within said casing structure from said



weir plate and directly beneath the inlet for dust whereby liquid overflowing continuously from said clean liquid chamber, without splashing, over said weir plate and down said inclined plate in the form of a smooth film collects dust from the dust outlet for discharge through said outlet.

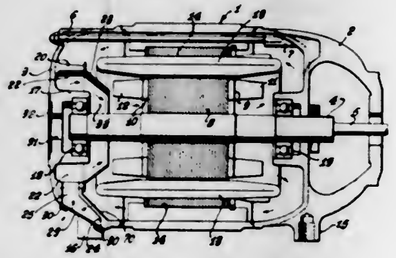
2,545,854
FIRE ALARM SWITCH
Morris Levy, Philadelphia, Pa.
Application March 6, 1950, Serial No. 147,782
3 Claims. (Cl. 200—168)



1. A fire alarm station comprising a body having a chamber in the front thereof with a cavity in the bottom of said chamber, a rigid stationary contact member imposed on the bottom of said chamber and bridging a portion of said cavity, means projected through the back of the body to secure the stationary contact in place and function as an electrical conductor, an electrical conductive anchor plate on the bottom of the chamber in spaced relation to the stationary contact member, a movable contact member having one end mounted on the anchor plate, means projected through the back of the body to fasten said anchor plate and the contiguous end of the movable contact member in place and a portion of said fastening means functioning as an electric conductor, said movable contact member consisting of a stiff resilient section of wire fashioned to provide an eye at the anchored end from which the wire extends outwardly and then back as a U-shaped loop to one side of said eye with the branches of said loop in the same plane as the coil of the eye and the wire then bent outward and inward to form an elbow extending to the open end of the chamber and finally projecting in endwise alignment with one of the branches of the U-shaped loop as a free terminal contact end extending into the cavity in back of the stationary contact member, a fragile panel,

and means to secure said panel to the body across the open end of the chamber, said panel engaging the elbow to press the terminal contact end out of engagement with the stationary contact member, said movable contact member being released upon breaking of the panel whereby the terminal contact end engages the stationary contact member to complete an electric circuit.

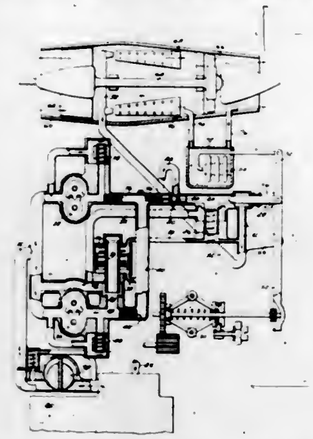
2,545,855
VENTILATED DYNAMOELECTRIC MACHINERY
Frederick O. Luenberger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application August 21, 1948, Serial No. 45,483
6 Claims. (Cl. 171—252)



1. In a dynamo-electric machine having a frame, a stator supported by the frame, a shaft, and a rotor mounted on the shaft; an end bracket mounted on the frame; said bracket having a bearing boss extending inwardly of the bracket; a bearing structure for the shaft mounted in the boss; said bracket having an outer annular wall and an inner annular wall, said walls forming an outer annular air passage; said boss and inner wall forming an inner annular air passage; said bracket also having spaced ribs extending across the outer annular passage and defining a passageway to the inner annular passage; said outer annular wall having an opening to the exterior of the bracket; an air deflector supported on the inner wall; another end bracket for closing the frame at the opposite end; and means carried by the rotor for causing air to be drawn through the inner annular passage into the frame, and to be expelled through the outer annular passage.

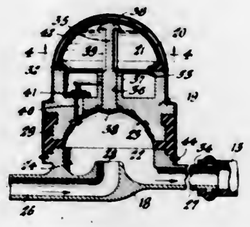
2,545,856
TEMPERATURE CONTROLLED FUEL PUMP FOR GAS TURBINES
Andrew William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley
Application January 29, 1949, Serial No. 73,654
10 Claims. (Cl. 103—11)

1. A pumping system for a fuel supply to a prime mover comprising a source of fuel, a main fuel pump having an outlet, a thermostatically controlled fuel valve located in the said fuel outlet and responsive to the temperature of the fuel flowing past said valve, a return passage connected to said outlet controlled by said fuel valve and discharging into said fuel source, an emergency fuel pump arranged in parallel to said main fuel pump so as to discharge into the outlet from said main fuel pump, a non-return check valve at the point of discharge, an unloading valve for said emergency pump, yieldable means for closing said unloading valve, means responsive to the pressure in the outlet from said main fuel pump to hold said unloading valve open in opposition to



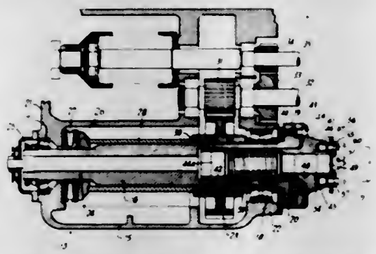
said yieldable means until the pressure in the outlet from said main fuel pump falls due to the opening of said thermostatically controlled valve or to the failure of said primary pump.

2,545,857
CONTROL DEVICE FOR MILKING MACHINES
Albert G. Perkins and Warren E. Perkins, Grand Island, N. Y.
Application January 7, 1948, Serial No. 962
12 Claims. (Cl. 31—86)



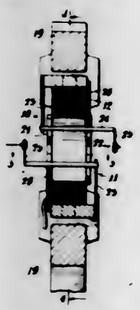
1. In a control device for milking machines, a body adapted to be interposed in a teat connection thereof and including a transverse partition defining upper and lower chambers with the upper chamber constituting a fluid-filled chamber, the lower chamber having a milk flow intake and discharge with the former terminating in a port opening into such lower chamber and the upper chamber having a normally-distended and deflatable flexible top wall, a normally-distended diaphragm in said lower chamber in contiguous relation to the opposing bottom side of said partition and adapted for deflation across said intake port and constituting a valve to close the same, a displaceable ported member guided in said partition between and in governed relation to said distendable top wall and said diaphragm, said partition having a port therein serving as a fluid by-pass between said upper chamber and that portion of the lower chamber above the diaphragm therein, and a check valve applied to said port.

2,545,858
HEADSTOCK AND SPINDLE
Juventino Jose Pesqueira and Robert Kurzweil, New York, N. Y., assignors to Morey Machinery Co., Inc., New York, N. Y., a corporation of New York
Application November 13, 1945, Serial No. 627,984
12 Claims. (Cl. 82—30)



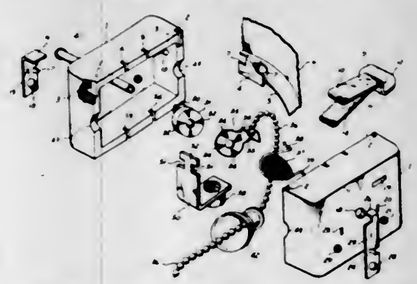
1. In a lathe, a headstock comprising a headstock casing having front and rear walls, a pair of aligned bearings within said walls, a spindle rotatably mounted within said bearings, a drive gear fixed to said spindle and disposed within said casing, a thrust bearing disposed about said spindle and located at the inside of the rear wall of said casing, a sleeve surrounding said spindle and interposed between said gear and thrust bearing, said spindle being formed at its forward end with a socket and with an outwardly extending flange, a nose piece at the front end of the spindle comprising a flange contacting the flange of the spindle, and a sleeve projecting into said socket, means to attach said nose piece to said spindle, a spring within said sleeve, and a center within the forward end of said nose piece adapted to press against said spring.

2,545,859
MAGNETIC SOUND REPRODUCER HAVING TWO STYLI
Norman C. Pickering, Rockville Centre, N. Y., assignor to Pickering Associates, Inc., Oceanside, N. Y., a corporation of New York
Application January 31, 1949, Serial No. 73,810
3 Claims. (Cl. 179—100.41)



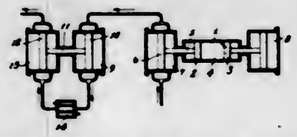
1. A phonograph record pick-up of the magnetic type comprising: a supporting structure; means including a permanent magnet fixedly carried by said supporting structure for creating a magnetic field; a current generator in the form of a single coil fixedly carried by said supporting structure adjacent the magnetic field; and a pair of generally symmetrical moving systems including a pair of armatures in laterally spaced relationship positioned in the magnetic field of the said coil and in the magnetic field created by said permanent magnet, spring means mounted on the supporting structure and supporting each of said armatures adjacent one end for vibratory motion in the magnetic field, said armatures being positioned in close proximity to the coil so that the induced flux of the armatures cuts the coil upon the vibration of the armatures, and a pair of styluses, said armatures including means supporting the styluses adjacent the free ends of the armatures so that they project in different directions so that they may be used alternately to engage the sound tracks of records.

2,545,860
INCANDESCENT LAMP SOCKET AND SWITCH
Harry C. Robertson, New York, N. Y.
Application May 1, 1948, Serial No. 24,589
7 Claims. (Cl. 200—51.15)



1. A lamp socket comprising: a pair of complementary hollow sections each having an open side and having slots extending into the section from the open side thereof, a plurality of metallic socket members, said sections being assembled with their open sides in edge abutting relation and with said metallic socket members extending into said slots for locking engagement therewith so long as the sections are in edge abutting relation, a tie rod extending transversely through the opposite walls of both sections for securing the sections in abutting relation, a switch operating member mounted on said tie rod, and a switch positioned within the assembled sections and operable by the switch operating member.

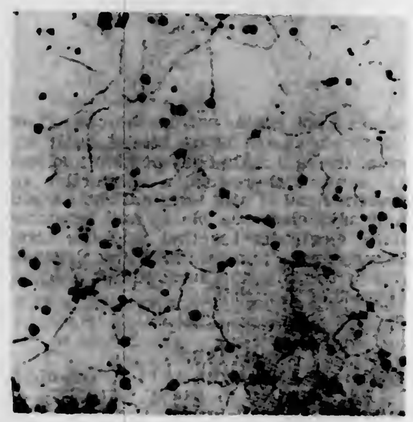
2,545,861
DEVICE UTILIZING THE THERMAL-PUMP PRINCIPLE FOR THE PRODUCTION OF HEAT AND COLD
Jean Sallou, Paris, France, assignor to Societe Anonyme des Etablissements Neu, Lille, France, a French corporation
Application July 17, 1947, Serial No. 761,562
In France March 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 16, 1966
6 Claims. (Cl. 62—136)



1. A thermodynamic fluid medium translating unit, comprising a combustion motor having two

free pistons, one of said pistons being rigidly joined to the piston of a compressor and the other to the piston of a restorer, a second compression stage, means comprising a fluid connection from said compressor to said second stage, said stage including a piston, an expander having a piston rigidly joined to said last-named piston, and a fluid exchanger forming a fluid connection from said second compressor stage to said expander.

2,545,862
PROCESS OF PRODUCING MECHANICAL ELEMENTS
Howard Scott, Robert B. Gordon, and Frederick C. Hull, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1948, Serial No. 41,466
5 Claims. (Cl. 148—11.5)



1. The process of producing a mechanical element which is to be subjected to stress at an elevated temperature from stock of an austenitic alloy having chromium and nickel and at least one of the elements selected from the group consisting of iron and cobalt as the base metal thereof and containing a precipitation hardening constituent, the steps comprising, heating the stock to a temperature between 2050° F. and 2300° F. to reduce the resistance of the metal to deformation, deforming the heated stock in a plurality of steps with intermediate heating of the worked stock to substantially the initial heating temperature between the deformation steps for a period of time sufficient to impart a substantially uniform temperature approximating the initial heating temperature to the stock and effect only the complete recrystallization of the metal between said deformation steps, said deformation steps being applied to the completely recrystallized metal immediately upon the effecting of the recrystallization of the metal, the reheating and deformation steps being applied until a substantially uniform grain size as fine as No. 2 ASTM is produced, thereafter plastically deforming the alloy at a temperature between 1550° F. and 2000° F. to form the mechanical element without effecting recrystallization of the alloy, subjecting the element to a temperature above the recrystallization temperature of the plastically deformed element to dissolve the hardening constituent and completely recrystallize the alloy of the element to a substantially uniform grain size as fine as No. 4 ASTM whereby all hardness resulting from deforming the alloy to the element is removed, and thereafter ageing the element at a temperature between 1350° F. and 1700° to effect a substantial increase in hardness.

2,545,863
ALTERNATING CURRENT RECTIFIER
Richard Geoffrey Sell and Roger Harry Cubitt, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 31, 1947, Serial No. 795,068
In Great Britain January 6, 1947
7 Claims. (Cl. 175—366)



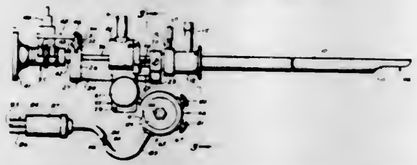
1. A rectifier comprising a pair of rectifying elements each consisting of a first layer of a given material and a second layer of a given different material contiguous to said first layer and said rectifying elements arranged parallel to and with said first layers toward each other, a contact element for each of said rectifying elements contiguous to its said first layer, resiliently compressible insulating means between and contiguous to said contact elements, and a metal case enclosing said rectifier and in contact with said second layers of said rectifying elements.

2,545,864
COSMETIC CONTAINER OR THE LIKE
William G. Thompson, Clinton, Mass., and Robert B. Hopgood, Cheshire, Conn., assignors to The Eyelet Specialty Company, Waterbury, Conn., a corporation of Connecticut
Application May 26, 1949, Serial No. 95,452
19 Claims. (Cl. 206—56)



2. In a cosmetic container or the like, a carrier member, two relatively rotatable tubular members including means cooperating with said carrier member to propel said carrier member upon relative rotation of said tubular members, and latch means between two of said members latchingly engaging said last-identified two members for one relative position of said last-identified two members, said latch means including a latch abutment on one of said members and a latch formed out of the material of another of said members and being actuable substantially only within the annulus represented by the thickness of said material and solely through the action of relative movement of said tubular members.

2,545,865
ELECTROSURGICAL INSTRUMENT
Frederick J. Wallace, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York
Application May 11, 1948, Serial No. 26,356
6 Claims. (Cl. 128—303.15)



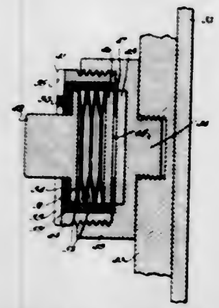
3. In an instrument of the character described, an endoscopic tube, an electrode rod movable in the tube and adapted to be connected to a source of supply of a plurality of electric currents having different characteristics, and means connected to the electrode rod and adapted to be connected to said source for simultaneously imparting movement to the electrode rod and controlling electrical energization thereof, said means comprising a rotary shaft, means for translating rotary movement of the shaft into corresponding movement of the electrode rod, an arm connected to the shaft, said arm being offset from and parallel to the shaft, and an electric switch unit mounted on and rotatable about the axis of the arm, said switch unit including a plurality of circuit closing devices so arranged as to permit energization of the electrode rod by any selected current supplied by said source.

2,545,866
BORON-CONTAINING ALUMINUM WIRE AND METHOD OF ITS PRODUCTION
Raymond T. Whitzel and William E. King, Massena, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 15, 1946, Serial No. 710,224
5 Claims. (Cl. 29—193)

1. An electrical conductor wire of conductor grade aluminum cold drawn to a diameter of 0.210 inch or less containing from 0.001 to 0.5 per cent boron, said wire being cold drawn from hot rolled rod without any anneal of said rod or wire, the amount of boron being sufficient that the wire will have an electrical conductivity of not less than 61 per cent of that of the International Annealed Copper Standard on a volume basis and an average tensile strength of at least 26,000 p. s. i. for wire drawn to a diameter of 0.210 inch and an increasingly higher strength for wires drawn to smaller diameters.

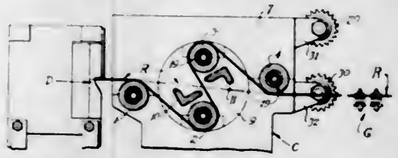
2,545,867
BUTTON TYPE ARRESTER
John S. Baker, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1946, Serial No. 693,796
1 Claim. (Cl. 313—325)

A button-type lightning arrester comprising a two-part metallic enclosing body casing, one of said parts being in the form of a flat shallow cup forming the main body portion of the casing and a mounting and terminal for the arrester and having a threaded attaching stem projecting externally from the bottom of the cup and operated by rotating the cup, the other part of the casing being in the form of a flat cap the rim of which threadably engages interiorly of the side walls of the body cup and having an apertured top, a terminal button projecting outwardly from said casing through said apertured top and having an enlarged head within the casing, an insulating disc within the top through which the shank of the said terminal button projects and may move and its head cannot pass, a pair of dielectrically



spaced electrode plates within the casing, one of said electrode plates being seated flatly in the bottom of the said main body portion and making electric contact therewith, a conductive spring between the head of said terminal button and the other of said electrode plates and tensioned to press the electrodes together and the terminal button outwardly, and an insulating sleeve lining the rim of the cap and surrounding said spring and said other electrode.

2,545,868
METHOD OF AND APPARATUS FOR MANUFACTURING PLASTIC SHEETS
James Bailey, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application October 11, 1947, Serial No. 779,386
9 Claims. (Cl. 18—12)



1. Apparatus for forming continuous oriented sheet of solvent-free organic, thermoplastic polymer comprising means including a die for extruding the polymer at a selected extruding temperature in the form of a ribbon, means for drawing said ribbon away from said die at a speed faster than the ribbon is extruded, means positioned intermediate said die and said drawing means for superficially chilling each successive portion of the extruded ribbon and for maintaining substantially constant the dimensions of each portion of the ribbon between the die and said intermediate means, said intermediate means including a plurality of ribbon festooning rolls, and means for adjusting the positions of said rolls relative to each other and thereby varying the degree of wrap of the ribbon about said rolls while continuously drawing said ribbon therethrough.

7. The process of making a continuous sheet of molecularly oriented thermoplastic polymer which comprises the steps of heating said polymer in a solvent-free condition to an extrusion temperature, extruding the polymer at the extrusion temperature from a die in the form of a hot continuous ribbon, festooning said ribbon about a series of rolls, maintaining the first of said rolls at approximately 60° F., maintaining subsequent festooning rolls at a drawing temperature below the extrusion temperature and above the softening point of the polymer, drawing and stretching said ribbon away from said rolls at greater than the extrusion speed, cooling said ribbon under stretching stress.

2,545,869
MULTIPLE FIBER STRAND
James Bailey, West Hartford, Conn., assignor to Plax Corporation, West Hartford, Conn., a corporation of Delaware
Application February 17, 1948, Serial No. 8,910
11 Claims. (Cl. 18—8)

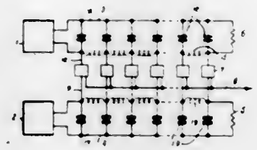


5. The method of producing a multifibered rope of molecularly orientable thermoplastic polymer which comprises drawing and longitudinally molecularly orienting a strand of the polymer in a heated and plastic condition through each of a plurality of reducing dies, rotating each of said dies about separate axes, rotating each of said dies and twisting together said strands about a common axis, cooling a portion of the twisted together strands spaced from said dies to a temperature at which the strands are non-plastic, preventing rotation of said non-plastic portion of the strands, and stressing the strands generally at right-angles to the direction of orientation in an amount sufficient to divide each strand into a plurality of separate twisted together filaments.

2,545,870
CATALYTIC OXIDATION OF ALKYL BENZENES TO PRODUCE ARYL ALKYL KETONES AND CARBINOLS
George Aubrey Baker and William Hunter, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 9, 1947, Serial No. 759,900. In Great Britain August 26, 1946
8 Claims. (Cl. 260—592)

1. Process for the manufacture of non-acidic mixed-aromatic - aliphatic oxygen - containing compounds, which comprises heating in the liquid phase to above 100° C. an alkyl benzene containing at least one alkyl group of more than one carbon atom in which the carbon atom next to the benzene nucleus is attached to hydrogen and at least an equimolecular amount of acetic anhydride in the presence of an oxidation catalyst selected from the group which consists of the organic carboxylic acid salts of manganese and cobalt with oxygen under a partial pressure above 50 lb. per sq. in., and stopping the reaction while at least half of the alkyl benzene remains unoxidised.

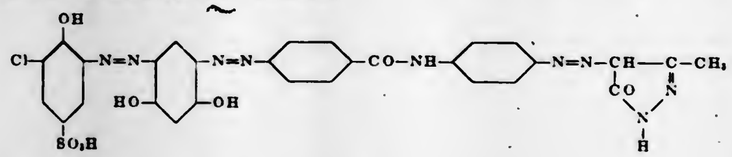
2,545,871
APPARATUS FOR COMPRESSING OR EXPANDING THE FREQUENCY BANDS OF ELECTRIC OSCILLATIONS
David Arthur Bell, Taplow, England, assignor to British Telecommunications Research Limited, Taplow, England, a company of Great Britain
Application June 5, 1948, Serial No. 31,294
In Great Britain June 5, 1947
5 Claims. (Cl. 178—44)



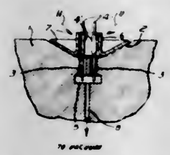
1. Apparatus for transforming the frequencies of electric oscillations, the apparatus comprising two delay networks having different delay times and substantially non-reflective terminations, said delay networks comprising an equal number of sections, each said section comprising lumped impedances and said sections of each said network being substantially identical with one another, means for applying to the input of one of said networks oscillations over a band of frequencies, which band is to be transformed, means for applying pulses to the input of the other of said networks, a plurality of pairs of tapping points in said networks, the points in each said pair lying in said two networks respectively, and the ratio of the delay times from the inputs of said networks to the tapping points in all said pairs being substantially the same but other than unity, and multiplying means coupling a common output terminal to said two delay networks at the junctions of correspondingly numbered sections of said networks, counting from their input ends.

2,545,872
POLYAZO DYESTUFFS
Werner Bossard, Riehen, and Marcel Reding, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application October 14, 1948, Serial No. 54,565. In Switzerland May 16, 1945
5 Claims. (Cl. 260—159)

4. A polyazo dyestuff corresponding to the formula:

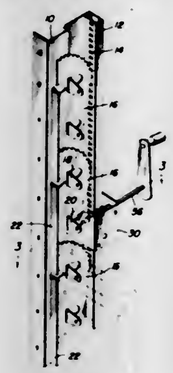


2,545,873
METHOD OF MAKING STEMS FOR ELECTRIC LAMPS
Robert Leonard Breadner, Kenton, and Charles Henry Simms, Twickenham, England, assignors to General Electric Company, a corporation of New York
Application August 6, 1947, Serial No. 766,658
In Great Britain April 10, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 10, 1965
4 Claims. (Cl. 49—81)



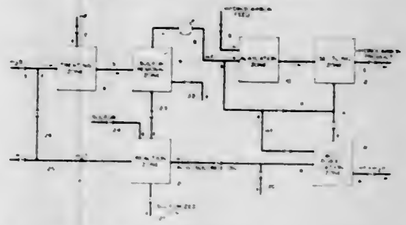
1. The method of forming a stem for an electric lamp which comprises, assembling a glass stem tube having an outwardly extending flare portion at one end of a short tubular body portion with a plurality of lead-in wires extending longitudinally through said body portion, heating said body portion of the stem tube to fuse it around portions of said lead-in wires, and then applying a suction to the fused portion of said stem tube to draw the fused mass of glass to a position immediately contiguous to the said flare portion of the stem tube.

2,545,874
MECHANICAL UNIT FOR ADJUSTABLE LOUVERS
William Benton Brothers, Miami, Fla., assignor of one-third to Cletus A. Ladig and one-third to John W. Stuteville, both of Miami, Fla.
Application September 15, 1947, Serial No. 773,962
4 Claims. (Cl. 268—88)



2. A louver control apparatus comprising a pair of vertical rails, each rail including a vertical rear channel member with an open front facing the front of the rail and a raised vertical portion spaced from the channel member, a set of segmental gears each with a clip at the front thereof and teeth at the rear thereof, pivot pins fastening each gear to the raised portion of one rail, a bracket fixed to each gear at a point intermediate said teeth and said clips, a second set of segmental gears fixed for pivotal movement to the raised portion of the other of the rails, a spacer engaging each gear of the second set, louver members secured to opposite gears of each set, each louver having one end fixed between one said bracket and one clip of one of the gears of the first-mentioned set of gears, and means fixing the opposite end of each louver member to the opposite gear in the second set.

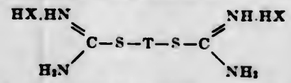
2,545,875
SULFURIZED LUBRICANT
George N. Cade, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 2, 1948, Serial No. 42,077
8 Claims. (Cl. 260—139)



1. A method for preparing an additive for lubricating oils, which comprises reacting in a reaction zone a hydrofluoric acid-soluble oil with from 5 to 50 weight per cent of elemental sulfur based on said hydrofluoric acid-soluble oil, said hydrofluoric acid-soluble oil being obtained from an alkylation process wherein an alkylatable paraffin is alkylated with an olefin in the presence of hydrofluoric acid as a catalyst, maintaining a temperature in said reaction zone in the range between 180–400° F. for a period of time in the range of from one to ten hours, and recovering a resulting sulfurized oil capable of imparting improved extreme pressure characteristics to lubricating oils when blended therewith.

2,545,876
ALKENYLENE BISISOTHIOURONIUM COMPOUNDS
Le Roy W. Clemence, Highland Park, and Marlin T. Leffler, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application September 17, 1948, Serial No. 49,854
10 Claims. (Cl. 260—564)

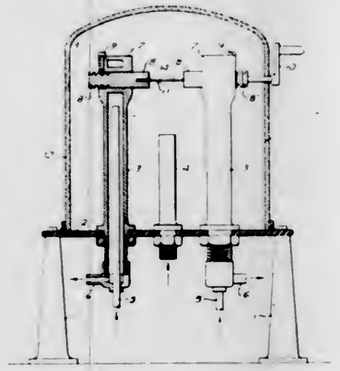
1. Compound of the formula:



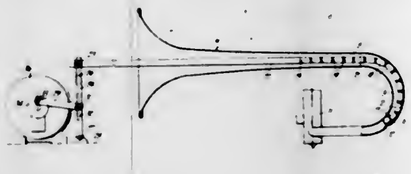
wherein X is a halogen atom and T is an unsaturated aliphatic hydrocarbon group containing 4–6 carbon atoms.

2,545,877
METHOD FOR SHEATHING ELECTRIC CONDUCTORS
Maurice Descarsin, Paris, France, assignor to General Electric Company, a corporation of New York
Application July 15, 1947, Serial No. 761,132
In France September 19, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 19, 1964
3 Claims. (Cl. 49—81)

2. The method of sealing together an oxidized lead-in of predetermined length and a glass sheath which comprises the steps of positioning the sheath about the center portion of the lead-in, passing through the lead-in in a neutral atmosphere an electric current of sufficient magnitude to heat its center portion sufficiently to soften the glass sheath and simultaneously removing from the ends of the lead-in heat generated by the passage of said current therethrough whereby the glass is joined to the lead-in progressively to avoid bubbles in the glass portion of the completed seal.



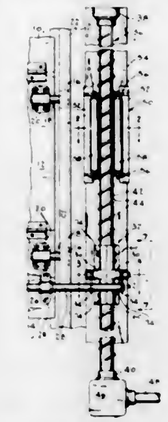
2,545,878
DENT REMOVER WITH FLEXIBLE SHAFT AND VIBRATING MEANS
Londell C. Forrest, Berkeley, Calif.
Application October 19, 1946, Serial No. 704,373
3 Claims. (Cl. 153—80.5)



1. A dent remover for use in a curved musical instrument tube comprising a ball receivable within said tube; a laterally flexible, longitudinally rigid shaft connected to said ball and receivable within said tube; and means connected to said shaft for rapidly vibrating said shaft and said ball longitudinally.

2,545,879
TRAVELER AND BRACE FOR WORMS
Herman C. Frentsel, Milwaukee, Wis., assignor to McKee Door Company, Aurora, Ill., a corporation of Illinois
Application November 19, 1948, Serial No. 60,850
8 Claims. (Cl. 74—424.8)

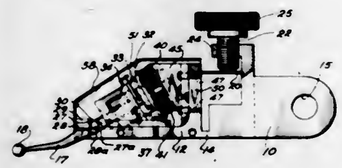
1. A mechanism including a screw, bracing means located between the screw ends and preventing bending of the screw, and a nut engaging the screw and movable along the length of the screw, said nut moving between the bracing means and the screw as the nut passes that portion of the screw where the bracing means are located.



2,545,880
NONPHOSPHORESCENT CALCIUM SILICATE PHOSPHOR CONTAINING INDIUM
Herman C. Froelich, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application February 27, 1950, Serial No. 146,639
6 Claims. (Cl. 252—301.4)

1. A luminescent material consisting essentially of calcium silicate activated with metal of the group consisting of manganese alone and mixtures of manganese and lead, and an inhibitor of phosphorescence consisting of indium in an amount of about .01 to 1 per cent by weight of the total composition.

2,545,881
ELECTRONIC INDICATOR
Erwin W. Graham, Parma Heights, Ohio, assignor, by mesne assignments, to Graham-Mintel Instrument Company, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1948, Serial No. 3,779
8 Claims. (Cl. 171—777)



1. In an indicating device, a frame member comprising two parts joined together by a deformable section integrally joined to both said parts and constituting a flexible link, said parts being spaced apart in the region adjacent said link, one part of said frame member being adapted to be secured fixedly to a support, the other part of said frame member having a feeler finger pivotally mounted thereon and projecting therefrom in a direction away from said link, a second, normally arched, link extending between said parts where said parts are spaced

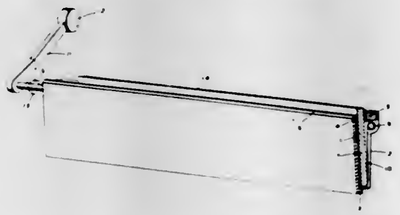
apart, and screw means for applying a force to said second link to straighten the same, thereby causing said second link to exert a force between said parts and deforming said flexible link to move one of said parts with respect to the other to adjust the position of the feeler finger with respect to the support.

2,545,882
APPARATUS FOR SCRAPING AND CLEANING CONVEYER BELTS
Harry Hall, Erith, England
Application October 17, 1947, Serial No. 780,554
In Great Britain October 25, 1946
3 Claims. (Cl. 198—230)



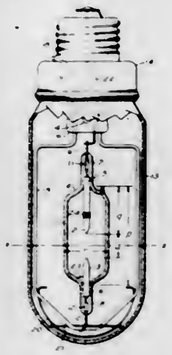
1. Apparatus for use in removing material adhering to a conveyor belt including in combination a liquid-tight housing, a roller disposed within said housing, a scraper strip mounted about said roller with one end of said strip projecting through a wall of said housing, a shaft disposed within said housing and spaced from said roller, means within said housing for transmitting rotary motion from said shaft to said roller, and means urging said shaft rotatively to maintain the projecting end of the scraper strip in contact with the conveyor belt.

2,545,883
APPARATUS FOR SCRAPING AND CLEANING CONVEYER BELTS, ROLLERS, AND THE LIKE
Harry Hall, Erith, England
Application June 9, 1948, Serial No. 31,924
In Great Britain June 18, 1947
8 Claims. (Cl. 198—229)



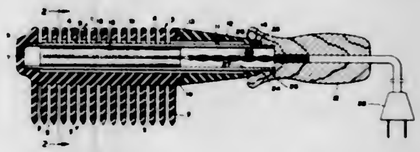
4. Apparatus for removing material from a conveyor belt, comprising in combination, a scraper element, front and rear members between which said element projects, flexible straps for supporting said element, from the side opposite to the scraping face, a shaft extending lengthwise of said scraper element behind said rear member around which shaft the other ends of said straps are passed and secured, a water-tight casing in which said shaft, scraper element and straps are housed, said shaft extending outwardly of said casing, a ratchet lever secured to said shaft, a tension weight on said lever whereby said straps are wound on said shaft by movement of said casing and maintaining said scraper in contact with the conveyor belt.

2,545,884
HIGH-PRESSURE MERCURY VAPOR ELECTRIC DISCHARGE LAMP
George Glynn Isaacs, Kenton, and Evan Herbert Nelson, Harrow Weald, England, assignors to General Electric Company, a corporation of New York
Application November 25, 1947, Serial No. 787,982
In Great Britain January 18, 1946
2 Claims. (Cl. 176—122)



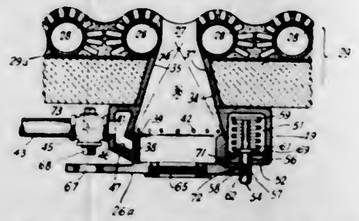
1. In a high pressure mercury vapor electric discharge lamp of the short-gap type for operation at a power input of 4000 watts, the combination comprising an enclosing envelope, a pair of electrodes defining therebetween an arc gap of a length lying within the range from 1.7 to 5.5 cm., inclusive, and operable at a voltage of not less than 20 volts per centimeter of arc length at a luminous efficiency of 60 lumens per watt or greater.

2,545,885
HAIR GROOMING DEVICE
Herman F. Jackson, Detroit, Mich.
Application August 11, 1948, Serial No. 43,690
2 Claims. (Cl. 132—14)



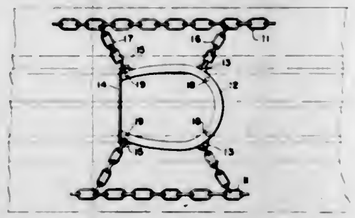
1. A grooming device comprising an elongated comb member having an aperture extending longitudinally therethrough, said comb member having spaced hair separating members with the spaces therebetween communicating with said aperture, a supporting member rigid with one end of said comb member, an elongated tubular supporting member rigid with the other end of said comb member and having a bearing portion, a tubular heating and supporting rod fixed to said first-named supporting member to rigidly support said one comb member end and extending through said bearing portion, and a handle fixed on the free end of said rod and clamping said bearing portion to said rod to rigidly fix the other end of said comb member to said rod, said rod being of less diameter than the aperture through said comb member and being held by said supporting members in radially spaced relation to said comb member.

2,545,886
OPENABLE CLOSURE FOR CHAMBERS UNDER SUPERATMOSPHERIC INTERNAL PRESSURE AND ASSOCIATED FLUID PRESSURE MEANS FOR PREVENTING THE ESCAPE OF FLUIDS THEREFROM
Lambert Kooistra, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application September 21, 1945, Serial No. 617,719
9 Claims. (Cl. 110—179)



9. In combination with a wall structure having an opening therein to a chamber operable under superatmospheric internal pressure, closure means for said opening comprising a door movable into open and closed positions relative to said opening, fluid pressure means for preventing the ejection of gases from said chamber, means including a valve for controlling the operation of said fluid pressure means, and means responsive to movement of said door for preventing operation of said valve except when said door is in the closed position.

2,545,887
TRACTOR CHAIN
William F. Langenfeld, Earling, Iowa
Application July 1, 1949, Serial No. 102,619
1 Claim. (Cl. 152—229)



In an anti-skid chain device of the character described, a pair of spaced side chains, an intermediate member in the form of a horseshoe, a plurality of ground-engaging projections carried by said intermediate member, a transverse bar member rigidly connecting the rear ends of the intermediate member and formed at its ends to define eye elements, additional eye elements secured to the forward side portions of said intermediate member, and respective short chains connecting the respective eye elements to the adjacent side chains.

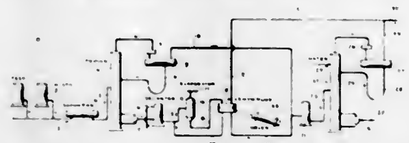
2,545,888
ARTICLE FEEDING APPARATUS
Harry L. Louden, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application December 2, 1947, Serial No. 789,316
6 Claims. (Cl. 193—43)

1. In apparatus of the class described for orienting hollow cylindrical articles having one end thereof closed, the combination of means providing a pair of channels having adjacent and opposed upper ends and merging at their lower ends into a common outlet, means to receive and support one of said articles between and in alignment with the said upper ends of said channels but without regard to the direction in which the open end of said article faces, a pair of plungers of smaller size than the interior of said articles and mounted in opposing



relationship adjacent to and in alignment with the upper ends of said channels, and means mounting said plungers for alternate movement through said channel ends and through a portion of the position occupied by an article in said support means whereby one of said plungers engages the adjacent closed end of said article to push it open-and-foremost into the opposed channel.

2,545,889
RECOVERY OF OXYGENATED COMPOUNDS
Alexander F. MacLean, Robstown, Tex., assignor to Celanese Corporation of America, a corporation of Delaware
Application November 19, 1948, Serial No. 61,001
9 Claims. (Cl. 260—452)



1. Process for the treatment of a crude mixture of organic compounds, which comprises reacting a mixture of organic compounds consisting essentially of methylal, methyl formate and a minor proportion of methanol with an aqueous solution of an alkali metal hydroxide to effect saponification of the methyl formate present to yield free methanol and an alkali metal formate, distilling the saponification reaction product to remove methylal and methanol therefrom, and concentrating the aqueous alkali metal formate solution to form an aqueous slurry of crystalline alkali metal formate.

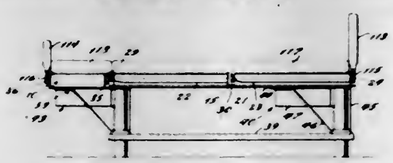
2,545,890
CHAIN WASHING DEVICE
Floyd B. McKneely, Great Kills, N. Y.
Application July 2, 1946, Serial No. 681,088
3 Claims. (Cl. 114—179)

1. A device for cleaning the anchor chain of a vessel comprising in combination, a hawse pipe, sloping downwardly and outwardly from the deck

of said vessel to the side of said vessel's hull, a plurality of circumferentially spaced openings piercing the wall of said hawse pipe, a plurality of nozzles, one interfitted into each of said openings, and means to supply liquid under pressure to each of said nozzles, one of said nozzles being so positioned as to direct a stream of liquid ensuing therefrom in a downward vertical line onto an anchor chain drawn upwardly through said hawse pipe, the remaining nozzles being angularly spaced on either side of the aforementioned nozzle, whereby streams of liquid ensuing therefrom impinge on either side of said anchor chain, so that said chain being drawn upwardly through said hawse pipe is washed on its underside by a flow of liquid passing down the hawse pipe, on its topside by the liquid stream ensuing from said vertically positioned nozzle and on its sides by the liquid streams ensuing from said angularly positioned nozzles.



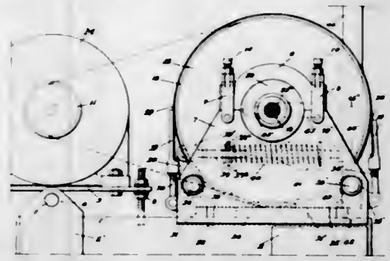
2,545,891
CONVERTIBLE FURNITURE
Otto Mehr and Fred Mehr, North Bergen, N. J.
Application November 6, 1945, Serial No. 626,972
5 Claims. (Cl. 5—3)



4. In convertible furniture, the combination of a main surface member having supporting legs therefor, said main surface member having T-shaped tracks mounted in the edges and extending outwardly thereof, swingable frame members supported on and swingable about said legs, auxiliary surface members removably secured to said swingable frame members in positions adjacent said main surface member, said auxiliary surface members having T-shaped tracks mounted in their edges and extending outwardly thereof, and upright members having slides extending outwardly of their edges, said slides engaging said tracks so as to unite said upright members with said main surface member and said auxiliary surface members.

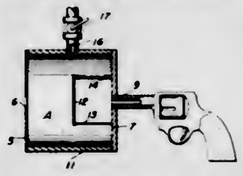
2,545,892
HOISTING MACHINE
George E. Moore, Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich., a corporation of New Jersey
Application February 12, 1947, Serial No. 727,979
2 Claims. (Cl. 254—187)

1. In a hoisting mechanism the combination comprising a rotatably supported cable spool having a brake drum, a power driven shaft, a planetary gear train interconnecting said shaft with said spool and including a brake drum, a pair of brake bands, one for each of said brake drums, means for anchoring one end of each brake band, pivotally supported members attached respectively to the other end of each brake band, the member connected to the planetary gear brake band being connected to a pivot stud, a short lever also connected to said pivot stud,



a manual lever pivotally connected to the end of said short lever, a spring loaded link pivotally connected at one end to the pivotally supported member attached to said spool brake drum and at the other end to said manual lever, and means forming a fixed pivotal support for said manual lever, said link being pivotally connected to said manual lever between said fixed pivotal support and its point of pivotal connection with said short lever, said spring normally maintaining the spool brake applied and the gear brake released.

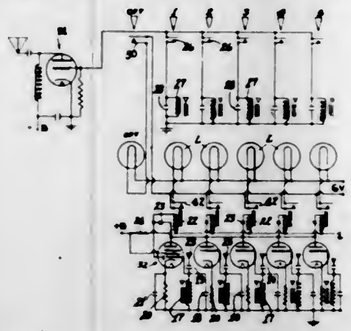
2,545,893
VORTEX GUN
John M. Novak, San Francisco, Calif.
Application October 8, 1947, Serial No. 778,595
1 Claim. (Cl. 222—193)



A vortex gun comprising a pair of rigid, spaced plates, one of said plates having a circular orifice through which a vortex ring issues, a tubular member extending between said plates and having an inner diameter larger than the diameter of said orifice, and with said plates forming a chamber, means for discharging an explosive into said chamber at a point substantially opposite said circular orifice and an imperforate disc positioned between said orifice and said discharge means, said disc being of less diameter than the inner diameter of the tubular member and concentric therewith, and valved means for admitting material to be expelled into said chamber for expulsion therefrom by the vortex ring.

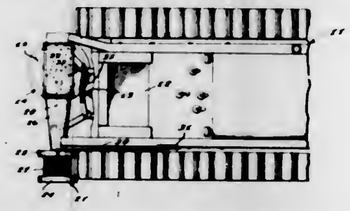
2,545,894
NONINTERCEPTIVE RADIO COMMUNICATION SYSTEM
Bessie S. Parker, Royalston, Mass.
Application May 9, 1947, Serial No. 747,901
6 Claims. (Cl. 250—8)

6. A communication system having a plurality of controlling radio frequency carriers comprising a main station and a plurality of sub-stations interlinked thereby, each sub-station including a call signal circuit and a radio frequency transmitter energized by the closing of said call signal circuit for radiating a call signal of a frequency characteristic of the sub-station, said main station including a plurality of radio receivers each tuned to receive a call signal of one of said sub-station transmitters, a control transmitter circuit and means for energizing said transmitter to radiate a frequency conditioning signal characteristic of one of said sub-stations, a conditioning signal receiver at each sub-station tuned to a frequency conditioning signal characteristic



of the particular sub-station, a character selector for each sub-station adapted to be connected to the sub-station transmitter by said conditioning signal receiver, said character selector including a plurality of keys each representative of a different character and each having a tuned circuit resonant at a different frequency adapted to be individually connected thereby to the sub-station transmitter for radiating a carrier signal of frequency corresponding to a particular character key, a main station printer including a plurality of receivers each tuned differently to correspond to the carrier frequency representative of each character key, and a solenoid operated printer energized by each receiver.

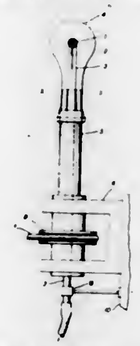
2,545,895
TRACTOR WINCH
William Donald Parmenter, Terrace, British Columbia, Canada
Application April 6, 1948, Serial No. 19,319
1 Claim. (Cl. 254—166)



In a tractor of the track laying caterpillar tread type, a frame, a housing secured to the rear portion of said frame and extending transversely of the tractor, said housing being located rearwardly of the caterpillar treads of the tractor and terminating adjacent the rear end of one of the caterpillar treads, a shaft member axially journaled in said housing, a cable reel secured to the outer end of the shaft member substantially

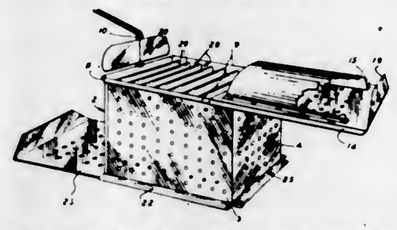
in the same longitudinal vertical plane of said one of the caterpillar treads, said reel being formed with annular extensions at its peripheral side margins, a vertical upstanding arm projecting radially from said housing adjacent the inner annular extension, a pin carried by said arm overlying said inner annular extension, a lever pivoted at its intermediate portion to said pin, a brake band encircling said inner extension, one end of said brake band being secured to said pin and the other end of said band being secured to the lower end of the lever, a handle pivoted to said frame, and means connecting the handle to the upper end of said lever, whereby tension may be applied to said brake band responsive to rotation of said handle.

2,545,896
ELECTRIC LAMP, LIGHT DIFFUSING COATING THEREFOR AND METHOD OF MANUFACTURE
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 7, 1948, Serial No. 878
32 Claims. (Cl. 176—16)



1. A highly efficient radiation diffusing coating on a radiation transmitting body and which consists of finely divided rounded particles of silica directly and self-adherent to said body.

2,545,897
TORTILLA FRYER FOR TOSTADAS
Joseph P. Pompa, Glendale, Ariz.
Application March 1, 1950, Serial No. 147,107
2 Claims. (Cl. 99—416)



1. A tortilla deep fat fryer for crisping tortillas to form flat food bases, comprising in combination, a rectangular body having perforated sides and ends, a perforated slide opening bottom, a plurality of perforated transverse partitions within said body providing a plurality of shallow compartments adapted to hold a stack of tortillas edgewise therein, a slidable plate forming a top,

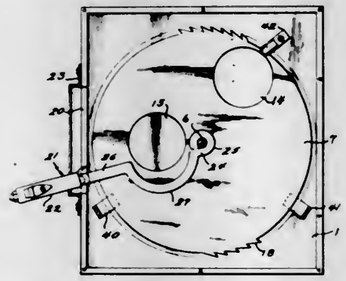
a hood on said top forming a grease guard, and an upwardly extending handle attached to the top portion of said body.

2,545,898
GUTTER TERMINAL
Vernon F. Schmitt, San Diego, Calif.
Application December 16, 1949, Serial No. 133,234
1 Claim. (Cl. 174—59)



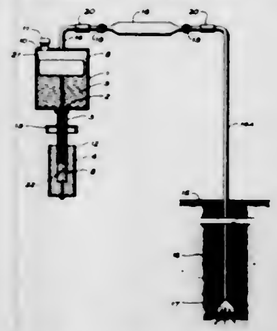
In a wire connecting terminal of the character described, a housing, a base member of insulating material secured in said housing, said base member being formed with a channeled groove, a flat conductor mounted in said channeled groove, a short conductive tubular member secured to one end of said flat conductor, said short tubular member being provided with a longitudinal opening, a clamping screw threaded through its top wall and communicating with said opening for engagement with a wire end inserted in said opening, an elongated conductive tubular member secured to said flat conductor in axial alignment with and adjacent to the short tubular member, the side walls of said elongated tubular member being formed with a plurality of sets of oppositely registering apertures, each set of oppositely registering apertures being adapted to receive a wire end extending transversely through the elongated tubular member, respective clamping screws threaded through the top wall of the elongated tubular member in the transverse planes of the respective sets of oppositely registering apertures, and an elongated flexible sheath member of insulating sheet material clamped at one margin thereof between an edge of the elongated flat conductor and an inner side wall surface of the channeled groove, said sheath member being formed and arranged to overlie the tubular members.

2,545,899
MULTIPLE X-RAY PICTURE SERIATING DEVICE
Jose G. Sobá, Ciudad Trujillo, Dominican Republic
Application January 26, 1949, Serial No. 72,961
6 Claims. (Cl. 250—66)



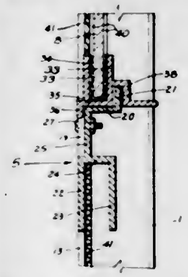
1. A multiple X-ray picture seriating device comprising a supporting structure, and a pair of rotatable masking disks having two exposure openings therethrough with one opening nearer the center of rotation than the other, said masking disks being rotatable separately and together to bring the openings into registry and to vary the position of the registering openings.

2,545,900
APPARATUS FOR COLLECTING SOIL GAS SAMPLES
Rodney M. Squires, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 24, 1947, Serial No. 724,010
3 Claims. (Cl. 73—421.5)



1. A device for withdrawing gas from the earth at a constant pressure which comprises a gas collecting chamber having an inlet at the top; a hollow pipe extending from the bottom of said chamber; a float in said chamber; a generally cylindrical cup; a rod secured to the bottom of said cup and extending vertically upwards therefrom through the pipe for interconnecting said cup and said float; said float being so proportioned as to displace a quantity of water sufficient to equal the weight of the float, the rod, and the cup when filled with water when said float is substantially completely submerged, whereby when said float is buoyed up by the water in the chamber a constant vertical distance will be maintained between the level of the liquid in the chamber and the level of the liquid in the cup.

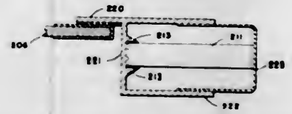
2,545,901
STORM WINDOW
Harry R. Sugar, Akron, Ohio
Application November 19, 1945, Serial No. 629,547
2 Claims. (Cl. 189—75)



1. A storm window with an upper and a lower sash, on the two sides thereof stiles with inwardly extending portions, and between the sashes and extending from one stile to the other

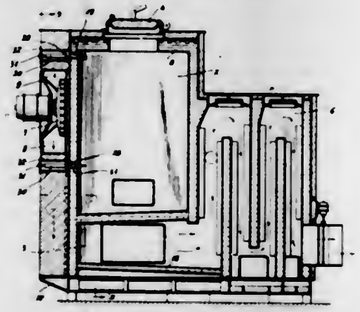
a unitary extruded middle rail formed at the bottom with a channel having vertical walls and a horizontal bottom, and formed at the top with an inwardly extending horizontal rest, and between the rest and the channel a vertical section spaced from the outside wall of the channel the thickness of said inwardly extending portions of the stiles, said outside wall of the channel being cut away at each end to abut said inwardly extending portions of the stiles, and means fastening said vertical section of the middle rail to said portions of the stiles.

2,545,902
METAL STORM WINDOW
Harry R. Sugar, Akron, Ohio
Application July 26, 1950, Serial No. 176,045
4 Claims. (Cl. 20—55)



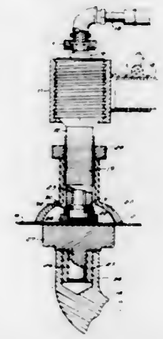
1. A storm window with extruded stiles each of which has in its outer face a channel with at least one lip extruded in the bottom thereof, an extender movable in and out of the channel, and a leaf spring shaped and positioned to press against the extender, one side of the central portion of the spring being against the base of the lip with a portion of the lip bent thereover.

2,545,903
BOILER
David Leonard Swendsen, Sundsvall, Sweden
Application August 30, 1945, Serial No. 613,619
In Sweden October 27, 1944
2 Claims. (Cl. 122—371)



1. A hot water boiler having in combination a furnace, a first water-cooled grate dividing said furnace into an upper chamber and a lower chamber, the lower part of said upper chamber being arranged for inverse combustion of solid fuel, and the upper part of the said upper chamber being arranged to serve as a fuel magazine, a second water-cooled grate arranged in the lower chamber adjacent to but spaced from the lower end thereof, a water jacket surrounding said furnace, a main heating room at the rear of said furnace, water channels in said main heating room communicating with said water jacket, said first grate being inclined upwardly towards the rear of said furnace and the second grate downwardly towards the rear, both of said grates communicating respectively the first at the front and rear with said water jacket, and the second at the rear with the first water channel of said main heating room and at the front with said water jacket, whereby a natural thermosiphon is provided for circulation of water through said grates, jacket, and channels, an impeller fan for supplying combustion air under pressure to said upper and lower chambers, ducts and spreader nozzles extending from said fan and communicating with the upper part of the upper chamber and below the center thereof, and a duct extending from said fan and opening into the space defined by the second grate and the lower end of the furnace for supplying air under pressure upwardly through the said second grate to comingle with the combustion gases flowing downwards from the upper combustion chamber through said first mentioned grate into the lower chamber and for combustion of solid fuel falling down on the second grate.

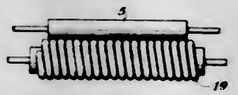
2,545,904
SHEET METAL FORMING MECHANISM
Donald R. Taylor, Tullos, La.
Application October 21, 1948, Serial No. 55,709
1 Claim. (Cl. 153—32)



A sheet metal forming mechanism comprising a yoke shaped frame, a hammer casing having a power hammer therein adjustably mounted in one end of said yoke frame for movement in a direction normal thereto and extending crosswise of the opening of said yoke frame, means for locking said hammer casing in adjusted positions in said yoke frame, a dolly mounted on the other end of said yoke frame and extended normally inwardly from the same in a position opposite to said power hammer to cooperate therewith in the shaping of sheet metal or the like, said power hammer provided with a slidably mounted ram extended out of the inward end of said casing, a ram shoe provided with a recess in which said ram reciprocates for striking said ram shoe, whereby said ram shoe imparts blows to the sheet metal surface positioned between said ram shoe and said dolly, said ram shoe being provided with a cylindrical upstanding wall portion encircling said ram, the upper edge of said cylindrical portion being positioned directly beneath the lower surface of said hammer casing whereby said shoe may be brought into pressure contact with said metal surface by lowering said hammer casing and wherein said ram shoe is provided with a spacing means for extending the same away from said ram, said spacing means comprising a cup-shaped washer adapted to slidably fit on the upper rim surface of said cylindrical portion of said

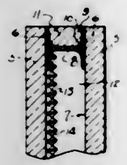
ram shoe, and annular shim means interposed between said cup-shaped washer and the upper surface of said cylindrical portion.

2,545,905
PASTER FOR WALLPAPER MACHINES
Alexander Thomas, Manchester, England, assignor to Hyde Manufacturing Company, Southbridge, Mass.
Application August 17, 1945, Serial No. 610,967
In Great Britain June 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 17, 1964
2 Claims. (Cl. 91—51)



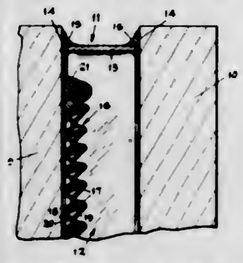
1. In a wallpaper pasting machine, the combination of a frame, a paste trough carried by the frame, a pasting roller and a pressure roller journalled in the frame in superimposed relationship and arranged to receive the wallpaper strip therebetween, spring means associated with one of the rollers for causing such roller to apply pressure against the second roller, means for varying the pressure applied by such spring means, and means whereby an increase of pressure causes a reduction in the paste deposit on the paper, such means comprising a helical winding on the pasting roller and formed of a resilient cord which is generally circular when free of pressure, thus leaving paste-carrying cavities between the convolutions whereby the increase in pressure will tend to flatten the winding and reduce the cavities between adjacent turns of the winding.

2,545,906
MULTIPLE GLASS SHEET GLAZING UNIT HAVING ENCLOSED ANGLED METAL SLATS
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 11, 1944, Serial No. 567,694
1 Claim. (Cl. 88—60)



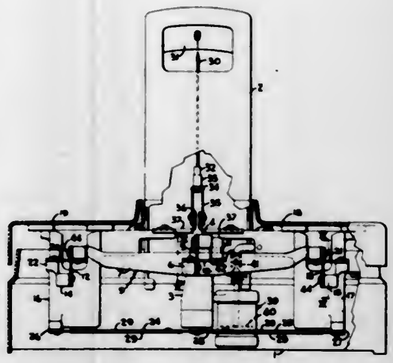
A multiple glass sheet glazing unit of the character described, comprising two spaced parallel sheets of glass, metallic coatings around the marginal portions of the opposed surfaces of said glass sheets and firmly adherent thereto, a metal spacer strip arranged between the glass sheets and secured to the metallic coatings, and a light modifying screen including a plurality of horizontally arranged angled metal slats and a series of spaced vertical wires positioned between the glass sheets closer to one glass sheet than to the other and having the vertical wires thereof soldered to the metallic coating on the marginal portion of the closer glass sheet.

2,545,907
MULTIPLE GLAZING UNIT WITH LIGHT MODIFYING SCREEN
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 16, 1949, Serial No. 105,218
6 Claims. (Cl. 20—56.5)



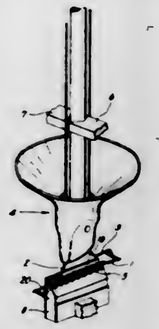
1. A multiple glass sheet glazing unit, comprising two spaced parallel sheets of glass, a metal separator lying between the marginal portions of the glass sheets and firmly adherent thereto, and a light screening member fixed within the space between the glass sheets and made up of a plurality of flat slats extending in one direction and a series of spaced wires extending in a different direction for holding said slats in place, said screening member being under unidirectional tension in the direction of said wires and secured to one of said glass sheets.

2,545,908
FLEXURE PLATE SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application May 3, 1947, Serial No. 745,868
5 Claims. (Cl. 265—54)



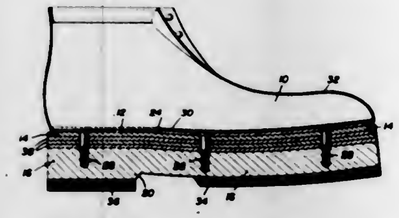
4. In a weighing scale having a frame, a load receiver, and load counterbalancing means including a lever, members flexible only in bending for pivotally connecting the lever to the cooperating parts of the weighing scale, said members cooperating in pairs to form the pivotal connections to the lever, the members of each pair lying one in each of a pair of intersecting planes and each member having some but not more than twenty-five percent of its free flexible portion lying on one side of the intersection of the planes.

2,545,909
APPARATUS FOR APPLYING EMISSION MATERIAL TO CATHODES
William P. Zabel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 22, 1948, Serial No. 66,643
2 Claims. (Cl. 91—47)



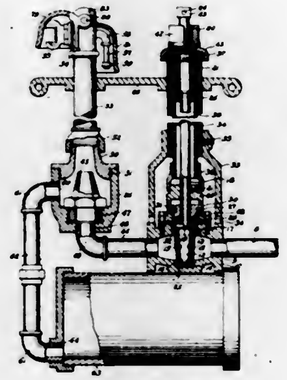
1. Apparatus for applying electron emission material to a coiled filamentary cathode comprising a cup for holding a pool of a liquid containing the emission material, a movable applicator in the form of a horizontally disposed open-ended trough having a ridge extending centrally and longitudinally along the bottom thereof, means for supporting the cathode in a horizontal position above said cup and with its longitudinal axis parallel to and in alignment with the longitudinal axis of said applicator, and means for supporting the applicator in a horizontal position and carrying it upward toward the cathode support means from a normal immersed position within the cup to a position surrounding the cathode and with the said ridge pressed firmly against the coils of the cathode so as to apply the emission material to the cathode before it drains out of the trough and for returning said applicator to its position within the cup so as to effect a withdrawal of the excess liquid from said cathode.

2,545,910
WEIGHTED FOOTWEAR
George Aprile, Fair Lawn, N. J.
Application December 2, 1948, Serial No. 63,146
4 Claims. (Cl. 36—2.5)



1. The combination in weighted footwear of a vamp, a leather sole stitched to the vamp, a metal insole, a heavy plate of a shape conforming generally with the shape of said sole, and means extending through said metal insole and sole into said plate to secure said plate to said metal insole.

2,545,911
ANTIFREEZING SANITARY HYDRANT ASSEMBLY
Thomas E. Bart, Cincinnati, Ohio, assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio, a corporation of Ohio
Application August 16, 1946, Serial No. 691,138
4 Claims. (Cl. 137—13)

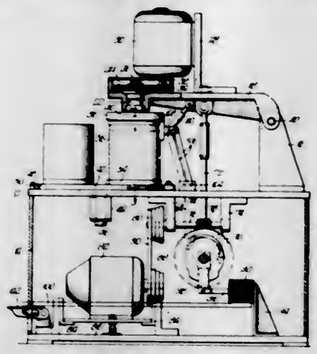


1. A non-freezing water service fixture adapted to protect a potable water supply line against pollution, said fixture comprising in combination, a riser having an upper discharge end attachable to a valve-controlled delivery conduit, and a lower end for disposition to a non-freezing zone, an ejector including a nozzle for directing a stream of water upwardly into the lower end of the riser, a potable water storage tank in communication with the ejector and adapted to receive such water as may drain from the riser, a vacuum breaker in the form of a tube communicating with the upper end of the riser interior, said tube having a depending free end open to atmosphere exteriorly of the riser, a closure for selectively closing the open end of the tube, a hood depending from the upper end of the riser and disposed in protective relationship to the tube and the closure, said hood having an open bottom affording access to the closure, and means including a lubricated plug type valve for controlling flow of water between the ejector nozzle and the potable water supply line.

2,545,912
CONTAINER SPINNING MACHINE
John R. Baumgartner, Milwaukee, Wis., and John G. Bell, Chicago, Ill., assignors, by mesne assignments, to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application June 4, 1949, Serial No. 97,148
2 Claims. (Cl. 93—36.5)

1. In a device for forming rolled edges on containers, a spinner head, a motor for rotating said spinner head, a vertically pivotal arm for rotatably holding said spinner head and supporting said motor, a rotary bed having a plurality of stations for mounting said containers, said stations being selectively alignable axially of said spinner head when said arm is in a substantially horizontal position, a clamp operatively connected to said arm for engaging a container when said arm is in a substantially horizontal position

and said container is in axial alignment with said spinner head, an eccentric for raising and



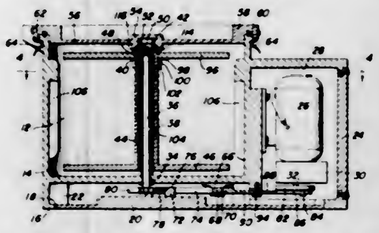
lowering said arm and a motor for driving said eccentric.

2,545,913
RENEWABLE CUTTER FOR QUARRY DRILLS
Walter F. Bock, Melrose Park, Ill.
Application February 20, 1948, Serial No. 9,683
4 Claims. (Cl. 255—61)



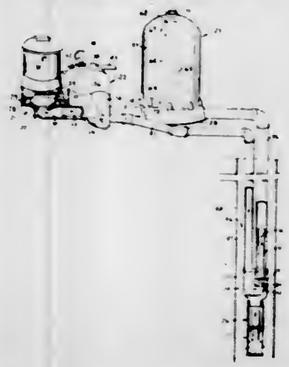
1. A quarry drill comprising a bit and a solid one-piece cutter disposed on the end of said bit, said bit having a pair of oppositely positioncd longitudinal slots extending from its end and each terminating in a shoulder substantially normal to the bit axis, a pair of integral axially extending fingers on said cutter fitted squarely into said slots endwise, the ends of said fingers substantially abutting said shoulders, resilient packing means disposed transversely across the end of each slot against the shoulder thereof and abutting the end of the respective finger, and peripherally disposed shock means integral on the body of said bit and overhanging each of said shoulders for retaining said packing means, said last named means engaging the respective finger endwise and being relatively softer than the material of said bit, said bit having a pair of axially spaced openings therethrough extending between said slots, each of said fingers having spaced openings aligned with the openings in said bit and said finger openings each having a tapered countersink at its outer end, a securing member extending through each set of said aligned openings and having an inwardly tapered head at one end seated in the respective countersink of one finger flush with the outer surface thereof and having its other end in threaded engagement with the respective opening in the opposite finger, and a tapered nut threaded on the said other end of each securing member and seated in the respective finger countersink flush with the outer surface thereof, said securing members extending in opposite directions relative to each other.

2,545,914
AGITATOR
Henry F. Boucher, Spencer, Mass.
Application June 11, 1948, Serial No. 32,411
6 Claims. (Cl. 95—89)



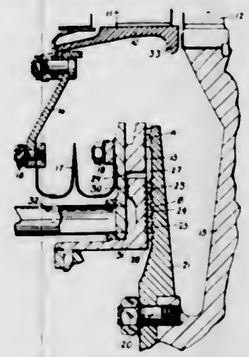
1. An agitator for film comprising a frame, a driving shaft carried by the frame, a reciprocating member mounted on said frame and including first and second unitary acting rack bars, guides carried by said frame slidably receiving the first rack bar, a wall underlying said member and slidably supporting the second rack bar, a gear on said shaft engaging said second rack bar, and means engaging said first rack bar for reciprocating said rack bars as a unit.

2,545,915
PUMPING SYSTEM AND PRIMER THEREFOR
John L. Bovee, Jr., Anaheim, Calif., and Elmer M. Deters, Davenport, Iowa, assignors to Red Jacket Manufacturing Co., Davenport, Iowa, a corporation of Iowa
Application February 11, 1946, Serial No. 646,924
8 Claims. (Cl. 103—5)



7. A deep well pumping system comprising: a pump for pumping fluid from a well and having inlet and outlet passages; a discharge box having an air separation chamber, an inlet port, a discharge port and a recirculation port, said inlet port being in communication with said pump outlet passage, said ports being positioned to have a generally upwardly directed flow from the inlet port to the discharge port and a generally downwardly directed flow in a non-rectilinear path from the inlet port to the recirculation port to effect maximum separation of gas from the fluid as it flows from the inlet to the recirculation port, a jet pump disposed in said well in communication with said recirculation port and the inlet passage to aid said pump in pumping fluid from the well, and a combination gas separating and priming chamber unit connected between said jet pump and said pump comprising a fluid tight casing having a single chamber for storing both gas and liquid and an inverted substantially U-shaped tube having spaced legs, one of said legs positioned in said housing to receive fluid after delivery from the jet pump and said other leg positioned to discharge fluid to said inlet passage, said inverted U-shaped tube having aperture means at an upper position and at a lower position on said last mentioned leg providing communication between the interior of the tube and said chamber, said aperture means being operable to remove gas from fluid flowing from said jet pump to said pump and temporarily storing said gas in said chamber until the pump is primed and said aperture means thereafter effecting the removal of gas from said chamber at a rate slow enough to prevent the formation of air pockets.

2,545,916
LABYRINTH PACKINGS, PARTICULARLY FOR USE IN INTERNAL-COMBUSTION TURBINES
Thomas Clark, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application October 10, 1947, Serial No. 779,076
In Great Britain August 19, 1947
2 Claims. (Cl. 286—9)



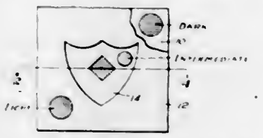
1. In an internal-combustion turbine unit, a rotary turbine member, a stationary member having an annular passage therein concentric with the rotational axis of said rotary turbine member, said rotary and stationary members having adjacent radial faces accessible to the gas pressure of the turbine, a labyrinth packing between said radial faces comprising a plurality of annular strips carried by one of said members and extending towards the other, said strips arranged in two groups which are radially-spaced to provide an annular space between the inner and outer groups of strips, axial duct means in said stationary member adapted to be in registry with the annular space between said two groups of strips, at least one pipe for delivering to said annular passage cooling air at a pressure in excess of that of said gas pressure, and radial duct means carried by said stationary member communicating between said annular passage and axial duct means for delivering said excess pressure air to said annular space whereby to promote a flow of said excess pressure air through the labyrinth in opposition to the gas pressure of the turbine.

2,545,917
DRAINAGE DEVICE FOR DRUM DRIERS
James C. Cowie, Liverpool, Nova Scotia, Canada, assignor to Mersey Paper Company, Limited, a corporation of Nova Scotia, Canada
Application July 19, 1948, Serial No. 39,422
In Canada July 15, 1948
4 Claims. (Cl. 34—124)



1. In a drier, a hollow horizontal shaft, a rotating drum mounted to turn about said shaft, means to feed steam to the interior of said shaft, means for evacuating water therefrom comprising a stationary siphon extending radially of the interior of the drum, the radial extremity of the siphon being in close proximity to the inner periphery of the drum substantially at the bottom thereof, and means for removing water from the internal drum wall and directing it to the radial extremity of the siphon comprising a stationary blade past which the drum rotates extending longitudinally and carried by said shaft in close proximity to the surface of the inner wall of the drum substantially at the bottom thereof, the blade being disposed at a horizontal angle of about three degrees to the major axis of the drum, the portion of the blade remote from the siphon being displaced angularly in the direction opposite the direction of rotation of the drum with respect to the portion of the blade adjacent the siphon, the radial extremity of the siphon being on the side of the blade towards which the drum rotates, and the vertical plane perpendicular to the drum axis through the radial extremity of the siphon intersecting the blade.

2,545,918
MATERIAL SUITABLE FOR DECORATION BY STAMPING AND PROCESS OF MAKING SAME
Austin E. Davis and Lloyd M. Perry, Nashua, N. H., assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application October 3, 1946, Serial No. 701,042
10 Claims. (Cl. 117—16)



1. As a new article of manufacture a material for decoration by stamping to produce two tone effects comprising a base material having adherent thereover a pigmented film of substantial opacity, at least a quarter of the pigment therein consisting of hard discrete particles of commi-

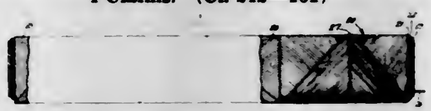
nuted material which is fusible in the sense that it will plastically respond to the heat and pressure of the stamping tool with resultant localized coalescence of the softened particles to provide diminished reflectance in the treated area.

2,545,919

METHOD OF LOADING COPS

Frank Foderaro, Lawrence, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y., a corporation of New York

Application October 21, 1947, Serial No. 781,225
4 Claims. (Cl. 242—161)



1. The method of loading a cop, having a winding wound universally and in tubular form to form a coaxially disposed hollow core defining an appreciable void, in the chamber of a shuttle, which consists in elongating the cop lengthwise to reduce its overall cross-section until the cop is small enough to pass between the side walls of the chamber of the shuttle, inserting said cop in the chamber of the shuttle, and then compressing the opposite ends of the cop to expand the cop cross-sectionally thereby automatically adjusting the cop to fit between the side walls of the chamber of the shuttle.

2,545,920

TRANSURANIC METAL HALIDES AND A PROCESS FOR THE PRODUCTION THEREOF

Sherman Fried, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application July 15, 1947, Serial No. 761,143
10 Claims. (Cl. 23—14.5)

1. A process for the production of a transuranic metal halide which comprises contacting with aluminum and a halogen a transuranic metal compound of the group consisting of oxides, oxyhalides, and halides and mixtures thereof, said oxyhalides and halides containing a halogen more electronegative than the halogen reactant, at an elevated temperature and recovering the resultant transuranic metal halide from the reaction product.

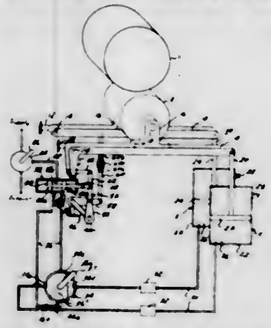
2,545,921

CONTROL MECHANISM FOR FLUID MOTORS

John E. Goodwillie and Alonzo A. Neese, Beloit, Wis., assignors to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

Application July 2, 1947, Serial No. 758,568
3 Claims. (Cl. 60—97)

1. In combination, a pair of spaced, independently movable roll support members, a roll journaled on said support members and movable thereby to and from a nip defining position with respect to another roll, a fluid pressure motor for moving each of said support members, a control valve having an inlet connected with a source of fluid pressure and a pair of outlets respectively connected to said fluid pressure motors, a first selector valve arranged to selectively connect said inlet to a fluid pressure source or to a fluid exhaust conduit, a flow control member movable in said control valve to selectively connect either one or both of said outlets to said inlet, linkage means controlling the position of said flow control member as a function of unequal displacement of said roll support members from their nip defining positions to supply relatively more fluid to the fluid pressure motor associated with the slower moving member, thereby insuring substantially concurrent movements of said support



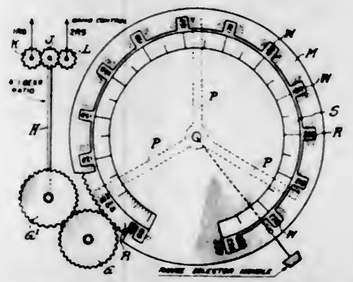
members, and a second selector valve connected between said outlets and said fluid motor means, said second selector valve being constructed and arranged to interchange connections between said outlets and said fluid motors, whereby the manipulation of said first and second selector valves between their two positions respectively move said support members uniformly toward and away from their nip defining positions.

2,545,922

PULSED ECHO SOUNDER AND LIKE SUB-AQUEOUS DISTANCE MEASURING APPARATUS

Trevor Gray, Crossways, Shenfield, England, assignor to Marconi Sounding Device Company Limited, London, England, a company of Great Britain

Application January 26, 1948, Serial No. 4,426
In Great Britain February 20, 1947
8 Claims. (Cl. 177—386)



1. In a sub-aqueous distance measuring device of the kind in which a pulse is periodically transmitted and the received echo, if any, employed to actuate an echo signal indicator which is rotated at known constant speed a plurality of revolutions per pulse period, a pulse transmitter, a pulse receiver, an echo signal indicator, means for rotating said indicator a plurality of revolutions per pulse period, an indicia ring member associated with the rotational path of said indicator, said indicia ring member having a plurality of sets of markings of which each set is appropriate to a different depth range, successive markings of

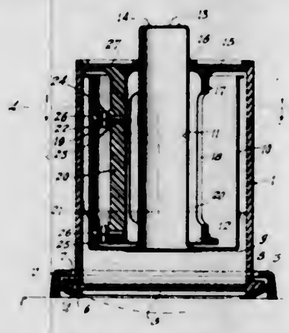
each set being spaced with markings of the other sets between them, a masking member over said indicia ring member, means for producing any of a plurality of predetermined relative positions between said indicia ring member and said masking member in each of which positions a different set of markings on said indicia ring member is exposed, selectably operable switching means for preventing operation of the echo signal indicator except during a selectable predetermined revolution in each pulse period, and a range selector means for selecting the revolutions in which the indicator is operative and determining the relative position of the indicia ring member to the masking member whereby in each position of adjustment of the range selector means the markings exposed are those of a depth range appropriate to the revolutions selected.

2,545,923

HYDROSTATIC WEIGHING SCALE

Alexander F. Jackson, East Orange, N. J.

Application January 17, 1948, Serial No. 2,930
5 Claims. (Cl. 265—43)



5. A hydrostatic weighing scale comprising an outer vessel containing liquid and having a tight fitting cover provided with a central opening, a cup-shaped plunger inside said vessel having its bottom end submerged in said liquid, and having a coaxial stem in spaced relation to its side wall and extending upwardly through said opening in the cover with its upper end formed to support an article to be weighed, there being a graduated scale on the plunger to coact with the level of said liquid for measuring the weight of the supported article, and centering and guiding means for said plunger carried by said cover and extending into the space between said stem and said side wall of the plunger.

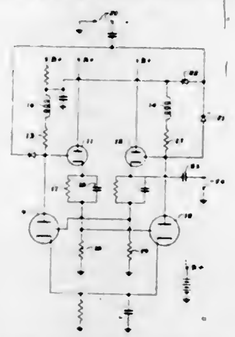
2,545,924

FAST IMPULSE CIRCUITS

Charles Wilkin Johnstone, Los Alamos, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application April 10, 1950, Serial No. 155,065
3 Claims. (Cl. 250—27)

1. In a trigger circuit generally of the Eccles-Jordan type, comprising first and second grid control vacuum tubes and cross-coupling networks, said cross-coupling networks each including a thermionic tube having at least a cathode, grid and an anode, a connection between the grid of the thermionic tube and the anode of the respective grid controlled vacuum tube, a resistive voltage divider connected to the cathode and in series with the inter-electrode space of the thermionic tube and a connection from said voltage divider to the grid of the other grid controlled vacuum tube.



2,545,925

INGOT AND MOLD FOR MAKING THE SAME

Edmund J. Kauffman, Sr., Girard, Ohio, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio, a corporation of New York

Application November 20, 1947, Serial No. 787,163
12 Claims. (Cl. 29—187)



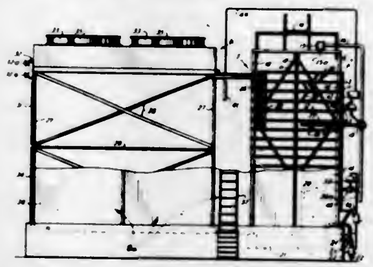
6. A longitudinally tapered fluted metallic ingot, the outlines of cross sections throughout the fluted portion of which comprise a series of spaced, alternating salient arcs and flute arcs, each salient arc being connected with the adjacent flute arcs by substantially straight lines tangent thereto, the arcs of one cross section having radii equal to the radii of corresponding arcs of other cross sections.

2,545,926

AIR AND LIQUID COOLING APPARATUS AND METHOD

Neal B. Lau Bach, Houston, Tex., assignor to Hudson Engineering Corporation, Houston, Tex., a corporation of Texas

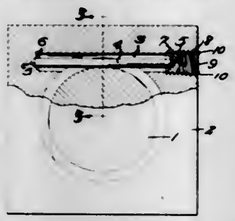
Application June 6, 1949, Serial No. 97,371
16 Claims. (Cl. 62—139)



1. In a cooling system an enclosed tower framework with an air inlet and an air outlet with power means to provide an air draft therethrough, a water cooling system within the frame-

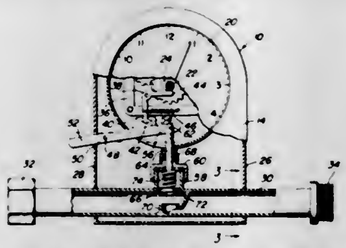
work arranged so the water flows transversely to and in intimate contact with flow of air whereby both fluids are cooled, an air heat exchange cooler transverse the passage for air flow downstream of the water cooling system, and closures, providing part of the enclosure wall of the framework, movable between open and closed positions, said closures communicating with the passage between the water cooler system and air exchanger to admit air to the passage to bypass the water cooler system.

2,545,927
CONSTANT TENSION NUT STOP
Ernest R. Lockwood, Joliet, Ill.
Application January 4, 1946, Serial No. 638,947
2 Claims. (Cl. 151—25)



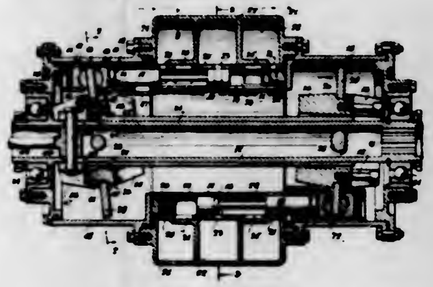
2. A lock nut comprising a nut body having a bolt receiving threaded opening therethrough with a socket extended inwardly from one side and positioned transversely of the axis of said threaded opening, said socket having a conical shaped recess in the inner end and said body having internal threads in the outer end of the socket, a plug having a conical shaped recess in the inner end thereof threaded in the outer end of the socket and positioned whereby the recess therein is aligned with the recess in the inner end of the socket, a pin having conical shaped ends positioned in the socket with one end in the recess in the inner end of the socket and the other in the recess in the plug, said socket and plug positioned whereby the pin frictionally engages threads of a bolt on which the nut is threaded, and means securing the plug in position in the socket.

2,545,928
AUTOMATIC WATER SHUTOFF DEVICE
George K. Martin and Mary M. Martin, San Marcos, Tex., assignors of one-fourth to Thomas A. Buckner, Jr., San Marcos, Tex.
Application July 16, 1948, Serial No. 38,968
3 Claims. (Cl. 161—7)



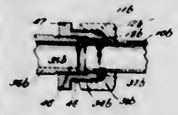
1. In combination with an alarm clock having a cam on the hand shaft; an automatic water shut-off device comprising, a bell crank pivoted at its corner to the clock housing, resilient means normally urging one leg of said bell crank against the cam, a water retaining conduit extending through the clock housing, valve means in said conduit, and lever-actuated means interconnecting the other leg of said bell crank and said valve means for shutting off the water in said conduit in response to a predetermined time-set, the other leg of said bell crank including a terminal hook member and said lever-actuated means includes a bar pivoted to the housing intermediate its ends, said bar having an upstanding hooked lug for engaging said hook member.

2,545,929
PUMP
Elias Orshansky, Jr., Stamford, Conn., assignor to The Acrotorque Company, Stamford, Conn., a corporation of Connecticut
Continuation of application Serial No. 761,866, July 18, 1947. This application March 31, 1949, Serial No. 84,527
19 Claims. (Cl. 103—38)



1. An hydraulic unit of the positive displacement type comprising a shaft, a plurality of sets of cylinders, the cylinders of one set being interspersed with those of the other set, each cylinder having a pressure chamber and a valve space, pistons reciprocable in said cylinders, each piston being shaped to form a valve body movable in the associated valve space, supply manifold means, delivery manifold means, valve passages connecting said manifold means with the pressure chamber of each cylinder through the valve space of an adjacent cylinder, whereby the piston in one cylinder of a set controls the valving of said adjacent cylinder of another set, and means on said shaft for reciprocating the pistons in said adjacent cylinders substantially 90° out of phase.

2,545,930
PIPE CONNECTOR
James C. Richardson, Utica, N. Y., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application October 8, 1946, Serial No. 702,026
9 Claims. (Cl. 285—87)



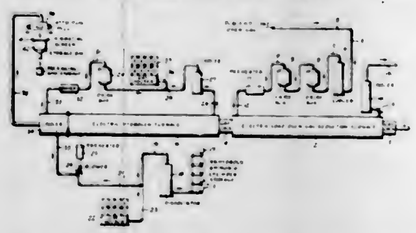
4. Connector means for attaching threadless ductile pipe to another structure, comprising a ferrule encircling said pipe adjacent an end thereof and enclosing an external annular ridge on the pipe constituted by an upset portion of the walls of the pipe; means on said ferrule for securing the same to said other structure in sealing relation therewith; a draft member carried by said pipe behind the ferrule and draft means on said ferrule, said draft member cooperating with said draft means to clamp a portion of said ferrule enclosing said annular ridge against the ridge to form a leak-tight connection between the pipe and the ferrule.

2,545,931
STOCK CUTTING DOWEL FORMING TOOL
Abraham Samsky, Detroit, Mich.
Application January 15, 1948, Serial No. 2,520
4 Claims. (Cl. 82—35)



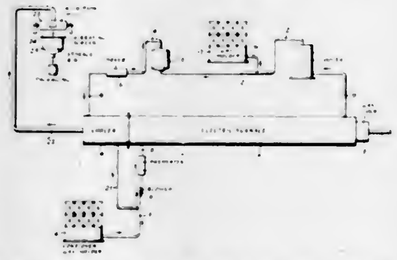
1. A stock cutting and reducing device for fashioning dowels comprising a sleeve for reception and passage of the stock to be cut, said sleeve having a recessed cutter-head at one end, an insertable and removable adapter ring fitted in the recess in said head, and radial cutting tools removably mounted in said head and projecting into said recess, said cutting tools resting in firm retentive contact with said adapter ring and serving to maintain same in place in said recess, and said adapter ring serving as a gage for purposes of setting the positions of said tools and determining the cross-sectional diameter of the finished dowel.

2,545,932
TWO-STAGE CONVERSION OF IRON OXIDE INTO IRON
William Tiddy, Manhasset, N. Y., and Franklin D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 26, 1948, Serial No. 29,326
4 Claims. (Cl. 75—35)



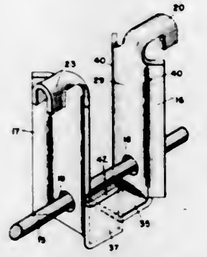
4. A process for the production of iron from oxides of iron which comprises passing coke oven gas once through in contact with iron oxide maintained at a temperature between 1200° F. and 1400° F. for a time sufficient to effect at least 95% removal of oxide-oxygen from the iron oxide, passing hydrogen gas containing between 4 and 20 grains water per cubic foot gas measured at 60° F. and 30 inches mercury in contact with the incompletely reduced iron oxide at a temperature between 1250° F. and 1500° F., recirculating hydrogen gas in contact with the incompletely reduced iron oxide at a temperature between 1250° F. and 1500° F. for a length of time sufficient to convert more than 98% of the iron oxide to iron and to reduce the carbon content of the iron to less than 0.55%, and reducing the moisture content in the hydrogen gas prior to each passage in contact with the incompletely reduced iron oxide to between 4 and 20 grains per cubic foot gas measured at 60° F. and 30 inches mercury thereby regulating the carbon in the iron product from about 0.55% carbon when employing hydrogen containing 4 grains moisture per cubic foot to about 0.08% carbon when employing hydrogen containing 20 grains per cubic foot.

2,545,933
CONVERSION OF IRON OXIDE INTO IRON WITH COKE-OVEN GAS
William Tiddy, Manhasset, N. Y., and Franklin D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 26, 1948, Serial No. 29,327
3 Claims. (Cl. 75—35)



1. A process for the conversion of oxides of iron into oxygen-free iron which comprises recirculating purified coke oven gas in contact with iron oxide at a temperature between 1700° F. and 1900° F., extracting moisture from the coke oven gas before each passage of the coke oven gas in contact with the iron oxide, continuing the recirculation of the coke oven gas until at least 50% of the methane in the coke oven gas is decomposed and until the coke oven gas contains at least 10% carbon dioxide thereby effecting removal of more than 99% of the oxide-oxygen and producing an iron product containing less than 0.26% carbon.

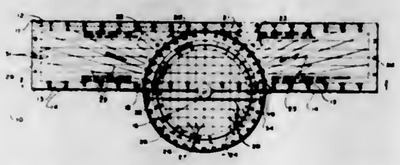
2,545,934
BALANCED WEFT TENSION FOR LOOM SHUTTLES
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 6, 1948, Serial No. 58,736
5 Claims. (Cl. 139—217)



1. In weft tension mechanism for a loom shuttle having a threader block, a pair of ver-

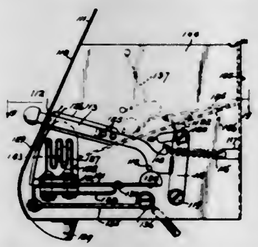
tically extending tension pads mounted on the block, a laterally extending finger on each pad effective due to momentum thereof tending when the shuttle is checked near the end of its flight to tend to cause angular movement of the pad, and a counterweight on each pad on the side thereof opposite the corresponding finger and movable relatively to the shuttle and counteracting the tendency of the corresponding finger to cause said angular movement.

2,545,935
NAVIGATIONAL INSTRUMENT
Louis Allen Warner, Chicago, Ill.
Application August 19, 1947, Serial No. 769,399
9 Claims. (Cl. 235—61)



1. A navigational instrument for measuring distances, directions and drift, comprising an elongated substantially rectangular transparent member adapted to be laid on a navigation chart so that the check-point on the chart may be seen therethrough, said transparent member having a length equal to several times its width, a plurality of distance measuring scales along the edges of said substantially rectangular member, a graduated substantially circular transparent compass card having a radius smaller than the width of said substantially rectangular elongated member, a pivot for said compass card substantially in the center of one of the long edges of said elongated member, a set of "drift left" angle lines on said rectangular transparent member extending at angles determined with respect to said long edge passing substantially through said pivot point, said set of "drift left" angle lines being on one side of said compass card and a corresponding set of "drift right" angle lines on the other side of said compass card, said "drift left" and "drift right" angle lines being adapted to be used with check-points on the aforesaid navigation chart.

2,545,936
CIGARETTE DISPENSER AND LIGHTER
Peter J. Zanardo, Chicago, Ill.
Application November 10, 1947, Serial No. 785,987
3 Claims. (Cl. 312—86)



3. In a cigarette dispenser and lighter, a perforate hopper, a notched lug carried thereby, an igniting element carried by said hopper contiguous to the perforation therein, cigarette delivery mechanism in said hopper, cigarette supporting means in said hopper contiguous to the perforate portion thereof and to said delivery mechanism, actuating means for said delivery mechanism associated with said hopper, said means including a lever extending along one face of said hopper normally in upwardly spaced relation to said igniting element, a spring yieldingly retaining said lever in its upward position, switch means operative by said lever to energize said igniting element, said lever in an altered operative position disposed directly opposite said igniting element, and a bimetallic piece carried by said lever engaging said lug notch in the altered position of said lever, said bimetallic piece when heated by said igniting element releasing said lever from said lug notch.

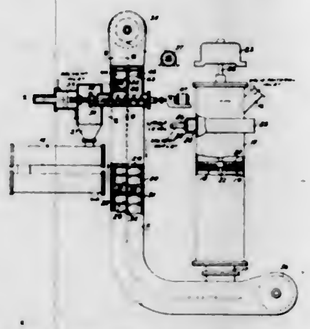
2,545,937
BOOM
Merwin Armstrong, Hinsdale, Ill.
Application November 8, 1947, Serial No. 784,813
5 Claims. (Cl. 212—144)



1. A device of the class described comprising a base member, a boom pivotally mounted at one end to the base member and projecting upwardly and outwardly therefrom, the boom comprising a lower stiff frame member, a continuous top chord connected at its outer end to the lower member and spaced above the lower member at its other end, and truss members connecting the lower member and the top chord, a cable attached at one end to the outer portion of the boom and extending backward throughout the length of the boom and terminating at its other end adjacent to the inner end of the top chord, the cable being supported throughout its entire length by the top chord, a second cable fixed at one end to the last mentioned terminating end of the first cable and secured at its other end to the base member.

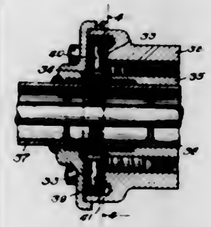
2,545,938
SOLVENT EXTRACTION APPARATUS
Charles W. Bilbe, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 5, 1945, Serial No. 592,190
2 Claims. (Cl. 23—270)

1. In a device for treating solids with liquid, an upwardly extending conduit having an inlet for solids and an outlet for liquids at a lower portion thereof, an elevating conveyer in said conduit for moving solids upwardly from said solids inlet, a fluid supply connection opening into an upper portion of said conduit, a pair of chests disposed on opposite sides of said conduit at an upper portion thereof, each said chest being connected with the interior of said conduit through a port for receiving solids and fluid from said conveyer, a restricted solids outlet opening through a wall of each said chest below the level of said ports, and fluid expressing compressed solids ejecting means in each said chest and below the level of said ports for ejecting com-



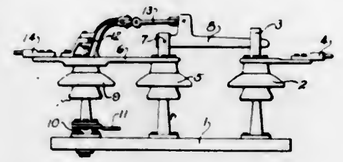
pressed solids through said restricted solids outlet openings.

2,545,939
ELECTRICALLY CONDUCTIVE REVOLVING JOINT
Victor W. Breitenstein, Chicago, Ill., assignor to Francis N. Bard
Application April 1, 1947, Serial No. 738,523
6 Claims. (Cl. 174—21)



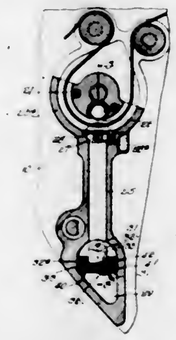
6. A revolving electrically conductive joint capable of uniformly transferring current during rotation at high speeds of revolution, including: a first generally cylindrical casing part, a second generally cylindrical casing part, one of the two parts having a readily removable portion for mechanically connecting the parts for relative rotation about the axis of the casing and a fluid passageway being provided therethrough; means providing a fluid tight seal between said parts; a metal ring mounted in the second of said parts concentric with said axis and in a plane perpendicular thereto; a plurality of brushes movably mounted in radial openings in said removable portion and adapted to make rubbing engagement with the periphery of said ring; spring means bearing against the brushes to urge them toward the ring; means limiting the action of the spring means, whereby the brushes remain in the openings when the parts are separated; two central conductor members lying along said axis, each being carried by and movably with one of the casing parts, one of said members having an axially movable end portion adjacent the end portion of the other member, one of said end portions being provided with a concavity and the other with a cooperating convex portion; and spring means for urging said end portions into engagement with each other.

2,545,940
ELECTRIC SWITCH
John R. Caldwell, Hampton, Ga., assignor to Southern States Equipment Corporation, a corporation of Georgia
Application August 26, 1948, Serial No. 46,260
6 Claims. (Cl. 200—48)



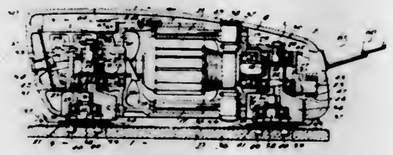
1. In an electric switch, a stationary insulator with a switch blade movably mounted thereon, a second insulator rotative about a fixed axis, a base holding the said insulators in spaced relation, said base being rigidly connected with the stationary insulator and pivotally connected with the rotative insulator, a crank member rigidly secured to the rotative insulator, one part of said crank member being one member of a pivotal bearing, a second member of said pivotal bearing being rigidly connected with said base closely adjacent to the top of said rotative insulator, together with a pin connecting said two pivotal bearing members, the said pin being coaxial with said rotative insulator.

2,545,941
ACTUATING APPARATUS FOR SOUND SYSTEMS
Percival H. Case, Lawrence, Mich., and Philip L. Karr and Henry J. Koeber, Jr., Chicago, Ill., assignors to Illinois Watch Case Co., a corporation of Illinois
Application June 21, 1948, Serial No. 34,194
7 Claims. (Cl. 250—42)



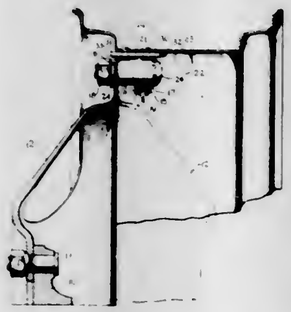
1. In a projector having sound reproducing means, apparatus for developing actuating waves, comprising: a straight, filamentary type radiant wave emitting member; a bracket having said member fixedly mounted thereon; a pair of oppositely biased spring clips on said bracket engaging said member adjacent opposite ends for maintaining said member straight despite changes in its length; and a housing adapted slidably to receive said bracket and member, said housing having electric terminals for energizing said wave emitting member.

2,545,942
PORTABLE RUBBING MACHINE
Stephen A. Crosby and Peter Zasadny, Chicago, Ill., assignors, by mesne assignments, to Porter-Cable Machine Company, Syracuse, N. Y., a corporation of New York
Application February 7, 1949, Serial No. 74,924
6 Claims. (Cl. 51—170)



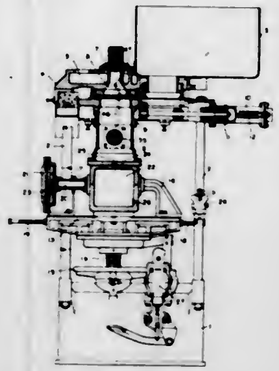
1. A portable rubbing machine comprising: a supporting frame, a horizontally disposed motor journalled in said frame and provided at its opposite ends with driving bevel gears, a pair of vertically disposed crank-members journalled in the frame and having bevel gears meshing with said driving gears so as to be driven in the same rotational direction by said motor, a driving head having its upper portions journalled in the lower portions of said crank-members for orbital movement with respect to said frame, and a housing embracing and secured to the supporting frame and forming a handle for the machine.

2,545,943
VARIABLE TREAD WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1945, Serial No. 632,655
4 Claims. (Cl. 301—11)



4. In combination, a disc wheel body having a radially extending peripheral portion provided with spaced securing holes each having a lateral eccentric extension, an annularly continuous rim and spaced attaching lugs corresponding in number and spacing to said holes and secured to the radially inner face of said rim, each of said lugs having a central axially extending looped portion forming a hole for receiving a securing bolt and merging through spaced generally radially extending portions with end portions seated on and secured to the rim, the axially extending looped portion having radial seats at its opposite ends to alternately receive the wheel body peripheral portion, and a securing bolt extending through the hole in said looped portion of the lug and the corresponding hole in the wheel body peripheral portion for clamping said wheel body portion alternately to either of said radial seats, the bolt having a lateral projection entering, in one of the alternate positions of the wheel body portion, between said spaced radially extending portions of the lug and, in the other of said alternate positions of the wheel body portion, into the lateral eccentric extension of the adjacent hole of the wheel body portion, whereby to prevent, in either alternate position of said wheel body portion, turning of the bolt when the said body portion is clamped in place.

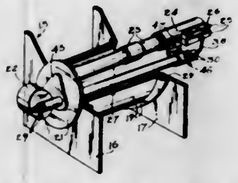
2,545,944
RESERVOIR EXHAUST FOR CORE BLOWING MACHINES
Robert W. Elms, Lakewood, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 26, 1948, Serial No. 35,413
9 Claims. (Cl. 22—10)



4. In a core blowing machine or the like, a blow head, a sand reservoir, a valve adapted quickly to exhaust high pressure air directly from a side of said reservoir, filter means disposed and arranged to prevent passage of sand from said reservoir through said valve, a small air vent in said blow head spaced from said reservoir, and a passageway leading from said vent and communicating with the reservoir side of said valve between said valve and filter means.

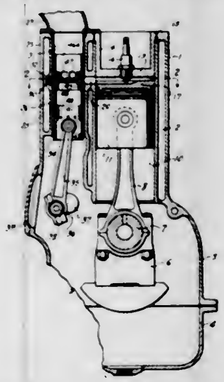
9. In a core blowing machine or the like, a sand reservoir, said reservoir having a large opening in the side thereof, a fine wire mesh screen across said opening adapted to prevent escape of sand therethrough, a valve seat member exteriorly of said screen and opening and having a central orifice of less diameter than said opening, radially disposed ribs on the inner side of said member, buttons on said member between said ribs, said ribs and buttons contacting and supporting said screen during passage of air therethrough, an annular groove in the outer side of said member surrounding such central orifice, a diaphragm disposed exteriorly of said member operative to seal such orifice from said groove, an outer cover for said diaphragm, means adapted to admit high pressure air to said cover during the core blowing operation to force said diaphragm to seal said orifice, and a laterally extending air exhaust passage in said valve seat member leading from said annular groove.

2,545,945
IGNITION ELECTRODE DEVICE FOR GAS BURNERS
William B. Ensign, New Rochelle, N. Y., and Otto Wildermann, River Edge, N. J.
Application December 3, 1948, Serial No. 63,266
8 Claims. (Cl. 175—115)



1. A sparking electrode for use with an oven having spaced walls with a tubular sleeve mounted in one of the walls and closed at its outer end by an oven plate and a gas burner extended eccentrically through the oven plate, comprising an elongated tube adapted to be mounted through the oven plate along side the gas burner, tubular insulators closing the ends of said tube, a rod of conductive material extended through said tubular insulators, said rod having its end at the outer end of said tube extended from the respective insulator for attachment to a conductor wire, a bracket adapted to be mounted on the burner for supporting the inner end of said tube, a cylindrical member mounted on the inner end of said rod within the inner insulator, a sparking tip having one end inserted into said cylindrical member and its other end adapted to be extended therefrom towards the burner, and means for holding the sparking tip in various longitudinal adjusted positions relative to said cylindrical member permitting the position of said tip with relation to the burner to be adjusted as the end thereof becomes burned away during use.

2,545,946
INTERNAL-COMBUSTION ENGINE
Oscar G. Erickson, Detroit, and Charles L. Erickson, Ferndale, Mich.
Application August 2, 1946, Serial No. 688,116
1 Claim. (Cl. 123—188)



In an internal combustion engine having a cylinder and a piston arranged to reciprocate in the cylinder, a valve cylinder positioned adjacent the engine cylinder, said valve cylinder being arranged to provide a chamber intermediate its ends and the engine having a passage leading from the chamber to the upper part of the engine cylinder, a liner sleeve positioned in the valve cylinder having ports therein which register with the chamber, manifold means for gas connecting into one end of the sleeve, a piston type valve positioned within the liner sleeve, means for reciprocating the same, said piston type valve having an intermediate head with skirts extending axially in opposite directions therefrom, the skirt on the manifold side of the head having ports therein arranged to be brought into and out of registry with the ports in the liner sleeve, said ports in the valve being located in immediate proximity to the head, rings on the piston valve positioned adjacent the head, other rings in the skirt of the piston valve which is positioned on the side of the head opposite the ports therein, the skirt on the manifold side of the head having such an axial extent that when the valve is in a position where the said ports in the valve and the said ports in the sleeve are in registry, the said skirt covers those surfaces of the sleeve between the ports of the sleeve and the said manifold means which are wiped during reciprocation of the piston valves by the rings adjacent the head of the piston valve.

2,545,947
ARTIFICIAL PNEUMATIC HAND
Jeanne Felip, New York, N. Y., and Angelo Biasi, Hazelton, Pa.
Application June 7, 1949, Serial No. 97,502
7 Claims. (Cl. 3—12)



5. In an artificial hand, the combination, with a generally flexible and elastically stretchable casing therefor, of a plurality of inter-articulated members including a metacarpal member, four fingers and a thumb the several parts being pivotally interconnected to simulate the structure of a human hand, three members representative of the three actual phalange bones of each such elongate finger and thumb, in the case of each finger and the thumb the two outer ones of said members being pivotally interconnected and the innermost one thereof being pivotally connected to said metacarpal member, resiliently acting means associated with each of such pivotal connections for normally urging said finger and thumb members to non-grasp dispositions relative to the palm side of said metacarpal member, and pneumatically actuated means operable at will for moving said finger and thumb members more and more as desired toward said metacarpal member for grasp-efficacious coaction therewith, the means last-named including a master bel-

lows, said metacarpal member being cavitated and said last-named means also including a plurality of minor bellows all in such cavitation and each operatively connected by an elongate flexible pull element to a plurality of the said members of a different one of the artificial fingers and thumb of the hand, said pull elements being present to a total of a pair thereof relative to each of the fingers and thumb and each of said pairs being arranged to be simultaneously pulled by the pneumatic means thereby simultaneously to move all three members of the associated finger or thumb toward said metacarpal member, in the case of each finger or thumb that one of the pull elements of the pair of said pull elements associated with a particular one of said fingers or thumb which is pulled to the greater extent being connected near one end to the outermost member of that finger or thumb and the other of said pair of pull elements being connected near one end to the middle member of that finger or thumb.

2,545,948
FLAME-RESISTANT ZINC ETHYLENE BIS-DITHIOCARBAMATE FUNGICIDAL POWDER
Albert L. Flenner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1948, Serial No. 51,297
3 Claims. (Cl. 167—22)

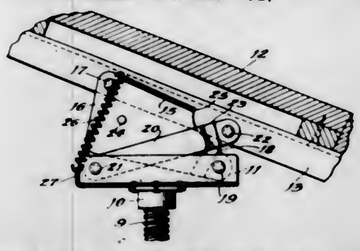
1. A flame-resistant, water-dispersible, fungicidal powder comprising zinc ethylene bis-dithiocarbamate in admixture with an amount of fuller's earth corresponding to at least about 20% by weight of the zinc ethylene bis-dithiocarbamate.

2,545,949
DESK ELEVATOR
Martin Fox, Chicago, Ill., assignor to The Seng Company
Application July 11, 1945, Serial No. 604,428
4 Claims. (Cl. 45—139)



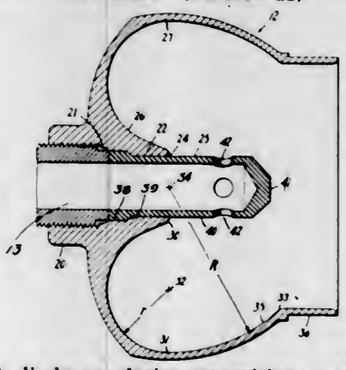
2. An elevator device for the purpose set forth, comprising: a long, low base block provided in its upper face at its end portions with short, spaced, inwardly and upwardly inclined faces; a long, low top-block provided in its lower face at its end portions with short, spaced, inwardly and downwardly inclined faces adapted to cooperate with the inclined faces of said base block and form opposed wedge-shaped openings; a rotatable shaft between said blocks provided with right and left screw threads; a pair of wedge members in the opposed wedge-shaped openings and threaded to said shaft; guide means disposed between said wedge members for maintaining the top-block and the base-block in registered superposed position; and a pair of springs tensioned on the top block and the base block between the wedge members to yieldingly resist separation of the blocks, said springs comprising the sole means preventing separation of the blocks when the device is lifted by gripping the top block.

2,545,950
SWIVEL CHAIR IRON
Martin Fox, Chicago, Ill., assignor to The Seng Company, a corporation of Illinois
Application December 6, 1946, Serial No. 714,371
2 Claims. (Cl. 155—71)



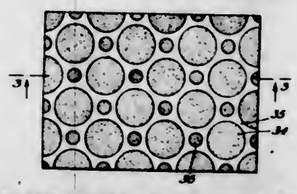
1. A chair iron for a tilting swivel chair, comprising: a swivel post adapted to fit into a supporting base; a head-piece fixed to said post; seat iron means adapted to be secured to the bottom of a tilting seat-member; an inverted U-shaped link pivotally connecting the rear portion of said head-piece to a front portion of said seat iron means; a pair of upwardly and rearwardly extending links pivotally connecting the front portion of the head-piece to a rear portion of the seat iron means; and spring means between the U-shaped link and said head-piece urging the front of said seat iron means downwardly.

2,545,951
DISCHARGING FIRE-EXTINGUISHING MEDIA
Carl W. Frese, New York, N. Y., and Thomas P. Scott, Caldwell, N. J., assignors to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application April 24, 1946, Serial No. 664,576
10 Claims. (Cl. 169—11)



1. A discharge device comprising a substantially bowl-shaped receptacle having inner and outer annular arcuate walls at the interior thereof, and a conduit extending into said receptacle having a plurality of circumferentially spaced apertures therein each adapted to direct a stream of medium under pressure radially outwardly against the outer wall of said receptacle, said outer wall having a contour adapted to first deflect the streams in opposite circumferential directions whereby portions of each stream impinge upon portions of adjacent streams and then to deflect the streams rearwardly with respect to said receptacle, said inner wall having a contour to thereafter direct the streams forwardly of said receptacle.

2,545,952
UNWOVEN FLEXIBLE FABRIC
Esther R. Goldman, Newark, N. J., assignor to Fibre Products Laboratories, Inc., New Brunswick, N. J., a corporation of New Jersey
Application October 18, 1946, Serial No. 704,009
11 Claims. (Cl. 154—46)



1. As an article of manufacture, a flexible fabric of unspun long fibers disposed in the form of a sheet, said fibers being spot bonded to impart to said sheet tensile strength in all directions by a multiplicity of essentially independent adjacent spaced spots of binder impregnating and cobonding the fibers of said sheet, said spots occupying a major proportion of the lateral extent of said sheet, being individually of the order of 0.004 to 0.06 square inch in area and being spaced apart by a distance of the order of 0.01 to 0.06 inch, the fibers of said sheet in the spaces between said spots being capable of flexure and affording over-all flexibility of said sheet.

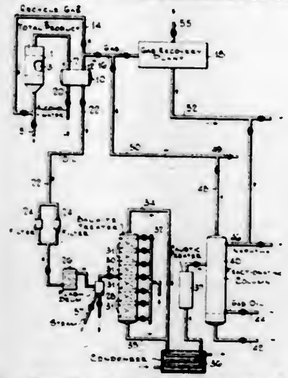
2,545,953
ROTARY HOIST
Carlyle Hall, Seattle, Wash.
Application October 25, 1946, Serial No. 705,707
3 Claims. (Cl. 214—1)



1. A device of the character described comprising a hoisting frame adapted for the support of an automobile thereon, clamping devices associated with the said frame for the temporary fixed securement of the automobile thereon, pivot shafts extended from the opposite ends of the said frame, hoists disposed at opposite ends of the frame, bearings supported by said hoists and containing the said pivot shafts therein for raising and lowering the frame by means of the hoists, means on one of the hoists for rotating the hoisting frame on its pivot shafts and for holding it against free rotation; said hoisting frame comprising opposite end members and opposite side members adjustably supported therefrom, and means connected with the end members and side members for effecting adjustment in lateral spacing of the said side members.

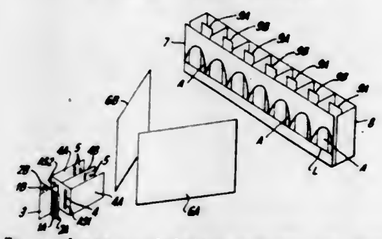
2,545,954
HYDROCARBON SYNTHESIS
William G. Hockberger, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1947, Serial No. 754,029
5 Claims. (Cl. 260—450)

1. In the process of bauxite treating in a treating zone synthetic hydrocarbon oils produced by the catalytic conversion of CO with H_2 in the presence of an iron base catalyst, the improvement which comprises contacting a mixture of gasoline and gas oil constituents of said synthetic



oil with bauxite at about 850° F., about 10 p. s. i. g. pressure and a throughput of about 1 v./v./hr. and on-stream periods of about 1 hour followed by catalyst regeneration periods.

2,545,955
MODULATION
Edward Goodman Hopkins, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application January 17, 1948, Serial No. 2,862
In Australia February 17, 1947
9 Claims. (Cl. 332—25)



6. In a phase modulation system for modulation of a carrier frequency voltage, means for producing two electron beams, means for independently varying the intensity of said beams in accordance with voltages of said carrier frequency in phase quadrature relationship, an apertured plate in the paths of said beams, the apertures therein being of substantially sinusoidal outline, and means for deflecting said beams across said apertures in dependence upon modulating potentials.

2,545,956
SUSPENSION DEVICE FOR VEHICLES
Maurice François Alexandre Julien, Toulouse, France
Application February 28, 1945, Serial No. 580,259
In France March 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1963
1 Claim. (Cl. 105—182)

In a railway truck, a main transverse member of U-shaped section, a bolster of T-shaped section having its web engaged between the sides of said transverse member, rubber pads interposed

between the bottom part of said web and said sides of the cross member, rubber pads interposed between the ends of the flanges of said bolster and the tops of said sides of the transverse member, the ends of said bolster and of said transverse member being correspondingly



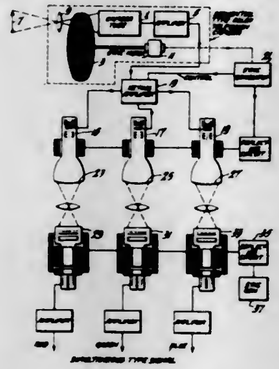
inclined upwardly and outwardly, and rubber pads inserted between these inclined portions of said bolster and said transverse member, respectively, all of said rubber pads being made adhesive to their adjoining bolster and transverse member surfaces.

2,545,957

COLOR TELEVISION PICKUP SYSTEM

Ray D. Kell, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 27, 1948, Serial No. 11,742
8 Claims. (Cl. 178—5.4)



1. A simultaneous type color television image pickup system comprising in combination a sequential type color television image pickup camera having a single image pickup tube, an optical device for projecting on said image pickup tube a single selected component color image at any one time and sequentially with other selected component color images, a television image reproducing equipment electrically connected to said camera for simultaneously reproducing all of said selected component color images, means including a separate television camera tube for each of said reproduced selected component color images to produce simultaneous type color television signals, and an optical system to project said reproduced component color images upon said separate television camera tubes.

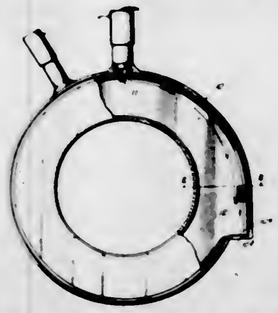
2,545,958

INDUCTION ACCELERATOR

Donald W. Kerst, Champaign, Ill., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill.

Application March 22, 1946, Serial No. 656,314
4 Claims. (Cl. 250—27.5)

1. A magnetic induction accelerator comprising a closed vessel having therein a deflecting member of material of high magnetic permeability, said member having a portion with a slot in the plane of the electron orbit and a portion in



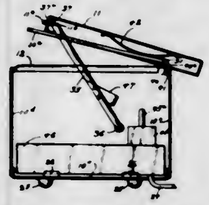
the same plane with a thickness of the same order as the depth of said slot, the slot in said member providing a space of greatly reduced field strength relative to adjacent areas.

2,545,959

RADIO APPARATUS CONSTRUCTION

David M. King, Chicago, Ill., assignor to Illinois Watch Case Co., a corporation of Illinois

Application September 3, 1947, Serial No. 771,947
9 Claims. (Cl. 250—14)



1. Apparatus of the character described, including: a container having a base portion, enclosed sides and an open top; radio apparatus in said container, said apparatus including a switch; a loop antenna connected to said radio apparatus, said antenna being foldable between operative and inoperative positions; a cover for closing said top to enclose said radio apparatus and antenna; a straight link member having one end movably connected to a side of said container and the other end movably connected to said cover adjacent the front thereof; a guide arrangement slidably connecting said cover to said container adjacent the rear thereof, said cover being movable from a front horizontal position to a rear vertical position to provide access to said radio apparatus, said antenna unfolding to operative position when said cover is moved to its rear vertical position; and actuating means for said switch moved by said link.

2,545,960

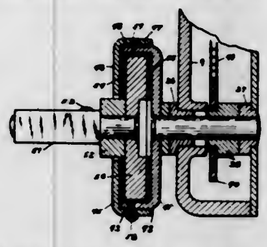
REEL DRIVE MECHANISM FOR MOTION-PICTURE PROJECTORS

John J. Kuehn, Chicago, Ill., assignor, by mesne assignments, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois

Application December 7, 1945, Serial No. 633,297
1 Claim. (Cl. 64—30)

A film reel drive mechanism of the character described, comprising: a drive shaft; a cup-shaped driving disc mounted on said shaft for

rotation therewith; a second cup-shaped driving disc mounted on said first mentioned disc, the flange portions of each disc having complementary threads for assembly of said discs into a housing of adjustable width, a driven disc within said housing, said driven disc being rotatable about the axis of rotation of said shaft and driving discs; annular members of frictional material on opposite sides of said driven disc frictionally coupling said driven disc to said driving



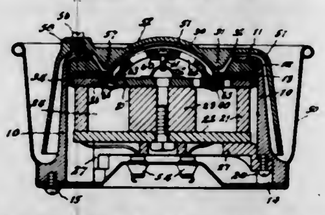
discs, said members of frictional material being saturated with a lubricant and said driven disc being of porous metal capable of retaining a lubricant; and a reel spindle having one end mounted on said driven disc for rotation with said driven disc about said axis, said spindle extending through said opening and being spaced from the walls of said opening to permit angular movement of the free end of said spindle to vary said frictional coupling as a function of the weight of a film spool on said spindle.

2,545,961

REFLEX TYPE LOUD-SPEAKER

Sidney E. Levy, Brooklyn, N. Y., assignor to University Loudspeakers, Inc., White Plains, N. Y., a corporation of New York

Application April 11, 1946, Serial No. 661,430
2 Claims. (Cl. 181—31)



1. In a reflex-type acoustic device suitable for marine use having a diaphragm, diaphragm driving means and a longitudinal casing around said driving means with the diaphragm disposed in and sealing one opening thereof, the combination of a bell with its base disposed over the diaphragm to form a sound chamber with a narrow annular exit near the edge of the diaphragm, said bell having a flaring skirt extending toward and around the casing, a second bell with its base closing the other opening in the casing opposite to that sealed by the diaphragm, terminals anchored in the base of said second bell and connected in the interior of the casing to the driving means, said second bell having a flaring skirt encompassing the flaring skirt of the first bell, said casing and bells being so spaced one from another and so proportioned as to form a narrow reversing annular passageway of gradually increasing cross-section and extending along its entire length in a direction outward from the axis of the diaphragm so that liquid will drain freely from the sound chamber and passageway.

2,545,962

HOMOSULFANILAMIDE SALT OF ASPERGILLIC ACID AND METHOD OF PREPARING SAME

William A. Lott, Maplewood, and Kathryn A. Losee, New Brunswick, N. J., and Max Adler, New York, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application April 22, 1947, Serial No. 743,204
3 Claims. (Cl. 260—250)

1. The homosulfanilamide salt of aspergillic acid.

2,545,963

PROCESS FOR PRODUCING ASPHALT COMPOSITIONS

Charles Mack, Sarina, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 2, 1948, Serial No. 63,191
5 Claims. (Cl. 196—22)

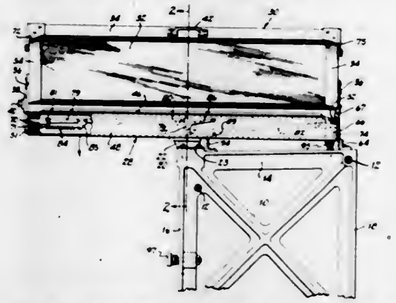
1. A process for improving the flow properties of asphalts which comprises reacting an asphalt with 0.5 to 5% by weight of a vinyl compound in the presence of an organic peroxide, the said peroxide being used in amounts of about 2%–5% by weight of the vinyl compound.

2,545,964

PHOTOGRAPHIC COPY BOARD

John D. Maxwell, Glen Head, N. Y., assignor to Powers Photo Engraving Company, Glen Cove, N. Y., a corporation of New York

Application May 7, 1949, Serial No. 92,029
3 Claims. (Cl. 88—24)



1. In a copyboard having a back, a frame hinged thereto and a transparent cover for the back, said back and frame being pivotally mounted for movement from a horizontal to a vertical position, the combination of locking means securing the frame to the back and means normally preventing unlocking of the locking means while the back and frame are in vertical position and means brought into contact with and moving the means preventing unlocking on movement of the frame to horizontal position for permitting unlocking in horizontal position.

2,545,965

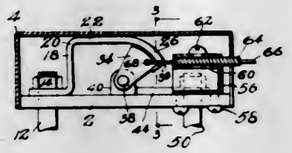
MASTER SWITCH

Aurel D. McCamon, Lisbon, Ohio, assignor to Opal J. McCamon, Lisbon, Ohio

Application February 6, 1947, Serial No. 726,769
2 Claims. (Cl. 200—161)

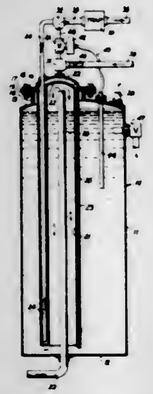
2. In a control switch for electrical circuits, the combination with an insulating base adapted

for mounting on a battery clamp-bolt, a movable contact of inverted U-shape having spaced legs pivoted on the base, an exterior arcuate friction face on the contact, a spring coacting with the contact for swinging the contact to open position, and manually operated means for swinging the contact to closed position, of an angular frame of conducting material mounted



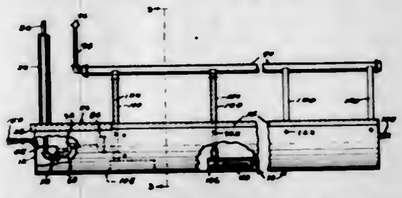
on the base and detachable means for clamping the frame on the clamp bolt to form a stationary contact, said stationary contact terminating in a resilient free end forming an inner arcuate friction face in the path of movement of the movable contact, and a depending flange on said end forming a stop for limiting closing movement of the movable contact.

2,545,966
LIQUID HEATER AND CONTROL
Roy M. McQuitty, St. Louis, Mo.
Application August 3, 1946, Serial No. 688,377
7 Claims. (Cl. 257—2)



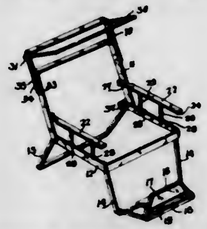
1. In a water heater of the type utilizing steam as a heating medium, a steam supply line, a steam tank supplied from said line, an inner tank within the steam tank forming therewith a restricted, quickly flooded space for steam surrounding the inner tank, a steam discharge line extending substantially the length of the steam space, a trap in the steam discharge line, the trap being located at a distinctly higher level than the steam space, a by-pass connection between the steam supply line and the steam discharge line ahead of said trap, a power valve in said by-pass and beyond the steam supply line, and means for actuating the valve toward open position to reduce the rate of flow from the steam supply line through the steam discharge line into the trap.

2,545,967
HOG WATERING TROUGH
Arthur A. Mickalek, Clear Lake, Iowa
Application January 6, 1949, Serial No. 69,487
1 Claim. (Cl. 219—38)



In a stock watering trough, the combination which comprises an elongated watering trough, semi-circular in cross section, a longitudinally disposed pipe providing a header spaced above the trough and positioned on the longitudinal center thereof, an electrical supply conduit in said header, a plurality of spaced individual housings in the lower part of the trough and also positioned on the longitudinal center thereof, spaced vertically disposed tubes connecting the said housings to the header above the trough, electric heating elements in each of said housings, electrical conduits connecting the said heating elements to the supply conduit in the header through the said vertically disposed tubes, and inwardly sloping standards extended from the upper edges of the sides of the trough to the said header for supporting the header from the trough, said standards being on opposite sides of the said vertically disposed tubes and positioned in planes extended through the said tubes and located transversely of the said trough whereby the said vertically disposed tubes are protected by the standards from stock watering at the trough.

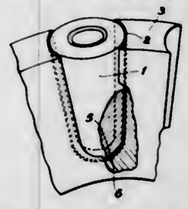
2,545,968
COLLAPSIBLE CHAIR HAVING FOLDABLE ARMRESTS
Ralph Newstead, New York, N. Y.
Application July 13, 1946, Serial No. 683,538
2 Claims. (Cl. 155—152)



1. In a collapsible chair, a seat member having spaced side arms, a back rest member having spaced side arms pivotally attached at their lower ends to the rear ends of the side arms of said seat member, spaced brackets extended laterally inward from the inner faces of the side arms of said seat member, parallel arm supports pivotally attached at one of their ends to said spaced brackets to be movable between positions extended vertically upwards from the side arms of said seat member or extended laterally inwards from the side arms of said seat member, arm rest members mounted on the free ends of said arm supports to be horizontal when said arm supports are extended vertically upwards from the side arms of said seat member, and

means for locking said arm supports in a position extended vertically upwards from the side arms of said seat member, said locking means comprising latches pivotally mounted on said arm supports and engageable over the top edges of the side arms of said seat member when the arm supports are extended vertically upwards.

2,545,969
TAPERED ROLLER BEARING
David McNicoll, Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 1, 1949, Serial No. 113,630
In Great Britain September 27, 1947
4 Claims. (Cl. 308—218)



1. A tapered roller bearing comprising tapered rollers located in tapered pockets of a cage, said rollers having small ends which are of spheroidal form, and the small ends of the pockets being formed as segments of hollow spheroids with a radius larger than the radius of the small ends of the rollers.

2,545,970
PILLOW CASE
Sidney S. Rand, New York, N. Y.
Application March 16, 1949, Serial No. 81,725
1 Claim. (Cl. 5—339)



In a pillow case having a pair of similar rectangular opposed sides and closed at two opposed edges and at one end, and open at the other end to receive a pillow, the improvement comprising pocket means within the interior of the pillow case extending across the entire open end, said pocket means opening towards the closed end of the pillow case, stitching parallel to said open end and defining the bottom of said pocket means, said pocket means being adapted to receive the end of a pillow housed within the pillow case, a wide hem structure being provided between said stitching and the open end of the pillow case whereby the external aspect of the pillow case has a normal appearance while said pocket means may anchor the pillow end and conceal it from view from the open end of the pillow case.

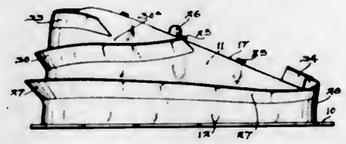
2,545,971
NECKTIE
Ernestine Rinehart, New York, N. Y.
Application August 4, 1950, Serial No. 177,623
6 Claims. (Cl. 2—146)

1. A necktie having front and rear sections, each having front and rear faces, the front face of the front section and the rear face of the rear section being arranged to face in the same direction when the tie is lying flat so that both front faces face in the same direction when the tie is folded along a transverse median line, the tie being formed from an elongated blank having a narrowed central section and a fold line extending from end to end of said blank in a direction which is generally diagonal to a median line dis-



posed longitudinally of such blank and which intersects such line at a point adjacent the transverse median line, and a shorter longitudinal fold line at each end of the blank on opposite sides thereof extending into the central section of the blank, such shorter fold lines defining rear flaps on one side of each section, the longer longitudinal fold line defining flaps on the opposite side of each section.

2,545,972
COASTER TOY
Frederick J. Scharkopf, Valley Stream, N. Y.
Application September 24, 1947, Serial No. 775,795
1 Claim. (Cl. 46—43)



A toy having an incline, a ramp extending back and forth around the incline, said incline having a slot, an endless chain having a run disposed adjacent the slot and provided with projections extending through the slot, ball raising stops on said chain which extend through said slot, an auxiliary ramp having communication with said ramp, and a switch member pivoted between said auxiliary ramp and said first named ramp to cause balls rolling down the first named ramp to roll into said auxiliary ramp at the will of the operator.

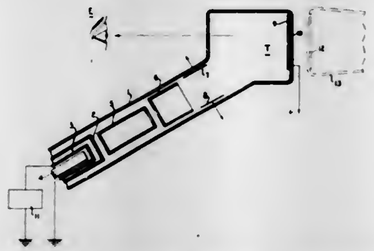
2,545,973
SUPPORTING MEMBER FOR PULL CHAIN SWITCHES
Benjamin Schoenberg, Corona, N. Y.
Application April 17, 1948, Serial No. 21,597
2 Claims. (Cl. 248—343)



2. A supporting member comprising a body having a ring at one end with internal threads, a smaller ring at the other end with internal threads, said rings being substantially parallel, a bridge connecting said rings at the edges, a laterally extending bracket on said body, the bracket having a leg with an opening the axis of which intersects the axis of said rings, said opening receiving the neck of a switch casing with a tubular outlet having its outer end sub-

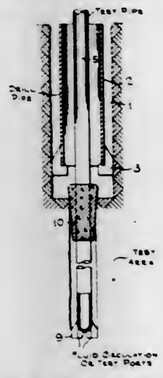
stantially in line with the middle of the opening of the last-named ring, said smaller ring at the other end having a slotted projection and said bracket having a second leg at an angle to the first with arms to engage said projection, and a screw in said slot to hold the bracket in adjusted position.

2,545,974
COLOR TELEVISION TUBE
Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 11, 1946, Serial No. 675,861
6 Claims. (Cl. 178—5.4)



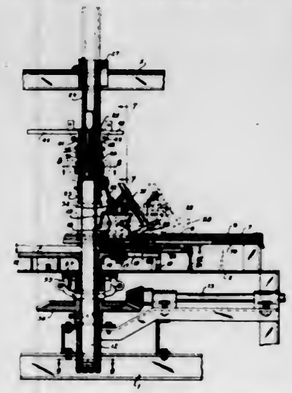
1. A color television device comprising, a cathode ray beam tube having an alkali halide target, and a cathode ray beam gun, field producing means for scanning the beam of said gun over one surface of said target to produce dark traces at said surface, a transparent positive potential electrode on the other surface of the target, means connected to said cathode ray beam gun for interrupting the beam a predetermined constant frequency during one scansion of the beam over the target and at a different constant frequency during each of a predetermined number of successive scansions and a source of polychromatic light positioned to pass light through the target.

2,545,975
TESTING SUBTERRANEAN FORMATIONS
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 6, 1947, Serial No. 766,834
4 Claims. (Cl. 255—1.4)



1. A method for testing a subterranean formation for its fluid content which comprises drilling a borehole substantially to said formation with a drill stem having a drill bit with an enlarged central opening, inserting into said drill stem a smaller drill stem capable of passing through said opening, both of said drill stems extending to the earth's surface, drilling a rat hole into said formation with said smaller drill stem while maintaining circulation of drilling fluid in said larger drill stem and in the bore hole, sealing off said rat hole from the bore hole while continuing said circulation of drilling fluid in said bore hole, exposing the sealed off portion of said rat hole to reduced pressure and collecting through said smaller drill stem fluid secreted by the formation exposed by said rat hole, while continuing the circulation of drilling fluid in said bore hole and in said first named drill stem.

2,545,976
MACHINE FOR FLARING OR BENDING OR SPINNING THE EDGES OF OPENINGS IN SHEETS OF STIFF MATERIAL
Chesley T. Small, Memphis, Tenn., assignor to Memphis Metal Manufacturing Co., Inc., Memphis, Tenn., a corporation of Tennessee
Application January 9, 1946, Serial No. 640,068
17 Claims. (Cl. 153—27)



1. In apparatus for flaring the part of a sheet of metal surrounding a circular opening in said sheet, a drive shaft coaxial with said opening, a flaring element engageable with the edge of the metal defining said opening, means supporting said flaring element for revolution by the shaft, mechanism actuated by said shaft for applying force to said element to move it radially with respect to the shaft, said mechanism including a friction drive providing for variation in the ratio between revolutions of the flaring element about the shaft and the movement of the flaring element radially of the shaft, said variation being determined by the resistance of the metal to flaring.

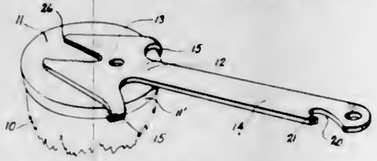
2,545,977
FLAME RESISTANT RUBBER COMPOSITIONS CONTAINING A CHLORINATED WAX AND A METAL CARBONATE
Winthrope C. Smith, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 13, 1946, Serial No. 683,416
11 Claims. (Cl. 260—28.5)

1. A composition of matter comprising an inherently combustible, chlorine-free rubbery material chosen from the group consisting of natural rubber, isobutylene-diolefin low temperature copolymers, emulsion homopolymers of conjugated diolefins and emulsion copolymers of mixtures of conjugated diolefins with copolymerizable materials containing a single $>C{=}CH_2$ linkage and from 15 to 60 parts per 100 parts of pure gum rubbery material of a chlorinated paraffin hydrocarbon having 2 to 3 carbon atoms per molecule and containing from 80 to 95% of combined chlorine based upon the paraffin hydrocarbon and a metal carbonate which decomposes at 200–300° C.

2,545,978
$\Delta^{8,9}$-11-KETO-STEROIDS AND METHOD OF PRODUCING THEM
Homer E. Stavely, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application February 10, 1945, Serial No. 577,337
9 Claims. (Cl. 260—397.1)

8. A lower-alkyl ester of a $\Delta^{8,9}$-3-acetoxy-11-keto-cholenic acid.

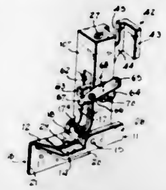
2,545,979
FULCRUM TYPE CLOSURE REMOVER
Tamino W. Tregear, Seattle, Wash.
Application August 10, 1946, Serial No. 689,710
1 Claim. (Cl. 81—3.46)



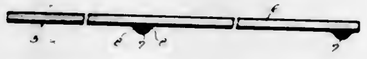
A tool for the lifting of flat, peripherally flanged covers from containers; said tool comprising a flat head portion adapted to be placed flatly against the top surface of the cover which is to be lifted, a handle rigidly associated with the said head portion and extending in the plane thereof from its base edge; said head portion having hooks extending downwardly and then inwardly from the base edge thereof at distances substantially and equally spaced from and at opposite sides of the handle, and adapted to be engaged with the bottom edge of the flange of the cover, and said head portion having fulcrum points at the inner edge thereof relatively close to and at opposite sides of the line of the handle to bear against the top during a cover lifting operation.

2,545,980
EDGE STITCHING PRESSER FOOT FOR SEWING MACHINES
Frank Vanadia and Carmen Rosetto, New York, N. Y.
Application May 5, 1949, Serial No. 91,452
12 Claims. (Cl. 112—235)

12. A sewing machine presser foot comprising a presser foot shank, an elongate presser foot pivotally mounted near its rear end on said shank near the lower end thereof, such mounting including a horizontal pivot pin extended at right angles to the length of the presser foot said presser foot being bifurcated along its forward portion to provide a pair of forwardly extending presser fingers separated by an intervening slit, the presser foot having an aperture therethrough in vertical alignment with the path of up and down travel of the needle of the sewing machine, said aperture at its location constituting a localized widening of said slit, and a uniplanar vertically disposed gauge plate slidable on said shank and extended forwardly into and along said slit to narrow the same, said gauge plate having a generally up and down extending slot through which said pivot pin extends, whereby said plate is free to be bodily movable in an up and down direction relative to said pin, said shank being cavitated, and there being a downwardly thrusting spring means in such cavitation, said shank also being slotted, and said plate having a tail portion extended into said slot, said spring means for imparting a downward thrust effective on said tail portion, said cavitation being a well-like chamber extending lengthwise of said shank, and there being in said chamber a plunger upon the lower end of which said gauge plate is mounted, said spring being an expansile coil spring directly acting downwardly on said plunger, there being a member for reacting against the upper end of said spring and for adjusting its tension, said member being a screw threadedly entered into the top of said shank, and means for holding said gauge plate in a raised inoperative position with relation to said presser foot, said holding means comprising a block forming part of said plunger and to which said gauge plate is attached, a projection extending from said block beyond the front face of said shank, a locking lever pivotally mounted on said shank and having a lip underlying the projection, and means for holding said locking lever in a pivoted position in which the block and attached gauge plate will be in a raised inoperative position, said holding means comprising a spring pressed ball mounted on said shank for engaging a complementary recess formed in said locking lever.

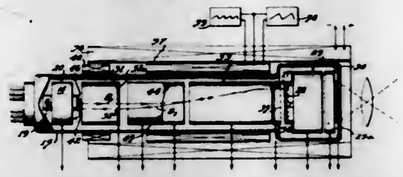


2,545,981
REINFORCED PLASTIC SHEET
Harold Warp, Chicago, Ill., assignor to Flex-O-Glass, Inc., a corporation of Illinois
Application December 3, 1945, Serial No. 632,538
7 Claims. (Cl. 18—56)



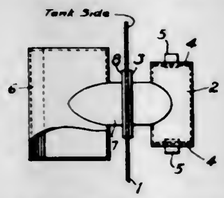
1. An article of manufacture comprising a flexible sheet composed of one of the plastics having a thickness in the range .002 to .005 of an inch, a plurality of parallel, continuous beads formed on one side of the sheet from the same material as the sheet, said beads being spaced apart approximately one inch and each having a thickness of approximately .02 of an inch and a width twice the thickness, and a plurality of similar beads formed on the opposite side of the sheet and extending substantially at right angles to the first mentioned beads.

2,545,982
TELEVISION PICKUP TUBE
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 20, 1947, Serial No. 792,944
15 Claims. (Cl. 250—153)



6. A signal generating device comprising an envelope, a target electrode mounted within said envelope, a source of electron emission within said envelope, means for directing said emission as a beam along a normal path to and from said target electrode, an electrode within said envelope for collecting electrons of said beam reflected from said target, and a second electrode within said envelope for collecting beam electrons scattered from the surface of said target.

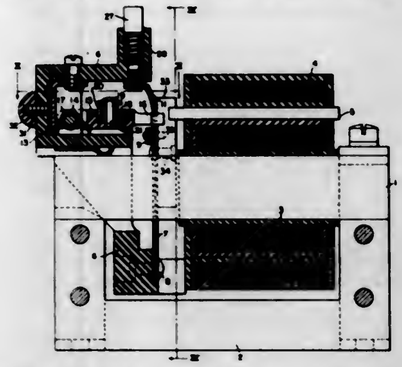
2,545,983
FIRE FOAM APPLICATOR
Edwin R. Wilkinson and Thomas H. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 9, 1948, Serial No. 19,918
7 Claims. (Cl. 169—4)



1. A fire foam applicator comprising in combination, a first tubular member having closed ends and being provided with a slotted portion extending along the said member parallel to its longitudinal axis, a second tubular member having closed ends, inlet openings centrally disposed in each of the closed ends of the said second tubular member, a third tubular member joining to and providing a fluid passageway between said first and second tubular members, said first and second tubular members being positioned substantially parallel to each other and substantially perpendicular to the said third tubular member with reference to the longitudinal axis of the said members.

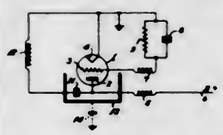
2,545,984
PROTECTIVE RELAY FOR ALTERNATING CURRENT
George C. Armstrong, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1949, Serial No. 94,977
9 Claims. (Cl. 200—88)

1. A protective relay for three-phase circuits, comprising a magnetizable main core, two coils of which one surrounds the other on said main core for connection in two respective circuit phases, an auxiliary magnetizable core disposed between said two coils, releasable contact means, a thermo-deflective member inductively coupled with said main core to be heated by current induced by said coils, said member being engageable with said contact means for releasing said



contact means in response to given circuit conditions, and a magnetizable armature inductively associated with said auxiliary core and engageable with said contact means for releasing said contact means in response to another given circuit condition.

2,545,985
HIGH-FREQUENCY OSCILLATOR
Robert M. Baker, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 774,912
2 Claims. (Cl. 250—36)



1. In a high frequency electronic generator, an electrical discharge tube having an anode, control electrode and grounded cathode, a control electrode circuit between said control electrode and said cathode, a direct-current voltage source connected to supply current between said anode and said cathode, a conducting shield interposed in the electric field between said anode and ground, an inductor connecting said shield to ground, and a blocking capacitor connecting said anode to said shield.

2,545,986
AUXILIARY CONTACT DEVICE FOR ELECTRIC CONTACTORS
Robert T. Basnett, Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1949, Serial No. 130,999
11 Claims. (Cl. 200—165)

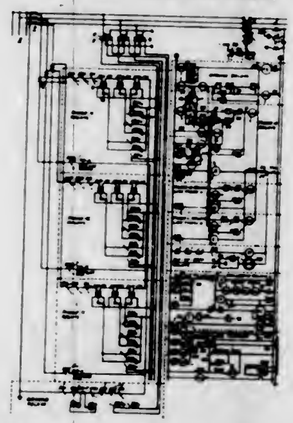
1. An auxiliary contact device for electric contactors, comprising an insulating structure, stationary contact means mounted on said structure, a plunger axially displaceable relative to said structure, a movable contact member disposed on said plunger and engageable with said stationary contact means, a first spring disposed between

said structure and said plunger to bias said plunger in the disengaging direction of said member, a positioning member disposed on said plunger and angularly displaceable and slidable relative to said plunger, said two members being spaced from each other in the axial direction of said plunger, a second spring disposed on said plunger and engaging said positioning member to bias it away from said contact member, said structure having two stop faces angularly and



axially displaced from each other relative to said plunger and selectively engageable by said positioning member dependent upon its selected angular position, said contact member being normally disengaged from said stationary contact means due to the bias of said first spring when said positioning member engages one of said faces, and said contact member being normally in engagement with said contact means due to the bias of said second spring when said positioning member engages said other face.

2,545,987
PROTECTIVE RELAY FOR TRANSMISSION LINES
John L. Blackburn, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1947, Serial No. 730,683
21 Claims. (Cl. 175—294)



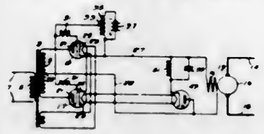
1. A protective relaying system for controlling the circuit-interrupting means at the terminals of a line-section of a three-phase transmission-line, comprising: first-zone distance-and-direction-responsive relaying-means, at a given relaying-terminal, for quickly causing a circuit-interrupter opening-operation in selective response to in-looking faults less remote than the remote terminal of the protected line-section; second-zone distance-responsive relaying-means, at said given relaying-terminal, for quickly responding to faults reaching out to points beyond the remote terminal of the protected line-section; signal-controlling distance-and-direction-responsive relaying-means, responsive selectively to still another fault-range, for transmitting a signal to another terminal of the protected line-section; signal-controlled interrupter-controlling means for quickly causing a circuit-interrupter opening-operation in joint response to the second-zone relaying-means at the given relaying-terminal and the receipt of a signal from another terminal of the protected line-section; back-up time-delayed interrupter-controlling means for causing delayed circuit-interrupter opening-operations in response to faults outside of the protected line-section; and reclosing-means for causing an immediate reclosing-operation of the opened circuit-interrupting means; and means selectively responsive only to an energization of said signal-controlled interrupter-controlling means for making said reclosing-means effective.

2,545,988
LIQUID DISPENSER
Arthur L. Bobrick, Los Angeles, Calif., assignor to Bobrick Manufacturing Corporation, Los Angeles, Calif.
Application October 10, 1947, Serial No. 779,177
7 Claims. (Cl. 222—341)



1. A liquid dispenser including: a liquid container: a base to which said container is secured and having a laterally projecting tubular portion; a tubular member extending from the tubular portion of the base toward the bottom of the container; a pump barrel connected to the lower end of said tubular member; a hollow piston mounted in said pump barrel; check valves mounted in said pump barrel and tubular piston; a tubular operating plunger secured in the laterally projecting tubular portion of the base for sliding movement therein, releasable means effective to limit the outward movement of the plunger; a flexible tube forming an extension of the plunger and push fitted at its lower end into the piston; and a spring arranged under tension between the bottom of the pump barrel and the piston therein, the arrangement being such that by releasing the means limiting outward movement of the plunger, the latter together with the flexible tubular extension may be withdrawn from the dispenser for cleaning.

2,545,989
ELECTRONIC CONTROL
Stephen L. Burgwin, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,945
2 Claims. (Cl. 318—356)



1. Apparatus for controlling the speed of a rotary electric machine having a field winding

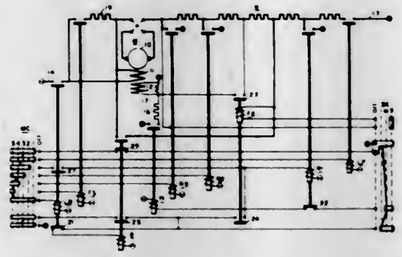
to be energized from an alternating voltage supply source, comprising electric valve means of the arc-like type connected in circuit with said field winding and source to supply unidirectional current from said source through said field winding, control means connected to said valve means to vary the instant in a half-period of the supply voltage at which the valve means becomes conductive and thereby vary the speed of the machine, an energy storage device, circuit means including a rectifier connecting said storage device in parallel circuit relation with the field winding, the rectifier being effective to conduct current only in a direction opposite to that which tends to flow by application of the supply voltage to supply the storage device with energy previously stored in the field winding upon a predetermined reduction in the applied field winding voltage to cause the valve means to become non-conductive, and impedance means connected in shunt with said storage device to limit the maximum voltage across said field winding while the valve means is non-conductive and to provide a path for dissipation of energy in said storage device.

2,545,990

CONTROL SYSTEM

Charles James Caldbeck, Bradford, England, assignor to The English Electric Company Limited, London, England, a British company

Application August 31, 1948, Serial No. 47,002
In Great Britain October 7, 1947
7 Claims. (Cl. 318—381)



1. In a control system, in combination, a motor having an armature winding, a series field winding and an additional field winding, power conductors, switching means for connecting the armature winding and the series field winding to the power conductors, resistance means for controlling the motor current, additional switching means for connecting the resistance means across the armature winding for dynamic braking, a switch for connecting the additional field winding to the power conductors during one part of the dynamic braking cycle, and additional switches for connecting the additional field winding to the power conductors through said resistance means connected in the dynamic braking circuit during another part of the dynamic braking cycle.

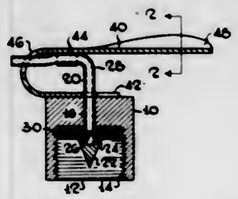
2,545,991

SPRAY HEAD FOR FLUID RECEPTACLES

Lyle M. Cooper, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 6, 1945, Serial No. 597,767
1 Claim. (Cl. 299—150)

A dispensing closure cap for a fluid container nozzle, and valve means therefor, comprising a cup-shaped, interiorly threaded cap body adapted for engagement over an exteriorly threaded container nozzle, a thickened top portion on said cap, a tubular passageway extended concentrically through said top portion opening at one end interiorly of said cap, a disc seal of a resilient compressible material interiorly of said cap seating against said top portion and adapted to provide a fluid and pressure tight seal between said cap and nozzle when the cap is applied thereto, a passageway through said disc seal concentric with that in said cap top portion, a dispensing tube, having an inner end portion slidably extended through the passageways in said cap top portion and disc seal, in closely fitted relation to the latter and terminating within said cap in spaced relation beyond said disc, and an outer end portion in substantially right angular relation to said inner end portion and extended radially beyond the cap, a closure element for the inner end of said tube, including a seal perforating extension thereof, said element extending radially beyond the tube end, forming a shouldered portion seatable against said disc



peripherally of the passageway therethrough, at least one inlet port opening through the tube wall in spaced relation to said closure element and normally disposed within the passageway through said disc seal, and a J-shaped tension spring element affixed by its shorter leg portion to the outer surface of said cap top portion and by the longer leg portion attached to the outer end portion of said tube, the outer end portion extending outwardly through a slot in the base between said spring element end portions, said spring element being held under slight compression between said cap and tube outer end portion, whereby tension of the spring element tends to withdraw the tube inner end portion through said passageways to engage the closure element shouldered portion against said disc, compressing the disc to seal the inlet ports in said tube and sealing the tube end therein, said spring element being compressible to extend the tube slidably through said cap and seal passageways, relieving the sealing relationship between said closure, seal, and tube, and exposing the inlet ports beyond said seal.

2,545,992

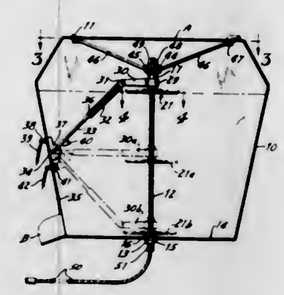
LEVEL INDICATOR FOR SEED HOPPERS

Thomas Dedio, Thorsby, Alberta, Canada

Application March 11, 1950, Serial No. 149,109
5 Claims. (Cl. 177—311)

1. In combination with a hopper of the kind described, a vertical spirally-twisted shaft, a cylindrical glider embracing said shaft, the glider having a closed top provided with an aperture conforming to the twists of the shaft, a fan axially affixed to the lower portion of the glider, a loose collar on said glider, a shank extending radially from said collar, a tubular arm at one end pivotally affixed to the outer end of the shaft, a rod at one end pivotally affixed to the inner wall of the

hopper and extending at the other end into said arm in a sliding telescopic relation thereto, wiring for an electric circuit, said circuit including



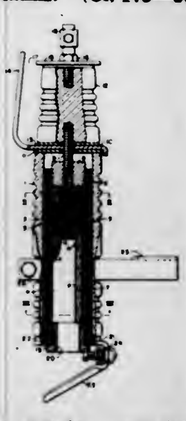
electrically operated signal means, means on the rod to close the circuit to operate said signal means, and means connected to the shaft to impart to it a rotary movement about its axis.

2,545,993

LIGHTNING ARRESTER

Tom L. Dyer, Jr., Washington, D. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 21, 1949, Serial No. 71,785
3 Claims. (Cl. 175—30)



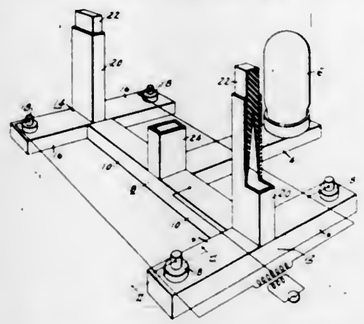
1. A lightning arrester comprising a tubular structure of insulating material, a cylindrical member fitting tightly for its entire length within said tubular structure, said cylindrical member being made of an insulating material capable of evolving gas when exposed to an electric arc and having a narrow longitudinal slot of uniform width passing through the axis of the cylindrical member, said slot being closed at the upper end of the cylindrical member and extending to the bottom of the cylindrical member, a first electrode member disposed at one side of the upper part of the cylindrical member, said first electrode member extending a substantial distance down into the upper part of said slot, and a second electrode member disposed in the slot on the opposite side of the cylindrical member so as to be spaced from the first electrode member transversely of the cylindrical member, said second electrode member extending continuously from top to bottom of the slot.

2,545,994

AMPLITUDE MODULATION OF MICROWAVES

Raymond T. Gabler, Inglewood, Calif., and William Altar, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 6, 1948, Serial No. 13,473
9 Claims. (Cl. 332—56)



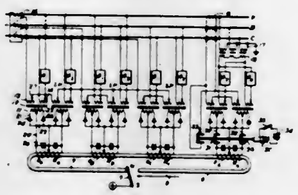
1. In combination, a first magic tee having four branches, a source of oscillations connected to a first of said branches, a second magic tee connected to a second of said branches and a third magic tee connected to a third of said branches, said second magic tee being one-quarter wave length further from the junction of said first magic tee than is said third magic tee, said second and said third magic tees having variable impedances on two of their branches and a non-reflective load on a third branch of said second and said third magic tees, a fourth branch connected to said first magic tee containing a load for deriving the net energy produced therefrom.

2,545,995

POLARIZED PROTECTIVE RELAY

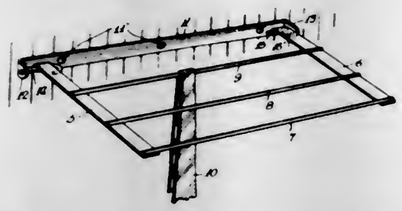
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 30, 1947, Serial No. 794,659
19 Claims. (Cl. 175—294)



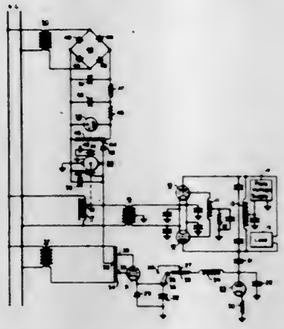
3. A directionally responsive relaying assembly adapted for use on an alternating-current line and comprising means for producing a pair of diverse line-derived single-phase relaying quantities, one of said diverse single-phase relaying quantities being the vectorial sum, and the other being the vectorial difference, of a line-voltage response and a line-current response, the magnitudes of the two line-voltage-response parts of said pair of single-phase relaying quantities being approximately the same for said pair, and relay-means for responding to said single-phase relaying quantities.

2,545,996
RACK
James Joseph Graham, Wallingford, Conn., assignor to H. L. Judd Company, Wallingford, Conn., a corporation of Delaware
Application November 20, 1947, Serial No. 787,222
5 Claims. (Cl. 211—104)



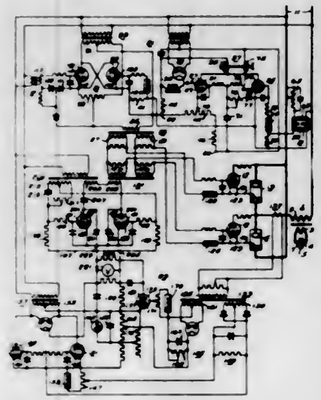
2. In a device of the character indicated, a bracket including a longitudinally extending strap with out-turned ends, a J-shaped pin on one of said ends with the straight end of the shank of the J supported by said bracket end, a straight pin supported by the other end of said bracket on an axis substantially common to the axis of the shank of said J-shaped pin, and rack means including hinge-plate means to embrace said shank and to embrace said straight pin, said rack and said bracket being relatively slidable along said common axis, whereby said rack and said bracket may freely hingedly pivot in a first relative axial position of said rack and said bracket, and further whereby said rack may be firmly supported by said bracket in an extended position in a second relative axial position of said rack and said bracket with said rack in engagement with the crook of said J-shaped pin.

2,545,997
RADIO APPARATUS
Richard H. Hagopian, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1948, Serial No. 64,013
18 Claims. (Cl. 250—36)



1. A voltage stabilizing system for a radio frequency generator, comprising means for varying the voltage of the radio frequency output current of the generator; a reversible motor for adjusting said voltage varying means; means for rectifying radio frequency current from the generator; means utilizing variations in the rectified current for providing a direct current which varies conformably therewith; a direct current source of constant voltage, and means conducting said first mentioned direct current and conducting current from said direct current source in opposite polarity to said motor for energizing same to rotate in one direction when said first mentioned direct current is greater than the current from said direct current source, and for energizing said motor to rotate in the opposite direction when said first mentioned direct current is smaller than the current from said direct current source.

2,545,998
WELDING CURRENT REGULATOR
Edward C. Hartwig, Towanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1948, Serial No. 25,932
21 Claims. (Cl. 315—246)



1. Apparatus for supplying a load intermittently from a source comprising, in combination, coupling means to be applied to said load for deriving power only when said load is supplied, first means connected to said coupling for deriving a first potential of substantially constant magnitude, second means connected to said coupling for deriving a second potential which is proportional to load current and third means to be connected between said first and second means and said load, for controlling the current flow through said load in accordance with the relationship between said first and second potentials.

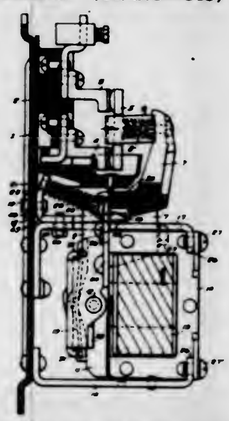
2,545,999
INTERNAL-COMBUSTION PERCUSSIVE TOOL
Charles A. Hirschberg, Mountain Lakes, N. J.
Application July 21, 1948, Serial No. 39,902
13 Claims. (Cl. 123—7)

2. A power hammer comprising a working cylinder, a crank shaft journalled across the mid-portion of said cylinder, a power piston operating in said cylinder and arched in its mid-portion about said crank shaft, a compressor piston operating in said power piston and connected with said crank shaft and cooperative means on said working cylinder, power piston and compressor piston for effecting intake and compression of air between said pistons and transfer of air so compressed between the pistons into the working cylinder above the power piston, the crank containing portion of said working cylinder and the arched mid-portion of



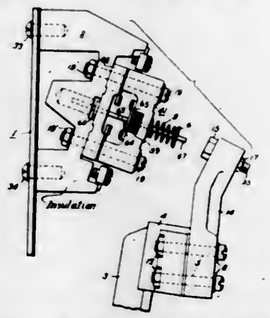
said power piston having slidingly engaging keying elements.

2,546,000
ELECTROMAGNETIC ACTUATOR
Ralph B. Immel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1948, Serial No. 1,592
6 Claims. (Cl. 175—345)



1. In a contactor, the combination of a base having a front surface, an electromagnet, a fastening bracket rigidly connecting said magnet to said base and having a bracket portion extending at a substantially right angle away from said base surface, a bearing structure having a spring abutment near said base surface and having a portion facing said bracket portion, said bearing structure having a pivot edge parallel to and spaced from said base surface and facing said surface, an assembly having a rigid portion engaging said edge to be angularly movable between two positions about said edge, a compression spring engaging said assembly and said spring abutment for biasing said assembly toward said edge and toward one of said positions, said assembly having an armature adjacent said magnet for moving said assembly to said other position under control by said magnet, said bearing structure being displaceable along said bracket portion toward and away from said base, and fastening means for rigidly securing said bearing structure in a selected position.

2,546,001
AUXILIARY CONTACT ASSEMBLY
Ralph B. Immel, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1948, Serial No. 54,098
19 Claims. (Cl. 200—166)



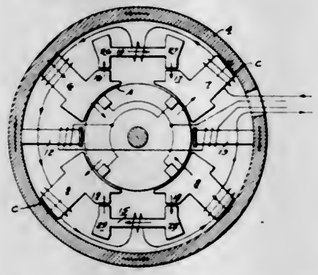
1. In an electrical interlock, in combination, a base, a support of insulating material mounted on the base, a U-shaped member disposed with its outer bottom of the U against the support, a second U-shaped member having its legs disposed in aligned relation to the first U-shaped member, contact strips between the aligned legs ending in contact buttons in the region between the legs, said U-shaped members being provided with aligned openings in the bights of each U, a rigid strap mounted loosely but non-rotatably in said opening so that said strap may be moved longitudinally, said strap being provided with projecting stops, a contact button bridging bar mounted on the strap, spring means mounted on the strap between the inner bight of the second U-shaped member and said bar to bias said bar against said projecting stops, spring retaining means near the outer end of the strap, and spring means disposed on the strap between said spring retaining means and the outer surface of the bight of the second U-shaped member for biasing said strap to its outer, or most forward, position to thus hold said bar remote from the contact buttons.

2,546,002
GLASS JEWEL BEARING
Ulrich Jelinek, Springfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1944, Serial No. 519,172
9 Claims. (Cl. 308—159)



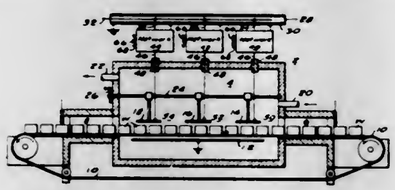
2. In a bearing assembly, a jewel holder having a recess providing a seat opposite the mouth of the recess, said jewel holder having an opening communicating with said recess, and a jewel member positioned in said recess, said jewel member and said jewel holder having engaging surfaces intimately bonded to each other.

2,546,003
CURRENT LIMIT GENERATOR
Albert W. Kimball, Buffalo, N. Y., and Martin H. Fisher, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 11,908
16 Claims. (Cl. 171—227)



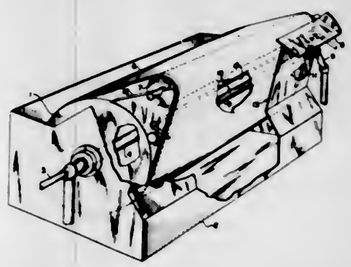
1. In a direct-current generator, in combination, a magnetic frame, a plurality of pairs of poles on the frame, a magnetic shunt having a lesser transverse sectional area than the poles disposed to shunt the magnetic flux of alternate pairs of poles of opposite polarity, an armature and windings on said armature field windings on the poles for producing a flux through said armature in one sense, coils connected in series with the field windings disposed on the shunts wound to produce a flux through said armature in an opposite sense, means for exciting said field windings and coils with a current that varies from zero to some selected relatively high value, whereby the voltage output of the generator armature is substantially zero for all values of currents in said field windings and coils of a value too small to saturate the magnetic shunts.

2,546,004
PROGRESSIVE DIELECTRIC HEATING
Theodore P. Kinn, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1947, Serial No. 760,348
3 Claims. (Cl. 219—47)



1. Dielectric heating equipment comprising a housing, a conveyor having a material-carrying portion inside said housing and a loading portion outside said housing, a plurality of pairs of heating-electrodes inside said housing, each pair comprising heating-electrodes on opposite sides of said material-carrying portion of said conveyor, one of each of said pair of heating-electrodes being insulated from the associated heating-electrode paired therewith and from a heating-electrode of a different pair, common means for adjusting said insulated heating-electrodes to vary the spacing thereof with respect to the associated heating-electrodes, a high-frequency power line outside said housing, a plurality of networks at said housing, there being a separate network for each pair of heating-electrodes, and conductor means connecting said networks to said power line and connecting each of said networks separately to an individual pair of said heating-electrodes, each of said networks comprising an adjustable reactance member, and means outside said housing for adjusting said reactance member, each network and the associated pair of heating-electrodes forming a tunable load circuit.

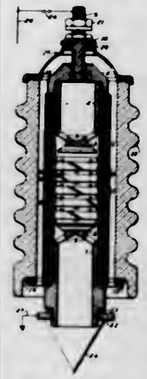
2,546,005
ICE-FLAKE MACHINE
Frank W. Knowles, Seattle, Wash., assignor to Beltice Corporation, a corporation of Washington
Application December 3, 1943, Serial No. 512,701
4 Claims. (Cl. 62—106)



3. A refrigeration device, comprising; a drum; an endless belt around and in contact with said drum, the length of said belt being greater than the circumference of said drum so that a portion of said belt is out of contact with said drum; means for taking successive portions of said belt out of and back into contact with said drum to form engaged and disengaged portions of said drum and belt; means for establishing a temperature differential between an engaged portion of said drum and a disengaged portion of said drum, said previous means comprising shields and a fluid supply conduit for supplying to and confining to such disengaged portion of said drum a fluid at a temperature high with respect to the temperature of said engaged portion of said drum to establish said temperature differential.

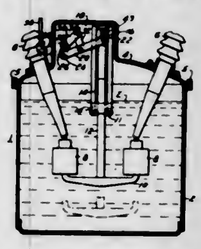
2,546,006
LIGHTNING ARRESTER
Merrill G. Leonard, Sharon, and Guy Y. Hager, Sharpsville, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1947, Serial No. 788,370
9 Claims. (Cl. 175—30)

1. An excess voltage protective device comprising a tubular insulating structure having a cylindrical internal surface of material capable of evolving gas in the presence of an electric arc, a pair of metal electrodes extending into opposite ends of said tubular structure, one of said electrodes being vented, a plurality of imperforate discs and a plurality of annular washers in the tubular structure, said discs and washers being made of an insulating material capable of evolving gas in the presence of an electric arc, the discs and washers being disposed alternately in a loose stack in the tubular member between the electrodes, and the height of the stack of discs and washers being less than the distance between the electrodes to permit the discs and



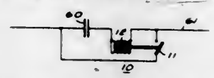
washers to move axially in the tubular structure.

2,546,007
CIRCUIT INTERRUPTER
Harry J. Lingal, Forest Hills, and James M. Cumming, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 1, 1945, Serial No. 575,714
2 Claims. (Cl. 175—294)



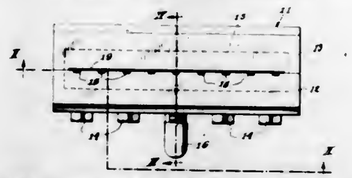
1. In an automatic reclosing circuit breaker, separable contact means at least one of which is movable and is biased to a full open circuit position, means for releasably holding said movable contact means in closed circuit position and being operable in response to predetermined conditions to release said movable contact means, reclosing means comprising a closing lever connected to said movable contact means, an operating lever for applying force through a connecting link to a fixed point on said closing lever in a direction for moving said movable contact means from full open to closed circuit position, means responsive to a predetermined circuit opening operation of said breaker to cause said reclosing means to halt opening movement of said movable contact means at a point before said movable contact means reaches full open circuit position and to immediately return said movable contact means to closed circuit position, the fulcrum of one of said levers being movably mounted relative to the fulcrum of the other lever, and a guide for said one lever to shift said movable fulcrum for varying the effective lever arm from the pivot of said operating lever to the said fixed point where it applies force to said closing lever in response to movement of said movable contact means so that this distance is a minimum thereby causing the force delivered to the movable contact means by said reclosing means to be highest substantially at the point in the movement of said movable contact means corresponding to the aforesaid point in the path of movement of said movable contact means where opening movement may be halted.

2,546,008
SERIES-CAPACITOR PROTECTIVE SYSTEM
Ralph E. Marbury, Pittsburgh, and James B. Owens, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1945, Serial No. 572,610
12 Claims. (Cl. 175—294)



1. An overvoltage protective system for a series capacitor connected in series in an electric transmission or distribution line, said protective system comprising an expansible bellows of conductive material, means for electrically connecting said bellows, at least at times of excessive line current, to carry the line current and be heated thereby, switch means for completing a by-pass circuit around said series capacitor and bellows, spring means tending to move said switch means to circuit-completing position, said bellows being attached to the switch means and being adapted to hold the switch means in open-circuit position under normal conditions, and said bellows being adapted to expand when heated above a predetermined temperature to permit the switch means to be moved to circuit-completing position by said spring means.

2,546,009
GAS BURNER HAVING PORT-CONNECTING PILOT SLOT
Michael E. McGowan, Bloomfield, and Paul E. C. Moes, West Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1945, Serial No. 625,068
6 Claims. (Cl. 158—116)

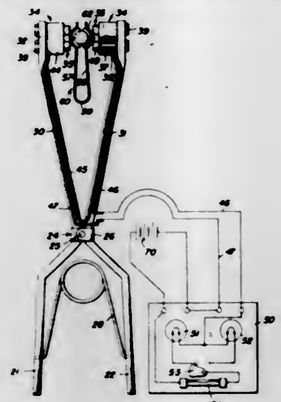


1. A gas burner, comprising a chamber, means for supplying gaseous fuel thereto, one wall of said chamber being at least ¼ inch thick and having a series of holes of about .01 inch transverse dimensions, with centers spaced about ⅛ inch, and passages about .0025 inch wide connecting said holes, whereby its sensitivity to adjustment of fuel gas pressures and volumes is decreased, and popping or backfiring avoided even when burning at a low rate of fuel consumption.

2,546,010
TOOL ASSEMBLY FOR PLACING AND HOLDING LOCKING MEMBERS ON VALVE STEMS
Edwin B. McSherry, Leslie, Ark.
Application December 11, 1947, Serial No. 790,990
2 Claims. (Cl. 81—5.1)

1. A tool assembly for holding the keepers of the valve spring retainers on the valve stem, com-

prising gripping arms, pivoted to each other and provided with handles for moving them towards and away from each other, electromagnets on each gripping arm facing each other, means for supplying said electromagnets with current, an



auxiliary holding device adapted to be slipped over the keeper while held by the electromagnets on the gripping arms, the said auxiliary holding device being provided with ejector fingers projecting towards the valve spring retainers.

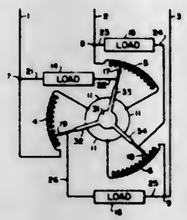
2,546,011

THREE-PHASE AUTOTRANSFORMER

Heber J. Morrison, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 14, 1949, Serial No. 70,977

3 Claims. (Cl. 323—43.5)



1. In combination, a three-phase alternating current supply circuit having three phase conductors, an autotransformer having three phase windings, one end of each phase winding being connected to a neutral point and the other ends of the three phase windings being connected, respectively, to the three phase conductors of the supply circuit, three load elements each having one end connected to one of the three terminals of the three phase windings, the other ends of the three phase load elements being connected to movable tap changing switches for making contact with selected turns of the three phase windings, and means for simultaneously operating the three tap changing switches to change connections of the three phase load elements from one end of a range of operation corresponding to a delta connection of the three load elements to the other end of the range of operation corresponding to a Y connection of the three load elements.

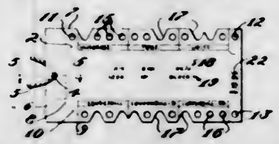
2,546,012

PRICE TICKET

Haddon S. Owen, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

Application May 29, 1947, Serial No. 751,375

3 Claims. (Cl. 129—16.1)



1. A price tag comprising a pair of superposed price tickets interconnected at one end, one ticket having a weakened line spaced inwardly from its connected end for separating said ticket into a stub and main section, the weakened line extending transversely of the ticket from one edge to a point spaced inwardly of the opposite edge and thence extending obliquely across the adjacent corner of the main section toward said opposite edge of the ticket whereby when the main section is detached from the stub along the weakened line it has a cut-off corner for facing purposes, means at the connected end of the tickets for attaching the connected tickets to an article of merchandise whereby when the main section of the said one ticket is detached along the weakened line for facing and sorting purposes the other ticket remains attached to the merchandise, said main section having a perforation in each of the remaining corners for facing purposes, and each of the tickets having a space intermediate their edges for rows of printed identification indicia, said main section having a row of coded perforations, corresponding in part to said printed identification indicia, extending along and adjacent each of its edges, the corresponding portion of the other ticket having corresponding rows of coded perforations in registry with the coded perforations of said main section, whereby opportunity is afforded for utilizing each of the edges of the main section of the said one ticket and the corresponding edges of the other ticket for said coded perforations and insuring that the corresponding edges of the other ticket become a facsimile of the main section of the said one ticket.

2,546,013

MEANS AND METHOD FOR PRODUCING SPECIAL HEAT-TREATING GASEOUS ATMOSPHERES

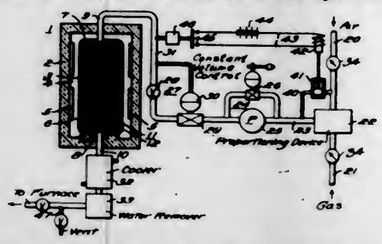
Clarence E. Peck, Wilkinsburg, and John G. Hoop, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1942, Serial No. 447,682

11 Claims. (Cl. 252—373)

1. A system of a type described for producing a product-gas, comprising hydrogen and carbon-monoxide, comprising, in combination, gas-mixing means; air-supply pipe-means, and gas-supply pipe means for a fuel gas comprising a hydrocarbon, connected to said gas-mixing means; reaction-chamber means comprising a catalyst-containing reaction-chamber and heating means; connection pipe-means for conveying a flowing gas-mixture from said gas-mixing means to said reaction-chamber for reaction therein; gas-outlet means for product-gas from said reaction-chamber means; electrically operated controllable means for varying the relative amounts of the air

and fuel gas supplied to said reaction-chamber means; responsive means automatically and differently responsive to different resistances to gas-flow caused by the deposition of carbon in said catalyst in said reaction-chamber means and consumption of carbon in said catalyst in said



reaction-chamber means; and electric circuit means, automatically controlled by said responsive means, for controlling said controllable means, whereby the amounts of air and fuel gas are varied in predetermined manners respectively responsive to said deposition and consumption.

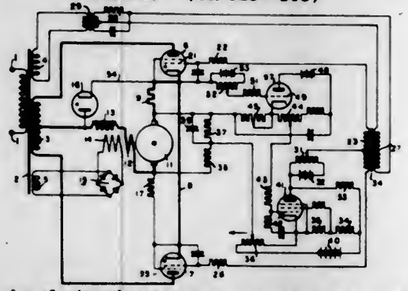
2,546,014

ELECTRONIC SYSTEM FOR ENERGIZING DIRECT-CURRENT MOTORS FROM AN ALTERNATING-CURRENT SOURCE

Konstanty P. Puchlowski, Buffalo, and John G. Haneiko, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 4, 1948, Serial No. 47,904

6 Claims. (Cl. 318—308)



1. An electronic system for energizing a direct-current motor from an alternating current source, comprising a power transformer, a rotary direct-current motor having an armature, rectifier tubes connected between said armature and said transformer for sequentially conducting rectified current through said armature, an inductive reactor series-connected with said armature, a shunt circuit having low impedance compared with said transformer and being connected across said series-connected armature and reactor, said shunt circuit having a valve poled for permitting the inductive current from said reactor to flow through said armature only in the direction of said rectified current.

2,546,015

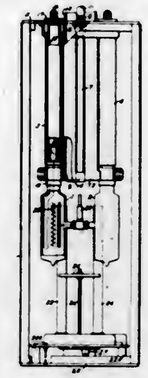
OUTPUT COUPLING CIRCUIT FOR BALANCED HIGH-FREQUENCY GENERATORS

William M. Rust, Cortland, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 19, 1945, Serial No. 594,631

16 Claims. (Cl. 178—44)

14. A balanced-to-unbalanced circuit connector comprising, an outer conductor including a first section and a contiguous second section having a pair of longitudinal slots extending from one end of said outer conductor and forming in said second section a pair of conductive portions, an inner conductor including a first section and a contiguous second section coaxially supported



within said first and second sections respectively of said outer conductor and connected to one of said conductive portions, the impedance of the circuit comprising the first sections of said outer and inner conductors being matched to the impedance of the circuit comprising said second sections of said outer and inner conductors.

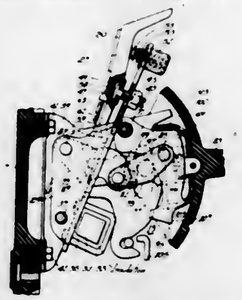
2,546,016

CIRCUIT BREAKER

Jerome Sandin, Forest Hills, and Ture Lindstrom, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application December 11, 1943, Serial No. 513,869. Divided and this application December 21, 1944, Serial No. 569,184

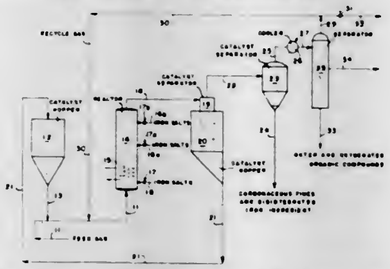
13 Claims. (Cl. 200—87)



9. A circuit breaker comprising stationary contact means, a switch member, movable contact means mounted on said switch member, operating means for moving said switch member to open and closed positions for opening and closing said contact means, supporting means for said movable contact means comprising a member mounted on said switch member and adjustable relative thereto, said supporting member having a head disposed in a recess in said movable contact means, retaining means on said movable contact means engaging said head to retain said movable contact means on said switch member and to provide universal move-

ment of said movable contact means relative to said switch member, spring means disposed adjacent one end of said movable contact means for normally providing contact pressure in the closed position of said switch member, and a member of magnetizable material mounted on said movable contact means adjacent the other end thereof cooperating with said movable switch member in response to excessive currents to increase the contact pressure in proportion to the magnitude of the excessive current.

2,546,017
PROCESS FOR HYDROGENATION OF CARBON MONOXIDE
James C. Schiller, Sam R. Bethea, and Max A. Mosesman, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 11, 1948, Serial No. 64,744
8 Claims. (Cl. 260—449.6)



1. A method for synthesizing hydrocarbons and oxygenated organic compounds which comprises forming a feed mixture of carbon monoxide and hydrogen, contacting said mixture in a reaction zone with a catalyst initially comprising a minor amount not over 10% by weight of catalytic material which is susceptible to disintegration during said contacting selected from the oxides and salts of iron and a major amount of a solid zinc aluminate carrier material having a high resistance to disintegration, continually introducing said catalytic material into said reaction zone separately from said carrier to maintain a catalytic amount not over 10% by weight of said catalytic material on said carrier, at a reaction temperature in a range between 350° and 800° F. and at a pressure in a range from about atmospheric to about 800 pounds per square inch to form a product including hydrocarbons and oxygenated organic compounds and disintegrated catalytic material and continuously recovering said product and discarding said disintegrated catalytic material.

2,546,018
PRODUCTION OF GLUTARALDEHYDE AND C-SUBSTITUTED GLUTARALDEHYDE FROM DIHYDRO PYRANS
Curtis W. Smith, Berkeley, and Seaver A. Ballard, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 6, 1947, Serial No. 772,598
16 Claims. (Cl. 260—601)

8. The method of preparing an aqueous solution of glutaraldehyde which comprises dissolving 2-(3,4-dihydro-1,2-pyranyl) methyl ether in water.

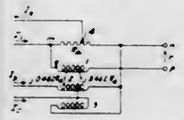
2,546,019
PREPARATION OF 1,5-PENTANEDIOLS
Curtis W. Smith, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 25, 1947, Serial No. 782,229
12 Claims. (Cl. 260—635)

7. A method of preparing a 1,5-diol comprising subjecting in the presence of a hydrogenation catalyst a 3,4-dihydro-1,2-pyran having an organic substituent group attached to the carbon atom in position No. 2 of the dihydropyran ring by a hydrolyzable bond to a divalent atom of a non-metallic element of group VI of the periodic table of the elements, to the simultaneous action of an aqueous hydrolytic medium and hydrogen under conditions of an elevated temperature and a superatmospheric pressure of hydrogen conducive to hydrogenation reaction, and recovering a 1,5-diol from the resultant mixture.

2,546,020
MULTIOLEFIN MONOOLEFIN RESIN AND PROCESS OF MAKING THE SAME
William J. Sparks, Westfield, and John D. Garber, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,514
7 Claims. (Cl. 260—85.3)

1. A non-thermosetting, non-elastomer, hard, brittle resin containing 45% of combined butadiene and 55% of combined diisobutylene and having an iodine number substantially of the order of 145, a softening point substantially of the order of 208° F., a Staudinger molecular weight number not substantially greater than 2000 and being substantially free from gel and capable of cooking rapidly in varnish oils to produce coating compositions.

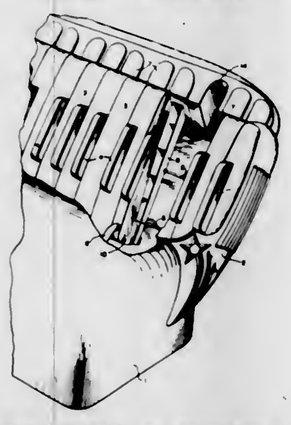
2,546,021
CONTROL SYSTEM
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1945, Serial No. 591,079
7 Claims. (Cl. 171—119)



1. A phase-sequence-current filter-network for selectively responding to a plurality of phase-sequence components of an impressed three-phase current, said filter-network comprising, in effect, two impedances, $\dot{Z}_a = Z_a e^{j\alpha}$, and $\dot{Z}_b = Z_b e^{j\beta}$, circuit-connections for causing the impedance $\dot{Z}_a$ to be traversed, in effect, by any one of the phases of the impressed current, and for causing the impedance $\dot{Z}_b$ to be impressed, in effect, by the difference between the other two phases of the impressed current, and circuit-connections in effect serially connecting said impedances for producing an output-voltage responsive to the difference between the two voltage-drops thus produced, characterized by the impedance $Z_a e^{j\alpha}$ having a vector-value substantially different from

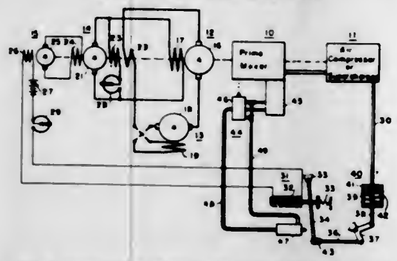
$$1.732 Z_b e^{j(\beta - 90°)}$$

2,546,022
ACCORDION WITH AUXILIARY KEYBOARD
Leroy R. Stahl, Duluth, Minn.
Application June 8, 1949, Serial No. 97,890
1 Claim. (Cl. 84—376)



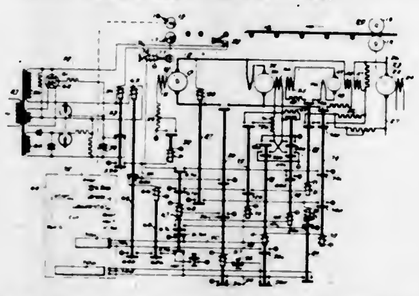
In combination with an accordion having a standard keyboard composed of a plurality of white keys in parallel abutting relation, and a plurality of groups of black keys spaced adjacent the inner ends of said white keys and normally extending above the latter, portions of said white keys extending between said black keys: a plurality of groups of auxiliary keys corresponding to said black keys and carried on said keyboard outwardly of said white keys, said auxiliary keys being alined with said black keys, each of said auxiliary keys having a lever extending forwardly therefrom and under its respective black key to adjacent the forward end of the latter, said levers being pivoted intermediate their ends whereby the depressing of an auxiliary key will raise the forward end of its lever to engage the forward end of the corresponding black key and cause the latter to be depressed to play the accordion, and spring means to return said keys to normal position when released.

2,546,023
LOCOMOTIVE CONTROL SYSTEM
John J. Stamm, Media, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1949, Serial No. 79,078
6 Claims. (Cl. 290—8)



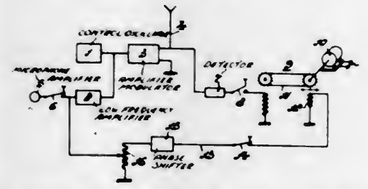
1. In a control system, in combination, a prime mover, a generator driven by the prime mover and having an armature winding and a field winding, exciting means for energizing said field winding, variable-resistance means for controlling the energization of said field winding, a fluid compressor driven by the prime mover to supply a compressed fluid to the prime mover, pressure-responsive means actuated by the fluid pressure developed by said compressor, regulating means responsive to the speed of the prime mover, and lost-motion means connecting the pressure-responsive means and the regulating means to the variable-resistance means independently of each other, said lost-motion connections being disposed to permit said regulating means and said pressure-responsive means to cooperate in controlling the operation of said variable-resistance means.

2,546,024
CONTROL SYSTEM FOR CUTTING APPARATUS
John R. Wrathall, East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1948, Serial No. 23,677
15 Claims. (Cl. 164—68)



1. In a drive for cutting apparatus disposed to cut moving material, a motor disposed to be connected in driving relation with the cutting apparatus, circuit means disposed to supply electrical energy to the motor, control means operable in response to movement of the material to connect the motor to said circuit means for effecting a cutting operation, and a limit switch disposed to be operable in response to movement of the cutting apparatus to effect a reduction in the voltage of the circuit means an instant before a cut is made to initiate stopping of the cutting apparatus.

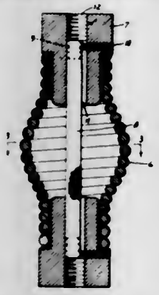
2,546,025
RADIO TRANSMITTER WITH HUM COMPENSATING MEANS
Sytse Breimer, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 11, 1947, Serial No. 721,566
In the Netherlands November 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 9, 1965
5 Claims. (Cl. 250—17)



1. In combination with a radio transmitter energized by an alternating-current supply and

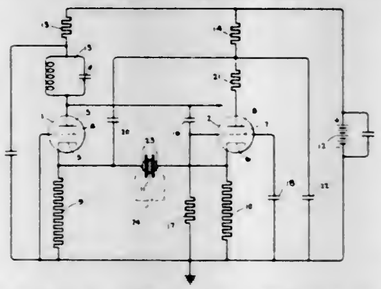
adapted to generate a carrier wave, said wave having a hum modulation component arising from said supply, said transmitter including means to modulate said carrier wave with an intelligence signal, apparatus to compensate for said hum comprising a detector coupled to said transmitter for demodulating said carrier, means coupled to the output of said detector to record solely the detected hum modulation component for a predetermined period in the absence of signal modulation, means continuously to reproduce electrically said recording to develop a negative feedback voltage in accordance with the recorded hum component, and means to apply said negative feedback voltage to the modulation means of said transmitter to compensate for said hum.

2,546,026
FLEXIBLE ANTENNA MOUNTING
James P. Coon, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application April 15, 1947, Serial No. 741,655
6 Claims. (Cl. 250—33)



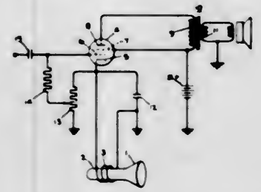
4. A flexible mounting structure for the whip antenna of a radio equipped vehicle comprising in combination a helical spring member, a cap secured to each end of said spring member, and a flexible tubular conductor electrically bonded to said caps and extending axially of said spring member, said conductor being braided to have sufficient flexibility rigidity to retain its tubular form while flexing lengthwise when said spring member is substantially deflected from a vertical axis.

2,546,027
NEUTRALIZED CRYSTAL OSCILLATOR
Reginald L. Downey, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application May 28, 1949, Serial No. 95,901
6 Claims. (Cl. 250—36)



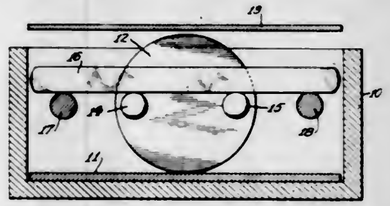
1. A crystal oscillator comprising a pair of electron discharge devices, each having an anode, a cathode, and a control electrode, a piezoelectric crystal, means impressing anode operating potentials on each of said devices through respective anode and cathode load impedances, means coupling the anode of one of said devices to the control electrode of the other, means regeneratively coupling the cathode of said other discharge device through said piezoelectric crystal to the cathode of said one discharge device so as to excite oscillations in said one device at the natural frequency of said crystal, and means to supply oscillations from the anode of said other device to the cathode of said one device in phase to neutralize oscillations supplied thereto through capacity effect across said piezoelectric crystal.

2,546,028
FOCUS COIL ARRANGEMENT
Raymond F. Foster, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 19, 1948, Serial No. 61,057
10 Claims. (Cl. 178—5.8)



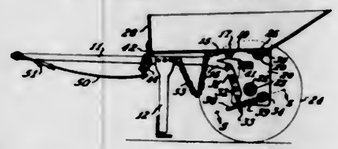
1. A combined amplifying and cathode ray tube focusing system comprising a magnetic focusing coil for a cathode ray tube, an electron discharge amplifier having at least an anode, a cathode and a control electrode, means for impressing signal voltages to be amplified between said control electrode and cathode, a signal output circuit connected between said anode and cathode, means for energizing said focus coil with unidirectional current flowing in the common cathode circuit of said device, means for impressing a bias voltage on said control electrode to provide a desired magnitude of said current, and means for adjusting said bias voltage to adjust said current.

2,546,029
SIDE BEARING FOR CAR TRUCKS
Otis T. Gregg, Hackensack, N. J., assignor to The Gregg Company, Ltd., New York, N. Y., a corporation of New York, and to Gregg Car Company, Ltd., Panama, R. P., a corporation of Panama
Application March 5, 1946, Serial No. 652,146
9 Claims. (Cl. 308—226)



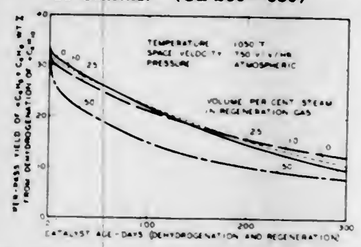
1. A side bearing for railroad cars comprising a rocker member having semicylindrical upper and lower surfaces, means supporting said rocker member for rocking movement, stabilizing means having weight portions on opposite sides of the axis of said rocker member, and substantially diametrically spaced elements on said rocker member eccentric to the axis of said rocker member for lifting one of said weight portions upon rocking movement of said rocker member from an initial position, whereby the lifted weight portion urges said rocker member toward said initial position.

2,546,030
DUMPCART
John Grewe, Hartwell, Ohio
Application May 13, 1949, Serial No. 93,155
15 Claims. (Cl. 298—19)



1. In a dump cart or the like a frame, a plate pivoted to said frame, a wheel carrying axle journaled in said plate, a carrier bin pivoted to said plate, a balance rod positioned in said frame, said bin normally resting on said balance rod, a stabilizing arm pivoted at one end to said frame and pivoted at a point intermediate of its ends to said plate, and spring means positioned between the other end of said stabilizing arm and said plate.

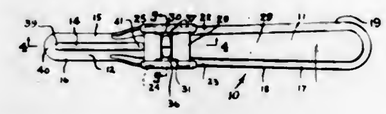
2,546,031
REGENERATION OF ALUMINA-CHROMIA CATALYST
George H. Hanson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 26, 1948, Serial No. 56,546
15 Claims. (Cl. 260—680)



1. The improved method of regenerating a catalyst comprising alumina and chromia for the dehydrogenation of a dehydrogenatable hydrocarbon which comprises contacting said catalyst after deactivation by carbonaceous deposits thereon during said dehydrogenation with an oxygen-containing regeneration gas having a steam content of from 10 to 25 volume per cent until said carbonaceous deposits are removed.

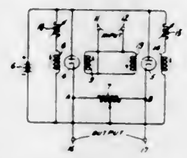
2,546,032
FRUIT AND VEGETABLE CUTTER AND PEELER
Hans A. Holmberg, Conklin, N. Y.
Application September 19, 1945, Serial No. 617,326
1 Claim. (Cl. 30—24)

In a fruit peeler, a shank having tracks formed on opposite longitudinal edges thereof, a plow having opposite ends disposed in said tracks, and angularly inclined cutter blades disposed toward an apex intermediate the opposite ends of



said plow so that the plow may be manually operated successively in opposite directions without relocating the shank in the operator's hand.

2,546,033
MAGNETICALLY CONTROLLED ELECTRON DISCHARGE AMPLIFIER CIRCUITS
Chester R. Knight, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 7, 1946, Serial No. 674,945
3 Claims. (Cl. 179—171)

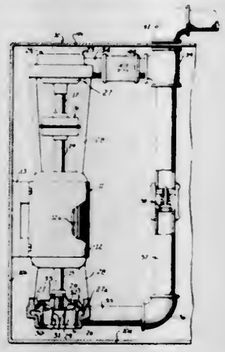


1. An amplifier comprising two electron discharge devices, each having an anode and a cathode, an output resistance directly connected between said cathodes, a source of unidirectional potential having a positive and a negative terminal, means for connecting the positive terminal of said source directly to both of said anodes, means for connecting the negative terminal of said source to a movable tap on said resistance, means for producing a magnetic flux in each of said devices of value corresponding to a region of relatively large space current change for small change in magnetic flux comprising respective windings for each of said devices connected in parallel across said source, an input circuit including means to aid the flux produced in one device and means to oppose flux produced in said other device when applied voltage is of one polarity, and having the opposite effect when said applied voltage is of the opposite polarity, and an output circuit connected directly across the said resistance.

2,546,034
MULTIPLE PUMP AND MOTOR UNIT FOR AIRCRAFT FUEL SYSTEMS
Paul J. Lansing, Los Angeles, Calif., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 21, 1950, Serial No. 139,914
9 Claims. (Cl. 244—135)

7. A multiple pump and motor unit adapted for submersion in an aircraft fuel cell or the like which comprises a single electric motor, drive shafts extending from the ends of said motor, pump casings at the ends of said motor, each pump casing having a vapor separating pump impeller therein coupled with a motor drive shaft, means for mounting the assembly in upright position in a fuel cell to position the inlets of the pumps at superimposed levels, and a centrifugal

clutch in the drive shaft between the top pump and the motor and constructed and arranged to



drive the impeller in the top pump whenever the motor speed increases beyond a normal speed.

2,546,035
HIGH-VOLTAGE SUPPLY
Roland M. Lichtenstein and Warner W. Schultz, Schenectady, and Edmund E. Goodale, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application August 23, 1949, Serial No. 111,928
4 Claims. (Cl. 171—97)

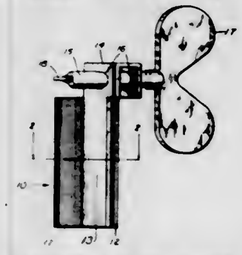


2. A direct current voltage supply comprising a first plurality of capacitors permanently connected in electrically series arrangement, a second plurality of capacitors adapted to be charged in electrically parallel arrangement from a low voltage source, and switching means for connecting each of said capacitors of said second plurality of capacitors to a corresponding capacitor of said first plurality of capacitors to provide a cumulative voltage between the extremeties of the series arrangement of said first plurality of capacitors equal at no load to the product of the voltage of said low voltage source times the number of said capacitors in said first plurality of capacitors in series.

2,546,036
METHOD OF PREPARATION OF DIMETHYL SILICONE GUMS
James Marsden, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 11, 1946, Serial No. 676,105
3 Claims. (Cl. 260—46.5)

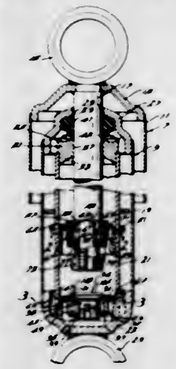
1. The process of producing a solid, elastic, curable methylpolysiloxane which comprises treating at a temperature ranging from room temperature to 150° C. with sodium hydroxide, until a solid, elastic product is obtained, a liquid methylpolysiloxane having a methyl-to-silicon ratio of from 1.98 to 2.0 methyl groups per silicon atom and consisting of polymerized dimethylsiloxane containing up to 2 mol per cent copolymerized monomethylsiloxane, the said sodium hydroxide being present, by weight, in an amount equal to from 1 to 30 per cent of the weight of the aforementioned liquid methylpolysiloxane.

2,546,037
PRY TYPE VACUUM CAP REMOVER
Joseph J. McGuinness, Waterbury, Conn., assignor to John M. Freiheit, Waterbury, Conn.
Application June 19, 1947, Serial No. 755,557
5 Claims. (Cl. 81—3.36)



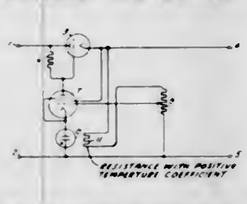
1. In a cap remover for cylindrical containers of the type providing a narrow space between a shoulder on the container and the edge of its cap, a channel-shaped frame having spaced vertically extending edges for engagement with the side of the vertically-held container, a cam mounted in said frame for rotation about an axis perpendicular to said edges, and a handle for rotating said cam, said handle including a bit slidable horizontally in said frame and carrying said cam.

2,546,038
SHOCK ABSORBER CONSTRUCTION
Brouwer D. McIntyre, Charles J. Smith, and John Dutton, Monroe, Mich., assignors to Patent Development Company, Monroe, Mich., a partnership
Application June 30, 1950, Serial No. 171,472
10 Claims. (Cl. 188—88)



1. A hydraulic shock absorber, comprising a pressure cylinder normally filled with liquid, means serving as a liquid reservoir for said pressure cylinder, closure means closing one end of said pressure cylinder, valve means adjacent the opposite end of said pressure cylinder controlling the interflow of liquid between said pressure cylinder and reservoir, a piston reciprocable in said pressure cylinder, an operating rod connected with said piston and extending through said closure means, said piston having passage means extending therethrough and constituting the only means of escape for liquid trapped in said pressure cylinder between said closure means and one side of said piston upon movement of said piston toward said closure means, and pressure responsive valve means for controlling the flow of fluid through said piston passages to the portion of said pressure cylinder on the opposite side of said piston, said pressure responsive valve means being automatically actuatable to open position in response to a predetermined pressure of liquid in said passage means, the area of said passage means being not less than .4% nor more than 5% of the area of said pressure cylinder less the area of said operating rod.

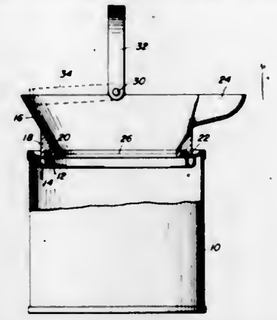
2,546,039
REGULATING SYSTEM
James Moir and William S. Graff-Baker, Rugby, England, assignors to General Electric Company, a corporation of New York
Application April 6, 1946, Serial No. 660,032
In Great Britain August 21, 1945
6 Claims. (Cl. 323—22)



6. A voltage regulator comprising in combination, a source of unidirectional electromotive force, a load connected thereto, a source of substantially constant reference voltage having voltage variations with temperature changes, a temperature sensitive resistance mechanically disposed adjacent said source so as to be maintained at substantially the same temperature as said source of reference voltage, said resistance having a temperature coefficient producing a resistance change with temperature change, a second resistance, means connecting said first and second resistances in series relation across said load, and means to control the voltage of said first mentioned source in accordance with the difference between the voltage of said source of reference voltage and the voltage across at least a portion of said second resistance, thereby to maintain constant the electromotive force at said load, said first resistance having a resistance change with temperature such that temperature changes at said source of reference voltages are substantially prevented from influencing the voltage output of said regulator.

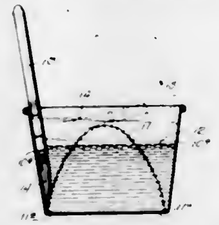
2,546,040
SPLASH GUARD FOR CONTAINERS
Elmer E. Murray, Grenloch, N. J.
Application July 9, 1948, Serial No. 37,889
3 Claims. (Cl. 222—570)

1. An attachment for a container having an upper wall with a concentric groove and bead for receiving a container closure, comprising; an annular member having an upstanding, enclosing wall, said member having an upper opening and a lower opening communicating with the interior of a container, said wall having a channel therein for frictionally receiving and gripping, throughout its entire circumference, the bead of the container, said wall being upwardly and outwardly flaring to constitute a funnel, a pouring spout comprising a portion of said wall, lugs on the



upper portion of said wall, a handle pivoted to said lugs and foldable into the interior of said can.

2,546,041
BRUSH CLEANING APPARATUS
Orville L. Newton, Harvey, and Lyle M. Erickson, Chicago, Ill.
Application February 14, 1947, Serial No. 728,480
2 Claims. (Cl. 15—121.2)

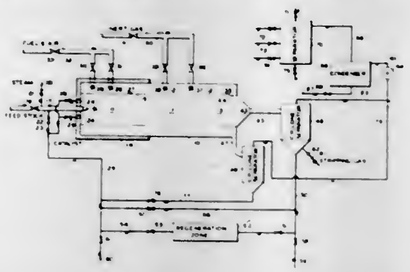


1. A holder for a paint brush or the like wherein the brush may be held immersed in a liquid cleaner, said holder comprising a container for the liquid having a pair of oppositely located bottom edge portions, and a support means for said brushes extending in a continuous arc from one of said bottom edge portions of the container to the opposite bottom edge portion thereof with the central portion of said support means projecting above the normal liquid level in the container.

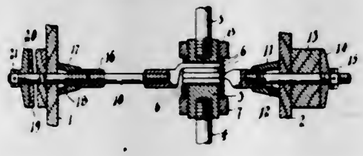
2,546,042
PROCESS AND APPARATUS FOR CATALYTIC CONVERSION OF HYDROCARBONS
George Grover Oberfell and George N. Cade, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 31, 1948, Serial No. 68,464
12 Claims. (Cl. 196—52)

1. In the art of catalytically converting hydrocarbons, the steps which comprise passing a stream of hydrocarbon feed stock containing suspended, finely divided catalyst into a conversion zone and then into a regeneration zone, passing a stream of hot regeneration gases in a helical path around the hydrocarbon stream in said conversion zone and in heat exchange relation therewith, thereby to heat said hydrocarbon stream to conversion temperature, cooling said gases to regeneration temperature as they pass from the conversion zone into the regeneration zone, withdrawing converted hydrocarbons and unregener-

ated catalyst from the central region of the regeneration zone, and withdrawing converted hydrocarbons and regenerated catalyst from the peripheral region of the regeneration zone.

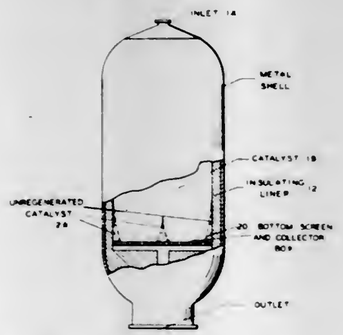


2,546,043
TIE ROD FOR CONCRETE FORMS
Frank D. Parmenter, Toronto, Ontario, Canada
Application May 24, 1944, Serial No. 537,083
2 Claims. (Cl. 287—1)



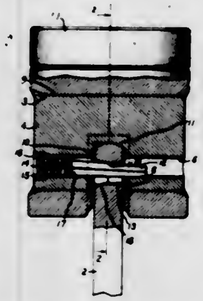
1. A cluster connector for tie rods comprising a pair of vertical rods each externally threaded at an end, a body member having two internally threaded holes therein adapted to receive the threaded ends of the rods, said body member having a flange at one end thereof, and a plurality of tie rods provided with eyes adapted to extend around the body member above the flange and to be retained in position thereon by said flange.

2,546,044
CATALYST CHAMBER CONSTRUCTION
Charles L. Rogers, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 1, 1946, Serial No. 644,948
4 Claims. (Cl. 23—288)



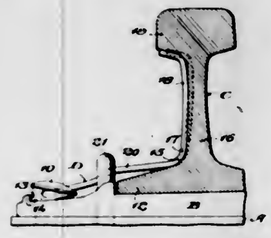
1. The method of modifying the construction of a given catalytic reactor so that maximum catalyst reactivation and minimum coking during reactivation will occur which comprises filling a cylindrical catalyst reactor with a stationary bed of solid catalyst particles, passing a fluid stream of organic material to be converted through said bed at conversion conditions of temperature, pressure and flow rate, stopping the flow of organic material after said catalyst becomes substantially deactivated by accumulations of carbonaceous matter thereon and passing a stream of oxygen-containing gas through said bed at catalyst-reactivating conditions of temperature, pressure and flow rate, repeating the above-described conversion-reactivation cycle a plurality of times, then determining the surface of demarcation in the outlet region of said reactor between catalyst which has been substantially completely reactivated in said reactivation steps and catalyst which has become coked due to incomplete reactivation in said reactivation steps because of slow flow rate therethrough, and then shaping the reactor walls adjacent the outlet end of said catalytic reactor in conformity with a surface corresponding to said surface of demarcation which had been previously determined.

2,546,045
COMPRESSOR ASSEMBLY
Owen H. Scheldorf, North East, Pa., assignor to General Electric Company, a corporation of New York
Application May 12, 1949, Serial No. 92,815
7 Claims. (Cl. 309—17)



7. In a piston and connecting rod assembly for compressors and the like, a reciprocating piston having a transverse passage therein, a wrist pin received within said passage, said wrist pin having a longitudinal passage therein, said wrist pin having a second passage therein extending downwardly from said longitudinal passage through the bottom of said wrist pin, a connecting rod extending through said second passage and having a portion received within said longitudinal passage, said connecting rod terminating within said wrist pin wherein the entire length of said wrist pin along the top surface thereof is available for engagement with said piston, said wrist pin having a recess in line with said second passage for receiving the upper end of said connecting rod, said recess and said upper end of said connecting rod having adjacent engaging surfaces of the same curvature for facilitating self-alignment of said assembly, said connecting rod having an opening therethrough in registry with said longitudinal passage, a tapered element slidably disposed within said longitudinal passage and extending into said opening in said connecting rod, said tapered element being formed by the intersection of two cylinders at an angle less than 15° with each other, said longitudinal passage, said opening in said connecting rod and said cylinders all having substantially the same diameter, and a resilient member within said longitudinal passage for urging said tapered element into engagement with said connecting rod adjacent said opening in said connecting rod to force said adjacent surfaces of said connecting rod and said recess into self-aligning engagement.

2,546,046
ANTICREEPING DEVICE FOR RAILWAY RAILS
Richard T. Scholes, Hinsdale, Ill.
Application April 25, 1947, Serial No. 743,821
6 Claims. (Cl. 238—315)

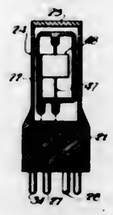


1. In a railway track, a cross tie, a tie plate seated on and fastened to said cross tie, said tie plate having a shoulder against which one edge of the rail flange is engaged to hold the rail against lateral movement in one direction, said tie plate further having an abutment spaced from the other edge of the rail flange, a plate member engaged at its outer end with said abutment and at its inner end with the adjacent face of the rail web, and fastening means for said plate member, said plate member being engaged at its inner end with the rail web to either side of the longitudinal axis of said plate member and being rotatable in a substantially horizontal plane about a point of contact of its outer end with said abutment and having sufficient frictional cooperation at its inner end with the rail web so that it is rotated about its said point of contact with said abutment in response to longitudinal movement of the rail, thereby to bind tightly between said abutment and the rail web and thus resist longitudinal movement of the rail.

2,546,047
SINTERED ANISOTROPIC ALNICO MAGNET
Robert J. Studders, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 13, 1948, Serial No. 20,842
3 Claims. (Cl. 175—21)

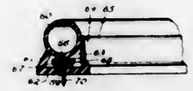
1. An anisotropic sintered permanent magnet containing 7.5 to 9 per cent aluminum, 13 to 15 per cent nickel, 22 to 26 per cent cobalt, 2 to 4 per cent copper, 0.3 to 1.0 per cent zirconium, balance iron except for incidental impurities, said magnet having a BH_{max} in the principal direction at least equal to 3.5×10^6.

2,546,048
GEIGER-MÜLLER TUBE MOUNTING
Meyer Joseph Test, Kansas City, Mo., and Shelley Krasnow, Fairfax, Va., assignors to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Original application October 1, 1941, Serial No. 413,241. Divided and this application January 12, 1948, Serial No. 1,708
13 Claims. (Cl. 250—83.6)



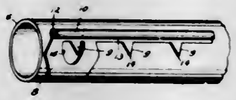
1. A mounting for a Geiger-Müller tube comprising a rigid insulating base with a plurality of rigid conducting prongs, a conducting enclosure having ray transmitting properties for the rays to be measured by the Geiger-Müller tube completely enclosing the Geiger-Müller counter tube, the terminals of the said counter tube being connected respectively to the prongs, the external conducting enclosure being connected to an additional prong and supported by said base, thereby providing a convenient and easily connectible mounting for the tube.

2,546,049
WIND STOP OR SEALING STRIP
Maxwell C. Weaver, Cincinnati, Ohio, and Frank D. Leonard, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application January 9, 1946, Serial No. 640,052
3 Claims. (Cl. 20—69)



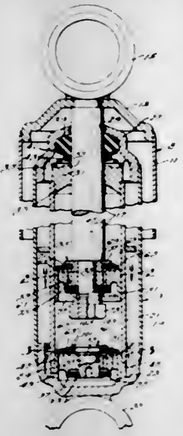
1. A sealing strip of the character described, comprising in combination, an elongated resilient body including a longitudinal tubular head deformable to a partially flattened condition, a base beneath the head, and a longitudinal resilient rib obliquely inclined over the base to support the tubular head, an integral stool on the base projecting upwardly therefrom toward the head, an elongated comparatively rigid core piece coextensive with the base and comprising a strip having opposed side edges, clinch fingers depending from said edges and clamped about the stool to fix the core piece relative to the base, said core piece extending substantially the length of the strip, and a fastener having a shank penetrating the stool and the base, one end of said fastener being fixed to the core piece strip intermediate the clinch fingers.

2,546,050
UPHOLSTERY RETAINER STRIP
Maxwell C. Weaver, Cincinnati, Ohio, and Frank D. Leonard, Detroit, Mich., assignors to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application January 12, 1946, Serial No. 640,708
8 Claims. (Cl. 155—180)



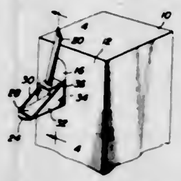
1. As a new combination, an elongated support having a wall, an upholstery retainer in the form of a one-piece longitudinal strip having a bead along an edge thereof, the margin of said edge being inside the bead, a series of coplanar prongs integral with and extending laterally from the opposite edge thereof, said prongs each having a base close to the head and a pointed end remote therefrom, and mounting means in the form of a plate attached to the support for disposing the bead and the prong bases at a fixed distance from the wall of the support, said distance being gauged to the length of the prongs whereby upon bending the prongs at their bases, the points thereof will reach the wall of the support.

2,546,051
SHOCK ABSORBER
Ralph H. Whisler, Jr., Monroe, Mich., assignor to Patent Development Company, Monroe, Mich., a partnership
Application August 21, 1950, Serial No. 180,539
13 Claims. (Cl. 188—88)



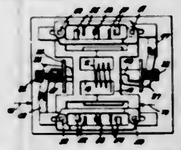
1. A hydraulic shock absorber including a pressure cylinder and a reserve chamber, both of which normally contain hydraulic fluid, means closing the opposite ends of said pressure cylinder, including a compression base valve body adjacent one end thereof, a piston slidably disposed in said pressure cylinder, an operating rod connected with said piston and extending through the closure means at the opposite end of said pressure cylinder from said compression base valve body, said piston having a passageway therethrough through which fluid may flow from the compression base valve side of said piston to the opposite side thereof during the compression stroke of said piston or movement thereof toward said base valve body, said piston having another passageway therethrough through which fluid may flow from the operating rod side of said piston to the opposite side thereof during the rebound stroke of said piston or movement thereof away from said base valve body, valve means normally closing each of said piston passageways and actuatable by a predetermined fluid pressure acting thereagainst to permit a flow of fluid from one side of said piston to the other side thereof, said base valve body having a compression passageway therethrough through which fluid displaced by said operating rod may flow from said pressure cylinder to said reserve chamber during the compression stroke of said piston, valve means normally closing said base valve body passageway against the flow of fluid therethrough and actuatable by a predetermined fluid pressure to permit fluid to flow through said passageway; said piston compression passageway valve means being actuatable by a lesser fluid pressure than said compression base valve body means, means permitting fluid to flow past said base valve body from said reserve chamber to said pressure cylinder on the rebound stroke of said piston so as to replenish said pressure cylinder, the sizes of the piston compression passageway and the base valve compression passageway being of a ratio substantially equal to the ratio between the pressure cylinder area less the operating rod area and the operating rod area, whereby when said piston moves toward said base valve body the necessary volume of fluid will flow through said piston compression passageway to keep the portion of the pressure cylinder on the operating rod side of said piston continually filled with fluid, and said passageways also being of such a size that at relatively low piston velocities the valve means of said compression valve body passageway and said piston compression passageway will primarily control flow of fluid through said piston and valve body and at relatively high piston velocities said compression valve body passageway and said piston compression passageway will provide the majority of control to the flow of fluid through said piston and valve body.

2,546,052
COLLAPSIBLE DISPENSING SPOUT
Wendell Wilkins, Ponca City, Okla.
Application July 19, 1948, Serial No. 39,495
6 Claims. (Cl. 222—528)



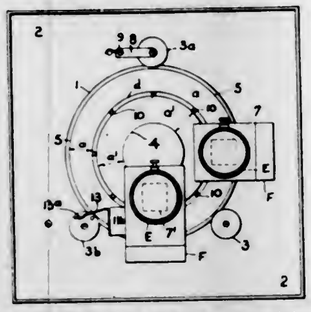
1. A collapsible dispensing spout for a container comprising an end wall, a spout, means for pivotally and foldably securing said spout to said end wall, said means including a pair of spaced side members inwardly foldable intermediate their ends, said side members including triangular members which overlap each other when in a folded position, said last-mentioned means including a door flap upwardly foldable upon said end wall, and means for raising the door flap whereby the side members are extended and a pouring opening is simultaneously formed in said end wall above and proximate to said spout.

2,546,053
ELECTROMAGNET CONTROL DEVICE
John S. Zimmer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 1, 1948, Serial No. 47,203
5 Claims. (Cl. 175—336)



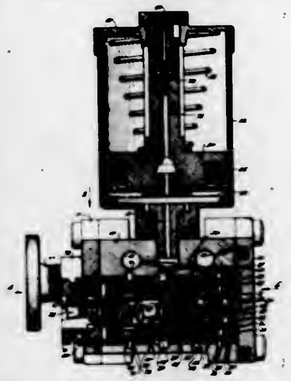
1. A shockproof control device comprising a base, a pair of magnetizable armatures slidably mounted on said base and arranged for movement toward and away from each other, resilient means connected to said base for biasing said armatures to unattracted spaced-apart positions, an energizing coil mounted on said base for simultaneously moving both said armatures to attracted positions in engagement with each other, said biasing means yieldably centering said armatures with respect to said base when said armatures are so engaged, separate fixed stop means positioned on said base to limit movement of each of said armatures toward the other and beyond said centered position, separate movable stop means for each of said armatures, and linkage means connecting each said movable stop means to the other armature whereby said movable stop means are in stopping position only when said armatures are engaged to limit movement of each of said armatures in a direction away from the other and beyond its unattracted position.

2,546,054
OPTICAL PROJECTING APPARATUS FOR A DISK WITH CONCENTRIC TRACKS OF MATTER TO BE PROJECTED
William Stanley Aldrich, Chaldon, near Caterham, and Edward Charlton Aldrich, Shirley, England, assignors to The British Vibralux Limited, London, England
Application November 4, 1947, Serial No. 783,946
In Great Britain May 14, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 14, 1961
1 Claim. (Cl. 88—27)



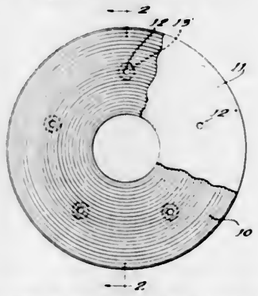
Optical projection apparatus comprising a disc for supporting matter to be projected, rollers supporting the disc at its edges for rotation, means to drive constantly one of the rollers to rotate the disc, the matter being disposed in separate items arranged in annular tracks concentric with the axis of rotation of the disc and the said items forming sets to provide a composite matter for display, a plurality of optical projectors one for each track on the disc, the said projectors being angularly separated about the axis of rotation of the disc and the said projectors being positioned for direct projection to the same projection area of a single screen, and means to bring the carrier to rest for a predetermined period with the items of different sets held in register with the respective projector, the said means comprising a detent to engage angularly spaced abutments on the disc and a release device operated by the constantly driven roller to move the detent clear of the abutments.

2,546,055
COMPENSATOR
Charles U. Ballard, Inglewood, Calif.
Application September 2, 1944, Serial No. 552,400
14 Claims. (Cl. 138—31)



1. A compensator having a body in which there are passages adapted to be connected to the conduits of a telemotor system, a piston reciprocable in the body between limits and subjected to the pressure existing in one passage, a second piston reciprocable between limits within the mentioned piston and subjected to the pressure existing in the other passage, a valve controlling egress from one of the passages, and means operable only by the combined movements of both pistons for opening said valve.

2,546,056
CLUTCH FACING AND METHOD OF MAKING SAME
Clyde S. Batchelor, Upper Stepney, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application June 8, 1948, Serial No. 31,734
5 Claims. (Cl. 154—81)

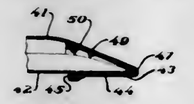


1. An endless clutch facing comprising a spirally wound fibrous fabric strip and a fibrous

fabric sheet bonded to and coextensive with one of the faces of said wound component.

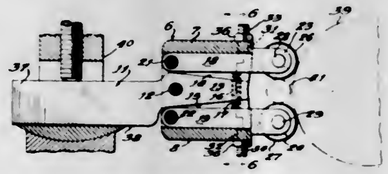
5. The method of reinforcing a clutch facing formed of a spiral coil of fibrous fabric strip material, which comprises bonding to one of its faces a coextensive fibrous fabric sheet.

2,546,057
SLEEVE CLOSURE
Grace A. Bodin and Helene C. Seidl, St. Paul, Minn.
Application November 24, 1948, Serial No. 61,764
4 Claims. (Cl. 2—270)



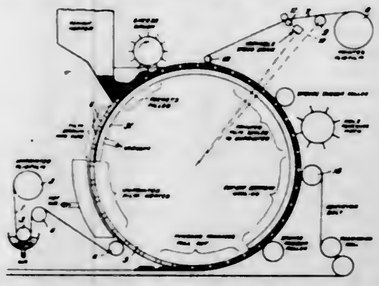
1. An infant's garment including garment sleeves, said sleeves having a cuff foldably connected to the sleeve end and folded back to overlie one side of the sleeve, the side edges of the cuff being secured to the sleeve, said cuff forming a pocket between the sleeve and the cuff on one side only of the sleeve, said cuff enclosing the end of the sleeve when inverted.

2,546,058
KNURLING TOOL
Joseph H. Boulet, Chicago, Ill.
Application September 14, 1948, Serial No. 49,171
2 Claims. (Cl. 80—5.1)



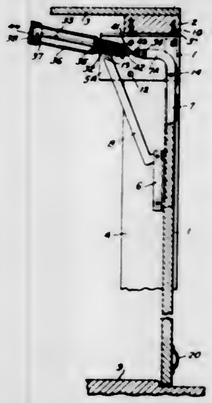
1. A knurling tool comprising a rigid, flat, endwise open sleeve-shaped housing having side walls and relatively narrow top and bottom walls, a shank to be engaged in the tool post of a machine having an end portion disposed within said housing medially of said top and bottom walls and snugly received between said side walls, said end portion being tapered from the rear housing opening to the front opening thereof and pivotally engaged adjacent said rear opening, a pair of roll supporting arms disposed within said housing and snugly received between said side walls and pivotally engaged adjacent said rear opening and adapted to be successively pivotally moved into line contact with said tapered shank end portion and with the housing top and bottom walls, bifurcated end portions on the free ends of said arms extending outwardly of and in close proximity to the front opening of the housing and knurling rolls journaled therein, a compression spring mounted on the outer end of said tapered shank portion to yieldably resist movement of said roll supporting arms toward each other and to urge them towards the housing top and bottom walls respectively, and means extending through the top and bottom walls of the housing adjacent the front opening thereof for pivotally moving said arms towards each other and for bringing them into line contact and secure engagement with the tapered shank end portion.

2,546,059
METHOD AND APPARATUS FOR PREPARING AND USING SHEET MATERIAL FOR PACKAGING PURPOSES
William S. Cloud, Wilmette, Ill.
Application August 24, 1946, Serial No. 692,878
5 Claims. (Cl. 18—1)



1. An apparatus for packaging articles including means for advancing a sheet of plastic material, means for exerting pressure on successive portions of said sheet in a direction substantially perpendicular to the surface thereof to form a series of container-forming cavities in the sheet, means for depositing articles in the said cavities, means for advancing a second sheet of printed thermoplastic material, means for bringing predetermined parts of said second sheet into registration with the edges of the cavities in said first sheet by variably changing the length thereof throughout the entire width thereof, means effective while maintaining the second sheet unpocketed for causing the portions of the said sheets surrounding the cavities to adhere to one another to seal the articles within the cavities, and means for severing the enclosed articles from the remaining portions of said sheets.

2,546,060
SUSPENSION UNIT FOR OVERHEAD SWINGING DOORS
Alexander C. D'Alfonso, Santa Barbara, Calif.
Application January 18, 1946, Serial No. 642,031
8 Claims. (Cl. 16—163)



1. A suspension unit for an overhead swinging door, adapted to be used in pairs, one at each upper corner of a doorway, said unit comprising an upper plate adapted for securing to the doorway jamb adjacent the upper corner of the door,

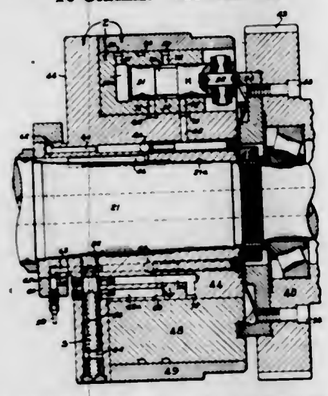
a pair of flat link rods spacedly pivoted at their upper ends at points forwardly and rearwardly respectively to said upper plate and adapted to extend downwardly (when in position with door closed) in substantially the same vertical plane, and a door attaching plate to which the lower ends of said link rods respectively are vertically spacedly pivoted, all pivotal axes adapted to extend parallel to the plane of the door, and the link rod forwardly pivoted to the upper plate being the lowermost pivoted to the door attaching plate and this link rod, when suspending the door in closed position hanging substantially vertically.

2,546,061
SOCKET CONTACT WITH RESILIENT INSERTS
Pierre de Beauvais, Paris, France
Application August 24, 1948, Serial No. 45,902
In France January 19, 1948
9 Claims. (Cl. 173—363)



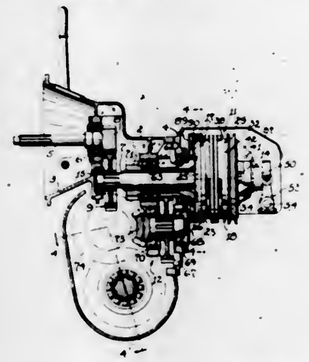
1. A socket for an electric contact plug which comprises a tubular member having a longitudinal slot and a resilient metal leaf including a tail portion clamped in said slot and a plug contacting portion which projects from said tail portion inwardly into the bore of the tubular member and is curved therein to stand, for at least a considerable part thereof from the inner end of said tail portion, in spaced apart relationship with but at a small distance from the inner wall of said tubular member.

2,546,062
TORQUE CONVERTER
Hans Ernst, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 28, 1945, Serial No. 637,720
16 Claims. (Cl. 192—59)



1. A hydraulic coupling for yieldingly connecting a source of power and a load comprising, a rotatable impeller element, a rotatable runner element, a fluid pressure pump in said runner element, a closed hydraulic circuit connected to said pump, a mechanical driving connection between said impeller and said pump, and a fluid resistance serially connected in said circuit to restrict flow of fluid therein to cause said impeller to yieldingly drive said runner comprising a pair of control valves in said runner element, control plungers in said valves disposed for movement radially of the axis of rotation of said impeller, and resilient means to normally urge said plungers toward the axis of rotation of said runner element so that the radial position of said plungers is determined by the rate of rotation of said runner to control the slip in said coupling.

2,546,063
TRANSMISSION
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application May 19, 1948, Serial No. 27,877
2 Claims. (Cl. 192—4)

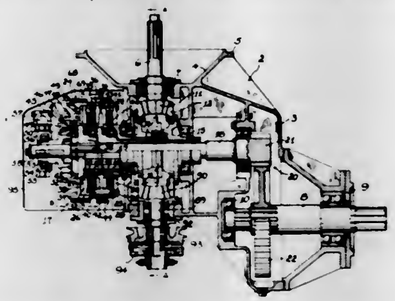


1. In a transmission with a housing, and input and output shafts, coupled with each other by reversible gearing, a countershaft extended through said housing and geared to said input shaft for rotation thereby, a dual clutch structure arranged outwardly of said housing having driving members mounted on said countershaft, two tubular shafts arranged concentrically with respect to each other and said countershaft and mounting driven members of said dual clutch structure, gearing continuously coupling the tubular shafts with each other, and one of said tubular shafts with said output shaft, a brake means for one of said tubular shafts, and means for selectively engaging the driving members of the dual clutch structure with the driven members on either one of the tubular shafts and actuation of the brake means in neutral position of said engaging means.

2,546,064
TRANSMISSION
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application January 2, 1948, Serial No. 105
3 Claims. (Cl. 192—4)

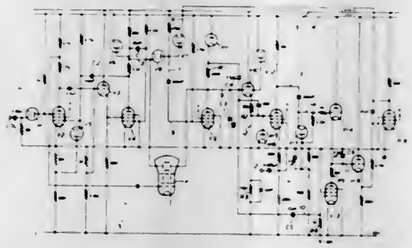
1. In a reversible transmission a driving member, a driven member, two axially aligned, spaced and oppositely arranged bevel gears directly driven in opposite directions by said driving member, dual friction clutch means, an intermediate rotary member geared at its one end to said driven member and mounting on its other end

said dual friction clutch means, shifting means to selectively actuate the clutch members of said dual friction clutch means, and a power take-off shaft arranged between and directly driven by said bevel gears said dual friction clutch means including driving clutch members secured by tubular members to said oppositely rotating



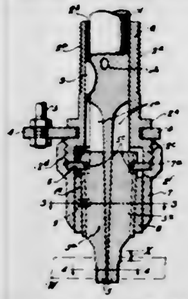
bevel gears and driven clutch members secured to said intermediate rotary member and said dual friction clutch means being adapted to effect rotation of said intermediate rotary member and the driven member geared thereto in the desired direction by selective shifting of the shifting means for said dual friction clutch means.

2,546,065
CATHODE-RAY TUBE TIME BASE
Frank Edward Jex Girling, Malvern, England
Application July 31, 1947, Serial No. 765,199
In Great Britain October 23, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 23, 1965
10 Claims. (Cl. 315—26)



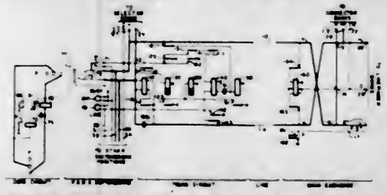
1. A cathode ray tube display system comprising a cathode ray tube, means for producing a slow time-base voltage sweep starting coincident with a recurrent locking front, means for producing a fast time-base voltage sweep of substantially shorter duration than said slow time-base voltage sweep and initiated so as to embrace a repetitive input pulse, potential regulating means for producing a potential that varies when the repetitive input pulses vary their relative time spacings with respect to the start of their complementary fast time base sweeps, and means responsive to the magnitude of said potential to vary the time spacing between the starting instants of the slow and fast sweeps until said potential attains a predetermined value and means for deflecting the electron beam of said cathode ray tube in accordance with the sum of said two time-base voltages.

2,546,066
TAPER TAP
Vernon E. Gleasman and Hollis K. Gleasman, Elmira, N. Y.
Application May 31, 1945, Serial No. 596,874
17 Claims. (Cl. 10—142)



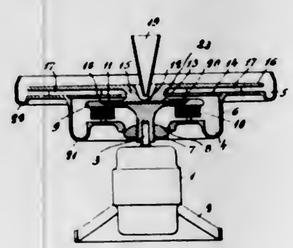
1. A mechanical tap for threading preformed holes in plates or other work, comprising a rotatable shaft having an annular series of longitudinally extending slots therein with bases converging towards the axis of the shaft at its outer end; chasers having extended shanks axially slidable in the said slots respectively and having pipe thread cutting dies on their outer ends adapted to enter the preformed hole in the work; the bases of said slots communicating at the outer end of the shaft; and the contacting faces of the chasers being angularly cut to permit close interfitting at their outer ends beyond the shaft; an axially movable sleeve on said shaft around the shanks in said slots; means connecting the sleeve and shanks for causing simultaneous movement thereof; and means responsive to axial movement of said shanks in said slots for limiting the movement of the sleeve towards the work.

2,546,067
TWO-WAY TELEPHONE TRUNK CIRCUIT
Harlan E. Grimes, Bromley, Ludlow Station, Ky., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 7, 1947, Serial No. 753,210
8 Claims. (Cl. 179—27)



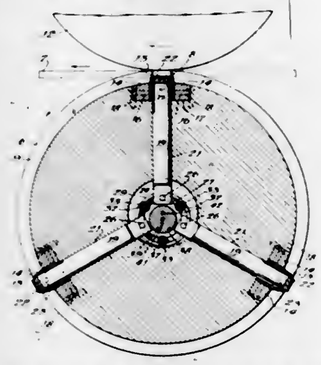
1. In a telephone system, a main exchange and a branch exchange, a two conductor trunk connecting said exchanges, means for seizing said trunk at said branch exchange, a series relay having a high resistance winding connected in series with one conductor of said trunk, a busying relay, a first set of contacts on said series relay operated in response to said seizure for operating said busying relay to busy said trunk at said branch exchange, finder switches in said main exchange having access to said trunk, means in said trunk responsive to said seizure for operating an idle one of said finders to connect with said trunk and to extend the same, a low resistance winding on said series relay, and a second set of contacts on said series relay operated in response to said connection of said one finder to said trunk for connecting said low resistance winding in multiple with said high resistance winding to reduce the resistance included in series with said one conductor of said trunk.

2,546,068
METHOD AND APPARATUS FOR DIVIDING PULVEROUS MATERIAL INTO DESIRED FRACTIONS BY MEANS OF A ROTATING SIFTING MACHINE
Karl-Axel Göran Gustavsson, Enkoping, Sweden
Application July 15, 1948, Serial No. 38,806
In Sweden February 23, 1948
10 Claims. (Cl. 209—145)



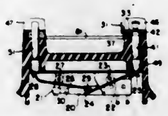
1. In an air separator for grading finely divided material in lights and heavies; the combination of a pair of plate members mounted for rotation about a common axis and disposed parallel to each other and spaced apart to form an annular substantially slit-shaped separation chamber between the plate members, drive means for rotating said plate members, conduit means for admitting air into said chamber along the circumference thereof, guide means rotatable about said rotational axis and included in said conduit means, said guide means including a plurality of guide elements arranged to divide the airflow in a plurality of substantially parallel aircurrents for imparting air flowing through said conduit means, an approximately uniform rotational velocity about said rotational axis approximately equal to the rotational velocity of said plate members about the said axis, suction means communicating with said chamber through a port in one of the plate members near the rotational axis of the latter for producing a spiral flow of air through the chamber toward the rotational axis thereof, the other of said plate members including a circular slit having an inlet port, feed means communicating with said inlet port for delivering material to be graded into said circular slit, the said plate member further including an annular outlet port communicating with the slit therein and the separating chamber for delivering material from the slit into the said chamber, said annular slit outlet being disposed at a radial distance from the rotational axis at which distance the tangential velocity of the air flowing in spirals through the separating chamber corresponds approximately to the rotational velocity of the plate member portions defining the said slit outlet, and a settling chamber encompassing the circumference of the separating chamber for collecting heavies ejected from the separating chamber by centrifugal force, the lights being discharged from the separating chamber through said port thereof near the rotational axis.

2,546,069
EJECTOR MECHANISM FOR CUTTING CYLINDERS
Wallace L. Hart, Chicago, Ill., assignor to Roofing Machinery Mfg. Company, Chicago, Ill., a corporation of Illinois
Application April 28, 1948, Serial No. 23,745
2 Claims. (Cl. 164—28)



1. In an apparatus of the character described, a cutting roll formed with intersecting axial and radial bores, an anchor shaft eccentrically positioned within the axial bore of the cutting roll, a plunger having a cylindrical body portion slidably mounted within the radial bore of the cutting roll, a collector ring concentrically journaled on said anchor shaft, said collector ring comprising two collars formed with opposing concentric annular recesses and with pin receiving apertures, a cross pin provided on the inner end of said plunger and engaged within said annular recesses, connecting pins slidably mounted in said apertures, and compression springs mounted on said connecting pins to yieldably resist parting movement of said collars responsive to rotation of said plunger about its longitudinal axis.

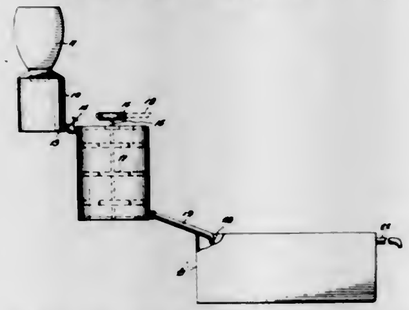
2,546,070
PLUNGER RELEASE LEVER
Oscar W. Henrikson, Chicago, and Robert L. Sargisson, Berwyn, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 26, 1946, Serial No. 699,552
3 Claims. (Cl. 179—164)



1. In a cradle telephone set including a handset, a cradle for said handset, switching springs in said telephone set, a pair of plungers operated by replacement of said handset on said cradle for fully operating said switch springs in one direction, tension in said switch springs urging said plungers upwards in response to the removal of said handset from said cradle, a hand lever rotatably mounted in said cradle, a spring tensioned against said lever to actuate said lever into engagement with one of said plungers, a shoulder on said one plunger for engagement with said lever to hold said one plunger in mid position when said plungers are urged upwards by said switch spring in response to the removal of said

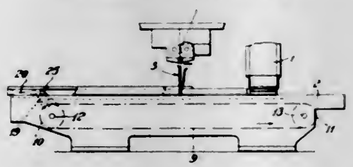
handset from said cradle to thereby permit only a partial operation of said switch springs in the other direction, an extension on said lever manually operative to disengage said lever from said shoulder to release said one plunger to thereby cause said switch springs to move said one plunger upwards from said mid position to its fully operated position and to fully operate said switch springs in said other direction, and a curved notch in said one plunger in its fully operated position engaged by said lever when said lever is manually released for maintaining said one plunger in its fully operated position while said other plunger is manually operated to intermittently and fully operate said switch springs in both said directions.

2,546,071
APPARATUS TO PRODUCE FRESH WATER FROM OCEAN WATER
William A. E. Hult, San Diego, Calif.
Application October 1, 1948, Serial No. 52,333
2 Claims. (Cl. 210—16)



1. In an apparatus for the production of fresh water from sea water including a dispenser for a nitrate adapted to chemically interchange its metal with the sodium of the sea water, a mechanical mixing tank, a valved pipe interconnecting the dispenser and the mixing tank, and a settling tank, of a rifle barrel sluice extending downwardly and at an angle from the mixing tank to the settling tank, said sluice having formed on its inner walls a continuous spiral ridge and a plurality of longitudinally extending corrugations between each of the successive convolutions of the ridge.

2,546,072
ENDLESS CONVEYER
William Joseph Kemp, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application September 3, 1946, Serial No. 694,577
In Great Britain September 13, 1945
4 Claims. (Cl. 198—170)



1. A conveyor of the tip-back type comprising a machine bed on which articles are supported and conveyed, a pair of parallel endless conveyor chains, each having an upper operative run extending parallel with and in contiguous relation to said bed and a lower return run, sprocket gears journalled on said bed and supporting said chains, a spindle carried by and extending between said chains, a pusher piece mounted on said spindle for rotation about the spindle axis, guide means supported by and extending lengthwise of said bed, said guide means being positioned to engage with said pusher piece over a substantial portion of its travel with the operative runs to retain the pusher piece in an operative position in which a portion of said pusher piece extends above said bed to engage and convey articles along said bed, said pusher piece being in unstable equilibrium while in such operative position, said guide means having a length such that engagement of said guide means with said pusher piece terminates as said pusher piece approaches the end of its travel with said operative runs, whereby said pusher piece is rotated by gravity and the pressure exerted by the article away from the article being conveyed to a position below the level of said article, a second spindle carried by and extending between said chains for engaging and limiting rotation of said pusher piece to its inoperative position, said pusher piece being rotated in the reverse direction by gravity on approaching the return runs to a position of stable equilibrium which it occupies in travelling with the return runs.

2,546,073
CUTTING TOOL HANDLE AND BLADE LINKAGE
Martin Kosik, Cleveland, Ohio, assignor of fifty per cent to Adam Meredyk
Application March 11, 1948, Serial No. 14,169
10 Claims. (Cl. 30—252)



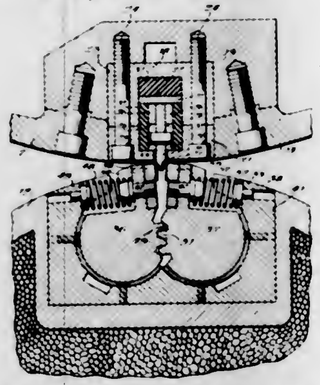
1. A tool comprising first and second jaws, means for pivotally connecting adjacent ends of said jaws together and said jaws terminating at their opposite ends in portions movable into and from engagement with each other, and each of said jaws being provided with a pair of spaced plates arranged between the pivot point of said jaws and its free end, a first handle having at one end a pair of spaced substantially disc-shaped members arranged between the plates of the first jaw, means for pivotally mounting the first handle to the first jaw substantially centrally of said discs, connecting means arranged between the discs of the first handle eccentrically of the first handle pivoting means, a second handle having at one end a pair of substantially disc-shaped members extending between the plates of the second jaw, means for pivotally mounting the second handle to the second jaw substantially through the central portion of its discs, connecting means arranged between the discs of the second handle eccentrically of the second handle pivoting means, and means for moving the portions at the free ends of said jaws away from and toward each other when said handles are rotated on their pivots including a link having one end mounted on the first handle pivoting means and its opposite end secured to the means connecting the discs of the second handle and a second link having one end mounted on the second handle pivoting means and its opposite end secured to the means connecting the discs of the first handle.

2,546,074
TERMINAL CONSTRUCTION FOR FUSES AND THE LIKE
Sigurd I. Lindell, Chicago, Ill., assignor to S & C Electric Company, Chicago, Ill., a corporation of Delaware
Application June 2, 1949, Serial No. 96,652
15 Claims. (Cl. 200—131)



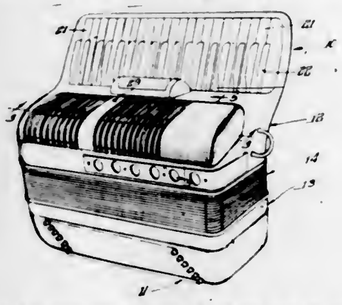
8. In a fuse construction, in combination, a tubular insulating housing, an externally longitudinally knurled inner ferrule extending into one end of said housing with the longitudinal knurling biting into the inner end surface and extending beyond said end thereof, a conductor including a fusible section extending through said housing and electrically connected to said inner ferrule, and an outer ferrule telescoped over said end of said housing, the outer end portion of said outer ferrule being reduced in diameter so that the longitudinal knurling on said inner ferrule bites into the inner surface thereof, the longitudinal knurled portion of said inner ferrule providing intimate electrical and mechanical engagement between it and said outer ferrule and intimate mechanical engagement between it and said housing whereby the electrical resistance at the joint between said inner and outer ferrules is reduced and both ferrules are prevented from turning relative to each other and to said housing.

2,546,075
BLADE AND JAW CONSTRUCTION FOR CYLINDER FOLDING MECHANISMS
Arthur Meadowcroft, Chicago, Ill., assignor to Chicago Rotoprint Company, Chicago, Ill., a corporation of Illinois
Application October 9, 1947, Serial No. 778,846
6 Claims. (Cl. 270—71)



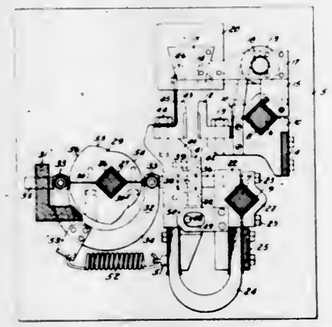
1. In a sheet folding mechanism, a pair of rotatably mounted cylinders having their axes disposed in parallel relation, a pair of jaws mounted on and disposed along the periphery and parallel with the axis of one of said cylinders to grip and fold a sheet of paper insert therebetween, a tucking blade mounted on the other of said cylinders and having a top edge disposed along the periphery and parallel with the axis of its cylinder, the top edge of said tucking blade being formed V-shape to tuck a sheet of paper between said jaws, said tucking blade being mounted along its sides and bottom edge in soft resilient rubber extending along the periphery and parallel with the axis of the tucking blade cylinder, the rubber acting to yieldably resist lateral and inward movement of said blade during engagement of the latter between said jaws.

2,546,076
ACCORDION
Don E. Noble, Chicago, Ill.
Application July 28, 1949, Serial No. 107,343
1 Claim. (Cl. 84—376)



In an accordion having a valve plate provided with valve holes controlled by clappers in response to movement of keys on a keyboard, the combination of a cover and grill member overlying said valve plate and including a freely open grill portion disposed over the valve holes of the upper and intermediate register, and an imperforate cover portion disposed over the valve holes of the lower register and occupying between about one-fifth and one-third of the total area of the valve plate.

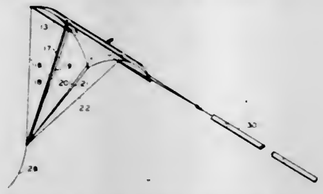
2,546,077
MECHANICALLY OPERATED SWITCH
Charles R. Peter, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 16, 1948, Serial No. 54,938
5 Claims. (Cl. 200—146)



1. An electric switch comprising a frame, a shaft mounted on said frame for rotary movement, a cam mounted on said shaft, a cam follower actuated by said cam and guided in said

frame, a lever having a ball and socket pivotal connection with said cam follower, contacts for said switch comprising fixed main and arcing contacts, a main contact mounted on one end of said lever and an arcing contact mounted on an extension of said end of said lever, resilient means biasing the other end of said lever toward said cam, a lost motion pivotal connection between said frame and said other end of said lever for pivoting said lever on said frame when said switch is open, and means for rotating said cam to cause closure of said switch, whereby said cam follower first causes said lever to pivot about said lost motion connection to cause said arcing contacts to abut at one point and thereafter causes said lever to pivot about said ball and socket connection and said point to cause said arcing contacts to abut simultaneously at said point and at a second point, causes said arcing contacts to rock about said points to cause said main contacts to abut at a third point, and causes said lever to pivot about said ball and socket connection and said third point to cause said main contacts to abut simultaneously at said third point and at another point.

2,546,078
FLEXIBLE KITE
Gertrude Sugden Rogallo and Francis Melvin Rogallo, Hampton, Va.
Application November 23, 1948, Serial No. 61,702
9 Claims. (Cl. 244—153)



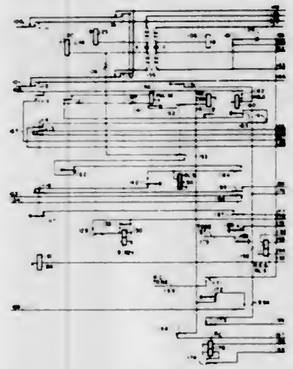
1. In a device of the class described the combination of a body of flexible non-rigid material having a center line extending longitudinally thereof, and comprising wing-like sections extending transversely on either side of said center line, wherein said center line is effected by a crevice at the juncture of said sections and extends longitudinally the length of said body, and a plurality of bridle strings secured to said sections.

2,546,079
FOLDING ICE FISHING ROD
Albert F. Seviola, Minneapolis, Minn.
Application July 19, 1949, Serial No. 105,613
3 Claims. (Cl. 43—18)



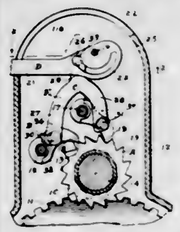
1. In a folding fishing rod, a handle section having a longitudinal chamber therein and a slot extending inwardly from one end thereof, a rod section pivotally mounted within said slot to fold within said chamber, a protective chamber in said handle section, a spear on said rod section adapted to be received in said protective chamber, said protective chamber being in communication with the first mentioned chamber, and means for holding said handle and rod sections in their folded and projected positions.

2,546,080
RELAY AUTOMATIC TELEPHONE SYSTEM
John H. Voss, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 1, 1948, Serial No. 36,312
10 Claims. (Cl. 179—18)



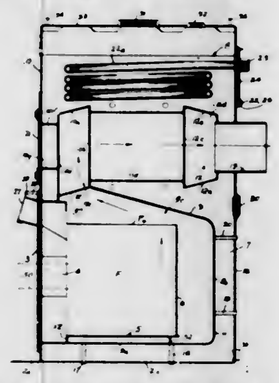
1. In a telephone system, a relay type switch, a first, a second and a third tens relay in said switch, a first group of trunks accessible to said first and second tens relays, a second group of trunks accessible to said third and second tens relays, other tens relays in said switch, other groups of trunks accessible to said other tens relays, trunk preselecting equipment external to said switch for controlling the extension of a call from said switch to a preselected idle trunk in any called one of said trunk groups, an individual conductor connected to each of said tens relays over which said relays are operated to prepare the connection to the preselected trunk in the called trunk group, the conductors individual to said first, second and third tens relays extending to said trunk preselecting equipment and controlled from within said equipment, and the conductors individual to said other tens relays confined wholly within said switch and controlled from within said switch.

2,546,081
HAND BRAKE HOLDING AND RELEASING MECHANISM
Keith Williams, Buffalo, N. Y.
Application February 27, 1946, Serial No. 650,530
8 Claims. (Cl. 188—81.1)



1. In a hand brake mechanism, the combination with a member adapted to be rotated to effect tightening of the brake; of a ratchet wheel rotatable with said member, said wheel having a plurality of ratchet teeth; a pair of pivoted dogs having staggered engagement with the teeth of said ratchet wheel; a swinging lever; and link means operatively connected at its upper end to said lever to be actuated thereby, said link means having a pair of spaced depending arms operatively connected at their lower ends to said dogs respectively.

2,546,082
BOILER
Hother H. Andersen, New York, N. Y., assignor to Atlantic Development Company, Inc., Springfield, Mass., a corporation of Massachusetts
Application July 25, 1946, Serial No. 686,252
5 Claims. (Cl. 122—135)



1. In a boiler unit having a base, a boiler mounted upon said base, a fire box disposed within said boiler and said base, a stack connection disposed at one side of said boiler above said fire box, and a flue section disposed within said boiler in spaced relation with said stack connection and having an opening for the reception of gases from said fire box; the improvement which consists in the provision of a plurality of horizontally spaced gas-conducting flue elements connecting said flue section with said stack connection, each of said flue elements comprising a pair of similar plates each having a pair of oppositely disposed edge portions thereof curved away from one side of the plate and welded to the similarly curved edge portions of its associated plate thereby to form a conduit having the shape of a flattened tube, and the opposing two sides of said tube being corrugated in phase and transversely of the tube length thereby providing a tortuous gas-conducting passageway therethrough.

2,546,083
VULCANIZATION OF RUBBER
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 13, 1948, Serial No. 38,560
9 Claims. (Cl. 260—785)

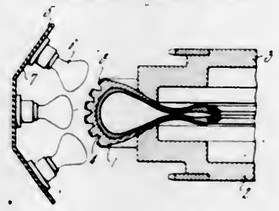
1. A composition vulcanizable in the absence of a combined metal activator comprising 100 parts by weight of rubber, 0.35 to 5 parts of an accelerator from the class consisting of zinc, cupric and lead dialkyl dithiocarbamates, 0.25 to 2 parts of sulfur, and 2 to 15 parts of a thiazyl disulfide.

2,546,084
DETACHABLE SAFETY POCKET FLAP
Elsie L. Berman and Oscar A. Berman, New York, N. Y.
Application January 31, 1949, Serial No. 73,824
6 Claims. (Cl. 2—247)



1. In combination with a garment having a pocket formed thereon and provided with an open top, a detachable flap for said pocket including a single piece of material having a tab formed at one end and a plurality of separate tabs formed at the opposing end, fasteners secured to the inside and outside of the pocket and secured to the garment transversely at the open top of the pocket, and means formed on said tabs for cooperative engagement with said fasteners whereby said tabs may be selectively affixed to the garment and pocket so that the flap overlies the open top of the pocket.

2,546,085
METHOD OF TREATING TIRES
William F. R. Briscoe and Robert B. Plummer, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1948, Serial No. 68,354
7 Claims. (Cl. 18—48)

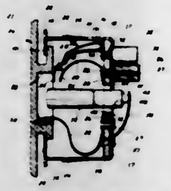


1. The method of treating a vulcanized rubber tire having a grooved design in the tread surface, the rubber in the bottoms of the grooves being in a strained condition, which includes coating the surface of the tread adjacent the grooves with a heat reflecting material, applying radiant heat to the tread surface to release the strains in the rubber at the bottoms of the grooves and thereafter removing the heat reflecting coating.

2,546,086
PLATE PUSH BUTTON
Wilhelm W. Brockway, Los Angeles, Calif.
Application November 3, 1945, Serial No. 626,512
3 Claims. (Cl. 200—167)

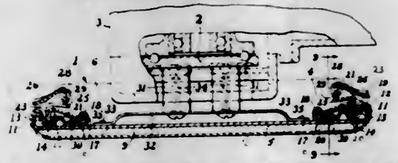
1. A push plate electric switch structure for controlling an electric circuit in a building having a switch box mounted in a wall thereof, comprising: a metallic frame for mounting said structure in said box, said frame having a rear opening and having a front opening defined by lips projecting toward each other from opposite sides of the frame, a base of insulating material mounted in said frame and traversing said rear opening, switch contact members mounted on said base and extending forwardly with their forward ends normally in spaced relationship,

and an integral push plate unit of insulating material including a forward push plate member, a neck portion projecting rearwardly from the central portion of said push plate member and a pair of fingers extending in opposite directions from the rear extremity of said neck portion, generally parallel to and spaced from said push plate member to define spaces in which said lips are respectively received, with the extremities of said push plate member overhanging said lips, one of said switch elements bearing yield-



ingly against the rear side of said push plate unit and urging the same forwardly so that said fingers normally contact said lips, said frame being receivable in said switch box in a position in which said push plate is disposed forwardly of the outer side of the box, and said spaces being of sufficient depth to permit rearward movement of said push plate such as to move the last mentioned contact into engagement with the other contact, said overhanging extremities of said push plate member being engageable with said lips to limit such rearward movement.

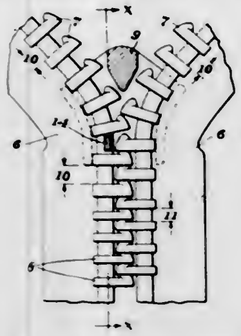
2,546,087
PAD ELEMENT FOR ABRADING MACHINES
Arthur C. Burleigh, Wellesley, Mass.
Application April 11, 1949, Serial No. 86,751
6 Claims. (Cl. 51—189)



1. A pad assembly for an abrading machine comprising a body member of sheet material having each end bent upwardly then backwardly and downwardly to form an inverted U-shaped portion and then bent backwardly and upwardly to provide a concave clamping surface, a pad member secured to the bottom of the body member, an abrasive sheet underlying the pad member and having its ends bent around said U-shaped portions and overlying said clamping surfaces, a clamping member pivotally connected to the body member at each end thereof and having a clamping foot and two pivotally mounted clamp actuators, one for each clamping member, to apply thereto and to the clamping foot, a clamping pressure for clamping the end portion of said sheet against the clamping surface.

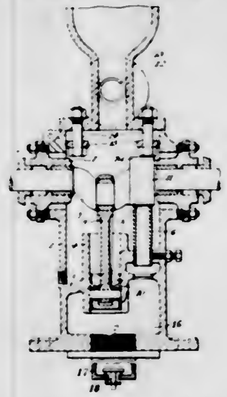
2,546,088
SLIDING CLASP FASTENER
George H. C. Corner, Sutton Coldfield, England, assignor to Lightning Fasteners Limited, a corporation of Great Britain
Application October 22, 1946, Serial No. 704,898
In Great Britain October 15, 1945
4 Claims. (Cl. 24—205.14)

1. A slide fastener comprising a pair of stringers having fastener elements thereon and a slider movable lengthwise of said stringers for engaging and disengaging the fastener elements to close or open said fastener, said slider having locking means thereon normally projected to locking position, a pull tab on said slider for moving the latter to and from open and closed positions, said pull tab being operatively connected to said locking means to hold the same in non-locking position when said slider is moved by means of



said tab, the fastener elements over a length of said stringers cooperating with said locking means to permit the slider to be locked in a number of positions over said length when the slider is positioned thereover and the pull tab released, the fastener elements over another length of the stringers being so formed and positioned as to render said locking means ineffective when the slider is positioned thereover and the pull tab is released.

2,546,089
PUMPING APPARATUS
Eric Crewdson, Kendal, England, assignor to Gilbert Gilkes and Gordon Limited, Kendal, England
Application December 20, 1946, Serial No. 717,561
In Great Britain February 11, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1959
2 Claims. (Cl. 103—1)



1. Pumping apparatus of the kind in which there is provided a piston operating in a chamber connected to a suction pipe furnished with a foot or non-return valve at a point remote from the chamber in such manner as to produce compression waves in the liquid, comprising a pipe

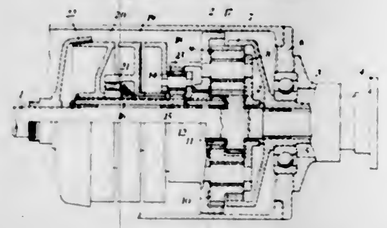
leading to the liquid supply, a foot valve at one end of the pipe, a chamber at the other end of the pipe, an outlet for liquid freely communicating with the chamber, a compressor cylinder in the chamber, a piston adapted for reciprocation in the compressor cylinder, a crankshaft adapted to impart reciprocating motion to the piston and a cam on the crankshaft, the surface of which in the rotation of the cam, operates to secure a variation in the degree of throttling of the outlet without securing the complete obturation thereof.

2,546,090
TIMER MOUNTING
Rex C. Darnell, Dexter, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application January 13, 1948, Serial No. 1,934
6 Claims. (Cl. 58—21.13)



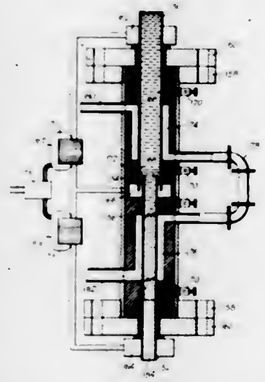
1. A timer adapted to be mounted on a panel having an aperture, said timer comprising a housing, a timing mechanism in said housing including an arbor projecting from the front face of said housing and adapted to project through said aperture, a bell fixed to the front face of said housing having a skirt projecting rearwardly along and surrounding said housing, the rear of said housing being exposed to facilitate the mounting of suitable signal mechanism, a bell hammer controlled by said timing mechanism and adapted to strike the skirt of said bell, said bell having an opening opposite the front face of said housing and said arbor projecting through said opening, and fastening means adapted to project through said aperture and secure said bell to said panel.

2,546,091
EPICYCLIC POWER TRANSMISSION MECHANISM
Edgar Joseph de Normanville, Berkhampstead, England
Application March 12, 1948, Serial No. 14,553
In Great Britain March 20, 1947
4 Claims. (Cl. 74—758)



1. Variable speed power transmission mechanism comprising a principal epicyclic gear train including a driving sun pinion, a reaction sun pinion arranged coaxially with the driving sun pinion, a rotatable planet pinion carrier, at least one pair of interengaging planet pinions mounted on the carrier and respectively engaging the driving and reaction sun pinions, and a driven annulus engaging the planet pinion which also engages the driving sun pinion, a secondary epicyclic gear train including a third sun pinion arranged coaxially with the sun pinions of the first train, a second annulus rigid with the planet pinion carrier of the first train, a second planet pinion carrier rigid with the reaction sun pinion of the first train, and at least one planet pinion mounted on the second carrier and engaging the third sun pinion and second annulus, brakable members which together with the secondary epicyclic gear train form means for controlling rotation of the reaction sun pinion, and a unidirectional coupling through which one of the brakable members is connected to the reaction sun pinion by way of the third sun pinion, the associated planet pinion, and the second planet pinion carrier.

2,546,092
METHOD AND APPARATUS FOR MANUFACTURING ICE
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application May 16, 1945, Serial No. 593,983
16 Claims. (Cl. 62—172)

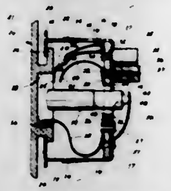


1. In the art of congealing liquids, the steps of, congealing a plurality of similarly shaped thin bodies at a temperature below the congealing temperature, supplying heat to the congealing surfaces at the edges of the thin bodies thereby to limit the sizes of the thin bodies, freeing the thin bodies and moving the thin bodies into face-to-face contact relationship by the action of gravity with the interstices between the thin bodies filled with the liquid while maintaining the internal portions of the thin bodies in a sub-cooled condition, whereby the thin bodies regelate together by congealing the liquid between the thin bodies by virtue of the internal sub-cooled condition of the thin bodies.

2,546,093
FIELD STRENGTH METER
Roswell W. Gilbert, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 30, 1946, Serial No. 706,676
4 Claims. (Cl. 171—95)

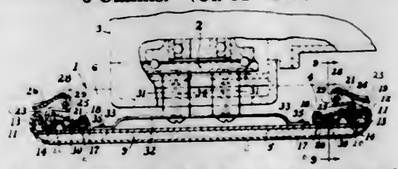
1. In an instrument of the class described; a probe adapted for capacitative coupling to a measured circuit, said probe comprising an elongated double coil choke, a pair of rectifiers supported at the upper end of said choke, and a

and an integral push plate unit of insulating material including a forward push plate member, a neck portion projecting rearwardly from the central portion of said push plate member and a pair of fingers extending in opposite directions from the rear extremity of said neck portion, generally parallel to and spaced from said push plate member to define spaces in which said lips are respectively received, with the extremities of said push plate member overhanging said lips, one of said switch elements bearing yield-



ingly against the rear side of said push plate unit and urging the same forwardly so that said fingers normally contact said lips, said frame being receivable in said switch box in a position in which said push plate is disposed forwardly of the outer side of the box, and said spaces being of sufficient depth to permit rearward movement of said push plate such as to move the last mentioned contact into engagement with the other contact, said overhanging extremities of said push plate member being engageable with said lips to limit such rearward movement.

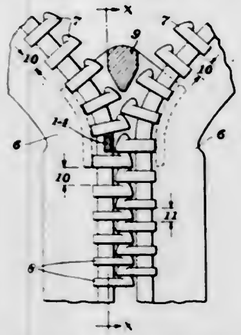
2,546,087
PAD ELEMENT FOR ABRADING MACHINES
Arthur C. Burleigh, Wellesley, Mass.
Application April 11, 1949, Serial No. 86,751
6 Claims. (Cl. 51—189)



1. A pad assembly for an abrading machine comprising a body member of sheet material having each end bent upwardly then backwardly and downwardly to form an inverted U-shaped portion and then bent backwardly and upwardly to provide a concave clamping surface, a pad member secured to the bottom of the body member, an abrasive sheet underlying the pad member and having its ends bent around said U-shaped portions and overlying said clamping surfaces, a clamping member pivotally connected to the body member at each end thereof and having a clamping foot and two pivotally mounted clamp actuators, one for each clamping member, to apply thereto and to the clamping foot, a clamping pressure for clamping the end portion of said sheet against the clamping surface.

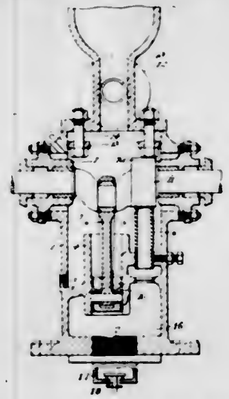
2,546,088
SLIDING CLASP FASTENER
George H. C. Corner, Sutton Coldfield, England, assignor to Lightning Fasteners Limited, a corporation of Great Britain
Application October 22, 1946, Serial No. 704,898
In Great Britain October 15, 1945
4 Claims. (Cl. 24—205.14)

1. A slide fastener comprising a pair of stringers having fastener elements thereon and a slider movable lengthwise of said stringers for engaging and disengaging the fastener elements to close or open said fastener, said slider having locking means thereon normally projected to locking position, a pull tab on said slider for moving the latter to and from open and closed positions, said pull tab being operatively connected to said locking means to hold the same in non-locking position when said slider is moved by means of



said tab, the fastener elements over a length of said stringers cooperating with said locking means to permit the slider to be locked in a number of positions over said length when the slider is positioned thereover and the pull tab released, the fastener elements over another length of the stringers being so formed and positioned as to render said locking means ineffective when the slider is positioned thereover and the pull tab is released.

2,546,089
PUMPING APPARATUS
Eric Crewdson, Kendal, England, assignor to Gilbert Gilkes and Gordon Limited, Kendal, England
Application December 20, 1946, Serial No. 717,561
In Great Britain February 11, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1959
2 Claims. (Cl. 103—1)



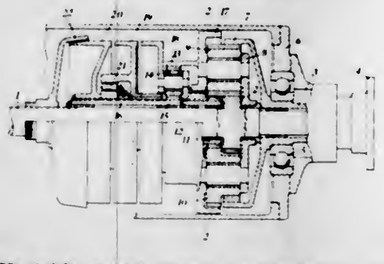
1. Pumping apparatus of the kind in which there is provided a piston operating in a chamber connected to a suction pipe furnished with a foot or non-return valve at a point remote from the chamber in such manner as to produce compression waves in the liquid, comprising a pipe leading to the liquid supply, a foot valve at one end of the pipe, a chamber at the other end of the pipe, an outlet for liquid freely communicating with the chamber, a compressor cylinder in the chamber, a piston adapted for reciprocation in the compressor cylinder, a crankshaft adapted to impart reciprocating motion to the piston and a cam on the crankshaft, the surface of which in the rotation of the cam, operates to secure a variation in the degree of throttling of the outlet without securing the complete obturation thereof.

2,546,090
TIMER MOUNTING
Rex C. Darnell, Dexter, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application January 13, 1948, Serial No. 1,934
6 Claims. (Cl. 58—21.13)



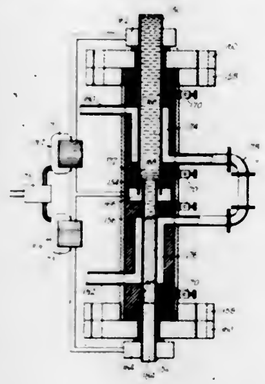
1. A timer adapted to be mounted on a panel having an aperture, said timer comprising a housing, a timing mechanism in said housing including an arbor projecting from the front face of said housing and adapted to project through said aperture, a bell fixed to the front face of said housing having a skirt projecting rearwardly along and surrounding said housing, the rear of said housing being exposed to facilitate the mounting of suitable signal mechanism, a bell hammer controlled by said timing mechanism and adapted to strike the skirt of said bell, said bell having an opening opposite the front face of said housing and said arbor projecting through said opening, and fastening means adapted to project through said aperture and secure said bell to said panel.

2,546,091
EPICYCLIC POWER TRANSMISSION MECHANISM
Edgar Joseph de Normanville, Berkhampstead, England
Application March 12, 1948, Serial No. 14,553
In Great Britain March 20, 1947
4 Claims. (Cl. 74—758)



1. Variable speed power transmission mechanism comprising a principal epicyclic gear train including a driving sun pinion, a reaction sun pinion arranged coaxially with the driving sun pinion, a rotatable planet pinion carrier, at least one pair of interengaging planet pinions mounted on the carrier and respectively engaging the driving and reaction sun pinions, and a driven annulus engaging the planet pinion which also engages the driving sun pinion, a secondary epicyclic gear train including a third sun pinion arranged coaxially with the sun pinions of the first train, a second annulus rigid with the planet pinion carrier of the first train, a second planet pinion carrier rigid with the reaction sun pinion of the first train, and at least one planet pinion mounted on the second carrier and engaging the third sun pinion and second annulus, brakable members which together with the secondary epicyclic gear train form means for controlling rotation of the reaction sun pinion, and a unidirectional coupling through which one of the brakable members is connected to the reaction sun pinion by way of the third sun pinion, the associated planet pinion, and the second planet pinion carrier.

2,546,092
METHOD AND APPARATUS FOR MANUFACTURING ICE
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application May 16, 1945, Serial No. 593,983
16 Claims. (Cl. 62—172)



1. In the art of congealing liquids, the steps of, congealing a plurality of similarly shaped thin bodies at a temperature below the congealing temperature, supplying heat to the congealing surfaces at the edges of the thin bodies thereby to limit the sizes of the thin bodies, freeing the thin bodies and moving the thin bodies into face-to-face contact relationship by the action of gravity with the interstices between the thin bodies filled with the liquid while maintaining the internal portions of the thin bodies in a sub-cooled condition, whereby the thin bodies regelate together by congealing the liquid between the thin bodies by virtue of the internal sub-cooled condition of the thin bodies.

2,546,093
FIELD STRENGTH METER
Roswell W. Gilbert, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 30, 1946, Serial No. 706,676
4 Claims. (Cl. 171—95)

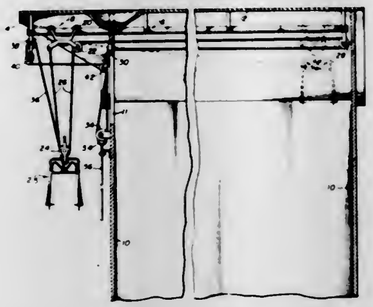
1. In an instrument of the class described; a probe adapted for capacitative coupling to a measured circuit, said probe comprising an elongated double coil choke, a pair of rectifiers supported at the upper end of said choke, and a

conductive plate supported above said rectifiers and which constitutes one electrode of the coupling, each said rectifier being connected between said plate and the upper end of one of said choke coils; a support of insulating material for said probe, said support including an upper housing



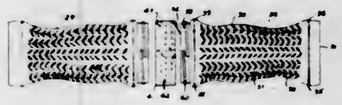
and a lower handle portion; a current indicating device within said housing; and means detachably connecting said probe to said housing, the lower ends of said choke coils being electrically connected to said current indicating device through said detachable connecting means.

2,546,094
HAY HANDLING APPARATUS
Sherman Goad, Indianapolis, Ind.
Application September 17, 1948, Serial No. 49,821
2 Claims. (Cl. 212—91)



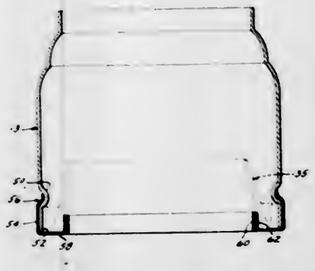
1. Hay handling apparatus including a track with a trolley thereon, a windlass having a pair of winding drums, a clutch for selectively engaging said drums with a driving element in said windlass, a hay fork, a cable having one end connected to said trolley and entrained through pulleys on said hay fork, trolley, and on one end of said track, the other end of said cable being secured to one of said drums, a trip rope operatively connected to the hay fork at one end and entrained through a pulley on the other end of said track, the other end of said trip rope being connected to the other drum, and a brake for said one drum, both drums being free to rotate when not engaged by said clutch.

2,546,095
FOOT MASSAGER
Walter Gustlin, Laguna Beach, Calif.
Application September 24, 1948, Serial No. 50,920
2 Claims. (Cl. 128—57)



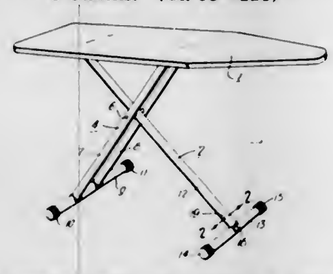
2. A rollable, hollow foot massager of cylindrical contour, comprising a tread surface having a plurality of longitudinal ribs, the surface of each rib being provided with two groups of small parallel straight welts, the groups being arranged on the rib in herring-bone formation, each rib terminating short of the depressed area defining adjacent ribs, and an annular roller surface at each end and at the middle of the massager, said roller surfaces being of larger diameter than the tread surface and capable of bearing simultaneously on a flat surface.

2,546,096
CONSTRUCTION OF FLEXIBLE PIPE COUPLINGS
George F. Hauf, River Forest, Ill., assignor to Chicago Metal Mfg. Co., Chicago, Ill., a corporation of Illinois
Application September 25, 1946, Serial No. 699,214
1 Claim. (Cl. 285—196)



The combination with male and female pipe members constructed of thin sheet metal of an enlarged cylindrical collar member secured to the end of said female pipe member, said collar member being constructed of thin sheet metal and having an open circular end, an inwardly turned circular ridge formed therein adjacent to and parallel with said open end, a circular U-shaped cap telescopically mounted over the open end of said collar member and fastened thereto by having the edge of one of its legs turned down into the groove formed by said inwardly turned circular ridge, said cap having a front wall and its other leg formed by a circular inwardly extending portion, said portion having a turned-back flange to reinforce the same and a resilient V-shaped gasket mounted in and against the inner surface of said collar member and having one leg positioned between said circular ridge and the front wall portion of said cap, said gasket having a portion seated against said front wall portion and a portion seated against the inwardly extending lip portion whereby the apex of the gasket is provided with a seat on three sides.

2,546,097
SELF-LEVELING SUPPORT FOR IRONING TABLES
Henry F. Hild, Merion Park, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 6, 1950, Serial No. 147,992
8 Claims. (Cl. 38—114)



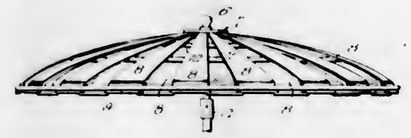
1. An ironing table comprising a table top, a first support connected to said top and constructed to provide two points of support rigidly interconnected and maintained parallel to the plane of the table top when the latter is in its operative position, a second support connected to said table top and having its lower end portion disposed at an acute angle to a supporting surface when the table is in its operative position, a foot member providing two points of support rigidly interconnected transversely of said second support, and means connecting said foot member to said lower end portion of said second support for swivel movement of said foot member about an axis extending lengthwise of the lower end portion of said second support, whereby said foot member upon engaging the supporting surface can adjust itself to any unevenness therein by movement of its points of support out of parallel relation with respect to the plane of the table top.

2,546,098
QUICK-ACTING CLAMP
Howard D. Houghton, West Los Angeles, and Theodore A. Woolsey, Pasadena, Calif., assignors to Marman Products Company, Inc., Inglewood, Calif.
Application March 20, 1946, Serial No. 655,648
5 Claims. (Cl. 24—19)



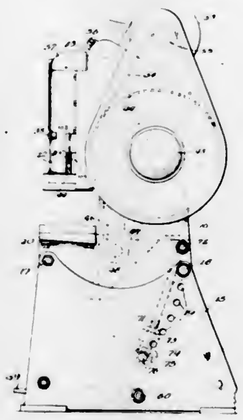
1. A quick acting clamp comprising: a flexible band adapted to encircle an element to be clamped; a loop formed on a first end of said band provided with an opening therethrough normal to the axis of said loop; a T-shaped link having its head disposed in said loop and its shank extending through said opening; a channel shaped link pivotally connected at one end to the free end of said first mentioned link and provided with hook formations in the side walls of the channel adjacent to the other end thereof; a loop formed on the second end of said band; and a cylindrical pin mounted in said loop and extending laterally beyond said loop on both sides thereof; the hook formations on said channel shaped link being adapted to engage the laterally extending portions of said pin.

2,546,099
UMBRELLA
George C. Jamison, Goodyear, and Harley A. Wagg, Phoenix, Ariz.; said Jamison assignor to said Wagg
Application August 12, 1946, Serial No. 689,870
3 Claims. (Cl. 108—3)



2. An umbrella comprising a hub consisting of an upper and lower plate formed with an annular groove therebetween, a set of fan-shaped vanes having their smaller ends secured in the annular groove between said plates, a second set of fan-shaped vanes disposed below and in spaced and staggered relation to the first named set and having their smaller ends secured in said annular groove, means for maintaining said vanes in spaced and staggered relation whereby air may freely circulate therebetween, and means for connecting the outer ends of said vanes together.

2,546,100
METALWORKING POWER PRESS
Einar K. Johansen, Oak Park, and Rudolph W. Glasner, Chicago, Ill., assignors to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application February 14, 1944, Serial No. 522,360
2 Claims. (Cl. 113—38)



1. In a metal working power press, a frame mounted on a base, a work supporting bed, a reciprocable slide, a die carried by the slide and

cooperating with an alined die carried by said bed, a guide for the slide, a driving shaft, an operative connection between the shaft and said slide for reciprocating the latter, means whereby the slide and bed may be inclined with respect to the base, said connection embodying a lever, a fulcrum link for the lever separate from said frame, a pivotal connection between the lever and said fulcrum link, and means forming a rocking connection between the fulcrum link and said frame remote from said bed, whereby the slide, the guide and the work supporting bed will be maintained in proper working alinement under all stresses of the slide upon the work and in any position of the slide and bed with respect to said frame.

2,546,101
METHOD OF ENSILING VEGETABLE PRODUCTS
Kornelis Pleunis Kalis, Voorburg, Netherlands, assignor of one-half to N. V. Matepa, Maatschappij tot Exploiteeren van Octrooien en Licenties, 's-Hertogenbosch, the Netherlands, a corporation of the Netherlands
No Drawing. Application December 27, 1948, Serial No. 67,580. In the Netherlands January 2, 1948
2 Claims. (Cl. 99—8)

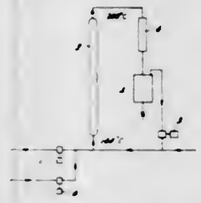
1. A method of ensiling vegetable products, which comprises maintaining the said products completely submerged in an acid liquid in a silo during the period immediately after filling of the latter and while the products have not yet settled, and periodically pumping out said acid liquid in order to give the vegetable products present in the silo an opportunity to settle solely by their own weight.

2,546,102
BUFFER
Jerome H. Le Rette, Palos Heights, Ill.
Application December 30, 1948, Serial No. 68,262
2 Claims. (Cl. 51—193)



1. A buffer comprising a circular pad consisting of individual unitary flexible fabric sheets having a central opening and having notches formed in their peripheral portions to provide fingers with flexing spaces therebetween, said fingers being aligned transversely whereby said flexing spaces therebetween provide escape channels for material removed, and stitching uniting said sheets into a pad with said sheet fingers aligned, said stitching consisting of threads forming rows of stitches extending across said sheets in opposite directions and also extending through said finger portions of the sheets, said stitches at the points of junction between said fingers and the body of the buffer providing pivots for the movable flexing of said fingers thereon.

2,546,103
PROCESS OF MANUFACTURING HEXITOLS BY CATALYTIC REDUCTION OF CARBOHYDRATES
Jan Loikema, Hoogezand, Hendrik Adriaan van Westen, Amsterdam, and Johannes Cornelis Vlugter, Overveen, Netherlands, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands, a corporation of the Netherlands
Application April 21, 1947, Serial No. 742,954
In the Netherlands January 30, 1942
4 Claims. (Cl. 260—635)



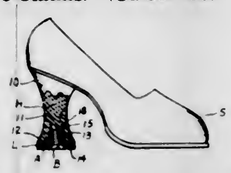
1. A process of manufacturing polyhydric alcohols substantially consisting of sorbitol by liquid phase continuous catalytic reduction of mixtures of glucose and polymers of glucose obtained by hydrolysis of starch, which comprises first heating said mixture in the presence of hydrogen and a hydrogenating catalyst at superatmospheric pressure to a temperature not exceeding 160° C., until at least the bulk of the glucose is reduced, and thereafter converting the polymers of glucose into sorbitol by continuing the hydrogenating treatment at a temperature above 180° C., but not so high as to effect splitting of the carbon-carbon bond, and stopping the hydrogenating treatment when said polymers of glucose have been reduced to sorbitol.

2,546,104
FOOD WARMER
James MacGregor, Pittsburgh, Pa.
Application May 3, 1947, Serial No. 745,887
2 Claims. (Cl. 126—377)



1. A food warmer of sheet material having a flat annular portion to support the warmer on the edge of a pan, the sheet being bent downwardly along the inner diameter of the flat portion to form the outer walls of compartments adapted to extend down into the pan, said sheet being bent laterally towards the center of the warmer to form the bottoms of said compartments, and upwardly to form the inner walls of said compartments, the portion of the sheet forming the bottoms also being bent upwardly from the bottoms along radii of the warmer and then downwardly to the bottoms to form side walls for said compartments extending between said inner and outer walls, the inner walls also being spaced to define an aperture through which articles may be placed in the pan.

2,546,105
DETACHABLE TOP LIFT
Michael P. McCarron and James F. McCarron, Los Angeles, Calif.
Application August 20, 1949, Serial No. 111,398
3 Claims. (Cl. 36—42)



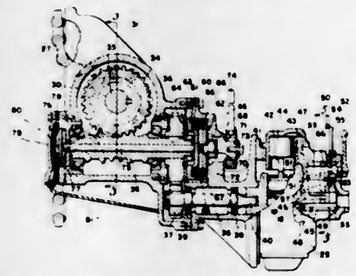
1. An anchor sleeve for use in detachably securing the anchor screw of a top lift in a circular screw receiving recess in the lower portion of the high heel of a woman's shoe, said anchor sleeve comprising a hollow metal tube of circular cross section and of less height than the heel; internal threads in said tube for engaging the threads of the anchor screw and two or more upstanding, elongated, sharply pointed prongs integral with and in extension of the rim of said tube and spaced therearound, said prongs being adapted to penetrate the material of said heel at the closed end of said recess to maintain the sleeve against withdrawal therefrom or rotation therein.

2,546,106
APPARATUS FOR REGULATING HIGH VOLTAGE
Kenneth G. Morrison, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 11, 1949, Serial No. 75,911
3 Claims. (Cl. 323—22)



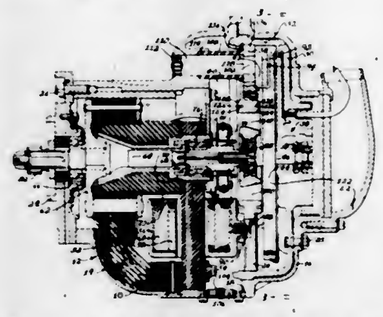
1. In a high-voltage regulating network of the radio-frequency coupled type wherein part of the apparatus is maintained at a low potential, the combination comprising a losser tube connected in series with a load across a source of voltage to be regulated, a resistor bank across said load for obtaining a sample of the voltage thereacross, a standard voltage source, a comparison circuit comparing the output of said standard voltage source with the voltage across said resistor bank for producing a differential voltage, a source of radio-frequency voltage, a buffer amplifier having a control electrode connected to said radio-frequency voltage source and thereby amplifying said radio-frequency voltage, a modulator tube having a control electrode and having an output connected to said buffer amplifier and modulating the amplified radio-frequency output thereof, a direct coupled amplifier having its output applied to the control electrode of said modulator, said direct coupled amplifier having control means, and means impressing upon said control means the differential voltage from said comparison circuit, whereby said differential voltage is amplified and impressed on said radio-frequency voltage by said modulator, and a rectifier unit connected between said buffer amplifier and the grid of said losser tube for demodulating said modulated radio-frequency voltage and applying the resulting varying unidirectional voltage to the control grid of said losser tube for controlling the internal impedance thereof, and counteracting variations in said load voltage.

2,546,107
FEEDING DEVICE FOR ROCK DRILLS
William A. Morrison, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of of New Jersey
Application August 14, 1948, Serial No. 44,249
3 Claims. (Cl. 255—45)



1. In a rock drill feeding device, the combination of a guide member and a rock drill slidable thereon, a flexible member on the guide member connected to the rock drill, a motor for driving the flexible member to lift the rock drill along the guide member for retracting the rock drill from a drill hole, a gear train for transmitting motion from the motor to the flexible member, a brake for the gear train frictionally engaging one of the gears of said train to control the descending movement of the rock drill along the guide member, fluid actuated means for actuating the brake, and a valve for controlling the supply of pressure fluid to the motor and to the fluid actuated means.

2,546,108
ELECTRICAL IGNITION DEVICE
Paul T. Nims, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 15, 1946, Serial No. 676,891
10 Claims. (Cl. 171—209)



1. In an electrical ignition device including current generating mechanism and high tension current distributing mechanism; a housing enclosing said mechanisms, a partition dividing said housing into a chamber containing said generating mechanism and a second chamber containing

said distributing mechanism, a fresh air inlet port connecting said generating chamber with the exterior of said housing, a contaminated air outlet port connecting said distributing mechanism chamber with the exterior of said housing air propeller means within said distributor chamber for centrifugally acting upon the contaminated air therein whereby to expel said contaminated air through said outlet port and facilitate the flow of replacing air from said generator chamber into distributor chamber and of fresh air into said generator chamber and an air transfer port in said partition at a lesser radial distance from the axis of rotation of said propeller than said outlet port.

2,546,109
SEAT COVER
Alex Puchalsky, Chicago, Ill.
Application November 5, 1949, Serial No. 125,695
1 Claim. (Cl. 155—182)



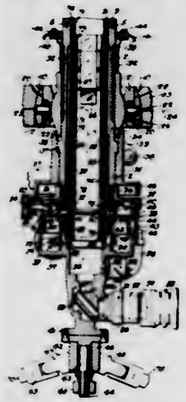
A cover made of a material to overlie and cover a part of a member having a seat part to support the body of a person, a flexible thin extension on the separate peripheral edge of each end and the front of the cover to project from the seat part, pressure sensitive adhesive material on the underside of each separate extension to stick the extension to a part of the member adjacent the seat part to hold the cover in position on the seat part, and thin flexible strip material overlying the adhesive material on each extension to protect said adhesive material, said latter strip being adapted to be removed from the adhesive material to bare the adhesive material for application to a part of said member.

2,546,110
AUTOMATIC CALIPER
Harvey Puterbaugh, Kokomo, Ind.
Application November 18, 1947, Serial No. 786,704
3 Claims. (Cl. 33—169)



3. In a lathe having a head and tail stock for rotatably holding a work article therebetween, a caliper gauge comprising a plurality of supporting brackets detachably mounted on the lathe bed and having upstanding portions, frame members carried by said brackets, a graduated guideway detachably mounted on said frame members, a body member slidably received on said guideway and having a means for retaining the same longitudinally adjusted on said guideway, said body member having a substantially horizontal opening therein disposed transversely of said guideway, a holder slidably received in said opening and having a scale thereon, means adjustably carried by said body member for retaining the holder in a longitudinally adjusted position, a support rising from said holder, a resilient finger carried by said support and adapted to be disposed in a substantially horizontal position after the work article has been cut a predetermined amount, said finger resting tangentially upon the surface of the work article before a finished cut has been made thereon and being distorted, and a pointer adjustably carried by said body member for cooperating with said scale.

2,546,111
PANORAMIC SIGHT
George Rattray, Mineola, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application June 13, 1946, Serial No. 676,527
11 Claims. (Cl. 88—70)

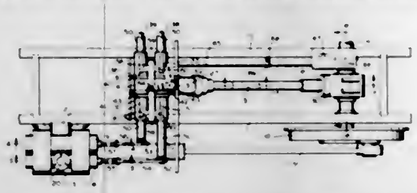


1. In a panoramic telescope, upper and lower tube sections interconnected in end-to-end relation for relative rotation about their common axis only, an entrance prism carried by the upper end of said upper section for pivotal movement about a normally horizontal axis, and deflecting rays incident thereon 90° along the axis of said sections, a housing carried by the lower end of said lower section, first and second sleeves within said lower section coaxial therewith, an indicator dial in said housing and fixed to the lower end of said first sleeve concentric of said common axis, first manually operable means carried by said housing and connected to rotate said indicator and thereby said first sleeve, second manually operable means carried in said housing to axially translate said second sleeve and including an internally threaded third sleeve rotatably mounted coaxially of said tube sections by and between said housing and dial, a positive driving connection between said first sleeve and upper tube section, a push rod translatable on and along said upper section and engaging the square-cut upper end of said second sleeve, and means operated by said rod to rotate said prism in response to translation of said second sleeve and second manually operable means carried by said housing and operable to rotate said third sleeve and thereby pivot said entrance prism about its normally horizontal axis.

2,546,112
STEAM DISTRIBUTING SYSTEM FOR LOCOMOTIVES
John T. Snoren, St. Paul, Minn.
Application September 16, 1946, Serial No. 697,180
8 Claims. (Cl. 121—124)

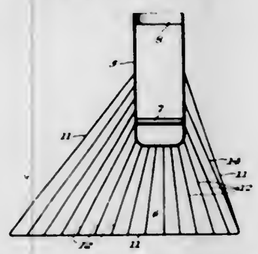
1. A steam control for locomotives including a pair of cylinders positioned adjacent the main

locomotive cylinders, one of said pair of cylinders acting as the intake steam cylinder for the intake valves and the other pair of said cylinders acting as the exhaust cylinder for the exhaust valves, steam saddles connecting said pair of cylinders with the said main cylinder, piston valves in each of said pair of cylinders adapted to reciprocate therein, a transmission having parallelly disposed shafts one of which acts as the intake valve operating means and the other acting as the exhaust valve operating means includ-



ing an enlarged cylindrical portion formed centrally on each of said parallelly disposed shafts, helical grooves formed in each of said enlarged cylindrical portions, a sleeve adapted to slide on each of said cylindrical portions, studs formed in each of said sleeves adapted to engage with said helical grooves, a groove formed longitudinally on the outer surface of said sleeve, finger means slidably positioned within said longitudinally formed grooves, means for moving said finger means in said longitudinal grooves to rotate said parallelly disposed shafts.

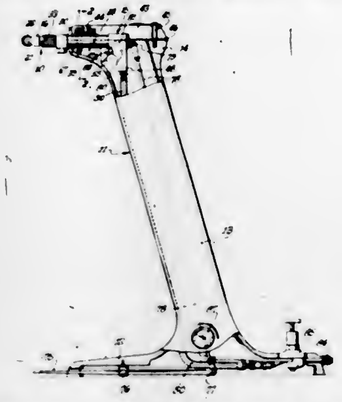
2,546,113
ARM SCOOP
Clarence Everette Spang, Butler, Pa.
Application May 2, 1947, Serial No. 745,381
1 Claim. (Cl. 294—1)



An arm scoop comprising a handle, a hand grip on the handle, an arm brace on the handle and spaced from the hand grip, and a generally triangularly-shaped scoop body secured to the portion of the handle nearest the hand grip, the greater portion of the scoop body lying on one side of a line drawn through the longitudinal axis of the handle.

2,546,114
PNEUMATIC DIE STAMPING MACHINE
Tom A. Triplett, Burbank, and Clarence Kirk Greene, North Hollywood, Calif., assignors to Triplett & Barton Inc., Burbank, Calif., a corporation of California
Application August 28, 1944, Serial No. 551,458
5 Claims. (Cl. 101—4)

3. A stamping machine comprising a support, hammer mechanism mounted thereon and including a body, a striking element movable in the body and means for actuating the striking element, a stamping head operatively connected to the body in a position to receive the impact of the striking element, and spring means having a portion connected to the body and another portion connected to the head against movement

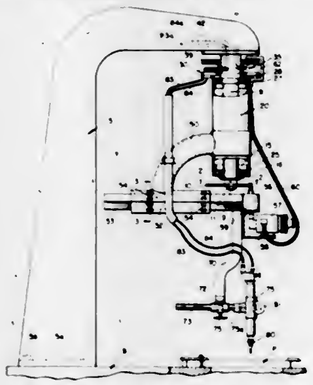


relative thereto, for securing the head to the body, said spring means being yieldable in the direction of impact of the striking element against the head and being pre-loaded to prevent rebound of the head.

2,546,115
METHOD FOR MANUFACTURING INCANDESCENT MANTLES
William Walter Ulmer, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 22, 1949, Serial No. 89,148
7 Claims. (Cl. 67—100)

1. The process of manufacturing incandescent mantles wherein the fibers of carbonizable material of which the mantle is formed is treated with a composition containing glyoxal for the purpose of reducing shrinkage upon combustion.

2,546,116
SHAPE CUTTING MACHINE
Harold W. West and Lloyd R. West, South Gate, Calif.
Application April 10, 1948, Serial No. 20,338
5 Claims. (Cl. 266—23)



2. A shape cutting machine comprising a support, a mandrel fixedly carried by and depending

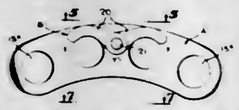
axially from the support, a template retainer on the mandrel, a rotatable tracer member, an electric motor for driving the tracer member, a fuel nozzle, support means rotatably mounted on the mandrel to support the tracer member, motor and nozzle for movement relative thereto in a plane normal to the axis of the mandrel, and means for supplying fuel to the nozzle and electricity to the motor, comprising a brush ring fixedly carried by the mandrel, a brush carried by the support means and having electrical connection with the rings and with the motor, a pair of companion header plates having a fuel channel in their opposed faces, one of the plates being fixed to the mandrel and the other of the plates being mounted to rotate on the mandrel, fuel communicating means communicating through the latter plate from the channel to the nozzle, fuel support means communicating through the fixed plate with the channel, and means conductively connecting the ring with an electrical source.

2,546,117
HEAD COVERING
Lydia Whelan, Jersey City, N. J.
Application December 2, 1948, Serial No. 63,057
1 Claim. (Cl. 2—174)



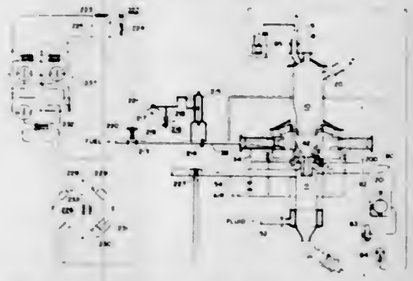
A head covering comprising two oppositely disposed flat side pieces having a curved rear edge continuing into a curved top edge, a substantially horizontally disposed bottom edge and a substantially vertically disposed front edge, and a longitudinal substantially rectangular integral strip, the rear portions of the side edges of said strip being secured to the respective rear and top edges of said side pieces, the forward portion of said strip being free to be brought down over the face of the wearer and securing straps extending integrally from the front edge of the forward portion of said strip to be drawn around said side pieces and the rear portion of said strip thereby securing the head covering upon the head of the wearer, and tape covering the respective joined edges of the side pieces and the strip.

2,546,118
HAND RESTRAINER
Adele O. Wright, Pomona, Calif.
Application September 24, 1947, Serial No. 775,815
6 Claims. (Cl. 132—73)



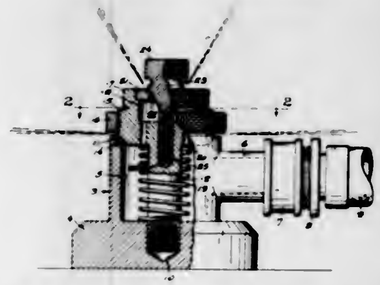
5. A hand retainer including an elongate body of sheet material having an arcuate series of spaced finger holes therein and extending substantially longitudinally of the body, and retaining means carried by the body including a member shiftable relative to the body adjacent one of the finger openings to restrict the finger carrying capacity of said opening.

2,546,119
CONTROL SYSTEM
Ervin G. Bailey, Easton, Pa., and Paul S. Dickey, East Cleveland, Ohio, assignors, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Original application October 18, 1943, Serial No. 506,630. Divided and this application December 9, 1946, Serial No. 715,044
9 Claims. (Cl. 263—19)



2. The combination with a fluid heater having an upper chamber enclosing a fluent mass of solid material, a lower chamber enclosing a fluent mass of solid material, a passage forming a throat between said upper and lower chambers and enclosing a fluent mass of solid material connecting said material masses, means producing a substantially continuous downward flow of the material through the upper chamber, throat and lower chamber, a fuel supply means for heating the material in the upper chamber, a supply of fluid to be heated passed through the lower chamber in direct contact with the heated material therein, means measuring the rate of supply of fuel, means measuring the rate of supply of fluid to be heated, and means conjointly responsive to said measuring means adapted to control the rate of supply of fuel.

2,546,120
SPRINKLER HEAD
Charles M. Boroughs, Seattle, Wash.
Application February 12, 1947, Serial No. 728,101
3 Claims. (Cl. 299—145)

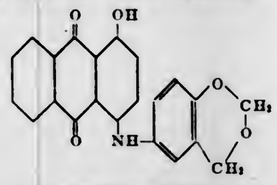


1. In a sprinkler head, the combination of a hollow body providing a water chamber arranged to be pressure fed from a source of water supply and having a discharge opening at the top circumscribed by a bevelled valve seat, said body presenting a flat face surrounding the valve seat, a complementing valve having a bevelled valve face closely fitting the valve seat and threadably connected with the body for moving the valve axially to open and close the discharge

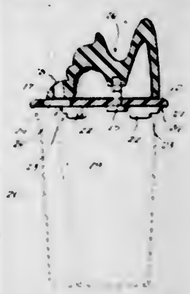
opening, an externally threaded boss made integral with the valve and located in concentric surmounting relation to the valve face, and a collar working on the threads of the boss and formed upon its underside with a substantially flat face overlying the said flat face of the hollow body and serving as a baffle and arranged by adjustment of the collar downwardly upon the boss to bring said baffle into a position whereat the same acts to variably break up and deflect an issuing stream of water travelling the path of an inverted hollow cone prescribed by the bevel of the valve seat.

2,546,121
1-HYDROXY-4-(6'-BENZODIOXAN-1',3') AMINO ANTHRAQUINONE
Saul R. Buc, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 10, 1949, Serial No. 132,393
2 Claims. (Cl. 260—338)

1. A new dyestuff of the formula:



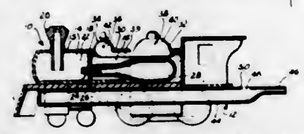
2,546,122
CHILDREN'S FEEDING DEVICE
Adolph Goldfarb, Chicago, Ill., assignor to Max R. Kraus, Chicago, Ill., as trustee
Application August 5, 1948, Serial No. 42,599
1 Claim. (Cl. 46—116)



A toy device comprising a cover adapted to provide a closure for a drinking glass, said cover having an opening therein, a representation of a figure pivotally mounted on said cover and having a forward portion arranged to overlie a portion of said opening, said representation having an aperture in the forward portion thereof through which a tube may be inserted in the drinking glass, said representation being adapted for limited movement by said drinking tube when the same is inserted through said aperture.

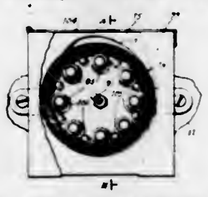
2,546,123
ANIMATED SMOKE EMITTING TOY
Adolph Goldfarb, Chicago, Ill., assignor to Max Richard Kraus, Chicago, Ill., as trustee
Application July 5, 1949, Serial No. 102,968
2 Claims. (Cl. 46—9)

1. A toy device for emitting simulated puffs of smoke, comprising a hollow body, said body having two adjacent chambers in longitudinal alinement, powder contained in one of said chambers, a simulated smoke stack communicating with said last mentioned chamber, a rubber bulb contained in the adjacent chamber and communicating with said powder containing chamber, a movable element projecting outwardly through



the said bulb containing chamber and engageable with said bulb, said bulb when compressed by movement of said movable element discharging air into said powder containing chamber so as to expel some of said powder through said smoke stack to simulate a puff of smoke.

2,546,124
RECORD STRIP MAGAZINE AND MOUNTING
Frederick H. M. Hart, Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation, a corporation of Delaware
Application January 31, 1946, Serial No. 644,489
6 Claims. (Cl. 88—18.7)



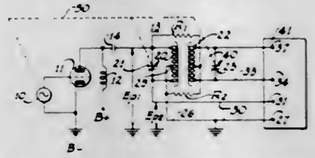
1. In combination a magazine having an array of means externally bounded by a circle and adapted to support a coiled strip at the innermost coil thereof, a mount for said magazine having a similar array of means bounded by a circle of slightly greater diameter than that of said first circle, and means including separable means respectively carried by the magazine and mount for locating said magazine in contact with said mount with said two arrays in coaxial relation and substantially axially coincident.

2,546,125
FUEL OILS FOR GAS TURBINE ENGINES AND PROCESS OF MAKING SAME
Donald Albert Howes, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British corporation
No Drawing. Application November 5, 1948, Serial No. 58,597. In Great Britain November 7, 1947
3 Claims. (Cl. 196—14.46)

1. Process for the production of a fuel oil, suitable for use in gas turbine engines, which comprises combining a petroleum residue fraction which constitutes not more than about 30% by volume on the crude petroleum and which contains at least one vanadium compound, the total vanadium content of said fraction being at least about 0.03% by weight, with at least about 500% by volume of a solvent containing at least one hydrocarbon having 3–7 carbon atoms per molecule and which has an aromatic content no greater than about 0.5%, separating the formed insoluble material from the resulting solution of treated petroleum residue fraction and solvent and finally separating the solvent

from the solution to recover the desired end-product containing a total vanadium content of below 0.03% by weight.

2,546,126
PHASE CONVERTING CIRCUIT
Robert B. Kerr, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 13, 1949, Serial No. 121,186
8 Claims. (Cl. 321—57)



8. In a frequency modulation transmitter having a single-phase source of variable radio frequency voltage and a three-phase radio frequency utilization circuit, the combination comprising a transformer, means for tuning both the primary winding and the secondary winding thereof to the frequency of said single-phase source, means for connecting said single-phase source between one extremity and an intermediate terminal of said transformer primary winding, said intermediate terminal serving as a neutral for a three-phase output voltage, means for connecting the second extremity of said transformer primary winding to said utilization circuit, means for connecting both of the extremities of said transformer secondary winding to said utilization circuit, the voltages appearing between said three last-named extremities having a quadrature phase relationship, resistance means for injecting a portion of said input voltage into said secondary winding for changing said quadrature phase relationship to a symmetrical three-phase relationship, and means mechanically coupling said source and said tuning means for both said primary and secondary windings simultaneously to change the frequency of said source and the resonant frequency of said transformer independently of said symmetrical three-phase relationship.

2,546,127
CIGARETTE HOLDER
Charles E. Lewis, Trail City, S. Dak.
Application January 26, 1944, Serial No. 519,752
3 Claims. (Cl. 131—190)



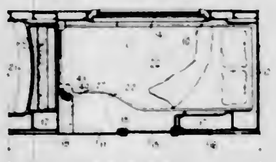
1. A cigarette holder comprising a mouthpiece having a cigarette receiving end portion, said end portion having a substantially conical depression therein for receiving a cigarette end snugly, means for gripping said cigarette to firmly hold the same, said means including a pair of jaws adapted to snugly engage portions of said cigarette, arms attached to said jaws, other arms pivotally attached to said first-mentioned arms whereby pivotal movement of said other arms will retract said jaws, said other arms being pivotally attached to said mouthpiece, and a button pivotally attached at the upper extremity of said other arms.

2,546,128
SNUFFER STRUCTURE FOR CIGARETTE LIGHTERS
Roy D. Lloyd, Pittsburgh, Pa., assignor of one-half to Robert L. Gardner, Pittsburgh, Pa.
Application January 7, 1948, Serial No. 968
1 Claim. (Cl. 67—7.1)



In a cigarette lighter, the combination which comprises a lighter case substantially rectangular shaped in section and having an arcuate side with extended edges at the opposite side, said case representing a book, means hinging one of the sides of the case to the case at a spaced point spaced from the arcuate edge, a substantially flat fuel tank in the case with an upwardly extended section along the side of the case having extended edges whereby cavity is provided from the said extended section from the tank to the arcuate side of the case, a ferrule having flanged ends positioned in the upper surface of the tank and located in the cavity, a conical shaped resilient washer positioned around the ferrule and secured in position by a flange at the upper end of the ferrule, a snuffer cap carried by a U-shaped spring on a plate positioned below the cover of the case and pivotally mounted in the cavity thereof, and positioned to register with the wick with lower outwardly flared edges of the snuffer cap engaging the conical shaped surfaces of the resilient washer, an arcuate flint tube extending from the upper surface of the extended section of the tank around the wick and opening into the cavity in the case at a point spaced from the wick, an abrading wheel rotatably mounted in the cavity of the case and positioned to engage a flint extended from the said flint tube, and means actuating said abrading wheel as the cover is opened.

2,546,129
WASHBASIN LOCK FOR SLEEPING CAR ROOMS
John J. Mayer, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 23, 1948, Serial No. 45,668
4 Claims. (Cl. 105—315)



1. In a room, a washbasin movable between operative and inoperative positions, a latch for locking said basin in its inoperative position, means constantly urging said latch toward its locking position, means biased to lock the latch in its inoperative position against the action of said urging means, and a bed movable between operative and inoperative positions, said biased means being operable by the bed against its bias, when the bed is moved to its operative position, to free the latch and permit it to be moved to its operative position under the action of said urging means.

2,546,130
QUICK-DRYING WRITING INKS
Raymond L. Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,211
3 Claims. (Cl. 106—20)

1. A quick-drying writing ink comprising in solution a copper phthalocyanine of the benzene series having attached to the phenylene nuclei a plurality of sulfonanilide groups, a hygroscopic polyhydric alcohol, water and caustic alkali, the content of caustic alkali in the ink being equivalent to from about one-half to two and one-half percent of sodium hydroxide.

2,546,131
CARBURIZING BATH
Facundo R. Morral, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 8, 1948, Serial No. 48,330
4 Claims. (Cl. 148—30)

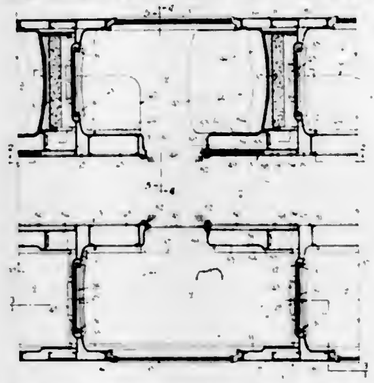
1. A mixture, adapted upon fusion for the case hardening of ferrous metal articles, which consists essentially of alkali metal chloride 32 parts, cyanogen compound 12 to 50 parts, alkali metal carbonate 11 to 32 parts, silicon carbide 5 to 10 parts, boron carbide 0.1 to 1 part, and graphite 0.1 to 0.5 part, the parts being by weight.

2,546,132
FRACTIONATION OF OLEAGINOUS MATERIALS
George H. Palmer, Fanwood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 16, 1947, Serial No. 748,572
9 Claims. (Cl. 260—428.5)

1. In a continuous process for extracting a desired extract from an oleaginous material with a solvent having a critical temperature below about 450° F. by counter-currently contacting said material with said solvent in a vertically extended fractionation zone at temperatures in the paracritical range between about 100° F. below the critical temperature of the solvent and approximately critical temperature, the improvement which includes the steps of: introducing a mixture of said fatty oleaginous material and said desired extract into the upper end of said zone in the form of a heavy downflowing oil phase; introducing solvent at the lower end of said fractionation zone to counter-currently contact said downflowing phase and form an upflowing extract phase; withdrawing an extract phase containing the desired extract from the upper end of said fractionation zone and separating from said extract phase a substantially heavier oil-rich phase; and recycling part of said oil-rich phase to be mixed with said oleaginous material at the upper end of said zone.

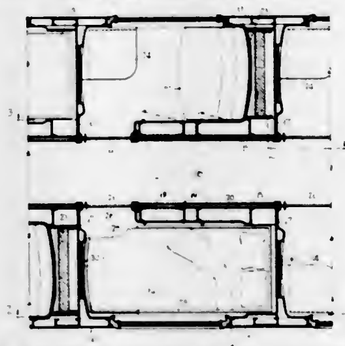
2,546,133
SLEEPING CAR
John W. Patton, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1945, Serial No. 583,259
13 Claims. (Cl. 105—315)

1. In a railway sleeping car, a series of rooms disposed between a side wall and a center aisle wall of the car and separated from each other by thin upright partitions extending transversely between said walls, the aisle wall carrying relatively thick accessories, such as a folding wash basin for each room, which render its overall thickness realtively great as compared with said thin upright partitions, said rooms having a common floor level, and a bed in each room movable, for daytime use of the room, to an upright position against one of said partitions and, for night-time use, to a substantially horizontal posi-



tion extending longitudinally, at substantially the same level as similarly arranged beds in the other rooms of the series, between the transverse partitions defining the room, said bed in horizontal position occupying substantially the entire distance between the last-named partitions, the overall length of said series of rooms being determined substantially wholly, by reason of the thinness of said partitions, by the aggregate lengths of the beds therein.

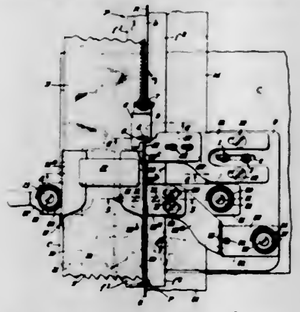
2,546,134
RAILWAY SLEEPING CAR ROOM ARRANGEMENT
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1946, Serial No. 645,632
4 Claims. (Cl. 105—315)



1. In a railway sleeping car, a room defined by longitudinally extending car side and aisle walls and spaced transverse walls interconnecting said car side and aisle walls, a rigid fixed-length bed foldable to extend lengthwise vertically adjacent one of said transverse walls in stored position and adapted to be lowered to extend horizontally some distance above the floor, when in use position and substantially from transverse wall to transverse wall of the room, an aisle entrance

doorway and door adjacent the other of said transverse walls, a hopper disposed adjacent the car side wall opposite said doorway, and overlapped by the bed when the latter is in use position, said bed being of a width for most of its length closely approaching the width of the room, but being provided with an offset portion on its aisle side at its end laterally opposite the doorway in use position, providing standing space for the occupant between the offset portion of the bed and the door closing said doorway and permitting the lowering or raising of the bed past the occupant standing in said space and with the door closed.

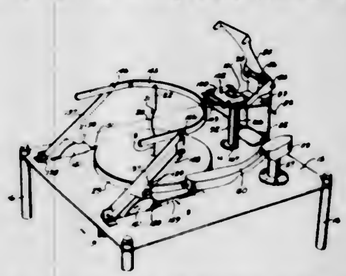
2,546,135
HAT SWEAT SEWING ATTACHMENT
Orland B. Reid, Kenilworth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 21, 1949, Serial No. 88,761
9 Claims. (Cl. 112—136)



1. A hat sweat sewing attachment for a sewing machine having stitch forming mechanism including a reciprocating and laterally vibrating needle, comprising a sweatband guide constructed and arranged to guide a sweatband so as to be missed by the needle when the needle is reciprocated in that one of its two lateral positions in which it makes an edge stitch and to be pierced by the needle when it is reciprocated in its other lateral position in which it makes a depth stitch, a guide for a reed-cover-strip having an upstanding bead and flaps projecting oppositely from said bead, said reed-cover-strip guide being located below said sweatband guide and comprising a guideway for said bead and a pair of members extending oppositely from said guideway and overlying said flaps to guide a reed-cover-strip to the stitch forming mechanism with the upstanding bead substantially engaging that edge of the sweatband adjacent the needle and with one flap beneath the sweatband, and bead-deflecting means including a member bearing laterally upon said bead at the side thereof adjacent the needle to deflect said bead laterally and to hold it out of the path of reciprocation of said needle when making said edge stitch.

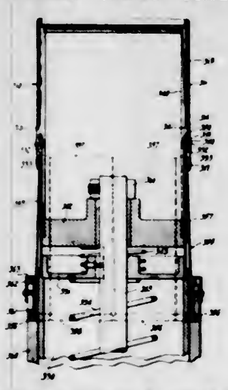
2,546,136
AUTOMATIC RECORD CHANGING PHONOGRAPH
Arnold E. Ristau and Alfred G. Ristau, Kaukauna, Wis., assignors to Ristaucrat, Inc., Kaukauna, Wis., a corporation of Wisconsin
Application August 2, 1946, Serial No. 688,064
6 Claims. (Cl. 274—10)

1. In an automatic phonograph having a turntable of less diameter than the records to be placed thereon and a support associated therewith for receiving a plurality of records to be successively placed in playing position on said turntable, the combination therewith of a reloading structure partially embracing the periphery of said turntable below the lowermost record thereon, a pair of lifting arms pivoted to said



phonograph at one end thereof and to said structure at the other end thereof, a cam member carried by said phonograph operably engaging said lifting arms intermediate their pivoted ends for raising said structure to elevate the records from the turntable to a position above said support and lower said structure to deposit said records thereon.

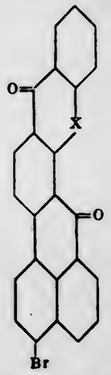
2,546,137
METHOD AND APPARATUS FOR MAKING LINED CONTAINERS
David Schmidt, Lakewood, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1942, Serial No. 464,756
4 Claims. (Cl. 93—36.01)



1. The method of lining a container comprising the steps of inserting a lining tube of flexible sheet material in the open end of a tubular receptacle, allowing an unsupported margin of said tube to extend out of said receptacle, simultaneously positively and uniformly expanding all portions of the periphery of said margin immediately adjacent the rim of the open end of said receptacle beyond the inside periphery of said rim, and then simultaneously positively and uniformly drawing all parts of the expanded portion of said margin along the outside wall of said receptacle to turn said margin inside out, in which said unsupported margin is longer than the length of said container and in which the step of drawing said margin along the wall of said container is continued along the entire length of the wall and including the step of gathering the mouth of said liner tube together across the bottom of said receptacle to completely cover said receptacle with said liner.

2,546,138
HETEROCYCLIC BENZANTHRONE COMPOUNDS
Wilhelm Schmidt-Nickels, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 31, 1948, Serial No. 68,727
8 Claims. (Cl. 260—276)

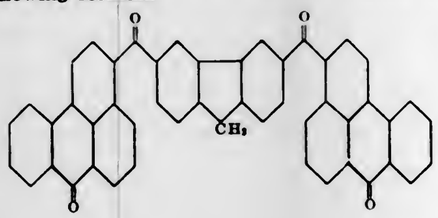
4. A process for preparing compounds of the general formula,



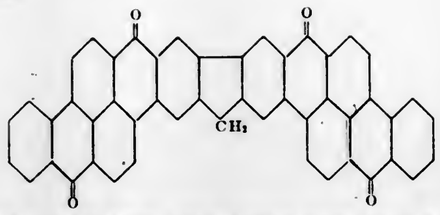
wherein X is selected from the group consisting of sulfur and imino groups, which comprises reacting a compound selected from the group consisting of anthraquinone-2,1-thioxanthone and anthraquinone-2,1-acridone with glycerine in the presence of iron and sulfuric acid, and brominating the reaction product.

2,546,139
VAT DYE AND INTERMEDIATE
Wilhelm Schmidt-Nickels, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 19, 1949, Serial No. 77,437
5 Claims. (Cl. 260—362)

1. A new composition of matter selected from the class consisting of a compound having the following formula



and



and nuclear alkyl, halo, alkoxy nitro, sulfo and acylamino derivatives thereof.

2,546,140
RACKET
James N. Tynan, Chicopee, Mass., and Gerald K. Geerlings, New Canaan, Conn., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Original application April 1, 1941, Serial No. 386,278. Divided and this application May 4, 1945, Serial No. 591,862
3 Claims. (Cl. 273—73)

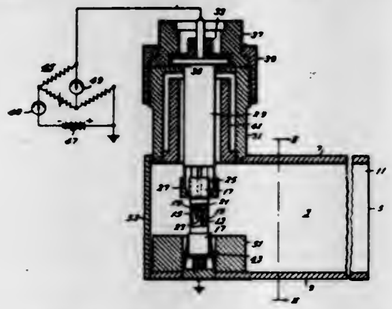


1. In a sport racket, the combination of a handle; a bow; a tube passing throughout the handle, and passing through the bow; means on the ends of said tube adapted to engage bow and handle and prevent separation of said bow and handle; a weight within said tube; means adapted to position the weight at diverse locations along the axis of said tube; and auxiliary tubular joining members connecting the bow and the handle, the ends of said auxiliary joining members being in abutting relation with the bow and handle, and being adapted to prevent any movement of the handle and the bow toward each other and the portions of the tubular joining members between the handle and bow being disconnected from one another whereby the tubes can act independently.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

601,425. **APPARATUS FOR MEASURING ULTRA-HIGH FREQUENCY ENERGY.** Jerald E. Hill, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed June 25, 1945. Published Mar. 20, 1951. Class 178—44. 1 sheet of drawings. 14 pages of specification.



Apparatus for use in an ultra-high-frequency system in which a block **51**, preferable in the form of a ring, is mounted on the lower wide wall **9** of rectangular wave guide **3** surrounding the lower end **17** of a bolometer unit. The block **51** is positioned adjacent the end of the guide section **3** opposite that into which waves are to be introduced and an end plate **53** is secured across the guide section end adjacent the block **51**. The dimensions of the block **51**, that is the diameter and thickness thereof when in the form of a ring, are selected to effect tuning of the apparatus to the desired frequency to provide an accurate impedance match between the bolometer absorbing element and the waveguide at the center of a frequency band transmitted by said guide.

721,564. **ELECTRIC WAVE FORMING CIRCUITS.** William Allen Bentley, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware. Filed Jan. 11, 1947. Published Mar. 20, 1951. Class 250—27. 1 sheet of drawings. 14 pages of specification.

The first or shield grid of the tube shown in Figure 4 intercepts the evaporated material from the cathode, which would normally deposit on the control grid and cause "jitter" in deflection circuits as shown in Figure 1. "Jitter" presents irregularities in the deflection wave and is caused by sudden changes of voltage on the control-grid or plate of a tube having an oxide coated emitter. During the operation, some of the oxide coating material is evaporated from the cathode and deposited on the control-grid wires. This deposit forms a very thin insulating coating on the control-grid. More effective mechanical shielding may be obtained by employing a shield grid having an area, frontal with respect to the path of the electron discharge, greater than the remainder of said control electrodes. The shield grid of Figure 4 runs at a positive potential and acts to create a virtual cathode between the shield grid and the control grid. The potential is sufficient to create an oversupply of electrons in the virtual

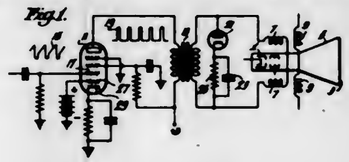


Fig. 1.

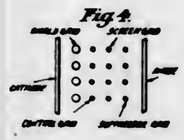
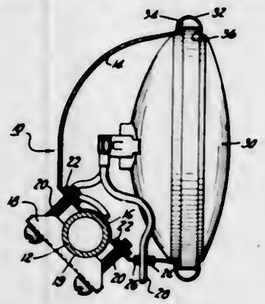


Fig. 4.

cathode so that, even though the jitter effect is present on this shield grid, its potential does not change enough to reduce the number of electrons in the virtual cathode below the number sufficient for plate current requirements.

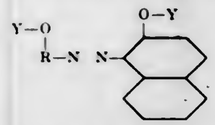
730,960. **MOUNTING MEANS FOR HEADLAMPS.** Franklin O. Wisman and Royal J. Reek, South Bend, Ind. Filed Feb. 26, 1947. Published Mar. 20, 1951. Class 248—226. 1 sheet of drawings. 4 pages of specification.



The alleged new construction comprises a mounting means for securing a head lamp **10** to a bicycle bar **12**, comprising a housing **14** for the said lamp, said housing being formed with a configuration **16** therein which envelops less than half the circumference of a prescribed portion of the bicycle bar **12** to provide one part of the mounting means, and a second part **18** spaced apart from said one part and having a U-shaped cross section **19** with the sides thereof cut-out to embrace less than half the circumference of said bar, whereby bars varying in circumference may be interposed between the said parts, the depth of said cut-out being less than the height of said sides, and means **20** for drawing the parts toward each other.

31,606. **PREPARATIONS AND PROCESS FOR MAKING FAST DYEINGS.** Willy Widmar, Bottmingen, Alphonse Heckendorn, Basel, and Fritz Schuetz, Neuewelt, Switzerland. Filed June 7, 1948. Published Mar. 20, 1951. Class 8—42. No drawing. 16 pages of specification.

According to the disclosure of this application, fast dyeings are produced on the fiber preferably on wool with monoazo-dyestuffs of the general formula



in which R represents a benzene radical which is free from sulfonic acid groups, and to which the —N=N— group and the —O—Y group are bound in ortho-position relatively to one another, and which, when it is free from nitro groups, contains at least two halogen atoms, and Y represents an acyl radical which is bound to —O— by the acyl group and contains at least one substituent imparting solubility to the dyestuff, by conducting the dyeing by the single bath process with a solution which contains the dyestuff and also an agent yielding one of the metals of the atomic numbers 27 and 28 (cobalt or nickel).

Other fibrous animal material such as silk or leather may also be dyed by the process; also mixed wool-regenerated cellulose fabric, casein, superpolyamides and superpolyurethanes.

Dyestuffs of the above general formula which can be used in the present process, and a process for making them, are described in U. S. Patent No. 2,495,243 and U. S. Patent No. 2,495,244.

Certain dyes in which R of the above formula has nitro and/or chlorine substituents in particular locations are said to be especially valuable.

The dyeing process may be conducted, for example, in a neutral to acid dyebath. It is of advantage to work with a dyebath which at least at the outset of the process has a practically neutral reaction. If desired, there may be incorporated in the dyebath suitable additions which cause a gradual increase in acidity, for example, an ammonium salt as ammonium sulfate. It is recommended in some cases to add to the dyebath towards the end of the dyeing process, that is to say, when the greater part of the dyestuff has been taken up by the fiber, a small quantity of a weak acid, for example, acetic acid.

It is possible by the present process to apply the dyestuffs to be used simultaneously with non-metallizable dyestuffs capable of dyeing the fibers from neutral to weakly acid baths, in a simple and advantageous manner, that is to say, in a single operation.

The dyeing process advantageously may be performed with stable dyestuff preparations ready for use, which comprise a mixture, for example, in the dry state, of the dyestuff to be used and the agent yielding metal in suitable proportions.

In some cases especially valuable, very uniform dyeings are obtained by the process of this invention when the dyeing is conducted in the presence of a wetting or dispersing agent. For this purpose there come into consideration wetting or dispersing agents of ionogenic character and above all those of non-ionogenic character. As wetting or dispersing agents of the latter kind there may be mentioned, for example, polyglycol ethers of fatty alcohols of high molecular weight, advantageously those ethers having a content of at least 10, for example 20 to 25, ethylene oxide radicals and of which the radical of the fatty alcohol contains 16 to 18 carbon atoms. Products of this kind are described, for example, in French Patent No. 727,202.

A representative example follows:

100 parts of well wetted wool are entered at 50–60° C. into a dyebath consisting of 4000 parts of water, 2 parts of the dyestuff ester obtained by esterifying with benzoic acid-3-sulfochloride the dyestuff from diazotized 4-nitro-2-amino-1-hydroxybenzene and 2-hydroxynaphthalene, 10 parts of crystalline sodium sulfate and 1 part of crystalline cobalt acetate. The temperature is raised to the boil, and dyeing is carried on at the boil for 1½–2 hours. The wool is then rinsed and dried. It is dyed a fast brownish Bordeaux tint.

A very uniform dyeing of the same tint is obtained by adding to the dyebath 1 part of a polyglycol ether of a fatty alcohol of which the fatty alcohol radical contains 16–18 carbon atoms and the polyglycol radical contains the radicals of 20 to 25 molecules of ethylene oxide.

The dyeings obtainable by the present process possess very good properties of fastness, especially very good fastness to washing and light.

51,842. **METHOD FOR PRODUCING LIGHT WEIGHT AGGREGATE FROM CLAYS.** Howard P. Hamlin, Northport, and Theron A. Klinefelter, Tuscaloosa, Ala. Filed Sept. 29, 1948. Published Mar. 20, 1951. Class 106—40. No drawing. 6 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The application relates to the production of lightweight aggregates from clays and shales which have poor bloating characteristics in their natural state, that is, clays and shales whose bloating temperatures lie above the commercial range of about 1,800° to 2,200° Fahrenheit.

The objects of the application are accomplished by blending a fluxing agent and a gas generating material with the raw clay or shale and subjecting the blend to heat treatment by the usual processes for the production of vitrified bloating clay or shale lightweight aggregates.

Clay and shales which have the poor bloating characteristics as set forth above and which have been found suitable for the purposes of the application are the clays found in the Porters Creek Formation in Alabama, Mississippi, Tennessee, Kentucky, and Illinois, all alluvial clays near Sabina, Louisiana, stoneware clays near Fulton, Mississippi, and the fuller's earths in Florida and Georgia; and the shales are those such as are found in Arkansas near Greenwood, Alabama near Birmingham, and North Carolina near Sanford.

Suitable fluxing agents blended with these clays and shale include the alkaline earth metal hydroxides, alkali hydroxides including ammonium hydroxide, alkali metal carbonates, and the like.

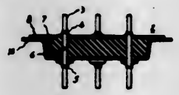
The gas generating materials used in the process are thermally decomposable sulfur containing substances such as flowers of sulfur, iron pyrites, various metallic sulfates, and the like.

Example

A clay sample taken from western Louisiana would not bloat under heat treating to 2,500° Fahrenheit. At this temperature it had an approximate apparent specific gravity of 1.445 or a weight of about 90 pounds per cubic foot. An addition of 2% flowers of sulfur (a gas generating material) to the raw clay did not bring about bloating. However, upon the further addition of 2% NaOH, with the 2% sulfur, a bloat was obtained. The bloating took place at 2,300° Fahren-

heit, yielding a product with an apparent specific gravity of 0.56, or weight of about 35 pounds per cubic foot.

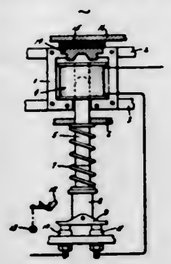
53,494. **VACUUM-TIGHT INSULATED CONDUCTOR SEAL AND BUSHING.** Eduard T. Grant, Scotia, N. Y., assignor to General Electric Company, a corporation of New York. Filed Oct. 8, 1948. Published Mar. 20, 1951. Class 174—151. 1 sheet of drawings. 5 pages of specification.



The application discloses a lead-in conductor seal and bushing for a metallic enclosure comprising a pair of apertured clamping plates 8 and 10, one of which is dished, and a block 7 of resilient insulating material compressed between the plates and around the conductors 3. The conductors are provided with spaced apart beads 4 and 5 adjacent the plates 8 and 10 to add to the sealing action of the compressible material 7.

90,412. **BUFFING MEANS FOR ELECTROMAGNETIC DEVICE.** Eugene T. McCurry and John A. Oppel, Aldan, Pa., assignors to General Electric Company, a corporation of New York. Filed Apr. 29, 1949. Published Mar. 20, 1951. Class 200—111. 1 sheet of drawings. 11 pages of specification.

The application discloses an arrangement for arresting the movement of a solenoid operated armature plunger only after completion of its effective operating stroke so as to provide for maximum operating force for the plunger particularly near and at the end of its effective operating travel. The device comprises a frame 1 of magnetic material, an operating solenoid 4, an armature plunger 6 movable in response to energization of the solenoid and a movable pole piece 14 in the path of movement of said plunger and forming a part of the magnetic circuit of the device. The pole piece is engageable by the plunger upon completion of its effective operat-

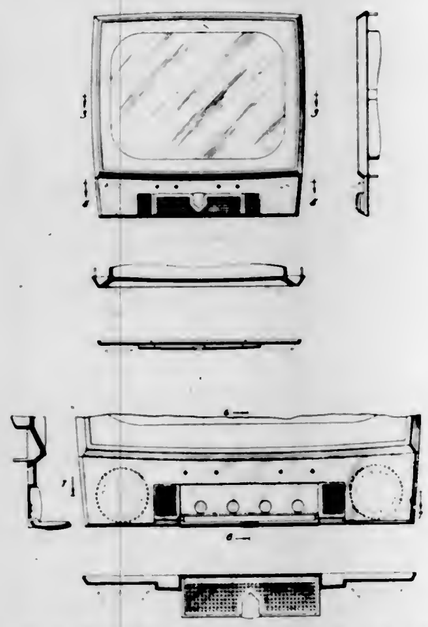


ing stroke and being yieldable upwardly, although attracted downwardly both magnetically and gravitationally, it constitutes a buffing agency capable of absorbing energy imparted by the armature. A supplementary buffing device 15 of yieldable and preferably energy-dissipating material, as felt or anti-bounce synthetic rubber is interposed between the fixed support 16 and the upper surface of the pole piece 14. Armature 6 carries movable bridging contact 9 which electrically connects contacts 10 and 11.

DESIGNS

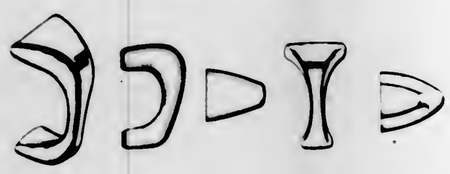
MARCH 20, 1951

162,503
COMBINED TELEVISION SCREEN WINDOW AND CONTROL UNIT
Samuel E. Adler, Chicago, Ill.
Application August 2, 1950, Serial No. 11,540
Term of patent 14 years
(Cl. D56—4)



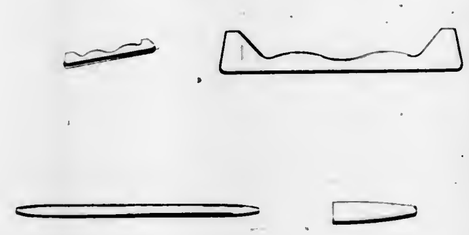
The ornamental design for a combined television screen window and control unit, as shown and described.

162,504
FURNITURE HANDLE
Joseph Adkinson, York, Pa., assignor to Home Furniture Co., York, Pa., a corporation of Pennsylvania
Application October 28, 1949, Serial No. 5,754
Term of patent 3½ years
(Cl. D10—8)



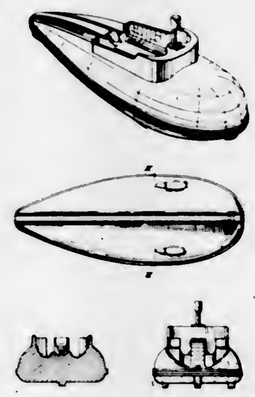
The ornamental design for a furniture handle, as shown.

162,505
HANDLE FOR FURNITURE
Joseph Adkinson, York, Pa., assignor to Home Furniture Co., York, Pa., a corporation of Pennsylvania
Application October 28, 1949, Serial No. 5,755
Term of patent 3½ years
(Cl. D10—8)



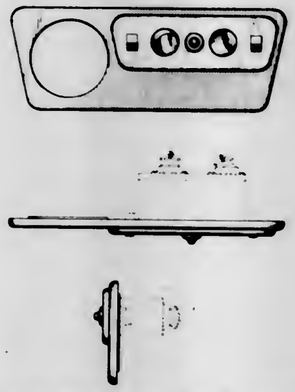
The ornamental design for a handle for furniture as shown.

162,506
SOAPHOLDER
Roy Aitken, Glasgow, Scotland
Application May 18, 1950, Serial No. 10,018
In Great Britain December 5, 1949
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a soap holder, as shown.

162,507
VEHICLE INTERIOR LIGHTING AND VENTILATING UNIT
Albert L. Arenberg, Highland Park, and Edward C. Zimmerman, Winnetka, Ill., assignors to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application June 1, 1948, Serial No. 146,714
Term of patent 14 years
(Cl. D48—32)



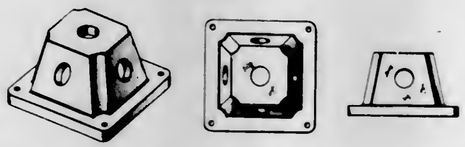
The ornamental design for a vehicle interior lighting and ventilating unit, substantially as shown and described.

162,508
DRESS
J Leah Asteroff, New York, N. Y.
Application November 2, 1950, Serial No. 12,826
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

162,509
ELECTRICAL OUTLET BOX COVER
Merritt B. Austin, Jr., Deerfield, Ill.
Application October 17, 1950, Serial No. 12,605
Term of patent 14 years
(Cl. D26—1)



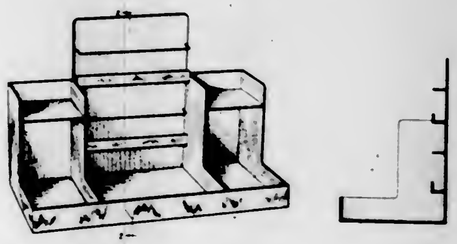
The ornamental design for an electrical outlet box cover, as shown.

162,510
MEDAL
Philip Leigh Barrager, Owatonna, Minn., assignor to Josten Manufacturing Company, Owatonna, Minn., a corporation of Minnesota
Application November 10, 1950, Serial No. 12,932
Term of patent 14 years
(Cl. D29—19)



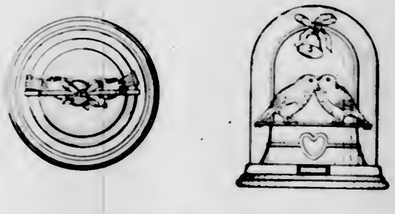
The ornamental design for a medal, substantially as shown and described.

162,511
DISPLAY CABINET OR THE LIKE
Sidney Bauer and Alan E. Bauer, New York, N. Y.
Application April 1, 1949, Serial No. 1,766
Term of patent 3½ years
(Cl. D80—9)



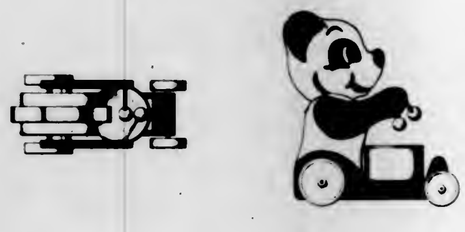
The ornamental design for a display cabinet, or the like, substantially as shown.

162,512
TABLE ORNAMENT
Anthony E. Bogdan, New Bedford, Pa.
Application December 10, 1949, Serial No. 6,553
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a table ornament, as shown and described.

162,513
WHEEL TOY
Jesse F. Brice, East Aurora, N. Y., assignor to Brice Toy and Novelty Company, Inc., Colden, N. Y.
Application April 23, 1949, Serial No. 2,213
Term of patent 3½ years
(Cl. D34—15)



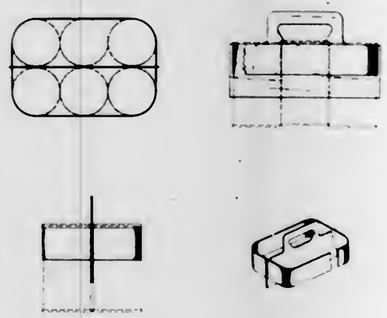
The ornamental design for a wheel toy, as shown.

162,514
LAPEL BUTTON OR SIMILAR ARTICLE
George A. Bronson, Council Bluffs, Iowa
Application September 12, 1950, Serial No. 12,154
Term of patent 3½ years
(Cl. D29—2)



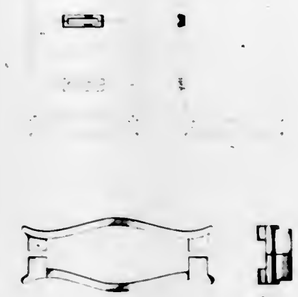
The ornamental design for a lapel button or similar article, as shown.

162,515
CAN CARRYING DEVICE
Keith W. Burge, Highland Park, Ill.
Application March 25, 1950, Serial No. 8,779
Term of patent 14 years
(Cl. D58—5)



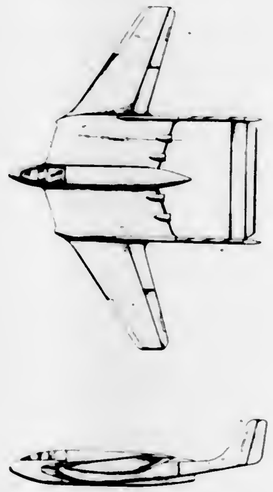
The ornamental design for a can carrying device, as shown and described.

162,516
HANDLE UNIT
Kurt Burgold, Asheville, N. C., assignor to Morgan Furniture Company, a corporation of Delaware
Application June 24, 1948, Serial No. 147,157
Term of patent 3½ years
(Cl. D10—8)

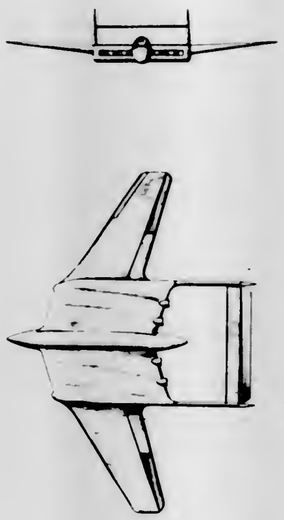


The ornamental design for a handle unit, as shown and described.

162,517
AIRPLANE
Vincent J. Burnelli, Great Neck, N. Y.
Application January 11, 1949, Serial No. 174
Term of patent 14 years
(Cl. D71—1)



162,517—Continued



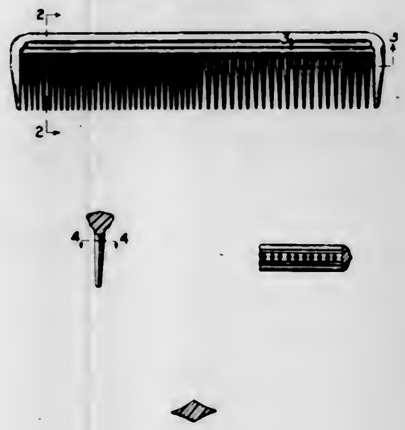
The ornamental design for an airplane, as shown.

162,518
ELECTRIC RANGE SURFACE HEATING UNIT
Allan P. Charbonneau, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 20, 1948, Serial No. 149,736
Term of patent 14 years
(Cl. D81—26)



The ornamental design for an electric range surface heating unit, substantially as shown.

162,519
HAIR COMB
George R. Collins, Monroe, Mich.
Application May 16, 1950, Serial No. 9,988
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a hair comb, as shown.

162,520
GARMENT HANGER
Roland W. Colwell, Los Angeles, Calif.; Joseph W. Colwell executor of said Roland W. Colwell, deceased
Application August 19, 1949, Serial No. 4,614
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a garment hanger, substantially as shown.

162,521
UKULELE
Robert H. Crowle, Berwyn, and Charles E. Jones, Chicago, Ill., assignors to The Harmony Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1950, Serial No. 10,044
Term of patent 7 years
(Cl. D56—1)



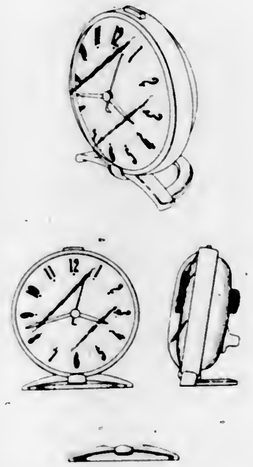
The ornamental design for a ukulele substantially as shown and described.

162,522
BALL POINT PEN
John D. Currence, Bernardsville, and Edward J. Egan, Basking Ridge, N. J.
Application December 26, 1950, Serial No. 13,595
Term of patent 14 years
(Cl. D74—17)



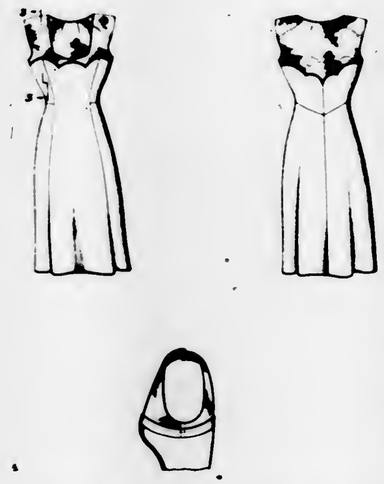
The ornamental design for a Ball Point Pen, as shown and described.

162,523
CLOCK
Ellworth R. Danz, La Salle, Ill., assignor to General Time Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1949, Serial No. 4,913
Term of patent 14 years
(Cl. D42—7)



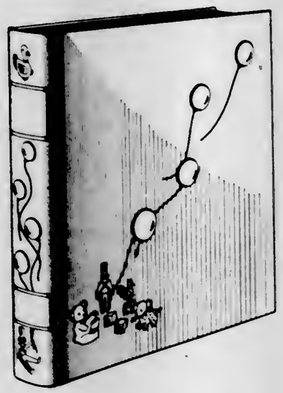
The ornamental design for a clock, substantially as shown and described.

162,524
SLIP-TYPE UNDERGARMENT
Elizabeth Darwin, Los Angeles, Calif.
Application December 30, 1949, Serial No. 6,925
Term of patent 14 years
(Cl. D3—26)



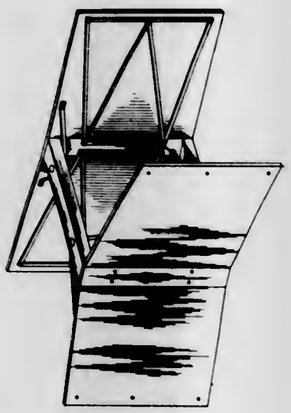
The ornamental design for a slip-type undergarment, as shown.

162,525
PHOTOGRAPH RECORD BOOK
Albert G. De Vry, Chicago, Ill.
Application March 4, 1950, Serial No. 8,330
Term of patent 14 years
(Cl. D6—2)



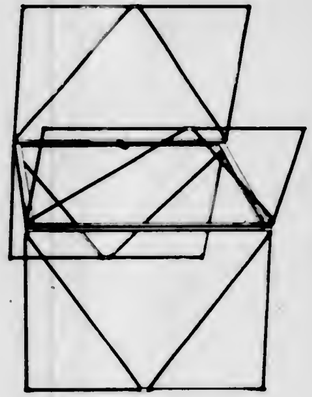
The ornamental design for a photo record book, substantially as shown.

162,526
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application March 20, 1950, Serial No. 8,641
Term of patent 7 years
(Cl. D26—14)



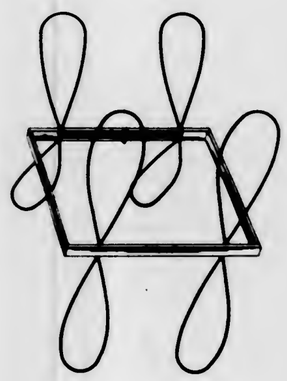
The ornamental design for a television antenna, as shown and described.

162,527
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application March 27, 1950, Serial No. 8,796
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a television antenna, as shown.

162,528
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application March 27, 1950, Serial No. 8,798
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a television antenna, as shown and described.

162,529
NECKTIE
Francis Alexander Innys Eveleigh-de Moleyns, London England
Application April 29, 1950, Serial No. 9,577
In Ireland February 10, 1950
Term of patent 14 years
(Cl. D3—16)



The ornamental design for a necktie, as shown.

162,530
DINNER PLATE OR SIMILAR ARTICLE
Richard H. Garvin, Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,385
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

162,531
DINNER PLATE OR SIMILAR ARTICLE
Richard H. Garvin, Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,386
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

162,532
EMBROIDERED TRIMMING
Abe Gelb, New York, N. Y.
Application November 30, 1950, Serial No. 13,205
Term of patent 3½ years
(Cl. D92—1)

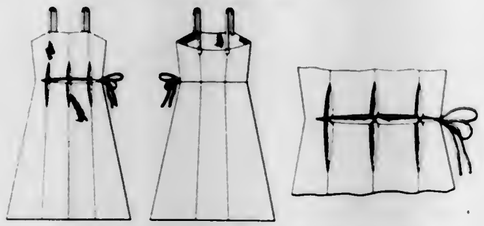
The ornamental design for an embroidered trimming, substantially as shown.

162,533
RUG
Morris B. Goldfarb, Easton, Pa., assignor to Croft Rug Mills, Inc., Easton, Pa., a corporation of Pennsylvania
Application May 29, 1950, Serial No. 10,256
Term of patent 7 years
(Cl. D92—21)



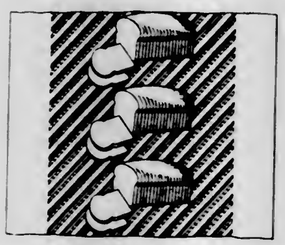
The ornamental design for a rug, as shown.

162,534
MATERNITY SKIRT
Arlene J. Greendale, Chicago, Ill.
Application August 23, 1948, Serial No. 148,255
Term of patent 14 years
(Cl. D3—26)



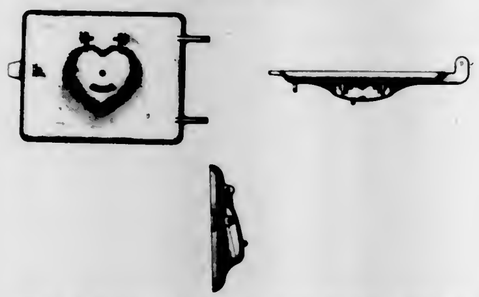
The ornamental design for a maternity skirt, substantially as shown.

162,535
WRAPPING PAPER FOR BREAD LOAVES OR THE LIKE
Quinn J. Hagedorn, Dayton, Ohio, assignor to The Specialty Papers Company, Dayton, Ohio, a corporation of Ohio
Application December 31, 1948, Serial No. 150,471
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for a wrapping paper for bread loaves or the like, substantially as shown.

162,536
SAFETY DOOR FOR FURNACES OR THE LIKE
Lemuel J. Harris, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Application September 30, 1948, Serial No. 148,885
Term of patent 14 years
(Cl. D81—25)



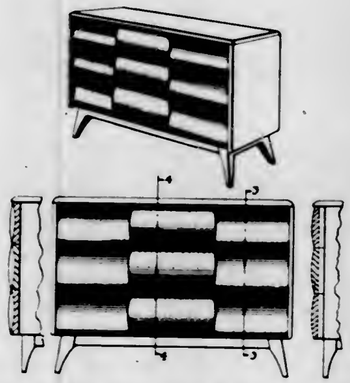
The ornamental design for a safety door for furnaces or the like, as shown.

162,537
CHRISTMAS STOCKING
Helen Gould Hathaway, Kansas City, Mo.
Application August 12, 1949, Serial No. 4,438
Term of patent 3½ years
(Cl. D47—7)



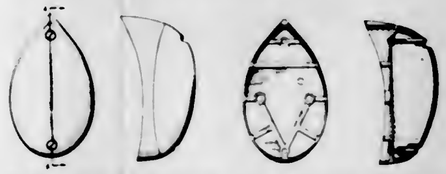
The ornamental design for a Christmas stocking, as shown.

162,538
DRESSER
Ernest Herrmann, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 8, 1949, Serial No. 5,378
Term of patent 7 years
(Cl. D33—6)



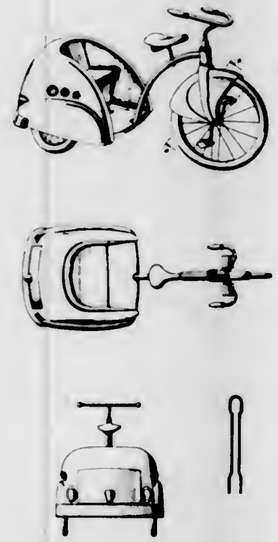
The ornamental design for a dresser, substantially as shown.

162,539
INDICATOR LAMP
Jesse R. Hollins, Brooklyn, N. Y.
Application August 30, 1949, Serial No. 4,765
Term of patent 14 years
(Cl. D48—32)



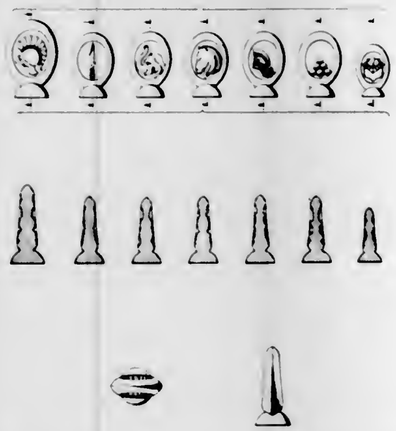
The ornamental design for an indicator lamp, as shown and described.

162,540
COMBINED TRICYCLE AND CAB
James Hsu, Great Neck, N. Y.
Application July 6, 1950, Serial No. 10,971
Term of patent 14 years
(Cl. D34—15)



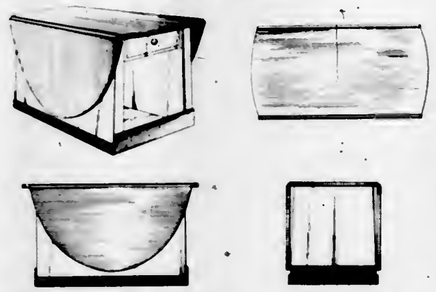
The ornamental design for a combined tricycle and cab, as shown.

162,541
SET OF PLAYING PIECES
James Hsu, Great Neck, N. Y.
Application August 23, 1950, Serial No. 11,892
Term of patent 14 years
(Cl. D34—5)



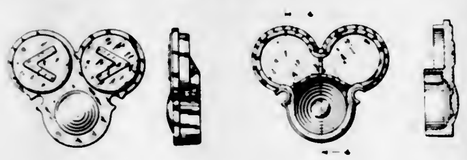
The ornamental design for a set of playing pieces, as shown.

162,542
COMBINED TABLE AND STORAGE UNIT
Eda A. Hurwitz, Marblehead, Mass.
Application July 25, 1947, Serial No. 140,514
Term of patent 14 years
(Cl. D33—19)



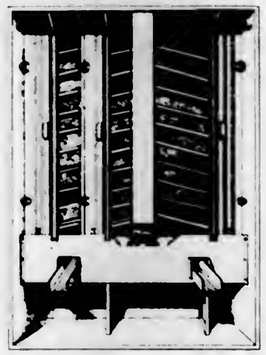
The ornamental design for a combined table and storage unit, substantially as shown and described.

162,543
LENS UNIT FOR A COMBINED TAIL AND SIGNAL LIGHT
Orlando F. Ingle, Richmond, Ind., assignor to Cyclelite Manufacturing Company, Inc., Richmond, Ind., a corporation of Indiana
Application March 21, 1950, Serial No. 8,670
Term of patent 7 years
(Cl. D48—32)

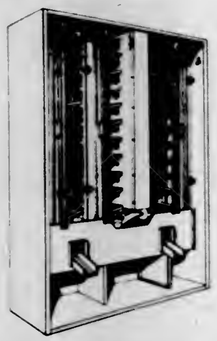


The ornamental design for a lens unit for a combined tail and signal light, as shown.

162,544
BOTTLE VENDING MACHINE OR SIMILAR ARTICLE
Frazier N. James, Dallas, Tex., assignor to Lone Star Vender Corp., Dallas, Tex.
Application September 25, 1950, Serial No. 12,342
Term of patent 14 years
(Cl. D52—3)

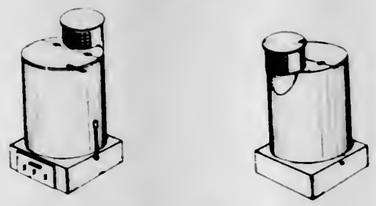


162,544—Continued



The ornamental design for a bottle vending machine or similar article, as shown.

162,545
INCINERATOR
Verne Jester, Phoenix, Ariz., assignor to Jester-Lance Mfg. Co., Phoenix, Ariz.
Application November 4, 1949, Serial No. 5,858
Term of patent 7 years
(Cl. D81—1)



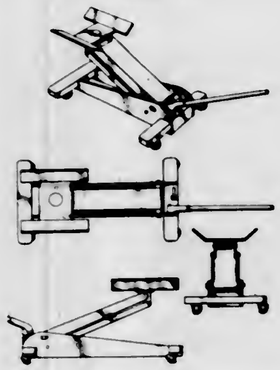
The ornamental design for an incinerator, substantially as shown.

162,546
SMOKER'S STAND
Leo Jiranek, New York, N. Y., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application August 31, 1950, Serial No. 12,006
Term of patent 14 years
(Cl. D85—2)



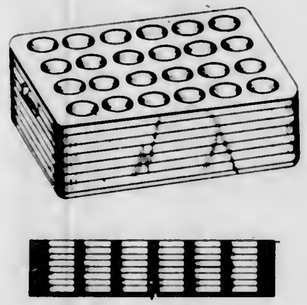
The ornamental design for a smoker's stand, substantially as shown.

162,547
AUTOMOBILE JACK
George V. Johnsen, Los Angeles, Calif.
Application November 15, 1949, Serial No. 6,059
Term of patent 7 years
(Cl. D41—1)



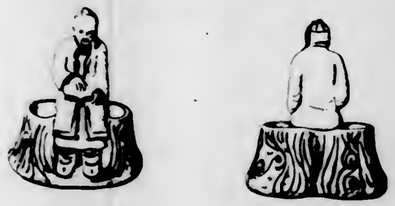
The ornamental design for an automobile jack, substantially as shown.

162,548
BEVERAGE CASE OR SIMILAR ARTICLE
Cohen D. Jones, Jr., Claxton, Ga.
Application December 5, 1949, Serial No. 6,420
Term of patent 3½ years
(Cl. D58—5)



The ornamental design for a beverage case or similar article, as shown.

162,549
FIGURINE OR SIMILAR ARTICLE
Reinhold H. Lenaburg, Pasadena, Calif.
Application March 11, 1949, Serial No. 1,349
Term of patent 3½ years
(Cl. D29—23)

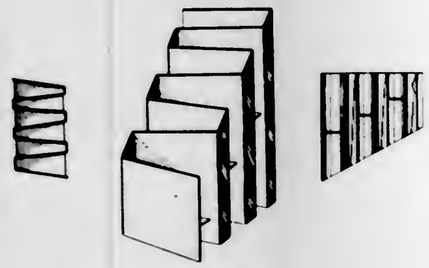


162,549—Continued



The ornamental design for a figurine or similar article, substantially as shown.

162,550
DISPLAY RACK
Martin P. Levin, Rye, N. Y., assignor to Grosset & Dunlap, Inc., New York, N. Y., a corporation of New York
Application November 2, 1950, Serial No. 12,820
Term of patent 7 years
(Cl. D80—9)



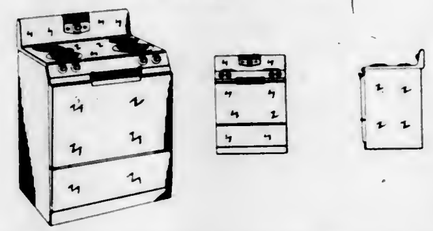
The ornamental design for a display rack as shown and described.

162,551
HOSIERY DISPLAY CONTAINER OR THE LIKE
Henry Levine, Brooklyn, N. Y.
Application April 25, 1950, Serial No. 9,461
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a hosiery display container, or the like, as shown.

162,552
ELECTRIC RANGE
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 28, 1950, Serial No. 8,827
Term of patent 7 years
(Cl. D81—4)



The ornamental design for an electric range, as shown.

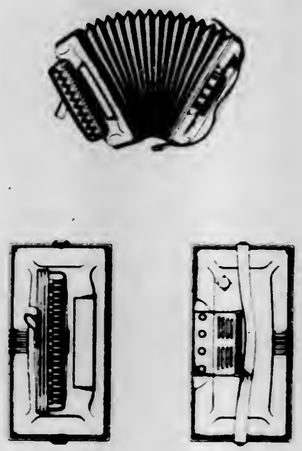
162,553
SPORT SHIRT
Vincent J. Luke, Fort Worth, Tex.
Application October 30, 1950, Serial No. 12,771
Term of patent 14 years
(Cl. D3—25)





The ornamental design for a sport shirt, as shown.

162,554
CHROMATIC ACCORDION
Finn H. Magnus, Essex Fells, N. J., assignor to Magnus Harmonica Corporation, Newark, N. J., a corporation of New Jersey
Application April 5, 1950, Serial No. 8,984
Term of patent 14 years
(Cl. D56—1)



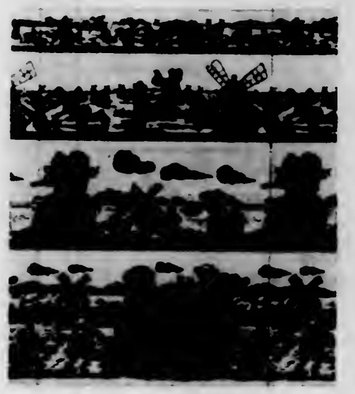
The ornamental design for a chromatic accordion, substantially as shown.

162,555
TEXTILE FABRIC
Sonia M. Mandell, New York, N. Y.
Application January 3, 1950, Serial No. 6,964
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

162,556
TEXTILE FABRIC
Sonia M. Mandell, New York, N. Y., assignor to Marcus Brothers Textile Corp., New York, N. Y., a corporation of New York
Application January 3, 1950, Serial No. 6,965
Term of patent 3½ years
(Cl. D92—1)



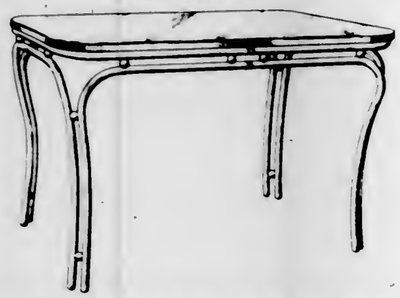
The ornamental design for a textile fabric, substantially as shown and described.

162,557
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,393
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

162,558
TABLE
Charles E. Meek, Jr., Warsaw, Ind., assignor to Arnolt Corporation, Warsaw, Ind., a corporation of Indiana
Application July 8, 1949, Serial No. 3,780
Term of patent 14 years
(Cl. D33—14)



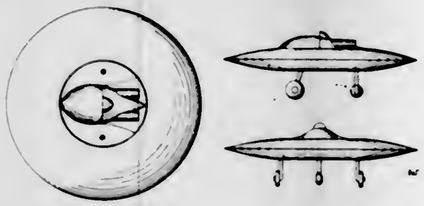
The ornamental design for a table, substantially as shown and described.

162,559
CAN
Philip Meshberg, Bridgeport, Conn.
Application April 12, 1949, Serial No. 1,923
Term of patent 7 years
(Cl. D58—17)



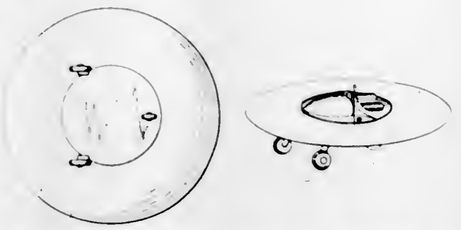
The ornamental design for a can, as shown and described.

162,560
TOY AIRPLANE
Clyde L. Miller, Berkley, and Robert D. Brandon, Detroit, Mich., assignors of one-third to J. Harold Steffes, Berkley, Mich.
Application March 23, 1950, Serial No. 8,712
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy airplane, as shown.

162,560—Continued

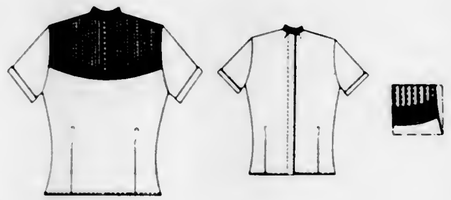


162,561
FONT OF THREE-DIMENSIONAL DISPLAY LETTERS
Frank P. Mitten, Redlands, Calif.
Application May 25, 1949, Serial No. 2,869
Term of patent 14 years
(Cl. D64—12)



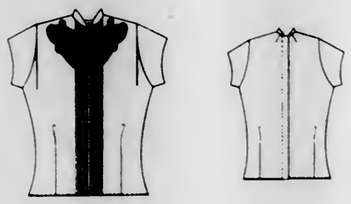
The ornamental design for a font of three-dimensional display letters, substantially as shown and described.

162,562
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,343
Term of patent 3½ years
(Cl. D3—25)



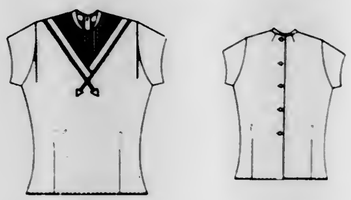
The ornamental design for a blouse, substantially as shown and described

162,563
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,344
Term of patent 3½ years
(Cl. D3—25)



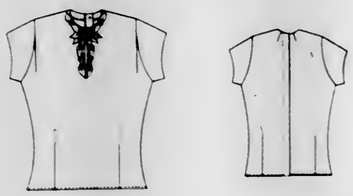
The ornamental design for a blouse, substantially as shown.

162,564
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,345
Term of patent 3½ years
(Cl. D3—25)



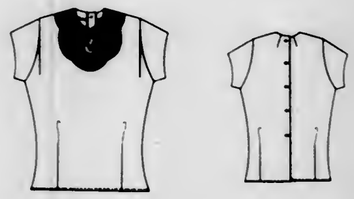
The ornamental design for a blouse, substantially as shown.

162,565
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,346
Term of patent 3½ years
(Cl. D3—25)



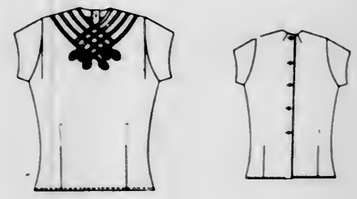
The ornamental design for a blouse, substantially as shown.

162,566
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,347
Term of patent 3½ years
(Cl. D3—25)



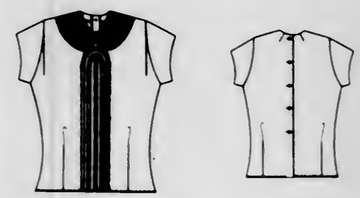
The ornamental design for a blouse, substantially as shown.

162,567
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,348
Term of patent 3½ years
(Cl. D3—25)



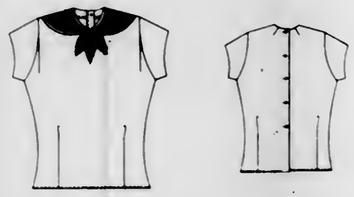
The ornamental design for a blouse, substantially as shown.

162,568
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,349
Term of patent 3½ years
(Cl. D3—25)



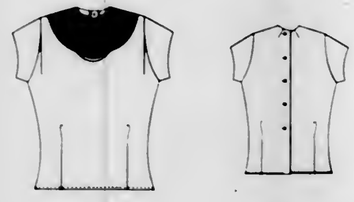
The ornamental design for a blouse, substantially as shown.

162,569
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,350
Term of patent 3½ years
(Cl. D3—25)



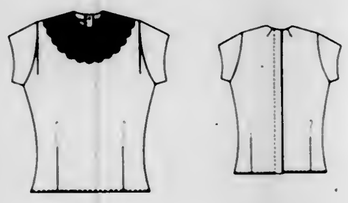
The ornamental design for a blouse, substantially as shown.

162,570
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,351
Term of patent 3½ years
(Cl. D3—25)



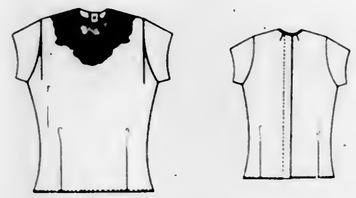
The ornamental design for a blouse, substantially as shown.

162,571
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,352
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse, substantially as shown.

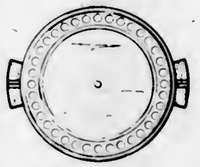
162,572
BLOUSE
Jack Orloff, New York, N. Y.
Application December 9, 1950, Serial No. 13,353
Term of patent 3½ years
(Cl. D3—25)

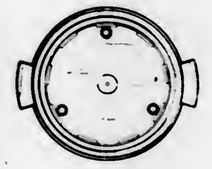


The ornamental design for a blouse, substantially as shown.

162,573
ELECTRIC BASE FOR TABLE TOP OVEN
David L. Painter, Evanston, Ill., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application June 23, 1950, Serial No. 10,708
Term of patent 14 years
(Cl. D81—10)

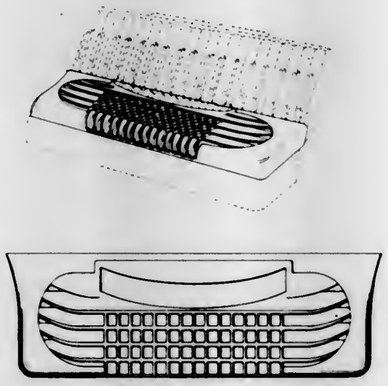






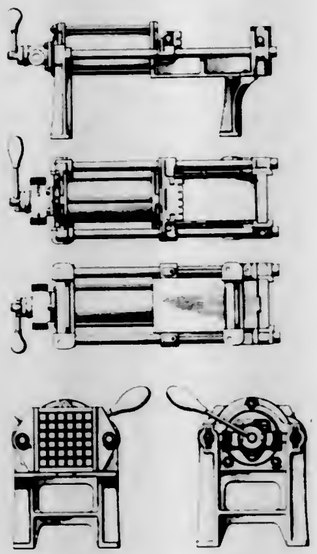
The ornamental design for an electric base for table top oven, substantially as shown.

162,574
GRILLE FOR ACCORDIONS
Mario Pancotti, Bronxville, N. Y.
Application September 21, 1950, Serial No. 12,293
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a grille for accordions, substantially as shown and described.

162,575
VEGETABLE CUTTER
Harry Pearlman, Syracuse, N. Y.
Application October 17, 1950, Serial No. 12,587
Term of patent 14 years
(Cl. D89—1)



The ornamental design for a vegetable cutter, as shown.

162,576
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1950, Serial No. 13,428
Term of patent 7 years
(Cl. D45—16)



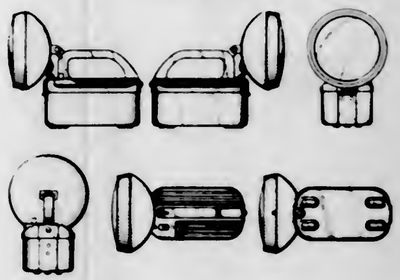
The ornamental design for a necklace or similar article, substantially as shown.

162,577
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 10, 1951, Serial No. 13,726
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

162,578
PORTABLE LANTERN
Gus G. Potekin, Chicago, Ill., assignor to Richberry Electric Co., a partnership
Application December 22, 1950, Serial No. 13,547
Term of patent 14 years
(Cl. D48—24)



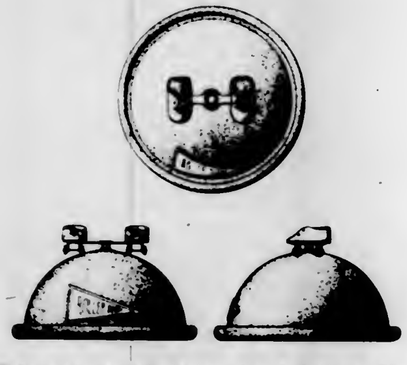
The ornamental design for a portable lantern, as shown.

162,579
CANISTER
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products Inc., Columbus, Ohio, a corporation of Ohio
Application March 10, 1950, Serial No. 8,458
Term of patent 14 years
(Cl. D44—6)



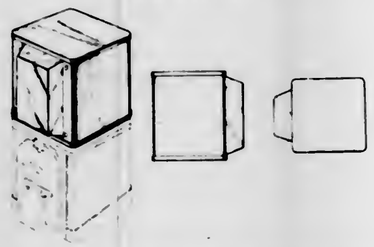
The ornamental design for a canister, substantially as shown and described.

162,580
HAT OR SIMILAR ARTICLE
Aaron Rothchild, Flushing, N. Y.
Application October 5, 1950, Serial No. 12,461
Term of patent 3½ years
(Cl. D3—13)



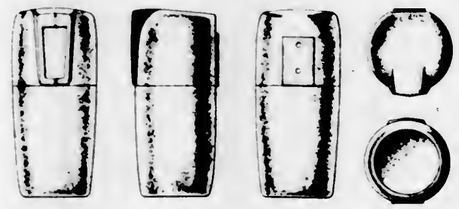
The ornamental design for a hat or similar article, substantially as shown.

162,581
HOUSING FOR VENDING MACHINE
Harold M. Schaef, Chicago, Ill., assignor to Victor Vending Corporation, Chicago, Ill., a corporation of Illinois
Application December 2, 1950, Serial No. 13,237
Term of patent 14 years
(Cl. D52—3)



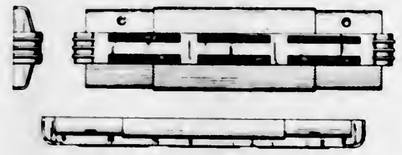
The ornamental design for a housing for vending machine, substantially as shown and described.

162,582
PAPER CUP DISPENSER
Samuel Scherr and French E. Smith, Akron, Ohio, assignors to Charles C. Hall, Akron, Ohio
Application January 28, 1950, Serial No. 7,557
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a paper cup dispenser, as shown.

162,583
MAGNETIC KNIFE AND TOOL HOLDER
Albert S. Schmitman, Cleveland, and Marvin Schmitman, Cleveland Heights, Ohio
Application September 29, 1949, Serial No. 5,212
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a magnetic knife and tool holder, substantially as shown and described.

162,584
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,353
Term of patent 7 years
(Cl. D47—7)



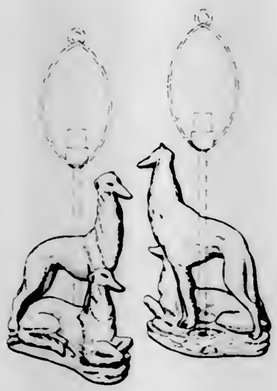
The ornamental design for a sock or similar article, as shown and described.

162,585
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application June 5, 1950, Serial No. 10,360
Term of patent 7 years
(Cl. D47—7)



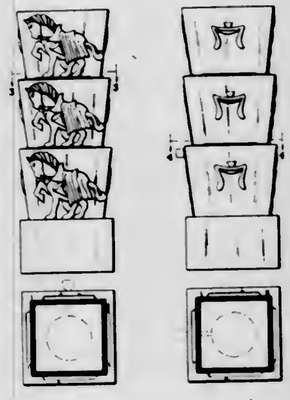
The ornamental design for a sock or similar article, as shown and described.

162,586
LAMP BASE
Lee Secrist, Euclid, Ohio, assignor to Phil-Mar Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1950, Serial No. 10,793
Term of patent 3½ years
(Cl. 48—20)



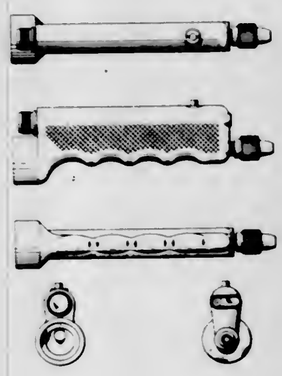
The ornamental design for a lamp base, substantially as shown and described.

162,587
TABLE LAMP
Lee Secrist, Euclid, Ohio, assignor to Phil-Mar Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1950, Serial No. 10,794
Term of patent 3½ years
(Cl. 48—20)



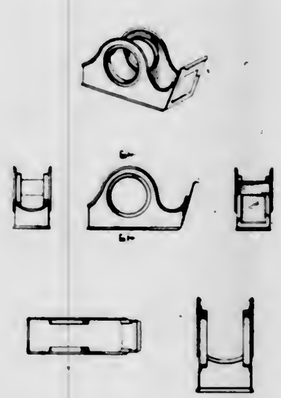
The ornamental design for a table lamp, substantially as shown and described.

162,588
CAR WASHING GUN OR SIMILAR ARTICLE
Leo G. Simms, Glendale, Calif., assignor to Winkitty Products, Inc., Kansas City, Mo., a corporation of Missouri
Application May 24, 1949, Serial No. 2,839
Term of patent 14 years
(Cl. D62—2)



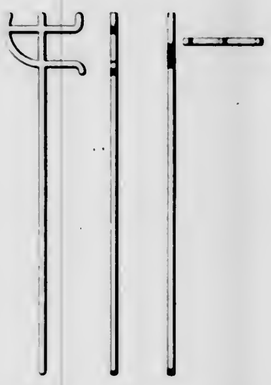
The ornamental design for a car washing gun or similar article, substantially as shown.

162,589
TAPE DISPENSER
Alexander J. Stanley, North Brunswick Township, Middlesex County, and James Shane Nicholls, Jr., Kingston, N. J., assignors to Industrial Tape Corporation, a corporation of New Jersey
Application August 4, 1948, Serial No. 147,926
Term of patent 14 years
(Cl. D74—1)



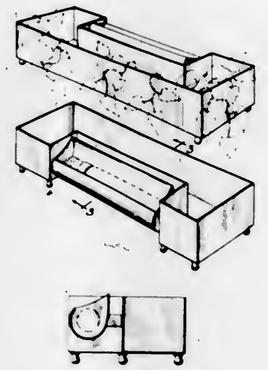
The ornamental design for a tape dispenser, as shown.

162,590
COMBINATION CANE AND RACK OR THE LIKE
Osborne C. Stanley, Winter Haven, Fla.
Application November 15, 1950, Serial No. 12,994
Term of patent 7 years
(Cl. D88—4)



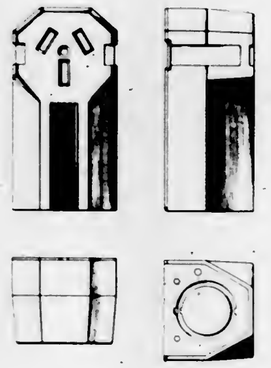
The ornamental design for a combination cane and rack or the like, as shown.

162,591
PLANTER LIGHT OR SIMILAR ARTICLE
Ruth Ann Stevens, Wichita, Kans.
Application May 7, 1949, Serial No. 2,514
Term of patent 7 years
(Cl. D48—20)



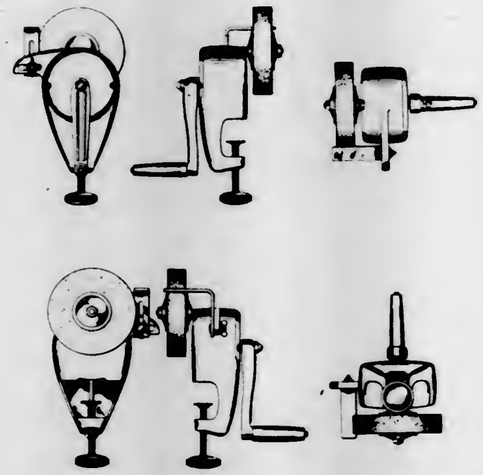
The ornamental design for a planter light or similar article, substantially as shown, and described.

162,592
HEAVY-DUTY ELECTRIC RECEPTACLE
Ira E. Swart, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 4, 1950, Serial No. 13,262
Term of patent 14 years
(Cl. D26—1)



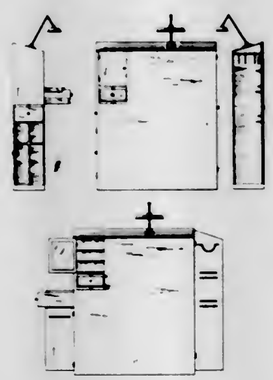
The ornamental design for a heavy-duty electric receptacle, substantially as shown.

162,593
GRINDER
Robert E. Sykes, Sheboygan, Wis., assignor to American Hydraulics, Inc., Sheboygan, Wis., a corporation
Application February 13, 1950, Serial No. 7,909
Term of patent 3½ years
(Cl. D37—1)



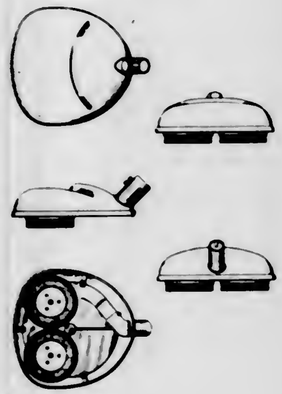
The ornamental design for a grinder, as shown.

162,594
WARDROBE CABINET
Daniel Tames, Chicago, Ill.
Application May 10, 1950, Serial No. 9,843
Term of patent 14 years
(Cl. D33—19)



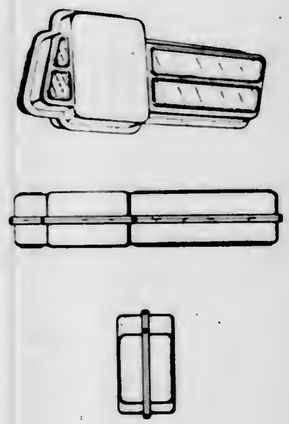
The ornamental design for a wardrobe cabinet, substantially as shown.

162,595
AIR-DRIVEN FLOOR POLISHER
William T. Theis, North Hollywood, and Leland W. Green, Malibu, Calif., assignors to Interstate Engineering Corporation, El Segundo, Calif., a corporation of California
Application August 12, 1950, Serial No. 11,742
Term of patent 14 years
(Cl. D9—2)



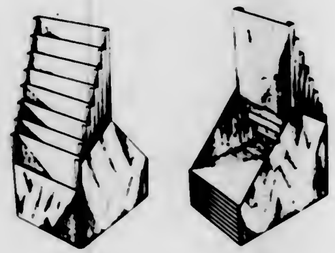
The ornamental design for an air-driven floor polisher, substantially as shown.

162,596
SIGN
Charles E. Trame, Lima, Ohio, assignor to International Harvester Company, a corporation of New Jersey
Application October 28, 1950, Serial No. 12,768
Term of patent 7 years
(Cl. D1—12)



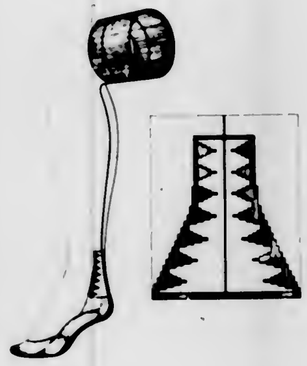
The ornamental design for a sign, as shown and described.

162,597
DISPLAY STAND OR SIMILAR ARTICLE
Victor Turner, New York, N. Y.
Application August 18, 1950, Serial No. 11,829
Term of patent 3½ years
(Cl. D80—9)



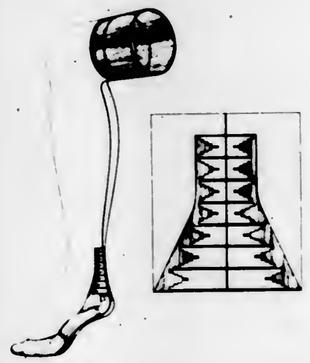
The ornamental design for a display stand or similar article, as shown.

162,598
LADY'S STOCKING
Willy M. Vogler, Shillington, Pa.
Application July 3, 1950, Serial No. 10,935
Term of patent 7 years
(Cl. D47—7)



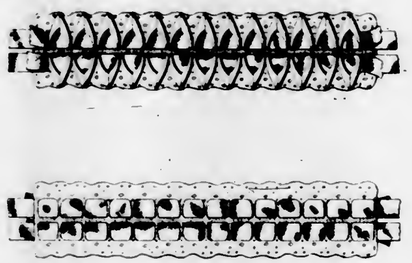
The ornamental design for a lady's stocking, as shown.

162,599
LADY'S STOCKING
Willy M. Vogler, Shillington, Pa.
Application July 3, 1950, Serial No. 10,936
Term of patent 7 years
(Cl. D47—7)



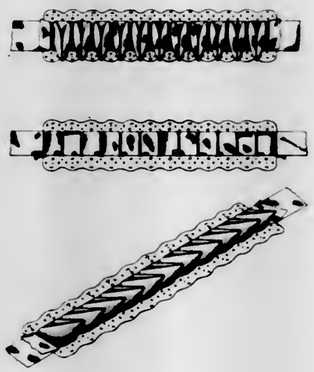
The ornamental design for a lady's stocking, as shown.

162,600
RIBBON-RUN TRIMMING
Mary Ina Walden, Castle Rock, Wash.
Application October 1, 1949, Serial No. 5,251
Term of patent 14 years
(Cl. D3—32)



The ornamental design for a ribbon-run trimming, as shown and described.

162,601
RIBBON-RUN BEADING
Mary Ina Walden, Castle Rock, Wash.
Application October 1, 1949, Serial No. 5,252
Term of patent 14 years
(Cl. D3—32)



The ornamental design for a ribbon-run beading, as shown and described.

162,602
TEXTILE FABRIC
Phyllis Wayne, Los Angeles, Calif., assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif., a corporation of California
Application June 15, 1948, Serial No. 146,985
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, as shown and described.

162,603
PAIR OF SPECTACLES
Harry Weissman, New Hyde Park, N. Y.
Application January 18, 1951, Serial No. 13,867
Term of patent 7 years
(Cl. D57—1)



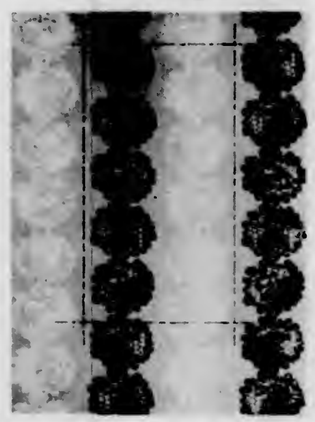
The ornamental design for a pair of spectacles, substantially as shown and described.

162,604
TABLE FRAME
Oscar J. Wiethoff, Hollywood, Calif.
Application April 14, 1950, Serial No. 9,210
Term of patent 14 years
(Cl. D33—14)



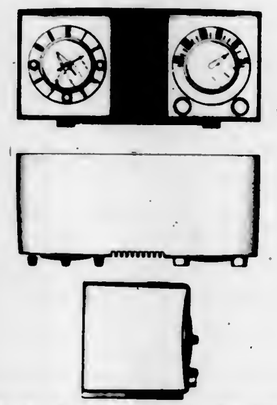
The ornamental design for a table frame, as shown.

162,605
TEXTILE FABRIC
Arnold Zavell, New York, N. Y., assignor to The Fabricmart Corporation, New York, N. Y., a corporation of New York
Application November 30, 1950, Serial No. 13,200
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, as shown and described.

162,606
COMBINATION RADIO RECEIVER AND CLOCK
Herbert J. Zeller, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application November 14, 1950, Serial No. 12,965
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a combination radio receiver and clock, substantially as shown.

March 27, 1951 Volume 644 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Anticoagulant. Serial No. 597,481, Mar. 27. Class 18.

Acoustics, Inc., Philadelphia, Pa. Asbestos fibre and binder. Serial No. 589,361, Mar. 27. Class 12.

Adco Carburetor Exchange, Inc., Fort Meyers, Fla. Rebuilt carburetors. Serial No. 540,016, Mar. 27. Class 23.

Air Carrier Service Corporation, Wilmington, Del., and Washington, D. C. Procurement of aviation equipment and supplies, etc. Serial No. 561,543, Mar. 27. Class 100.

Allied Drugs, Inc., Hackensack, N. J. Medicinal preparation. Serial No. 589,757, Mar. 27. Class 18.

Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Anthelmintic preparation. Serial No. 577,646, Mar. 27. Class 18.

American Car and Foundry Company, New York, N. Y. Valve operating wrenches, floor stands, valve operating mechanism, etc. Serial No. 556,236, Mar. 27. Class 23.

American Cyanamid Company, New York, N. Y. Antibiotics and chemo-therapeutic agents. Serial No. 573,861, Mar. 27. Class 18.

American Floor Surfacing Machine Company, The, Toledo, Ohio. Portable abrasive sanding machines. Serial No. 585,780, Mar. 27. Class 21.

American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Sponge rubber pillows, cushions, mattresses. Serial No. 597,247, Mar. 27. Class 32.

American Home Foods, Inc., New York, N. Y. Coffee concentrate. Serial No. 597,807, Mar. 27. Class 46.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Boilers, air heating furnaces, and oil burners. Serial Nos. 601,087–8, Mar. 27. Class 34.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, rouge and nail polish. Serial No. 595,301, Mar. 27. Class 51.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 575,518, Mar. 27. Class 19.

Aron, J., & Company, Inc., New Orleans, La. Green coffee. Serial No. 573,820, Mar. 27. Class 46.

Arrowhead, Inc., Denver, Colo. Photographic equipment. Serial No. 535,214, Mar. 27. Class 26.

B & T Metals Company, The, Columbus, Ohio. Extruded aluminum architectural mouldings. Serial No. 585,987, Mar. 27. Class 12.

Bantam Books, Inc., New York, N. Y. Books. Serial No. 599,608, Mar. 27. Class 38.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 597,657, Mar. 27. Class 42.

Barwa Associates, Chicago, Ill. Chairs. Serial No. 568,570, Mar. 27. Class 32.

Bausch & Lomb Optical Company, Rochester, N. Y. Telescopic sights. Serial No. 588,627, Mar. 27. Class 26.

Bausch & Lomb Optical Company, Rochester, N. Y. Telescopic sights. Serial No. 588,629, Mar. 27. Class 26.

Bennett, Ruth V., New York, N. Y. Original writings or short poems. Serial No. 577,652, Mar. 27. Class 38.

Beverly Vogue Company, Los Angeles, Calif. Girdles and pantie girdles. Serial No. 597,494, Mar. 27. Class 39.

Bioresearch Laboratories: *See*—
Chiego, Bernard.

Blaisdell, George G., doing business as Zira Laboratories, Bradford, Pa. Preparation for preventing suntan peeling. Serial No. 600,643, Mar. 27. Class 51.

Borden Import Corp., New York, N. Y. Men's hats. Serial No. 592,752, Mar. 27. Class 39.

Bostitch, Inc., Providence, R. I., and Pawcatuck, Town of Stonington, Conn. Staples. Serial No. 598,782, Mar. 27. Class 13.

Botany Mills, Inc., Passaic, N. J. Toilet soap. Serial No. 580,919, Mar. 27. Class 52.

Brand Products Company: *See*—
Waldman, Harry A.

Brayten Pharmaceutical Company, Chattanooga, Tenn. Feminine hygiene preparations. Serial No. 598,059, Mar. 27. Class 18.

Breck, John H., Inc., Springfield, Mass. Preparations for the treatment of the hair and scalp. Serial No. 585,266, Mar. 27. Class 51.

Brenner, Raymond: *See*—
Brenner, Raymond, Inc.

Brenner, Raymond, Inc., also trading as Raymond Brenner, Youngstown, Ohio. Leather and leather-trimmed articles. Serial No. 592,414, Mar. 27. Class 3.

Bud Type Cleaner, Inc., Baltimore, Md. Cleaner for typewriter and printing type. Serial No. 595,028, Mar. 27. Class 52.

Buffalo Brake Beam Company, New York, N. Y. Railway car brake beams and parts thereof. Serial No. 594,881, Mar. 27. Class 19.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. Serial Nos. 574,889–90, Mar. 27. Class 22.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. Serial No. 574,893, Mar. 27. Class 22.

Burnham Corporation, Irvington, N. Y. Publication. Serial No. 599,363, Mar. 27. Class 38.

California Frozen Foods, Inc., assignee of Wilbur-Ellis Company, Modesto, Calif. Frozen fresh deciduous fruits and frozen fresh vegetables. Serial No. 569,114, Mar. 27. Class 46.

California Research Corporation, Wilmington, Del., and San Francisco, Calif. Research, development, and consultation services. Serial No. 545,076, Mar. 27. Class 100.

Carpenter, Jean, Clayton, Mo. Miniature representation of trees, shrubs, flowers, etc. Serial No. 598,063, Mar. 27. Class 50.

Casite Corporation, The, assignor to Hastings Manufacturing Company, Hastings, Mich. Cartridges for oil filters. Serial No. 597,384, Mar. 27. Class 31.

Cato Oil and Grease Company, Oklahoma City, Okla. Lubricating motor oils. Serial No. 577,514, Mar. 27. Class 15.

Challenge Machinery Company, The, Grand Haven, Mich. Precision equipment. Serial No. 565,477, Mar. 27. Class 26.

Chemical Coatings Corporation, The, Rocky Hill, Conn. Clear and colored lacquer and synthetic resinous and phenolic coating. Serial No. 554,208, Mar. 27. Class 16.

Chiego, Bernard, doing business as Bioresearch Laboratories, Newark, N. J. Cosmetic or cream lotion. Serial No. 575,244, Mar. 27. Class 51.

Chipman Chemical Company, Inc., Bound Brook, N. J. Weed killing chemical. Serial No. 573,116, Mar. 27. Class 6.

Citation Hats of Distinction: *See*—
Mid City Uniform Cap Co.

Cochran, Jacqueline, Inc., Newark, N. J. Lipstick. Serial No. 598,241, Mar. 27. Class 51.

Cochran, Jacqueline, Inc., Newark, N. J. Lipstick. Serial No. 598,243, Mar. 27. Class 51.

Cocobelle, Inc., Tampa, Fla. Non-alcoholic, maltless soft drink. Serial Nos. 581,935–6, Mar. 27. Class 45.

Colson Corporation, The, Elyria, Ohio. Barrel trucks, box trucks, and hand trucks and structural parts. Serial No. 586,080, Mar. 27. Class 19.

Columbia Fastener Company, Chicago, Ill. Needles. Serial No. 593,055, Mar. 27. Class 40.

Commer Cars Limited, Coventry, England. Commercial motor road vehicles. Serial No. 568,937, Mar. 27. Class 19.

Confections, Inc., Chicago, Ill. Seasoned popcorn. Serial No. 561,885, Mar. 27. Class 46.

Conversation Fabrics: *See*—
Granichstadten, Pauline, Inc.

Cooper, Elizabeth M., Litchfield, Conn., assignor to Robert W. Lehrfeld, Inc., New York, N. Y. Brushes. Serial No. 575,572, Mar. 27. Class 29.

Copper Alloy Foundry Co., The, Hillside, N. J. Pipe fittings and valves. Serial No. 601,257, Mar. 27. Class 13.

Corning Glass Works, Corning, N. Y. Glass vessels; glass bowls; etc. Serial No. 552,435, Mar. 27. Class 33.

Coty, Inc., New York, N. Y. Skin lotion. Serial No. 591,839, Mar. 27. Class 51.

Couture Farms, Modesto, Calif. Fresh cantaloupes and fresh grapes. Serial No. 597,875, Mar. 27. Class 46.

Coventry Ware, Inc., Barberton, Ohio. Figurines and animal figures. Serial No. 594,893, Mar. 27. Class 50.

Crum, L. H., Quitman, Ga. 100% pure canned horse meat. Serial No. 556,250, Mar. 27. Class 46.

Culpeper House Limited, London, England. Medicinal herbal preparations. Serial No. 577,565, Mar. 27. Class 18.

Cussins and Fearn Company, The, Columbus, Ohio. Lubricating oils and greases. Serial No. 551,619, Mar. 27. Class 15.

Dalton Foundries, Inc., The, Warsaw, Ind. Vehicle jacks. Serial No. 595,656, Mar. 27. Class 23.

Danly Machine Specialties, Inc., Chicago, Ill. Dowel pins, cap screws, set screws, etc. Serial No. 583,430, Mar. 27. Class 13.

Decca Records, Inc., New York, N. Y. Grooved phonograph records. Serial No. 595,945, Mar. 27. Class 36.

Decyl Pharmacal Company, assignor to Decyl Pharmacal Company, Princeton, N. J. Medicinal compound. Serial No. 574,089, Mar. 27. Class 18.

Dr. Pepper Company, Dallas, Tex. Nonalcoholic maltless beverages. Serial No. 601,026, Mar. 27. Class 45.

Dolge, C. B., Company, The, Westport, Conn. Hand cleaning composition. Serial No. 592,556, Mar. 27. Class 52.

Doray Lamp Co., Inc., Chicago, Ill. Automobile accessories. Serial No. 557,441, Mar. 27. Class 19.

Dow Chemical Company, The, Midland, Mich. Synthetic organic chemical. Serial No. 584,483, Mar. 27. Class 6.
Dubled, Edouard, & Cie., Societe Anonyme, Couvet Neuchatel, Switzerland. Structural and replacement parts of and accessories for bicycles, etc. Serial Nos. 544,983–4, Mar. 27. Class 19.
Dunham House Products: *See*— Rose, James H.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Mixture of resinous materials and solvents. Serial No. 590,496, Mar. 27. Class 5.
Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Repair and replacement parts for mine vehicles. Serial No. 580,878, Mar. 27. Class 19.
Eastman Kodak Company, assignee: *See*— Tennessee Eastman Corporation.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Sensitized photographic paper. Serial No. 585,637, Mar. 27. Class 26.
Electrolux Corporation, Dover, Del., and New York, N. Y. Air filters. Serial No. 600,882, Mar. 27. Class 31.
Etablissements Rigaud, Inc., New York, N. Y. Perfume, toilet water, and cologne. Serial No. 567,509, Mar. 27. Class 51.
Eugene Fruit Growers Association, Eugene, Oreg. Canned fruits and vegetables. Serial No. 562,344, Mar. 27. Class 46.
Evanko, John G., Pittsburgh, Pa. Preparation used for stimulating the growth of hair and for scalp irritations. Serial No. 594,608, Mar. 27. Class 51.
Fairfield Laboratories, Inc., Plainfield, N. J. Germicidal detergent and sanitizing preparation. Serial No. 588,207, Mar. 27. Class 52.
Fairmont Foods Company, Omaha, Nebr. Dressed poultry. Serial No. 557,599, Mar. 27. Class 46.
Fairy Silk Mills, Inc., Shillington, Pa. Outer and under wear garments. Serial No. 596,658, Mar. 27. Class 39.
Femode Foundations, Inc., New York, N. Y. Ladies' and misses' corsets, girdles, and corselettes. Serial No. 599,627, Mar. 27. Class 39.
Fischer Industries, Inc., Cincinnati, Ohio. Neutral vegetable oil lubricant. Serial No. 527,471, Mar. 27. Class 15.
Fisher-Price Toys, Inc., East Aurora, N. Y. Magazine periodicals. Serial No. 545,115, Mar. 27. Class 38.
Fitzpatrick, Robert F., & Co., Philadelphia, Pa. Twine and rope. Serial No. 602,682, Mar. 27. Class 7.
Fleming, Paul J., doing business as Sor-Ride Products Co., Portsmouth, Ohio. Insecticides. Serial No. 598,643, Mar. 27. Class 6.
Flo-Bar, Limited, New York, N. Y. Liquid soaps and perfumed soaps. Serial No. 587,470, Mar. 27. Class 52.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 595,195, Mar. 27. Class 42.
Frank Corporation, The, Savannah, Ga. Automobile seat covers and lined brake shoes. Serial No 559,149, Mar. 27. Class 19.
Freeman, Francis A., doing business as Surf Laboratory, Atlantic City, N. J. Emulsion, an oral preparation. Serial No. 581,940, Mar. 27. Class 18.
Garrott Candy Company, St. Paul, Minn. Candies. Serial No. 585,318, Mar. 27. Class 46.
Gem Batteries, Inc., San Fernando, Calif. Storage batteries. Serial No. 597,438, Mar. 27. Class 21.
General American Transportation Corporation, Chicago, Ill. Busses. Serial No. 575,049, Mar. 27. Class 19.
General Fruit & Produce Co.: *See*— Haworth, George.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Adjustable calculating charts. Serial No. 588,575, Mar. 27. Class 26.
"George's Bakery": *See*— Shidler, George W.
Gholson's Hatchery, McLeansboro, Ill. Live baby chicks. Serial No. 589,083, Mar. 27. Class 1.
Glessner Company, The, Findlay, Ohio. Preparation for the treatment of children's coughs, throat and minor bronchial irritations. Serial No. 597,147, Mar. 27. Class 18.
Glyco Products Co. Inc., Brooklyn, N. Y. Natural and synthetic gums, pectins, and alignates. Serial No. 554,020, Mar. 27. Class 6.
Goldsmith Bros., New York, N. Y. Lead pencils. Serial No. 597,270, Mar. 27. Class 37.
Granichstadten, Pauline, Inc., doing business under the name and style of Conversation Fabrics, Wellesley Hills, Mass. Men's under and outer shirts and bathing trunks. Serial No. 597,204, Mar. 27. Class 39.
Grant, H. R., Bakery, The: *See*— Grant, Harvey R.
Grant, Harvey R., doing business as The H. R. Grant Bakery, Chicago, Ill. Bread. Serial No. 516,691, Mar. 27. Class 46.
Great American Tea Company, The, New York, N. Y. Coffee. Serial No. 583,257, Mar. 27. Class 46.
Griggs, Cooper & Company, doing business at Standard Food Mfg. Co., St. Paul, Minn. Soda crackers. Serial No. 578,592, Mar. 27. Class 46.
Gwyer, Frederick D., Ardmore, Pa. Furniture polish. Serial No. 592,564, Mar. 27. Class 4.
Hamilton Manufacturing Corporation, Columbus, Ind. Step ladders. Serial No. 596,918, Mar. 27. Class 50.
Hampshire Paper Company, Inc., Holyoke, Mass. Printing and writing paper. Serial No. 546,155, Mar. 27. Class 37.
Harris & Robbie, Cavalier, N. Dak. Garden and field seeds. Serial No. 551,272, Mar. 27. Class 1.
Harrison Products, Inc., San Francisco, Calif. Medicinal preparation. Serial No. 597,610, Mar. 27. Class 18.
Hastings Manufacturing Company: *See*— Casite Corporation, The.
Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple juice. Serial No. 536,081, Mar. 27. Class 46.
Haworth, George, doing business as General Fruit & Produce Co., Laredo, Tex. Fresh tomatoes. Serial No. 578,500, Mar. 27. Class 46.
Huff & Co.'s Steenfabriek N. V., Gorinchem, Holland. Stones for construction purposes. Serial No. 561,414, Mar. 27. Class 12.
Hopkins & Hopkins Pharmaceutical Co., Inc., Philadelphia, Pa. Drug for the treatment of poultry. Serial No. 571,273, Mar. 27. Class 18.
Horlicks Corporation, Racine, Wis. Powdered malted milk; malted milk in tablet form; etc. Serial No. 589,215, Mar. 27. Class 46.
Hosid Products Inc., Syracuse, N. Y. Liquid cleaner. Serial No. 596,281, Mar. 27. Class 52.
Howard Dustless Duster Co., Boston and Dorchester, Mass. Wet mops and dusters. Serial No. 577,433, Mar. 27. Class 29.
Hudnut, Richard, New York, N. Y. Perfume and toilet water. Serial No. 579,416, Mar. 27. Class 51.
Hudnut, Richard, New York, N. Y. Talcum powder. Serial No. 579,417, Mar. 27. Class 51.
Hull Product Corporation, Portland, Oreg. Salt and pepper shakers. Serial No. 550,325, Mar. 27. Class 2.
Hunt, C. Howard, Pen Co., Camden, N. J. Clips. Serial No. 587,332, Mar. 27. Class 13.
Huntington Land and Improvement Company doing business under the name and style of Standard Felt Co., San Marino and Alhambra, Calif. Wool felt. Serial No. 597,081, Mar. 27. Class 50.
I-T-E Circuit Breaker Company, Philadelphia, Pa. Switches. Serial No. 571,973, Mar. 27. Class 21.
Imperial Chemical Industries Limited, London and Millbank, London, England. Piece goods and plastic film. Serial No. 594,791, Mar. 27. Class 42.
Imperial Chemical Industries Limited, London and Millbank, London, assignor to Plant Protection Limited, Yalding, England. Preparation for killing weeds Serial No. 598,476, Mar. 27. Class 6.
Independent Pneumatic Tool Company, Chicago, Ill. Columns, bars, arms, saddles, and clamps for supporting rock drills; etc. Serial No. 555,510, Mar. 27. Class 13.
Industrial Medicine Publishing Company, Chicago, Ill. Periodical publication column. Serial No. 526,344, Mar. 27. Class 38.
Ing. C. Olivetti & C. S. P. A. Ivrea, Italy. Typewriters and parts thereof. Serial No. 595,086, Mar. 27. Class 23.
Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Table tops and counter tops. Serial No. 598,654, Mar. 27. Class 32.
International Lumitype Company, The: *See*— Murphy, Robert E.
International Manufacturing Co., Roxbury Mass. Automobile accessories. Serial No. 575,987, Mar. 27. Class 19.
International Manufacturing Company, Kansas City, Mo. Carpenters', plumbers' and millwrights' levels. Serial No. 584,125, Mar. 27. Class 26.
International Salt Company, Scranton, Pa. Salt dissolving devices. Serial No. 582,689, Mar. 27. Class 23.
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Jefferson Island Salt Company, Louisville, Ky. Salt. Serial No. 582,964, Mar. 27. Class 46.
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Joannes Brothers Company, doing business as Northwest Warehousing Co., Green Bay, Wis. Canned asparagus, green beans, wax beans, corn, etc. Serial No. 532,459, Mar. 27. Class 46.
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Kalamazoo Sled Company, The, Kalamazoo, Mich. Sleds. Serial No. 585,848, Mar. 27. Class 22.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bread wrapping paper. Serial No. 594,472, Mar. 27. Class 37.
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Kerr, Raymond W., assignee: *See*— Kerr, R. W., Plastic Co.
Kerreo Products: *See*— Kerr, R. W., Plastic Co.
Keystone Mfg. Co., Dorchester and Boston, Mass. Motion picture cameras. Serial No. 601,325, Mar. 27. Class 26.
Krebs, Ernst T., Jr., San Francisco, Calif. Pharmaceutically prepared chymotrypsin. Serial No. 570,967, Mar. 27. Class 18.

Lacrinoid Products Limited, Gidea Park, England. Buttons. Serial No. 592,500, Mar. 27. Class 40.
Lederer de Paris Fifth Avenue, Inc., New York, N. Y. Ladies' hand and shoulder bags, purses, billfolds, etc. Serial No. 598,734, Mar. 27. Class 3.
Lee, Frank H., Company, The, Danbury, Conn., and elsewhere. Men's and women's hats. Serial No. 559,450, Mar. 27. Class 39.
Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, lipstick, cream rouge, and compact rouge. Serial No. 588,693, Mar. 27. Class 51.
Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 599,639, Mar. 27. Class 51.
Lehrfeld, Robert W., Inc.: *See*— Cooper, Elizabeth M.
Lelong, Lucien, Inc., Chicago, Ill. Perfumes. Serial No. 572,107, Mar. 27. Class 51.
Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. Serial No. 495,046, Mar. 27. Class 2.
Lewis, Gilbert L., doing business as Protexall Permanent Process Service, Kansas City, Mo. Transparent cellulose acetate films. Serial No. 557,669, Mar. 27. Class 1.
Life of Wheat Company, Monticello, Ill. Defatted wheat germ. Serial No. 536,103, Mar. 27. Class 46.
Lily-Tulip Cup Corporation, New York, N. Y. Paper cups. Serial No. 581,815, Mar. 27. Class 2.
Manitowoc Cotton Goods Mfg. Co., Manitowoc, Wis. Button protector and/or like pad. Serial No. 580,935, Mar. 27. Class 24.
Marshall Field & Company, Chicago, Ill. Advertising supplement. Serial No. 599,629, Mar. 27. Class 38.
Mass, A. R., Chemical Co., South Gate, Calif., assignor to Victor Chemical Works. Cleaning and washing compounds. Serial No. 583,806, Mar. 27. Class 52.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 595,898, Mar. 27. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 595,902, Mar. 27. Class 18.
McGill Metal Products Company, Marengo, Ill. Mouse and rat traps. Serial No. 578,088, Mar. 27. Class 50.
Messenger Corporation, Auburn, Ind. Greeting cards. Serial No. 589,587, Mar. 27. Class 38.
Metalco, Emeryville, Calif. Frames and joints. Serial No. 516,907, Mar. 27. Class 12.
Meyer Chemical Company, Detroit, Mich. Preparation for anemia. Serial No. 592,646, Mar. 27. Class 18.
Metzger Pharmacal Co., Inc., Rosyln Heights, N. Y. Medicinal preparation. Serial No. 596,039, Mar. 27. Class 18.
Mid City Uniform Cap Co., doing business under the style name of Citation Hats of Distinction, Chicago, Ill. Men's hats. Serial No. 596,614, Mar. 27. Class 39.
Mid-Continent Metal Products Company, Chicago, Ill. Fasteners. Serial No. 531,617, Mar. 27. Class 13.
Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits, coats, vests, etc. Serial No. 588,312, Mar. 27. Class 39.
Midwest Manufacturing Company: *See*— Strupp, Robert F.
Mighty Mite, New York, N. Y. Certain garments for infants and children. Serial No. 591,794, Mar. 27. Class 39.
Mission Dry Corporation, Los Angeles, Calif. Fruit flavors. Serial No. 567,994, Mar. 27. Class 46.
Moran, R. J., Co., Boston, Mass. Medicinal ointment. Serial No. 573,093, Mar. 27. Class 18.
Muffin Syndicate, The, London, England. Puppets. Serial No. 571,102, Mar. 27. Class 22.
Muralo Company, Inc., The, New Brighton and Staten Island, N. Y. Water paint and colors. Serial No. 546,314, Mar. 27. Class 16.
Murphy, Robert E., doing business as The International Lumitype Company, West Roxbury, Mass. Photocomposing apparatus. Serial No. 571,352, Mar. 27. Class 26.
Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Bicycles. Serial No. 560,124, Mar. 27. Class 19.
Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Bicycles. Serial No. 560,126, Mar. 27. Class 19.
Musante, Wm., & Co., doing business as Musco Grocery Company, and Musco Cash & Carry Grocery Company, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. Serial No. 583,164, Mar. 27. Class 46.
Musco Cash & Carry Grocery Company: *See*— Musante, Wm., & Co.
Musco Grocery Company: *See*— Musante, Wm., & Co.
Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Dextrine-maltose food preparation. Serial No. 570,905, Mar. 27. Class 46.
National Chemical & Manufacturing Company, Chicago, Ill. Synthetic rubber emulsion paint. Serial No. 597,972, Mar. 27. Class 16.
National Electrical Contractors Association, Washington, D. C. Repairing and installing electrical equipment. Serial No. 574,917, Mar. 27. Class 103.
National Production Company, Detroit, Mich. Children's step ladder. Serial No. 566,357, Mar. 27. Class 50.
National Sewing Machine Company, Belvidere, Ill. Electric sewing machines and attachments. Serial No. 596,512, Mar. 27. Class 23.
National Steel Corporation, Pittsburgh, Pa. Metallic ribbed roofing sheets. Serial No. 538,949, Mar. 27. Class 12.
New-Ra-Lize Products, Westfield, Mass. Finishing, cleaning and polishing materials. Serial No. 589,329, Mar. 27. Class 4.
New Jersey Zinc Company, The, New York, N. Y. Zinc oxide for use in paints and in ingredients thereof. Serial No. 568,269, Mar. 27. Class 16.
Nicholson, H. R., Company, The, doing business as The Syrup Products Company, Baltimore, Md. Synthetic orange concentrate. Serial No. 539,428, Mar. 27. Class 45.
Norman Cycles Limited, Ashford, England. Bicycles, adults' tricycles, motor cycles, etc. Serial No. 562,217, Mar. 27. Class 19.
Northwest Warehousing Co.: *See*— Joannes Brothers Company.
Ogren, Marie, San Mateo, Calif. Skin lotion. Serial No. 585,807, Mar. 27. Class 51.
Omikron-Gagliardi, Milan, Italy. Pharmaceutical preparation. Serial No. 572,760, Mar. 27. Class 18.
Ostby and Barton Company, Providence, R. I. Jewelry. Serial No. 597,010, Mar. 27. Class 28.
P & M Manufacturing Company, Los Angeles, Calif. Drain pipe solvent. Serial No. 588,318, Mar. 27. Class 52.
Pacific Compound and Manufacturing Company, Seattle, Wash. Laundry detergents. Serial No. 594,330, Mar. 27. Class 52.
Pacific Laminates, Costa Mesa, Calif. Fishing rod blanks. Serial No. 597,776, Mar. 27. Class 22.
Pacific Mills, Boston, Mass., and New York, N. Y. Composition for treating cotton piece goods, etc. Serial No. 596,749, Mar. 27. Class 6.
Patentes Talgo, S. A., Madrid, Spain. Railway cars and structural parts thereof. Serial No. 592,334, Mar. 27. Class 19.
Peerless Camera Stores, Inc., New York, N. Y. Photographic apparatus. Serial Nos. 600,225–6, Mar. 27. Class 26.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 564,464, Mar. 27. Class 6.
Permanente Cement Company, Oakland, Calif. Plastic Portland cement compound. Serial No. 584,919, Mar. 27. Class 12.
Permanente Cement Company, Oakland, Calif. Hydraulic cement. Serial No. 584,920, Mar. 27. Class 12.
Permanente Cement Company, Oakland, Calif. Modified high early strength cement. Serial No. 587,584, Mar. 27. Class 12.
Petroleum Solvents Corporation, New York, N. Y. Chemical solvent. Serial No. 595,977, Mar. 27. Class 15.
Piatt Products Corporation, Lansing, Mich. Magnesium rods. Serial No. 600,190, Mar. 27. Class 21.
Pierce, F. O., Company, Long Island City, N. Y. Ready-mixed gloss paint. Serial No. 595,090, Mar. 27. Class 16.
Pierce & Stevens, Inc., Buffalo, N. Y. Liquid chemical composition. Serial No. 589,273, Mar. 27. Class 16.
Pine, Wm. S., Los Angeles, Calif. Industrial lifting jacks. Serial No. 587,747, Mar. 27. Class 23.
Pinkham, Lydia E., Medicine Company, Lynn, Mass. Antacid, gastric sedative. Serial No. 572,376, Mar. 27. Class 18.
Pitman-Moore Co.: *See*— Allied Laboratories, Inc.
Plant Protection Limited, assignee: *See*— Imperial Chemical Industries Limited.
Prime Products, Inc., Tampa, Fla. Canned orange concentrate product. Serial No. 597,905, Mar. 27. Class 46.
Protexall Permanent Process Service: *See*— Lewis, Gilbert L.
Pugh, Charles H., Limited, Birmingham, England. Lawn mowers. Serial No. 598,678, Mar. 27. Class 23.
Puppy Products, Inc., Chicago, Ill. Food additive for puppies. Serial No. 583,889, Mar. 27. Class 18.
Quaker Rubber Corporation, Philadelphia, Pa. Rubber matting or runners. Serial No. 574,457, Mar. 27. Class 50.
Rainwater, Inc., New York and Rye, N. Y. Shampoo. Serial No. 593,243, Mar. 27. Class 52.
Rehels Company, Inc., Berkeley Heights, N. J. Aluminum chloride, for use as an astringent, etc. Serial No. 587,150, Mar. 27. Class 51.
Rejane, Inc., New York, N. Y. Perfumes, toilet waters, eau de cologne, etc. Serial No. 566,102, Mar. 27. Class 51.
Reliance Trailer & Truck Co. Inc., San Francisco, Calif. Heavy-duty trailers, chassis and bodies for trailers, etc. Serial No. 558,595, Mar. 27. Class 19.
Reynolds Metals Company, Richmond, Va. Aluminum shingles and roofing. Serial No. 580,147, Mar. 27. Class 12.

Robbins & Burke, Inc., Cambridge, Mass. Automotive truck bodies. Serial No. 574,926, Mar. 27. Class 19.
Robinson-Lloyds, Ltd., New York, N. Y. Corks. Serial No. 590,914, Mar. 27. Class 50.
Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Cigars, cigarettes, smoking and chewing tobacco. Serial No. 544,110, Mar. 27. Class 17.
Rodriguez, Salvador, Inc., Tampa, Fla. Cigars. Serial No. 601,519, Mar. 27. Class 17.
Rose, James H., doing business as Dunham House Products, Long Island City, N. Y. Insecticides. Serial No. 573,265, Mar. 27. Class 6.
Schadt & Mathewson, Detroit, Mich. Down wool and cotton comforters, pillow protectors, mattress covers, etc. Serial No. 597,628, Mar. 27. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 565,378, Mar. 27. Class 18.
Schering Corporation, Bloomfield, N. J. Oral cholecystographic agent. Serial No. 574,248, Mar. 27. Class 18.
Schering Corporation, Bloomfield, N. J. Analgesic and antipyretic. Serial No. 578,637, Mar. 27. Class 18.
Schering Corporation, Bloomfield, N. J. Anesthetic antibiotic troche. Serial No. 578,829, Mar. 27. Class 18.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. Serial No. 601,335, Mar. 27. Class 48.
Schwab Furnace Co., Milwaukee, Wis. Incinerators. Serial No. 601,337, Mar. 27. Class 34.
Seidlitz Paint & Varnish Company, Kansas City, Mo. Paint. Serial No. 598,326, Mar. 27. Class 16.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic preparation. Serial No. 574,546, Mar. 27. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiallergenic preparation. Serial No. 577,816, Mar. 27. Class 18.
Shellmar Products Corporation, Chicago, Ill. Bag type containers. Serial No. 539,093, Mar. 27. Class 2.
Shidler, George W., doing business as "George's Bakery," National City, Calif. Sweet rolls. Serial No. 595,746, Mar. 27. Class 46.
Shopportunity, Inc., New York, N. Y. Shopping service. Serial No. 564,354, Mar. 27. Class 102.
Sleetex Company, Inc., The, New York, N. Y. Windshield wiper blades and adapters. Serial No. 588,111, Mar. 27. Class 19.
Smith, Robert E., New York, N. Y. Sweaters, apparel belts, neckties, etc. Serial No. 580,002, Mar. 27. Class 39.
Sor-Ride Products Co.: *See*—
Fleming, Paul J.
Soulé Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Steel window frames and doors, etc. Serial No. 554,824, Mar. 27. Class 12.
Standard Felt Co.: *See*—
Huntington Land and Improvement Company.
Standard Food Mfg. Co.: *See*—
Griggs, Cooper & Company.
Standard Gypsum Company of California, assignor to Kaiser Industries, Inc., Oakland, Calif. Gypsum plaster, gypsum stucco, gypsum lath and gypsum wallboard. Serial No. 552,892, Mar. 27. Class 12.
Standard Knitting Mills, Inc., Knoxville, Tenn. Men's, boys' and children's underwear, infants' and children's sleepers, etc. Serial No. 592,399, Mar. 27. Class 39.
Standard Knitting Mills, Inc., Knoxville, Tenn. Children's sleeping garments. Serial No. 597,236, Mar. 27. Class 39.
Steiner-Block Paper Corp., Los Angeles, Calif. Facial and toilet tissue. Serial No. 598,217, Mar. 27. Class 37.
Steiner-Koppel, Inc., Freehold, N. J. Men's and ladies' pajamas, lounge-suits, play-suits and sport-suits. Serial No. 597,634, Mar. 27. Class 39.
Stern, Henri, Watch Agency, Inc., The, New York, N. Y. Watches. Serial No. 597,175, Mar. 27. Class 27.
Strupp, Robert F., doing business as Midwest Manufacturing Company, Minneapolis, Minn. Walk-in coolers and walk-in freezers. Serial No. 549,680, Mar. 27. Class 31.
Sunbeam Corporation, Chicago, Ill. Electric sadirons. Serial No. 590,529, Mar. 27. Class 21.
Sunbeam Corporation, Chicago, Ill. Electrical appliances. Serial No. 590,530, Mar. 27. Class 21.
Superior Pharmacal Co., The, Dayton, Ohio. Enteric coated medicinal tablets. Serial No. 589,689, Mar. 27. Class 18.
Surf Laboratory: *See*—
Freeman, Francis A.
Swing-Spout Measure Company, Los Angeles, Calif. Can openers. Serial No. 541,477, Mar. 27. Class 23.
Syrup Products Company, The: *See*—
Nicholson, H. R., Company, The.
Taylor-Reed Corporation, The, Glenbrook, Conn. Piecrust and pastry mix and frosting mixes. Serial No. 598,442, Mar. 27. Class 46.
Tennessee Eastman Corporation, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Chemical preparation for use as an inhibitor to retard deterioration of food, etc. Serial No. 556,849, Mar. 27. Class 46.
Tepper Company, The, New York, N. Y. Non-prescription sun glasses. Serial No. 573,456, Mar. 27. Class 26.
Thompson, Marvin R., Inc., Stamford, Conn. Laxative medicine. Serial No. 584,645, Mar. 27. Class 18.
Thorp Sporting Goods, Inc., New York, N. Y. Footballs, basketballs, soccer balls, etc. Serial No. 579,572, Mar. 27. Class 22.
Tilo Roofing Company, Inc., Stratford, Conn. Roofing materials. Serial No. 524,636, Mar. 27. Class 12.
Topic Toys: *See*—
Trager, David C.
Trager, David C., doing business as Topic Toys, Chicago, Ill. Children's feeding device. Serial No. 578,467, Mar. 27. Class 22.
Tri-Chem Corporation, Kearny, N. J. Waterproof marking paints. Serial No. 584,558, published Mar. 27. Class 16.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 590,292, Mar. 27. Class 46.
Tru-Rite, Inc., New York, N. Y. Carbon paper. Serial Nos. 525,712–13, Mar. 27. Class 11.
Truval Manufacturers, Inc., New York, N. Y. Business shirts. Serial No. 595,234, Mar. 27. Class 39.
Ullman Company, Inc., The, Brooklyn, N. Y. Place mats. Serial No. 599,290, Mar. 27. Class 50.
Union Steel Products Company, Albion, Mich. Metal clothes drying racks. Serial No. 581,630, Mar. 27. Class 24.
United Helicopters, Inc., Palo Alto, Calif. Helicopters. Serial No. 581,502, Mar. 27. Class 19.
U. S. Slicing Machine Company, Inc., La Porte, Ind. Food handling machines and parts thereof and therefor. Serial No. 553,756, Mar. 27. Class 23.
United States Steel Corporation, New York, N. Y. Baleties, cuspidors, drip and dust pans, etc. Serial No. 588,243, Mar. 27. Class 13.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 576,430, Mar. 27. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial Nos. 597,181–2, Mar. 27. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial Nos. 597,988–9, Mar. 27. Class 18.
Usines Metallurgiques de Vallorbe, Vallorbe, Switzerland. Files, rasps, gravers, etc. Serial No. 582,365, Mar. 27. Class 23.
Vale Chemical Company, Inc., The, Allentown, Pa. Methamphetamine hydrochloride tablet. Serial No. 585,966, Mar. 27. Class 18.
Victor Chemical Works, assignee: *See*—
Mass, A. R., Chemical Co.
Wahl Products, Incorporated, Eau Claire, Wis. Minnow buckets, fishing rods, and tackle boxes. Serial No. 587,097, Mar. 27. Class 22.
Waldman, Harry A., doing business under the name Brand Products Company, Philadelphia, Pa. Tablet that retards hunger. Serial No. 596,369, Mar. 27. Class 18.
Wallace, Lillian, Inc., Chicago, Ill. Cuticle removing preparations and nail polish. Serial No. 581,222, Mar. 27. Class 51.
Walsh Refractories Corporation, St. Louis, Mo. Refractories in the form of brick, standard shapes, etc. Serial No. 570,674, Mar. 27. Class 12.
Wesel Manufacturing Company, Scranton, Pa. Beveling, routing, sawing and trimming machines, etc. Serial No. 517,758, Mar. 27. Class 23.
Westberg Manufacturing Co.: *See*—
Westberg, Vivian L.
Westberg, Vivian L., doing business as Westberg Manufacturing Co., Chicago, Ill. Electric speed indicators. Serial No. 588,778, Mar. 27. Class 26.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, and loose writing paper. Serial No. 526,169, Mar. 27. Class 37.
Whitehall Manufacturing Company, Inc., Atlanta, Ga. Automobile seat covers. Serial No. 540,225, Mar. 27. Class 19.
Wilbur-Ellis Company: *See*—
California Frozen Foods, Inc.
Williams, Priscilla M., doing business as Priscilla M. Williams Mfg. Co., Gary, Ind. Hair preparation. Serial No. 596,695, Mar. 27. Class 51.
Williams, Priscilla M., Mfg. Co.: *See*—
Williams, Priscilla M.
Winthrop-Stearns Inc., New York, N. Y. Preparation for treatment of arthritis and other conditions due to adrenal failure. Serial No. 595,181, Mar. 27. Class 18.
Wocher, H. M., & Son, Company, Philadelphia, Pa. Ready-mixed paints, paint-enamels, lacquers, etc. Serial No. 576,604, Mar. 27. Class 16.
Woody's Cheese Company, Green Bay, Wis. Cheese food. Serial No. 574,656, Mar. 27. Class 46.
Wynlit Pharmaceuticals, Inc., New York, N. Y. Combination of vitamin C and vitamin P factors. Serial No. 598,402, Mar. 27. Class 18.
Yanks-Herbsleb Manufacturing Corp., Houston, Tex. House trailers. Serial No. 584,785, Mar. 27. Class 19.
Zephyr American Corporation, New York, N. Y. Visible card filing device. Serial No. 599,472, Mar. 27. Class 32.
Zira Laboratories: *See*—
Blaisdell, George G.
Zunino-Altman, Inc., New York, N. Y. Artificial flowers. Serial No. 579,852, Mar. 27. Class 50.

LIST OF REGISTRANTS OF TRADE-MARKS

Abelson Bedding Co.: *See*—
Abelson, David.
Abelson, David, doing business as Abelson Bedding Co., Brooklyn, N. Y. Mattresses and studio couches. 540,067, Mar. 27; Serial No. 590,966, published Dec. 26, 1950. Class 32.
Adams, William, Limited, Birmingham, England. Candlesticks, candelabras, and candle snuffers. 539,909, Mar. 27; Serial No. 575,107, published Dec. 26, 1950. Class 34.
Adler Company, The, Cincinnati, Ohio. Knitted socks. 444,453, Mar. 27; Serial No. 525,757, published May 17, 1949. Class 39.
Alamo Pottery, Inc., San Antonio, Tex. Vitreous china plumbing fixtures. 539,874, Mar. 27; Serial No. 560,837, published Jan. 2, 1951. Class 13.
Allard Motor Company, Ltd., London, England. Motor cars. 540,234, Mar. 27; Serial No. 587,420. Class 19.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformers and parts thereof. 540,176, Mar. 27; Serial No. 596,768, published Jan. 2, 1951. Class 21.
Alnik Co., The: *See*—
Gallegos, Everett A.
Alpha Tank & Sheet Metal Mfg. Co., The, St. Louis, Mo. Boiler breechings; unit air heaters, etc. 283,209, renewed May 19, 1951. O. G. Mar. 27. Class 34.
Altman, B., & Co., New York, N. Y. Combined air conditioning and heating or cooling units; heating devices. 539,896, Mar. 27; Serial No. 570,173, published Dec. 5, 1950. Class 34.
Altman, B., & Co., New York, N. Y. Men's suits, sport coats, topcoats, and overcoats. 540,023, Mar. 27; Serial No. 587,929, published Dec. 12, 1950. Class 39.
Aluminum Specialty Company, Manitowoc, Wis. Aluminum and the like cooking utensils and kitchen ware. 539,814, Mar. 27; Serial No. 535,113, published Jan. 2, 1951. Class 13.
Amco Athletic Apparel Corp., New York, N. Y. Men's and boys' jackets. 540,087–8, Mar. 27; Serial Nos. 591,902–3, published Dec. 26, 1950. Class 39.
American Chemical Paint Company, Ambler, Pa. House organ. 539,893, Mar. 27; Serial No. 568,703, published Nov. 14, 1950. Class 38.
American Chemical Paint Company, Ambler, Pa. Chemical preparations. 540,038, Mar. 27; Serial No. 589,301, published Jan. 2, 1951. Class 6.
American Cyanamid Company, New York, N. Y. Casein. 539,913, Mar. 27; Serial No. 577,024, published Jan. 2, 1951. Class 1.
American Cyanamid Company, New York, N. Y. Trivalent vaccines. 540,146, Mar. 27; Serial No. 594,430, published Jan. 2, 1951. Class 18.
American Health Air Systems, Incorporated, New Haven, Conn. Air sanitizing apparatus. 540,121, Mar. 27; Serial No. 593,046, published Jan. 2, 1951. Class 21.
American Seating Company, Grand Rapids, Mich. Chairs and benches. 444,449, Mar. 27; Serial No. 508,640, published Oct. 18, 1949. Class 32.
American Silver Company, Inc., Flushing, N. Y. Ultra smoothly surfaced rolled and drawn metals. 540,229, Mar. 27; Serial No. 585,503. Class 14.
American Smelting and Refining Company, Jersey City, N. J., and New York, N. Y. White metals, zinc-base alloys, anti-friction metal, etc. 539,928, Mar. 27; Serial No. 577,926, published Dec. 5, 1950. Class 14.
American Stores Company, Philadelphia, Pa. Mayonnaise, salad dressing, and jellies. 540,042, Mar. 27; Serial No. 589,701, published Nov. 14, 1950. Class 46.
American Water Works Association, Inc., New York, N. Y. Bulletin. 540,035, Mar. 27; Serial No. 588,847, published Dec. 19, 1950. Class 38.
Amsterdam Textiles: *See*—
Amsterdam Textiles, Inc.
Amsterdam Textiles, Inc., assignee of Amsterdam Textiles, Amsterdam, N. Y. Textile rugs and runners. 539,840, Mar. 27; Serial No. 544,138, published Mar. 28, 1950. Class 42.
Aristocrat Leather Products, Inc., New York, N. Y. Key chains. 539,989, Mar. 27; Serial No. 584,602, published Sept. 5, 1950. Class 13.
Aristocrat Leather Products, Inc., New York, N. Y. Cuff links, shirt studs, and necktie holders. 539,990, Mar. 27; Serial No. 584,603, published Sept. 5, 1950. Class 28.
Arkwright Merchandising Corporation, New York, N. Y. Curtains, fabric bath mats, and furniture scarfs. 539,930, Mar. 27; Serial No. 578,478, published Dec. 19, 1950. Class 42.
Armour and Company, doing business as Armour Creameries, Chicago, Ill. Fresh eggs. 539,807, Mar. 27; Serial No. 532,194, published Jan. 2, 1951. Class 46.
Armour and Company, doing business as Morris & Company, Chicago, Ill. Lard and cottonseed oil. 539,827, Mar. 27; Serial No. 540,962, published Jan. 2, 1951. Class 46.
Armour and Company, Chicago, Ill. Upper leather. 539,834, Mar. 27; Serial No. 543,076, published Jan. 2, 1951. Class 1.
Armour Creameries: *See*—
Armour and Company.
Arnold Schwinn & Co., Chicago, Ill. Bicycles. 540,077, Mar. 27; Serial No. 591,547, published Dec. 12, 1950. Class 19.
Associated Brands, Inc.: *See*—
Hagler, Sam.
Atwood Coffee Co.: *See*—
Atwood Coffee Company.
Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn. Coffee. 539,846, Mar. 27; Serial No. 546,166, published Dec. 5, 1950. Class 46.
Automatic Electric Heater Company, Pottstown, Pa., assignor to Sepco Corporation. Metallic anodes. 539,832, Mar. 27; Serial No. 542,510, published Jan. 2, 1951. Class 21.
Authenticolor: *See*—
Lavelle, Michael.
Barret, William M., Inc., Shreveport, La. Electrical and geophysical apparatus. 540,075, Mar. 27; Serial No. 591,398, published Nov. 7, 1950. Class 26.
Battenfeld Grease & Oil Corp., Kansas City, Mo. Lubricating grease. 540,225, Mar. 27; Serial No. 582,465. Class 15.
Bausch & Lomb Optical Company, Rochester, N. Y. Lens grinding and polishing abrasive compounds. 540,034, Mar. 27; Serial No. 588,732, published Jan. 2, 1951. Class 4.
Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 539,875, Mar. 27; Serial No. 561,798, published Dec. 12, 1950. Class 42.
Bearfoot Sole Company, Inc., The, Boston, Mass. Soles and heels for boots and shoes. 540,158, Mar. 27; Serial No. 595,241, published Dec. 26, 1950. Class 39.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 540,057, Mar. 27; Serial No. 590,415, published Jan. 6, 1950. Class 1.
Berker Sportcraft Limited, London, England. Women's and children's clothing. 539,916, Mar. 27; Serial No. 570,763, published Dec. 26, 1950. Class 39.
Bettis Rubber Company, Los Angeles, Calif. Drill pipe protectors. 539,808, Mar. 27; Serial No. 532,203, published Dec. 12, 1950. Class 35.
Bickford, A. M., & Sons Limited, Adelaide, South Australia, Australia. Instrument or appliance for surgical or hospital use. 540,039, Mar. 27; Serial No. 589,419, published Jan. 2, 1951. Class 44.
Bitzer, Raymond D.: *See*—
Hurlox Manufacturing Co. Inc.
Blacher, George J., Pasadena, Calif. Artists' palettes. 540,193, Mar. 27; Serial No. 598,781, published Jan. 2, 1951. Class 23.
Bleecker & Simmons, Inc.: *See*—
Bleecker & Simons.
Bleecker & Simons, to Bleecker & Simmons, Inc., New York, N. Y. Teas, blended coffee, and spices. 80,168, re-renewed Nov. 15, 1950. O. G. Mar. 27. Class 46.
Boeing Airplane Company, Seattle, Wash. Airplanes. 540,049, Mar. 27; Serial No. 590,216, published Dec. 12, 1950. Class 19.
Bourne Mills, Fall River, Mass. Sateen. 540,192, Mar. 27; Serial No. 598,233, published Dec. 12, 1950. Class 42.
Bowers, Floyd O., Lansing, Mich. Game board. 516,759, Oct. 25, 1949. Corrected. O. G. Mar. 27. Class 22.
Brand and Puritz, Kansas City, Mo. Ladies' coats and suits. 539,844, Mar. 27; Serial No. 545,227, published Dec. 19, 1950. Class 39.
Braniff Airways, Incorporated, Dallas, Tex. Airplane transportation and shipping of passengers, property, and mail. 540,203, Mar. 27; Serial No. 584,940, published Jan. 2, 1951. Class 105.
Brenninkmeyer, C. & A., Inc., Brooklyn, N. Y. Articles of wearing apparel. 539,955–6, Mar. 27; Serial Nos. 581,244–5, published Dec. 26, 1950. Class 39.
Bristol Laboratories, Inc.: *See*—
Schenley Laboratories, Inc.
Britton, Beverley: *See*—
Britton, Beverley L.
Britton, Beverley L., doing business under the name Beverley Britton, Chevy Chase, Md. Newspaper column. 540,106, Mar. 27; Serial No. 592,543, published Dec. 26, 1950. Class 38.
Brog, Victor, doing business under the trade names of Rene St. Claire Products Co. and The Gintone Laboratories, Memphis, Tenn. Preparation for removing dandruff, hair oil, hair tonics, etc. 539,871, Mar. 27; Serial No. 559,804, published Dec. 26, 1950. Class 51.
Brown, H. H., Shoe Co., Inc., Worcester, Mass. Men's and boys' shoes. 540,171, Mar. 27; Serial No. 596,258, published Dec. 26, 1950. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Machine for reconditioning bowling pins. 539,796, Mar. 27; Serial No. 514,798, published Dec. 26, 1950. Class 23.

Buffalo Springs Distilling Company, Incorporated, Stamping Ground, Ky., by The Geo. T. Stagg Company, New York, N. Y., and Frankfort, Ky. Whiskey. 310,401, Feb. 27, 1934. Republished Mar. 27. Class 49.

Bunch, Dale E., doing business as "Safety-Set" Window Lock Company, Los Angeles, Calif. Window locks. 540,215, Mar. 27; Serial No. 562,535. Class 25.

Burnside, John E., assignee: *See*—
Walburn Equipment Company.

Butler Manufacturing Company, Kansas City, Mo. Truck tank and trailer tank vehicles. 540,005, Mar. 27; Serial No. 586,341, published Nov. 14, 1950. Class 19.

Buzza-Cardozo, Los Angeles, Calif. Greeting cards. 540,143, Mar. 27; Serial No. 594,194, published Dec. 26, 1950. Class 38.

Cal Products Company, Los Angeles, Calif. Laundry compound. 539,926, Mar. 27; Serial No. 573,352, published Jan. 2, 1951. Class 6.

Cambridge Rubber Company, The, Taneytown, Md. Shoe soles. 539,948, Mar. 27; Serial No. 580,574, published Dec. 26, 1950. Class 39.

Cameo Curtains Inc., New York, N. Y. Window curtains. 539,954, Mar. 27; Serial No. 581,172, published Dec. 12, 1950. Class 42.

Canfield Oil Company, Cleveland, Ohio. Lubricating oils. 539,933, Mar. 27; Serial No. 578,764, published Dec. 19, 1950. Class 15.

Carl, Charles A., doing business as Phoenix Candy Company, Brooklyn, N. Y. Candies. 540,030, Mar. 27; Serial No. 588,478, published Dec. 5, 1950. Class 46.

Caro Book Company, Pittsburgh, Pa. Publication. 540,040, Mar. 27; Serial No. 589,637, published Dec. 19, 1950. Class 38.

Carrier Corporation, Syracuse, N. Y. Dehumidifying units for removing moisture from air. 539,873, Mar. 27; Serial No. 560,603, published Dec. 19, 1950. Class 34.

Carter Parts Company, Chicago, Ill. Conductor jacks. 539,946, Mar. 27; Serial No. 580,286, published Dec. 26, 1950. Class 21.

Castle, Wilmot, Company, Rochester, N. Y. Electric lighting fixtures. 539,957, Mar. 27; Serial No. 581,306, published Jan. 2, 1951. Class 21.

Cathomint Co.: *See*—
Shiffer, Charles E.

Central City Pickle Co., Peoria, Ill. Vinegar. 539,797, Mar. 27; Serial No. 515,861, published Dec. 12, 1950. Class 46.

Champion Spark Plug Company, Toledo, Ohio. Spark plug resistors, spark plugs and parts thereof. 540,137, Mar. 27; Serial No. 594,024, published Jan. 2, 1951. Class 21.

Chelco Corporation: *See*—
Chelf Chemical Company.

Chelf Chemical Company, Richmond, to Chelco Corporation, Petersburg, Va. Nerve sedative, febrifuge, laxative, etc. 275,230, renewed Sept. 16, 1950. O. G. Mar. 27. Class 18.

Chemical Paper Manufacturing Company, Holyoke, Mass. Writing and printing paper. 539,812, Mar. 27; Serial No. 533,995, published Nov. 14, 1950. Class 37.

Chester Cable Corp., Chester, N. Y. Electric insulated wire. 539,964, Mar. 27; Serial No. 582,414, published Dec. 26, 1950. Class 21.

Chicago Metal Hose Corporation: *See*—
Chicago Tubing & Braiding Co.

Chicago Printed String Company, Chicago, Ill. Ribbon-like tying material. 530,421, Sept. 5, 1950. Corrected. O. G. Mar. 27. Class 7.

Chicago Railway Equipment Company, Chicago, Ill. Railway vehicle equipment. 539,962, Mar. 27; Serial No. 581,867, published Jan. 2, 1951. Class 19.

Chicago Towel Company, Chicago, Ill. Cloth towels. 539,849, Mar. 27; Serial No. 548,138, published Dec. 12, 1950. Class 42.

Chicago Tubing & Braiding Co., Chicago, by Chicago Metal Hose Corporation, Maywood, Ill. Flexible tubing. 49,516, Feb. 6, 1906. Republished Mar. 27. Class 35.

Chillo Products Co., San Francisco, Calif. Marshmallow topping and fudge topping, etc. 539,885, Mar. 27; Serial No. 565,541, published Oct. 3, 1950. Class 46.

Church, C. F., Manufacturing Co., Monson, Mass. Toilet seats. 540,160, Mar. 27; Serial No. 595,359, published Jan. 2, 1951. Class 13.

Cinch Manufacturing Corporation, Chicago, Ill. Various component parts of electrical, electronic, and radio apparatus and devices. 539,934–5, Mar. 27; Serial Nos. 578,768–9, published Dec. 5, 1950. Class 21.

Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 539,841, Mar. 27; Serial No. 544,705, published Dec. 26, 1950. Class 23.

Coast-To-Coast Publishing Co., Inc., to Everywoman's Magazine, Inc., New York, N. Y. Magazine. 382,401, Oct. 29, 1940. Republished Mar. 27. Class 38.

Coleman Instruments, Inc., Maywood, Ill. Computing rules. 540,116, Mar. 27; Serial No. 592,880, published Nov. 7, 1950. Class 26.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Face cream. 283,780, renewed June 9, 1951. O. G. Mar. 27. Class 51.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Talc powder. 283,814, renewed June 9, 1951. O. G. Mar. 27. Class 51.

College of Electronic Medicine, San Francisco, Calif. Electromagnetic-field generators for therapeutic purposes. 438,695, May 11, 1948. Corrected. O. G. Mar. 27. Class 44.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business under the style name of The Model Flour Mills Co., Greeley, Colo. Wheat flour. 539,858, Mar. 27; Serial No. 554,299, published Oct. 31, 1950. Class 46.

Columbian Steel Tank Company, Kansas City, Mo. Aircraft refueling trucks. 539,888, Mar. 27; Serial No. 566,502, published Dec. 12, 1950. Class 19.

Comfort Spring Corporation, Baltimore, Md. Spring cushion units. 540,062, Mar. 27; Serial No. 590,647, published Dec. 19, 1950. Class 32.

Compass Point Aviation, Inc., Greenwood, Mass. Mechanical computors. 539,883, Mar. 27; Serial No. 564,503, published Sept. 12, 1950. Class 26.

Comptone Company, Ltd., New York, N. Y. Sun glasses, eyeglasses, spectacles, etc. 540,074, Mar. 27; Serial No. 591,357, published Oct. 31, 1950. Class 26.

Con-Ferro Paint & Varnish Company, St. Louis, Mo., to Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, paint enamels, paint stipple wall finish, etc. 283,627, renewed June 2, 1951. O. G. Mar. 27. Class 16.

Consolidated Engineers Company, Inc., Chicago, Ill. Liquid fuel oil addition. 540,110, Mar. 27; Serial No. 592,612, published Dec. 12, 1950. Class 15.

Consolidated Vultee Aircraft Corporation, San Diego, Calif., assignor to Piper Aircraft Corporation, Lock Haven, Pa. Airplanes. 539,811, Mar. 27; Serial No. 533,666, published Dec. 26, 1950. Class 19.

Continental Smelting & Refining Co., McCook, Ill. Nonferrous metals and alloys. 540,053, Mar. 27; Serial No. 590,354, published Nov. 7, 1950. Class 14.

Cook Coffee Company, The, doing business as House of Caroline, Cleveland, Ohio. Toilet cream. 539,842, Mar. 27; Serial No. 544,852, published Jan. 3, 1950. Class 51.

Cooper, Oma L., doing business as Oma Lee Originals, Kansas City, Mo. Children's dresses. 540,045, Mar. 27; Serial No. 589,891, published Dec. 26, 1950. Class 39.

Cords Piston Ring Manufacturing Co. Inc., Los Angeles, Calif. Piston rings. 539,972, Mar. 27; Serial No. 583,466, published Dec. 12, 1950. Class 35.

Corgi Hosiery Limited, Ammanford, Carmarthenshire, South Wales. Stockings and socks. 540,014, Mar. 27; Serial No. 587,179, published Dec. 26, 1950. Class 39.

Corning Distilling Co., Peoria, Ill., by The Old Quaker Company, New York, N. Y., and Lawrenceburg, Ind. Whiskey. 226,735, Apr. 19, 1927. Republished Mar. 27. Class 49.

Corn Products Refining Company: *See*—
National Starch Company.

Corn Products Refining Company, New York, N. Y. Starches and dextrins for sizing purposes. 281,026, renewed Mar. 10, 1950. O. G. Mar. 27. Class 6.

Crest Company, The: *See*—
Larkin, Daniel C.

Cronow Watch Co., Inc., New York, N. Y. Watches. 540,032, Mar. 27; Serial No. 588,561, published Jan. 2, 1951. Class 27.

Crotty Corporation, Quincy, Mich. Gasket or sealing material. 540,172, Mar. 27; Serial No. 596,270, published Dec. 19, 1950. Class 35.

Crystal Flash Petroleum Corporation, The, Indianapolis, Ind. Gasoline and lubricating oil. 539,795, Mar. 27; Serial No. 511,732, published Jan. 2, 1951. Class 15.

Curtis Paper Company, Newark, Del. Text and cover papers. 540,209, Mar. 27; Serial No. 542,818. Class 37.

Custom Shade Shop, The, Arlington, Va. Trailer Venetian blinds. 539,908, Mar. 27; Serial No. 574,612, published Nov. 21, 1950. Class 19.

Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 540,190, Mar. 27; Serial No. 598,006, published Dec. 12, 1950. Class 42.

Davies, Rose & Company, Limited, Boston, Mass. Ointment. 282,361, renewed Apr. 21, 1951. O. G. Mar. 27. Class 18.

Davis & Catterall, New York, N. Y. Handkerchiefs. 540,024, Mar. 27; Serial No. 587,939, published Dec. 26, 1950. Class 39.

Davis Specialties Incorporated, Chicago, Ill. Press plates and pads for pressing clothes. 540,036, Mar. 27; Serial No. 589,077, published Dec. 26, 1950. Class 24.

Davison Chemical Corporation, The, Baltimore, Md. Moth-proofing compound. 539,991, Mar. 27; Serial No. 584,714, published Dec. 26, 1950. Class 6.

Dayton Rubber Company, The, Dayton, Ohio. Radiator hose and V type belts. 540,138, Mar. 27; Serial No. 594,104, published Nov. 14, 1950. Class 35.

Dell Publishing Company, Inc., New York, N. Y. Magazine. 540,226–7, Mar. 27; Serial Nos. 582,677–8. Class 38.

Desmond's, assignor to Desmonds, Inc., by Desmond's, Inc., Los Angeles, Calif. Military caps. 444,308. Nov. 14, 1950. Republished Mar. 27. Class 39.

Desmonds, Inc.: *See*—
Desmond's.

Dexter Company, The, Fairfield, Iowa. Laundry equipment. 540,167–8, Mar. 27; Serial Nos. 595,767–8, published Jan. 2, 1951. Class 24.

Diamond, Louis H., Colorado Springs, Colo. Wrenches. 539,995, Mar. 27; Serial No. 585,106, published Dec. 12, 1950. Class 23.

Diamond Match Company, The, New York, N. Y. Wooden spoons and wooden forks. 540,041, Mar. 27; Serial No. 589,645, published Dec. 12, 1950. Class 23.

Dixie Mills Company, East St. Louis, Ill. Dog food. 540,236, Mar. 27; Serial No. 589,957. Class 46.

Dog Pad Company, Albany, Tex. Antiseptic. 540,233, Mar. 27; Serial No. 586,049. Class 18.

Donovan Enterprises, Incorporated, Saugatuck, Conn. Children's coats. 540,020, Mar. 27; Serial No. 587,626, published Dec. 12, 1950. Class 39.

Dorsey, Lenora H.: *See*—
Higgins, John G.

Dow Mechanical Corporation, The, Thompsonville, Conn. Internal and external dimension gauges and comparators and parts thereof. 540,212, Mar. 27; Serial No. 555,387. Class 26.

Drexel Furniture Company, Drexel, N. C. Living room furniture; dining room furniture; bedroom furniture. 540,072, Mar. 27; Serial No. 591,074, published Dec. 12, 1950. Class 32.

Dryomatic Corporation of America, assignee: *See*—
Peters, Brice G.
Schape Manufacturing Company, The.

Dufour, J. Leo, Madawaska, Maine. Potatoes. 540,245, Mar. 27; Serial No. 594,832. Class 46.

Dunham, C. A., Company, Chicago, Ill. Steam heating apparatus. 539,802, Mar. 27; Serial No. 528,265, published Dec. 12, 1950. Class 34.

Dunhill, Alfred, Limited, London, England. Raw tobacco, smoking and chewing tobacco, etc. 539,892, Mar. 27; Serial No. 568,357, published Dec. 19, 1950. Class 17.

Dunson Industries, Inc., Pomona Park, Fla. Baby dining-play table. 540,206, Mar. 27; Serial No. 532,575. Class 32.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.

Duquesne Manufacturing Company, The, New Kensington, Pa. Women's bungalow aprons, dresses, petticoats, etc. 540,010–11, Mar. 27; Serial Nos. 586,795–6, published Dec. 26, 1950. Class 39.

Durametallic Corporation, Kalamazoo, Mich. Packing in plastic form. 539,931, Mar. 27; Serial No. 578,576, published Dec. 12, 1950. Class 35.

E-Z Walk Corporation, New York, N. Y. Orthopedic insoles, arch supports, and corn and bunion pads. 539,997, Mar. 27; Serial No. 585,221, published Jan. 2, 1951. Class 44.

Eagle Clothes, to Eagle Clothes, Inc., New York, N. Y. Men's clothing. 277,809–10, renewed Nov. 25, 1950. O. G. Mar. 27. Class 39.

Eagle Clothes, by Eagle Clothes, Inc., New York, N. Y. Men's and boys' overcoats, topcoats, suits, etc. 377,600, May 7, 1940. Republished Mar. 27. Class 39.

Eagle Clothes, Inc.: *See*—
Eagle Clothes.

Earl & Arlington, San Francisco, Calif. Gift and shower printed greeting cards. 540,046, Mar. 27; Serial No. 590,014, published Dec. 19, 1950. Class 38.

Eastern Clay Products, Inc., Jackson, Ohio. Resilient wear inserts employed in foundry mold apparatus. 539,921, Mar. 27; Serial No. 572,954, published Dec. 12, 1950. Class 23.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic processing chemicals. 540,000, Mar. 27; Serial No. 585,639, published Jan. 2, 1951. Class 6.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic motion picture cameras. 539,942, Mar. 27; Serial No. 579,972, published June 13, 1950. Class 26.

Edison, Thomas A., Incorporated, West Orange, N. J. Primary batteries. 540,151, Mar. 27; Serial No. 594,699, published Dec. 26, 1950. Class 21.

Electair Company, assignor to Electair, Inc., Kokomo, Ind. Vacuum cleaners. 539,945, Mar. 27; Serial No. 580,186, published Aug. 1, 1950. Class 21.

Electair, Inc., assignee: *See*—
Electair Company.

Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

Ely & Walker Dry Goods Company, St. Louis, Mo. Textile piece goods. 539,830, Mar. 27; Serial No. 542,298, published Dec. 12, 1950. Class 42.

Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies', misses', and children's dresses. 539,992, Mar. 27; Serial No. 584,721, published Jan. 2, 1951. Class 39.

Emery & Kavanagh Co., by Jones & Kavanagh Co., Ltd., Los Angeles, Calif. Fresh grapes and fresh lettuce. 222,933, Jan. 11, 1927. Republished Mar. 27. Class 46.

Endicott Johnson Corporation, Endicott, N. Y. Chrome and vegetable leather. 540,060, Mar. 27; Serial No. 590,549, published Nov. 21, 1950. Class 1.

Endless Belt Corporation, Pisgah Forest, N. C. Linen, cotton, and other fabric endless belts. 539,920, Mar. 27; Serial No. 572,618, published Dec. 12, 1950. Class 35.

Ercona Camera Corporation, New York, N. Y. Cameras. 540,085, Mar. 27; Serial No. 591,841, published Oct. 31, 1950. Class 26.

Erlez Manufacturing Co., Erie, Pa. Permanent non-electric magnets. 540,162, Mar. 27; Serial No. 595,456, published Jan. 2, 1951. Class 21.

Eureka Williams Corporation, Bloomington, Ill. Oil burners. 539,941, Mar. 27; Serial No. 579,958, published Dec. 26, 1950. Class 34.

Eutectic Welding Alloys Corporation, New York, N. Y. Copper base alloy. 540,080, Mar. 27; Serial No. 591,723, published Dec. 5, 1950. Class 14.

Everseal Manufacturing Co., Inc., New York, N. Y. Ready-mixed paints. 540,222, Mar. 27; Serial No. 575,340. Class 16.

Everywoman's Magazine, Inc.: *See*—
Coast-To-Coast Publishing Co., Inc.

Fabergé, Inc., New York, N. Y. Women's hosiery. 540,128–9, Mar. 27; Serial Nos. 593,474–5, published Jan 2, 1951. Class 39.

Fabergé, Inc., New York, N. Y. Women's hosiery. 540,130, Mar. 27; Serial No. 593,590, published Jan 2, 1951. Class 39.

Fallbrook Citrus Association, Fallbrook, Calif. Fresh citrus fruits. 539,863, Mar. 27; Serial No. 555,807, published Nov. 14, 1950. Class 46.

Farmers' Butane-Propane Service, Modesto, Calif. Liquefied petroleum fuel gas. 539,981, Mar. 27; Serial No. 584,227, published Dec. 26, 1950. Class 6.

Feedrail Corporation, New York, N. Y. Assemblies for electric power transmission. 539,869, Mar. 27; Serial No. 558,643, published Dec. 26, 1950. Class 21.

Fingles, W. A., Inc., Baltimore, Md., by C. G. Hussey & Company, Division of Copper Range Company, Pittsburgh, Pa. Certain articles used in building construction. 285,669, Aug. 4, 1931. Republished Mar. 27. Class 12.

Fischer Industries, Inc., Cincinnati, Ohio. Bottle chain lubrication soap. 539,884, Mar. 27; Serial No. 565,255, published Jan. 2, 1951. Class 15.

Fisher Silveramiths, Inc., The, Jersey City, N. J., and New York, N. Y. Cigar and cigarette lighters. 540,235, Mar. 27; Serial No. 589,019. Class 8.

Foltz, George V., doing business as Foltz Tea and Coffee Co., to Foltz Tea and Coffee Co., New Orleans, La. Coffee, tea, cocoa, and spices. 272,936, renewed July 15, 1950. O. G. Mar. 27. Class 46.

Foltz Tea and Coffee Co.: *See*—
Foltz, George V.

Food Machinery and Chemical Corporation, New York, N. Y. Sodium sesquicarbonate. 539,998, Mar. 27; Serial No. 583,275, published Jan. 2, 1951. Class 6.

Forat, Antoine H., doing business as S. A. F. I. E. X., New York, N. Y. Canned vegetables, fruits and fish. 539,897, Mar. 27; Serial No. 570,362, published Nov. 21, 1950. Class 46.

Forbes, James H., Tea and Coffee Company, St. Louis, Mo. Coffee, coffee and chicory, etc. 539,831, Mar. 27; Serial No. 542,459, published Nov. 14, 1950. Class 46.

Ford Motor Company, Dearborn, Mich. Independent wheel suspensions for automotive vehicles. 539,951, Mar. 27; Serial No. 580,835, published Dec. 19, 1950. Class 19.

Formica Company, The: *See*—
Formica Insulation Company, The.

Formica Insulation Company, The, to The Formica Company, Cincinnati, Ohio. Gears, gear blanks. 283,654, renewed June 2, 1951. O. G. Mar. 27. Class 23.

Foster, Charles H., assignor to Plastic Articles Co., Inc., New York, N. Y. Toy banks. 540,208, Mar. 27; Serial No. 542,304. Class 22.

Fraternity of Phi Gamma Delta, Washington, D. C. Periodical publications. 540,113, Mar. 27; Serial No. 592,679, published Dec. 12, 1950. Class 38.

Freeman-Daughady Company, Providence, R. I., to Swank, Inc., Attleboro, Mass. Tie grips and tie holders. 284,059, renewed June 16, 1951. O. G. Mar. 27. Class 28.

French, Edward R., doing business under the name Top Tunes Company, Ocean City, N. J. Publicizing original songs submitted by amateurs. 540,252, Mar. 27; Serial No. 559,960. Class 101.

Fruit of Loom, Inc.: *See*—
Knight, B. B. & R., Corporation.

Fuller Brush Company, The, Hartford, Conn. Furniture polish, furniture cream polish, liquid polishing wax, etc. 539,836, Mar. 27; Serial No. 543,434, published Dec. 19, 1950. Class 4.

Gallaher Company, The, Owatonna, Minn. Electric exhaust fans. 540,173, Mar. 27; Serial No. 596,276, published Jan. 2, 1951. Class 21.

Gallegos, Everett A., doing business as The Alnik Co., Gallup, N. Mex. Kits containing fluid, flints, wicks, etc. 540,132, Mar. 27; Serial No. 593,794, published Dec. 19, 1950. Class 8.

Galveston-Houston Breweries, Inc.: *See*—
Triple "XXX" Company.

Gar Wood Industries, Inc., Wayne, Mich. Truck and trailer bodies. 539,815, Mar. 27; Serial No. 535,948, published Dec. 12, 1950. Class 19.

Garrison, Earl W., Bridgeton, N. J. Baby chicks. 539,927, Mar. 27; Serial No. 577,880, published Jan. 2, 1951. Class 1.

General Aniline & Film Corporation, New York, and Binghamton, N. Y. Periodical publications. 540,139, Mar. 27; Serial No. 594,117, published Dec. 26, 1950. Class 38.

General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 539,961, Mar. 27; Serial No. 581,807, published Jan. 2, 1951. Class 21.

General Features Corporation, New York, N. Y. Cartoons appearing in newspaper publications. 540,083, Mar. 27; Serial No. 591,778, published Dec. 26, 1950. Class 38.

General Steel Warehouse Co., Inc., Chicago, Ill. Chisels, knives, saws, etc. 540,135, Mar. 27; Serial No. 593,980, published Jan. 2, 1951. Class 23.

General Strapping Corporation, New York, N. Y. Metal flat band strapping. 540,144, Mar. 27; Serial No. 594,317, published Jan. 2, 1951. Class 13.

Gintone Laboratories, The: *See*—
Brog, Victor.

Glider Trailer Company, Chicago, Ill. House trailers, trailer coaches, and wheels, etc. 539,855, Mar. 27; Serial No. 553,194, published Nov. 21, 1950. Class 19.

Glisa'n Products Co., Inc., Chicago, Ill. Cleaning material. 539,792, Mar. 27; Serial No. 493,346, published Apr. 25, 1950. Class 52.

Globe Grain & Milling Co., Los Angeles, Calif., to Pillsbury Mills, Inc., Minneapolis, Minn. Oil shortening. 277,878, renewed Dec. 2, 1950. O. G. Mar. 27. Class 46.

Glovecraft, Inc., Johnstown, N. Y. Gloves. 540,018, Mar. 27; Serial No. 587,724, published Dec. 26, 1950. Class 39.

Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's suits, topcoats, overcoats, etc. 540,012, Mar. 27; Serial No. 586,919, published Dec. 12, 1950. Class 39.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 539,977, Mar. 27; Serial No. 583,754, published Dec. 26, 1950. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Heels and soles for boots and shoes. 540,169, Mar. 27; Serial No. 595,892, published Dec. 26, 1950. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Heels for boots and shoes. 540,170, Mar. 27; Serial No. 595,893, published Dec. 26, 1950. Class 39.

Grand Manufacturing Company, Detroit, Mich. Combination dinette table and ironing board. 540,037, Mar. 27; Serial No. 589,087, published Dec. 19, 1950. Class 32.

Grasselli Chemical Company, The, Cleveland, Ohio, to E. I. du Pont de Nemours and Company, Wilmington, Del. Dry colors for inks. 279,257, renewed Jan. 13, 1951. O. G. Mar. 27. Class 11.

Grasselli Chemical Company, The, Cleveland, Ohio, to E. I. du Pont de Nemours and Company, Wilmington, Del. Dry colors for paints. 279,273, renewed Jan. 13, 1951. O. G. Mar. 27. Class 16.

Graybar Electric Company, Inc., New York, N. Y. Electrical friction tape and insulating rubber tape. 540,033, Mar. 27; Serial No. 588,643, published Dec. 26, 1950. Class 21.

Grey, Ellen: *See*—
Wynne, Eleanor.

Grey Hosiery Mills, Bristol, Va. Hosiery for women. 539,821, Mar. 27; Serial No. 539,050, published Jan. 2, 1951. Class 39.

Grey Hosiery Mills, Bristol, Va. Hosiery for women. 539,867, Mar. 27; Serial No. 558,138, published Jan. 2, 1951. Class 39.

Gro-Cord Rubber Company: *See*—
Lima Cord Sole and Heel Company, The.

Gusmer, A., Inc., Hoboken, N. J. Beer clarifier. 539,900, Mar. 27; Serial No. 574,965, published Jan. 2, 1951. Class 6.

Gustinettes, Incorporated, New York, N. Y. Women's slippers and casuals. 540,102, Mar. 27; Serial No. 592,488, published Dec. 26, 1950. Class 39.

Guth, Stern & Co., Inc., New York, N. Y. Mechanical razor-blade sharpeners. 283,374, renewed May 26, 1951. O. G. Mar. 27. Class 23.

H & L Block, San Francisco, Calif. Sportswear. 539,835, Mar. 27; Serial No. 543,414, published Dec. 12, 1950. Class 39.

Hagler, Sam, doing business as Relgah Perfumers, New York, to Associated Brands, Inc., Brooklyn, N. Y. Hair tonic, peroxide of hydrogen, cold cream, etc. 280,714, renewed Feb. 24, 1951. O. G. Mar. 27. Class 51.

Hague, Morton, doing business as Lazy Daisy International, Michigan City, Ind. Utility carts. 540,152, Mar. 27; Serial No. 594,772, published Dec. 12, 1950. Class 19.

Halberstadt & Co., Inc., to Schoenfeld & Wolf, Inc., New York, N. Y. Ladies' pocket-books, purses, and empty vanities. 274,258, renewed Aug. 26, 1950. O. G. Mar. 27. Class 3.

Hall, Newton J., doing business as Hall Surgical Appliance Co., Los Angeles, Calif. Orthopedic appliances. 539,952, Mar. 27; Serial No. 580,838, published Jan. 2, 1951. Class 44.

Hall Surgical Appliance Co.: *See*—
Hall, Newton J.

Hampton Furniture Shops, New York, N. Y., assignor to Hampton Modern, Inc., Paterson, N. J. Refectory tables, coffee tables, lamp tables, etc. 539,850, Mar. 27; Serial No. 548,256, published Dec. 12, 1950. Class 32.

Hampton Modern, Inc., assignee: *See*—
Hampton Furniture Shops.

Handelsvennootschap under de firma Smit & ten Hove, Kampen, Netherlands. Smoking tobacco, cigars, and cigarettes. 539,932, Mar. 27; Serial No. 578,689, published Dec. 5, 1950. Class 17.

Harding, Anita H., New York, N. Y. Children's, junior girls', misses' and women's clothing. 540,163, Mar. 27; Serial No. 595,601, published Jan. 2, 1951. Class 39.

Hardwick Stove Company, Incorporated, Cleveland, Tenn. Gas stoves and ranges. 540,153, Mar. 27; Serial No. 594,837, published Dec. 26, 1950. Class 34.

Harley-Davidson Motor Co.: *See*—
Harley-Davidson Motor Company.

Harley-Davidson Motor Company, Milwaukee, Wis., now by change of name Harley-Davidson Motor Co. Knives, and special shop tools. 539,805, Mar. 27; Serial No. 531,115, published Jan. 2, 1951. Class 23.

Harley-Davidson Motor Company, Milwaukee, Wis., now by change of name Harley-Davidson Motor Co. Knives, and special shop tools. 539,806, Mar. 27; Serial No. 531,587, published Jan. 2, 1951. Class 23.

Hastings Manufacturing Company, Hastings, Mich. Piston rings. 539,880, Mar. 27; Serial No. 563,477, published Dec. 12, 1950. Class 35.

Hav-A-Kar, Los Angeles, Calif. Automobile rentals. 540,202, Mar. 27; Serial No. 547,450, published Jan. 2, 1951. Class 105.

Haynes Milling Co., Inc., Portland, Ind. Poultry feeds. 540,228, Mar. 27; Serial No. 584,863. Class 46.

Hemet Packing Company, Hemet, Calif. Canned fruits. 539,860, Mar. 27; Serial No. 554,976, published Dec. 19, 1950. Class 46.

Henry, De Witt P., Co., Inc., Philadelphia, Pa. Candy. 204,052, Oct. 6, 1925. Republished Mar. 27. Class 46.

Hershey Metal Products, Incorporated, Ansonia, Conn. Automobile front end suspension replacement parts. 540,103, Mar. 27; Serial No. 592,492, published Dec. 19, 1950. Class 19.

Hickey-Freeman Company, Rochester, N. Y. Men's overcoats. 539,819, Mar. 27; Serial No. 538,920, published Dec. 26, 1950. Class 39.

Hickey-Freeman Company, Rochester, N. Y. Men's suits. 539,820, Mar. 27; Serial No. 538,923, published Dec. 26, 1950. Class 39.

Hickok Manufacturing Co., Inc., Rochester, N. Y. Suspenders and garters. 540,003, Mar. 27; Serial No. 585,937, published Dec. 12, 1950. Class 39.

Higgins, John G., to L. H. Dorsey, Chattanooga, Tenn. Toilet-combs. 81,003, re-renewed Feb. 21, 1951. O. G. Mar. 27. Class 40.

Hinderer, Harvey M., Company, St. Louis, Mo. Charcoal. 540,224, Mar. 27; Serial No. 579,414. Class 1.

Hirsh Manufacturing Co., Garland, Tex. Gas stoves. 539,887, Mar. 27; Serial No. 566,230, published Oct. 31, 1950. Class 34.

Hodges Research and Development Company, Redwood City, assignor to Oronite Chemical Company, San Francisco, Calif. Organic silicate oils and greases. 540,111, Mar. 27; Serial No. 592,630, published Dec. 12, 1950. Class 15.

Hodges Research and Development Company, Redwood City, assignor to Oronite Chemical Company, San Francisco, Calif. Organic silicate liquids. 540,123, Mar. 27; Serial No. 593,119, published Jan. 2, 1951. Class 6.

Hoffmann-La Roche Inc., Nutley, N. J. Medicinal preparation. 540,115, Mar. 27; Serial No. 592,813, published Jan. 2, 1951. Class 18.

Holly Molding Devices, Inc., Chicago, Ill. Cut-to-size sheets of woven and plastic material and combinations thereof. 539,800, Mar. 27; Serial No. 524,465, published Dec. 12, 1950. Class 23.

Horn & Hardart Baking Company, Philadelphia, Pa. Coffee, tea, bread, etc. 539,828, Mar. 27; Serial No. 541,841, published Oct. 3, 1950. Class 46.

Houghton, E. F., & Co., Philadelphia, Pa. Lubricating greases and lubricating oils. 539,816, Mar. 27; Serial No. 536,396, published Dec. 5, 1950. Class 15.

House of Caroline: *See*—
Cook Coffee Company, The.

House of Herbs, Inc., Salisbury, Conn. Food product. 386,087, Mar. 25, 1941. Republished Mar. 27. Class 46.

House of Huston, Inc., Coral Gables, Fla. Preparation for the treatment of dog mange. 540,078, Mar. 27; Serial No. 591,621, published Dec. 19, 1950. Class 18.

Howe, George J., Company, Inc., Grove City, Pa. Coffee. 444,447, Mar. 27; Serial No. 503,293, published Dec. 19, 1950. Class 46.

Huber, Frederick W., Inc., New York, N. Y. Pie fillings, doughnut and pastry fillings, fondant for icing, etc. 539,822, Mar. 27; Serial No. 539,057, published Dec. 19, 1950. Class 46.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand-manipulable portable unitary electric insecticide sprayers, moth sprayers, etc. 540,213, Mar. 27; Serial No. 556,197. Class 21.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts thereof. 540,150, Mar. 27; Serial No. 594,642, published Dec. 12, 1950. Class 19.

Hurlox Manufacturing Co. Inc., Rockaway, N. J., to R. D. Bitzer, Philadelphia, Pa. Paints. 284,184, renewed June 16, 1951. O. G. Mar. 27. Class 16.

Hurst Industries, Inc., San Jose, Calif. Wheeled vehicle frame-work. 540,218, Mar. 27; Serial No. 571,550. Class 19.

Hussey, C. G., & Company, Division of Copper Range Company: *See*—
Fingles, W. A., Inc.

Hydroway Scales, Inc., Southfield Township, Oakland County, and Detroit, Mich. Weighing scales. 540,054, Mar. 27; Serial No. 590,368, published Oct. 17, 1950. Class 26.

Hypro Engineering, Inc., Minneapolis, Minn. Water supply systems. 540,058, Mar. 27; Serial No. 590,437, published Dec. 12, 1950. Class 23.

Hysan Products Company, Chicago, Ill. Liquid deodorant. 539,982, Mar. 27; Serial No. 584,231, published Dec. 26, 1950. Class 6.

Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Combination cigarette case and lighter. 540,089, Mar. 27; Serial No. 591,929, published Dec. 5, 1950. Class 8.

Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Combination cigarette case and lighter. 540,133, Mar. 27; Serial No. 593,799, published Dec. 19, 1950. Class 8.

Imperial Knife Company, Inc., Providence, R. I. Pocket knives, paring knives, and hunting knives. 539,856, Mar. 27; Serial No. 553,280, published Dec. 5, 1950. Class 23.

Independent Lock Company, Fitchburg, Mass. Key cutting machines. 539,882, Mar. 27; Serial No. 564,127, published Jan. 2, 1951. Class 23.

Industrial Hosiery Mills, Inc., Mohnton, Pa. Men's hose. 539,845, Mar. 27; Serial No. 545,853, published Jan. 2, 1951. Class 39.

Insley Manufacturing Corporation, Indianapolis, Ind. Lifting cranes. 540,175, Mar. 27; Serial No. 596,345, published Jan. 2, 1951. Class 23.

International Drug Store: *See*—
Navarette, J. T.

International Harvester Company, Chicago, Ill. Buses. 540,154, Mar. 27; Serial No. 594,901, published Dec. 12, 1950. Class 19.

International Nickel Company, Inc., The, New York, N. Y. Nickel-chromium alloy welding wire. 539,949, Mar. 27; Serial No. 580,600, published Dec. 5, 1950. Class 14.

International Postal Supply Company, The, Brooklyn, N. Y. Stamp-canceling machines, postage-metering machines, sealing machines, etc. 280,987, renewed Mar. 3, 1951. O. G. Mar. 27. Class 23.

International Silver Company, to The International Silver Company, Meriden, Conn. Flatware. 281,962, renewed Apr. 7, 1951. O. G. Mar. 27. Class 28.

International Silver Company, The: *See*—
International Silver Company.

Ionics, Inc., San Francisco, Calif. Electric units. 539,969, Mar. 27; Serial No. 583,089, published Jan. 2, 1951. Class 21.

Ionics, Inc., San Francisco, Calif. Electrical apparatus. 539,970, Mar. 27; Serial No. 583,090, published Jan. 2, 1951. Class 21.

Iron Fireman Manufacturing Company, Portland, Oreg. Electric switches. 540,232, Mar. 27; Serial No. 585,590. Class 21.

Irvine Citrus Association, The, Santa Ana, Calif. Fresh citrus fruits. 539,823, Mar. 27; Serial No. 540,419, published Nov. 28, 1950. Class 46.

Isaacs, I. C., & Co., Inc., Baltimore, Md. Women's sportswear. 540,184, Mar. 27; Serial No. 597,336, published Dec. 26, 1950. Class 39.

Ivers & Pond Piano Company, Cambridge, Mass. Pianos. 540,220, Mar. 27; Serial No. 572,036. Class 36.

Jelenko, J. F., & Co., Inc., New York, N. Y. Gold and platinum metal wire for dental purposes. 540,021, Mar. 27; Serial No. 587,730, published Jan. 2, 1951. Class 44.

Jelke, John F., Company, Chicago, Ill., to Lever Brothers Company, New York, N. Y. Oleomargarine. 279,642, renewed Jan. 20, 1951. O. G. Mar. 27. Class 46.

Joma Mfg. Co., Inc., New York, N. Y. Accessories and parts for automotive vehicles, brake lever extensions, etc. 539,890, Mar. 27; Serial No. 567,979, published Dec. 19, 1950. Class 19.

Jonas & Colver (Novo) Limited, Sheffield, England. Machine tools and parts thereof. 539,891, Mar. 27; Serial No. 568,195, published Dec. 5, 1950. Class 23.

Jones & Kavanagh Co., Ltd.: *See*—
Emery & Kavanagh Co.

Kansas City Products Company, Kansas City, Mo. Combined folding table and housing therefor. 539,917, Mar. 27; Serial No. 572,307, published Nov. 28, 1950. Class 32.

Kappa Beta Pi Legal Sorority, Chicago, Ill. Periodical publication. 540,140, Mar. 27; Serial No. 594,128, published Dec. 26, 1950. Class 38.

Karl's Shoe Stores, Ltd., Los Angeles, Calif. Women's hosiery. 540,055, Mar. 27; Serial No. 590,370, published Dec. 26, 1950. Class 39.

Kauai Pineapple Company, Ltd., Kalaheo, Territory of Hawaii. Canned fruits. 275,562, renewed Sept. 23, 1950. O. G. Mar. 27. Class 46.

Kauffmann Bros. & Bondy, Inc., West New York, N. J. Smokers' pipes, cigar and cigarette holders. 540,104, Mar. 27; Serial No. 592,498, published Dec. 19, 1950. Class 8.

Kelly Photo Supply, Chicago, Ill. Photographic cameras, lenses, and camera carrying cases. 540,099, Mar. 27; Serial No. 592,325, published Nov. 7, 1950. Class 26.

Kendall Oil Company, Inc., Chattanooga, Tenn. Gasoline, kerosene, motor fuel, etc. 540,063, Mar. 27; Serial No. 590,664, published Dec. 5, 1950. Class 15.

Kenron Steel Products: *See*—
Turkin, Nathan H.

Kent-Moore Organization, Inc., Detroit, Mich. Electric lighting fixtures, electrically operated heating mechanism. 539,854, Mar. 27; Serial No. 552,987, published Jan. 31, 1950. Class 21.

Kester Solder Company, Chicago, Ill. Solder. 539,899, Mar. 27; Serial No. 574,842, published Dec. 5, 1950. Class 14.

Keyston Bros., San Francisco, Calif. Children's Indian suits, children's cowboy suits, children's cowboy vests, etc. 539,843, Mar. 27; Serial No. 544,875, published Sept. 5, 1950. Class 39.

Keystone Manufacturing Company, Schuylkill Haven, Pa. Anthracite stokers, anthracite stoker-boiler units, and parts thereof. 540,117, Mar. 27; Serial No. 592,912, published Dec. 26, 1950. Class 34.

Kiddicraft Limited, Purley, Surrey, England. Rattles; farmyard dominoes; pull along trains; etc. 443,899, Apr. 11, 1950. Republished Mar. 27. Class 22.

King, Charles L., New York, N. Y. Tie racks. 539,879, Mar. 27; Serial No. 562,938, published Dec. 19, 1950. Class 32.

Kings County Packing Co., Armona, by Kings County Packing Company, Ltd., San Francisco, Calif. Canned fruits. 169,305, June 12, 1923. Republished Mar. 27. Class 46.

Kings County Packing Company, Ltd.: *See*—
Kings County Packing Co.

Knight, B. B. & R., Corporation, to Fruit of Loom, Inc., Providence, R. I. Textiles. 279,708, renewed Jan. 20, 1951. O. G. Mar. 27. Class 42.

Kohler, Harold J., trading as Monarch Laboratories, and Monarch Labs., Chicago, Ill. Electrically heated vaporizers. 540,118, Mar. 27; Serial No. 592,915, published Jan. 2, 1951. Class 21.

Kraft Foods Company, Chicago, Ill. Condiment in the form of a sauce. 540,015, Mar. 27; Serial No. 587,195, published Dec. 5, 1950. Class 46.

Kreider, A. S., & Son Co., The, Palmyra, Pa. Misses', girls', boys', men's, women's, and children's shoes. 539,963, Mar. 27; Serial No. 582,358, published Dec. 27, 1950. Class 39.

Landis Machine Company, St. Louis, Mo. Machinery for making and repairing shoes. 539,799, Mar. 27; Serial No. 522,639, published Jan. 2, 1951. Class 23.

Land-O-Nod Company, The, Minneapolis, Minn. Mattresses. 539,810, Mar. 27; Serial No. 533,452, published Dec. 26, 1950. Class 32.

Landorf, Sam, & Co., Inc., New York, N. Y. Children's dresses. 540,100, Mar. 27; Serial No. 592,326, published Dec. 26, 1950. Class 39.

Larkin, Daniel C., doing business under the assumed name of The Crest Company, Detroit, Mich. Automobile seat covers. 540,142, Mar. 27; Serial No. 594,173, published Nov. 21, 1950. Class 19.

Laundercart, Huntsville, Ala. Portable stands for conveying laundry baskets. 540,216, Mar. 27; Serial No. 567,581. Class 24.

Lavelle, Michael, doing business as Authenticolor, New York, N. Y. Color photography services. 540,253, Mar. 27; Serial No. 562,863. Class 103.

Lawrence, A. C., Leather Company, Peabody, Mass. Leather and wool pelts. 539,870, Mar. 27; Serial No. 559,305, published Jan. 2, 1951. Class 1.

Lawrence Products Company, Inc., Attalla, Ala. Cotton rugs. 540,238, Mar. 27; Serial No. 590,229. Class 42.

Lawrence Products Company, Inc., Attalla, Ala. Cotton rugs. 540,244, Mar. 27; Serial No. 593,924. Class 42.

Lazy Daisy International: *See*—
Hague, Morton.

Lee Rubber and Tire Corporation, Conshohocken, Pa. Uncured, vulcanizable rubber compositions. 539,877, Mar. 27; Serial No. 562,561, published Jan. 2, 1951. Class 1.

Lehn & Fink Products Corporation, Bloomfield, N. J. Cleansing tissues. 539,868, Mar. 27; Serial No. 558,147, published Nov. 28, 1950. Class 37.

Lehon Company, The, Chicago, Ill. Automobile floor covers and running board covers, cab curtains, etc. 444,451, Mar. 27; Serial No. 520,730, published Dec. 26, 1950. Class 19.

Lennox Furnace Company, The, Marshalltown, Iowa. Portable electric fans. 540,246, Mar. 27; Serial No. 602,322. Class 21.

Lever Brothers Company: *See*—
Jelke, John F., Company.

Levi, H., & Co., Kansas City, Mo. Men's, boys', ladies', and girls' underwear. 540,237, Mar. 27; Serial No. 590,165. Class 39.

Lewis, Conley, Company: *See*—
Lewis, Conley A.

Lewis, Conley A., doing business as Conley Lewis Company, Terra Alta, W. Va. Manually operable apparatus. 539,944, Mar. 27; Serial No. 580,018, published Dec. 19, 1950. Class 23.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 540,210, Mar. 27; Serial No. 543,498. Class 17.

Lewis-Shepard Products, Inc., Watertown, Mass. Floor trucks and parts thereof. 539,837, Mar. 27; Serial No. 543,724, published Dec. 19, 1950. Class 19.

Lexington Supply Co., The, Cleveland, Ohio. Nail-like fasteners. 540,159, Mar. 27; Serial No. 595,324, published Jan. 2, 1951. Class 13.

Licoreria Marin Inc.: *See*—
Marin, Manuel, & Co.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 540,043, Mar. 27; Serial No. 589,859, published Nov. 28, 1950. Class 18.

Lima Cord Sole and Heel Company, The, to Gro-Cord Rubber Company, Lima, Ohio. Soles. 277,675, renewed Nov. 25, 1950. O. G. Mar. 27. Class 39.

Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. 540,097, Mar. 27; Serial No. 592,273, published Dec. 26, 1950. Class 1.

Lincoln Industries, Inc., Marion, Va. Table leaves. 540,048, Mar. 27; Serial No. 590,091, published Dec. 19, 1950. Class 32.

Lipschultz Bros., St. Paul, Minn. Automobile seat covers. 540,141, Mar. 27; Serial No. 594,131, published Nov. 21, 1950. Class 19.

Logan, A. J., Company, Pittsburgh, Pa. Mattresses and box springs. 540,017, Mar. 27; Serial No. 587,556, published Sept. 5, 1950. Class 32.

Logan Co., Louisville, Ky. Fireplace screens. 540,004, Mar. 27; Serial No. 585,947, published Dec. 19, 1950. Class 34.

Ludwig, F. G., Associates, Woodbridge, Conn. Contact printing apparatus. 540,064, Mar. 27; Serial No. 590,667, published Oct. 17, 1950. Class 26.

Lyon, Incorporated, Detroit, Mich. Wheel covers. 539,894, Mar. 27; Serial No. 569,164, published Dec. 26, 1950. Class 19.

MacArthur Products, Inc., Springfield, Mass. Set of wheels with brackets therefor. 540,068, Mar. 27; Serial No. 590,985, published Dec. 12, 1950. Class 19.

MacArthur Products, Inc., Springfield, Mass. Set of wheels with brackets therefor. 540,069, Mar. 27; Serial No. 590,987, published Dec. 12, 1950. Class 19.

Macbeth Engineering Corporation, Harrisburg, Pa. Continuous and automatic deep fat food fryers and pretzel cookers, and attachments therefor. 539,878, Mar. 27; Serial No. 562,865, published Dec. 26, 1950. Class 34.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric capacitors. 540,164, Mar. 27; Serial No. 595,607, published Dec. 26, 1950. Class 21.

Malone, L. T., doing business as L. T. Malone Co., Phoenix, Ariz. Fresh vegetables and melons. 540,016, Mar. 27; Serial No. 587,339, published Dec. 19, 1950. Class 46.

Malone, L. T., Co.: *See*—
Malone, L. T.

Mantefur, Harry, doing business as Mantefur Mattress Company, to Mantefur Mattress Co., Philadelphia, Pa. Mattresses. 273,072, renewed July 22, 1950. O. G. Mar. 27. Class 32.

Mantefur Mattress Co.: *See*—
Mantefur, Harry

Mantefur Mattress Company: *See*—
Mantefur, Harry.

Maple Island Farm, Inc., Stillwater, Minn., now by change of name Maple Island, Inc. Powdered whole milk, powdered ice cream mix and whole milk powder. 539,914, Mar. 27; Serial No. 577,397, published Oct. 24, 1950. Class 46.

Maple Island, Inc.: *See*—
Maple Island Farm, Inc.

Marin, Manuel, & Co., by Licoreria Marin Inc., Mayaguez, P. R. Alcoholic cordials. 322,711, Mar. 19, 1935. Republished Mar. 27. Class 49.

Marinn Manufacturing Co., Inc., New York, N. Y. Electric broilers. 540,182, Mar. 27; Serial No. 597,281, published Jan. 2, 1951. Class 21.

Massey-Harris Company, The, Racine, Wis. Hydraulic rams. 540,194, Mar. 27; Serial No. 599,713, published Dec. 5, 1950. Class 23.

Master Pad Corporation, New York, N. Y. Batting and filler material. 540,081, Mar. 27; Serial No. 591,745, published Dec. 26, 1950. Class 1.

McCarthy, James J., doing business as Triumph Mfg. Company, to Triumph Mfg. Co., Chicago, Ill. Radio and television testing apparatus. 329,220, Oct. 22, 1935. New certificate. O. G. Mar. 27. Class 26.

McLaughlin Gormley King Company, Minneapolis, Minn. Concentrated extract for use in insecticides. 283,837, renewed June 9, 1951. O. G. Mar. 27. Class 6.

McNeil Drug Co, Inc.: *See*—
McNeil Drug Company.

McNeil Drug Co. (Inc.): *See*—
McNeil Drug Company.

McNeil Drug Company, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla. Liniment. 359,242, Aug. 9, 1938. Republished Mar. 27. Class 18.

McNeil Drug Company, doing business as McNeil Drug Co. Inc., Jacksonville, Fla. Pills. 359,272, Aug. 9, 1938. Republished Mar. 27. Class 18.

McNeil Drug Company, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla. Alterative compound for the relief of the discomforts of muscular aches and pains. 360,526, Sept. 20, 1938. Republished Mar. 27. Class 18.

Messenger Corporation, Auburn, Ind. Greeting cards. 540,114, Mar. 27; Serial No. 592,715, published Dec. 12, 1950. Class 38.

Metasap Chemical Company, Harrison, N. J. Metallic soap compositions. 540,001, Mar. 27; Serial No. 585,657, published Dec. 5, 1950. Class 15.

Metropolis Candy Co., Inc., New York, N. Y. Candy. 540,073, Mar. 27; Serial No. 591,098, published Nov. 21, 1950. Class 46.

Middletown Footwear, Inc., Middletown, N. Y. Ladies' evening shoes and bridal shoes. 540,185, Mar. 27; Serial No. 597,347, published Jan. 2, 1951. Class 39.

Midwest Radio and Television Corporation, The, Cincinnati, Ohio. Radio receiving sets, parts of radio receiving sets, etc. 540,082, Mar. 27; Serial No. 591,759, published Jan. 2, 1951. Class 21.

Miller, K. J., Corporation, The, Cicero, Ill., by change of name from Miller-Simons, Inc. Paint brushes and rollers. 539,794, Mar. 27; Serial No. 510,188, published Jan. 2, 1951. Class 29.

Miller Manufacturing, Inc., St. Paul, Minn. Automatic poultry water fountains. 540,098, Mar. 27; Serial No. 592,275, published Jan. 2, 1951. Class 13.

Miller-Simons, Inc.: *See*—
Miller, K. J., Corporation, The.

Mitchell Farms, Windfall, Ind. Seed wheat, seed oats, and seed soybeans. 540,019, Mar. 27; Serial No. 587,600, published Jan. 2, 1951. Class 1.

Model Flour Mills Co., The: *See*—
Colorado Milling & Elevator Co., The.

Modglin Company, Inc., Los Angeles, Calif. Plastic bristles. 540,050, Mar. 27; Serial No. 590,278, published Nov. 14, 1950. Class 1.

Molded Products, Inc., Cockeysville, Md. Outboard motor boats. 539,938, Mar. 27; Serial No. 579,645, published Dec. 12, 1950. Class 19.

Monarch Laboratories: *See*—
Kohler, Harold J.

Monarch Labs.: *See*—
Kohler, Harold J.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. 539,798, Mar. 27; Serial No. 519,683, published Nov. 14, 1950. Class 37.

Morris & Company: *See*—
Armour and Company.

Morton Salt Company, assignee: *See*—
Mulkey Salt Company.
Ruggles & Rademaker Salt Company.

Motomatic Products Company, Cleveland, Ohio. Rear view mirrors. 539,958, Mar. 27; Serial No. 581,342, published Nov. 14, 1950. Class 19.

Mudd, Harvey S., Los Angeles, Calif. Fresh deciduous fruits. 539,809, Mar. 27; Serial No. 532,248, published Dec. 5, 1950. Class 46.

Mulkey Salt Company, Detroit, Mich., assignor to Morton Salt Company, Chicago, Ill. Salt. 539,825, Mar. 27; Serial No. 540,700, published Jan. 2, 1951. Class 46.

Nachman Corporation, Chicago, Ill. Inner spring constructions for upholstered furniture. 540,230, Mar. 27; Serial No. 533,810. Class 32.

Namor Products, Inc., Cleveland, Ohio. Extension tables. 540,148, Mar. 27; Serial No. 594,566, published Dec. 26, 1950. Class 32.

National Milling & Chemical Co.: *See*—
National Milling & Chemical Co., Inc.

National Milling & Chemical Co., Inc., Manayunk, Philadelphia, to National Milling & Chemical Co., Philadelphia, Pa. Alkali for general cleansing purposes. 283,620-1, renewed June 2, 1951. O. G. Mar. 27. Class 52.

National Pressure Cooker Company, Eau Claire, Wis. Combination super-heater and water trap. 540,120, Mar. 27; Serial No. 593,041, published Dec. 26, 1950. Class 21.

National Silver Company, New York, N. Y. Stainless steel table cutlery. 540,198, Mar. 27; Serial No. 601,160, published Dec. 12, 1950. Class 23.

National Silver Company, New York, N. Y. Stainless steel table cutlery. 540,199, Mar. 27; Serial No. 601,162, published Dec. 26, 1950. Class 23.

National-Standard Company, assignee: *See*—
Reynolds Wire Co.

National Starch Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Laundry starch. 81,902, re-renewed May 16, 1951. O. G. Mar. 27. Class 6.

National Starch Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Edible starch. 82,102, re-renewed May 30, 1951. O. G. Mar. 27. Class 46.

Navarette, J. T., doing business as International Drug Store, Sacramento, Calif. Goods-Ointment. 539,980, Mar. 27; Serial No. 584,202, published Nov. 28, 1950. Class 18.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. 444,450, Mar. 27; Serial No. 509,361, published Nov. 7, 1950. Class 38.

Nelson-Columbia, Hugh, Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 539,965, Mar. 27; Serial No. 582,645, published Dec. 26, 1950. Class 42.

New England Fish Company, Seattle, Wash. Fish. 275,373, renewed Sept. 23, 1950. O. G. Mar. 27. Class 46.

New England Playpen Company, Glastonbury, Conn. Children's play pens. 539,999, Mar. 27; Serial No. 585,345, published Dec. 19, 1950. Class 32.

Newtex Steamship Corporation, New York, N. Y. Passenger and freight steamship transporation service. 540,254, Mar. 27; Serial No. 595,999. Class 105.

New York Girl Coat Co., Inc., New York, N. Y. Coats for women and young women. 540,181, Mar. 27; Serial No. 597,222, published Dec. 26, 1950. Class 39.

New York Herald Tribune Inc., New York, N. Y. Comic strip. 540,119, Mar. 27; Serial No. 592,925, published Dec. 12, 1950. Class 38.

New York Herald Tribune Inc., New York, N. Y. Comic strip. 540,125, Mar. 27; Serial No. 593,283, published Dec. 26, 1950. Class 38.

Nod-A-Way, Inc., San Antonio, Tex. Mattresses. 539,943, Mar. 27; Serial No. 579,992, published Dec. 26, 1950. Class 32.

Nopco Chemical Company, Harrison, N. J. Sulfated fatty oils, sulfated fatty acids, fatty amides, etc. 539,973, Mar. 27; Serial No. 583,490, published Dec. 26, 1950. Class 6.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals, etc. 540,079, Mar. 27; Serial No. 591,695, published Dec. 12, 1950. Class 38.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals, etc. 540,092, Mar. 27; Serial No. 592,001, published Dec. 12, 1950. Class 38.

Norman Products Company, Columbus, Ohio. Gas-fired house heaters. 539,848, Mar. 27; Serial No. 547,757, published Dec. 19, 1950. Class 34.

Northome Furniture Industries, Inc., Dubuque, Iowa. Sofa beds. 540,059, Mar. 27; Serial No. 590,515, published Dec. 12, 1950. Class 32.

Norwich Knitting Company, Norwich, N. Y. Textile fabric. 539,901, Mar. 27; Serial No. 577,444, published Dec. 26, 1950. Class 42.

Nutrition Research Laboratories, Chicago, Ill., assignor to Nutrition Research Laboratories, Inc. Pharmaceutical preparation. 539,975, Mar. 27; Serial No. 583,705, published Jan. 2, 1951. Class 18.

Nutrition Research Laboratories, Inc., assignee: *See*—
Nutrition Research Laboratories.

Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats and apparel. 539,910, Mar. 27; Serial No. 575,923, published Dec. 12, 1950. Class 39.

Ohio Mattress Company, The, Cleveland, Ohio. Mattresses. 540,086, Mar. 27; Serial No. 591,860, published Dec. 26, 1950. Class 32.

Ohio Textile Products Co., The, Mansfield, Ohio. Suspenders, garters, arm bands, etc. 540,095, Mar. 27; Serial No. 592,158, published Dec. 12, 1950. Class 39.

Old Quaker Company, The: *See*—
Corning Distilling Co.

Olofsson Tool & Die Company, Lansing, Mich. Automatic weighing machines. 540,066, Mar. 27; Serial No. 590,941, published Oct. 17, 1950. Class 26.

Olympic Glove Company, Inc., The, New York, N. Y. Protective apparel. 540,107, Mar. 27; Serial No. 592,575, published Dec. 26, 1950. Class 39.

Oma Lee Originals: *See*—
Cooper, Oma L.

One Hour Valet, Inc., Jacksonville, Fla. Laundry and dry cleaning. 508,876, Apr. 19, 1949. Corrected. O. G. Mar. 27. Class 106, (formerly Class 55).

Orbon Stove Co., Belleville, Ill. Hot air furnaces and heating stoves. 540,076, Mar. 27; Serial No. 591,509, published Dec. 26, 1950. Class 34.

Oronite Chemical Company, assignee: *See*—
Hodges Research and Development Company.

Pacific Car and Foundry Company, Renton, Wash. Ferrous metal castings. 540,183, Mar. 27; Serial No. 597,289, published Nov. 28, 1950. Class 14.

Pak-Mor Manufacturing Company, San Antonio, Tex. Garbage disposal body mounted on truck chassis. 540,243, Mar. 27; Serial No. 593,137. Class 19.

Paper and Industrial Appliances, Inc., New York, N. Y. Digesters for lignocellulosic material. 539,966, Mar. 27; Serial No. 582,852, published Dec. 26, 1950. Class 23.

Parents' Institute, Inc., The, New York, N. Y. Magazine. 540,051, Mar. 27; Serial No. 590,321, published Dec. 12, 1950. Class 38.

Parker Brothers, Inc., Salem, Mass. Bats and rackets. 283,766, renewed June 9, 1951. O. G. Mar. 27. Class 22.

Parker Brothers, Inc., Salem, Mass. Hollow composition and like balls. 283,767, renewed June 9, 1951. O. G. Mar. 27. Class 22.

Parkwah Chemical Co.: *See*—
Parkwah, George H.

Parkwah, George H., doing business as Parkwah Chemical Co., Seattle, Wash. Textile water-proofing agents. 539,974, Mar. 27; Serial No. 583,492, published Dec. 26, 1950. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Herbicides. 539,950, Mar. 27; Serial No. 580,617, published Jan. 2, 1951. Class 6.

Pennsylvania Steel Corp., The, Detroit, Mich. Tool steel. 540,093–4, Mar. 27; Serial Nos. 592,049–50, published Dec. 5, 1950. Class 14.

Penny Mason, Inc., New York, N. Y. Ladies' and misses' dresses, suits, and coats. 539,947, Mar. 27; Serial No. 580,493, published Jan. 2, 1951. Class 39.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Vehicle tires and tubes therefor. 540,177, Mar. 27; Serial No. 596,939, published Dec. 12, 1950. Class 35.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Storage batteries, dry cell batteries, automobile electric bulb kits, etc. 540,178, Mar. 27; Serial No. 596,940, published Dec. 26, 1950. Class 21.

Pepperell Manufacturing Company, Boston, Mass. Electric blankets. 540,188, Mar. 27; Serial No. 597,899, published Jan. 2, 1951. Class 21.

Percival, D. C., & Co. Inc., Boston, Mass. Diamond-set jewelry. 279,115, renewed Jan. 6, 1951. O. G. Mar. 27. Class 28.

Peters, Brice, G., assignor to Dryomatic Corporation of America, Baltimore, Md. Apparatus for extracting moisture from air. 539,864, Mar. 27; Serial No. 556,364, published Dec. 19, 1950. Class 34.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Mixture of penicillin salts. 539,959, Mar. 27; Serial No. 581,351, published Oct. 25, 1949. Class 18.

Philadelphia Hosiery Company: *See*—
Victorson, Gustave P.

Phillips Packing Company, Inc.: *See*—
Phillips Sales Company, Inc.

Phillips Sales Company, Inc., to Phillips Packing Company, Inc., Cambridge, Md. Canned vegetables. 283,647, renewed June 2, 1951. O. G. Mar. 27. Class 46.

Phoenix Candy Company: *See*—
Carl, Charles A.

Pi Beta Phi, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn. Textile goods. 281,322, renewed Mar. 17, 1951. O. G. Mar. 27. Class 42.

Pi Beta Phi Settlement School: *See*—
Pi Beta Phi.

Pillar of Fire, Zarephath, N. J. Periodical publications. 540,105, Mar. 27; Serial No. 592,515, published Dec. 12, 1950. Class 38.

Pillsbury Mills, Inc.: *See*—
Globe Grain & Milling Co.

Pillsbury Mills, Inc., Minneapolis, Minn. Semolina. 540,211, Mar. 27; Serial No. 546,026. Class 46.

Piper Aircraft Corporation, assignee: *See*—
Consolidated Vultee Aircraft Corporation.

Piper Aircraft Corporation, Lock Haven, Pa. Airplane parts. 540,056, Mar. 27; Serial No. 590,386, published Dec. 26, 1950. Class 19.

Pirelli Sapsa S. p. A.: *See*—
Societa Invenzioni Brevetti Anonima-Torino.

Plant City Vegetable Cooperative, Plant City, Fla. Fresh vegetables. 540,090, Mar. 27; Serial No. 591,951, published Dec. 12, 1950. Class 46.

Plastic Articles Co., Inc., assignee: See—
Foster, Charles H.

Plough, Inc., Memphis, Tenn. Analgesic tablet. 540,200, Mar. 27; Serial No. 601,374, published Jan. 9, 1951. Class 18.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Radio receiving sets and television receiving sets. 540,070, Mar. 27; Serial No. 591,046, published Jan. 2, 1951. Class 21.

Polaroid Corporation, Cambridge, Mass. 540,179, Mar. 27. Light-polarizing organic plastic in sheet form. Serial No. 597,162, published Nov. 28, 1950, Class 1; Photographic cameras, photographic camera shutters, photographic exposure meters, etc., Serial No. 577,982, published Aug. 8, 1950, Class 26. (Consolidated certificate, Classes 1 and 26.)

Poraroid Corporation, Cambridge, Mass. 540,180, Mar. 27. Light polarizing organic plastic in sheet form. Serial No. 597,163, published Nov. 28, 1950, Class 1; Photographic cameras, photographic camera shutters, photographic exposure meters, etc., Serial No. 577,983, published Aug. 8, 1950, Class 26. (Consolidated certificate, Classes 1 and 26.)

Porta Company: *See*—
Stanley, Malcolm N.

Porta-Cue Corporation, New York, N. Y. Electric portable barbecue grills. 540,108, Mar. 27; Serial No. 592,578, published Dec. 26, 1950. Class 21.

Prince Alexis: *See*—
Romanoff, Alexis N.

Propellair, Inc., Columbus, to Robbins & Myers, Inc., Springfield, Ohio. Electric fans. 281,581, renewed Mar. 24, 1951. O. G. Mar. 27. Class 21.

Protection Products Co., Chicago, Ill. Automobile seat covers. 539,793, Mar. 27; Serial No. 507,420, published Nov. 14, 1950. Class 19.

Quaker Oats Company, The, Chicago, Ill. Oat meal, corn meal and wheat flour. 539,986, Mar. 27; Serial No. 584,509, published Oct. 24, 1950. Class 46.

Radio Materials Corporation, Chicago, Ill. Ceramic condensers. 540,189, Mar. 27; Serial No. 597,978, published Jan. 2, 1951. Class 21.

Regal Knitwear Company, Inc., New York, N. Y. Knitted wear. 539,838, Mar. 27; Serial No. 543,836, published Dec. 26, 1950. Class 39.

Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 540,157, Mar. 27; Serial No. 595,036, published Dec. 19, 1950 Class 8.

Relgah Perfumers: *See*—
Hagler, Sam.

Research Products Company, Kansas City, Mo. Insecticides. 539,985, Mar. 27; Serial No. 584,466, published Dec. 26, 1950. Class 6.

Reynolds Wire Co., Dixon, Ill., assignor to National-Standard Company, Wire-screen cloth. 539,829, Mar. 27; Serial No. 542,223, published Jan. 2, 1951. Class 13.

Rhoads, J. E., & Sons, Philadelphia, Pa. Belting. 539,967, Mar. 27; Serial No. 583,050, published Dec. 12, 1950. Class 35.

Richfield Oil Corporation, Los Angeles, Calif. Gasoline, kerosene, petroleum distillate, etc. 540,134, Mar. 27; Serial No. 593,887, published Jan. 2, 1951. Class 15.

Rigidized Metals Corporation, Buffalo, N. Y. Structurally reinforced ferrous and non-ferrous metal sheets and laminated ferrous and non-ferrous metal sheets. 539,906, Mar. 27; Serial No. 573,790, published Dec. 5, 1950. Class 14.

Ritts Co.: *See*—
Ritts, Herbert, Inc.

Ritts, Herbert, Inc., doing business under the fictitious firm name of Ritts Co., Los Angeles, Calif. Chairs, tables and settees. 539,923, Mar. 27; Serial No. 573,142, published Dec. 19, 1950. Class 32.

Ritts, Herbert, Inc., doing business as Tropicmode Furniture Co., Los Angeles, Calif. Chairs, tables and settees. 539,924, Mar. 27; Serial No. 573,143, published Dec. 12, 1950. Class 32.

Ritts, Herbert, Inc., doing business as Ritts Co., Los Angeles, Calif. Chairs, tables and settees. 539,925, Mar. 27; Serial No. 573,144, published Dec. 19, 1950. Class 32.

Robbins & Myers, Inc.: *See*—
Propellair, Inc.

Roberts, Fred L., Enterprises, Los Angeles, Calif. Electric garbage disposal units. 540,191, Mar. 27; Serial No. 598,107, published Jan. 2, 1951. Class 21.

Rockwell Manufacturing Company, Pittsburgh, Pa. Valve lubricating greases. 540,013, Mar. 27; Serial No. 587,088, published Dec. 12, 1950. Class 15.

Rocky Mount Cord Company, Rocky Mount, N. C. Cord and rope. 540,201, Mar. 27; Serial No. 602,164, published Dec. 26, 1950. Class 7.

Roffer, I. M., Sons Company, Inc., New York, N. Y. Women's coats and suits. 540,025, Mar. 27; Serial No. 587,972, published Dec. 26, 1950. Class 39.

Romanoff, Alexis N., doing business as Prince Alexis, New York, N. Y. Cologne and perfume. 539,824, Mar. 27; Serial No. 540,455, published Jan. 2, 1951. Class 51.

Roundy, Peckham & Dexter Co., Milwaukee, Wis. Apple butter, barley, bean sprouts, etc. 539,804, Mar. 27; Serial No. 529,089, published Mar. 15, 1949. Class 46.

Rubin & Company, New York, N. Y. Watches. 539,978, Mar. 27; Serial No. 584,017, published Jan. 2, 1951. Class 27.

Ruggles & Rademaker Salt Company, Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill. Salt. 539,826, Mar. 27; Serial No. 540,718, published Nov. 21, 1950. Class 46.

Russell Playing Card Company, Jersey City, N. J., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 283,904, renewed June 9, 1951. O. G. Mar. 27. Class 22.

Russell & Stoll Company, Inc., New York, N. Y. Electrical plugs, receptacles, and cord connectors. 540,112, Mar. 27; Serial No. 592,666, published Jan. 2, 1951. Class 21.

S. A. F. I. E. X.: *See*—
Forat, Antoine H.

S and M Company, The, Minneapolis, Minn. Automobile tires. 539,918, Mar. 27; Serial No. 572,454, published Nov. 28, 1950. Class 35.

Safety First Shoe Company: *See*—
Williams, Arthur A.

"Safety-Set" Window Lock Company: *See*—
Bunch, Dale E.

Saginaw Furniture Shops, Inc., Chicago, Ill. Extension furniture. 540,136, Mar. 27; Serial No. 594,000, published Dec. 26, 1950. Class 32.

St. Claire, Rene, Products Co.: *See*—
Brog, Victor.

Sally Ann Cookies, Fox River Grove, Ill. Baked cookies. 539,968, Mar. 27; Serial No. 583,053, published Dec. 19, 1950. Class 46.

San Giovanni, Edward, New York, N. Y. Ashtrays. 539,898, Mar. 27; Serial No. 573,900, published Dec. 12, 1950. Class 8.

Sauerman Bros., Inc., Chicago, Ill. Power drag scrapers. 539,801, Mar. 27; Serial No. 527,156, published Dec. 12, 1950. Class 23.

Sauter, Alfred E., doing business as Sauter Brothers, New York, N. Y., by Stadium Manufacturing Company, Inc., Baltimore, Md. Infants' and children's pajamas. 305,554, Aug. 22, 1933. Republished Mar. 27. Class 39.

Sauter Brothers: *See*—
Sauter, Alfred E.

Schaefer Brass & Mfg. Co.: *See*—
Schaefer, Wilbert F.

Schaefer, Wilbert F., doing business as Schaefer Brass & Mfg. Co., St. Louis, Mo. Ventilation and exhaust fans. 540,101, Mar. 27; Serial No. 592,389, published Dec. 26, 1950. Class 34.

Schape Manufacturing Company, The, Baltimore, Md., now by change of name Dryomatic Corporation of America. Apparatus for extracting moisture from air. 539,859, Mar. 27; Serial No. 554,818, published Dec. 26, 1950. Class 34.

Schenley Laboratories, Inc., assignor to Bristol Laboratories, Inc., New York, N. Y. Procaine penicillin in oil. 539,912, Mar. 27; Serial No. 576,475, published May 2, 1950. Class 18.

Schering Corporation, Bloomfield, N. J. Sugar-coated tablet containing medicinal preparations. 540,029, Mar. 27; Serial No. 588,232, published Jan. 2, 1951. Class 18.

Schlage Lock Company, San Francisco, Calif. Lock sets. 539,861, Mar. 27; Serial No. 555,201, published Dec. 26, 1950. Class 25.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 281,109, renewed Mar. 10, 1951. O. G. Mar. 27. Class 39.

Schoenfeld & Wolf, Inc.: *See*—
Halberstadt & Co, Inc.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields or pads. 278,423, renewed Dec. 16, 1950. O. G. Mar. 27. Class 18.

Schuler Potato Chip Co., Inc., Rochester, N. Y. Potato wafers. 540,071, Mar. 27; Serial No. 591,051, published Nov. 21, 1950. Class 46.

Scintilla Limited, Soleure, Switzerland. Ignition apparatus, electric alarm apparatus, etc. 539,847, Mar. 27, Serial No. 547,666, published Oct. 17, 1950. Class 21.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. 539,895, Mar. 27; Serial No. 570,125, published May 16, 1950. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Tractor tires. 539,960, Mar. 27; Serial No. 581,361, published Dec. 12, 1950. Class 35.

Sebasco Fishermen's Association, Sebasco Estates, Maine. Frozen fish. 540,205, Mar. 27; Serial No. 531,379. Class 46.

See Fabriks Aktiebolag, Sandviken, Sweden. Drawn and cold rolled metal tubular structural members and tube blanks. 539,929, Mar. 27; Serial No. 577,993, published Nov. 7, 1950. Class 14.

Selby, Battersby & Company, Philadelphia, Pa. Materials for plastic and mastic floor coverings, etc. 275,252, renewed Sept. 16, 1950. O. G. Mar. 27. Class 12.

"Semperit" Österreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria. Shoes, boots and sandals. 539,904, Mar. 27; Serial No. 573,506, published Oct. 10, 1950. Class 39.

Sepco Corporation: *See*—
Automatic Electric Heater Company.

Shaler Company, The, Waupun, Wis. Chemical additive to lubricating oil. 539,839, Mar. 27; Serial No. 543,843, published Dec. 19, 1950. Class 15.

Shane, C. B., Corporation, Chicago, Ill. Removable linings. 540,026, Mar. 27; Serial No. 587,977, published Dec. 12, 1950. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 540,052, Mar. 27; Serial No. 590,329, published Nov. 28, 1950. Class 18.

Shaw-Walker Company, The, Muskegon, Mich. Insulated filing cabinets. 540,027, Mar. 27; Serial No. 588,050, published Dec. 19, 1950. Class 32.

Sheffield Corporation, The, Dayton, Ohio. Wheel dressers. 444,448, Mar. 27; Serial No. 504,298, published Dec. 26, 1950. Class 23.

Shiffer, Charles E., doing business as Cathomint Co., by Dr. Shiffer's Laboratories, Inc., Cleveland, Ohio. Laxative mints and pills. 317,165, Sept. 18, 1934. Republished Mar. 27. Class 18.

Shiffer's, Dr., Laboratories, Inc.: *See*—
Shiffer, Charles E.

Shirley Corporation, Indianapolis, Ind. Kitchen cabinets. 540,122, Mar. 27; Serial No. 593,087, published Dec. 26, 1950. Class 32.

Shirtcraft Company, Inc., The, New York, N. Y. Men's, boys', and ladies' jackets. 540,096, Mar. 27; Serial No. 592,231, published Dec. 26, 1950. Class 39.

Silk-O-Lite Mfg. Corp., New York, N. Y. Fabric lampshades. 539,852, Mar. 27; Serial No. 551,482, published Dec. 26, 1950. Class 21.

Siter, A. S., & Son, Morton, Pa. Flower seeds. 540,002, Mar. 27; Serial No. 585,867, published Jan. 2, 1951. Class 1.

Skeoch, Walter K., doing business as Tri-State Minerals Company, Ogden, Utah, and also doing business as Southern California Minerals Company, Los Angeles, Calif. Ground raw materials. 539,865, Mar. 27; Serial No. 556,607, published Jan. 2, 1951. Class 1.

Skin Tested Drug Products, Inc., New York, N. Y. Hair tonic scalp preparation. 539,889, Mar. 27; Serial No. 567,805, published Jan. 2, 1951. Class 51.

Skinner & Pelton, Inc., Chicago, Ill. Earphone and volume control attachments. 540,161, Mar. 27; Serial No. 595,421, published Dec. 26, 1950. Class 21.

Skyline Publications, Inc., New York, N. Y. Section of a periodical publication. 540,031, Mar. 27; Serial No. 588,531, published Dec. 19, 1950. Class 38.

Smith Brothers Manufacturing Co., Carthage, Mo. Denim garments. 540,109, Mar. 27; Serial No. 592,580, published Dec. 26, 1950. Class 39.

Società Invenzioni Brevetti Anonima-Torino Turin, to Pirelli Sapsa S. p. A., Sesto San Giovanni, Italy. Material made from scraps of real leather. 269,054, renewed Mar. 25, 1950. O. G. Mar. 27. Class 1.

Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium. Thermic raw zinc. 540,006, Mar. 27; Serial No. 586,657, published Nov. 14, 1950. Class 14.

Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium. Lead. 540,007, Mar. 27; Serial No. 586,658, published Nov. 14, 1950. Class 14.

Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium. Electrolytic raw zinc. 540,008, Mar. 27; Serial No. 586,659, published Nov. 14, 1950. Class 14.

Society of Industrial Packaging and Materials Handling Engineers, Chicago, Ill. Periodical. 540,241, Mar. 27; Serial No. 591,888. Class 38.

Solar Steel Corporation, Cleveland, Ohio. Steel and iron. 540,061, Mar. 27; Serial No. 590,623, published Dec. 5, 1950. Class 14.

Sommer & Kaufmann, San Francisco, Calif. Boys' shoes. 539,994, Mar. 27; Serial No. 585,032, published Dec. 26, 1950. Class 39.

Sommer & Kaufmann, San Francisco, Calif. Men's leather and combined leather and rubber shoes. 540,028, Mar. 27; Serial No. 588,112, published Jan. 2, 1951. Class 39.

South Pacific Canning Company, Long Beach, Calif. Canned mackerel. 539,922, Mar. 27; Serial No. 573,102, published Dec. 19, 1950. Class 46.

Southern California Minerals Company: *See*—
Skeoch, Walter K.

Southworth Machine Company, Portland, Maine. Machinery. 539,853, Mar. 27; Serial No. 551,745, published Nov. 7, 1950. Class 23.

Spur Knitting Mills Inc., New York, N. Y. Ladies', misses' juniors', children's and infants' sweaters, and infants' and children's knitted pantie suits. 539,905, Mar. 27; Serial No. 573,576, published May 30, 1950. Class 39.

Stagg, Geo. T. Company, The: *See*—
Buffalo Springs Distilling Company, Incorporated.

Stagg, Geo. T., Company, The, Frankfort, Ky. Whiskey. 318,362, Oct. 22, 1934. Republished Mar. 27. Class 49.

Stadium Manufacturing Company, Inc.: *See*—
Sauter, Alfred E.

Standard Motor Products, Inc., Long Island City, N. Y. Replacement and repair parts, and servicing kits and tools. 540,131, Mar. 27; Serial No. 593,754, published Dec. 12, 1950. Class 23.

Standard Oil Company of New Jersey, Wilmington, Del. Lubricating grease. 367,419, May 16, 1939. Amended. O. G. Mar. 27. Serial 15.

Stanley, Malcolm N., doing business as Porta Company, Boston, Mass. Collapsible boat. 540,239, Mar. 27; Serial No. 590,838. Class 19.

Stanley Rule & Level Co., to The Stanley Works, New Britain, Conn. Planes. 36,465, re-renewed May 21, 1951. O. G. Mar. 27. Class 23.

Stanley Works, The: *See*—
Stanley Rule & Level Co.

Stanley Works, The, New Britain, Conn. Strip-steel strapping. 280,121, renewed Feb. 10, 1951. O. G. Mar. 27. Class 13.

Stanley Works, The, New Britain, Conn. Rules. 281,768, renewed Mar. 31, 1951. O. G. Mar. 27. Class 26.

Sterling Belt Co., Inc., New York, N. Y. Garment belts. 540,022, Mar. 27; Serial No. 587,764, published Dec. 26, 1950. Class 39.

Stockhausen, Frederick, doing business under the name and style of U-Mak-It Products, New York, N. Y. Knock-down parts for rowboats, kayaks, runabouts, dingeys, etc. 540,155, Mar. 27; Serial No. 595,013, published Dec. 12, 1950. Class 19.

Stoddard, G. S., & Co., Inc., New York, N. Y. Medicinal preparations. 539,911, Mar. 27; Serial No. 576,239, published Jan. 2, 1951. Class 18.

Stollwerck, A. M., Inc., Camden, N. J. Chocolate and cocoa butter. 534,825, Dec. 12, 1950. Corrected. O. G. Mar. 27. Class 46

Straub, W. F., & Company, Chicago, Ill. Extracted honey. 540,231, Mar. 27; Serial No. 537,633. Class 46.

Stromberg-Carlson Company, Rochester, N. Y. Radio and television receiving sets. 539,857, Mar. 27; Serial No. 553,424, published Jan. 2, 1951. Class 21.

Stuart, D. A., Oil Co., Limited, Chicago, Ill. Heat treating compounds. 539,813, Mar. 27; Serial No. 534,683, published Dec. 19, 1950. Class 6.

Stulz-Sickles Company, Newark, N. J. Metals. 539,939, Mar. 27; Serial No. 579,845, published Dec. 5, 1950. Class 14.

Styron-Beggs Company, The, Newark, Ohio. Oxide of zinc, alum, ammonia, etc. 281,062, renewed Mar. 10, 1951. O. G. Mar. 27. Class 51.

Sunbeam Corporation, Chicago, Ill. Portable electric radiant heaters. 540,165, Mar. 27; Serial No. 595,690, published Dec. 26, 1950. Class 21.

Sunshine Biscuits, Inc., Long Island City, N. Y. Biscuits. 539,833, Mar. 27; Serial No. 542,798, published Oct. 3, 1950. Class 46.

Sunspiced Vegetables, Inc., Vacaville, Calif. Dried onions. 539,872, Mar. 27; Serial No. 560,364, published Dec. 19, 1950. Class 46.

Superior Electric Company, The, Bristol, Conn. Voltage regulators. 540,187, Mar. 27; Serial No. 597,553, published Dec. 26, 1950. Class 21.

Sure Rest Bedding Co., Newark, N. J. Mattresses, springs, pillows, etc. 371,802, Oct. 10, 1939. Amended. O. G. Mar. 27. Class 32.

Surprise Brassiere Co., Inc., New York, N. Y. Brassières, corsets, and foundation garments. 540,242, Mar. 27; Serial No. 592,288. Class 39.

Swank, Inc.: *See*—
Freeman-Daughady Company.

Swift & Company, Chicago, Ill. Glue. 539,996, Mar. 27; Serial No. 585,146, published Dec. 5, 1950. Class 5.

Swift, M., & Sons, Inc., Hartford, Conn. Metal foil. 539,988, Mar. 27; Serial No. 584,598, published Dec. 5, 1950. Class 14.

Tela-Tena Company, Evanston, Ill. Television receiver antennas. 540,156, Mar. 27; Serial No. 595,016, published Dec. 26, 1950. Class 21.

Televisor Company: *See*—
Televizor Corp.

Televizor Corp., assignor to C. W. Zwirn, doing business as Televisor Company, New York, N. Y. Optical lenses, spectacles, eye glasses, etc. 539,915, Mar. 27; Serial No. 570,592, published Oct. 3, 1950. Class 26.

Temco, Inc., Nashville, Tenn. Clothes dryer. 540,196–7, Mar. 27; Serial No. 600,358–9, published Dec. 26, 1950. Class 24.

Tennant, C., Sons & Co., of New York, New York, N. Y. Metal strapping. 540,084, Mar. 27; Serial No. 591,812, published Jan. 2, 1951. Class 13.

Tension Envelope Corporation, Kansas City, Mo. Mailing envelopes. 539,886, Mar. 27; Serial No. 566,194, published Sept. 5, 1950. Class 37.

Thompson-Hayward Chemical Company, Kansas City, Mo. Disinfectant. 539,919, Mar. 27; Serial No. 572,536, published Jan. 2, 1951. Class 6.

Tire-Larm Company, Minneapolis, Minn. Deflation indicators. 540,223, Mar. 27; Serial No. 575,610. Class 26.

Toledo Scale Company, Toledo, Ohio. Weighing scales, weighing-machines, weighing apparatus, etc. 141,301, renewed Jan. 5, 1948. O. G. Mar. 27. Class 26.

Top Tunes Company: *See*—
French, Edward R.

Transmares Products Co., Inc., New York, N. Y. Cellulose-base powder. 539,937, Mar. 27; Serial No. 579,573, published Jan. 2, 1951. Class 6.

Tri-State Minerals Company: *See*—
Skeoch, Walter K.

Triple "XXX" Company, to Galveston-Houston Breweries, Inc., Galveston, Tex. Sandwiches and condiment sauce. 283,959, renewed June 9, 1951. O. G. Mar. 27; Class 46.

Triumph Mfg. Co.: *See*—
McCarthy, James J.

Triumph Mfg. Company: *See*—
McCarthy, James J

Tropicmode Furniture Co.: *See*—
Ritts, Herbert, Inc.

True Form Corset Company, Inc., Philadelphia, Pa. Brassières. 540,174, Mar. 27; Serial No. 596,309, published Jan. 2, 1951. Class 39.

Turkin, Nathan H., doing business under the name of Kenron Steel Products, Chicago, Ill. Motor driven water pumps. 540,147, Mar. 27; Serial No. 594,504, published Dec. 12, 1950. Class 23.

Turner Brass Works, The, Sycamore and Chicago, to The Turner Brass Works, Sycamore, Ill. Gasolene-operated torches, blowpipes and heaters, etc. 81,312, re-renewed Mar. 21, 1951. O. G. Mar. 27. Class 34.

U-Mak-It Products: *See*—
Stockhausen, Frederick.

Unipress Company, Incorporated, The, assignor to The Unipress Corporation, Minneapolis, Minn. Laundry presses. 540,009, Mar. 27; Serial No. 586,669, published Jan. 2, 1951. Class 24.

Unipress Corporation, The: *See*—
Unipress Company, Incorporated, The.

United Conveyor Corporation, Chicago, Ill. Electrically operated control including a switch. 539,902, Mar. 27; Serial No. 577,826, published Dec. 26, 1950. Class 21.

United States Playing Card Company, The: *See*—
Russell Playing Card Company.

United States Rubber Company, New York, N. Y. Hard thermoplastic rubber-resin sheet material. 539,903, Mar. 27; Serial No. 577,827, published Jan. 2, 1951. Class 1.

United States Rubber Company, New York, N. Y. Hose. 539,940, Mar. 27; Serial No. 579,953, published Dec. 12, 1950. Class 35.

U. S. Slicing Machine Company, Inc., La Porte, Ind. Meat tenderizing and slicing machines and parts thereof and therefor. 539,876, Mar. 27; Serial No. 562,105, published Dec. 12, 1950. Class 23.

Universal Utility Co., Gloversville, N. Y. Aluminum foil sheets. 539,953, Mar. 27; Serial No. 581,104, published Dec. 12, 1950. Class 14.

Vagim Packing Co., Fresno, Calif. Dried fruits. 540,247. Mar. 27; Serial No. 567,608. Class 46.

Vagim Packing Co., Fresno, Calif. Raisins. 540,248. Mar. 27; Serial No. 567,609. Class 46.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Garden hose and rakes, etc. 81,560, re-renewed Apr. 18, 1951. O. G. Mar. 27. Class 23.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Hinges, butts, sash-lifts, door-hinges, etc. 81,836, re-renewed May 9, 1951. O. G. Mar. 27. Class 13.

Vanity Fair Mills, Inc., Reading, Pa. Underwear, lingerie, and sleeping garments for women and misses. 540,214, Mar. 27; Serial No. 558,828. Class 39.

Victorson, Gustave P., doing business as Philadelphia Hosiery Company, New York, N. Y. Ladies' hosiery. 540,127, Mar. 27; Serial No. 593,380, published Dec. 26, 1950. Class 39.

Vincent-McCall Company, The, Kenosha, Wis. Mattresses. 540,145, Mar. 27; Serial No. 594,343, published Dec. 26, 1950. Class 32.

Virginia-Carolina Chemical Corporation, Richmond, Va. Combed and topped artificial protein fibre for use in wrapping around hair ends for protection during permanent waving. 539,983, Mar. 27; Serial No. 584,303, published Jan. 2, 1951. Class 44.

Vitulli, D., & Company, Bothell, Wash. Fresh celery, lettuce, cauliflower, etc. 540,207, Mar. 27; Serial No. 542,060. Class 46.

Von Siegl, Rudolf R., Stonecrest, N. Y. Maps. 540,047, Mar. 27; Serial No. 590,042, published Dec. 19, 1950. Class 38.

W. B. Foundations, Incorporated, Newark, N. J. Corsets, brassières, corset-covers, and girdles. 540,166, Mar. 27; Serial No. 595,749, published Dec. 12, 1950. Class 39.

Wabash Manufacturing Company, Chicago, Ill. Hose made of rubber or fabric, or a combination thereof. 539,976, Mar. 27; Serial No. 583,721, published Dec. 19, 1950. Class 35.

Walburn Equipment Company, assignor to John E. Burnside, Cleveland, Ohio. Prismatic refractors. 540,065, Mar. 27; Serial No. 590,920, published Dec. 26, 1950. Class 19.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Tablets containing vitamin B-12. 540,149, Mar. 27; Serial No. 594,601, published Jan. 2, 1951. Class 18.

Walton Rice Mill, Inc., Stuttgart, Ark. Milled rice. 539,907, Mar. 27; Serial No. 574,556, published Oct. 3, 1950. Class 46.

Warner, Vernild G., New Orleans, La. Residential building construction services. 540,251, Mar. 27; Serial No. 559,076. Class 103.

Waterman, L. E., Company, New York, N. Y. Fountain-pens. 35,849, re-renewed Feb. 5, 1951. O. G. Mar. 27. Class 37.

Wayne Knitting Mills, Fort Wayne, Ind. Periodical publication. 540,091, Mar. 27; Serial No. 591,971, published Dec. 12, 1950. Class 38.

Weather Master Company, Incorporated, The, Wichita, Kans. Visors for the front windshields of vehicles. 540,204, Mar. 27; Serial No. 510,794. Class 19.

Webb's City, Inc., St. Petersburg, Fla. Cigars. 539,866, Mar. 27; Serial No. 557,405, published Dec. 19, 1950. Class 17.

Webster, Warren, & Company, Camden, N. J. Heating apparatus. 444,452, Mar. 27; Serial No. 525,723, published Dec. 26, 1950. Class 34.

Welks, John E., doing business as Wix Cooler Company, Seattle, Wash. Marine engine coolers or heat exchange units. 539,818, Mar. 27; Serial No. 538,479, published Dec. 26, 1950. Class 34.

Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Oleomargarine, noodles, fruit preserves, etc. 539,817, Mar. 27; Serial No. 538,331, published Oct. 3, 1950. Class 46.

Western Fruit & Produce Co., Inc., Yakima, Wash. Fresh deciduous fruits. 539,979, Mar. 27; Serial No. 584,178, published Nov. 14, 1950. Class 46.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Relays and relaying systems. 539,851, Mar. 27; Serial No. 548,892, published Jan. 2, 1951. Class 21.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric linear motors. 539,862, Mar. 27; Serial No. 555,330, published Jan. 2, 1951. Class 21.

Whitelaw, Aubrey H., doing business as Yankee Enterprises Associates, North Stonington, Conn. Services preliminary to, or in conjunction with customers' advertising. 540,250, Mar. 27; Serial No. 544,236. Class 101.

Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. 540,186, Mar. 27; Serial No. 597,496, published Dec. 26, 1950. Class 21.

Wico Electric Company, West Springfield, Mass. Electric cigarette lighters. 540,126, Mar. 27; Serial No. 593,308, published Dec. 19, 1950. Class 8.

Wigwam Flue Top Company, Abington, Mass. Metal chimney tops. 539,984, Mar. 27; Serial No. 584,306, published Dec. 19, 1950. Class 34.

Williams, Arthur A., doing business under the name and style of Safety First Shoe Company, Holliston, Mass. Boots and shoes. 540,124, Mar. 27; Serial No. 593,199, published Sept. 26, 1950. Class 39.

Willson Products, Inc., Reading, Pa. Ophthalmic protection lenses. 279,911, renewed Feb. 3, 1951. O. G. Mar. 27. Class 26.

Wilson Brothers, Chicago, Ill. Leather gloves. 540,219, Mar. 27; Serial No. 571,675. Class 39.

Windy City Confections & Sales Co., Inc., Chicago, Ill. Candied fruit confection. 540,044, Mar. 27; Serial No. 589,881, published Dec. 5, 1950. Class 46.

Winthrop-Stearns Inc., New York, N. Y. Medicinal preparation. 539,993, Mar. 27; Serial No. 584,784, published Dec. 19, 1950. Class 18.

Wise Potato Chip Co., Berwick, Pa. Potato chips. 540,217, Mar. 27; Serial No. 569,791. Class 46.

Wise Potato Chip Co., Berwick, Pa. Potato chips. 540,249, Mar. 27; Serial No. 569,789. Class 46.

Wix Cooler Company: *See*—
Welks, John E.

Wolverine Fabricating & Mfg. Co., Inc., Inkster, Mich. Sheet packing and gasket material. 539,936, Mar. 27; Serial No. 579,246, published Dec. 12, 1950. Class 35.

Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretchers. 540,195, Mar. 27; Serial No. 600,205, published Dec. 26, 1950. Class 24.

Wullschleger & Co., New York, N. Y. Fabrics in the piece. 539,803, Mar. 27; Serial No. 528,392, published Dec. 12, 1950. Class 42.

Wynne, Eleanor, doing business under the assumed name of Ellen Grey, New York, N. Y. Canned soups. 539,881, Mar. 27; Serial No. 563,648, published Dec. 19, 1950.

Yankee Enterprises Associates: *See*—
Whitelaw, Aubrey H.

Yardney Electric Corporation, New York, N. Y. Electric storage batteries. 540,240, Mar. 27; Serial No. 590,963. Class 21.

Zappettini, Wm., Co., San Francisco, Calif. Cut flowers. 540,221, Mar. 27; Serial No. 574,073. Class 1.

Zenith Industrial Research Co., Long Beach, Calif. Paste preparation for the control of ants. 539,971, Mar. 27; Serial No. 583,225, published Jan. 2, 1951. Class 6.

Zimmerman Associates, Guilford College, N. C. Textile chemical specialty. 539,987, Mar. 27; Serial No. 584,562, published Dec. 26, 1950 Class 6.

Zwirn, Charles W.: *See*—
Televisor Corp.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks. E. W. Garrison. 539,927, Mar. 27; Serial No. 577,880, published Jan. 2, 1951.

Batting and filler material. Master Pad Corporation. 540,081, Mar. 27; Serial No. 591,745, published Dec. 26, 1950.

Casein. American Cyanamid Company. 539,913, Mar. 27; Serial No. 577,024, published Jan. 2, 1951.

Charcoal. Harvey M. Hinderer Company. 540,224, Mar. 27; Serial No. 579,414.

Coal. Bell & Zoller Coal Company. 540,057, Mar. 27; Serial No. 590,415, published Jan. 6, 1950.

Flowers, Cut. Wm. Zappettini Co. 540,221, Mar. 27; Serial No. 574,073.

Leather, Chrome and vegetable. Endicott Johnson Corporation. 540,060, Mar. 27; Serial No. 590,549, published Nov. 21, 1950.

Leather, Upper. Armour and Company. 539,834, Mar. 27; Serial No. 543,076, published Jan. 2, 1951.

Limestone, Ground or pulverized. Limestone Products Corporation of America. 540,097, Mar. 27; Serial No. 592,273, published Dec. 26, 1950.

Material made from scraps of real leather. Societa Invenzioni Brevetti Anonima-Torino. 269,054, renewed Mar. 25, 1950. O. G. Mar. 27.

Pelts, Leather and wool. A. C. Lawrence Leather Company. 539,870, Mar. 27; Serial No. 559,305, published Jan. 2, 1951.

Plastic bristles. Modglin Company, Inc. 540,050, Mar. 27; Serial No. 590,278, published Nov. 14, 1950.

Plastic in sheet form, Light-polarizing organic. Polaroid Corporation. 540,179, Mar. 27; Serial No. 597,162, published Nov. 28, 1950. (Consolidated certificate Classes 1 and 26.)

Plastic in sheet form, Light polarizing organic. Polaroid Corporation. 540,180, Mar. 27; Serial No. 597,163, published Nov. 28, 1950. (Consolidated certificate, Classes 1 and 26.)

Raw materials, Ground. W. K. Skeoch. 539,865, Mar. 27; Serial No. 556,607, published Jan. 2, 1951.

Rubber compositions, Uncured, vulcanizable. Lee Rubber and Tire Corporation. 539,877, Mar. 27; Serial No. 562,561, published Jan. 2, 1951.

Rubber-resin sheet material, Hard thermoplastic. United States Rubber Company. 539,903, Mar. 27; Serial No. 577,827, published Jan. 2, 1951.

Seed wheat, seed oats, and seed soybeans. Mitchell Farms. 540,019, Mar. 27; Serial No. 587,600, published Jan. 2, 1951.

Seeds, Flower. A. S. Siter & Son. 540,002, Mar. 27; Serial No. 585,867, published Jan. 2, 1951.

CLASS 3

Pocket-books, purses, and empty vanities, Ladies'. Halberstadt & Co. Inc. 274,258, renewed Aug. 26, 1950. O. G. Mar. 27.

CLASS 4

Abrasive compounds, Lens grinding and polishing. Bausch & Lomb Optical Company. 540,034, Mar. 27; Serial No. 588,732, published Jan. 2, 1951.

Polish, Furniture, furniture cream polish, liquid polishing wax, etc. The Fuller Brush Company. 539,836, Mar. 27; Serial No. 543,434, published Dec. 19, 1950.

CLASS 5

Glue. Swift & Company. 539,996, Mar. 27; Serial No. 585,146, published Dec. 5, 1950.

CLASS 6

Beer clarifier. A. Gusmer, Inc. 539,900, Mar. 27; Serial No. 574,965, published Jan. 2, 1951.

Cellulose-based powder. Transmares Products Co., Inc. 539,937, Mar. 27; Serial No. 579,573, published Jan. 2, 1951.

Chemical preparations. American Chemical Paint Company. 540,038, Mar. 27; Serial No. 589,301, published Jan. 2, 1951.

Chemical specialty, Textile. Zimmerman Associates. 539,987, Mar. 27; Serial No. 584,562, published Dec. 26, 1950.

Disinfectant. Thompson-Hayward Chemical Company. 539,919, Mar. 27; Serial No. 572,536, published Jan. 2, 1951.

Extract for use in insecticides, Concentrated. McLaughlin Gormley King Company. 283,837, renewed June 9, 1951. O. G. Mar. 27.

Heat treating compounds. D. A. Stuart Oil Co., Limited. 539,813, Mar. 27; Serial No. 534,683, published Dec 19, 1950.

Herbicides. The Pennsylvania Salt Manufacturing Company. 539,950, Mar. 27; Serial No. 580,617, published Jan. 2, 1951.

Insecticides. Research Products Company. 539,985, Mar. 27; Serial No. 584,466, published Dec. 26, 1950.

Laundry compound. Cal Products Company. 539,926, Mar. 27; Serial No. 573,352, published Jan. 2, 1951.

Liquid deodorant for household and industrial use. Hysan Products Company. 539,982, Mar. 27; Serial No. 584,231, published Dec. 26, 1950.

Moth-proofing compound. The Davison Chemical Corporation. 539,991, Mar. 27; Serial No. 584,714, published Dec. 26, 1950.

Paste preparation for the control of ants. Zenith Industrial Research Co. 539,971, Mar. 27; Serial No. 583,225, published Jan. 2, 1951.

Petroleum fuel gas, Liquefied. Farmers' Butane-Propane Service. 539,981, Mar. 27; Serial No. 584,227, published Dec. 26, 1950.

Photographic processing chemicals. Eastman Kodak Company. 540,000, Mar. 27; Serial No. 585,639, published Jan. 2, 1951.

Silicate liquids, Organic. Hodges Research and Development Company. 540,123, Mar. 27; Serial No. 593,119, published Jan. 2, 1951.

Sodium sesquicarbonate. Food Machinery and Chemical Corporation. 539,998, Mar. 27; Serial No. 585,275, published Jan. 2, 1951.

Starch, Laundry. National Starch Company. 81,902, re-renewed May 16, 1951. O. G. Mar. 27.

Starches and dextrins for sizing purposes. Corn Products Refining Company. 281,026, renewed Mar. 10, 1951. O. G. Mar. 27.

Sulfated fatty oils, sulfated fatty acids, fatty amides, etc. Nopco Chemical Company. 539,973, Mar. 27; Serial No. 583,490, published Dec. 26, 1950.

Textile water-proofing agents. G. H. Parkwan. 539,974, Mar. 27; Serial No. 583,492, published Dec. 26, 1950.

CLASS 7

Cord and rope. Rocky Mount Cord Company. 540,201, Mar. 27; Serial No. 602,164, published Dec. 26, 1950.

Tying material, Ribbon-like. Chicago Printed String Company. 530,421, Sept. 5, 1950. Corrected. O. G. Mar. 27.

CLASS 8

Ashtrays. E. San Giovanni. 539,898, Mar. 27; Serial No. 573,900, published Dec. 12, 1950.

Cigarette case and lighter, Combination. Illinois Watch Case Co. 540,089, Mar. 27; Serial No. 591,929, published Dec. 5, 1950.

Cigarette case and lighter, Combination. Illinois Watch Case Co. 540,133, Mar. 27; Serial No. 593,799, published Dec. 19, 1950.

Kits containing fluid, flints, wicks, etc. E. A. Gallegos. 540,132, Mar. 27; Serial No. 593,794, published Dec. 19, 1950.

Lighters, Cigar and cigarette. The Fisher Silversmiths, Inc. 540,235, Mar. 27; Serial No. 589,019.

Lighters, Electric cigarette. Vico Electric Company. 540,126, Mar. 27; Serial No. 593,308, published Dec. 19, 1950.

Pipes, Smokers', cigar and cigarette holders. Kauffmann Bros. & Bondy, Inc. 540,104, Mar. 27; Serial No. 592,498, published Dec. 19, 1950.

Pipes, Smokers', cigar and cigarette holders. The Reiss-Premier Corporation. 540,157, Mar. 27; Serial No. 595,036, published Dec. 19, 1950.

CLASS 11

Colors for inks, Dry. The Grasselli Chemical Company. 279,257, renewed Jan. 13, 1951. O. G. Mar. 27.

CLASS 12

Certain articles used in building construction. W. A. Pingles, Inc. 285,669, Aug. 4, 1931. Republished Mar. 27.

Materials for plastic and mastic floor coverings, etc. Selby, Battersby & Company. 275,252, renewed Sept. 16, 1950. O. G. Mar. 27.

CLASS 13

Chains, Key. Aristocrat Leather Products, Inc. 539,989, Mar. 27; Serial No. 584,602, published Sept. 5, 1950.

Fountains, Automatic poultry water. Miller Manufacturing, Inc. 540,098, Mar. 27; Serial No. 592,275, published Jan. 2, 1951.

Hinges, butts, sash-lifts, door-hinges, etc. Van Camp Hardware & Iron Company. 81,836, re-renewed May 9, 1951. O. G. Mar. 27.

Metal flat band strapping. General Strapping Corporation. 540,144, Mar. 27; Serial No. 594,317, published Jan. 2, 1951.

Metal strapping. C. Tennant Sons & Co. of New York. 540,084, Mar. 27; Serial No. 591,812, published Jan. 2, 1951.

Nail-like fasteners. The Lexington Supply Co. 540,159, Mar. 27; Serial No. 595,324, published Jan. 2, 1951.

Plumbing fixtures, Vitreous china. Alamo Pottery, Inc. 539,874, Mar. 27; Serial No. 560,837, published Jan. 2, 1951.

Seats, Toilet. C. F. Church Manufacturing Co. 540,160, Mar. 27; Serial No. 595,359, published Jan. 2, 1951.

Strip-steel strapping. The Stanley Works. 280,121, renewed Feb. 10, 1951. O. G. Mar. 27.

Utensils, Aluminum and the like cooking, and kitchen ware. Aluminum Specialty Company. 539,814, Mar. 27; Serial No. 535,113, published Jan. 2, 1951.

Wire-screen cloth. Reynolds Wire Co. 539,829, Mar. 27; Serial No. 542,223, published Jan. 2, 1951.

CLASS 14

Aluminum foil sheets. Universal Utility Co. 539,953, Mar. 27; Serial No. 581,104, published Dec. 12, 1950.

Copper base alloy. Eutectic Welding Alloys Corporation. 540,080, Mar. 27; Serial No. 591,723, published Dec. 5, 1950.

Lead. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne. 540,007, Mar. 27; Serial No. 586,658, published Nov. 14, 1950.

Metal castings, Ferrous. Pacific Car and Foundry Company. 540,183, Mar. 27; Serial No. 597,289, published Nov. 28, 1950.

Metal foil. M. Swift & Sons, Inc. 539,988, Mar. 27; Serial No. 584,598, published Dec. 5, 1950.

Metal sheets, Structurally reinforced ferrous and non-ferrous, and laminated ferrous and non-ferrous metal sheets. Rigidized Metals Corporation. 539,906, Mar. 27; Serial No. 573,790, published Dec. 5, 1950.

Metal tubular structural members and tube blanks, Drawn and cold rolled. See Fabriks Aktieboiag. 539,929, Mar. 27; Serial No. 577,993, published Nov. 7, 1950.

Metals. Stulz-Sickles Company. 539,939, Mar. 27; Serial No. 579,845, published Dec. 5, 1950.

Metals and alloys, Non-ferrous. Continental Smelting & Refining Co. 540,053, Mar. 27; Serial No. 590,354, published Nov. 7, 1950.

Metals, Ultra smoothly surfaced rolled and drawn. American Silver Company, Inc. 540,229, Mar. 27; Serial No. 585,503.
Metals, White, zinc-base alloys, anti-friction metal, etc. American Smelting and Refining Company. 539,928, Mar. 27; Serial No. 577,926, published Dec. 5, 1950.
Nickel-chromium alloy welding wire. The International Nickel Company, Inc. 539,949, Mar. 27; Serial No. 580,600, published Dec. 5, 1950.
Solder. Kester Solder Company. 539,899, Mar. 27; Serial No. 574,842, published Dec. 5, 1950.
Steel and iron. Solar Steel Corporation. 540,061, Mar. 27; Serial No. 590,623, published Dec. 5, 1950.
Steel, Tool. The Pennsylvania Steel Corp. 540,093–4, Mar. 27; Serial Nos. 592,049–50, published Dec. 5, 1950.
Zinc, Electrolytic raw. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne. 540,008, Mar. 27; Serial No. 586,659, published Nov. 14, 1950.
Zinc, Thermic raw. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne. 540,006, Mar. 27; Serial No. 586,657, published Nov. 14, 1950.

CLASS 15

Chemical additive to lubricating oil. The Shaler Company. 539,839, Mar. 27; Serial No. 543,843, published Dec. 19, 1950.
Fuel oil addition, Liquid. Consolidated Engineers Company, Inc. 540,110, Mar. 27; Serial No. 592,612, published Dec. 12, 1950.
Gasoline and lubricating oil. The Crystal Flash Petroleum Corporation. 539,795, Mar. 27; Serial No. 511,732, published Jan. 2, 1951.
Gasoline, kerosene, motor fuel, etc. Kendall Oil Company, Inc. 540,063, Mar. 27; Serial No. 590,664, published Dec. 5, 1950.
Gasoline, kerosene, petroleum distillate, etc. Richfield Oil Corporation. 540,134, Mar. 27; Serial No. 593,887, published Jan. 2, 1951.
Grease, Lubricating. Battenfeld Grease & Oil Corp. 540,225, Mar. 27; Serial No. 582,465.
Grease, Lubricating. Standard Oil Company of New Jersey. 367,419, May 16, 1939. Amended. O. G. Mar. 27.
Greases, Lubricating, and lubricating oils. E. F. Houghton & Co. 539,816, Mar. 27; Serial No. 536,396, published Dec. 5, 1950.
Greases, Valve lubricating. Rockwell Manufacturing Company. 540,013, Mar. 27; Serial No. 587,088, published Dec. 12, 1950.
Lubrication soap, Bottle chain. Fischer Industries, Inc. 539,884, Mar. 27; Serial No. 585,255, published Jan. 2, 1951.
Metallic soap compositions. Metasap Chemical Company. 540,001, Mar. 27; Serial No. 585,657, published Dec. 5, 1950.
Oils and greases, Organic silicate. Hodges Research and Development Company. 540,111, Mar. 27; Serial No. 592,630, published Dec. 12, 1950.
Oils, Lubricating. Canfield Oil Company. 539,933, Mar. 27; Serial No. 578,764, published Dec. 19, 1950.

CLASS 16

Colors for paints, Dry. The Grasselli Chemical Company. 279,273, renewed Jan. 13, 1951. O. G. Mar. 27.
Paints. Hurlox Manufacturing Co. Inc. 284,184, renewed June 16, 1951. O. G. Mar. 27.
Paints, Ready-mixed. Everseal Manufacturing Co., Inc. 540,222, Mar. 27; Serial No. 575,340.
Paints, Ready-mixed, paint enamels, paint stipple wall finish, etc. Con-Ferro Paint & Varnish Company. 283,627, renewed June 2, 1951. O. G. Mar. 27.

CLASS 17

Cigars. I. Lewis Cigar Manufacturing Company. 540,210, Mar. 27; Serial No. 543,498.
Cigars. Webb's City, Inc. 539,866, Mar. 27; Serial No. 557,405, published Dec. 19, 1950.
Tobacco, Raw, smoking and chewing tobacco, etc. Alfred Dunhill, Limited. 539,892, Mar. 27; Serial No. 568,357, published Dec. 19, 1950.
Tobacco, Smoking, cigars, and cigarettes. Handelsvennootschap onder de firma Smit & ten Hove. 539,932, Mar. 27; Serial No. 578,689, published Dec. 5, 1950.

CLASS 18

Alterative compound for the relief of the discomforts of muscular aches and pains. McNeil Drug Company. 360,526, Sept. 20, 1938. Republished Mar. 27.
Analgesic tablet. Plough, Inc. 540,200, Mar. 27; Serial No. 601,374, published Jan. 9, 1951.
Antibacterial preparation. Sharp & Dohme, Incorporated. 540,052, Mar. 27; Serial No. 590,329, published Nov. 28, 1950.
Antiseptic. Dog Pad Company. 540,233, Mar. 27; Serial No. 586,049.
Laxative mints and pills. C. E. Shiffer. 317,165, Sept. 18, 1934. Republished Mar. 27.
Liniment. McNeil Drug Company. 359,242, Aug. 9, 1938. Republished Mar. 27.
Medicated shields or pads, Adhesive. The Scholl Mfg. Co., Inc. 278,423, renewed Dec. 16, 1950. O. G. Mar. 27.
Medicinal preparation. Hoffmann-La Roche Inc. 540,115, Mar. 27; Serial No. 592,813, published Jan. 2, 1951.
Medicinal preparation. Eli Lilly and Company. 540,043, Mar. 27; Serial No. 589,859, published Nov. 28, 1950.
Medicinal preparation. Winthrop-Stearns Inc. 539,993, Mar. 27; Serial No. 584,784, published Dec. 19, 1950.
Medicinal preparations. G. S. Stoddard & Co., Inc. 539,911, Mar. 27; Serial No. 576,239, published Jan. 2, 1951.
Ointment. Davies, Rose & Company, Limited. 282,361, renewed Apr. 21, 1951. O. G. Mar. 27.
Ointment. J. T. Navarette. 539,980, Mar. 27; Serial No. 584,202, published Nov. 28, 1950.
Penicillin in oil, Procaine. Schenley Laboratories, Inc. 539,912, Mar. 27; Serial No. 576,475, published May 2, 1950.
Penicillin salts, Mixture of. Chas. Pfizer & Co., Inc. 539,959, Mar. 27; Serial No. 581,351, published Oct. 25, 1949.
Pharmaceutical preparation. Nutrition Research Laboratories. 539,975, Mar. 27; Serial No. 583,705, published Jan. 2, 1951.
Pills. McNeil Drug Company. 359,272, Aug. 9, 1938. Republished Mar. 27.
Preparation for the treatment of dog mange. House of Huston, Inc. 540,078, Mar. 27; Serial No. 591,621, published Dec. 19, 1950.
Sedative, Nerve, febrifuge, laxative, etc. Cheif Chemical Company. 275,230, renewed Sept. 16, 1950. O. G. Mar. 27.
Tablet containing medicinal preparations, Sugar-coated. Schering Corporation. 540,029, Mar. 27; Serial No. 588,232, published Jan. 2, 1951.
Tablets containing vitamin B-12. Walker Vitamin Products, Inc. 540,149, Mar. 27; Serial No. 594,601, published Jan. 2, 1951.
Vaccines, Trivalent. American Cyanamid Company. 540,146, Mar. 27; Serial No. 594,430, published Jan. 2, 1951.

CLASS 19

Accessories and parts for automotive vehicles, brake lever extensions, etc. Joma Mfg. Co., Inc. 539,890, Mar. 27; Serial No. 567,979, published Dec. 19, 1950.
Airplane parts. Piper Aircraft Corporation. 540,056, Mar. 27; Serial No. 590,386, published Dec. 26, 1950.
Airplanes. Boeing Airplane Company. 540,049, Mar. 27; Serial No. 590,216, published Dec. 12, 1950.
Airplanes. Consolidated Vultee Aircraft Corporation. 539,811, Mar. 27; Serial No. 533,666, published Dec. 26, 1950.
Automobile floor covers and running board covers, cab curtains, etc. The Lehon Company. 444,451, Mar. 27; Serial No. 520,730, published Dec. 26, 1950.
Automobile front end suspension replacement parts. Hershey Metal Products, Incorporated. 540,103, Mar. 27; Serial No. 592,492, published Dec. 19, 1950.
Automobile seat covers. Protection Products Co. 539,793, Mar. 27; Serial No. 507,420, published Nov. 14, 1950.
Bicycles. Arnold Schwinn & Co. 540,077, Mar. 27; Serial No. 591,547, published Dec. 12, 1950.
Bicycles and structural parts thereof. The Huffman Manufacturing Company. 540,150, Mar. 27; Serial No. 594,642, published Dec. 12, 1950.
Boat, Collapsible. M. N. Stanley. 540,239, Mar. 27; Serial No. 590,838.
Boats, Outboard motor. Molded Products, Inc. 539,938, Mar. 27; Serial No. 579,645, published Dec. 12, 1950.
Buses. International Harvester Company. 540,154, Mar. 27; Serial No. 594,901, published Dec. 12, 1950.
Cars, Motor. Allard Motor Company, Ltd. 540,234, Mar. 27; Serial No. 587,420.
Carts, Utility. M. Hague. 540,152, Mar. 27; Serial No. 594,772, published Dec. 12, 1950.
Disposal body mounted on truck chassis, Garbage. Pak-Mor Manufacturing Company. 540,243, Mar. 27; Serial No. 593,137.
Knock-down parts for rowboats, kayaks, runabouts, dingeys, etc. F. Stockhausen. 540,155, Mar. 27; Serial No. 595,013, published Dec. 12, 1950.
Mirrors, Rear view. Motomatic Products Company. 539,958, Mar. 27; Serial No. 581,342, published Nov. 14, 1950.
Prismatic refractors. Walburn Equipment Company. 540,065, Mar. 27; Serial No. 590,920, published Dec. 26, 1950.
Seat covers, Automobile. D. C. Larkin. 540,142, Mar. 27; Serial No. 594,173, published Nov. 21, 1950.
Seat covers, Automobile. Lipschultz Bros. 540,141, Mar. 27; Serial No. 594,131, published Nov. 21, 1950.
Set of wheels with brackets therefor. MacArthur Products, Inc. 540,068, Mar. 27; Serial No. 590,985, published Dec. 12, 1950.
Set of wheels with brackets therefor. MacArthur Products, Inc. 540,069, Mar. 27; Serial No. 590,987, published Dec. 12, 1950.
Trailer Venetian blinds. The Custom Shade Shop. 539,908, Mar. 27; Serial No. 574,612, published Nov. 21, 1950.
Trailers, House, trailer coaches, and wheels, etc. Glider Trailer Company. 539,855, Mar. 27; Serial No. 553,194, published Nov. 21, 1950.

Truck and trailer bodies. Gar Wood Industries, Inc. 539,815, Mar. 27; Serial No. 535,948, published Dec. 12, 1950.
Truck tank and trailer tank vehicles. Butler Manufacturing Company. 540,005, Mar. 27; Serial No. 586,341, published Nov. 14, 1950.
Trucks, Aircraft refueling. Columbian Steel Tank Company. 539,888, Mar. 27; Serial No. 566,502, published Dec. 12, 1950.
Trucks and parts thereof, Floor. Lewis-Shepard Products, Inc. 539,837, Mar. 27; Serial No. 543,724, published Dec. 19, 1950.
Vehicle equipment, Railway. Chicago Railway Equipment Company. 539,962, Mar. 27; Serial No. 581,867, published Jan. 2, 1951.
Vehicle framework, Wheeled. Hurst Industries, Inc. 540,218, Mar. 27; Serial No. 571,550.
Visors for the front windshields of vehicles. The Weather Master Company, Incorporated. 540,204, Mar. 27; Serial No. 510,794.
Wheel covers. Lyon, Incorporated. 539,894, Mar. 27; Serial No. 569,164, published Dec. 26, 1950.
Wheel suspensions for automotive vehicles, Independent Ford Motor Company. 539,951, Mar. 27; Serial No. 580,835, published Dec. 19, 1950.

CLASS 21

Air sanitizing apparatus. American Health Air Systems, Incorporated. 540,121, Mar. 27; Serial No. 593,046, published Jan. 2, 1951.
Antennas, Television receiver. Tela-Tena Company. 540,156, Mar. 27; Serial No. 595,016, published Dec. 26, 1950.
Assemblies for electric power transmission. Feedrail Corporation. 539,869, Mar. 27; Serial No. 558,643, published Dec. 26, 1950.
Batteries, Electric storage. Yardney Electric Corporation. 540,240, Mar. 27; Serial No. 590,963.
Batteries, Primary. Thomas A. Edison Incorporated. 540,151, Mar. 27; Serial No. 594,699, published Dec. 26, 1950.
Batteries, Storage, dry cell batteries, automobile electric bulb kits, etc. The Pep Boys—Manny, Moe & Jack. 540,178, Mar. 27; Serial No. 596,940, published Dec. 26, 1950.
Broilers, Electric. Marlun Manufacturing Co., Inc. 540,182, Mar. 27; Serial No. 597,281, published Jan. 2, 1951.
Capacitors, Electric. P. R. Mallory & Co., Inc. 540,164, Mar. 27; Serial No. 595,607, published Dec. 26, 1950.
Component parts of electrical, electronic, and radio apparatus and devices, Various. Cinch Manufacturing Corporation. 539,934–5, Mar. 27; Serial Nos. 578,768–9, published Dec. 5, 1950.
Condensers, Ceramic. Radio Materials Corporation. 540,189, Mar. 27; Serial No. 597,978, published Jan. 2, 1951.
Conductor jacks. Carter Parts Company. 539,946, Mar. 27; Serial No. 580,286, published Dec. 26, 1950.
Control including a switch, Electrically operated. United Conveyor Corporation. 539,902, Mar. 27; Serial No. 577,826, published Dec. 26, 1950.
Disposal units, Electric garbage. Fred L. Roberts Enterprises. 540,191, Mar. 27; Serial No. 598,107, published Jan. 2, 1951.
Earphone and volume control attachments. Skinner & Pelton, Inc. 540,161, Mar. 27; Serial No. 595,421, published Dec. 26, 1950.
Electric blankets. Pepperell Manufacturing Company. 540,188, Mar. 27; Serial No. 597,899, published Jan. 2, 1951.
Electric units. Ionics, Inc. 539,969, Mar. 27; Serial No. 583,089, published Jan. 2, 1951.
Electrical apparatus. Ionics, Inc. 539,970, Mar. 27; Serial No. 583,090, published Jan. 2, 1951.
Electrical friction tape and insulating rubber tape. Graybar Electric Company, Inc. 540,033, Mar. 27; Serial No. 588,643, published Dec. 26, 1950.
Fans, Electric. Propellair, Inc. 281,581, renewed Mar. 24, 1951. O. G. Mar. 27.
Fans, Electric exhaust. The Gallaher Company. 540,173, Mar. 27; Serial No. 596,276, published Jan. 2, 1951.
Fans, Portable electric. The Lennox Furnace Company. 540,246, Mar. 27; Serial No. 602,322.
Grills, Electric portable barbecue. Porta-Cue Corporation. 540,108, Mar. 27; Serial No. 592,578, published Dec. 26, 1950.
Heaters, Portable electric radiant. Sunbeam Corporation. 540,165, Mar. 27; Serial No. 595,690, published Dec. 26, 1950.
Ignition apparatus, electric alarm apparatus, etc. Scintilla Limited. 539,847, Mar. 27; Serial No. 547,666, published Oct. 17, 1950.
Insulated wire, Electric. Chester Cable Corp. 539,964, Mar. 27; Serial No. 582,414, published Dec. 26, 1950.
Lampshades, Fabric. Silk-O-Lite Mfg. Corp. 539,852, Mar. 27; Serial No. 551,482, published Dec. 26, 1950.
Lighting fixtures, Electric, electrically operated heating mechanism. Kent-Moore Organization, Inc. 539,854, Mar. 27; Serial No. 552,987, published Jan. 31, 1950.
Lighting fixtures, Electric. Wilmot Castle Company. 539,957, Mar. 27; Serial No. 581,306, published Jan. 2, 1951.
Magnets, Permanent non-electric. Eriez Manufacturing Co. 540,162, Mar. 27; Serial No. 595,456, published Jan. 2, 1951.
Metallic anodes. Automatic Electric Heater Company. 539,832, Mar. 27; Serial No. 542,510, published Jan. 2, 1951.
Motors, Electric linear. Westinghouse Electric Corporation. 539,862, Mar. 27; Serial No. 555,330 published Jan. 2, 1951.
Plugs, receptacles, and cord connectors, Electrical. Russell & Stoll Company, Inc. 540,112, Mar. 27; Serial No. 592,666, published Jan. 2, 1951.
Receiving sets, Radio and television. Stromberg-Carlson Company. 539,857, Mar. 27; Serial No. 553,424, published Jan. 2, 1951.
Receiving sets, Radio, and television receiving sets, Plymouth Wholesale Dry Goods Corporation. 540,070, Mar. 27; Serial No. 591,046, published Jan. 2, 1951.
Receiving sets, Radio, parts of radio receiving sets, etc. The Midwest Radio and Television Corporation. 540,082, Mar. 27; Serial No. 591,759, published Jan. 2, 1951.
Regulators, Voltage. The Superior Electric Company. 540,187, Mar. 27; Serial No. 597,553, published Dec. 26, 1950.
Relays and relaying systems. Westinghouse Electric Corporation. 539,851, Mar. 27; Serial No. 548,892, published Jan. 2, 1951.
Resistors, Spark plug, spark plugs and parts thereof. Champion Spark Plug Company. 540,137, Mar. 27; Serial No. 594,024, published Jan. 2, 1951.
Sprayers, Hand-manipulable portable unitary electric insecticide, moth sprayers, etc. H. D. Hudson Manufacturing Company. 540,213, Mar. 27; Serial No. 556,197.
Super-heater and water trap, Combination. National Pressure Cooker Company. 540,120, Mar. 27; Serial No. 593,041, published Dec. 26, 1950.
Switches, Electric. Iron Fireman Manufacturing Company. 540,232, Mar. 27; Serial No. 585,590.
Transformers and parts thereof. Allis-Chalmers Manufacturing Company. 540,176, Mar. 27; Serial No. 596,768, published Jan. 2, 1951.
Vacuum cleaners. Electair Company. 539,945, Mar. 27; Serial No. 580,186, published Aug. 1, 1950.
Vaporizers, Electrically heated. H. J. Kohler. 540,118, Mar. 27; Serial No. 592,915, published Jan. 2, 1951.
Wire, Insulated electric. The Whitney Blake Company. 540,186, Mar. 27; Serial No. 597,496, published Dec. 26, 1950.
Wires and cables, Insulated electrical. General Cable Corporation. 539,961, Mar. 27; Serial No. 581,807, published Jan. 2, 1951.

CLASS 22

Bats and rackets. Parker Brothers, Inc. 283,766, renewed June 9, 1951. O. G. Mar. 27.
Game board. F. O. Bowers. 516,759, Oct. 25, 1949. Corrected. O. G. Mar. 27.
Hollow composition and like balls. Parker Brothers, Inc. 283,767, renewed, June 9, 1951. O. G. Mar. 27.
Playing cards. Russell Playing Card Company. 283,904, renewed June 9, 1951. O. G. Mar. 27.
Rattles; farmyard dominoes; pull along trains; etc. Kiddicraft Limited. 443,899, Apr. 11, 1950. Republished Mar. 27.
Toy banks. C. H. Foster. 540,208, Mar. 27; Serial No. 542,304.

CLASS 23

Chisels, knives, saws, etc. General Steel Warehouse Co., Inc. 540,135, Mar. 27; Serial No. 593,980, published Jan. 2, 1951.
Cranes, Lifting. Insley Manufacturing Corporation. 540,175, Mar. 27; Serial No. 596,345, published Jan. 2, 1951.
Cutlery, Stainless steel table. National Silver Company. 540,198, Mar. 27; Serial No. 601,160, published Dec. 12, 1950.
Cutlery, Stainless steel table. National Silver Company. 540,199, Mar. 27; Serial No. 601,162, published Dec. 26, 1950.
Cut-to-size sheets of woven and plastic material and combinations thereof. Holly Molding Devices, Inc. 539,800, Mar. 27; Serial No. 524,465, published Dec. 12, 1950.
Digesters for lignocellulosic material. Paper and Industrial Appliances, Inc. 539,966, Mar. 27; Serial No. 582,852, published Dec. 26, 1950.
Gears, gear blanks. The Formica Insulation Company. 283,654, renewed June 2, 1951. O. G. Mar. 27.
Hose and rakes, Garden, etc. Van Camp Hardware & Iron Company. 81,560, re-renewed Apr. 18, 1951. O. G. Mar. 27.
Hydraulic rams. The Massey-Harris Company. 540,194, Mar. 27; Serial No. 599,713, published Dec. 5, 1950.
Inserts employed in foundry mold apparatus, Resilient wear. Eastern Clay Products, Inc. 539,921, Mar. 27; Serial No. 572,954, published Dec. 12, 1950.
Key cutting machines. Independent Lock Company. 539,882, Mar. 27; Serial No. 564,127, published Jan. 2, 1951.

Knives, and special shop tools. Harley-Davidson Motor Company. 539,805, Mar. 27; Serial No. 531,115, published Jan. 2, 1951.

Knives, and special shop tools. Harley-Davidson Motor Company. 539,806, Mar. 27; Serial No. 531,587, published Jan. 2, 1951.

Knives, Pocket, paring knives, and hunting knives. Imperial Knife Company, Inc. 539,856, Mar. 27; Serial No. 553,280, published Dec. 5, 1950.

Machine for reconditioning bowling pins. The Brunswick-Balke-Collender Company. 539,796, Mar. 27; Serial No. 514,798, published Dec. 26, 1950.

Machinery. Southworth Machine Company. 539,853, Mar. 27; Serial No. 551,745, published Nov. 7, 1950.

Machinery for making and repairing shoes. Landis Machine Company. 539,799, Mar. 27; Serial No. 522,639, published Jan. 2, 1951.

Manually operable apparatus. C. A. Lewis. 539,944, Mar. 27; Serial No. 580,018, published Dec. 19, 1950.

Palettes, Artists'. G. J. Blacher. 540,193, Mar. 27; Serial No. 598,781, published Jan. 2, 1951.

Planes. Stanley Rule & Level Co. 36,465, re-renewed May 21, 1951. O. G. Mar. 27.

Pumps, Motor driven water. N. H. Turkin. 540,147, Mar. 27; Serial No. 594,504, published Dec. 12, 1950.

Replacement and repair parts, and servicing kits and tools. Standard Motor Products, Inc. 540,131, Mar. 27; Serial No. 593,754, published Dec. 12, 1950.

Scissors and shears. The Clayton Manufacturing Company. 539,841, Mar. 27; Serial No. 544,705, published Dec. 26, 1950.

Scrapers, Power drag. Sauerman Bros., Inc. 539,801, Mar. 27; Serial No. 527,156, published Dec. 12, 1950.

Sharpeners, Mechanical razor-blade. Guth, Stern & Co. Inc. 283,374, renewed May 26, 1951. O. G. Mar. 27.

Spoons, Wooden, and wooden forks. The Diamond Match Company. 540,041, Mar. 27; Serial No. 589,645, published Dec. 12, 1950.

Stamp-canceling machines, postage-metering machines, sealing machines, etc. The International Postal Supply Company. 280,987, renewed Mar. 3, 1951. O. G. Mar. 27.

Tenderizing and slicing machines, Meat, and parts thereof and therefor. U. S. Slicing Machine Co., Inc. 539,876, Mar. 27; Serial No. 562,105, published Dec. 12, 1950.

Tools and parts thereof, Machine. Jonas & Colver (Novo) Limited. 539,891, Mar. 27; Serial No. 568,195, published Dec. 5, 1950.

Water supply systems. Hypro Engineering, Inc. 540,058, Mar. 27; Serial No. 590,437, published Dec. 12, 1950.

Wheel dressers. The Sheffield Corporation. 444,448, Mar. 27; Serial No. 504,298, published Dec. 26, 1950.

Wrenches. L. H. Diamond. 539,995, Mar. 27; Serial No. 585,106, published Dec. 12, 1950.

CLASS 24

Clothes dryer. Temco, Inc. 540,196–7, Mar. 27; Serial Nos. 600,358–9, published Dec. 26, 1950.

Laundry equipment. The Dexter Company. 540,167–8, Mar. 27; Serial Nos. 595,767–8, published Jan. 2, 1951.

Laundry presses. The Unipress Company, Incorporated. 540,009, Mar. 27; Serial No. 586,669, published Jan. 2, 1951.

Press plates and pads for pressing clothes. Davis Specialties Incorporated. 540,036, Mar. 27; Serial No. 589,077, published Dec. 26, 1950.

Stands for conveying laundry baskets, Portable. Launder-cart. 540,216, Mar. 27; Serial No. 567,581.

Stretchers, Curtain. Worldsbest Industries, Inc. 540,195, Mar. 27; Serial No. 600,205, published Dec. 26, 1950.

CLASS 25

Lock sets. Schlage Lock Company. 539,861, Mar. 27 Serial No. 555,201, published Dec. 26, 1950.

Locks, Window. D. E. Bunch. 540,215, Mar. 27; Serial No. 562,535.

CLASS 26

Cameras. Ercona Camera Corporation. 540,085, Mar. 27; Serial No. 591,841, published Oct. 31, 1950.

Cameras, Photographic, lenses and camera carrying cases. Kelly Photo Supply. 540,099, Mar. 27; Serial No. 592,325, published Nov. 7, 1950.

Cameras, Photographic motion picture. Eastman Kodak Company. 539,942, Mar. 27; Serial No. 579,972, published June 13, 1950.

Cameras, Photographic, photographic camera shutters, photographic exposure meters, etc. Polaroid Corporation. 540,179, Mar. 27; Serial No. 577,982, published Aug 8, 1950. (Consolidated certificate, Classes 1 and 26.)

Cameras, Photographic, photographic camera shutters, photographic exposure meters, etc. Polaroid Corporation. 540,180, Mar. 27; Serial No. 577,983, published Aug 8, 1950. (Consolidated certificate, Classes 1 and 26.)

Computors, Mechanical. Compass Point Aviation, Inc. 539,883, Mar. 27; Serial No. 564,503, published Sept. 12, 1950.

Electrical and geophysical apparatus. William M. Barret, Inc. 540,075, Mar. 27; Serial No. 591,398, published Nov. 7, 1950.

Gauges and comparators and parts thereof, Internal and external dimension. The Dow Mechanical Corporation. 540,212, Mar. 27; Serial No. 555,387.

Glasses, Sun, eyeglasses, spectacles, etc. Comptone Company, Ltd. 540,074, Mar. 27; Serial No. 591,357, published Oct. 31, 1950.

Indicators, Deflation. Tire-Larm Company. 540,223, Mar. 27; Serial No. 575,610.

Lenses, Ophthalmic protection. Willson Products, Inc. 279,911, renewed Feb. 3, 1951. O. G. Mar. 27.

Lenses, Optical, spectacles, eye glasses, etc. Televizor Corp. 539,915, Mar. 27; Serial No. 570,592, published Oct. 3, 1950.

Printing apparatus, Contact. F. G. Ludwig Associates. 540,064, Mar. 27; Serial No. 590,667, published Oct. 17, 1950.

Rules. The Stanley Works. 281,768, renewed Mar. 31, 1951. O. G. Mar. 27.

Rules, Computing. Coleman Instruments, Inc. 540,116, Mar. 27; Serial No. 592,880, published Nov. 7, 1950.

Scales, Weighing. Hydroway Scales, Inc. 540,054, Mar. 27; Serial No. 590,368, published Oct. 17, 1950.

Scales, Weighing, weighing-machines, weighing apparatus, etc. Toledo Scale Company. 141,301, renewed Jan. 5, 1948. O. G. Mar. 27.

Testing apparatus, Radio and television. J. J. McCarthy. 329,220, Oct. 22, 1935. New certificate. O. G. Mar. 27.

Weighing machines, Automatic. Olofsson Tool & Die Company. 540,066, Mar. 27; Serial No. 590,941, published Oct. 17, 1950.

CLASS 27

Watches. Cronow Watch Co., Inc. 540,032, Mar. 27; Serial No. 588,561, published Jan. 2, 1951.

Watches. Rubin & Company. 539,978, Mar. 27; Serial No. 584,017, published Jan. 2, 1951.

CLASS 28

Cuff links, shirt studs, and necktie holders. Aristocrat Leather Products, Inc. 539,990, Mar. 27; Serial No. 584,603, published Sept. 5, 1950.

Flatware. International Silver Company. 281,962, renewed Apr. 7, 1951. O. G. Mar. 27.

Jewelry, Diamond-set. D. C. Percival & Co. Inc. 279,115, renewed Jan. 6, 1951. O. G. Mar. 27.

Tie grips and tie holders. Freeman-Daughady Company. 284,059, renewed June 16, 1951. O. G. Mar. 27.

CLASS 29

Brushes and rollers, Paint. The K. J. Miller Corporation. 539,794, Mar. 27; Serial No. 510,188, published Jan. 2, 1951.

CLASS 32

Beds, Sofa. Northome Furniture Industries, Inc. 540,059, Mar. 27; Serial No. 590,515, published Dec. 12, 1950.

Cabinets, Insulated filing. The Shaw-Walker Company. 540,027, Mar. 27; Serial No. 588,050, published Dec. 19, 1950.

Cabinets, Kitchen. Shirley Corporation. 540,122, Mar. 27; Serial No. 593,087, published Dec. 26, 1950.

Chairs and benches. American Seating Company. 444,449, Mar. 27; Serial No. 508,640, published Oct. 18, 1949.

Chairs, tables and settees. Herbert Ritts, Inc. 539,923, Mar. 27; Serial No. 573,142, published Dec. 19, 1950.

Chairs, tables and settees. Herbert Ritts, Inc. 539,924, Mar. 27; Serial No. 573,143, published Dec. 12, 1950.

Chairs, tables and settees. Herbert Ritts, Inc. 539,925, Mar. 27; Serial No. 573,144, published Dec. 19, 1950.

Cushion units, Spring. Comfort Spring Corporation. 540,062, Mar. 27; Serial No. 590,647, published Dec. 19, 1950.

Furniture, Extension. Saginaw Furniture Shops, Inc. 540,136, Mar. 27; Serial No. 594,000, published Dec. 26, 1950.

Furniture, Living room, dining room furniture; bedroom furniture. Drexel Furniture Company. 540,072, Mar. 27; Serial No. 591,074, published Dec. 12, 1950.

Mattresses. The Land-O-Nod Company. 539,810, Mar. 27; Serial No. 533,452, published Dec. 26, 1950.

Mattresses. H. Mantefur. 273,072, renewed July 22, 1950. O. G. Mar. 27.

Mattresses. Nod-A-Way, Inc. 539,943, Mar. 27; Serial No. 579,992, published Dec. 26, 1950.

Mattresses. The Ohio Mattress Company. 540,086, Mar. 27; Serial No. 591,860, published Dec. 26, 1950.

Mattresses. The Vincent-McCall Company. 540,145, Mar. 27; Serial No. 594,343, published Dec. 26, 1950.

Mattresses and box springs. A. J. Logan Company. 540,017, Mar. 27; Serial No. 587,556, published Sept. 5, 1950.

Mattresses and box springs. Sealy, Incorporated. 539,895, Mar. 27; Serial No. 570,125, published May 16, 1950.

Mattresses and studio couches. D. Abelson. 540,067, Mar. 27; Serial No. 590,966, published Dec. 26, 1950.

Mattresses, springs, pillows, etc. Sure Rest Bedding Co. 371,802, Oct. 10, 1939. Amended. O. G. Mar. 27.

Play pens, Children's. New England Playpen Company. 539,999, Mar. 27; Serial No. 585,345, published Dec. 19, 1950.

Racks, Tie. C. L. King. 539,879, Mar. 27; Serial No. 562,938, published Dec. 19, 1950.

Spring constructions for upholstered furniture, Inner. Nachman Corporation. 540,230, Mar. 27; Serial No. 533,810.

Table and housing therefor, Combined folding. Kansas City Products Company. 539,917, Mar. 27; Serial No. 572,307, published Nov. 28, 1950.

Table and ironing board, Combination dinette. Grand Manufacturing Company. 540,037, Mar. 27; Serial No. 589,087, published Dec. 19, 1950.

Table, Baby dining-play. Dunson Industries, Inc. 540,206, Mar. 27; Serial No. 532,575.

Table leaves. Lincoln Industries, Inc. 540,048, Mar. 27; Serial No. 590,091, published Dec. 19, 1950.

Tables, Extension. Namor Products, Inc. 540,148, Mar. 27; Serial No. 594,566, published Dec. 26, 1950.

Tables, Refectory, coffee tables, lamp tables, etc. Hampton Furniture Shops. 539,850, Mar. 27; Serial No. 548,256, published Dec. 12, 1950.

CLASS 34

Air conditioning and heating or cooling units, Combined; heating devices. B. Altman & Co. 539,896, Mar. 27; Serial No. 570,173, published Dec. 5, 1950.

Apparatus for extracting moisture from air. B. G. Peters. 539,864, Mar. 27; Serial No. 556,364, published Dec. 19, 1950.

Boiler breechings; unit air heaters, etc. The Alpha Tank & Sheet Metal Mfg. Co. 283,209, renewed May 19, 1951. O. G. Mar. 27.

Burners, Oil. Eureka Williams Corporation. 539,941, Mar. 27; Serial No. 579,958, published Dec. 26, 1950.

Candlesticks, candelabras, and candle snuffers. William Adams Limited. 539,909, Mar. 27; Serial No. 575,107, published Dec. 26, 1950.

Chimney tops, Metal. Wigwam Flue Top Company. 539,984, Mar. 27; Serial No. 584,306, published Dec. 19, 1950.

Dehumidifying units for removing moisture from air. Carrier Corporation. 539,873, Mar. 27; Serial No. 560,603, published Dec. 19, 1950.

Apparatus for extracting moisture from air. The Schape Manufacturing Company. 539,859, Mar. 27; Serial No. 554,818, published Dec. 26, 1950.

Engine coolers or heat exchange units, Marine. J. E. Weiks. 539,818, Mar. 27; Serial No. 538,479, published Dec. 26, 1950.

Fans, Ventilation and exhaust. W. F. Schaefer. 540,101, Mar. 27; Serial No. 592,389, published Dec. 26, 1950.

Fireplace screens. Logan Co. 540,004, Mar. 27; Serial No. 585,947, published Dec. 19, 1950.

Fryers, Continuous and automatic deep fat food, and pretzel cookers, and attachments therefor. Macbeth Engineering Corporation. 539,878, Mar. 27; Serial No. 562,865, published Dec. 26, 1950.

Furnaces, Hot air, and heating stoves. Orbon Stove Co. 540,076, Mar. 27; Serial No. 591,509, published Dec. 26, 1950.

Heaters, Gas-fired house. Norman Products Company. 539,848, Mar. 27; Serial No. 547,757, published Dec. 19, 1950.

Heating apparatus. Warren Webster & Company. 444,452, Mar. 27; Serial No. 525,723, published Dec. 26, 1950.

Heating apparatus, Steam. C. A. Dunham Company. 539,802, Mar. 27; Serial No. 528,265, published Dec. 12, 1950.

Stokers, Anthracite, anthracite stoker-boiler units, and parts thereof. Keystone Manufacturing Company. 540,117, Mar. 27; Serial No. 592,912, published Dec. 26, 1950.

Stoves and ranges, Gas. Hardwick Stove Company, Incorporated. 540,153, Mar. 27; Serial No. 594,837, published Dec. 26, 1950.

Stoves, Gas. Hirsh Manufacturing Co. 539,887, Mar. 27; Serial No. 566,230, published Oct. 31, 1950.

Torches, Gasolene-operated, blowpipes and heaters, etc. The Turner Brass Works. 81,312, re-renewed Mar. 21, 1951. O. G. Mar. 27.

CLASS 35

Belting. J. E. Rhoads & Sons. 539,967, Mar. 27; Serial No. 583,050, published Dec. 12, 1950.

Belts, Linen, cotton, and other fabric endless. Endless Belt Corporation. 539,920, Mar. 27; Serial No. 572,618, published Dec. 12, 1950.

Drill pipe protectors. Bettie Rubber Company. 539,808, Mar. 27; Serial No. 532,203, published Dec. 12, 1950.

Gasket or sealing material. Crotty Corporation. 540,172, Mar. 27; Serial No. 596,270, published Dec. 19, 1950.

Hose. United States Rubber Company. 539,940, Mar. 27; Serial No. 579,953, published Dec. 12, 1950.

Hose made of rubber or fabric, or a combination thereof. Wabash Manufacturing Company. 539,976, Mar. 27; Serial No. 583,721, published Dec. 19, 1950.

Hose, Radiator, and V type belts. The Dayton Rubber Company. 540,138, Mar. 27; Serial No. 594,104, published Nov. 14, 1950.

Packing in plastic form. Durametallic Corporation. 539,931, Mar. 27; Serial No. 578,576, published Dec. 12, 1950.

Piston rings. Cords Piston Ring Manufacturing Co, Inc. 539,972, Mar. 27; Serial No. 583,466, published Dec. 12, 1950.

Piston rings. Hastings Manufacturing Company. 539,880, Mar. 27; Serial No. 563,477, published Dec. 12, 1950.

Sheet packing and gasket material. Wolverine Fabricating & Mfg. Co., Inc. 539,936, Mar. 27; Serial No. 579,246, published Dec. 12, 1950.

Tires and tubes, therefor, Vehicle. The Pep Boys—Manny, Moe & Jack. 540,177, Mar. 27; Serial No. 596,939, published Dec. 12, 1950.

Tires, Automobile. The S and M Company. 539,918, Mar. 27; Serial No. 572,454, published Nov. 28, 1950.

Tires, Tractor. Sears, Roebuck and Co. 539,960, Mar. 27; Serial No. 581,361, published Dec. 12, 1950.

Tubing, Flexible. Chicago Tubing & Braiding Co. 49,516, Feb. 6, 1906. Republished Mar. 27.

CLASS 36

Pianos. Ivers & Pond Piano Company. 540,220, Mar. 27; Serial No. 572,036.

CLASS 37

Envelopes, Mailing. Tension Envelope Corporation. 539,886, Mar. 27; Serial No. 566,194, published Sept. 5, 1950.

Fountain-pens. L. E. Waterman Company. 35,849, re-renewed Feb. 5, 1951. O. G. Mar. 27.

Paper, Writing. Montag Brothers, Inc. 539,798, Mar. 27; Serial No. 519,683, published Nov. 14, 1950.

Paper, Writing and printing. Chemical Paper Manufacturing Company. 539,812, Mar. 27; Serial No. 533,995, published Nov. 14, 1950.

Papers, Text and cover. Curtis Paper Company. 540,209, Mar. 27; Serial No. 542,818.

Tissues, Cleansing. Lehn & Fink Products Corporation. 539,868, Mar. 27; Serial No. 558,147, published Nov. 28, 1950.

CLASS 38

Bulletin. American Water Works Association, Inc. 540,035, Mar. 27; Serial No. 588,847, published Dec. 19, 1950.

Cards, Gift and shower printed greeting. Earl & Arlington. 540,046, Mar. 27; Serial No. 590,014, published Dec. 19, 1950.

Cards, Greeting. Buzza-Cardozo. 540,143, Mar. 27; Serial No. 594,194, published Dec. 26, 1950.

Cards, Greeting. Messenger Corporation. 540,114, Mar. 27; Serial No. 592,715, published Dec. 12, 1950.

Cards, Greeting, printed greeting folders, printed seals, etc. Norcross, Inc. 540,079, Mar. 27; Serial No. 591,695, published Dec. 12, 1950.

Cards, Greeting, printed greeting folders, printed seals, etc. Norcross, Inc. 540,092, Mar. 27; Serial No. 592,001, published Dec. 12, 1950.

Cartoons appearing in newspaper publications. General Features Corporation. 540,083, Mar. 27; Serial No. 591,778, published Dec. 26, 1950.

Comic strip. New York Herald Tribune Inc. 540,119, Mar. 27; Serial No. 592,925, published Dec. 12, 1950.

Comic strip. New York Herald Tribune Inc. 540,125, Mar. 27; Serial No. 593,283, published Dec. 26, 1950.

Drawings, Comic. NEA Service, Inc. 444,450, Mar. 27; Serial No. 509,361, published Nov. 7, 1950.

House organ. American Chemical Paint Company. 539,893, Mar. 27; Serial No. 568,703, published Nov. 14, 1950.

Magazine. Coast-To-Coast Publishing Co., Inc. 382,401, Oct. 29, 1940. Republished Mar. 27.

Magazine. Dell Publishing Company, Inc. 540,226–7, Mar. 27; Serial Nos. 582,677–8.

Magazine. The Parents' Institute, Inc. 540,051, Mar. 27; Serial No. 590,321, published Dec. 12, 1950.

Maps. R. R. von Siegl. 540,047, Mar. 27; Serial No 590,042, published Dec. 19, 1950.

Newspaper column. B. L. Britton. 540,106, Mar. 27; Serial No. 592,543, published Dec. 26, 1950.

Periodical. Society of Industrial Packaging and Materials Handling Engineers. 540,241, Mar. 27; Serial No. 591,888.

Publication. Caro Book Company. 540,040, Mar. 27; Serial No. 589,637, published Dec. 19, 1950.

Publication, Periodical. Kappa Beta Pi Legal Sorority. 540,140, Mar. 27; Serial No. 594,128, published Dec. 26, 1950.

Publication, Periodical. Wayne Knitting Mills. 540,091, Mar. 27; Serial No. 591,971, published Dec. 12, 1950.

Publications, Periodical. Fraternity of Phi Gamma Delta. 540,113, Mar. 27; Serial No. 592,679, published Dec. 12, 1950.

Publications, Periodical. General Aniline & Film Corporation. 540,139, Mar. 27; Serial No. 594,117, published Dec. 26, 1950.

Publications, Periodical. Pillar of Fire. 540,105, Mar. 27; Serial No. 592,515, published Dec. 12, 1950.

Section of a periodical publication. Skyline Publications, Inc. 540,031, Mar. 27; Serial No. 588,531, published Dec. 19, 1950.

CLASS 39

Apparel, Protective. The Olympic Glove Company, Inc. 540,107, Mar. 27; Serial No. 592,575, published Dec. 26, 1950.

Belts, Garment. Sterling Belt Co., Inc. 540,022, Mar. 27; Serial No. 587,764, published Dec. 26, 1950.
Boots and shoes. A. A. Williams. 540,124, Mar. 27; Serial No. 593,199, published Sept. 26, 1950.
Brassières. True Form Corset Company, Inc. 540,174, Mar. 27; Serial No. 596,309, published Jan. 2, 1951.
Brassières, corsets, and foundation garments. Surprise Brassiere Co., Inc. 540,242, Mar. 27; Serial No. 592,288.
Bungalow aprons, dresses, petticoats, etc., Women's. The Duquesne Manufacturing Company. 540,010–11, Mar. 27; Serial Nos. 586,795–6, published Dec. 26, 1950.
Caps, Military. Desmond's. 444,308, Nov. 14, 1950. Republished Mar. 27.
Clothing, Children's, junior girls', misses', and women's. A. H. Harding. 540,163, Mar. 27; Serial No. 595,601, published Jan. 2, 1951.
Clothing, Men's. Eagle Clothes. 277,809–10, renewed Nov. 25, 1950. O. G. Mar. 27.
Clothing, Women's and children's. Berker Sportcraft Limited. 539,916, Mar. 27; Serial No. 570,763, published Dec. 26, 1950.
Coats and suits, Ladies'. Brand and Puritz. 539,844, Mar. 27; Serial No. 545,227, published Dec. 19, 1950.
Coats and suits, Women's. I. M. Roffer Sons Company, Inc. 540,025, Mar. 27; Serial No. 587,972, published Dec. 26, 1950.
Coats, Children's. Donovan Enterprises, Incorporated. 540,020, Mar. 27; Serial No. 587,626, published Dec. 12, 1950.
Coats for women and young women. New York Girl Coat Co., Inc. 540,181, Mar. 27; Serial No. 597,222, published Dec. 26, 1950.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 281,109, renewed Mar. 10, 1951. O. G. Mar. 27.
Corsets, brassières, corset-covers, and girdles. W. B. Foundations, Incorporated. 540,166, Mar. 27; Serial No. 595,749, published Dec. 12, 1950.
Dresses, Children's. O. L. Cooper. 540,045, Mar. 27; Serial No. 589,891, published Dec. 26, 1950.
Dresses, Children's. Sam Landorf & Co., Inc. 540,100, Mar. 27; Serial No. 592,326, published Dec. 26, 1950.
Dresses, Ladies', misses', and children's. Ely & Walker Dry Goods Company. 539,992, Mar. 27; Serial No. 584,721, published Jan. 2, 1951.
Dresses, suits, and coats, Ladies' and misses'. Penny Mason, Inc. 539,947, Mar. 27; Serial No. 580,493, published Jan. 2, 1951.
Garments, Denim. Smith Brothers Manufacturing Co. 540,109, Mar. 27; Serial No. 592,580, published Dec. 26, 1950.
Gloves, Glovecraft, Inc. 540,018, Mar. 27; Serial No. 587,724, published Dec. 26, 1950.
Gloves, Leather. Wilson Brothers. 540,219, Mar. 27; Serial No. 571,675.
Handkerchiefs. Davis & Catterall. 540,024, Mar. 27; Serial No. 587,939, published Dec. 26, 1950.
Hats and apparel, Ladies'. Ogus, Rubinovich & Ogus, Inc. 539,910, Mar. 27; Serial No. 575,923, published Dec. 12, 1950.
Heels and soles for boots and shoes. The Goodyear Tire & Rubber Company. 540,169, Mar. 27; Serial No. 595,892, published Dec. 26, 1950.
Heels for boots and shoes. The Goodyear Tire & Rubber Company. 540,170, Mar. 27; Serial No. 595,893, published Dec. 26, 1950.
Hose, Men's. Industrial Hosiery Mills, Inc. 539,845 Mar. 27; Serial No. 545,853, published Jan. 2, 1951.
Hosiery for women. Grey Hosiery Mills. 539,821, Mar. 27; Serial No. 539,050, published Jan. 2, 1951.
Hosiery for women. Grey Hosiery Mills. 539,867, Mar. 27; Serial No. 558,138, published Jan. 2, 1951.
Hosiery, Ladies'. G. P. Victorson. 540,127, Mar. 27; Serial No. 593,380, published Dec. 26, 1950.
Hosiery, Women's. Fabergé, Inc. 540,128–9, Mar. 27; Serial No. 593,474–5, published Jan. 2, 1951.
Hosiery, Women's. Fabergé, Inc. 540,130, Mar. 27; Serial No. 593,590, published Jan. 2, 1951.
Hosiery, Women's. Karl's Shoe Stores, Ltd. 540,055, Mar. 27; Serial No. 590,370, published Dec. 26, 1950.
Jackets, Men's and boys'. Amco Athletic Apparel Corp. 540,087–8, Mar. 27; Serial Nos. 591,902–3, published Dec. 26, 1950.
Jackets, Men's, boys', and ladies'. The Shirtcraft Company, Inc. 540,096, Mar. 27; Serial No. 592,231, published Dec. 26, 1950.
Knitted wear. Regal Knitwear Company, Inc. 539,838, Mar. 27; Serial No. 543,836, published Dec. 26, 1950.
Linings, Removable. C. B. Shane Corporation. 540,026, Mar. 27; Serial No. 587,977, published Dec. 12, 1950.
Overcoats, Men's. Hickey-Freeman Company. 539,819, Mar. 27; Serial No. 538,920, published Dec. 26, 1950.
Overcoats, topcoats, suits, etc., Men's and boys'. Eagle Clothes. 377,600, May 7, 1940. Republished Mar. 27.
Pajamas, Infants' and children's. A. E. Sauter. 305,554, Aug. 22, 1933. Republished Mar. 27.
Shoes, boots and sandals. "Semperit" Österreichisch-Amerikanische Gummiwerke Aktiengesellschaft. 539,904, Mar. 27; Serial No. 573,506, published Oct. 10, 1950.
Shoes, Boys'. Sommer & Kaufmann. 539,994, Mar. 27; Serial No. 585,032, published Dec. 26, 1950.
Shoes, Ladies' evening, and bridal shoes. Middletown Footwear, Inc. 540,185, Mar. 27; Serial No. 597,347, published Jan. 2, 1951.
Shoes, Men's and boys'. H. H. Brown Shoe Co., Inc. 540,171, Mar. 27; Serial No. 596,258, published Dec. 26, 1950.
Shoes, Men's leather and combined leather and rubber. Sommer & Kaufmann. 540,028, Mar. 27; Serial No. 588,112, published Jan. 2, 1951.
Shoes, Misses', girls', boys', men's, women's and children's. The A. S. Kreider & Son Co. 539,963, Mar. 27; Serial No. 582,358, published Dec. 27, 1950.
Slippers and casuals, Women's. Gustinettes, Incorporated. 540,102, Mar. 27; Serial No. 592,488, published Dec. 26, 1950.
Socks, Knitted. The Adler Company. 444,453, Mar. 27; Serial No. 525,757, published May 17, 1949.
Soles. The Lima Cord Sole and Heel Company. 277,675, renewed Nov. 25, 1950. O. G. Mar. 27.
Soles and heels for boots and shoes. The Bearfoot Sole Company, Inc. 540,158, Mar. 27; Serial No. 595,241, published Dec. 26, 1950.
Soles, Shoe. The Cambridge Rubber Company. 539,948, Mar. 27; Serial No. 580,574, published Dec. 26, 1950.
Sportswear. H & L Block. 539,835, Mar. 27; Serial No. 543,414, published Dec. 12, 1950.
Sportswear, Women's. I. C. Isaacs & Co., Inc. 540,184, Mar. 27; Serial No. 597,336, published Dec. 26, 1950.
Stockings and socks. Corgi Hosiery Limited. 540,014, Mar. 27; Serial No. 587,179, published Dec. 26, 1950.
Suits, Children's Indian, children's cowboy suits, children's cowboy vests, etc. Keyston Bros. 539,843, Mar. 27; Serial No. 544,875, published Sept. 5, 1950.
Suits, Men's. Hickey-Freeman Company. 539,820, Mar. 27; Serial No. 538,923, published Dec. 26, 1950.
Suits, sport coats, topcoats, and overcoats, Men's. B. Altman & Co. 540,023, Mar. 27; Serial No. 587,929, published Dec. 12, 1950.
Suits, topcoats, overcoats, etc., Men's. Wm. P. Goldman & Bros., Inc. 540,012, Mar. 27; Serial No. 586,919, published Dec. 12, 1950.
Suspenders and garters. Hickok Manufacturing Co. Inc 540,003, Mar. 27; Serial No. 585,937, published Dec. 12, 1950.
Suspenders, garters, arm bands, etc. The Ohio Textile Products Co. 540,095, Mar. 27; Serial No. 592,158, published Dec. 12, 1950.
Sweaters, Ladies', misses', juniors', children's and infants', and infants' and children's knitted pantie suits. Spur Knitting Mills Inc. 539,905, Mar. 27; Serial No. 573,576, published May 30, 1950.
Underwear, lingerie, and sleeping garments for women and misses. Vanity Fair Mills, Inc. 540,214, Mar. 27; Serial No. 558,828.
Underwear, Men's, boys', ladies' and girls'. H. Levi & Co. 540,237, Mar. 27; Serial No. 590,165.
Wearing apparel, Articles of. C. & A. Brenninkmeyer, Inc. 539,955–6, Mar. 27; Serial Nos. 581,244–5, published Dec. 26, 1950.

CLASS 40

Toilet-combs. J. G. Higgins. 81,003, re-renewed Feb. 21, 1951. O. G. Mar. 27.

CLASS 42

Blankets. Beacon Manufacturing Company. 539,875, Mar. 27; Serial No. 561,798, published Dec. 12, 1950.
Curtains, fabric bath mats, and furniture scarfs. Arkwright Merchandising Corporation. 539,930, Mar. 27; Serial No. 578,478, published Dec. 19, 1950.
Curtains, Window. Cameo Curtains Inc. 539,954, Mar. 27; Serial No. 581,172, published Dec. 12, 1950.
Fabric, Textile. Norwich Knitting Company. 539,901, Mar. 27; Serial No. 577,444, published Dec. 26, 1950.
Fabrics in the piece. Wullschleger & Co. 539,803, Mar. 27; Serial No. 528,392, published Dec. 12, 1950.
Piece goods. Goodall-Sanford, Inc. 539,977, Mar. 27; Serial No. 583,754, published Dec. 26, 1950.
Piece goods, Cotton. Dan River Mills, Incorporated. 540,190, Mar. 27; Serial No. 598,006, published Dec. 12, 1950.
Piece goods, Textile. Ely & Walker Dry Goods Company. 539,830, Mar. 27; Serial No. 542,298, published Dec. 12, 1950.
Rugs and carpets, Textile. Hugh Nelson-Columbia Carpet Mills, Inc. 539,965, Mar. 27; Serial No. 582,645, published Dec. 26, 1950.
Rugs and runners, Textile. Amsterdam Textiles, Inc. 539,840, Mar. 27; Serial No. 544,138, published Mar. 28, 1950.
Rugs, Cotton. Lawrence Products Company, Inc. 540,238, Mar. 27; Serial No. 590,229.
Rugs, Cotton. Lawrence Products Company, Inc. 540,244, Mar. 27; Serial No. 593,924.
Sateen. Bourne Mills. 540,192, Mar. 27; Serial No. 598,233, published Dec. 12, 1950.
Textile goods. Pi Beta Phi. 281,322, renewed Mar. 17, 1951. O. G. Mar. 27.
Textiles. Knight, B. B. & R., Corporation. 279,708, renewed Jan. 20, 1951. O. G. Mar. 27.

Towels, Cloth. Chicago Towel Company. 539,849, Mar. 27; Serial No. 548,138, published Dec. 12, 1950.

CLASS 44

Generators for therapeutic purposes, Electromagnetic-field. College of Electronic Medicine. 438,695, May 11, 1948. Corrected. O. G. Mar. 27.
Instrument or appliance for surgical or hospital use. A. M. Bickford & Sons Limited. 540,039, Mar. 27; Serial No. 589,419, published Jan. 2, 1951.
Metal wire for dental purposes, Gold and platinum. J. F. Jelenko & Co., Inc. 540,021, Mar. 27; Serial No. 587,730, published Jan. 2, 1951.
Orthopedic appliances. N. J. Hall. 539,952, Mar. 27; Serial No. 580,838, published Jan. 2, 1951.
Orthopedic insoles, arch supports, and corn and bunion pads. E-Z Walk Corporation. 539,997, Mar. 27; Serial No. 585,221, published Jan. 2, 1951.
Protein fibre for use in wrapping around hair ends for protection during permanent waving, Combed and topped artificial. Virginia-Carolina Chemical Corporation. 539,983, Mar. 27; Serial No. 584,303, published Jan. 2, 1951.

CLASS 46

Apple butter, barley, bean sprouts, etc. Roundy, Peckham & Dexter Co. 539,804, Mar. 27; Serial No. 529,089, published Mar. 15, 1949.
Biscuits. Sunshine Biscuits, Inc. 539,833, Mar. 27; Serial No. 542,798, published Oct. 3, 1950.
Candies. C. A. Carl. 540,030, Mar. 27; Serial No. 588,478, published Dec. 5, 1950.
Candied fruit confection. Windy City Confections & Sales Co., Inc. 540,044, Mar. 27; Serial No. 589,881, published Dec. 5, 1950.
Candy. De Witt P. Henry Co., Inc. 204,052, Oct. 6, 1925. Republished Mar. 27.
Candy. Metropolis Candy Co., Inc. 540,073, Mar. 27; Serial No. 591,098, published Nov. 21, 1950.
Canned fruits. Hemet Packing Company. 539,860, Mar. 27; Serial No. 554,976, published Dec. 19, 1950.
Canned fruits. Kaual Pineapple Company, Ltd. 275,562, renewed Sept. 23, 1950. O. G. Mar. 27.
Canned fruits. Kings County Packing Co. 169,305, June 12, 1923. Republished Mar. 27.
Canned mackerel. South Pacific Canning Company. 539,922, Mar. 27; Serial No. 573,102, published Dec. 19, 1950.
Canned soups. E. Wynne. 539,881, Mar. 27; Serial No. 563,648, published Dec. 19, 1950.
Canned vegetables. Phillips Sales Company, Inc. 283,647, renewed June 2, 1951. O. G. Mar. 27.
Canned vegetables, fruits and fish. A. H. Forat. 539,897, Mar. 27; Serial No. 570,362, published Nov. 21, 1950.
Celery, lettuce, cauliflower, etc., Fresh. D. Vitulli & Company. 540,207, Mar. 27; Serial No. 542,060.
Chocolate and cocoa butter. A. M. Stollwerck, Inc. 534,825, Dec. 12, 1950. Corrected. O. G. Mar. 27.
Coffee. Atwood Coffee Company. 539,846, Mar. 27; Serial No. 546,166, published Dec. 5, 1950.
Coffee. George J. Howe Company, Inc. 444,447, Mar. 27; Serial No. 503,293, published Dec. 19, 1950.
Coffee, coffee and chicory, etc. James H. Forbes Tea and Coffee Company. 539,831, Mar. 27; Serial No. 542,459, published Nov. 14, 1950.
Coffee, tea, bread, etc. Horn & Hardart Baking Company. 539,828, Mar. 27; Serial No. 541,841, published Oct. 3, 1950.
Coffee, tea, cocoa, and spices. G. V. Foltz. 272,936, renewed July 15, 1950. O. G. Mar. 27.
Condiment in the form of a sauce. Kraft Foods Company. 540,015, Mar. 27; Serial No. 587,195, published Dec. 5, 1950.
Cookies, Baked. Sally Ann Cookies. 539,968, Mar. 27; Serial No. 583,053, published Dec. 19, 1950.
Edible starch. National Starch Company. 82,102, renewed May 30, 1951. O. G. Mar. 27.
Eggs, Fresh. Armour and Company. 539,807, Mar. 27; Serial No. 532,194, published Jan. 2, 1951.
Feeds, Poultry. Haynes Milling Co., Inc. 540,228, Mar. 27; Serial No. 584,863.
Fish. New England Fish Company. 275,373, renewed Sept. 23, 1950. O. G. Mar. 27.
Fish, Frozen. Sebasco Fishermen's Association. 540,205, Mar. 27; Serial No. 531,379.
Flour, Wheat. The Colorado Milling & Elevator Co. 539,858, Mar. 27; Serial No. 554,299, published Oct. 31, 1950.
Food, Dog. Dixie Mills Company. 540,236, Mar. 27; Serial No. 589,957.
Food product. House of Herbs, Inc. 386,087, Mar. 25, 1941. Republished Mar. 27.
Fruits, Dried. Vagim Packing Co. 540,247, Mar. 27; Serial No. 567,608.
Fruits, Fresh citrus. Fallbrook Citrus Association. 539,863, Mar. 27; Serial No. 555,807, published Nov. 14, 1950.
Fruits, Fresh citrus. The Irvine Citrus Association. 539,823, Mar. 27; Serial No. 540,419, published Nov. 28, 1950.
Fruits, Fresh deciduous. H. S. Mudd. 539,809, Mar. 27; Serial No. 532,248, published Dec. 5, 1950.
Fruits, Fresh deciduous. Western Fruit & Produce Co., Inc. 539,979, Mar. 27; Serial No. 584,178, published Nov. 14, 1950.
Grapes, Fresh, and fresh lettuce. Emery & Kavanagh Co., 222,933, Jan. 11, 1927. Republished Mar. 27.
Honey, Extracted. W. F. Straub & Company. 540,231, Mar. 27; Serial No. 537,633.
Lard and cottonseed oil. Armour and Company. 539,827, Mar. 27; Serial No. 540,962, published Jan. 2, 1951.
Marshmallow topping and fudge topping, etc. Chillo Products Co. 539,885, Mar. 27; Serial No. 565,541, published Oct. 3, 1950.
Mayonnaise, salad dressing, and jellies. American Stores Company. 540,042, Mar. 27; Serial No. 589,701, published Nov. 14, 1950.
Milk, Powdered whole, powdered ice cream mix and whole milk powder. Maple Island Farm, Inc. 539,914, Mar. 27; Serial No. 577,397, published Oct. 24, 1950.
Oat meal, corn meal and wheat flour. The Quaker Oats Company. 539,986, Mar. 27; Serial No. 584,509, published Oct. 24, 1950.
Oleomargarine. John F. Jelke Company. 279,642, renewed Jan. 20, 1951. O. G. Mar. 27.
Oleomargarine, noodles, fruit preserves, etc. Wesson Oil & Snowdrift Co., Inc. 539,817, Mar. 27; Serial No. 538,331, published Oct. 3, 1950.
Onions, Dried. Sunspiced Vegetables, Inc. 539,872, Mar. 27; Serial No. 560,364, published Dec. 19, 1950.
Pie filling, doughnut and pastry fillings, fondant for icing, etc. Frederick W. Huber, Inc. 539,822, Mar. 27; Serial No. 539,057, published Dec. 19, 1950.
Potato chips. Wise Potato Chip Co. 540,217, Mar. 27; Serial No. 569,791.
Potato chips. Wise Potato Chip Co. 540,249, Mar. 27; Serial No. 569,789.
Potato wafers. Schuler Potato Chip Co., Inc. 540,071, Mar. 27; Serial No. 591,051, published Nov. 21, 1950.
Potatoes. J. L. Dufour. 540,245, Mar. 27; Serial No. 594,832.
Raisins. Vagim Packing Co. 540,248, Mar. 27; Serial No. 567,609.
Rice, Milled. Walton Rice Mill, Inc. 539,907, Mar. 27; Serial No. 574,556, published Oct. 3, 1950.
Salt, Mulkey Salt Company. 539,825, Mar. 27; Serial No. 540,700, published Jan. 2, 1951.
Salt, Ruggles & Rademaker Salt Company. 539,826, Mar. 27; Serial No. 540,718, published Nov. 21, 1950.
Sandwiches and condiment sauce. Triple "XXX" Company. 283,959, renewed June 9, 1951. O. G. Mar. 27.
Semolina. Pillsbury Mills, Inc. 540,211, Mar. 27; Serial No. 546,026.
Shortening, Oil. Globe Grain & Milling Co. 277,878, renewed Dec. 2, 1950. O. G. Mar. 27.
Teas, blended coffee, and spices. Bleecker & Simons. 80,168, re-renewed Nov. 15, 1950. O. G. Mar. 27.
Vegetables and melons, Fresh. L. T. Malone. 540,016, Mar. 27; Serial No. 587,339, published Dec. 19, 1950.
Vegetables, Fresh. Plant City Vegetable Cooperative. 540,090, Mar. 27; Serial No. 591,951, published Dec. 12, 1950.
Vinegar. Central City Pickle Co. 539,797, Mar. 27; Serial No. 515,861, published Dec. 12, 1950.

CLASS 49

Alcoholic cordials. Manuel Marin & Co. 322,711, Mar. 19, 1935. Republished Mar. 27.
Whiskey. Buffalo Springs Distilling Company, Incorporated. 310,491, Feb. 27, 1934. Republished Mar. 27.
Whiskey. Corning Distilling Co. 226,735, Apr. 19, 1927. Republished Mar. 27.
Whiskey. The Geo. T. Stagg Company. 318,362, Oct. 23, 1934. Republished Mar. 27.

CLASS 51

Cologne and perfume. A. N. Romanoff. 539,824, Mar. 27; Serial No. 540,455, published Jan. 2, 1951.
Face cream. Colgate-Palmolive-Peet Company. 283,780, renewed June 9, 1951. O. G. Mar. 27.
Hair tonic, peroxide of hydrogen, cold cream, etc. S. Hagler. 280,714, renewed Feb. 24, 1951. O. G. Mar. 27.
Oxide of zinc, alum, ammonia, etc. The Styron-Beggs Company. 281,062, renewed Mar. 10, 1951. O. G. Mar. 27.
Preparation for removing dandruff, hair oil, hair tonics, etc. V. Brog. 539,871, Mar. 27; Serial No. 539,804, published Dec. 26, 1950.
Scalp preparation, Hair tonic, Skin Tested Drug Products, Inc. 539,889, Mar. 27; Serial No. 567,805, published Jan. 2, 1951.
Talc powder. Colgate-Palmolive-Peet Company. 283,814, renewed June 9, 1951. O. G. Mar. 27.
Toilet cream. The Cook Coffee Company. 539,842, Mar. 27; Serial No. 544,852, published Jan. 3, 1950.

CLASS 52

Alkali for general cleansing purposes. National Milling & Chemical Co., Inc. 283,620–1, renewed June 2, 1951. O. G. Mar. 27.

Cleaning material. Gliss'n Products Co., Inc. 539,792, Mar. 27; Serial No. 493,346, published Apr. 25, 1950.

CLASS 101

Publicizing original songs submitted by amateurs. E. R. French. 540,252, Mar. 27; Serial No. 559,960.
Services preliminary to, or in conjunction with customers' advertising. A. H. Whitelaw. 540,250, Mar. 27; Serial No. 544,236.

CLASS 103

Building construction services, Residential. V. G. Warner. 540,251, Mar. 27; Serial No. 559,076.
Color photography services. M. Lavelle. 540,253, Mar. 27; Serial No. 562,863.

CLASS 105

Airplane transportation and shipping of passengers, property and mail. Braniff Airways, Incorporated. 540,203, Mar. 27; Serial No. 584,940, published Jan. 2, 1951.
Automobile rentals. Hav-A-Kar. 540,202, Mar. 27; Serial No. 547,450, published Jan. 2, 1951.
Transportation service, Passenger and freight steamship. Newtex Steamship Corporation. 540,254, Mar. 27; Serial No. 595,999.

CLASS 106

Laundry and dry cleaning. One Hour Valet, Inc. 508,876, Apr. 19, 1949. (Formerly Class 55.) Corrected. O. G. Mar. 27.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Doerschler, Edgar E., Takoma Park, Md. Walker. Re. 23,348, Mar. 27.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Staple feed mechanism for fastener applying implements. Re. 23,349, Mar. 27.
Walper, Curry O., Kitchener, Ontario, Canada. Anti-splash heel. Re. 23,350, Mar. 27.
Wilson-Jones Company, assignee: *See*—
Marano, Herbert W.

LIST OF DESIGN PATENTEES

Ackerman, Harry, Reinbeck, Iowa. Wire tying tool. 162,607, Mar. 27.
Adler, Samuel E., Chicago, Ill. Radio-television receiver and phonograph cabinet. 162,608, Mar. 27.
Adler, Samuel E., Chicago, Ill. Television cabinet control panel. 162,609, Mar. 27.
Aitken, Roy, Glasgow, Scotland. Chamber pot. 162,610, Mar. 27.
American Hospital Supply Corporation, assignee: *See*—
Blashfield, Floyd A.
Andriessen, Jack, Los Angeles, Calif. Floating soap dish or similar article. 162,611, Mar. 27.
Art Specialty Co., assignee: *See*—
Fiori, Irving.
Austam Manufacturing Corp., assignee: *See*—
Dubsky, Arthur.
Ball, Arthur G., Los Angeles, Calif. Money bank. 162,612, Mar. 27.
Ball, Douglas A., and H. E. Osborn, Fort Worth, Tex. Child's bathroom training unit. 162,613, Mar. 27.
Barr, Kenn H., New York, N. Y. Jacket. 162,614, Mar. 27.
Beckett, Donald E. and W. N., assignors to Beckett-Harcum Company, Wilmington, Ohio. Automatic drill press feed or the like. 162,615, Mar. 27.
Beckett-Harcum Company, assignee: *See*—
Beckett, Donald E. and W. N.
Beckett, William N.: *See*—
Beckett, Donald E. and W. N.
Beckman Instruments, Inc., assignee: *See*—
Petterson, Thorleif H.
Bemis, Kenneth E., Washington, D. C. Sandwich server. 162,616, Mar. 27.
Benivegna, Albert P., Brooklyn, N. Y. Windproof umbrella. 162,617, Mar. 27.
Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 162,618, Mar. 27.
Blashfield, Floyd A., Naperville, assignor to American Hospital Supply Corporation, Evanston, Ill. Portable commode and lavatory. 162,619, Mar. 27.
Bochner, Abe A., Brooklyn, N. Y., and H. Zylberberg, Norristown, Pa. Stocking. 162,620, Mar. 27.
Bochner, Abe A., Brooklyn, N. Y., and H. Zylberberg, Norristown, Pa. Stocking. 162,621, Mar. 27.
Boone, Daniel R., Portland, Oreg. Tricycle. 162,622, Mar. 27.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 162,623, Mar. 27.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 162,624, Mar. 27.
Bullard, Edgar E., Leominster, Mass., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 162,625, Mar. 27.
Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Shelf cushioning mat. 162,626, Mar. 27.
Camiel, Samuel B., New York, assignor to Circulators & Devices Mfg. Corp., Brooklyn, N. Y. Air circulator. 162,627, Mar. 27.
Carlin, Bernard, assignor of one-half to Levingston Shipbuilding Company, Orange, Tex. Toy amphibious motor vehicle. 162,628, Mar. 27.
Circulators & Devices Mfg. Corp., assignee: *See*—
Camiel, Samuel B.
Colombo, Grace J., assignor to Hanes Hosiery, Inc., New York, N. Y. Hosiery display rack or similar article. 162,629, Mar. 27.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Roll-holding camera. 162,630, Mar. 27.
Derby Sealers, Incorporated, assignee: *See*—
Krueger, Alfred P.
Devitt, William J., assignor to Identatray Corporation, New York, N. Y. Serving tray. 162,632, Mar. 27.
Diamond, Louis J., Los Angeles, Calif. Vehicle lamp housing or similar article. 162,631, Mar. 27.
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner casing. 162,633, Mar. 27.
Du Bois, Arthur E., Fort Lauderdale, Fla. Soap holder. 162,634, Mar. 27.
Dubsky, Arthur, New York, N. Y., assignor to Austam Manufacturing Corp. Cigarette lighter. 162,635, Mar. 27.
Du Pont, E. I., de Nemours and Company, assignee: *See*—
Bullard, Edgar E.
Eastman Kodak Company, assignee: *See*—
Crapsey, Arthur H., Jr.
Eljer Co., assignee: *See*—
Muller-Munk, Peter.
Ellis, George L., Lawndale, Calif. Bathroom utility holder. 162,636, Mar. 27.
Ernst, Walter L., Ann Arbor, Mich. Illuminable sign. 162,637, Mar. 27.
Evans Case Co., assignee: *See*—
Reilly, Alfred F.
Faulconer, Loretta M.: *See*—
Yankee, Hazel R., and Faulconer.
Feldman, Herman, Forest Hills, N. Y. Combined coaster and drinking straw holder. 162,638, Mar. 27.
Fiori, Irving, assignor to Art Specialty Co., Chicago, Ill. Adjustable fluorescent lamp. 162,639, Mar. 27.
Flato, Paul E., New York, N. Y. Compact. 162,640, Mar. 27.
Forschner, Edith, New York, N. Y. Lady's shoe. 162,641, Mar. 27.
Forschner, Edith, New York, N. Y. Shoe. 162,642, Mar. 27.
Foster Transformer Company, The, assignee: *See*—
Green, Lawrence O.
Fox, Myron, Culver City, Calif. Towel holder or similar article. 162,643, Mar. 27.
Goodrich, B. F., Company, The, assignee: *See*—
Billingsley, William F.
Graceform-Camilin Corset Co., Inc., assignee: *See*—
Imersheln, Mathias.
Graef, John N., West Bend, assignor to David White Company, Milwaukee, Wis. Projector. 162,644, Mar. 27.
Green, Lawrence O., assignor to The Foster Transformer Company, Cincinnati, Ohio. Electrode holder. 162,645, Mar. 27.
Griffin, Dana G., Fort Worth, Tex. Combined speaker and support therefor. 162,646, Mar. 27.
Grigoleit Company, The, assignee: *See*—
Morgan, Jack.
Hallisey, John C., Chicago, Ill. Portable inhalator cabinet. 162,647, Mar. 27.
Hallward, Michael, Swampscott, Mass., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Kitchen cabinet. 162,648, Mar. 27.
Hallward, Michael, Swampscott, Mass., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Kitchen cabinet. 162,649, Mar. 27.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 162,650, Mar. 27.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 162,651, Mar. 27.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 162,652, Mar. 27.
Hanes Hosiery, Inc., assignee: *See*—
Colombo, Grace J.

Healy, Patrick J., Los Angeles, Calif. Paper roll rack. 162,653, Mar. 27.
Heineke, Henry L., Springfield, Ill. Power lawn mower. 162,654, Mar. 27.
Heydt, Herman P., Minneapolis, Minn. Combined sprayer nozzle and handgrip. 162,655, Mar. 27.
Higier, Ross H., Johnstown, N. Y. Glove. 162,656, Mar. 27.
Higier, Ross H., Johnstown, N. Y. Glove. 162,657, Mar. 27.
Holan, J. H., Corporation, assignee : *See*—
Holan, James H., and Troche.
Holan, James H., Rocky River, and H. J. Troche, Fairview Village, assignors to J. H. Holan Corporation, Cleveland, Ohio. Utility truck body. 162,658, Mar. 27.
Hooks, Frances L., Gadsden, Ala. Cord terminal for Venetian blinds. 162,659, Mar. 27.
Hoover Company, The, assignee : *See*—
Dreyfuss, Henry.
Humphrey, Fred P., Los Angeles, Calif. Fishline sinker. 162,660, Mar. 27.
Identatray Corporation, assignee : *See*—
Devitt, William J.
Imershein, Mathias, assignor to Graceform-Camlin Corset Co., Inc., New York, N. Y. Girdle. 162,661, Mar. 27.
Ippolito, Domenick, Glendale, Calif. Toy pistol. 162,662, Mar. 27.
Ivers-Lee Company, assignee : *See*—
Salfisberg, Leroy L.
Johnson, Nobel V. : *See*—
Wahlber, Paul E., and Johnson.
Kisling, Jacob W., St. Louis County, Mo. Air circulator unit. 162,663, Mar. 27.
Kleeb, Herbert, Kenosha, Wis. Screen stretching implement. 162,664, Mar. 27.
Klein, Dudley M., St. Louis, Mo. Protector for a skate shoe. 162,665, Mar. 27.
Kopald, Herman G., executor : *See*—
Salfisberg, Leroy L.
Kramer, Morris, New York, N. Y. Brooch or similar article. 162,666, Mar. 27.
Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Machine for dispensing strip material. 162,667, Mar. 27.
Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Machine for dispensing strip material. 162,668, Mar. 27.
Lenvy, David D., Brooklyn, N. Y. Glove holding attachment for a handbag or the like. 162,669, Mar. 27.
Levingston Shipbuilding Company, assignee : *See*—
Carlin, Bernard.
Magnus, Finn H., Essex Fells, assignor to Magnus Harmonica Corporation, Newark, N. J. Accordion. 162,670, Mar. 27.
Magnus, Finn H., Essex Fells, assignor to Magnus Harmonica Corporation, Newark, N. J. Harmonica. 162,671, Mar. 27.
Magnus Harmonica Corporation, assignee : *See*—
Magnus, Finn H.
Maiden Form Brassiere Company, Inc., assignee : *See*—
Rosenthal, William.
McBride, Harris, Detroit, Mich. Child's bobsled. 162,672, Mar. 27.
McCarthy, James F., Oaks Corners, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Blocking device for ophthalmic lenses. 162,673, Mar. 27.
McDermott, Fred, Chicago, Ill. Cover for a whip cream dispenser valve. 162,674, Mar. 27.
Mecate, James E. : *See*—
Mecate, Manuel E. and J. E.
Mecate, Manuel E. and J. E., Los Angeles, Calif. Radio case. 162,675, Mar. 27.
Miller Meters, Inc., assignee : *See*—
Teague, James.
Milwaukee Lace Paper Company, assignee : *See*—
Hamilton, Kenneth C.
Morgan, Jack, Chicago, assignor to The Grigoleit Company, Decatur, Ill. Kettle handle. 162,676, Mar. 27.
Morrison, Robert K., Pittsburgh, Pa. Table top. 162,677, Mar. 27.
Muller-Munk, Peter, Pittsburgh, assignor to Eljer Co., Ford City, Pa. Lavatory fitting. 162,678, Mar. 27.
Munnecke, Richard A., Pasadena, Calif. Deodorizer or similar article. 162,679, Mar. 27.
Naxon, Irving, Chicago, Ill. Ozone-producing and germ-killing apparatus cabinet. 162,680, Mar. 27.
Newman, Morris, assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassière or similar article. 162,681, Mar. 27.
Newman, Morris, assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassière or similar article. 162,682, Mar. 27.
Oishi, Perry T. : *See*—
Ono, Frank M., and Oishi.
Ono, Frank M., and P. T. Oishi, assignors to P. M. Parrett, Dayton, Ohio. Melon plugger knife. 162,683, Mar. 27.
Oppenheimer, Siegfried L., New York, N. Y. Narrow fabric or the like. 162,684, Mar. 27.
Osborn, Herbert E. : *See*—
Ball, Douglas A., and Osborn.
Parrett, Pearl M., assignee : *See*—
Ono, Frank M., and Oishi.
Pellicone, Rudolph, San Jose, Calif. Game board. 162,685, Mar. 27.
Petterson, Thorleif H., Pasadena, Calif., assignor to Beckman Instruments, Inc. Control knob. 162,686, Mar. 27.
Rapoport, Theodore H., Summit, Ill. Board game. 162,687, Mar. 27.
Reilly, Alfred F., assignor to Evans Case Co., North Attleboro, Mass. Combined lighter and cigarette urn. 162,688, Mar. 27.
Root, John J., New York, N. Y. Electrical transformer. 162,689, Mar. 27.
Rosenthal, Fred S., Chicago, Ill. Spray nozzle. 162,690, Mar. 27.
Rosenthal, William, Bayville, N. Y., assignor to Maiden Form Brassiere Company, Inc. Brassière. 162,691, Mar. 27.
Rosenthal, William, Bayville, N. Y., assignor to Maiden Form Brassiere Company, Inc. Brassière. 162,692, Mar. 27.
St. Louis, Rudolph A., Boston, Mass. Play swing or similar article. 162,693, Mar. 27.
Salfisberg, Leroy L., deceased, South Orange, N. J. ; H. G. Kopald and L. I. Volckening, executors of said L. L. Salfisberg, assignors to Ivers-Lee Company, Newark, N. J. Cross crimp-sealed package. 162,694, Mar. 27.
Shuron Optical Company, Inc., assignee : *See*—
McCarthy, James F.
Snedaker, Frank C., & Co., Inc., assignee : *See*—
Hallward, Michael.
Soden, Jeanne C. M., Ute Park, N. Mex. Casket. 162,695, Mar. 27.
Stauffer, George C., Altoona, Pa. Fish lure. 162,696, Mar. 27.
Stevens, Clifford B., Milwaukee, assignor to Webster Electric Company, Racine, Wis. Phonograph tone arm or the like. 162,697, Mar. 27.
Surprise Brassiere Co., Inc., assignee : *See*—
Newman, Morris.
Teague, James, assignor to Miller Meters, Inc., Chicago, Ill. Parking meter casing. 162,698, Mar. 27.
Thornton, Harold H., New York, N. Y. Combined casing, mirror, and lipstick. 162,699, Mar. 27.
Troche, Herman J. : *See*—
Holan, James H., and Troche.
Volckening, Lloyd I., executor : *See*—
Salfisberg, Leroy L.
Wahlberg, Paul E., and N. V. Johnson, Pomona, Calif. Game board. 162,700, Mar. 27.
Webster Electric Company, assignee : *See*—
Stevens, Clifford B.
White, David, Company, assignee : *See*—
Graef, John S.
Wooster Rubber Company, The, assignee : *See*—
Caldwell, James R.
Yankee, Hazel R., and L. M. Faulconer, Independence, Mo. Decorative plate or similar article. 162,701, Mar. 27.
Yett, Samuel L., Barre, Vt. Attachment for garment hanger. 162,702, Mar. 27.
Zenith Radio Corporation, assignee : *See*—
Budlong, Robert D.
Zylberberg, Herszel : *See*—
Bochner, Abe A., and Zylberberg.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. Ablstrom Osakeyhteo, Karhula Bruk, assignee : *See*—
Qvefiander, Thor G.
A/S Grindstedvaerket, assignee : *See*—
Herlöw, Anders.
Abarr, Garfield, Napa, Calif. Self-closing tube. 2,546,709, Mar. 27.
Abbott, James C., Darien, Ga. Apparatus for shelling shrimp. 2,546,414, Mar. 27.
Abel, Jack, Flushing, assignor to D. P. Harris Hdw. & Mfg. Co., Inc., New York, N. Y. Detachable spur for roller skates. 2,546,622, Mar. 27.
Abler, Julius, Los Angeles, Calif., assignor of one-half to A. Engelman, Chicago Ill. Drawstring bag manufacture. 2,546,623, Mar. 27.
Acme Shear Company, The, assignee : *See*—
Wheeler, Henry C.
Actiengesellschaft Joh. Jacob Rieter & Cie. assignee : *See*—
Naegeli, Werner.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,546,580, Mar. 27.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,546,581, Mar. 27.
Adams, Cecil E., and E. H. Born, assignors to The Denison Engineering Company, Columbus, Ohio. Fluid motor control mechanism. 2,546,679, Mar. 27.
Adams, John R., Jr. : *See*—
Salvin, Victor S., and Adams.
Adams, Robert S., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Permeable materials and making same. 2,546,624, Mar. 27.
Adams, William J., assignee : *See*—
Bataille, Gerald S.
Adduci, Raymond V., assignor to The United States Time Corporation, Waterbury, Conn. Alarm clock. 2,546,289, Mar. 27.
Agriculture, United States of America as represented by the Secretary of, assignee : *See*—
Loughborough, William K., McMillen, and Espenas.
Aktiengesellschaft Brown, Boveri & Cie, assignee : *See*—
Wideröe, Rolf.
Alcock, John F., North Lancing, assignor to Power Jets (Research and Development) Limited, London, England. Circumferentially arranged temperature device in jet pipe of combustion turbine. 2,546,415, Mar. 27.
Aldridge, Seth E., San Diego, Calif. Breaker plate assembly for distributors. 2,546,710, Mar. 27.
Alexander, William M. : *See*—
Lee, John W., Martin, and Alexander.
Allegheny Ludlum Steel Corporation, assignee : *See*—
Sheridan, Claude M., and Pruger.
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid distributing valve mechanism. 2,546,844, Mar. 27.
Allied Chemical & Dye Corporation, assignee : *See*—
Joris, George G.
Alter, Winfield S., and H. N. Bancroft, Tulsa, Okla. Golf bag jacket. 2,546,416, Mar. 27.
Altgelt, Herman E., assignor to Deere & Company, Moline, Ill. Fluid-pressure follow-up control system. 2,546,880, Mar. 27.
Amendt, Charles G., Lancaster, Ohio. Scooter. 2,546,711, Mar. 27.
American Brake Shoe Company, assignee : *See*—
Dalrymple, William P.
American Can Company, assignee : *See*—
Eckman, George E.
American Car and Foundry Company, assignee : *See*—
Kuhler, Otto A., and Burnett.
American Cyanamid Company, assignee : *See*—
Lento, Louis L., Jr., and Jayne.
Wohnsiedler, Henry P., and Sloatman.
Wooding, William M.
American Machine & Foundry Company, assignee : *See*—
Jurgensen, Delbert E., Jr., and Hungerford.
American Steel and Wire Company of New Jersey, The, assignee : *See*—
Harris, Arch W.
American Telephone and Telegraph Company, assignee : *See*—
Desnoes, Arnold B.
American Viscose Corporation, assignee : *See*—
Bauer, Ernest K.
Garden, Henry B., and McDermott.
Anaconda Copper Mining Company, assignee : *See*—
Graham, Thomas K.
Anderson, Fred A., Richmond Hill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tool for use in replacing insulators in switch banks. 2,546,810, Mar. 27.
Anderson, George W., Port Washington, N. Y. Knock-down furniture. 2,546,811, Mar. 27.
Anderson, George W., Port Washington, N. Y. Knock-down table furniture. 2,546,812, Mar. 27.
Anderson, Roy W., St. Joseph, Mich. Wall structure. 2,546,290, Mar. 27.
Anderson, Warren A., West Brighton, N. Y., assignor to Radio Corporation of America. Signal shaping amplifier. 2,546,813, Mar. 27.
Andres, Lloyd J., assignor to Automatic Instrument Company, Chicago, Ill. Selective record player. 2,546,845, Mar. 27.
Anglin, William E., Dallas, Tex. Refrigerating apparatus for beverage coolers. 2,546,417, Mar. 27.
Arabian, Karekin G., El Cerrito, and A. A. Schaerer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Carnauba wax substitute. 2,546,328, Mar. 27.
Ardron, Gerald L., Chicago, Ill., M. L. Dodge, and C. J. Chebuhar, Seattle, Wash., assignors to Continental Can Company, Inc., New York, N. Y. Striping machine and striping filled containers. 2,546,418, Mar. 27.
Arehart, David D., assignor to Palace Corporation, Flint, Mich. Trailer hitch. 2,546,206, Mar. 27.
Armour and Company, assignee : *See*—
Harrington, Bertie S.
Potts, Ralph H.
Armston, W. H., Company, Inc., assignee : *See*—
Rowe, Elbert E.
Arvin Industries, Inc., assignee : *See*—
Booth, Earl C.
Ashley, Harry K., San Leandro, Calif. Rack for publications. 2,546,419, Mar. 27.
Ashton, Richard A., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Automatic loading mechanism for continuously rotated chucks. 2,546,684, Mar. 27.
Ashton, Richard A., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Safety device for rotated shafts. 2,546,685, Mar. 27.
Aston, Robert J., Pittsburgh, Pa. Pinless curtain stretcher. 2,546,249, Mar. 27.
Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Motor-driven tool. 2,546,846, Mar. 27.
Augustadt, Herbert W., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating apparatus. 2,546,814, Mar. 27.
Automatic Electric Laboratories, Inc., assignee : *See*—
Lomax, Clarence E.
Marble, Clarence, and Ruckdeschel.
Automatic Instrument Company, assignee : *See*—
Andres, Lloyd J.
Automatic Temperature Control Co., Inc., assignee : *See*—
Macgeorge, William D.
Avco Manufacturing Corporation, assignee : *See*—
Vutz, Wilhelm.
Avery, Harold T., Oakland, Calif. Control system for rotating wing aircraft. 2,546,881, Mar. 27.
Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Sprag type synchronizer device. 2,546,712, Mar. 27.
B. V. C. Electronics Developments Limited, assignee : *See*—
Briggs, George.
Bachmann Uxbridge Worsted Corporation, assignee : *See*—
Smyth, Harold E.
Bacon, Clinton J., Los Angeles, and S. J. Kent, Van Nuys, Calif. Nailing machine. 2,546,354, Mar. 27.
Badertscher, Darwin E., and W. H. King, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Refining hydrocarbon lubricating oils. 2,546,916, Mar. 27.
Bagnasco, Dante V., Brooklyn, N. Y. Safety pin. 2,546,662, Mar. 27.
Bailey, Alvin Z., Yellow Springs, Ohio. Universal support for typewriter paper. 2,546,143, Mar. 27.
Baird, Harry D., assignor of fifty per cent to J. Schlossberg, Baltimore Md. Bill dispensing pocket book. 2,546,815, Mar. 27.

Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C.

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing centralizer. 2,546,582, Mar. 27.

Baker, Stanley L., Loveland, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Concentrating yeast slurries. 2,546,250, Mar. 27.

Baker, Stanley L., Loveland, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Drying yeast. 2,546,251, Mar. 27.

Baldwin, Burr C., Twin Falls, Idaho. Dirt eliminator for potato sorting machines. 2,546,713, Mar. 27.

Baldwin, Donald W., Los Angeles, W. G. Thompson, Pasadena, and W. A. Clements, Glendale, Calif., said Thompson and said Clements assignors to said Baldwin. Cylinder ridge grinder. 2,546,490, Mar. 27.

Ballou, Richard P., and D. F. Daly, Hartford, Conn., assignors to Federal Electric Products Company, Newark, N. J. Contact structure for electric switches. 2,546,663, Mar. 27.

Baltimore Salesbook Company, The, assignee: *See*—
Brock, Henry Y., Jr.

Bancroft, Hugh N.: *See*—
Alter, Winfield S., and Bancroft.

Bandel, David, Brooklyn, N. Y., assignor to Mathieson Chemical Corporation. Suspension polymerization. 2,546,207, Mar. 27.

Bankson, Ronald O., Pittsburg, Kans., assignor to Max B. Miller & Co., Inc., New York, N. Y. Plugging wells. 2,546,252, Mar. 27.

Barile, Henry C., assignor to Ophthalmix, Brookfield, Ill. Lens inspecting and layout device. 2,546,329, Mar. 27.

Barr, Richard H. H., Normanton, assignor to Power Jets (Research and Development) Limited, London, England. Internal-combustion turbine power plant. 2,546,420, Mar. 27.

Barry, Arthur J., Midland, L. De Pree, Holland, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Synthesis of aromatic silane. 2,546,330, Mar. 27.

Barry, Joseph, Richmond Hill, N. Y. Window lock. 2,546,535, Mar. 27.

Bartholomew, Earl, Birmingham, Mich., and H. C. Cross, Columbus, Ohio, assignors to Ethyl Corporation, New York, N. Y. Wear inhibitors for iron carbonyl. 2,546,421, Mar. 27.

Bartnick, Bertha, Chicago, Ill. Folding display. 2,546,144, Mar. 27.

Barton, Murray M., assignor to Injection Molding Company, Kansas City, Mo. Sealing hollow bodies. 2,546,208, Mar. 27.

Bastian-Blessing Company, The, assignee: *See*—
Norway, Harold L.

Bataille, Gerald S., Appleton, Wis., assignor to W. J. Adams, Chicago, Ill. Motor operated flue damper carrying a pressure operated auxiliary damper. 2,546,714, Mar. 27.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Warp beam stopping mechanism. 2,546,141, Mar. 27.

Bauer, Joseph, and A. Schittelbauer, Detroit, Mich. Depth gauge. 2,546,882, Mar. 27.

Baum, Joseph L., Hartford, Conn. Novelty glove for animated figures. 2,546,209, Mar. 27.

Bauman, William C., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Ion exchange resins and treating a solution of an acid in a liquid ionizing medium to remove anions. 2,546,938, Mar. 27.

Baumgartner, John G., Oswego, Ill. Surgical hand brush. 2,546,291, Mar. 27.

Beauregard, Eugene O., Holyoke, Mass. Collapsible spool. 2,546,253, Mar. 27.

Becker, Howard L., Rexford, N. Y., assignor to General Electric Company. Gas analyzer detecting device. 2,546,715, Mar. 27.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap fastener type socket member. 2,546,716, Mar. 27.

Beetlestone, Percival A. A., and H. W. Gordon, Hatfield, England, assignors to said Gordon. Garment hanger with spring clips. 2,546,717, Mar. 27.

Beezhold, Christian J., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vestibule trapdoor arrangement. 2,546,626, Mar. 27.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Fred A.
Augustadt, Herbert W.
Curtis, Austen M
Gooderham, John W.
Hansen, Harry.
Kempf, Raymond A.
Koliss, Peter P.
Leveridge, Walter J.
Mallina, Rudolph F.
Ostendorf, Bernard, Jr., and Rea.
Peterson, Eugene.
Rippere, Robert O.
Ruggles, David M.
Smith, Phillip H
Tyrrell, Warren A.

Bell, William D., Kansas City, Mo. Cutting tool. 2,546,292, Mar. 27.

Belmont Radio Corporation, assignee: *See*—
Gannaway, Robertson R.

Bemis Bro. Bag Company, assignee: *See*—
Minckert, Carl W.

Bendix Aviation Corporation, assignee: *See*—
Buxton, James E.
Hayden, Howard L.
Miller, Donald L
Mock, Frank C.
Mock, Frank C., and Keller.
Tobias, Arthur R.
Townsend, Carroll S.

Bentsen, Elmer C., Mission, Tex. Rotary mixing valve. 2,546,423, Mar. 27.

Benvissuto, John, Brooklyn, assignor of one-half to A. Lavenburg, New York, N. Y. Folding leg actuator and latching mechanism. 2,546,816, Mar. 27.

Berg, Ezra, Evanston, Wyo. Chick brooder. 2,546,536, Mar. 27.

Bergen, George W., Belmar, N. J. Vertical axis roundabout. 2,546,917, Mar. 27.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,546,625, Mar. 27.

Berliner, Henry A., Washington, D. C. Variable area tail pipe for jet engines. 2,546,293, Mar. 27.

Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,546,382, Mar. 27.

Beuer, Frederick G., assignor to Carter Carburetor Corporation, St. Louis, Mo. Dual control switch. 2,546,847, Mar. 27.

Bickel, Ferdinand D. W., Wilmington, Del., R. A. G. Earich, Pittsburgh, Pa., and H. A. Lewis, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting device. 2,546,686, Mar. 27.

Bill, Robert O., San Leandro, Calif. Relatively vertically adjusting a vehicle draft mechanism and bed. 2,546,491, Mar. 27.

Billings, Charles K., Evansville, Ind., assignor to International Harvester Company. Milk cooler. 2,546,718, Mar. 27.

Bishop, Harold R., assignor to Nips, Inc., New York, N. Y. Crushable container. 2,546,848, Mar. 27.

Bittner, Godfrey E., Seneca, Oreg. Jet propelled vessel having submerged capillary feeding means for the steam boiler. 2,546,210, Mar. 27.

Blackburn, Luther A., Lynwood, Calif. Lubricator. 2,546,211, Mar. 27.

Blackmore, Benjamin J., Cuyahoga Falls, Ohio. Auxiliary window. 2,546,424, Mar. 27.

Black Sivalls & Bryson, Inc., assignee: *See*—
Lovelady, Isaac W.

Blanton, William B.: *See*—
Currie, Frank L., and Blanton.

Blanton, William B., Rockville Centre, N. Y., F. L. Currie, Plainfield, and G. W. Janson, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,546,627, Mar. 27.

Blight, Dennis J.: *See*—
Carington, Charles M., Shoobert, and Blight.

Block, Carl F., Pittsburgh, Pa., assignor to United States Steel Company. Method and apparatus for soldering. 2,546,719, Mar. 27.

Blomstrom, Ray E., Pillager, Minn. Floor board tightener. 2,546,294, Mar. 27.

Bloomer, Edward J., Winnipeg, Manitoba, Canada. Windshield defroster. 2,546,355, Mar. 27.

Blumberg, Hans, Peabody, Mass. Making a rubberlike cleaning composition. 2,546,383, Mar. 27.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint wear collar. 2,546,295, Mar. 27.

Bolsey, Jacques, assignee: *See*—
Richartz, Paul J. M.

Boonshoft, Oscar, Dayton, Ohio. Bomb sighting device. 2,546,145, Mar. 27.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Metal furniture. 2,546,492, Mar. 27.

Booth, Earl C., Columbus, Ohio, assignor to Arvin Industries, Inc. Tubular structure. 2,546,493, Mar. 27.

Boothby, Lawrence W., Alexandria, Va. Frequency distinguishing device. 2,546,147, Mar. 27.

Born, Ellis H.: *See*—
Adams, Cecil E., and Born.

Born, Ellis H., Bexley, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,546,583, Mar. 27.

Bosshard, John J., assignor to Brasco Manufacturing Company, Harvey, Ill. Store front construction. 2,546,384, Mar. 27.

Bovard, Charles M.: *See*—
Gehres, Hewitt A., and Bovard.

Bower Roller Bearing Company, assignee: *See*—
Johnson, Glen F.

Bowman, George L., assignee: *See*—
Mueller, Herman H.

Bowman, John L., assignee: *See*—
Mueller, Herman H.

Bowzer, Augustus M., Lynn, assignor of one-half to D. W. Lewis, Nahant, Mass. Latch. 2,546,148, Mar. 27.

Bowzer, Augustus M., Lynn, assignor of one-half to D. W. Lewis, Nahant, Mass. Latch. 2,546,149, Mar. 27.

Boyd, John B., West Los Angeles, Calif. Wall structure of building blocks. 2,546,356, Mar. 27.

Brandenburg, Stanley A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Engine lathe. 2,546,687, Mar. 27.

Branick, Charles E., Fargo, N. Dak. Rotatably and pivotally adjustable wheel hoist and support. 2,546,849, Mar. 27.

Branson, Harry, Hightstown, N. J., assignor to Radio Corporation of America. Rate smoothing network. 2,546,918, Mar. 27.

Brasco Manufacturing Company, assignee: *See*—
Bosshard, John J.

Braun, Walter, Los Angeles, Calif. Cushion platform type shoe construction. 2,546,296, Mar. 27.

Brazis, Edward M.: *See*—
Jaffe, Hans, Brazis, and Kjelligren.

Brenner, Abner, Chevy Chase, Md., P. S. Burkhead, Bethlehem, Pa., and G. E. Riddell, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Securing adhesion of electroplated coatings to a metal base. 2,546,150, Mar. 27.

Breul, Frederic W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,546,939, Mar. 27.

Brice, Jesse F., assignor to Brice Toy and Novelty, Inc., East Aurora, N. Y. Sounding wheeled toy. 2,546,297, Mar. 27.

Brice Toy and Novelty, Inc., assignee: *See*—
Brice, Jesse F.

Briggs, George, assignor to B. V. C. Electronics Developments Limited, London, England. Electronic amplifier for three-phase current impulses. 2,546,628, Mar. 27.

Briggs, Robert E., Los Angeles, Calif. Electrolytic water treating cell. 2,546,254, Mar. 27.

Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Positioning a forming die with respect to a core tube. 2,546,629, Mar. 27.

Brindle, Percival, Kirkby Stephen, England. Machine for molding concrete blocks. 2,546,883, Mar. 27.

Bristol Company, The, assignee: *See*—
Faust, Frederick A.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Function control mechanism. 2,546,884, Mar. 27.

Brock, Henry Y., Jr., assignor to The Baltimore Salesbook Company, Baltimore, Md. Sales blank. 2,546,584, Mar. 27.

Broeker, Edward E., North Tonawanda, N. Y. Scissor-type bumper jack. 2,546,425, Mar. 27.

Brothers, Abe R., Brooklyn, N. Y. Necktie rack. 2,546,720, Mar. 27.

Browning, John W., Havre, assignor of two per cent to E. and A. Y. Obie, Bozeman, Mont. High-speed flexible joint. 2,546,298, Mar. 27.

Brunner, Devona A., assignor of one-half to H. Brunner, Chicago, Ill. Hair wave solution receptacle. 2,546,817, Mar. 27.

Brunner, Howard, assignee: *See*—
Brunner, Devona A.

Brush Development Company, The, assignee: *See*—
Jaffe, Hans, Brazis, and Kjelligren.
Kornei, Otto.
Massa, Frank.

Bryant, Albert H., Floyds Knobs, Ind. Golf club indicator. 2,546,426, Mar. 27.

Bryant, Ozro N.: *See*—
Schwendner, Anthony F., and Bryant.

Buchholz, Herman, Long Beach, Calif. Property line fence construction. 2,546,494, Mar. 27.

Buck, Norman, Seattle, Wash. Springboard. 2,546,151, Mar. 27.

Budd Company, The, assignee: *See*—
Theriault, Raymond J.

Bullen, Arthur C., San Francisco, Calif. Continuous separator. 2,546,427, Mar. 27.

Burckhardt, Günther, Chos-Malal, Argentina. Device for measuring, or tracing and dividing angles. 2,546,885, Mar. 27.

Burkhead, Polly S. *See*—
Brenner, Abner, Burkhead, and Riddell.

Burnett, William E.: *See*—
Kuhler, Otto A., and Burnett.

Burnside, James H., Englewood, Ohio. Trailer hitch. 2,546,664, Mar. 27.

Burum, Fisher C., assignee: *See*—
Dick, Robert T.

Butridge, James H., Kankakee, and W. H. Claus, Downers Grove, Ill., assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway signal control system. 2,546,331, Mar. 27.

Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,546,940, Mar. 27.

Bybee, Genoris R., Boise, Idaho. Hood reflection visor. 2,546,495, Mar. 27.

Byrd, George C., Crisfield, Md. Keeping the meat of shellfish in a fresh condition. 2,546,428, Mar. 27.

C. A. V. Limited, assignee: *See*—
Thorpe, Ernest H. C.

Cain, Howard B., Milwaukee, Wis. Adjustable clamp for concrete forms. 2,546,537, Mar. 27.

Caldwell, Harry B., Penketh, assignor to Electro-Hydraulics Limited, Warrington, England. Grease pump. 2,546,585, Mar. 27.

Campbell, Samuel J., Green Bay, Wis. Wrapping machinery and method. 2,546,721, Mar. 27.

Canning Town Glass Works Limited, assignee: *See*—
Farrow, Percy, and Honey.

Carey-McFall Co., assignee: *See*—
Labrozzi, Anthony F., and Twelves.

Carlington, Charles M., and G. W. Shoobert, London, and D. J. Blight, Banstead, assignors to K. L. G. Sparking Plugs Limited, London, England. Electrical ignition device for jets from fuel nozzles. 2,546,919, Mar. 27.

Carr, Jay R., White River, S. Dak. Electrified gate. 2,546,429, Mar. 27.

Carter, Albert, Port Carbon, Pa. Machinery support. 2,546,722, Mar. 27.

Carter Carburetor Corporation, assignee: *See*—
Beuer, Frederick G.

Casas Robert, Ramon, Geneva, assignor to Mefina S. A., Binningen, Switzerland. Sewing machine. 2,546,212, Mar. 27.

Case, J. I., Company, assignee: *See*—
Crawford, John F.

Casey, John J.: *See*—
Leman, Donald L., and Casey.

Celanese Corporation of America, assignee: *See*—
Hart, William J., and Salvin.
Salvin, Victor S., and Adams.

Chain Belt Company, assignee: *See*—
Snavely, Joseph W.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.

Chancenotte, Gaston, assignor of seven-tenths to J. M. A. Legrand, Paris, France. Engraving sound tracks on a support and reproducing sounds by scanning said tracks. 2,546,850, Mar. 27.

Chandler, James D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform shoe and making the same. 2,546,152, Mar. 27.

Chapman, Clarence E.: *See*—
Wixon, Paul E., and Chapman.

Charles, Daniel, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Frequency multiplier. 2,546,255, Mar. 27.

Chase Brass & Copper Co., Incorporated, assignee: *See*—
Mellette, Cyril W.

Chebuhar, Charles J.: *See*—
Ardron, Gerald L., Dodge, and Chebuhar.

Chemische Fabriek L. van der Grinten, assignee: *See*—
Van der Grinten, Lodewijk P. F.

Cherry Rivet Company, assignee: *See*—
Keating, Herbert J.

Chevalier, Pierre J.: *See*—
Peyrot, Pierre P., and Chevalier.

Christina, Vincent, Pawling, assignor to Logan Laboratories, Inc., New York, N. Y. Apparatus for washing and sterilizing medicinal containers. 2,546,385, Mar. 27.

Ciba Limited, assignee: *See*—
Schmid, Max, and Johner.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Kaegi, Hans, and Miescher.

Ciclarelli, Joseph J., New Kensington, Pa. Demountable awning. 2,546,386, Mar. 27.

Clark, Adna R., Evansville, Ind., assignor to International Harvester Company. Automotive truck refrigeration apparatus defrosting mechanism. 2,546,723, Mar. 27.

Clarke Sanding Machine Company, assignee: *See*—
Atkin, Kenneth C.

Claus, William H.: *See*—
Butridge, James H., and Claus.

Clements, William A.: *See*—
Baldwin, Donald W., Thompson, and Clements.

Clemmons, Herbert D., Sturgis, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flush valve. 2,546,213, Mar. 27.

Climax Machinery Company, assignee: *See*—
Fuller, Martin H.

Coats, Edward K.: *See*—
Haber, Bernard D., and Coats.

Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Liquid coating composition for the selective transmission of light. 2,546,724, Mar. 27.

Coffin, David D., Newton Highlands, and B. L. Cook, Medford, assignors to Raytheon Manufacturing Company, Newton, Mass. Electrical circuit. 2,546,181, Mar. 27.

Coffing, Fredrick W., Danville, Ill. Detachable handle lock. 2,546,387, Mar. 27.

Collardeau, Georges, and M. L. A. Fluchaire, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of vinyl allyl ether. 2,546,431, Mar. 27.

Collins, Leo F., Seattle, Wash. Micrometer caliper. 2,546,388, Mar. 27.

Colt's Manufacturing Company, assignee: *See*—
Webb, George, and Swartz.

Combined Metals Reduction Company, assignee: *See*—
Klepetko, Ernest.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Charles, Daniel.
Gutton, Henri, and Ortusi.

Conn, C. G., Ltd., assignee: *See*—
Long, Thomas H.

Conrad, Samuel L., Columbus, Ohio. Combination furniture. 2,546,851, Mar. 27.

Consolidated Machine Tool Corporation, assignee: *See*—
Trosch, Alfred, and Forward.

Continental Can Company, Inc., assignee: *See*—
Ardron, Gerald L., Dodge, and Chebuhar.

Cook, Bernard L.: *See*—
Coffin, David D., and Cook.

Cooper-Bessemer Corporation, assignee: *See*—
Gehres, Hewitt A., and Bovard.

Cook, Leo M., Hartford, Ill. Glass retainer. 2,546,430, Mar. 27.

Cook, Wm. H., assignee, trustee: *See*—
Sweeny, Robert D., and Coutchure.

Corneil, Ernest R., Niagara Falls, N. Y. Pumping means. 2,546,852, Mar. 27.

Cornelison, Victor A., assignee: *See*—
Evans, Eugene M.

Cossor, A. C., Limited, assignee: *See*—
Wynn, Arthur H. A.

Costello, Francis G., Los Angeles, Calif. Lock nut. 2,546,332, Mar. 27.

Countryman, James L.: *See*—
Foster, Arnot P., and Countryman.

Coutchure, Wencel L.: *See*—
Sweeny, Robert D., and Coutchure.

Crane Co., assignee: *See*—
Schipplock, Charles J.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Phase balancing apparatus. 2,546,725, Mar. 27.

Crawford, John F., assignor to J. I. Case Company, Racine, Wis. Band applying mechanism. 2,546,496, Mar. 27.

Creamer, Carl C., Jr., Washington, D. C. Mobile sling for crippled animals. 2,546,726, Mar. 27.

Crimora Research & Development Corporation, assignee: *See*—
Koster, John.

Crimora Research and Development Corporation, assignee: *See*—
Koster, John.

Criterion Bead & Novelty Corp., assignee: *See*—
Damast, Abraham.

Crompton & Knowles Loom Works, assignee: *See*—
Separich, Victor F.

Cross, Howard C.: *See*—
Bartholomew, Earl, and Cross.

Cross, Howard C., Columbus, Ohio, assignor, by mesne assignments, to Ethyl Corporation, New York, N. Y. Organic phosphates as wear inhibitors for iron carbonyl. 2,546,422, Mar. 27.

Cross, Walter M., Jr., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Corrosion prevention. 2,546,586, Mar. 27.

Crown Cork & Seal Company, Inc., assignee: *See*—
Erhardt, John E., Jr.

Cullen, Cecil H., Langford, near Bristol, England. Invalid lifting appliance and the like. 2,546,688, Mar. 27.

Cupps, Clyde, Newton Falls, Ohio, assignor to Standard Steel Spring Company, Coraopolis, Pa. Electroplating and electropolishing apparatus. 2,546,920, Mar. 27.

Currie, Frank L.: *See*—
Blanton, William B., Currie, and Janson.

Currie, Frank L., Plainfield, N. J., and W. B. Blanton, Rockville Centre, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,546,630, Mar. 27.

Curry, Harold E., Seattle, Wash. Applicator. 2,546,214, Mar. 27.

Curtis, Austen M., deceased, South Orange, N. J., by L. S. Curtis, executrix, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric switch contact protection. 2,546,818, Mar. 27.

Curtis, Lavalette S., executrix: *See*—
Curtis, Austen M.

Curtis, Norman: *See*—
Ransburg, Harold P., Miller, and Curtis.

Curtiss, George E., Jr., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator door latch. 2,546,333, Mar. 27.

Cusumano, Rudolph, San Gabriel, Calif., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind mechanism. 2,546,886, Mar. 27.

Da-Lite Screen Co., Inc., assignee: *See*—
Du Mais, Leo J., and Heck.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Lubricating system. 2,546,887, Mar. 27.

Daly, Daniel F.: *See*—
Ballou, Richard P., and Daly.

Damast, Abraham, Great Neck, assignor to Criterion Bead & Novelty Corp., Long Island City, N. Y. Ringing toy bell. 2,546,389, Mar. 27.

Daniels, Fred A., Sr.: *See*—
Julian, James G., and Daniels.

Darling, Robert F., Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Apparatus for deflecting a fuel jet towards a region of turbulence in a propulsive gaseous stream. 2,546,432, Mar. 27.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,546,215, Mar. 27.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,546,216, Mar. 27.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,546,217, Mar. 27.

Davey, William, London, England, assignor to Shell Development Company, San Francisco, Calif. Lubricating oil. 2,546,941, Mar. 27.

Davis, John O., assignee: *See*—
Leeds, John C.

Dearsley, George, assignor to Molins Machine Company Limited, London, England. Tobacco cutting machine. 2,546,727, Mar. 27.

Dedmon, George D. and R. F., Salisbury, N. C. Chenille stitching sewing machine attachment. 2,546,357, Mar. 27.

Dedmon, Rad F.: *See*—
Dedmon, George D. and R. F.

Deere & Company, assignee: *See*—
Altgelt, Herman E.
White, Charles H., and Oehler.

Deere Manufacturing Co., assignee: *See*—
Tuft, Miles H., and West.

Dell, Mirah L., Nicholls, Ga. Turpentine tin incision axe. 2,546,728, Mar. 27.

Delson, Leon J.: *See*—
O'Farrell, Frank, and Delson.

De Millar, Floyd O., Sherborn, Mass., assignor to Telechron, Inc. Magnetic motor. 2,546,729, Mar. 27.

De Nie, Willem L. J., and C. N. J. de Nooijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Color stabilization of halogen-containing polymers. 2,546,631, Mar. 27.

Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Adams, Cecil E., and Born.
Born, Ellis H.

De Nooijer, Christiaan N. J.: *See*—
De Nie, Willem L. J., and de Nooijer.

De Pree, Lee: *See*—
Barry, Arthur J., De Pree, and Hook.

De Remer, James E., Yellow Springs, Ohio. Retractable air inlet screen for aircraft gas turbines. 2,546,153, Mar. 27.

Deanoes, Arnold B., Massapequa, N. Y., assignor to American Telephone and Telegraph Company, Telephone substation having hearing aid facilities. 2,546,334, Mar. 27.

Dewey, Russell A.: *See*—
Pitcher, Denzil F., and Dewey.

De Witt, William J.: *See*—
Goodfellow, Isaac, and De Witt.

Dick, Robert T., assignor of two-thirds to F. C. Burum, Houston, and one-third to G. B. Lindler, Harris County, Tex. Parking meter system. 2,546,433, Mar. 27.

Dickerson, Fred, Bellaire, Mich. Ice-fishing shelter. 2,546,730, Mar. 27.

Dill, Winnefred S., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Side wall core taker. 2,546,632, Mar. 27.

Dodge, Adiel Y., Rockford, Ill. Speed and torque responsive coupling. 2,546,633, Mar. 27.

Dodge, Merton L.: *See*—
Ardron, Gerald L., Dodge, and Chebuhar.

Dominion Magnesium Limited, assignee: *See*—
Rostrom, Douglas W.

Donner, Verne P., Palatine, assignor to Mid-Continent Metal Products Company, Chicago, Ill. Cutting and feeding machine. 2,546,390, Mar. 27.

Doran, Joseph, St. Louis, Mo., assignor to J. J. Doran, Barrington, Ill. Welder's helmet. 2,546,942, Mar. 27.

Doran, Joseph J., assignee: *See*—
Doran, Joseph.

Dow Chemical Company, The, assignee: *See*—
Barry, Arthur J., De Pree, and Hook.
Bauman, William C., and Heusted.
Leman, Donald L., and Casey.

Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,546,256, Mar. 27.

Dresser Industries, Inc., assignee: *See*—
Schuman, Charles E.

Drobniewski, Stephan J., Chicago, Ill. Spinning top. 2,546,218, Mar. 27.

Duff, Walter J., Ilford, England. Combustion tube fluid fuel burner. 2,546,731, Mar. 27.

Duffin, Richard J., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Path charting apparatus. 2,546,888, Mar. 27.

Du Mais, Leo J., Chicago, and J. T. Heck, Elmhrust, assignors to Da-Lite Screen Co., Inc., Chicago, Ill. Portable projection screen. 2,546,299, Mar. 27.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Glasford, Glenn M., and Usher.

Dunneback, Joseph G., Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa. Shipping device with article supporting means. 2,546,921, Mar. 27.

Dunneback, Joseph G., Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa. Shipping receptacle with inner article fastening means. 2,546,922, Mar. 27.

Dunneback, Joseph G., Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa. Shipping container with article-supporting base. 2,546,923, Mar. 27.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Rickel, Ferdinand D., Earich, and Lewis.
Murray, Otis W.
Richards, John C.

Doy, Robert D., Mendham, N. J. Forced circulation hot-water heating system. 2,546,358, Mar. 27.

Earich, Robert A. G.: *See*—
Rickel, Ferdinand D., Earich, and Lewis.

Eastern Malleable Iron Company, The, assignee: *See*—
Scanlan, Thomas A.

Eaton, Samuel E., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Immersed-electrode steam generating system. 2,546,889, Mar. 27.

Eckman, George E., Oradell, N. J., assignor to American Can Company, New York, N. Y. Folding container punch. 2,546,257, Mar. 27.

Edgar, Robert F., Pattersonville, N. Y., assignor to General Electric Company. Locating interstrand short circuits in stranded armature bars. 2,546,732, Mar. 27.

Eisenberg, Alan G., Baltimore, Md. Rack. 2,546,587, Mar. 27.

Electro-Hydraulics Limited, assignee: *See*—
Caldwell, Harry B.

Elliott Company, assignee: *See*—
Steen-Johnson, Hall.

Ellis, John H., Detroit, Mich. Fishing shelter or the like. 2,546,588, Mar. 27.

Elsaesser, Frank S., Cincinnati, Ohio. Hamburg steak patty forming machine. 2,546,497, Mar. 27.

Emrick, Ambrose A., assignor to United States Radiator Corporation, Detroit, Mich. Radiator bracket. 2,546,359, Mar. 27.

Enander, Arthur G., Rockford, Ill., assignor to Smith & Enander, Beloit, Wis. Bicycle coaster brake disk aligning tool. 2,546,665, Mar. 27.

Enestvedt, Odean, Sacred Heart, Minn. Single-vaned rotary discharge assistant operable in a side outlet of a container for granular material, and a weighted apron engaging said vane in its outermost position. 2,546,733, Mar. 27.

Engelman, Abel, assignee: *See*—
Abler, Julius.

English Electric Valve Company Limited, assignee: *See*—
Sayers, James.

Erhardt, John E., Jr., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for handling and brightening metal. 2,546,538, Mar. 27.

Espenas, Leif D.: *See*—
Loughborough, William K., McMillen, and Espenas.

Ethyl Corporation, assignee: *See*—
Bartholomew, Earl, and Cross.
Cross, Howard C.

Evans Case Company, assignee: *See*—
Reilly, Alfred F.

Evans, Eugene M., assignor of one-half to V. A. Cornelison, Kansas City, Mo. Fare box vault door locking means. 2,546,498, Mar. 27.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases with particle form solid material. 2,546,634, Mar. 27.

Evans Products Company, assignee: *See*—
Nampa, Sulo M.

Fairbanks, Morse & Co., assignee: *See*—
Owens, James W.

Falk, Irvin A., San Francisco, Calif. Timing device for stethoscopes. 2,546,890, Mar. 27.

Farber, Edward R., assignor to Strobo Research, Milwaukee, Wis. Remotely controlled flash unit. 2,546,734, Mar. 27.

Farkas, Seymour, Astoria, N. Y. Holder for dispensing packages. 2,546,635, Mar. 27.

Farnsworth, Roscoe E., Oakland, Calif. Automatic liquid drain. 2,546,434, Mar. 27.

Farrell, Richard R., assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Fluid control means. 2,546,258, Mar. 27.

Farrow, Percy, Minster, Sheppey, and F. H. Honey, assignors to Canning Town Glass Works Limited, Queenborough, England. Application of transfers to glass-, ceramic-, and other ware. 2,546,360, Mar. 27.

Faust, Frederick A., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Apparatus for timing the passage of a liquid. 2,546,891, Mar. 27.

Federal Electric Products Company, assignee: *See*—
Ballou, Richard P., and Daly.

Fehn, Michael F., Philadelphia, Pa. Vertically adjustable furniture truck. 2,546,539, Mar. 27.

Fellroth, Karl O., Minneapolis, Minn. Box tool. 2,546,853, Mar. 27.

Felts, Samuel E., La Verne, Calif. Cord holder. 2,546,589, Mar. 27.

Fenari, Sükrü, New York, N. Y., assignor of fifty per cent to V. Sabit. Permutation lock. 2,546,182, Mar. 27.

Fenn, Orrin E., assignor to Peters-Dalton, Inc., Detroit, Mich. Gas washer. 2,546,259, Mar. 27.

Ferguson, J. L., Company, asignee: *See*—
Talbot, Richard C.

Ferguson, James, assignee: *See*—
Sindelar, Joseph.

Ferguson, James R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Instrument panel switch. 2,546,943, Mar. 27.

Ferguson, Murray, assignee: *See*—
Prizer, Eugene L.

Ferrel, Clyde B., San Francisco, Calif. Hinge structure. 2,546,590, Mar. 27.

Field, Edward A., Jr., Mendota, Ill. Draft regulator. 2,546,219, Mar. 27.

Fine, Joseph J., Dorchester, Mass. Strap cutting means for Venetian blinds. 2,546,435, Mar. 27.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Fischer, Charles R.: *See*—
Lindstaedt, Frank F., and Fischer.

Fisher, Albert B., Jr.: *See*—
Shaffer, Chester E., and Fisher.

Fleischer, Max, New York, N. Y. Self-examination device. 2,546,666, Mar. 27.

Fleischer Mills, Inc., The, assignee: *See*—
Holle, Roy.

Fleming Steel Company, The, assignee: *See*—
Rape, Robert F.

Floyd, Ray H., assignor of one-half to J. O. Warner and A. P. Peracca, Los Angeles, Calif. Lifting jack. 2,546,361, Mar. 27.

Fluchaire, Maurice L. A.: *See*—
Collardeau, Georges, and Fluchaire.

Folding Books Limited, assignee: *See*—
Townley, Frederick.

Food Machinery and Chemical Corporation, assignee: *See*—
Wade, John B.

Foote, Edward J., Antelope, Calif. Friction drag for windows. 2,546,735, Mar. 27.

Formato, Anthony F., assignee: *See*—
Stein, Peter W.

Forney, Jim C., Chilton, Tex. Rotary plant chopper and cultivator. 2,546,260, Mar. 27.

Forward, Worthy J. F.: *See*—
Trosch, Alfred, and Forward.

Foster, Arnot P., and J. L. Countryman, Cincinnati, Ohio, assignors to The Vitrosteal Corp., Covington, Ky. Color coded terminal plate. 2,546,854, Mar. 27.

Foulks, Harry B., New York, N. Y. Tire deflation switch. 2,546,183, Mar. 27.

Fowler, Warren D., Red Bank, N. J. Orthopedic apparatus. 2,546,436, Mar. 27.

Franie, Hector D., Belle, W. Va. Indicator flag for funeral cars. 2,546,855, Mar. 27.

Frazier, Marion R., Belleville, N. J. Variable-speed transmission. 2,546,856, Mar. 27.

Frentzel, Herman C.: *See*—
Morrison, George F., and Frentzel.

Freudenberg, Werner, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerization of N-vinyl pyrrole compounds. 2,546,924, Mar. 27.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Multiple-line release mechanism. 2,546,689, Mar. 27.

Friend, James R., Rolling Hills, Calif. Illumination louver. 2,546,335, Mar. 27.

Fritts, Ralph M., Kansas City, Mo. Capsule filling machine with a vertically reciprocable V-shaped sweep. 2,546,300, Mar. 27.

Fry, Andrew and F. A., assignors to Rotor Power Units Limited, Liverpool, England. Winding arrangement in electrical apparatus. 2,546,736, Mar. 27.

Fry, Frederick A.: *See*—
Fry, Andrew and F. A.

Fryling, Charles F., Phillips, Tex., and W. B. Reynolds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion polymerization with a catalyst comprising a diazo thioether and a ferricyanide. 2,546,220, Mar. 27.

Fuller, Alfred J.: *See*—
Potter, William W., and Fuller.

Fuller, Martin H., assignor to Climax Machinery Company, Indianapolis, Ind. Mounting device for window ventilating fans. 2,546,944, Mar. 27.

Funk, Nelson E., Kalamazoo, Mich. Paper feeding, cutting, and registering mechanism. 2,546,221, Mar. 27.

Funk, Warren S., Sioux Falls, S. Dak. Fishing line drier. 2,546,222, Mar. 27.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Coin-controlled electrical vending machine. 2,546,690, Mar. 27.

Gaffield, Eli W., Washington, D. C., assignor of fifty per cent to R. N. Matson, Silver Spring, Md. Illuminated earring. 2,546,945, Mar. 27.

Gambill, William M., Abilene, Tex. Casting lure. 2,546,437, Mar. 27.

Gannaway, Robertson R., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. High-voltage power supply. 2,546,591, Mar. 27.

Garden, Henry B., Paoli, and H. J. McDermott, Collingdale, Pa., assignors to American Viscose Corporation, Wilmington, Del. Cone holder for creels. 2,546,301, Mar. 27.

Gardner, Henry A., Laboratory, Inc., assignee: *See*—
Hunter, Richard S.

Gardner, Irvine C., Chevy Chase, Md. Gauge. 2,546,154, Mar. 27.

Garner, Lloyd P., Lancaster, Pa., assignor to Radio Corporation of America. Nondeforming electrode structure and electron discharge device. 2,546,184, Mar. 27.

Garretson, Owen L., and A. W. Peck, Bartlesville, Okla., assignors to Phillips Petroleum Company. Mobile weed burner system. 2,546,592, Mar. 27.

Gaul, Edward M., Evansville, Ind., assignor to International Harvester Company. Sheet metal evaporator. 2,546,737, Mar. 27.

Gehres, Hewitt A. and C. M. Bovard, assignors to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Flexible diaphragm pump. 2,546,302, Mar. 27.

Geldhof, Peter E., and C. E. Morgenstern, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Clothes drier. 2,546,925, Mar. 27.

Gendernalik, Leo G., Anaheim, Calif. Postage stamp dispenser. 2,546,738, Mar. 27.

General Aniline & Film Corporation, assignee: *See*—
Freudenberg, Werner.
Silfkin, Sam C., and Sulich.

General Candy Corporation, assignee: *See*—
Petrilli, Santy C.

General Electric Company, assignee: *See*—
Becker, Howard L.
Crary, Selden B.
Edgar, Robert F.
Goldberg, Leon J.
Lawry, Clinton C., Jr.
Moore, Robert E.
Mork, Raymond P.
Nelson, Richard B.
Pistey, John M.
Roemke, Henry C.
Thatcher, Robert R.
Weiss, Karl, and Sautter.

Genter, Albert H., Mount Lebanon, Pa. Combination hanger and clamp for supporting electrical conductors. 2,546,593, Mar. 27.

Georgelna, Paul F., New Britain, and D. P. Iezzi, Plainville, Conn. Container enclosed ice chopper with spring retracted head. 2,546,739, Mar. 27.

Gevaert Photo-Producten N. V., assignee: *See*—
Koerber, Willem K. A., and Van Goethem.

Gibbons, William J., Philadelphia, Pa. Quick-acting clamping device. 2,546,336, Mar. 27.

Gibson, Robert M., Pittsburgh, Pa. Metallurgical apparatus. 2,546,337, Mar. 27.

Gilfillan Bros., Inc., assignee: *See*—
Jones, Kendall.

Glasford, Glenn M., Passaic, and E. M. Usher, Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Circuit for minimizing transients during switching between two video channels. 2,546,338, Mar. 27.

Gleim, William K. T., Orland Park, assignor to Universal Oil Products Company, Chicago, Ill. Synthesis of coumarans. 2,546,499, Mar. 27.

Goldberg, Leon J., Schenectady, N. Y., assignor to General Electric Company. Alternating-current electromagnet with armature. 2,546,740, Mar. 27.

Gooderham, John W., Rye, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stepping failure indicator for sensing devices. 2,546,819, Mar. 27.

Goodfellow, Isaac, and W. J. De Witt, assignors to Shoe Form Co. Inc., Auburn, N. Y. Shoe form with stiffening flange. 2,546,391, Mar. 27.

Gordon, Heinz W., assignee: *See*—
Beetlestone, Percival A. A., and Gordon.

Gould, David H.: *See*—
Ruigh, William L., and Gould.

Grabill, John F., Flora, Ill. Automobile window sunshade. 2,546,438, Mar. 27.

Grace, William, New York, N. Y. Covering fabric for umbrellas. 2,546,857, Mar. 27.

Graham, Merle J.: *See*—
Miller, Fred J., and Graham.

Graham, Thomas K., Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y. Apparatus for handling heavy slabs and other material. 2,546,362, Mar. 27.

Grand Specialties Company, assignee: *See*—
Sasgen, Anthony M., and Hopfeld.

Grant, Philip J., Oakland, Calif. Paper and deodorant dispenser. 2,546,820, Mar. 27.

Gray, John E., assignor to Mueller Brass Co., Port Huron, Mich. Apparatus for removing moisture in a refrigerating system. 2,546,594, Mar. 27.

Green, Leon, Los Angeles, Calif. Knockdown table or stool. 2,546,439, Mar. 27.

Green, Walter H., Geneva Township, Kane County, assignor to Inflico Incorporated, Chicago, Ill. Coagulating apparatus. 2,546,691, Mar. 27.

Greenberg, Herman H., assignee: *See*—
Jackson, Lloyd T.

Greene, Claude E., and R. B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company. Control system. 2,546,692, Mar. 27.

Greer, Edward M.: *See*—
Mercier, Jean G., and Greer.

Greer, Edward R., Wayzata, Minn. Rotating jet actuated apparatus for accelerating discharge and dispersion of snow and other material. 2,546,339, Mar. 27.

Greer Hydraulics, Inc., assignee: *See*—
Mercier, Jean G., and Greer.

Griffith, John W., Pittsburgh, Pa. Pneumatic tire casing. 2,546,858, Mar. 27.

Grinham, Edward G., and W. R. Turner, assignors to The Standard Motor Company Limited, Coventry, England. Remote control mechanism of change-speed gearing of a motor-vehicle. 2,546,440, Mar. 27.

Griscom Russell Company, The, assignee: *See*—
Knowlton, Eugene B.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Pile wire and weaving pile fabrics. 2,546,261, Mar. 27.

Grossman, Darwin B., New Rochelle, N. Y. Apparatus for spraying hot dope, lacquers, and other thermally thinned material. 2,546,741, Mar. 27.

Gruben, James F., Roby, Tex. Dual film camera. 2,546,540, Mar. 27.

Grupp, Otto E., Jr., Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Electrical selector for phonographs and the like. 2,546,392, Mar. 27.

Guthmann, Eugene Y., Philadelphia, Pa. Rotating disk game. 2,546,441, Mar. 27.

Gutton, Henri, and A. J. Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. High-frequency electrical filter for use in wave guides. 2,546,742, Mar. 26.

Gutzeit, Gregoire: *See*—
Landon, Richard W., Talmey, and Gutzeit.

Guy, Charles M., Pittsburgh, Pa., assignor to United States Steel Company. Connecting sleeve for burners and hot-blast stoves. 2,546,442, Mar. 27.

H. and L. Tooth Company, assignee: *See*—
Launder, Ernie L.

Haber, Bernard D., Dayton, and E. K. Coats, Xenia, Ohio. Deflection indicator. 2,546,155, Mar. 27.

Haddad, Albert A., Leaside, Ontario, Canada. Sock and stocking stretcher and drier. 2,546,595, Mar. 27.

Hageo, Clarence R., Memphis, Tenn., assignor to International Harvester Company. Cotton picker spindle. 2,546,185, Mar. 27.

Hain, Folke B. L., Angelholm, Sweden. Insulation and load supervisory system. 2,546,443, Mar. 27.

Haines, David T., Sr., Dallas, Tex. Portable or stationary multiple air jack. 2,546,596, Mar. 27.

Hale, Arthur N., Stamford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine driving mechanism. 2,546,393, Mar. 27.

Hall, Charles F., Berkeley, Calif. Convection-compensating centrifuge. 2,546,186, Mar. 27.

Hall, Frederick L., Snow Shoe, Pa. Stocking. 2,546,444, Mar. 27.

Hall, William M., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,546,500, Mar. 27.

Halliburton Oil Well Cementing Company, assignee: *See*—
Adams, Robert S.
Dill, Winfrefred S.

Halvorsen, Henry K. and H. K. Jr., Sutherlin, Oreg. Side block. 2,546,445, Mar. 27.

Halvorsen, Henry K., Jr.: *See*—
Halvorsen, Henry K. and H. K., Jr.

Hamilton, Perry H., Columbus, Ind. Can handling machine. 2,546,501, Mar. 27.

Hansen, Harry, Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recorder and reproducer. 2,546,821, Mar. 27.

Hanson, Estyle D., G. E. Henning, and S. M. Martin, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Take-up apparatus. 2,546,636, Mar. 27.

Harbison, Lynn, Akron, Ohio, assignor to Phillips Petroleum Company. Production of rubber products. 2,546,446, Mar. 27.

Harman, Gerald J., Los Angeles, Calif. Receptacle and closure therefor for aircraft refueling apparatus. 2,546,892, Mar. 27.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Footrest. 2,546,394, Mar. 27.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Incorporating solid fat in liquid fatty mixtures. 2,546,502, Mar. 27.

Harris, Arch W., Euclid, Ohio, assignor to The American Steel and Wire Company of New Jersey. Drawing fine steel wire. 2,546,447, Mar. 27.

Harris, D. P., Hdw. & Mfg. Co., Inc., assignee: *See*—
Abel, Jack.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Computer apparatus. 2,546,156, Mar. 27.

Harris, Herbert H., Sacramento, Calif. Dispenser for toilet paper. 2,546,597, Mar. 27.

Harrison, Joseph L., Wallace, Idaho. Electrically heated deicing shingle. 2,546,743, Mar. 27.

Harrison, Leonard H., Union City, N. J. Daylight developing tank for roll film. 2,546,598, Mar. 27.

Hart, Stephen V., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical regulation system. 2,546,926, Mar. 27.

Hart, William J., Dover, and V. S. Salvin, Irvington, N. J., assignors to Celanese Corporation of America. Emulsions of water-insoluble organic acid-fading inhibitors dissolved in water-insoluble organic solvents. 2,546,168, Mar. 27.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Rothschild, Siegfried.

Hartough, Howard D., Pitman, and J. W. Schick, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Modified phenol-formaldehyde resins. 2,546,946, Mar. 27.

Harward, John H., Haverhill, Mass. Structural frame for windows. 2,546,187, Mar. 27.

Hasselbaum, Oscar H., Arlington, assignor to Joseph Pollak Corporation, Dorchester, Mass. Rotary electric switch. 2,546,744, Mar. 27.

Hatcher, Grant E., Lee's Summit, assignor to Sam Mulkey Company, Kansas City, Mo. Flight conveyer. 2,546,262, Mar. 27.

Haycock, Joseph L., Napanee, Ontario, Canada. Saw blade construction. 2,546,503, Mar. 27.

Hayden, Howard L., Emerson, assignor to Bendix Aviation Corporation, Teterboro, N. J. Generator. 2,546,448, Mar. 27.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Derail. 2,546,667, Mar. 27.

Hayes Track Appliance Company, assignee: *See*—
Hayes, Stanley W.

Head, Robert R., Boulder, Colo. Object holding mechanism for grinding machines. 2,546,504, Mar. 27.

Heck, John T.: *See*—
Du Mais, Leo J., and Heck.

Hein, Harold W., Chicago, Ill., assignor to International Harvester Company. Piston type homogenizer mechanism. 2,546,745, Mar. 27.

Henning, George E.: *See*—
Hanson, Estyle D., Henning, and Martin.

Henning, William W., Riverside, Ill., assignor to International Harvester Company. Synchronizer clutch. 2,546,746, Mar. 27.

Hercules Powder Company, assignee: *See*—
Stonecipher, William D.

Herdy, John B., San Antonio, Tex. Garbage can and rack. 2,546,449, Mar. 27.

Herlöw, Anders, assignor to A/S Grindstedvaerket, Grindsted, Denmark. Agents for coloring emulsions and dispersions, especially those of the oil in water type. 2,546,748, Mar. 27.

Heron, Grace, Clayton, Mo. Removable cover for mops. 2,546,505, Mar. 27.

Herr, Joseph S., Nottingham, Pa. Feed grinding and mixing plant. 2,546,747, Mar. 27.

Herrick, Percy H., Baltimore, Md., assignor to Products Manufacturing Co., Inc. Combination roller toy. 2,546,822, Mar. 27.

Heusted, George B.: *See*—
Bauman, William C., and Heusted.

Hicks, Edward C., Peekskill, N. Y. Tobacco can humidor cover. 2,546,599, Mar. 27.

Hilder, Stuart, Arlington, Va., assignor to Monroe Calculating Machine Company, Orange, N. J. Operation control and terminating mechanism. 2,546,893, Mar. 27.

Hilty, Donald C., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Producing low-carbon chromium steels. 2,546,340, Mar. 27.

Hohensack, Thomas E., La Crescenta, Calif. Apparatus for grinding ore. 2,546,506, Mar. 27.

Hodo, Augustus E., Augusta, Ga. Metal awning. 2,546,894, Mar. 27.

Hoffmann-La Roche Inc., assignee: *See*—
Plati, John T., and Wenner.

Holden, Victor, Buffalo, N. Y. Garment hanger. 2,546,600, Mar. 27.

Holle, Roy, assignor to The Fleischer Mills, Inc., Cincinnati, Ohio. Tag fastener. 2,546,303, Mar. 27.

Holloway, Ernest, Cleveland, Ohio. Rocket machine gun. 2,546,823, Mar. 27.

Holloway, Judson H., R. S. Tabke, and A. N. Parrett, assignors to Rayonier Incorporated, Shelton, Wash. Treatment of pulp. 2,546,749, Mar. 27.

Holmes, Frank G., Philadelphia, Pa. Automatic freight car. 2,546,507, Mar. 27.

Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.

Honey, Frank H.: *See*—
Farrow, Percy, and Honey.

Hook, Donald E.: *See*—
Barry, Arthur J., De Pree, and Hook.

Hoover Company, The, assignee: *See*—
Snyder, Eugene L.
Sutton, Otis B.

Hopfeld, Fred P.: *See*—
Sasgen, Anthony M., and Hopfeld.

Hopkins, Ervin W.: *See*—
McCloskey, Arthur P., and Hopkins.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,546,508, Mar. 27.

Hosmer, Chester C.: *See*—
Launder, Ernie L., and Hosmer.

Hotpoint Inc., assignee: *See*—
Oakley, Sterling A.

Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Polarizing head for magnetic recorders. 2,546,927, Mar. 27.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Making electrical connectors. 2,546,395, Mar. 27.

Huebner, William C., New York, N. Y. Printing element or cylinder. 2,546,304, Mar. 27.

Huff, Sireno E., Evart, Mich. Tire dolly. 2,546,509, Mar. 27.

Hughes, Mary F.: *See*—
Paine, Howard S., and Hughes.

Humason, Granville A., assignor of one-half to E. E. Townes, Jr., Houston, Tex. Wellhead construction. 2,546,638, Mar. 27.

Hume, William G., Lancaster, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Locking means for adjustable telescopic members. 2,546,157, Mar. 27.

Hungerford, Gordon P.: *See*—
Jurgensen, Delbert E., Jr., and Hungerford.

Hunt, Francis C., London, England. Comb and comb-like device. 2,546,541, Mar. 27.

Hunter, Richard S., Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md. Photometric comparator instrument. 2,546,450, Mar. 27.

Hurd Corporation, assignee: *See*—
Zahm, George G.

Hurt, George C., Warrenton, Oreg. Snap seal fastener. 2,546,542, Mar. 27.

Husarik, Edward J., Everett, Wash. Attachment for curtain or drapery rods. 2,546,601, Mar. 27.

Hyman, Benjamin M., and E. K. Karlsson, Moline, Ill., assignors to International Harvester Company. Conveyer for tractor-mounted corn pickers. 2,546,750, Mar. 27.

Iezzi, Domenic P.: *See*—
Georgelna, Paul F., and Iezzi.

Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.
Smith, Edward P., and Johnson.

Indiana Steel Products Company, The, assignee: *See*—
Howell, Hugh A.

Inflico Incorporated, assignee: *See*—
Green, Walter H.

Ingalls Shipbuilding Corporation, assignee: *See*—
Williamson, Boyce.

Ingersoll-Rand Company, assignee: *See*—
Allen, Roy O.

Injection Molding Company, assignee: *See*—
Barton, Murray M.

Innes, Leroy E., Poplar Bluff, Mo. Wrist watch guard. 2,546,859, Mar. 27.

Institutum Divi Thomae Foundation, assignee: *See*—
Baker, Stanley L.

International Harvester Company, assignee: *See*—
Avila, Frank W.
Billings, Charles K.
Clark, Adna R.
Gaul, Edward M.
Hagen, Clarence R.
Hein, Harold W.
Henning, William W.
Hyman, Benjamin M., and Karlsson.

Isenberg, Alexander H., assignee: *See*—
Williamson, Thomas F. M.

J. & L. Steel Barrel Company, assignee: *See*—
Dunneback, Joseph G.

Jack, Edward M., Litchfield, assignor to Union Hardware Company, Torrington, Conn. Clamping device for fishing reels. 2,546,341, Mar. 27.

Jackson, Lloyd T., Milboro, Va., assignor of thirty-three and one-third per cent to H. H. Greenberg, Detroit, Mich. Safety means for hydraulic brakes. 2,546,751, Mar. 27.

Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.

Jaeger, Edward B., Chicago, Ill. Air circulation control for refrigerators. 2,546,363, Mar. 27.

Jaffe, Hans, Cleveland Heights, E. M. Brazis, Cleveland, and B. Kjellgren, University Heights, assignors to The Brush Development Company, Cleveland, Ohio. Growing crystals. 2,546,305, Mar. 27.

Jameson, Joseph L., Ewell, England. Valve-operating mechanism. 2,546,263, Mar. 27.

Janney, Julia C., assignee: *See*—
Keep, Edward C., and E. L.

Janson, George W.: *See*—
Blanton, William B., Currie, and Janson.

Jarowski, Charles I., Flushing, assignor to Vick Chemical Company, New York, N. Y. Aerial disinfectants and using the same. 2,546,895, Mar. 27.

Jauss, Carlos L., New York, N. Y. Antitampering electric meter. 2,546,693, Mar. 27.

Jayne, David W., Jr.: *See*—
Lento, Lonia L., Jr., and Jayne.

Jenkins, Harold W., Kansas City, Mo. Impulse propelled toy automobile. 2,546,223, Mar. 27.

Jenkins, Leon R., Miami, Fla. Combination boat fender and life raft. 2,546,396, Mar. 27.

Joesting, Harry F., assignee: *See*—
Le Claire, Eugene J.

Johansen, Harry C., Michigan City, Ind., assignor to Joy Manufacturing Company. Device for coupling and uncoupling drill rod joints. 2,546,224, Mar. 27.

Johansen, John I., Soda Springs, Calif. Ski binding. 2,546,694, Mar. 27.

Johner, Hans: *See*—
Schmid, Max, and Johner.

Johns-Manville Corporation, assignee: *See*—
Modigliani, Piero.

Johnson, Ferdinand C., assignor to Kendall Corporation, Milwaukee, Wis. Cutting tool holder. 2,546,306, Mar. 27.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Work feeding and holding mechanism for machine tools. 2,546,752, Mar. 27.

Johnson, Leonard E., Wheat Ridge, Colo. Stress-relieving articulation for prosthetic dentures. 2,546,397, Mar. 27.

Johnson, Lincoln: *See*—
Jorgensen, Ernest E., and Johnson.

Johnson, Malcolm S.: *See*—
Smith, Edward P., and Johnson.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake slack adjuster. 2,546,753, Mar. 27.

Johnson, Montgomery H., Boston, Mass., assignor to The Sperry Corporation. Gyroscopic instrument. 2,546,158, Mar. 27.

Johnson, Walter C., Princeton, N. J., and W. D. Stevenson, Jr., Raleigh, N. C., assignors to the United States of America as represented by the Secretary of the Navy. Limiter circuit for telemetering systems. 2,546,307, Mar. 27.

Jones, John L., Los Angeles, Calif. Vaginal applicator. 2,546,754, Mar. 27.

Jones, Kendall, assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Antiparallax mapping device. 2,546,510, Mar. 27.

Jones, Owen R., Frankfort, Kans. Cornhusking machine. 2,546,264, Mar. 27.

Jones, Timothy W., Tuskegee, Ala. Educational device. 2,546,543, Mar. 27.

Jones, Walter L., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Combined bridge block and fastener for spectacle cases. 2,546,755, Mar. 27.

Jorgensen, Ernest E., and L. Johnson, Halfmoon Bay, British Columbia, Canada. Bunk stake equipment. 2,546,511, Mar. 27.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of phenol by oxidation of benzene. 2,546,639, Mar. 27.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of phenol by oxidation of benzene. 2,546,640, Mar. 27.

Joy Manufacturing Company, assignee: *See*—
Johansen, Harry C.
Paget, Win W.

Judson Bros. Co., assignee: *See*—
Wonenberg, Samuel.

Julian, James G., and F. A. Daniels, Sr., Columbia, S. C. Locomotive and car wheel grinding machine. 2,546,225, Mar. 27.

Jurgensen, Delbert E., Jr., Tuckahoe, and G. P. Hungerford, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Film casting knife and process. 2,546,342, Mar. 27.

K. L. G. Sparking Plugs Limited, assignee: *See*—
Carington, Charles M., Shoobert, and Blight.

Kadlecik, Josef, Spytihnev, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Rolling machine of the bridge type for the treatment of leather. 2,546,544, Mar. 27.

Kaegi, Hans, Basel, and K. Miescher, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Piperidyl ketones and making same. 2,546,159, Mar. 27.

Kahler, John, Lincoln, Nebr. Floor marking device. 2,546,308, Mar. 27.

Kamborian, Jacob S., West Newton, Mass. Last expanding machine. 2,546,398, Mar. 27.

Kamlet, Jonas, New York, N. Y., assignor to Tennessee Products & Chemical Corporation, Nashville, Tenn. Separation of isomeric chlorobenzoic acids. 2,546,545, Mar. 27.

Kansas City Testing Laboratory, assignee: *See*—
Cross, Walter M., Jr.

Karlsson, Elof K.: *See*—
Hyman, Benjamin M., and Karlsson.

Kassuba, Paul, Detroit, Mich. Ball. 2,546,896, Mar. 27.

Keating, Herbert J., Pasadena, assignor to Cherry Rivet Company, Los Angeles, Calif. Rivet with self-locking mandrel. 2,546,602, Mar. 27.

Keep, Edward C. and E. L., assignors of one-fourth to J. C. Janney, Richmond, Calif. Wild duck decoy. 2,546,189, Mar. 27.

Keep, Eleanor L.: *See*—
Keep, Edward C. and E. L.

Keeseal Pty. Limited, assignee: *See*—
Larymore, William.

Keller, Edwin G.: *See*—
Mock, Frank C., and Keller.

Keller, William C., Del Mar, Calif. Periodic siphon metering device for bottles. 2,546,188, Mar. 27.

Kellogg, M. W., Company, The, assignee: *See*—
Passino, Herbert J.

Kelsey, Cadwallader W., Troy, N. Y. Lawn mower and lawn mower attachment for tractors. 2,546,265, Mar. 27.

Kempf, Raymond A., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Joint for coaxial conductors. 2,546,309, Mar. 27.

Kendall Corporation, assignee: *See*—
Johnson, Ferdinand C.

Kent, Samuel J.: *See*—
Bacon, Clinton J., and Kent.

King, Michael C., Pittsburgh, Pa., assignor to United States Steel Company. Galvanizing. 2,546,451, Mar. 27.

King, William H.: *See*—
Badertscher, Darwin E., and King.

Kintzinger, Henry W.: *See*—
Koppang, Earl T., and Kintzinger.

Kirby, John H., II, Houston, Tex. Side-wall coring device. 2,546,668, Mar. 27.

Kirby, John H., II, Houston, Tex. Hydraulic side wall coring tool. 2,546,669, Mar. 27.

Kirby, John H., II, Houston, Tex. Hydraulically operable side-wall coring tool. 2,546,670, Mar. 27.

Kizer, Robert "B": *See*—
Williams, Donald R., and Kizer.

Kjellgren, Bengt: *See*—
Jaffe, Hans, Brazis, and Kjellgren.

Klagsbrunn, Josef, Geneva, Switzerland. Centrifugal mill. 2,546,860, Mar. 27.

Klepetko, Ernest, Bauer, assignor to Combined Metals Reduction Company, Stockton, Utah. Resin melting. 2,546,364, Mar. 27.

Kmieliauskas, Vailus V., Montreal, Quebec, Canada. Telescoping drum. 2,546,452, Mar. 27.

Knibb, Leroy H., Chicago, Ill. Ornamenting coil spring wristbands. 2,546,603, Mar. 27.

Knowlton, Eugene B., Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y. Tube expander. 2,546,756, Mar. 27.

Koenig, Adolph, Montpelier, N. Dak. Adjustable tractor wheel means. 2,546,453, Mar. 27.

Koerber, Willem K. A., Berchem-Antwerp, and D. M. A. Van Goethem, Kontich, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Light-sensitive photographic emulsion. 2,546,642, Mar. 27.

Koliss, Peter P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical protective apparatus. 2,546,824, Mar. 27.

Koppang, Earl T., and H. W. Kintzinger, Minneapolis, Minn. Housing and light diffuser for fluorescent fixtures. 2,546,190, Mar. 27.

Koppers Company, Inc., assignee: *See*—
Shaffer, Chester E., and Fisher.

Korbel, Bedřich, Zlin, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Scraping disk. 2,546,546, Mar. 27.

Kornel, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing crystals. 2,546,310, Mar. 27.

Koster, John, assignor to Crimora Research and Development Corporation, Crimora, Va. Electrodeposition of manganese. 2,546,547, Mar. 27.

Koster, John, assignor to Crimora Research & Development Corporation, Crimora, Va. Anode for electrowinning manganese and making the same. 2,546,548, Mar. 27.

Krarup, Kay, Bakersfield, Calif. Collapsible music holding attachment for guitars. 2,546,767, Mar. 27.

Kravetz, Louis B., Baltimore, Md. Adjustable scale holding device. 2,546,825, Mar. 27.

Kromholz, Edward J., Rockford, Ill. Automatic safety switch locking mechanism. 2,546,454, Mar. 27.

Kropp, William J., Wichita, Kans. Apparatus for making insulation batts and boards. 2,546,266, Mar. 27.

Krumbhaar, William, New York, N. Y. Depolymerized copal-like resinous esters. 2,546,826, Mar. 27.

Krushelnicky, Adam, Indian Head, Saskatchewan, Canada. Trip-rope releasing device. 2,546,191, Mar. 27.

Kuehl, Frederick A., Jr., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Purification of grisein. 2,546,267, Mar. 27.

Kuhler, Otto A., Blauvelt, N. Y., and W. E. Burnett, Montclair, N. J., assignors to American Car and Foundry Company, New York, N. Y. Railroad car. 2,546,311, Mar. 27.

Kurtz, Raymond W., Greenfield, assignor of one-half to H. C. Paull, Adair County, Iowa. Implement control hitch and associated mechanism. 2,546,192, Mar. 27.

Labrozzi, Anthony F., and E. M. Twelves, assignors to Carey-McFall Co., Philadelphia, Pa. Cutting tool. 2,546,455, Mar. 27.

Lafky, Albert F. J., Longview, Wash. Trail cart. 2,546,604, Mar. 27.

Laird, John A., and J. W. Reid-Jones, assignors to Joseph Lucas Limited, Birmingham, England. Regulating means for alternating electric current generators. 2,546,549, Mar. 27.

Laird, John A., Coventry, and D. W. Morris, Aston, assignors to Joseph Lucas Limited, Birmingham, England. Spark ignition apparatus. 2,546,550, Mar. 27.

Laizure, James C., Brawley, Calif. Connector structure for taillights. 2,546,226, Mar. 27.

Landon, Richard W., and P. Talmey, Chicago, Ill., and G. Gutzeit, East Chicago, Ind., assignors, by mesne assignments, to M. Yoman-Malek, Washington, D. C. Treating rice. 2,546,456, Mar. 27.

Lane-Wells Company, assignee: *See*—
Turechek, George F.

La Rocque, Samuel W., Pawtucket, R. I. Sheet metal loop picker. 2,546,643, Mar. 27.

Larymore, William, Drummoyne, near Sydney, assignor to Keeseal Pty. Limited, Mascot, near Sydney, New South Wales, Australia. Dead-end coupling. 2,546,312, Mar. 27.

Laub, David, assignee: *See*—
Tarshis, Ralph.

Launder, Ernie L., Montebello, and C. C. Hosmer, Long Beach, Calif. Fastener for a tooth cap, or the like. 2,546,457, Mar. 27.

Launder, Ernie L., Montebello, assignor to H. and L. Tooth Company, Los Angeles, Calif. Work holder for use in welding. 2,546,458, Mar. 27.

Lavenburg, Albert, assignee: *See*—
Benvissuto, John.

Lavinthal, Albert, Trenton, N. J. Arch supporting device. 2,546,827, Mar. 27.

Lawry, Clinton C., Jr., Schenectady, N. Y., assignor to General Electric Company. Stabilizing circuit. 2,546,758, Mar. 27.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Lubricant fitting. 2,546,671, Mar. 27.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Nipple or lubricant-receiving device. 2,546,672, Mar. 27.

Le Claire, Eugene J., assignor to H. F. Joesting, St. Paul, Minn. Fastener for pressure doors. 2,546,760, Mar. 27.

Lee, John W., H. E. Martin, and W. M. Alexander, Indianapolis, Ind. Subcutaneous medication. 2,546,759, Mar. 27.

Lee, O. Z., Frederick, Okla. Automobile tray for instrument panels. 2,546,459, Mar. 27.

Leeds, John C., Sherman Oaks, assignor of one-half to J. O. Davis, Los Angeles, Calif. Adjustable seat rest. 2,546,460, Mar. 27.

Legrand, Jean M. A., assignee: *See*—
Chancenotte, Gaston.

Legris, Edgar L., assignor of fifty per cent to L. Legris, Kankakee, Ill. Adjustable seat for farm implements. 2,546,268, Mar. 27.

Legris, Louis, assignee: *See*—
Legris, Edgar L.

Lehman, Sophie, assignee: *See*—
Tarshis, Ralph.

Leman, Donald L., Freeland, and J. J. Casey, assignors to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,546,931, Mar. 27.

Lengyel, Bela A., Washington, D. C. Phosphorescent screen for radio wave detection. 2,546,160, Mar. 27.

Lento, Louis L., Jr., Springdale, and D. W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Making alkali metal cyanates. 2,546,551, Mar. 27.

Leonard, Edward H., Schenectady, N. Y. Novelty house number. 2,546,227, Mar. 27.

Lesher, Robert B.: *See*—
Greene, Claude E., and Lesher.

Leveridge, Walter J., Tuckahoe, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic operating clutch device. 2,546,365, Mar. 27.

Levy, Gustave, East Orange, assignor to National Union Radio Corporation, Orange, N. J. Target assembly for cathode-ray tubes. 2,546,828, Mar. 27.

Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Driver unit for loudspeakers. 2,546,343, Mar. 27.

Levy, Sidney E., Brooklyn, assignor to University Loudspeakers, Inc., New York, N. Y. Magnet structure. 2,546,344, Mar. 27.

Lewis, Daniel W., assignee: *See*—
Bowzer, Augustus M.

Lewis, Davis E., Arcola, La. Combination agricultural implement. 2,546,461, Mar. 27.

Lewis, Harold A.: *See*—
Bickel, Ferdinand D., Earich, and Lewis.

Lewis, William H., Altadena, assignor to Standard Steel Corporation, Los Angeles, Calif. Loader conveyer. 2,546,512, Mar. 27.

Lighting Specialties, Inc., assignee: *See*—
Vogel, William E.

Lindae, Eola A., administratrix de bonis non and assignee: *See*—
Lindae, William H.

Lindae, William H., deceased, by E. A. Lindae, administratrix de bonis non, St. Louis, Mo., said W. H. Lindae assignor of one-half to E. Lindae and one-half to J. P. Pohrer, Switch. 2,546,366, Mar. 27.

Lindler, George B., assignee: *See*—
Dick, Robert T.

Lindstaedt, Frank F., San Anselmo, and C. R. Fischer, Corte Madera, said Fisher assignor to S. A. Melbostad, San Francisco, Calif. Bag filling and weighing machine. 2,546,193, Mar. 27.

Link, Harry W., Merion Station, Pa. Control for telemotors. 2,546,462, Mar. 27.

Little, Arthur D., Inc., assignee: *See*—
Eaton, Samuel E.

Livadas, Louis, Springfield, Ohio. Pouring stopper for bottles. 2,546,194, Mar. 27.

Llanso, Francisco J., Westwood, N. J. Draft calculator. 2,546,641, Mar. 27.

Loane, Clarence M., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricants. 2,546,552, Mar. 27.

Lofgren, Bruce G., Denver, Colo. Foot measuring device. 2,546,161, Mar. 27.

Loftus, George H., Ridgewood, N. J., assignor to Radium Chemical Company Inc., New York, N. Y. Radium nasopharyngeal applicator. 2,546,761, Mar. 27.

Logan Laboratories, Inc., assignee: *See*—
Christina, Vincent.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Measured service telephone system. 2,546,605, Mar. 27.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combined line and metering relay and associated circuits. 2,546,644, Mar. 27.

Long, Loren M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Acylamino acetophenones and preparation thereof. 2,546,762, Mar. 27.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Variable frequency oscillator. 2,546,645, Mar. 27.

Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Cusumano, Rudolph.

Loughborough, William K., and J. M. McMillen, Madison, and L. D. Espenas, Middleton, Wis., assignors to the United States of America as represented by the Secretary of Agriculture. Drying wood. 2,546,162, Mar. 27.

Lovelady, Isaac W., Oklahoma City, Okla., assignor to Black Sivalls & Bryson, Inc., Kansas City, Mo. Method and apparatus for treating liquid mixtures. 2,546,269, Mar. 27.

Lovenston, Hans J., Detroit, Mich. Amplifying gauge. 2,546,513, Mar. 27.

Lucas, Joseph, Limited, assignee: *See*—
Laird, John A., and Morris.
Laird, John A., and Reid-Jones.
Swift, William, and Mason.
Watson, Ernest A.

Lunardi, Alexander F., Oakland, Calif. Hot chocolate dispenser. 2,546,514, Mar. 27.

Lund, Russell D., Chicago, Ill. Bowling game. 2,546,399, Mar. 27.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Latch operating mechanism for dump cars and the like. 2,546,897, Mar. 27.

Lundholm, Carl H., Stockholm, Sweden. Device on harnesses for parachutes fitted with quick release device. 2,546,763, Mar. 27.

Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Movable bulkhead structure. 2,546,646, Mar. 27.

Lustig, Hana: *See*—
Lustig, Robert and H.

Lustig, Robert and H., New York, N. Y. Medicine spoon holder. 2,546,463, Mar. 27.

Macbeth Engineering Corporation, assignee: *See*—
McBeth, Freeman M.

Macbeth, George T., Bronxville, N. Y. Mixer for gaseous or vaporized materials. 2,546,515, Mar. 27.

Magegeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Valve timer. 2,546,695, Mar. 27.

Magee Carpet Company, The, assignee: *See*—
Groat, Francis P.

Magnetic Power, Inc., assignee: *See*—
Morrison, Willard L., Jr.

Magor Car Corporation, assignee: *See*—
Lunde, Einar O.

Maher, Charles E., Chicago, Ill. Coloring textile materials. 2,546,861, Mar. 27.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic braking system with power parking valve. 2,546,367, Mar. 27.

Maitner, Oldřich, Zlin, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Method and apparatus for the production of an ornamental shoe sole welt, border, or the like, on shoe soles of rubber or the like. 2,546,553, Mar. 27.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recorder and reproducer. 2,546,829, Mar. 27.

Manning, Maxwell & Moore, Inc., assignee: *See*— Moore, George E.

Marble, Clarence, Middlesex, and C. F. Ruckdeschel, Rochester, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnet operated sealed switchboard. 2,546,647, Mar. 27.

Marburg, Edgar, Pittsburgh, Pa., assignor to United States Steel Company. Treating big-end-down ingots. 2,546,270, Mar. 27.

Margon Corporation, assignee: *See*— Wilhelm, John H.

Marinch, Donald J., Connellsville, Pa. Anchor chain washing device. 2,546,862, Mar. 27.

Mark, Walter V., Plymouth, Mich. Deodorizing method. 2,546,898, Mar. 27.

Martin, Carroll C., Baltimore, Md. Automatic deep fryer. 2,546,464, Mar. 27.

Martin, Hugh E.: *See*— Lee, John W., Martin, and Alexander.

Martin, John N.: *See*— Meadows, James L., and Martin.

Martin, Samuel M.: *See*— Hanson, Estyle D., Henning, and Martin.

Martini, Ferruccio, assignor of one-half to J. Melnick, Bronx, N. Y. Umbrella. 2,546,228, Mar. 27.

Martini, Franz J., Ferndale, Mich. Spinning type fishing reel. 2,546,465, Mar. 27.

Marzan, Peter R., assignor to Times Facsimile Corporation, New York, N. Y. Facsimile recording apparatus. 2,546,466, Mar. 27.

Masabny, Anthony N., Allston, Mass. Safety razor. 2,546,928, Mar. 27.

Mason, Ernest: *See*— Swift, William, and Mason.

Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Testing instrument for acoustic devices. 2,546,313, Mar. 27.

Mater, Peter L., Leominster, Mass. Comb. 2,546,696, Mar. 27.

Mathieson Chemical Corporation, assignee: *See*— Bandel, David. Taylor, Lorenzo D.

Matson, Raymond N., assignee: *See*— Gaffield, Ell W.

Mattix, Emory D., and C. W. Stokes, Lake Charles, La. Flow control valve. 2,546,673, Mar. 27

Mayland, Bertrand J., Bartlesville, Okla, assignor to Phillips Petroleum Company. Synthesis gas preparation. 2,546,606, Mar. 27.

McBean Research Corporation, assignee: *See*— Peck, Henry E.

McBeth, Freeman M., Harrisburg, Pa., assignor to Macbeth Engineering Corporation. Food cooking apparatus. 2,546,163, Mar. 27.

McBride, Charles B.: *See*— Whiton, Louis C., Watson, McBride, and Remington.

McBride, William M., Columbus, Ohio. Cream can opener. 2,546,467, Mar. 27.

McCarthy, Vincent J., Youngstown, assignor to The Salem Tool Company, Salem, Ohio. Coal boring head. 2,546,899, Mar. 27.

McCloskey, Arthur P., Oak Park, and E. W. Hopkins, Hinsdale, Ill., said Hopkins assignor to said McCloskey. Telephone mouthpiece sterilizing device. 2,546,229, Mar. 27.

McDermott, Henry J.: *See*— Garden, Henry B., and McDermott.

McElroy, Robert L., Belton, Tex. Reversible disk plow. 2,546,554, Mar. 27.

McHose, Harold F., Musselshell, Mont. Navigational instrument. 2,546,764, Mar. 27.

McIntosh, Donald J., and M. Smith, Detroit, Mich., said McIntosh assignor to said Smith. Chain structure. 2,546,368, Mar. 27.

McKelvey, James K.: *See*— Wyandt, John J., and McKelvey.

McKenney, Henry F., Flushing, and W. H. Newell, New York, N. Y., assignors to The Sperry Corporation. Motor control system. 2,546,271, Mar. 27.

McKim, Stanton R., assignor to Union Steel Products Company, Albion, Mich. Handling pallet or skid adapted for lifting trucks and the like. 2,546,830, Mar. 27.

McKinley, Tressa L., Temple, Tex. Invalid's bedchair. 2,546,765, Mar. 27.

McMillen, John M.: *See*— Loughborough, William K., McMillen, and Espenas.

McWilliams, Bronzell L., Barbourville, Ky. Guide for flush ball lift rods. 2,546,766, Mar. 27.

Mead, John C., Osborn, Ohio. Window awning. 2,546,607, Mar. 27.

Meadows, James L., and J. N. Martin, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Dethiolizing hydrocarbons. 2,546,345, Mar. 27.

Mefina S. A., assignee: *See*— Casas Robert, Ramon.

Melbostad, Selmar A., assignee: *See*— Lindstaedt, Frank F., and Fischer.

Melick, William E., Newark, Ohio. Alarm means for liquid temperatures. 2,546,608, Mar. 27.

Mellette, Cyril W., Middlebury, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Lipstick container. 2,546,195, Mar. 27.

Melnick, Julius, assignee: *See*— Martini, Ferruccio.

Mercier, Jean G., New York, and E. M. Greer, West Hempstead, said E. M. Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Spring controlled guide rod for the oil port valve of an accumulator. 2,546,648, Mar. 27.

Merck & Co., Inc., assignee: *See*— Kuehl, Frederick A., Jr.

Meredith, Frederick W., London, and F. R. Milson, Boreham Wood, assignors to S. Smith & Sons (England) Limited, London, England. Automatic control and indicating system for crafts. 2,546,555, Mar. 27.

Merryweather, James, Greencastle, Ind. Train controlling device. 2,546,468, Mar. 27.

Merwin, Harry H., Rutherford, and D. V. Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Article handling and sorting apparatus. 2,546,314, Mar. 27.

Mid-Continent Metal Products Company, assignee: *See*— Donner, Verne P.

Miescher, Karl: *See*— Kaegi, Hans, and Miescher.

Milhouse, Larew J., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Furnace cabinet means with combustion air feeding door structure. 2,546,674, Mar. 27.

Miller, Adolf, executor: *See*— Miller, Jacob, Sr.

Miller, Donald L., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,546,948, Mar. 27.

Miller, Emery P.: *See*— Ransburg, Harold P., Miller, and Curtis.

Miller, Fred J., and M. J. Graham, Dickinson, N. Dak. Tire rim remover with circumferentially distributed thrust. 2,546,900, Mar. 27.

Miller, Jacob, executor: *See*— Miller, Jacob, Sr.

Miller, Jacob, Sr., deceased, West Falls, N. Y.; A. and J. Miller, executors of said J. Miller, Sr. Saw with detachable cutting edge. 2,546,947, Mar. 27.

Miller, John, Wasco, Calif. Potato slicer and spreader. 2,546,767, Mar. 27.

Miller, Max B., & Co., Inc., assignee: *See*— Bankson, Ronald O.

Miller, William R., Norfolk, Va. Hanger for pipes and other fittings. 2,546,556, Mar. 27.

Millers Falls Company, assignee: *See*— Wilcox, George R.

Mills, Blair E., Lowellville, Ohio. Boiler scaling tool. 2,546,768, Mar. 27.

Milsom, Frederick R.: *See*— Meredith, Frederick W., and Milsom.

Miner, W. H., Inc., assignee: *See*— Dath, George E.

Mixson, Lawson W.: *See*— Loane, Clarence M., and Mixson.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetion system. 2,546,901, Mar. 27.

Mock, Frank C., South Bend, and E. G. Keller, Michigan City, assignors to Bendix Aviation Corporation, South Bend, Ind. Control for internal-combustion engines. 2,546,902, Mar. 27.

Modigliani, Piero, Manhasset, assignor to Johns-Manville Corporation, New York, N. Y. Glass product and making the same. 2,546,230, Mar. 27.

Mollins Machine Company Limited, assignee: *See*— Dearsley, George.

Monarch Machine Tool Co., The, assignee: *See*— Brandenburg, Stanley A. Greene, Claude E., and Lesher.

Monroe Calculating Machine Company, assignee: *See*— Britten, Edwin F., Jr. Hilder, Stuart.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich. Governed lowering power winch. 2,546,863, Mar. 27.

Moore, Robert E., Baltimore, Md., assignor to General Electric Company. Freezing tray. 2,546,769, Mar. 27.

Morey, Glen H., Terre Haute, Ind. Releasable heater support. 2,546,770, Mar. 27.

Morgenstern, Charles E.: *See*— Geldhof, Peter E., and Morgenstern.

Morin, Louis H., Bronx, N. Y. Cast on end stop for separable fastener stringers. 2,546,649, Mar. 27.

Mork, Raymond P., Needham, Mass., assignor to General Electric Company. Metal detector. 2,546,771, Mar. 27.

Morrell, Jacque C., Oak Park, Ill., assignor to the United States of America as represented by the Secretary of War, as trustee. Producing activated carbon. 2,546,903, Mar. 27.

Morris, Dennis W.: *See*— Laird, John A., and Morris.

Morris, Harold W., Bozeman, Mont. Glare shield for automobiles. 2,546,609, Mar. 27.

Morrison Company, The, assignee: *See*— Morrison, George F., and Frentzel.

Morrison, George F., and H. C. Frentzel, assignors to The Morrison Company, Milwaukee, Wis. Vise for sawing machines. 2,546,196, Mar. 27.

Morrison, George F., and H. C. Frentzel, assignors to The Morrison Company, Milwaukee, Wis. Lock device for printers' chases. 2,546,197, Mar. 27.

Morrison, Willard L., Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit power take-off. 2,546,949, Mar. 27.

Motor Wheel Corporation, assignee: *See*— Horn, Harry J.

Muddiman, Earll R., Wilkinsburg, Pa., assignor to United States Steel Company. Punching machine for sampling moving strips. 2,546,469, Mar. 27.

Mudgway, James B., Auckland, New Zealand. Skiving device for use in heel assembling. 2,546,864, Mar. 27.

Mueller Brass Co., assignee: *See*— Gray, John E.

Mueller, Herman H., assignor of one-quarter to G. L. Bowman, Ephrata, and one-eighth to J. L. Bowman, Denver, Pa. Phonograph record album. 2,546,470, Mar. 27.

Mulholland, C. B., Jr., assignee: *See*— Wilcox, Ralph R., Jr.

Mulkey, Sam, Company, assignee: *See*— Hatcher, Grant E.

Munford, Theodore W., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Annealing furnace. 2,546,697, Mar. 27.

Murray, Otis W., Forde, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color yielding elements for color photography. 2,546,400, Mar. 27.

Myers, Joseph W., assignor to Proctor Electric Company, Philadelphia, Pa. Thermostatic switch. 2,546,471, Mar. 27.

Naegeli, Werner, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Device for placing slivers into cans. 2,546,557, Mar. 27.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Freight loading apparatus. 2,546,929, Mar. 27.

Nardi, Joseph P., Detroit, Mich. Fish lure. 2,546,516, Mar. 27.

National Malleable and Steel Castings Company, assignee: *See*— Willison, Donald. Willison, Donald, and Spence.

National Supply Company, The, assignee: *See*— Young, Forrest J.

National Union Radio Corporation, assignee: *See*— Levy, Gustave.

Navy, United States of America as represented by the Secretary of the, assignee: *See*— Johnson, Walter C., and Stevenson.

Neff, James A., Berea, Ohio. Fish lure with interchangeable bodies of different character. 2,546,772, Mar. 27.

Nehring, Emil A. and W. E., Elmore, Minn. Planter frame and control therefor. 2,546,231, Mar. 27.

Nehring, Wallace E.: *See*— Nehring, Emil A. and W. E.

Nelius, Harold E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Fluid operated safety jack apparatus. 2,546,904, Mar. 27.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Anode structure for space resonant discharge devices. 2,546,773, Mar. 27.

Newell, Edward C., Derry Village, N. H. Method and apparatus for automatically making rectangular sheets of fabric. 2,546,831, Mar. 27.

Newell, William H.: *See*— McKenney, Henry F., and Newell.

Nibaud, Charles, Neuilly-sur-Seine, France. Gear shifting device. 2,546,865, Mar. 27.

Nicholson, Madison G., Jr., Snyder, and M. C. Scott, Lancaster, assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Muting system for radio receivers. 2,546,401, Mar. 27.

Nicolle, Charles, Gentilly, France. Sheet material with weakened tearing line. 2,546,698, Mar. 27.

Niederkorn, Frank N., Port Washington, Wis. Dust collector. 2,546,558, Mar. 27.

Niermeyer, Karel A., Leeuwarden, Netherlands. Magazine stove having internal air-heating chamber means. 2,546,675, Mar. 27.

Nijboer, Lambert W., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Filtration through loose filter material. 2,546,650, Mar. 27.

Niles-Bement-Pond Company, assignee: *See*— Potter, William W., and Fuller.

Nineteen Hundred Corporation, assignee: *See*— Geldhof, Peter E., and Morgenstern.

Nips, Inc., assignee: *See*— Bishop, Harold R.

Nitenson, Edward, San Luis Obispo, Calif. Plateholder for cameras. 2,546,905, Mar. 27.

Nix, Marvin, Muroc, Calif. Fishing reel. 2,546,559, Mar. 27.

Nixon, Jeddy D., New Braunfels, assignor to Wilson Foundry & Machine Company, Houston, Tex. Tubing anchor. 2,546,950, Mar. 27.

Nopco Chemical Company, assignee: *See*— Ruigh, William L., and Gould. Schaaf, Kurt H.

Norman, Telfer E., Denver, Colo. Metal casting. 2,546,517, Mar. 27.

Norris, Neil S., Valley Center, Calif. Apparatus for welding thermoplastic bodies. 2,546,164, Mar. 27.

North, Thomas C., assignor to Universal Fittings & Scaffolding Company, Zellenople, Pa. Sidewalk bridge scaffold. 2,546,676, Mar. 27.

Norton Company, assignee: *See*— Watson, George R.

Norway, Harold L., Evanston, assignor to The Bastian-Blessing Company, Chicago, Ill. Liquid level gauge. 2,546,832, Mar. 27.

Oakley, Sterling A., Lincolnwood, Ill., assignor to Hotpoint Inc. Electric heater. 2,546,315, Mar. 27.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Fish beheading machine. 2,546,346, Mar. 27.

Oberman, Roelof M. M., The Hague, Netherlands. Start-stop repeater. 2,546,369, Mar. 27.

Obie, Ann Y., assignee: *See*— Browning, John W.

Obie, Edwin, assignee: *See*— Browning, John W.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Floor rack. 2,546,651, Mar. 27.

O'Connor, Joseph F., Milan, Ohio. Drag and disk trailer. 2,546,472, Mar. 27.

Oehler, William P.: *See*— White, Charles H., and Oehler.

O'Farrell, Frank, and L. J. Delson, Long Beach, Calif. Cothes hanger with container for moth repellent. 2,546,518, Mar. 27.

Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Liquid fuel burner, atomizing type. 2,546,402, Mar. 27.

Ohio Ferro-Alloys Corporation, assignee: *See*— Vignos, James C.

Ohlemeyer, Walter F., El Paso, Tex. Firearm holster. 2,546,774, Mar. 27.

Olin Industries, Inc., assignee: *See*— Woodring, William B., and Reinhardt.

Oliver Iron and Steel Corporation, assignee: *See*— Overly, Charles D.

Olsen, C. A., Manufacturing Company, The, assignee: *See*— Milhouse, Larew J. Ritter, Alden J.

Olson, Oliver L., Camas, Wash. Spinner type ball game. 2,546,775, Mar. 27.

Ophthalmix, assignee: *See*— Barile, Henry C.

Ortusi, Antoine J.: *See*— Gutton, Henri, and Ortusi.

Ostendorf, Bernard, Jr., Stamford, Conn., and W. T. Rea, Manhasset, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Azimuth indicating circuit. 2,546,370, Mar. 27.

Overly, Charles D., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Apparatus for arranging and delivering bolts or the like. 2,546,866, Mar. 27.

Owen, William L.: *See*— Wadsworth, Daniel V., and Owen.

Owens, James W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Vehicle underframe and fabrication of members thereof. 2,546,232, Mar. 27.

Packard Motor Car Company, assignee: *See*— Ferguson, James R.

Pacurar, George, Montreal, Quebec, Canada. Switch signaling means. 2,546,610, Mar. 27.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Speed regulating mechanism. 2,546,611, Mar. 27.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor regulator. 2,546,612, Mar. 27.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Controlling apparatus. 2,546,613, Mar. 27.

Paine, Howard S., Dobbs Ferry, N. Y., and M. F. Hughes, Jersey City, N. J., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Handling sugar. 2,546,179, Mar. 27.

Palace Corporation, assignee: *See*— Arehart, David D.

Palmgren, Per G., assignor to SKF Industries, Inc., Philadelphia, Pa. Spinning spindle assembly. 2,546,473, Mar. 27.

Pankonin, Edward R., Newington, Conn. Ski rack. 2,546,233, Mar. 27.

Parke, Davis & Company, assignee: *See*— Long, Loren M.

Parrett, Arthur N.: *See*— Holloway, Judson H., Tabke, and Parrett.

Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Polymerization in the presence of a double fluoride catalyst. 2,546,930, Mar. 27.

Patten, Robert A., Seattle, Wash. Mechanism for sugarcane harvesting. 2,546,165, Mar. 27.

Paull, Harvey C., assignee: *See*— Kurtz, Raymond W.

Peck, Alvin W.: *See*—
Garretson, Owen L., and Peck.

Peck, Henry E., Fairport, assignor to McBean Research Corporation, Rochester, N. Y. Method and apparatus for drying gelatinous material. 2,546,867, Mar. 27.

Pedersen, Hans V. F., Copenhagen, Denmark. Controlling cam. 2,546,560, Mar. 27.

Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,546,234, Mar. 27.

Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,546,235, Mar. 27.

Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Conversion of hydrocarbons using ammonium iodide catalyst. 2,546,272, Mar. 27.

Pendleton, Clyde D., Eugene, Oreg. Pressure responsive device. 2,546,403, Mar. 27.

Peracca, Alfred P., assignee: *See*—
Floyd, Ray H.

Perlson, Philip, Milwaukee, Wis. Coat hanger attachment. 2,546,198, Mar. 27.

Peters-Dalton, Inc., assignee: *See*—
Fenn, Orrin E.

Peterson, Edward W., Detroit, Mich. Antibacklash attachment for fishing reels. 2,546,776, Mar. 27.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronization of pulse communication systems. 2,546,316, Mar. 27.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Generation of pulses of alternately opposite polarities. 2,546,371, Mar. 27.

Petivan, Arthur J., Jr.: *See*—
Thiac, Lillian M., and Petivan.

Petrilli, Santy C., assignor to General Candy Corporation, Chicago, Ill. Article transfer mechanism. 2,546,951, Mar. 27.

Peyrot, Pierre P., and P. J. Chevalier, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Manufacturing asbestos-containing material. 2,546,474, Mar. 27.

Pfarrwaller, Erwin J., assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Mechanism for starting and stopping weaving looms. 2,546,833, Mar. 27.

Pfau, Harry, Kenosha, Wis. Combination bed and seat equipment for automobiles. 2,546,834, Mar. 27.

Pfefferkorn, Frederick F., Washington, D. C. Food container. 2,546,166, Mar. 27.

Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Making closed cell cellular soft rubber sheet by single vulcanization and external gassing. 2,546,868, Mar. 27.

Pflueger, John L., New Orleans, La. Advertising apparatus. 2,546,236, Mar. 27.

Philco Corporation, assignee: *See*—
Curtiss, George E., Jr.

Phillips Control Corporation, assignee: *See*—
Wasserlein, Henry G.

Phillips Petroleum Company, assignee: *See*—
Fryling, Charles F., and Reynolds.
Garretson, Owen L., and Peck.
Harbison, Lynn.
Mayland, Bertrand J.
Tucker, Charles M.
Vance, Frank P., Jr.

Pierce, Abel E., Wayne, Mich. Supplement rear gun sight. 2,546,777, Mar. 27.

Pinckert, Carl W., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Web tensioning mechanism for printing presses. 2,546,372, Mar. 27.

Pistey, John M., Fairfield, Conn., assignor to General Electric Company. Socket switch for tubular lamps. 2,546,778, Mar. 27.

Pitcher, Denzil F., and R. A. Dewey, Alto, Mich. Loading attachment for tractors and the like. 2,546,199, Mar. 27.

Plati, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Pyridindeneś and their manufacture. 2,546,652, Mar. 27.

Plati, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Chlorinated derivatives of 1-pyridindene and their preparation. 2,546,653, Mar. 27.

Podnar, Mike, Ankeny, Iowa. Combined wagon box and rack. 2,546,519, Mar. 27.

Pohrer, Joseph P., assignee: *See*—
Lindae, William H.

Poittevin, Maurice D., Meudon, France. Movable diaphragm for radioscopic apparatus. 2,546,699, Mar. 27.

Polcyn, Bernard H., Milwaukee, Wis. Colostomy appliance. 2,546,779, Mar. 27.

Pollak, Joseph, Corporation, assignee: *See*—
Hasselbaum, Oscar H.

Polson, Miles O., Flagstaff, Ariz. Can opener and sealing closure. 2,546,561, Mar. 27.

Poole, Ralph, London, England. Apparatus for detecting explosive gases. 2,546,273, Mar. 27.

Popoli, Vincent J., Ayer, Mass. Reel for motion-picture film. 2,546,146, Mar. 27.

Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool. 2,546,520, Mar. 27.

Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Manufacture of nitriles and amides. 2,546,521, Mar. 27.

Power Jets (Research and Development) Limited, assignee: *See*—
Alcock, John F.
Barr, Richard H. H.

Power Jets (Research & Development) Limited, assignee: *See*—
Darling, Robert F.

Prat-Daniel Corporation, assignee: *See*—
Whiton, Louis C., Watson, McBride, and Remington.

Prejean, Luke, Baton Rouge, La. Shoe upper guard. 2,546,780, Mar. 27.

Prel Incorporated, assignee: *See*—
Wood, Geoffrey H., and Ward.

Prentice, Thomas G., Detroit, Mich. Fishing lure. 2,546,614, Mar. 27.

Prescott, Charles H., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Multiple chisel structure for disintegrating and removing incrustations from interior walls of receptacles. 2,546,700, Mar. 27.

Presstite Engineering Company, The, assignee: *See*—
Sussenbach, Paul.

Pritchard, Gordon J., Halewood, Liverpool, assignor to Ward Blenkinsop & Company Limited, London, England. Derivatives of disubstituted methane compounds and making them. 2,546,274, Mar. 27.

Prizer, Eugene L., San Diego, assignor of one-fourth to M. Ferguson, Compton, and one-fourth to J. A. Prizer Fullerton, Calif. Apparatus for supplying soluble treating agents to flowing water. 2,546,317, Mar. 27.

Prizer, John A., assignee: *See*—
Prizer, Eugene L.

Prochazka, Bretislav J., Jackson Heights, N. Y. Vehicle signal light. 2,546,404, Mar. 27.

Proctor Electric Company, assignee: *See*—
Myers, Joseph W.

Products Manufacturing Co., Inc., assignee: *See*—
Herrick, Percy H.

Propheter, William J., Sterling, Ill. Hay loading machine. 2,546,562, Mar. 27.

Pruger, Theodore A.: *See*—
Sheridan, Claude M., and Pruger.

Przybylski, Daniel F., Winona, Minn. Variable-speed reduction unit. 2,546,869, Mar. 27.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Beezhold, Christian J.

Quackenbush, Edward W., Chicago, Ill. Adhesive applying machine. 2,546,522, Mar. 27.

Qvefander, Thor G., Karhula, Finland, assignor to A. Ablstrom Osakeyhtio, Karhula Bruk. Contrivance for determining the degree of beating of fiber mass suspensions. 2,546,654, Mar. 27.

Radio Corporation of America, assignee: *See*—
Anderson, Warren A.
Branson, Harry.
Garner, Lloyd P.
Hart, Stephen V.
Stribling, Stiles C., Jr.
Trevor, Bertram A.

Radium Chemical Company Inc., assignee: *See*—
Loftus, George H.

Ransburg Electro-Coating Corp., assignee: *See*—
Ransburg, Harold P., Miller, and Curtis.

Ransburg, Harold P., E. P. Miller, and N. Curtis, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Apparatus for spray coating articles in an electrostatic field. 2,546,701, Mar. 27.

Rape, Robert F., assignor to The Fleming Steel Company, New Castle, Pa. Operating and locking mechanism for canopy doors. 2,546,932, Mar. 27.

Rauglas, Gerard, Chicago, Ill. Safety razor. 2,546,405, Mar. 27.

Rauglas, Gerard, Chicago, Ill. Razor blade. 2,546,406, Mar. 27.

Ray, John W., Nashville, Tenn. Drill carriage assembly. 2,546,957, Mar. 27.

Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer for handling tacky material. 2,546,318, Mar. 27.

Rayburn, Vincent A., and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer unloader. 2,546,373, Mar. 27.

Rayburn, Vincent A., and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 2,546,374, Mar. 27.

Rayonier Incorporated, assignee: *See*—
Holloway, Judson H., Tabke, and Parrott.

Raytheon Manufacturing Company, assignee: *See*—
Coffin, David D., and Cook.
Hall, William M.
Rich, Stanley R.
Spencer, Percy L.

Rea, Wilton T.: *See*—
Ostendorf, Bernard, Jr., and Rea.

Ready, Ralph K., Saginaw, Mich. Glass particle dispensing device. 2,546,702, Mar. 27.

Reconstruction Finance Corporation, assignee: *See*—
Frieder, Leonard P., and Finken.

Redding, Daniel, P., Kansas City, Mo. Instrument adapted to compare heat areas for determining subluxations. 2,546,275, Mar. 27.

Redding, Daniel P., Kansas City, Mo. Instrument for determining subluxations in the spine of a patient. 2,546,276, Mar. 27.

Reed Roller Bit Compay, assignee: *See*—
Boice, Elvin G.

Refined Syrups & Sugars, Inc., assignee: *See*—
Paine, Howard S., and Hughes.
Wadsworth, Daniel V., and Owen.

Rehfeld, George W., Manhattan, Kans. Smoking device. 2,546,237, Mar. 27.

Reid-Jones, John W.: *See*—
Laird, John A., and Reid-Jones.

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Lighter. 2,546,615, Mar. 27.

Reinhardt, Otto K.: *See*—
Woodring, William B., and Reinhardt.

Remington, Franklin: *See*—
Whiton, Louis C., Watson, McBride, and Remington.

Remington Rand Inc., assignee: *See*—
Roggenstein, Edwin O.
Visone, Joseph J.

Rengel, Victor, Miami, Fla. Game board for simulated racing. 2,546,347, Mar. 27.

Republic Flow Meters Company, assignee: *See*—
Smoot, Charles H.

Republic Steel Corporation, assignee: *See*—
Wyandt, John J., and McKelvey.

Reynolds, Frank F., Houston, Tex. Marsh vehicle. 2,546,523, Mar. 27.

Reynolds, William B.: *See*—
Fryling, Charles F., and Reynolds.

Rheeling, Victor S., Princeton, Ill. Dual-purpose vehicle wheel splash guard. 2,546,781, Mar. 27.

Rich, Stanley R., Cambridge, Mass., assignor to Raytheon Manufacturing Company. Electrical system for indicating relative phase displacement. 2,546,407, Mar. 27.

Richards, John C., Champaign, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibition of acrylonitrile polymerization. 2,546,238, Mar. 27.

Richartz, Paul-J. M., assignor to J. Bolsey, New York, N. Y. External flash synchronizing attachment for camera shutters. 2,546,319, Mar. 27.

Riddell, Grace E.: *See*—
Brenner, Abner, Burkhead, and Riddell.

Riggs, Florida L., Gilcrest, Colo. Insole-type appliance. 2,546,408, Mar. 27.

Rile-Coe Filter Process, Inc., assignee: *See*—
Coe, Mayne R.

Rippere, Robert O., Massapequa, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code recording control circuit. 2,546,835, Mar. 27.

Ritter, Alden J., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Vent means for oil-burning furnaces. 2,546,409, Mar. 27.

Rives, Walter L., Jacksonville, Fla. Pulley. 2,546,782, Mar. 27.

Rizzo, Charles C.: *See*—
Rizzo, Frank R., and C. C.

Rizzo, Frank R., La Grange, and C. C. Rizzo, Chicago, Ill. Filler plug for pocket lighters. 2,546,475, Mar. 27.

Robson, Duer C.: *See*—
Rayburn, Vincent A., and Robson.

Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Take-up apparatus. 2,546,637, Mar. 27.

Rockwell, Edward A., Cleveland, Ohio. Compensator valve. 2,546,677, Mar. 27.

Rockwell, Edward A., Cleveland, Ohio. Pressure responsive valve device. 2,546,678, Mar. 27.

Rodgers, Frederick, St. James, N. Y. Cylinder and concave mill with material return paddle. 2,546,679, Mar. 27.

Rodin, Fred M.: *See*—
Rodin, Theresa M. and F. M.

Rodin, Theresa M. and F. M., Honolulu, Oahu, Territory of Hawaii. Hula skirt. 2,546,563, Mar. 27.

Roemke, Henry C., Fort Wayne, Ind., assignor to General Electric Company. Speed control system for direct-current motors. 2,546,783, Mar. 27.

Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., New York, N. Y. Punch tape sensing condenser. 2,546,784, Mar. 27.

Rop-Loc Products Co., assignee: *See*—
Zoppelt, Samuel.

Rose, Edward J., assignee: *See*—
Rose, Harry J.

Rose, Harry J., Three Rivers, Mich., assignor, by mesne assignments, to E. J. Rose, Wilmington, Ohio. Heating apparatus. 2,546,785, Mar. 27.

Roselyn, Leo, San Francisco, Calif. Demountable showcase. 2,546,564, Mar. 27.

Rostrom, Douglas W., assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Sintering titanium and like metals. 2,546,320, Mar. 27.

Rothschild, Siegfried, London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing zinc sulfide phosphor. 2,546,239, Mar. 27.

Rotor Power Units Limited, assignee: *See*—
Fry, Andrew and F. A.

Rowe, Elbert E., Clearwater, assignor to W. H. Armston Company, Inc., Dunedin, Fla. Grubbing machine. 2,546,786, Mar. 27.

Rowe Manufacturing Co., Inc., assignee: *See*—
Gabrielsen, Christian.

Rubatex Products, Inc., assignee: *See*—
Pfleumer, Hans.

Ruckdeschel, Carl F.: *See*—
Marble, Clarence, and Ruckdeschel.

Ruggles, David M., Mount Tabor, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,546,321, Mar. 27.

Ruigh, William L., Summit, N. J., and D. H. Gould, Hickory Hill, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Producing 7-dehydrosterols. 2,546,787, Mar. 27.

SKF Industries, Inc., assignee: *See*—
Palmgren, Per G.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Shields, Albert F.

Sabit, Vahdi, assignee: *See*—
Fenari, Sükrü.

Salem Tool Company, The, assignee: *See*—
McCarthy, Vincent J.

Saloschin, Robert L., New York, N. Y. Aircraft flight determining instrument. 2,546,836, Mar. 27.

Salvin, Victor S.: *See*—
Hart, William J., and Salvin.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America. Acid-fading inhibition using dibenzylethylenediamine. 2,546,167, Mar. 27.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America. Emulsion process. 2,546,169, Mar. 27.

Samuels, Harold L., New York, N. Y. Sound-illustrated book. 2,546,680, Mar. 27.

Sasgen, Anthony M., Chicago, and F. P. Hopfeld, Elmwood Park, assignors to Grand Specialties Company, Chicago, Ill. Screw-actuated vise having releasable nut for quickly opening or closing the jaws. 2,546,906, Mar. 27.

Sautter, Herman R.: *See*—
Weiss, Karl, and Sautter.

Sayers, James, Birmingham, assignor to English Electric Valve Company Limited, Chelmsford, England. High-frequency electrical oscillator. 2,546,870, Mar. 27.

Scanlan, Thomas A., Lakewood, assignor to The Eastern Malleable Iron Company, Cleveland, Ohio. Automobile door lock. 2,546,703, Mar. 27.

Schaaf, Kurt H., Jamaica, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Production of 7-dehydrosterols. 2,546,788, Mar. 27.

Schaaff, Louis W., Jackson Heights, assignor to Waldes Koh-i-noor, Inc., Long Island City, N. J. Tool for handling open-ended spring retaining rings. 2,546,616, Mar. 27.

Schaerer, August A.: *See*—
Arabian, Karekin G., and Schaerer.

Schefe, Frederick K., Gary, Ind., assignor to United States Steel Company. Differential conveyer. 2,546,476, Mar. 27.

Schick, John W.: *See*—
Hartough, Howard D., and Schick.

Schielke, Alfred E., Cranbury, N. J. Educational device. 2,546,789, Mar. 27.

Schipplock, Charles J., assignor to Crane Co., Chicago, Ill. Gauging and alignment device for fittings, by light projection. 2,546,524, Mar. 27.

Schittelbauer, Anthony: *See*—
Bauer, Joseph, and Schittelbauer.

Schleter, George C., and H. R. Senf, Washington, D. C. Radio echo system for aircraft. 2,546,170, Mar. 27.

Schley, Laura W., Miami, Fla. Chair having vertically adjustable footrest. 2,546,871, Mar. 27.

Schlicksupp, Theodore F., Long Island City, N. Y. Rectilinear-motion ball-bearing unit. 2,546,375, Mar. 27.

Schlossberg, Joseph, assignee: *See*—
Baird, Harry D.

Schmid, Max, Riehen, and H. Johner, assignors to Ciba Limited, Basel, Switzerland. Hydroxy-compounds of the benzoxanthene series and making same. 2,546,872, Mar. 27.

Schneider, Dana J., Painesville, Ohio. Hydraulic unit comprising reservoir, pump, and valve. 2,546,565, Mar. 27.

Schuler, Frederic W.: *See*—
Steahly, Frank L., Stoughton, and Schuler.

Schuman, Charles E., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Service head fitting. 2,546,348, Mar. 27.

Schwandt, Howard V., Weston, Oreg. Straight-line swinging saw. 2,546,277, Mar. 27.

Schweizer, Herbert H., Fort Collins, Colo. Bottle cap. 2,546,566, Mar. 27.

Schwendner, Anthony F., Ridley Park, and O. N. Bryant, Prospect Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant system. 2,546,410, Mar. 27.

Scott, Maxwell C.: *See*—
Nicholson, Madison G., Jr., and Scott.

Scovill Manufacturing Company, assignee: *See*—
Clemmons, Herbert D.

Scoville, Loren P., Yonkers, assignor to The Texas Company, New York, N. Y. Apparatus for distillation of gasoline containing hydrocarbon fractions. 2,546,349, Mar. 27.

Searer, Harold J., Akron, Ohio. Combination sealing disk and nipple holder for nursing units. 2,546,681, Mar. 27.

Seneca Falls Machine Company, assignee: *See*—
Ashton, Richard A.

Senf, Henry R.: *See*—
Schleter, George C., and Senf.

Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detecting system for looms. 2,546,617, Mar. 27.

Servel, Inc., assignee: *See*—
Berry, Norton E.

Sewell, Nathan R., Jr., Raleigh, N. C. Clay bodies and producing same. 2,546,477, Mar. 27.

Shaffer, Chester E., Arlington, N. J., and A. B. Fischer, Jr., Wilkinsburg, assignors to Koppers Company, Inc., Pittsburgh, Pa. Stoking apparatus ash removal means. 2,546,171, Mar. 27.

Shaler, Saul, Jackson Heights, N. Y. Adjustable handdrill. 2,546,655, Mar. 27.

Shapiro, Joseph, assignee: *See*—
Wixon, Paul E., and Chapman.

Shell Development Company, assignee: *See*—
Arabian, Karekin G., and Schaerer.
Davey, William.
De Nie, Willem L. J., and de Nooijer.
Nijboer, Lambert W.

Sheridan, Claude M., New Kensington, and T. A. Pruger, Creighton, assignors to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Alloy for use as a pot or container for molten light metals. 2,546,525, Mar. 27.

Sherwood, Raymond E., Twin Falls, Idaho. Earth-moving machine. 2,546,907, Mar. 27.

Sherwood, Walter N., Eagle Bridge, N. Y. Pulp beater. 2,546,376, Mar. 27.

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Carton taping machine with steam moistener for the tape. 2,546,873, Mar. 27.

Shirley, Harry C., assignor to R. W. Williams, Oakland, Calif. Device to clean Venetian blind slats. 2,546,526, Mar. 27.

Shoe Form Co., Inc., assignee: *See*—
Goodfellow, Isaac and De Witt.

Shoobert, George W.: *See*—
Carington, Charles M., Shoobert, and Blight.

Shook, Celo K., Berea, Ohio. Automobile pen and chair for children. 2,546,790, Mar. 27.

Siegrist, Nelson J., Neosho, Mo. Lining for coffee making instrumentalities. 2,546,874, Mar. 27.

Sims, Lillian, Brooklyn, N. Y. Hideaway skirt for kitchen sinks. 2,546,478, Mar. 27.

Sinclair Refining Company, assignee: *See*—
Pelzer, Harry L.

Sindelar, Joseph, assignor of one-half to J. Ferguson, Dover, Idaho. Winding machine. 2,546,908, Mar. 27.

Singer Manufacturing Company, The, assignee: *See*—
Breul, Fredric W.
Hale, Arthur N.

Skene, Roy W., Rouyn, Quebec, Canada. Sound reproducing system. 2,546,278, Mar. 27.

Slaymaker, William H. G., Holland, Ohio. Wheel attachment for vehicle jacks. 2,546,909, Mar. 27.

Slifkin, Sam C., Binghamton, and J. Sulich, Jr., Endicott, assignors to General Aniline & Film Corporation, New York, N. Y. Masking the odor of ammonia in developing diazotypes. 2,546,791, Mar. 27.

Sloatman, William S., Jr.: *See*—
Wohnsiedler, Henry P., and Sloatman.

Smith Cannery Machines Company, assignee: *See*—
Oates, Norford L.

Smith, Edward P., and M. S. Johnson, assignors to Illinois Railway Equipment Company, Chicago, Ill. Pipe anchor. 2,546,792, Mar. 27.

Smith & Enander, assignee: *See*—
Enander, Arthur G.

Smith, George E., Binghamton, N. Y. L-type binding guide. 2,546,172, Mar. 27.

Smith, Mitchell: *See*—
McIntosh, Donald J., and Smith.

Smith, Phillip H., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced to unbalanced coupling. 2,546,322, Mar. 27.

Smith, S., & Sons (England) Limited, assignee: *See*—
Meredith, Frederick W., and Milsom.

Smith, Stanley S., Mount Kisco, N. Y. Device for making piecrusts. 2,546,656, Mar. 27.

Smith, Warren K.: *See*—
Swanson, Ralph L., and Smith.

Smoot, Charles H., assignor to Republic Flow Meters Company, Chicago, Ill. Instrument for measuring physical conditions. 2,546,657, Mar. 27.

Smyth, Harold E., Millville, assignor to Bachmann Uxbridge Worsted Corporation, Uxbridge, Mass. Tacker. 2,546,527, Mar. 27.

Snavely, Joseph W. Hales Corners, assignor to Chain Belt Company, Milwaukee, Wis. Impact cushioning idler. 2,546,200, Mar. 27.

Snyder, Charles, East Orange, N. J. Planetary unit. 2,546,173, Mar. 27.

Snyder, Eugene L., Fort Lauderdale, Fla., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,546,910, Mar. 27.

Snyder, John R., Bakersfield, Calif. Bobby pin opener. 2,546,528, Mar. 27.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Collardeau, Georges, and Fluchaire.
Peyrot, Pierre P., and Chevalier.

Societe Nobel Francaise, assignee: *See*—
Talet, Pierre A.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Badertscher, Darwin E., and King.
Bergstrom, Eric V.
Evans, Louis P.
Hartough, Howard D., and Schick.

Sodano, Pasquale A., Madison, N. J. Evaporative and capillarity tower. 2,546,479, Mar. 27.

Sodomka, Joseph E., Racine, Wis. Moisture removing means for the inker of lithographic presses and the like. 2,546,793, Mar. 27.

Sole, William C., Bristow, Okla. Oscillating sheave support. 2,546,794, Mar. 27.

Solomon, Nathan L., Englewood, N. J. Package of trays. 2,546,875, Mar. 27.

Soules, James A.: *See*—
Swisher, Joseph R., and Soules.

Spangler, Eugene A., Los Angeles, Calif. Hammock. 2,546,350, Mar. 27.

Speicher, Elmer, Birmingham, Mich. Truing and balancing device for a face type diamond grinding wheel. 2,546,529, Mar. 27.

Spence, Hubert L.: *See*—
Williamson, Donald, and Spence.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,546,952, Mar. 27.

Sperry Corporation, The, assignee: *See*—
Harris, Herbert, Jr.
Hume, William G.
Johnson, Montgomery H.
McKenney, Henry F., and Newell.

Sperry Products, Inc., assignee: *See*—
Drake, Harcourt C.

Squlers, Merrill D., Kalamazoo, Mich. Water motor. 2,546,240, Mar. 20.

Squlers, Merrill D., Kalamazoo, Mich. Oscillating lawn sprinkler. 2,546,241, Mar. 27.

Stahl, Thomas J., Long Beach, Calif. Arm and wheel for lawn mowers. 2,546,279, Mar. 27.

Standard Cap and Seal Corporation, assignee: *See*—
Zimmermann, Willy E.

Standard Motor Company Limited, The, assignee: *See*—
Grinham, Edward G., and Turner.

Standard Oil Company, assignee: *See*—
Loane, Clarence M., and Mixon.

Standard Steel Corporation, assignee: *See*—
Lewis, William H.

Standard Steel Spring Company, assignee: *See*—
Cupps, Clyde.

Steahly, Frank L., and R. W. Stoughton, Oak Ridge, Tenn., and F. W. Schuler, Madison, Wis., assignors to the United States of America as represented by the United States Atomic Energy Commission. Dissolving thorium values. 2,546,933, Mar. 27.

Steckbauer, Joseph W., Manitowoc, Wis. Radiant toaster. 2,546,795, Mar. 27.

Steelcraft Boats, Incorporated, assignee: *See*—
Ventura, Gerard V.

Steen-Johnson, Hall, Greensburg, assignor to Elliott Company, Jeannette, Pa. Flyweight mounting for governors. 2,546,911, Mar. 27.

Stein, Peter W., assignor of one-half to A. F. Formato, Chicago, Ill. Fishing rod holder. 2,546,280, Mar. 27.

Sterling Drug Inc., assignee: *See*—
Surrey, Alexander R.

Stevenson, William D., Jr.: *See*—
Johnson, Walter C., and Stevenson.

Stinson, Robert E., Galion, Ohio. Two-part clamp for attaching illuminating means to gun sights. 2,546,242, Mar. 27.

Stokes, Charles W.: *See*—
Mattix, Emory D., and Stokes.

Stonecipher, William D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Insecticidal composition containing a polychloro p-menthane. 2,546,174, Mar. 27.

Stonecipher, William D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Insecticidal composition containing a polychloro p-menthane. 2,546,175, Mar. 27.

Stonecipher, William D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Insecticidal composition containing a polychloro p-menthane. 2,546,176, Mar. 27.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Toggle-acting collet. 2,546,351, Mar. 27.

Stoughton, Raymond W.: *See*—
Steahly, Frank L., Stoughton and Schuler.

Strawinski, Jay F., Philadelphia, Pa. Laminating polyvinyl alcohol film to paper and product. 2,546,705, Mar. 27.

Street, Kenneth, Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Zirconium-hafnium separation process. 2,546,953, Mar. 27.

Stribling, Stiles C., Jr., Moorestown, N. J., assignor to Radio Corporation of America. Paralleled amplifier circuits. 2,546,837, Mar. 27.

Strobo Research, assignee: *See*—
Farber, Edward R.

Sulich, John, Jr.: *See*—
Slifkin, Sam C., and Sulich.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Pfarrwaller, Erwin J.

Surface Combustion Corporation, assignee: *See*—
Munford, Theodore W.

Surrey, Alexander R., Albany, assignor to Sterling Drug Inc., New York, N. Y. 7-chloro-4-[5-(N-ethyl-N-2-hydroxyethylamino)-2-pentyl] aminoquinoline, its acid addition salts, and preparation. 2,546,658, Mar. 27.

Sussenbach, Paul, assignor to The Pressstite Engineering Company, St. Louis, Mo. Expansion joint sealing filler. 2,546,659, Mar. 27.

Sutherland, Jesse H., South Gate, Calif. Hand truck, including tilting means therefor. 2,546,876, Mar. 27.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerator. 2,546,912, Mar. 27.

Svit, narodni podnik, assignee: *See*—
Kadlecik, Josef.
Korbel, Bedřich.
Majtner, Oldřich.

Swanson, Nels H., Chicago, Ill. Twist drill gauge. 2,546,934, Mar. 27.

Swanson, Ralph L., Gary, and W. K. Smith, Indianapolis, Ind., assignors to United States Steel Company. Electronic dialatometer. 2,546,796, Mar. 27.

Swartz, William L.: *See*—
Webb, George, and Swartz.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Weingardt, George C.

Sweeny, Robert D., and W. L. Coutchure, assignors to Wm. H. Cook, Toledo, Ohio, trustee. Concave bottom boat hull. 2,546,704, Mar. 27.

Swift, William, S. Coldfield, and E. Mason, Quinton, assignors to Joseph Lucas Limited, Birmingham, England. Machine for winding coils for dynamoelectric machines. 2,546,567, Mar. 27.

Swisher, Joseph R., and J. A. Soules, Decatur, Ill. Holder for garbage containers. 2,546,797, Mar. 27.

Sylvania Electric Products Inc., assignee: *See*—
Nicholson, Madison G., Jr., and Scott.

Tabke, Robert S.: *See*—
Holloway, Judson H., Tabke, and Parrett.

Talbot, Richard C., assignor to J. L. Ferguson Company, Joliet, Ill. Container sealer feeder and safety device. 2,546,281, Mar. 27.

Talet, Pierre A., assignor to Societe Nobel Francaise, Paris, France. Impregnating fiber sheets. 2,546,618, Mar. 27.

Talmey, Paul: *See*—
Landon, Richard W., Talmey, and Gutzeit.

Taltavull, Ignacio G., Barselona, Spain. Synchronous, self-excited, self-regulated electrical machine. 2,546,877, Mar. 27.

Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Flat-lock looper locking and adjusting means. 2,546,177, Mar. 27.

Tarshis, Ralph, Brooklyn, assignor of one-third to S. Lehman, New York, and one-third to D. Laub, Brooklyn, N. Y. Slide rule with flexible calibration-carrying element. 2,546,243, Mar. 27.

Tasche, Carl H., Los Angeles, Calif. Seed planter. 2,546,838, Mar. 27.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble copolymers of allylic maleates with allylic alcohols. 2,546,798, Mar. 27.

Taylor, Auburn, Charleston, W. Va. Folding table. 2,546,323, Mar. 27.

Taylor, Everett R., Piedmont, Calif. Rapid drying of lumber and other materials. 2,546,706, Mar. 27.

Taylor, Lorenzo D., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Preservation of comestible materials. 2,546,568, Mar. 27.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Telechron, Inc., assignee: *See*—
De Millar, Floyd O.

Tennessee Products & Chemical Corporation, assignee: *See*—
Kamlet, Jonas.

Texas Company, The, assignee: *See*—
Meadows, James L., and Martin.
Scoville, Loren P.

Thatcher, Robert R., Schenectady, N. Y., assignor to General Electric Company. Adjustable reference voltage system. 2,546,799, Mar. 27.

Theriault, Lucien, New Haven, Conn. Self-locking electrical connector. 2,546,201, Mar. 27.

Theriault, Raymond J., Glenside, assignor to The Budd Company, Philadelphia, Pa. Reinforcing structure for vehicle bodies, especially for railway cars. 2,546,839, Mar. 27.

Thiac, Lillian M., and A. J. Petivan, Jr., New Orleans, La. Pie lock. 2,546,800, Mar. 27.

Thompson, Wilfred G.: *See*—
Baldwin, Donald W., Thompson, and Clements.

Thorpe, Ernest H. C., Kew Gardens, assignor to C. A. V. Limited, London, England. Electric switch. 2,546,569, Mar. 27.

Times Facsimile Corporation, assignee: *See*—
Marzan, Peter R.

Tobias, Arthur R., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,546,954, Mar. 27.

Torquati, Edward, Martin's Creek, Pa. Foul weather clothesbag. 2,546,480, Mar. 27.

Townes, Edgar E., Jr., assignee: *See*—
Huinason, Granville A.

Townley, Frederick, Acton, assignor to Folding Books Limited, London, England. Picture book. 2,546,878, Mar. 27.

Townsend, Carroll S., Fair Haven, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical regulator. 2,546,481, Mar. 27.

Trevor, Bertram A., Riverhead, N. Y., assignor to Radio Corporation of America. High-fidelity pulse multiplex system. 2,546,935, Mar. 27.

Trosch, Alfred, Brigton, and W. J. F. Forward, assignors to Consolidated Machine Tool Corporation, Rochester, N. Y. Lathe. 2,546,913, Mar. 27.

Trouin, Joseph, Villeurbanne, France. Apparatus for protection against falls into space. 2,546,202, Mar. 27.

Tucker, Charles M., Phillips, Tex., assignor to Phillips Petroleum Company. Incremental addition of alkaline material in emulsion polymerization. 2,546,244, Mar. 27.

Tucker, Woodrow G., Stanfield, Oreg. Automatic or manually actuated hydraulic jack. 2,546,203, Mar. 27.

Tuft, Miles H., San Gabriel, Calif., and J. R. West, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Tripping mechanism for baling presses and the like. 2,546,324, Mar. 27.

Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,546,377, Mar. 27.

Turner, Hillary H., Berkeley, Calif. Fingernail guard. 2,546,619, Mar. 27.

Turner, Walter R., assignee: *See*—
Grinham, Edward G., and Turner.

Twelves, Elmer M.: *See*—
Labrozzi, Anthony F., and Twelves.

Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide phase shifter. 2,546,840, Mar. 27.

Union Asbestos & Rubber Company, assignee: *See*—
Lundvall, John S.
O'Connor, Arthur F.

Union Carbide and Carbon Corporation, assignee: *See*—
Hilty, Donald C.

Union Hardware Company, assignee: *See*—
Jack, Edward M.

Union Steel Products Company, assignee: *See*—
McKim, Stanton R.

Union Switch and Signal Company, The, assignee: *See*—
Butridge, James H., and Claus.

United-Carr Fastener Corporation, assignee: *See*—
Bedford, William A., Jr.
Jones, Walter I.

United Shoe Machinery Corporation, assignee: *See*—
Chandler, James D.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Prescott, Charles H., Jr.
Steahly, Frank L., Stoughton, and Schuler.
Street, Kenneth, Jr.

United States Radiator Corporation, assignee: *See*—
Emrick, Ambrose A.

United States Rubber Company, assignee: *See*—
Tawney, Pliny O.

United States Steel Company, assignee: *See*—
Block, Carl F.
Guy, Charles M.
King, Michael C.
Marburg, Edgar.
Muddiman, Earll R.
Schefe, Frederick K.
Swanson, Ralph L., and Smith.

United States Time Corporation, The, assignee: *See*—
Adduci, Raymond V.

Universal Fittings & Scaffolding Company, assignee: *See*—
North, Thomas C.

Universal Lubricating Systems, Inc., assignee: *See*—
Farrell, Richard R.

Universal Oil Products Company, assignee: *See*—
Gleim, William K. T.

University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E.

Usher, Edward M.: *See*—
Glasford, Glenn M., and Usher.

Vance, Frank P., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluidized bed reactor. 2,546,570, Mar. 27.

Van der Grinten, Lodewijk P. F., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Exposure apparatus for making photo copies. 2,546,482, Mar. 27.

Van Goethem, Désiré M. A.: *See*—
Koerber, Willem K. A., and Van Goethem.

Van Ness, Henry E., Elmira, N. Y. Rotary rake. 2,546,620, Mar. 27.

Vella, Salvatore, Albion, N. Y. Apparatus for digging and harvesting vegetables. 2,546,411, Mar. 27.

Venters, Joseph J., Oklahoma City, Okla. Telephone dial index attachment. 2,546,483, Mar. 27.

Ventura, Gerard V., West Haven, Conn., assignor to Steelcraft Boats, Incorporated. Metal boat hull. 2,546,955, Mar. 27.

Vick Chemical Company, assignee: *See*—
Jarowski, Charles I.

Vignos, James C., assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Treatment of slags. 2,546,936, Mar. 27.

Visone, Joseph J., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Stud bearing. 2,546,801, Mar. 27.

Vitroseal Corp., The, assignee: *See*—
Foster, Arnot P., and Countryman.

Voege, Harmon H., Indianapolis, Ind. Frame. 2,546,802, Mar. 27.

Vogel, William E., assignor to Lighting Specialties, Inc., Los Angeles, Calif. Frame structure and support therefor. 2,546,530, Mar. 27.

Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Hitch mechanism. 2,546,531, Mar. 27.

Wade, John B., Arcadia, Calif., assignor to Food Machinery and Chemical Corporation. Tangential angle gauge. 2,546,532, Mar. 27.

Wadsworth, Daniel V., Plandome, N. Y., and W. L. Owen, Baton Rouge, La., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Retarding yeast growth in sugar sirups. 2,546,178, Mar. 27.

Waldes Koh-i-noor, Inc., assignee: *See*—
Schaaff, Louis W.

Waldon, William J., Sr., Bakersfield, Calif. Serving table with rotatable center. 2,546,803, Mar. 27.

Wallingford, John, Perkins Mills, Quebec, Canada. Baffle type exhaust silencer. 2,546,707, Mar. 27.

War, United States of America as represented by the Secretary of, assignee: *See*—
Brenner, Abner, Burkhead, and Riddell.
Duffin, Richard J.
Morrell, Jacque C.

Ward Blenkinsop & Company Limited, assignee: *See*—
Pritchard, Gordon J.

Ward, Lawrence T.: *See*—
Wood, Geoffrey H., and Ward.

Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.

Warner, James O., assignee: *See*—
Floyd, Ray H.

Warner & Swasey Company, The, assignee: *See*—
Wetzel, Arthur D.

Warren, Reginald, Dorking, England. Variable-speed gearing. 2,546,282, Mar. 27.

Wassenaar, Benjamin M., Fulton, Ill. Hog brank. 2,546,204, Mar. 27.

Wasserlein, Henry G., Park Ridge, assignor to Phillips Control Corporation, Chicago, Ill. Through flow type solenoid valve. 2,546,325, Mar. 27.

Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H.

Waters, Daniel V.: *See*—
Merwin, Harry H., and Waters.

Watson, Ernest A., Coventry, assignor to Joseph Lucas Limited, Birmingham, England. Temperature-compensated pressure-responsive diaphragm. 2,546,571, Mar. 27.

Watson, George R., Chippawa, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Electrical heating rod and making same. 2,546,142, Mar. 27.

Watson, John E.: *See*—
Whiton, Louis C., Watson, McBride, and Remington.

Watts, Martha F., assignee: *See*—
Yeomans, Lucien I.

Weaver, Clark H., Berkeley, Calif. Vending machine for newspapers and the like. 2,546,352, Mar. 27.

Webb, George, Hartford, and W. L. Swartz, West Hartford, Conn., assignors to Colt's Manufacturing Company. Cartridge feeding device for automatic firearms. 2,546,804, Mar. 27.

Weber Dental Manufacturing Company, The, assignee: *See*—
Nelius, Harold E.

Webster, Douglas G., Falconer, N. Y. Bed table for supporting a book facing downwardly. 2,546,283, Mar. 27.

Wegman, Evert S., East Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beverage dispenser having a coin reject mechanism controlled by carbon dioxide pressure. 2,546,879, Mar. 27.

Weigel, John G., Cincinnati, Ohio. Sander. 2,546,245, Mar. 27.

Weingardt, George C., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Cover vent. 2,546,708, Mar. 27.

Weisbecker, August L., Williamstown, N. J. Electrical switch. 2,546,284, Mar. 27.

Weiss, Karl, Schnectady, and H. R. Sautter, West Albany, N. Y., assignors to General Electric Company. Coolant regulator for wet grinding wheels. 2,546,805, Mar. 27.

Wenander, Harald S., Stockholm, Sweden. Vibrating device. 2,546,806, Mar. 27.

Wenner, Wilhelm: *See*—
Platt, John T., and Wenner.

West, James R.: *See*—
Tuft, Miles H., and West.

Western Electric Company, Incorporated, assignee: *See*—
Brillhart, Samuel E.
Hanson, Estyle D., Henning, and Martin.
Merwin, Harry H., and Waters.
Rayburn, Vincent A.
Rayburn, Vincent A., and Robson.
Robson, Duer C.

Western Union Telegraph Company, The, assignee: *See*—
Blanton, William B., Currie, and Janson.
Currie, Frank L., and Blanton.

Westinghouse Electric Corporation, assignee: *See*—
Schwendner, Anthony F., and Bryant.
Wegman, Evert S.

Wetzel, Arthur D., Hudson, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,546,326, Mar. 27.

Wheeler, Henry C., Fairfield, assignor to The Acme Shear Company, Bridgeport, Conn. Grinding machine for shear blades or the like. 2,546,914, Mar. 27.

White, Charles H., and W. P. Oehler, assignors to Deere & Company, Moline, Ill. Planter marker. 2,546,412, Mar. 27.

Whiton, Louis C., and J. E. Watson, Westport, Conn., and C. B. McBride, Port Chester, and F. Remington, Oyster Bay, N. Y., assignors to Prat-Daniel Corporation, East Portchester, Conn. Apparatus for centrifugally separating suspended particles from gases. 2,546,246, Mar. 27.

Wiczer, Sol B., Washington, D. C. Making motor fuel. 2,546,180, Mar. 27.

Widerðe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Circuit for periodic introduction of electrons into an electron accelerator. 2,546,484, Mar. 27.

Wiggins, John H., Chicago, Ill. Liquid-sealed lifter roof for fluid storage apparatus. 2,546,572, Mar. 27.

Wiggins, John H., Chicago, Ill. Liquid-sealed lifter roof for fluid storage apparatus. 2,546,573, Mar. 27.

Wilcox, George R., Bernardston, assignor to Millers Falls Company, Greenfield, Mass. Hacksaw frame. 2,546,660, Mar. 27.

Wilcox, Ralph R., Jr., Pasadena, assignor to C. B. Mulholland, Jr., South Pasadena, Calif. Sprinkler valve. 2,546,574, Mar. 27.

Wilcox & Gibbs Sewing Machine Company, assignee: *See*—
Tamburro, Francis P.

Wilhelm, John H., Hamilton Beach, N. Y., assignor to Margon Corporation, Newark, N. J. Doll head with movable eyes. 2,546,682, Mar. 27.

Williams, Donald R., Dearborn, and R. B. Kizer, Melvindale, Mich. Air-cooling device. 2,546,661, Mar. 27

Williams, John E., Chicago, Ill. Key container. 2,546,413, Mar. 27.

Williams, R. W., assignee: *See*—
Shirley, Harry C.

Williamson, Boyce, Birmingham, Ala., assignor to Ingalls Shipbuilding Corporation. Bow construction for barges and the like. 2,546,353, Mar. 27.

Williamson, Thomas F. M., San Francisco, assignor to A. H. Isenberg, Woodside, Calif. Anchor for pipes. 2,546,533, Mar. 27.

Willison, Donald, Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging. 2,546,485, Mar. 27.

Willison, Donald, Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging. 2,546,486, Mar. 27.

Willison, Donald, Shaker Heights, and H. L. Spence, East Cleveland, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging. 2,546,487, Mar. 27.

Willison, Donald, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging. 2,546,488, Mar. 27.

Wilson Foundry & Machine Company, assignee: *See*—
Nixon, Jeddy D.

Wilson, John K., London, England. Shoulder pad for garments. 2,546,807, Mar. 27.

Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, as trustee. Transmission. 2,546,378, Mar. 27.

Wittmann, Joseph H., Los Angeles, Calif. Mixing receptable. 2,546,285, Mar. 27.

Wixon, Paul E., and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Paper cup making machine. 2,546,621, Mar. 27.

Wohnsiedler, Henry P., Darien, and W. S. Sloatman, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Amino-aldehyde resin plasticized with a polyvinyl acetal and a flow-promoting secondary plasticizer. 2,546,841, Mar. 27.

Wolf, William C., Potosi, Mo. Recovering barite from its native materials. 2,546,247, Mar. 27.

Wonenberg, Samuel, Buhl, Idaho. Tractor phosphate and lime distributor. 2,546,576, Mar. 27.

Wood, Geoffrey H., Toronto, Ontario, Canada, and L. T. Ward, assignors to Prel Incorporated, East Orange, N. J. Pressure dispensing device. 2,546,808, Mar. 27.

Wooding, William M., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Treating nonfibrous regenerated cellulose. 2,546,575, Mar. 27.

Woodring, William B., and O. K. Reinhardt, assignors to Olin Industries, Inc., New Haven, Conn. Dry cell and making same. 2,546,379, Mar. 27.

Wright, Silas H., Los Angeles, Calif. Combination wire wrapper and screwdriver. 2,546,489, Mar. 27.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Grupp, Otto E., Jr.

Wyandt, John J., Canton, and J. K. McKelvey, Massilon, assignors to Republic Steel Corporation, Cleveland, Ohio. Apparatus for delivering a fluid into a furnace. 2,546,937, Mar. 27.

Wynn, Arthur H. A., assignor to A. C. Cossor Limited, London, England. Electrical test apparatus. 2,546,248, Mar. 27.

Yealdhall, Mahlon H., Baltimore, Md. Boxer's head guard. 2,546,842, Mar. 27.

Yeomans, Lucien I., Chicago, Ill., assignor, by mesne assignments, to M. F. Watts. Submersible buoy. 2,546,956, Mar. 27.

Yerkes, John A., New York, N. Y. Automatic opening and closing container. 2,546,915, Mar. 27.

Yonan-Malek, Milton, assignee: *See*—
Landon, Richard W., Talmey, and Gutzeit.

Young, Forest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Crown and traveling blocks and a reeving system therefor. 2,546,683, Mar. 27.

Young, Stephen A., Delphi, Ind. Spout, hood, and mixing chamber for sanitary fixtures. 2,546,327, Mar. 27.

Young, Walter S., Tulsa, Okla. Meat block scraper. 2,546,577, Mar. 27.

Zahm, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Apparatus for concentrating liquids. 2,546,380, Mar. 27.

Zahm, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Apparatus for concentrating liquids. 2,546,381, Mar. 27.

Zakel, Paul, Stockton, Calif. Rotary beater mill with imperforate concaves, vertical baffled discharge, upper anvil plate, and air and material inlets. 2,546,286, Mar. 27.

Zelgert, Albert V., St. Paul, Minn. Wrench having pivoted outer-jaw provided with guide slot for handle-jaw extension. 2,546,287, Mar. 27.

Zigterman, Nicholas, Highland, Ind. Storm and insect netting shield for baby carriages. 2,546,843, Mar. 27.

Zimmermann, Jan H., Serbalawan, Sumatra's Oostkust, Netherlands East Indies. Bale of fibrous material and forming same. 2,546,809, Mar. 27.

Zimmermann, Willy E., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Bottle capping machine. 2,546,205, Mar. 27.

Znidarsic, Louis J., Euclid, Ohio. Venetian blind. 2,546,534, Mar. 27.

Zoppelt, Samuel, Berea, assignor to Rop-Loc Products Co., Cleveland, Ohio. Clothesline prop. 2,546,578, Mar. 27.

Zucker, Morris, East Orange, N. J. Brush carrying device for cleaning articles of clothing. 2,546,288, Mar. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Heel, Antisplash. C. O. Walpa. Re. 23,350, Mar. 27.
Staple feed mechanism for fastener applying implements. H. W. Marano. Re. 23,349, Mar. 27.
Walker. E. E. Doerschler. Re. 23,348, Mar. 27.

LIST OF DESIGN INVENTIONS

Accordion. F. H. Magnus. 162,670, Mar. 27.
Air circulator. S. B. Camiel. 162,627, Mar. 27.
Air circulator unit. J. W. Kisling. 162,663, Mar. 27.
Attachment for a handbag or the like, Glove holding. D. D. Leavy. 162,669, Mar. 27.
Attachment for garment hanger. S. L. Yett. 162,702, Mar. 27.
Bank, Money. A. G. Ball. 162,612, Mar. 27.
Blocking device for ophthalmic lenses. J. F. McCarthy. 162,673, Mar. 27.
Board, Game. R. Pellicone. 162,685, Mar. 27.
Board, Game. P. E. Wahlberg and N. V. Johnson. 162,700, Mar. 27.
Bobsled, Child's. H. McBride. 162,672, Mar. 27.
Brassière. W. Rosenthal. 162,691–2, Mar. 27.
Brassière or similar article. M. Newman. 162,681–2, Mar. 27.
Brooch or similar article. M. Kramer. 162,666, Mar. 27.
Cabinet, Kitchen. M. Hallward. 162,648–9, Mar. 27.
Cabinet, Ozone-producing and germ-killing apparatus. I. Nazon. 162,680, Mar. 27.
Cabinet, Portable inhalator. J. C. Hallisey. 162,647, Mar. 27.
Cabinet, Radio. R. D. Budlong. 162,623–4, Mar. 27.
Cabinet, Radio-television receiver and phonograph. S. E. Adler. 162,608, Mar. 27.
Camera, Roll-holding. A. H. Crapsey, Jr. 162,630, Mar. 27.
Case, Radio. M. E. and J. E. Mecate. 162,675, Mar. 27.
Casing, mirror, and lipstick, Combined. H. H. Thornton. 162,699, Mar. 27.
Casing, Parking meter. J. Teague. 162,698, Mar. 27.
Casing, Suction cleaner. H. Dreyfuss. 162,633, Mar. 27.
Casket. J. C. M. Soden. 162,695, Mar. 27.
Comb or similar article. E. E. Bullard. 162,625, Mar. 27.
Commode and lavatory, Portable. F. A. Blashfield. 162,619, Mar. 27.
Compact. P. E. Fiato. 162,640, Mar. 27.
Control panel, Television cabinet. S. E. Adler. 162,609, Mar. 27.
Cord terminal for Venetian blinds. F. L. Hooks. 162,659, Mar. 27.
Cover for a whip cream dispenser valve. F. McDermott. 162,674, Mar. 27.
Cross crimp-sealed package. L. L. Salfisberg. 162,694, Mar. 27.
Deodorizer or similar article. R. A. Munnecke. 162,679, Mar. 27.
Dish or similar article, Floating soap. J. Andriessen. 162,611, Mar. 27.
Drill press feed or the like, Automatic. D. E. and W. N. Beckett. 162,615, Mar. 27.
Fabric or the like, Narrow. S. L. Oppenheimer. 162,684, Mar. 27.
Fish lure. G. C. Stauffer. 162,696, Mar. 27.
Fishline sinker. F. P. Humphrey. 162,660, Mar. 27.
Fitting, Lavatory. P. Muller-Munk. 162,678, Mar. 27.
Game, Board. T. H. Rapoport. 162,687, Mar. 27.
Girdle. M. Imershein. 162,661, Mar. 27.
Glove. R. H. Higier. 162,656–7, Mar. 27.
Handle, Kettle. J. Morgan. 162,676, Mar. 27.
Harmonica. F. H. Magnus. 162,671, Mar. 27.
Holder, Bathroom utility. G. L. Ellis. 162,636, Mar. 27.
Holder, Combined coaster and drinking straw. H. Feldman. 162,638, Mar. 27.
Holder, Electrode. L. O. Green. 162,645, Mar. 27.
Holder, Soap. A. E. Du Bois. 162,634, Mar. 27.
Holder or similar article, Towel. M. Fox. 162,643, Mar. 27.
Housing or similar article, Vehicle lamp. L. J. Diamond. 162,631, Mar. 27.
Implement, Screen stretching. H. Kleeb. 162,664, Mar. 27.
Jacket. K. H. Barr. 162,614, Mar. 27.
Knife, Melon plugger. F. M. Ono and P. T. Oishi. 162,683, Mar. 27.
Knob, Control. T. H. Petterson. 162,686, Mar. 27.
Lamp, Adjustable fluorescent. I. Fiori. 162,639, Mar. 27.
Lawn mower, Power. H. L. Heineke. 162,654, Mar. 27.
Lighter and cigarette urn, Combined. A. F. Reilly. 162,688, Mar. 27.
Lighter, Cigarette. A. Dubsky. 162,635, Mar. 27.
Machine for dispensing strip material. A. P. Krueger. 162,667–8, Mar. 27.
Mat or similar article, Place. K. C. Hamilton. 162,650–2, Mar. 27.
Mat, Shelf cushioning. J. R. Caldwell. 162,626, Mar. 27.
Nozzle and handgrip, Combined sprayer. H. P. Heydt. 162,655, Mar. 27.
Nozzle, Spray. F. S. Rosenthal. 162,690, Mar. 27.
Plate or similar article, Decorative. H. R. Yankee and L. M. Faulconer. 162,701, Mar. 27.
Pot, Chamber. R. Aitken. 162,610, Mar. 27.
Projector. J. N. Graef. 162,644, Mar. 27.
Protector for a skate shoe. D. M. Klein. 162,665, Mar. 27.
Rack or similar article, Hosiery display. G. J. Colombo. 162,629, Mar. 27.
Rack, Paper roll. P. J. Healy. 162,653, Mar. 27.
Server, Sandwich. K. E. Bemis. 162,616, Mar. 27.
Shoe. E. Forschner. 162,642, Mar. 27.
Shoe, Lady's. E. Forschner. 162,641, Mar. 27.
Sign, Illuminable. W. L. Ernst. 162,637, Mar. 27.
Speaker and support therefor, Combined. D. G. Griffin. 162,646, Mar. 27.
Stocking. A. A. Bochner and H. Zylberberg. 162,620–1, Mar. 27.
Swing or similar article, Play. R. A. St. Louis. 162,693, Mar. 27.
Table top. R. K. Morrison. 162,677, Mar. 27.
Tire. W. F. Billingsley. 162,618, Mar. 27.
Tone arm or the like, Phonograph. C. B. Stevens. 162,697, Mar. 27.
Tool, Wire tying. H. Ackerman. 162,607, Mar. 27.
Toy amphibious motor vehicle. B. Carlin. 162,628, Mar. 27.
Toy pistol. D. Ippolito. 162,662, Mar. 27.
Training unit, Child's bathroom. D. A. Ball and H. E. Osborn. 162,613, Mar. 27.
Transformer, Electrical. J. J. Root. 162,689, Mar. 27.
Tray, Serving. W. J. Devitt. 162,632, Mar. 27.
Tricycle. D. R. Boone. 162,622, Mar. 27.
Truck body, Utility. J. H. Holan and H. J. Troche. 162,658, Mar. 27.
Umbrella, Windproof. A. P. Benivegna. 162,617, Mar. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MARCH, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid-fading inhibition using dibenzylethylenediamine. V. S. Salvin and J. R. Adams, Jr. 2,546,167, Mar. 27.
Actuator and latching mechanism, Folding leg. J. Benvissuto. 2,546,816, Mar. 27.
Acylamino acetophenones and preparation thereof. L. M. Long. 2,546,762, Mar. 27.
Adhesive applying machine. E. W. Quackenbush. 2,546,522, Mar. 27.
Adjusting a vehicle draft mechanism and bed, Relatively vertically. R. O. Bill. 2,546,491, Mar. 27.
Advertising apparatus. J. L. Pflueger. 2,546,236, Mar. 27.
Agents for coloring emulsions and dispersions, especially those of the oil in water type. A. Herlöw. 2,546,748, Mar. 27.
Air circulation control for refrigerators. E. B. Jaeger. 2,546,363, Mar. 27.
Air conditioning. N. E. Berry. 2,546,382, Mar. 27.
Air-cooling device. D. R. Williams and R. "B" Kizer. 2,546,661, Mar. 27.
Alarm means for liquid temperatures. W. E. Melick. 2,546,608, Mar. 27.
Album, Phonograph record. H. H. Mueller. 2,546,470, Mar. 27.
Alkali metal cyanates, Making. L. L. Lento, Jr., and D. W. Jayne, Jr. 2,546,551, Mar. 27.
Alloy: *See*—
Magnesium alloy.
Alloy for use as a pot or container for molten light metals. C. M. Sheridan and T. A. Pruger. 2,546,525, Mar. 27.
Amino-aldehyde resin plasticized with a polyvinyl acetal and a flow-promoting secondary plasticizer. H. P. Wohnsiedler and W. S. Sloatman, Jr. 2,546,841, Mar. 27.
Amplifier for three-phase current impulses, Electronic. G. Briggs. 2,546,628, Mar. 27.
Amplifier, Signal shaping. W. A. Anderson. 2,546,813, Mar. 27.
Amplifying gauge. H. J. Lovenston. 2,546,513, Mar. 27.
Anchor for pipes. T. F. M. Williamson. 2,546,533, Mar. 27.
Anchor, Tubing. J. D. Nixon. 2,546,950, Mar. 27.
Annealing furnace. T. W. Munford. 2,546,697, Mar. 27.
Anode for electrowinning manganese and making the same. J. Koster. 2,546,548, Mar. 27.
Anode structure for space resonant discharge devices. R. B. Nelson. 2,546,773, Mar. 27.
Antitampering electric meter. C. L. Jauss. 2,546,693, Mar. 27.
Apparatus for arranging and delivering bolts or the like. C. D. Overly. 2,546,866, Mar. 27.
Apparatus for centrifugally separating suspended particles from gases. L. C. Whiton, J. E. Watson, C. B. McBride and F. Remington. 2,546,246, Mar. 27.
Apparatus for concentrating liquids. G. G. Zahm. 2,546,380–1, Mar. 27.
Apparatus for deflecting a fuel jet towards a region of turbulence in a propulsive gaseous stream. R. F. Darling. 2,546,432, Mar. 27.
Apparatus for delivering a fluid into a furnace. J. J. Wysandt and J. K. McKelvey. 2,546,937, Mar. 27.
Apparatus for detecting explosive gases. R. Poole. 2,546,273, Mar. 27.
Apparatus for digging and harvesting vegetables. S. Vella. 2,546,411, Mar. 27.
Apparatus for distillation of gasoline containing hydrocarbon fractions. L. P. Scoville. 2,546,349, Mar. 27.
Apparatus for grinding ore. T. E. Hobensack. 2,546,506, Mar. 27.
Apparatus for handling and brightening metal. J. E. Erhardt, Jr. 2,546,538, Mar. 27.
Apparatus for handling heavy slabs and other material. T. K. Graham. 2,546,362, Mar. 27.
Apparatus for making insulation batts and boards. W. J. Kropp. 2,546,266, Mar. 27.
Apparatus for protection against falls into space. J. Trouin. 2,546,202, Mar. 27.
Apparatus for removing moisture in a refrigerating system. J. E. Gray. 2,546,594, Mar. 27.
Apparatus for shelling shrimp. J. C. Abbott. 2,546,414, Mar. 27.
Apparatus for spray coating articles in an electrostatic field. H. P. Ransburg, E. P. Miller and N. Curtis. 2,546,701, Mar. 27.
Apparatus for spraying hot dope, lacquers and other thermally thinned material. D. B. Grossman. 2,546,741, Mar. 27.
Apparatus for supplying soluble treating agents to flowing water. E. L. Prizer. 2,546,317, Mar. 27.
Apparatus for timing the passage of a liquid. F. A. Faust. 2,546,891, Mar. 27.
Apparatus for washing and sterilizing medicinal containers. V. Christina. 2,546,385, Mar. 27.
Apparatus for welding thermoplastic bodies. N. S. Norris. 2,546,164, Mar. 27.
Application of transfers to glass-, ceramic-, and other ware. P. Farrow and F. H. Honey. 2,546,360, Mar. 27.
Applicator. H. E. Curry. 2,546,214, Mar. 27.
Arch supporting device. A. Lavinthal. 2,546,827, Mar. 27.
Arm and wheel for lawn mowers. T. J. Stahl. 2,546,279, Mar. 27.
Article handling and sorting apparatus. H. H. Merwin and D. V. Waters. 2,546,314, Mar. 27.
Article transfer mechanism. S. C. Petrilli. 2,546,951, Mar. 27.
Asbestos-containing material, Manufacturing. P. P. Peyrot and P. J. Chevalier. 2,546,474, Mar. 27.
Attachment for camera shutters, External flash synchronizing. P. J. M. Richartz. 2,546,319, Mar. 27.
Attachment for curtain or drapery rods. E. J. Husarik. 2,546,601, Mar. 27.
Attachment for fishing reels, Antibacklash. E. W. Peterson. 2,546,776, Mar. 27.
Attachment for guitars, Collapsible music holding. K. Krarup. 2,546,757, Mar. 27.
Attachment for tractors and the like, Loading. D. F. Pitcher and R. A. Dewey. 2,546,199, Mar. 27.
Attachment for vehicle jacks, Wheel. W. H. G. Slaymaker. 2,546,909, Mar. 27.
Automatic control and indicating system for crafts. F. W. Meredith and F. R. Milsom. 2,546,555, Mar. 27.
Automatic freight car. F. G. Holmes. 2,546,507, Mar. 17.
Automatic opening and closing container. J. A. Yerkes. 2,546,915, Mar. 27.
Automatic or manually actuated hydraulic jack. W. G. Tucker. 2,546,203, Mar. 27.
Automatically making rectangular sheets of fabric, Method and apparatus for. E. C. Newell. 2,546,831, Mar. 27.
Automobile door lock. T. A. Scanlan. 2,546,703, Mar. 27.
Awning, Demountable. J. J. Ciciarelli. 2,546,386, Mar. 27.
Awning, Metal. A. E. Hodo. 2,546,804, Mar. 27.
Awning, Window. J. C. Mead. 2,546,607, Mar. 27.
Axe, Turpentine tin incision. M. L. Dell. 2,546,728, Mar. 27.
Azimuth indicating circuit. B. Ostendorf, Jr., and W. T. Rea. 2,546,370, Mar. 27.
Bag manufacture, Drawstring. J. Abler. 2,546,623, Mar. 27.
Balanced to unbalanced coupling. P. H. Smith. 2,546,322, Mar. 27.
Bale of fibrous material and forming same. J. H. Zimmermann. 2,546,809, Mar. 27.
Ball. P. Kassuba. 2,546,896, Mar. 27.
Ball-bearing unit, Rectilinear-motion. T. F. Schlicksupp. 2,546,375, Mar. 27.
Band applying mechanism. J. F. Crawford. 2,546,496, Mar. 27.
Bearing: *See*—
Stud bearing.
Beater mill with inperforate concaves, vertical baffled discharge, upper anvil plate, and air and material inlets, Rotary. P. Zakel. 2,546,286, Mar. 27.
Beater, Pulp. W. N. Sherwood. 2,546,376, Mar. 27.
Bed and seat equipment for automobiles, Combination. H. Pfau. 2,546,834, Mar. 27.
Bedchair, Invalid's. T. L. McKinley. 2,546,765, Mar. 27.
Bicycle coaster brake disk aligning tool. A. G. Enander. 2,546,665, Mar. 27.
Block: *See*—
Side block.
Binding guide, L-type. G. E. Smith. 2,546,172, Mar. 27.
Blasting device. F. D. Bickel, R. A. G. Earich and H. A. Lewis. 2,546,656, Mar. 27.
Boat fender and life raft, Combination. L. R. Jenkins. 2,546,396, Mar. 27.

Boat hull, Concave bottom. R. D. Sweeny and W. L. Coutchure. 2,546,704, Mar. 27.
Boat hull, Metal. G. V. Ventura. 2,546,955, Mar. 27.
Boiler scaling tool. B. E. Mills. 2,546,768, Mar. 27.
Bomb sighting device. O. Boonshoft. 2,546,145, Mar. 27.
Book, Picture. F. Townley. 2,546,878, Mar. 27.
Book, Sound-illustrated. H. L. Samuels. 2,546,680, Mar. 27.
Bottle cap. H. H. Schweizer. 2,546,566, Mar. 27.
Bow construction for barges and the like. B. Williamson. 2,546,353, Mar. 27.
Box and rack, Combined wagon. M. Podnar. 2,546,519, Mar. 27.
Box tool. K. O. Fellroth. 2,546,853, Mar. 27.
Bracket: *See*—
Radiator bracket.
Brake slack adjuster. M. S. Johnson. 2,546,753, Mar. 27.
Braking system with power parking valve, Hydraulic. L. A. Majneri. 2,546,367, Mar. 27.
Brank, Hog. B. M. Wassenaar. 2,546,204, Mar. 27.
Breaker plate assembly for distributors. S. E. Aldridge. 2,546,710, Mar. 27.
Bridge block and fastener for spectacle cases, Combined. W. I. Jones. 2,546,755, Mar. 27.
Bridging plug. G. F. Turechek. 2,546,377, Mar. 27.
Brooder, Chick. E. Berg. 2,546,536, Mar. 27.
Brush carrying device for cleaning articles of clothing. M. Zucker. 2,546,288, Mar. 27.
Brush, Surgical hand. J. G. Baumgartner. 2,546,291, Mar. 27.
Bulkhead structure, Movable. J. S. Lundvall. 2,546,646, Mar. 27.
Bunk stake equipment. E. E. Jorgensen and L. Johnson. 2,546,511, Mar. 27.
Buoy, Submersible. L. I. Yeomans. 2,546,956, Mar. 27.
Burner: *See*—
Combustion tube fluid fuel burner.
Burner system, Mobile weed. O. L. Garretson and A. W. Peck. 2,546,592, Mar. 27.
Calculator, Draft. F. J. Llanso. 2,546,641, Mar. 27.
Caliper, Micrometer. L. F. Collins. 2,546,388, Mar. 27.
Cam, Controlling. H. V. F. Pedersen. 2,546,560, Mar. 27.
Camera, Dual film. J. F. Gruben. 2,546,540, Mar. 27.
Can and rack, Garbage. J. B. Herdy. 2,546,449, Mar. 27.
Can handling machine. P. H. Hamilton. 2,546,501, Mar. 27.
Cap: *See*—
Bottle cap.
Capping machine, Bottle. W. E. Zimmerman. 2,546,205, Mar. 27.
Capsule filling machine with a vertically reciprocable V-shaped sweep. R. M. Fritts. 2,546,300, Mar. 27.
Car: *See*—
Automatic freight car. Railroad car.
Carburetion system. F. C. Mock. 2,546,901, Mar. 27.
Carnauba wax substitute. K. G. Arabian and A. A. Schaerer. 2,546,328, Mar. 27.
Cart, Trail. A. F. J. Lafky. 2,546,604, Mar. 27.
Cartridge feeding device for automatic firearms. G. Webb and W. L. Swarts. 2,546,804, Mar. 27.
Casing centralizer. R. C. Baker. 2,546,582, Mar. 27.
Casting lure. W. M. Gambill. 2,546,437, Mar. 27.
Catalytic conversion of hydrocarbons. H. L. Pelzer. 2,546,234–5, Mar. 27.
Cell, Electrolytic water treating. R. E. Briggs. 2,546,254, Mar. 27.
Centrifugal mill. J. Klagsbrunn. 2,546,860, Mar. 27.
Centrifuge, Convection-compensating. C. F. Hall. 2,546,186, Mar. 27.
Chain structure. D. J. McIntosh and M. Smith. 2,546,368, Mar. 27.
Chair having vertically adjustable footrest. L. W. Schley. 2,546,871, Mar. 27.
Chisel structure for disintegrating and removing incrustations from interior walls of receptacles, Multiple. C. H. Prescott, Jr. 2,546,700, Mar. 27.
Chlorinated derivatives of 1-pyridindene and their preparation. J. T. Plati and W. Wenner. 2,546,653, Mar. 27.
Chopper and cultivator, Rotary plant. J. C. Forney. 2,546,260, Mar. 27.
Chromium steels, Producing low-carbon. D. C. Hilty. 2,546,340, Mar. 27.
Circuit: *See*—
Azimuth indicating circuit. Electrical circuit.
Code recording control circuit. Stabilizing circuit.
Circuit for minimizing transients during switching between two video channels. G. M. Glasford and E. M. Usher. 2,546,338, Mar. 27.
Circuit for periodic introduction of electrons into an electron accelerator. R. Widerøe. 2,546,484, Mar. 27.
Circuit for telemetering systems, Limiter. W. C. Johnson and W. D. Stevenson, Jr. 2,546,307, Mar. 27.
Circuits, Electrical. W. M. Hall. 2,546,500, Mar. 27.
Circuits, Paralleled amplifier. S. C. Stribling, Jr. 2,546,837, Mar. 27.
Clamp for attaching illuminating means to gun sights, Two-part. R. E. Stinson. 2,546,242, Mar. 27.
Clamp for concrete forms, Adjustable. H. B. Cain. 2,546,537, Mar. 27.
Clamping device for fishing reels. E. M. Jack. 2,546,341, Mar. 27.
Clamping device, Quick-acting. W. J. Gibbons. 2,546,336, Mar. 27.
Clay bodies and producing same. N. R. Sewell, Jr. 2,546,477, Mar. 27.
Cleaning composition, Making a rubberlike. H. Blumberg. 2,546,383, Mar. 27.
Clock, Alarm. R. V. Adducl. 2,546,289, Mar. 27.
Clothesbag, Foul weather. E. Torquati. 2,546,480, Mar. 27.
Clothes drier. P. E. Geldhof and C. E. Morgenstern. 2,546,925, Mar. 27.
Clutch: *See*—
Synchroniser clutch.
Clutch device, Pneumatic operating. W. J. Leveridge. 2,546,365, Mar. 27.
Coagulating apparatus. W. H. Green. 2,546,691, Mar. 27.
Coal boring head. V. J. McCarthy. 2,546,899, Mar. 27.
Coating composition for the selective transmission of light, Liquid. M. R. Coe. 2,546,724, Mar. 27.
Code recording control circuit. R. O. Rippere. 2,546,835, Mar. 27.
Collet, Toggle-acting. A. M. Stoner. 2,546,351, Mar. 27.
Color stabilization of halogen-containing polymers. W. L. J. de Nie and C. N. J. de Nooijer. 2,546,631, Mar. 27.
Color yielding elements for color photography. O. W. Murray. 2,546,400, Mar. 27.
Coloring textile materials. C. E. Maher. 2,546,861, Mar. 27.
Colostomy appliance. B. H. Polcyn. 2,546,779, Mar. 27.
Comb. P. L. Mater. 2,546,696, Mar. 27.
Comb and combilke device. F. C. Hunt. 2,546,541, Mar. 27.
Combustion tube fluid fuel burner. W. J. Duff. 2,546,731, Mar. 27.
Compensator valve. E. A. Rockwell. 2,546,677, Mar. 27.
Compressor regulator. W. W. Paget. 2,546,612, Mar. 27.
Computer apparatus. H. Harris, Jr. 2,546,156, Mar. 27.
Concentrating yeast slurries. S. L. Baker. 2,546,250, Mar. 27.
Condenser: *See*—
Punch tape sensing condenser.
Connecting sleeve for burners and hot-blast stoves. C. M. Guy. 2,546,442, Mar. 27.
Connector: *See*—
Self-locking electrical connector.
Connector structure for taillights. J. C. Laisure. 2,546,226, Mar. 27.
Connectors, Making electrical. D. C. Hubbard. 2,546,395, Mar. 27.
Contact structure for electric switches. R. P. Ballou and D. F. Daly. 2,546,663, Mar. 27.
Contacting gases with particle form solid material, Method and apparatus for. L. P. Evans. 2,546,634, Mar. 27.
Container: *See*—
Automatic opening and closing container. Food container.
Crushable container. Key container.
Container punch, Folding. G. E. Eckman. 2,546,257, Mar. 27. Lipstick container.
Container with article-supporting base, Shipping. J. G. Dunneback. 2,546,923, Mar. 27.
Continuous separator. A. C. Bullen. 2,546,427, Mar. 27.
Contrivance for determining the degree of beating of fiber mass suspensions. T. G. Qveflander. 2,546,654, Mar. 27.
Control for internal-combustion engines. F. C. Mock and E. G. Keller. 2,546,902, Mar. 27.
Control for telemotors. H. W. Link. 2,546,462, Mar. 27.
Control system. C. E. Greene and R. B. Lesher. 2,546,692, Mar. 27.
Control system for rotating wing aircraft. H. T. Avery. 2,546,881, Mar. 27.
Controlling apparatus. W. W. Paget. 2,546,613, Mar. 27.
Conversion of hydrocarbons using ammonium iodide catalyst. H. L. Pelzer. 2,546,272, Mar. 27.
Conveyer. V. A. Rayburn and D. C. Robson. 2,546,374, Mar. 27.
Conveyer, Differential. F. K. Schefe. 2,546,476, Mar. 27.
Conveyer, Flight. G. E. Hatcher. 2,546,262, Mar. 27.
Conveyer for handling tacky material. V. A. Rayburn. 2,546,318, Mar. 27.
Conveyer for tractor-mounted corn pickers. B. M. Hyman and E. K. Karlsson. 2,546,750, Mar. 27.
Conveyer, Loader. W. H. Lewis. 2,546,512, Mar. 27.
Conveyer unloader. V. A. Rayburn and D. C. Robson. 2,546,373, Mar. 27.
Cooking apparatus, Food. F. M. McBeth. 2,546,163, Mar. 27.
Cooler: *See*—
Milk cooler.
Copolymers of allylic maleates with allylic alcohols, Soluble. P. O. Tawney. 2,546,798, Mar. 27.
Cord holder. S. E. Felts. 2,546,589, Mar. 27.
Coring device, Side-wall. J. H. Kirby, II. 2,546,668, Mar. 27.
Cornhusking machine. O. R. Jones. 2,546,264, Mar. 27.
Corrosion prevention. W. M. Cross, Jr. 2,546,586, Mar. 27.

Coupling: *See*—
Balanced to unbalanced coupling. Speed and torque responsive coupling
Dead-end coupling.
Cover: *See*—
Tobacco can humidor cover.
Cover for mops, Removable. G. Heron. 2,546,505, Mar. 27.
Cover vent. G. C. Weingardt. 2,546,706, Mar. 27.
Crown and traveling blocks and a reeving system therefor. F. J. Young. 2,546,683, Mar. 27.
Crushable container. H. R. Bishop. 2,546,846, Mar. 27.
Cup making machine, Paper. P. E. Wixon and C. E. Chapman. 2,546,621, Mar. 27.
Cutting and feeding machine. V. P. Donner. 2,546,390, Mar. 27.
Cutting tool. W. D. Bell. 2,546,292, Mar. 27.
Cutting tool. A. F. Labrozzi and E. M. Twelves. 2,546,455, Mar. 27.
Cutting tool holder. F. C. Johnson. 2,546,306, Mar. 27.
Cylinder and concave mill with material return paddle. F. Rodgers. 2,546,679, Mar. 27.
Damper carrying a pressure operated auxiliary damper, Motor operated flue. G. S. Bataille. 2,546,714, Mar. 27.
Dead-end coupling. W. Larymore. 2,546,312, Mar. 27.
Deflection indicator. B. D. Haber and E. K. Conts. 2,546,155, Mar. 27.
Defroster, Windshield. E. J. Bloomer. 2,546,355, Mar. 27.
Deicing shingle, Electrically heated. J. L. Harrison. 2,546,743, Mar. 27.
Deodorizing method. W. V. Mark. 2,546,898, Mar. 27.
Depth gauge. J. Bauer and A. Schittelbauer. 2,546,882, Mar. 27.
Derail. S. W. Hayes. 2,546,667, Mar. 27.
Derivatives of disubstituted methane compounds and making them. G. J. Pritchard. 2,546,274, Mar. 27.
Detachable handle lock. F. W. Coffing. 2,546,387, Mar. 27.
Dethiolizing hydrocarbons. J. L. Meadows and J. N. Martin. 2,546,345, Mar. 27.
Device for coupling and uncoupling drill rod joints. H. C. Johansen. 2,546,224, Mar. 27.
Device for making piecrusts. S. S. Smith. 2,546,656, Mar. 27.
Device for measuring, or tracing and dividing angles. G. Burckhardt. 2,546,885, Mar. 27.
Device for placing slivers into cans. W. Naegeli. 2,546,557, Mar. 27.
Device on harnesses for parachutes fitted with quick release device. C. H. Lundhold. 2,546,763, Mar. 27.
Device to clean Venetian blind slats. H. C. Shirley. 2,546,526, Mar. 27.
Diaphragm for radioscopic apparatus, Movable. M. D. Poittevin. 2,546,699, Mar. 27.
Dilatometer, Electronic. R. I. Swanson and W. K. Smith. 2,546,796, Mar. 27.
Dirt eliminator for potato sorting machines. B. C. Baldwin. 2,546,713, Mar. 27.
Disinfectants and using the same, Aerial. C. I. Jarowski. 2,546,895, Mar. 27.
Disk and nipple holder for nursing units, Combination sealing. H. J. Searer. 2,546,681, Mar. 27.
Disk, Scraping. B. Korbel. 2,546,546, Mar. 27.
Dispenser: *See*—
Hot chocolate dispenser.
Paper and deodorant dispenser. Postage stamp dispenser.
Dispenser for toilet paper. H. H. Harris. 2,546,597, Mar. 27.
Dispenser having a coin reject mechanism controlled by carbon dioxide pressure, Beverage. E. S. Wegman. 2,546,879, Mar. 27.
Dispensing device, Glass particle. R. K. Ready. 2,546,702, Mar. 27.
Dispensing device, Pressure. G. H. Wood and L. T. Ward. 2,546,808, Mar. 27.
Dissolving thorium values. F. L. Steahly, R. W. Stoughton, and F. W. Schuler. 2,546,933, Mar. 27.
Doll head with movable eyes. J. H. Wilhelm. 2,546,682, Mar. 27.
Dolly, Tire. S. E. Huff. 2,546,509, Mar. 27.
Draft regulator. E. A. Field, Jr. 2,546,219, Mar. 27.
Draft rigging. D. Willison. 2,546,485–6, Mar. 27.
Draft rigging. D. Willison and H. L. Spence. 2,546,487, Mar. 27.
Draft rigging. D. Willison. 2,546,488, Mar. 27.
Drain, Automatic liquid. R. E. Farnsworth. 2,546,434, Mar. 27.
Drawing fine steel wire. A. W. Harris. 2,546,447, Mar. 27.
Drier: *See*—
Clothes drier. Fishing line drier.
Drill carriage assembly. J. W. Ray. 2,546,957, Mar. 27.
Driver unit for loud-speakers. S. E. Levy. 2,546,343, Mar. 27.
Drum, Telescoping. V. V. Kmieliauskas. 2,546,452, Mar. 27.
Dry cell and making same. W. B. Woodring and O. K. Reinhardt. 2,546,379, Mar. 27.
Drying gelatinous material, Method and apparatus for. H. E. Peck. 2,546,867, Mar. 27.
Drying of lumber and other materials, Rapid. E. R. Taylor. 2,546,706, Mar. 27.
Drying wood. W. K. Loughborough, J. M. McMillen, and L. D. Espenas. 2,546,162, Mar. 27.
Drying yeast. S. L. Baker. 2,546,251, Mar. 27.
Dual control switch. F. G. Beuer. 2,546,847, Mar. 27.
Duck decoy, Wild. E. C. and E. L. Keep. 2,546,189, Mar. 27.
Dust collector. F. N. Niederkorn. 2,546,558, Mar. 27.
Earring, Illuminated. E. W. Gaffield. 2,546,945, Mar. 27.
Earth-moving machine. R. E. Sherwood. 2,546,907, Mar. 27.
Educational device. T. W. Jones. 2,546,543, Mar. 27.
Educational device. A. E. Schielke. 2,546,789, Mar. 27.
Electric heater. S. A. Oakley. 2,546,315, Mar. 27.
Electric switch. E. H. C. Thorpe. 2,546,569, Mar. 27.
Electric switch contact protection. A. M. Curtis. 2,546,818, Mar. 27.
Electric weft detecting system for looms. V. F. Sepavich. 2,546,617, Mar. 27.
Electrical circuit. D. D. Coffin and B. L. Cook. 2,546,181, Mar. 27.
Electrical protective apparatus. P. P. Kollas. 2,546,824, Mar. 27.
Electrical regulation system. S. V. Hart. 2,546,926, Mar. 27.
Electrical regulator. C. S. Townsend. 2,546,481, Mar. 27.
Electrical switch. A. L. Weisbecker. 2,546,284, Mar. 27.
Electrical system. P. L. Spencer. 2,546,952, Mar. 27.
Electrical system for indicating relative phase displacement. S. R. Rich. 2,546,407, Mar. 27.
Electrified gate. J. R. Carr. 2,546,429, Mar. 27.
Electrode structure and electron discharge device, Nondeforming. L. P. Garner. 2,546,184, Mar. 27.
Electrodeposition of manganese. J. Koster. 2,546,547, Mar. 27.
Electromagnet with armature, Alternating-current. L. J. Goldberg. 2,546,740, Mar. 27.
Electroplating and electropolishing apparatus. C. Cupps. 2,546,920, Mar. 27.
Emulsion polymerization with a catalyst comprising a diazo thioether and a ferricyanide. C. F. Fryling and W. B. Reynolds. 2,546,220, Mar. 27.
Emulsion process. V. S. Salvin and J. R. Adams, Jr. 2,546,169, Mar. 27.
Emulsions of water-insoluble organic acid-fading inhibitors dissolved in water-insoluble organic solvents. W. J. Hart and V. S. Salvin. 2,546,168, Mar. 27.
Engine lathe. S. A. Brandenburg. 2,546,687, Mar. 27.
Engraving sound tracks on a support and reproducing sounds by scanning said tracks. G. Chancenotte. 2,546,850, Mar. 27.
Evaporator, Sheet metal. E. M. Gaul. 2,546,737, Mar. 27.
Exhaust silencer, Baffle type. J. Wallingford. 2,546,707, Mar. 27.
Exposure apparatus for making photo copies. L. P. F. van der Grinten. 2,546,482, Mar. 27.
Fabric for umbrellas, Covering. W. Grace. 2,546,857, Mar. 27.
Fastener: *See*—
Snap seal fastener. Tag fastener.
Fastener for a tooth cap, or the like. E. L. Launder and C. C. Hosmer. 2,546,457, Mar. 27.
Fastener for pressure doors. E. J. Le Claire. 2,546,760, Mar. 27.
Feed grinding and mixing plant. J. S. Herr. 2,546,747, Mar. 27.
Feeder and safety device, Container sealer. R. C. Talbot. 2,546,281, Mar. 27.
Feeding mechanism for sewing machines. F. W. Breul. 2,546,939, Mar. 27.
Fence construction, Property line. H. Buchholz. 2,546,494, Mar. 27.
Filling and weighing machine, Bag. F. F. Lindstaedt and C. R. Fischer. 2,546,193, Mar. 27.
Filter for use in wave guides, High-frequency electrical. H. Gutton and A. J. Ortusi. 2,546,742, Mar. 27.
Filtration through loose filter material. L. W. Nijboer. 2,546,650, Mar. 27.
Fish beheading machine. N. L. Oates. 2,546,346, Mar. 27.
Fish lure. J. P. Nardi. 2,546,516, Mar. 27.
Fish lure with interchangeable bodies of different character. J. A. Neff. 2,546,772, Mar. 27.
Fishing line drier. W. S. Funk. 2,546,222, Mar. 27.
Fishing lure. T. G. Prentice. 2,546,614, Mar. 27.
Fishing reel. M. Nix. 2,546,559, Mar. 27.
Fishing rod holder. P. W. Stein. 2,546,280, Mar. 27.
Flexible diaphragm pump. H. A. Gehres and C. M. Bovard. 2,546,302, Mar. 27.
Floor board tightener. R. E. Blomstrom. 2,546,294, Mar. 27.
Floor rack. A. F. O'Connor. 2,546,651, Mar. 27.
Flow control valve. E. D. Mattix and C. W. Stokes. 2,546,673, Mar. 27.
Fluid control means. R. R. Farrell. 2,546,258, Mar. 27.
Fluid operated safety jack apparatus. H. E. Nelius. 2,546,904, Mar. 27.
Fluid-pressure follow-up control system. H. E. Altgelt. 2,546,880, Mar. 27.
Fluidized bed reactor. F. P. Vance, Jr. 2,546,570, Mar. 27.
Flush valve. H. D. Clemmons. 2,546,213, Mar. 27.
Folding display. B. Bartnick. 2,546,144, Mar. 27.
Folding table. A. Taylor. 2,546,323, Mar. 27.
Food container. F. F. Pfefferkorn. 2,546,166, Mar. 27.

Footrest. C. H. Harmon. 2,546,394, Mar. 27.
Frame: *See*—
Hack saw frame.
Frame. H. H. Voege. 2,546,802, Mar. 27.
Frame and control therefor, Planter. E. A. and W. E. Nehring. 2,546,231, Mar. 27.
Frame for windows, Structural. J. H. Harward. 2,546,187, Mar. 27.
Frame structure and support therefor. W. E. Vogel. 2,546,530, Mar. 27.
Freight loading apparatus. S. M. Nampa. 2,546,929, Mar. 27.
Frequency distinguishing device. L. W. Boothby. 2,546,147, Mar. 27.
Friction drag for windows. E. J. Foote. 2,546,735, Mar. 27.
Fryer, Automatic deep. C. C. Martin. 2,546,464, Mar. 27.
Fuel burner, atomizing type, Liquid. F. W. Ofeldt. 2,546,402, Mar. 27.
Function control mechanism. E. F. Britten, Jr. 2,546,884, Mar. 27.
Furnace: *See*—
Annealing furnace.
Furnace cabinet means with combustion air feeding door structure. L. J. Milhouse. 2,546,674, Mar. 27.
Furniture, Combination. S. L. Conrad. 2,546,851, Mar. 27.
Furniture, Knockdown. G. W. Anderson. 2,546,811, Mar. 27.
Furniture, Knockdown table. G. W. Anderson. 2,546,812, Mar. 27.
Furniture, Metal. E. C. Booth. 2,546,492, Mar. 27.
Galvanizing. M. C. King. 2,546,451, Mar. 27.
Game board for simulated racing. V. Rengel. 2,546,347, Mar. 27.
Game, Bowling. R. D. Lund. 2,546,399, Mar. 27.
Game, Rotating disk. E. Y. Guthmann. 2,546,441, Mar. 27.
Game, Spinner type ball. O. L. Olson. 2,546,775, Mar. 27.
Garment hanger. V. Holden. 2,546,600, Mar. 27.
Gas analyzer detecting device. H. I. Becker. 2,546,715, Mar. 27.
Gas washer. O. E. Fenn. 2,546,259, Mar. 27.
Gate: *See*—
Electrified gate.
Gauge: *See*—
Amplifying gauge. Tangential angle gauge.
Depth gauge. Twist drill gauge.
Liquid level gauge.
Gauge. I. C. Gardner. 2,546,154, Mar. 27.
Gauging and alignment device for fittings, by light projection. C. J. Schipplock. 2,546,524, Mar. 27.
Gear shifting device. C. Nibaud. 2,546,865, Mar. 27.
Gearing, Engine starter. J. E. Buxton. 2,546,940, Mar. 27.
Gearing, Engine starter. D. L. Miller. 2,546,948, Mar. 27.
Gearing, Engine starter. A. R. Tobias. 2,546,954, Mar. 27.
Gearing, Variable-speed. R. Warren. 2,546,282, Mar. 27.
Generation of pulses of alternately opposite polarities. E. Peterson. 2,546,371, Mar. 27.
Generator. H. L. Hayden. 2,546,448, Mar. 27.
Glass product and making the same. P. Modigliani. 2,546,230, Mar. 27.
Glass retainer. L. M. Cook. 2,546,430, Mar. 27.
Glove for animated figures, Novelty. J. L. Baum. 2,546,209, Mar. 27.
Golf club indicator. A. H. Bryant. 2,546,426, Mar. 27.
Governed lowering power winch. G. E. Moore. 2,546,863, Mar. 27.
Grease pump. H. B. Caldwell. 2,546,585, Mar. 27.
Grinder, Cylinder ridge. D. W. Baldwin, W. G. Thompson, and W. A. Clements. 2,546,490, Mar. 27.
Grinding machine for shear blades or the like. H. C. Wheeler. 2,546,914, Mar. 27.
Grinding machine, Locomotive and car wheel. J. G. Julian and F. A. Daniels, Sr. 2,546,225, Mar. 27.
Growing crystals. H. Jaffe, E. M. Brazis, and B. Kjellgren. 2,546,305, Mar. 27.
Growing crystals. O. Kornei. 2,546,310, Mar. 27.
Grubbing machine. E. E. Rowe. 2,546,786, Mar. 27.
Guard, Boxer's head. M. H. Yealdhall. 2,546,842, Mar. 27.
Guard, Fingernail. H. H. Turner. 2,546,619, Mar. 27.
Guard, Wrist watch. L. E. Innes. 2,546,859, Mar. 27.
Guide for flush ball lift rods. B. L. McWilliams. 2,546,766, Mar. 27.
Guide rod for the oil port valve of an accumulator, Spring controlled. J. G. Mercier and E. M. Greer. 2,546,648, Mar. 27.
Gun sight, Supplemental rear. A. E. Pierce. 2,546,777, Mar. 27.
Hack saw frame. G. R. Wilcox. 2,546,660, Mar. 27.
Hair wave solution receptacle. D. A. Brunner. 2,546,817, Mar. 27.
Hammock. E. A. Spangler. 2,546,350, Mar. 27.
Hand-drill, Adjustable. S. Shaler. 2,546,655, Mar. 27.
Handling sugar. H. S. Paine and M. F. Hughes. 2,546,179, Mar. 27.
Hanger: *See*—
Garment hanger.
Hanger and clamp for supporting electrical conductors, Combination. A. H. Genter. 2,546,593, Mar. 27.
Hanger attachment, Coat. P. Perlson. 2,546,198, Mar. 27.
Hanger for pipes and other fittings. W. R. Miller. 2,546,556, Mar. 27.
Hanger with container for moth repellent, Clothes. F. O'Farrell and L. J. Delson. 2,546,518, Mar. 27.
Hanger with spring clips, Garment. P. A. A. Beetlestone and H. W. Gordon. 2,546,717, Mar. 27.
Heater: *See*—
Electric heater.
Heating apparatus. H. J. Rose. 2,546,785, Mar. 27.
Heating system, Forced circulation hot-water. R. D. Ddy. 2,546,358, Mar. 27.
Helmet, Welder's. J. Doran. 2,546,942, Mar. 27.
High-speed flexible joint. J. W. Browning. 2,546,298, Mar. 27.
High-voltage power supply. R. R. Gannaway. 2,546,591, Mar. 27.
Hinge structure. C. B. Ferrel. 2,546,590, Mar. 27.
Hitch mechanism. W. Vutz. 2,546,531, Mar. 27.
Holder: *See*—
Cord holder. Fishing rod holder.
Cutting tool holder. Medicine spoon holder.
Holder for creels, Cone. H. B. Garden and H. J. McDermott. 2,546,301, Mar. 27.
Holder for dispensing packages. S. Farkas. 2,546,635, Mar. 27.
Holder for garbage containers. J. R. Swisher and J. A. Soules. 2,546,797, Mar. 27.
Holder for use in welding, Work. E. L. Launder. 2,546,458, Mar. 27.
Holster, Firearm. W. F. Ohlemeyer. 2,546,774, Mar. 27.
Homogenizer mechanism, Piston type. H. W. Hein. 2,546,745, Mar. 27.
Hot chocolate dispenser. A. F. Lunardi. 2,546,514, Mar. 27.
Housing and light diffuser for fluorescent fixtures. E. T. Koppang and H. W. Kintzinger. 2,546,190, Mar. 27.
Hydraulic apparatus. C. E. Adams. 2,546,580–1, Mar. 27.
Hydraulic apparatus. E. H. Born. 2,546,583, Mar. 27.
Hydraulic side wall coring tool. J. H. Kirby, II. 2,546,669, Mar. 27.
Hydraulic unit comprising reservoir, pump, and valve. D. J. Schneider. 2,546,565, Mar. 27.
Hydraulically operable side-wall coring tool. J. H. Kirby, II. 2,546,670, Mar. 27.
Hydrocarbon conversion, Method and apparatus for. E. V. Bergstrom. 2,546,625, Mar. 27.
Hydroxy-compounds of the benzoxanthene series and making same. M. Schmid and H. Johner. 2,546,872, Mar. 27.
Ice chopper with spring retracted head, Container enclosed. P. F. Georgelna and D. P. Iezzi. 2,546,739, Mar. 27.
Ignition device for jets from fuel nozzles, Electrical. C. M. Carington, G. W. Shoobert, and D. J. Blight. 2,546,919, Mar. 27.
Immersed-electrode steam generating system. S. E. Eaton. 2,546,889, Mar. 27.
Impact cushioning idler. J. W. Snavely. 2,546,200, Mar. 27.
Implement, Combination agricultural. D. E. Lewis. 2,546,461, Mar. 27.
Implement control hitch and associated mechanism. R. W. Kurtz. 2,546,192, Mar. 27.
Impregnating fiber sheets. P. A. Talet. 2,546,618, Mar. 27.
Incorporating solid fat in liquid fatty mixtures. B. S. Harrington. 2,546,502, Mar. 27.
Incremental addition of alkaline material in emulsion polymerization. C. M. Tucker. 2,546,244, Mar. 27.
Index attachment, Telephone dial. J. J. Venters. 2,546,483, Mar. 27.
Indicating apparatus. H. W. Augustadt. 2,546,814, Mar. 27.
Indicator: *See*—
Deflection indicator. Golf club indicator.
Indicator flag for funeral cars. H. D. Frame. 2,546,855, Mar. 27.
Indicator for sensing devices, Stepping failure. J. W. Goderham. 2,546,819, Mar. 27.
Inhibition of acrylonitrile polymerization. J. C. Richards. 2,546,238, Mar. 27.
Insecticidal composition containing a polychloro p-menthane. W. D. Stonecipher. 2,546,174–6, Mar. 27.
Insole-type appliance. F. L. Riggs. 2,546,408, Mar. 27.
Instrument adapted to compare heat areas for determining subluxations. D. P. Redding. 2,546,275, Mar. 27.
Instrument, Aircraft flight determining. R. L. Saloschin. 2,546,836, Mar. 27.
Instrument for acoustic devices, Testing. F. Massa. 2,546,313, Mar. 27.
Instrument for determining subluxations in the spine of a patient. D. P. Redding. 2,546,276, Mar. 27.
Instrument for measuring physical conditions. C. H. Smoot. 2,546,657, Mar. 27.
Instrument, Gyroscopic. M. H. Johnson. 2,546,158, Mar. 27.

Instrument, Navigational. H. F. McHose. 2,546,764, Mar. 27.
Instrument panel switch. J. R. Ferguson. 2,546,943, Mar. 27.
Instrument, Photometric comparator. R. S. Hunter. 2,546,450, Mar. 27.
Insulation and load supervisory system. F. B. L. Hain. 2,546,443, Mar. 27.
Ion exchange resins and treating a solution of an acid in a liquid ionizing medium to remove anions. W. C. Bauman and G. B. Heusted. 2,546,938, Mar. 27.
Jack: *See*—
Lifting jack. Scissor-type bumper jack.
Portable or stationary multiple air jack.
Jacket, Golf bag. W. S. Alter and H. N. Bancroft. 2,546,416, Mar. 27.
Joint: *See*—
High-speed flexible joint.
Joint for coaxial conductors. R. A. Kempf. 2,546,309, Mar. 27.
Joint sealing filler, Expansion. P. Sussenbach. 2,546,659, Mar. 27.
Keeping the meat of shellfish in a fresh condition. G. C. Byrd. 2,546,428, Mar. 27.
Key container. J. E. Williams. 2,546,413, Mar. 27.
Knife and process, Film casting. D. E. Jurgensen, Jr. and G. P. Hungerford. 2,546,342, Mar. 27.
Laminating polyvinyl alcohol film to paper and product. J. F. Strawinski. 2,546,705, Mar. 27.
Last. A. M. Bowzer. 2,546,148, Mar. 27.
Last expanding machine. J. S. Kamborian. 2,546,398, Mar. 27.
Latch: *See*—
Refrigerator door latch.
Latch. A. M. Bowzer. 2,546,149, Mar. 27.
Latch operating mechanism for dump cars and the like. E. O. Lunde. 2,546,897, Mar. 27.
Lathe. A. Trosch and W. J. F. Forward. 2,546,913, Mar. 27.
Lawn mower and lawn mower attachment for tractors. C. W. Kelsey. 2,546,265, Mar. 27.
Lens inspecting and layout device. H. C. Barile. 2,546,329, Mar. 27.
Lifter roof for fluid storage apparatus, Liquid-sealed. J. H. Wiggins. 2,546,572–3, Mar. 27.
Lifting appliance and the like, Invalid. C. H. Cullen. 2,546,688, Mar. 27.
Lifting jack. R. H. Floyd. 2,546,361, Mar. 27.
Light: *See*—
Vehicle signal light.
Lighter. A. F. Reilly. 2,546,615, Mar. 27.
Lining for coffee-making instrumentalities. N. J. Siegrist. 2,546,874, Mar. 27.
Lipstick container. C. W. Mellette. 2,546,195, Mar. 27.
Liquid level gauge. H. L. Norway. 2,546,832, Mar. 27.
Liquid-sealed lifter roof for fluid storage apparatus. J. H. Wiggins. 2,546,573, Mar. 27.
Loading machine, Hay. W. J. Propheter. 2,546,362, Mar. 27.
Loading mechanism for continuously rotated chucks, Automatic. R. A. Ashton. 2,546,684, Mar. 27.
Locating interstrand short circuits in stranded armature bars. R. F. Edgar. 2,546,732, Mar. 27.
Lock: *See*—
Automobile door lock. Pie lock.
Detachable handle lock. Window lock.
Permutation lock.
Lock device for printers' chases. G. F. Morrison and H. C. Frentzel. 2,546,197, Mar. 27.
Lock nut. F. G. Costello. 2,546,332, Mar. 27.
Locking and adjusting means, Flatlock looper. F. P. Tamburro. 2,546,177, Mar. 27.
Locking means, Fare box vault door. E. M. Evans. 2,546,498, Mar. 27.
Locking means for adjustable telescopic members. W. G. Hume. 2,546,157, Mar. 27.
Loop picker, Sheet metal. S. W. La Rocque. 2,546,643, Mar. 27.
Louver, Illumination. J. R. Friend. 2,546,335, Mar. 27.
Lubricant fitting. C. C. S. Le Clair. 2,546,671, Mar. 27.
Lubricants. C. M. Loane and L. W. Mixon. 2,546,552, Mar. 27.
Lubricating oil. W. Davey. 2,546,941, Mar. 27.
Lubricating system. W. P. Dalrymple. 2,546,887, Mar. 27.
Lubricator. L. A. Blackburn. 2,546,211, Mar. 27.
Machine for molding concrete blocks. P. Brindle. 2,546,883, Mar. 27.
Machine for winding coils for dynamoelectric machines. W. Swift and E. Mason. 2,546,567, Mar. 27.
Machine tool. W. W. Potter and A. J. Fuller. 2,546,520, Mar. 27.
Machine tool. A. D. Wetzel. 2,546,326, Mar. 27.
Machinery support. A. Carter. 2,546,722, Mar. 27.
Magnesium alloy. D. L. Leman and J. J. Casey. 2,546,931, Mar. 27.
Magnet structure. S. E. Levy. 2,546,344, Mar. 27.
Magnetic motor. F. O. De Millar. 2,546,729, Mar. 27.
Magnetic power unit power take-off. W. L. Morrison, Jr. 2,546,949, Mar. 27.
Making closed cell cellular soft rubber sheet by single vulcanization and external gassing. H. Pfleumer. 2,546,868, Mar. 27.
Making motor fuel. S. B. Wiczer. 2,546,180, Mar. 27.
Mapping device, Antiparallax. K. Jones. 2,546,510, Mar. 27.
Marking device, Floor. J. Kahler. 2,546,308, Mar. 27.
Marsh vehicle. F. F. Reynolds. 2,546,523, Mar. 27.
Masking the odor of ammonia in developing diazotypes. S. C. Slifkin and J. Sulich, Jr. 2,546,791, Mar. 27.
Measuring device, Foot. B. G. Lofgren. 2,546,161, Mar. 27.
Mechanism for starting and stopping weaving looms. E. J. Pfarrwaller. 2,546,833, Mar. 27.
Mechanism for sugar-cane harvesting. R. A. Patten. 2,546,165, Mar. 27.
Medicine spoon holder. R. and H. Lustig. 2,546,463, Mar. 27.
Metal casting. T. E. Norman. 2,546,517, Mar. 27.
Metal detector. R. P. Mork. 2,546,771, Mar. 27.
Metallurgical apparatus. R. M. Gibson. 2,546,337, Mar. 27.
Meter: *See*—
Antitampering electric meter.
Meter system, Parking. R. T. Dick. 2,546,433, Mar. 27.
Metering device for bottles, Periodic siphon. W. C. Keller. 2,546,188, Mar. 27.
Milk cooler. C. K. Billings. 2,546,718, Mar. 27.
Mill: *See*—
Centrifugal mill.
Mixer for gaseous or vaporized materials. G. T. Macbeth. 2,546,515, Mar. 27.
Mixing receptacle. J. H. Wittmann. 2,546,285, Mar. 27.
Modified phenol-formaldehyde resins. H. D. Hartough and J. W. Schick. 2,546,946, Mar. 27.
Moisture removing means for the inker of lithographic presses and the like. J. E. Sodomka. 2,546,793, Mar. 27.
Motor: *See*—
Magnetic motor. Water motor.
Motor control mechanism, Fluid. C. E. Adams and E. H. Born. 2,546,579, Mar. 27.
Motor control system. H. F. McKenney and W. H. Newell. 2,546,271, Mar. 27.
Motor-driven tool. K. C. Atkin. 2,546,846, Mar. 27.
Mounting device for window ventilating fans. M. H. Fuller. 2,546,944, Mar. 27.
Mounting for governors, Flyweight. S. Steen-Johnsen. 2,546,911, Mar. 27.
Multiplier, Frequency. D. Charles. 2,546,255, Mar. 27.
Muting system for radio receivers. M. G. Nicholson, Jr. and M. C. Scott. 2,546,401, Mar. 27.
Nailing machine. C. J. Bacon and S. J. Kent. 2,546,354, Mar. 27.
Necktie rack. A. R. Brothers. 2,546,720, Mar. 27.
Nipple or lubricant-receiving device. C. C. S. Le Clair. 2,546,672, Mar. 27.
Nitriles and amides, Manufacture of. R. H. Potts. 2,546,521, Mar. 27.
Novelty house number. E. H. Leonard. 2,546,227, Mar. 27.
Object holding mechanism for grinding machines. R. R. Head. 2,546,504, Mar. 27.
Opener and sealing closure, Can. M. O. Polson. 2,546,561, Mar. 27.
Opener, Bobby pin. J. R. Snyder. 2,546,528, Mar. 27.
Opener, Cream can. W. M. McBride. 2,546,467, Mar. 27.
Operating and locking mechanism for canopy doors. R. F. Rape. 2,546,932, Mar. 27.
Operation control and terminating mechanism. S. Hilder. 2,546,893, Mar. 27.
Organic phosphates as wear inhibitors for iron carbonyl. H. C. Cross. 2,546,422, Mar. 27.
Ornamenting coil spring wristbands. L. H. Knibb. 2,546,603, Mar. 27.
Orthopedic apparatus. W. D. Fowler. 2,546,436, Mar. 27.
Oscillating sheave support. W. C. Sole. 2,546,794, Mar. 27.
Oscillator, High-frequency electrical. J. Sayers. 2,546,870, Mar. 27.
Oscillator, Variable frequency. T. H. Long. 2,546,645, Mar. 27.
Package of trays. N. L. Solomon. 2,546,875, Mar. 27.
Pad for garments, Shoulder. J. K. Wilson. 2,546,807, Mar. 27.
Pallet or skid adapted for lifting trucks and the like, Handling. S. R. McKim. 2,546,830, Mar. 27.
Paper and deodorant dispenser. P. J. Grant. 2,546,820, Mar. 27.
Paper feeding, cutting, and registering mechanism. N. E. Funk. 2,546,221, Mar. 27.
Path charting apparatus. R. J. Duffin. 2,546,888, Mar. 27.
Patty forming machine, Hamburg steak. F. S. Elsaesser. 2,546,497, Mar. 27.
Pen and chair for children, Automobile. C. K. Shook. 2,546,790, Mar. 27.
Permeable materials and making same. R. S. Adams. 2,546,624, Mar. 27.
Permutation lock. S. Fenari. 2,546,182, Mar. 27.
Phase balancing apparatus. S. B. Crary. 2,546,725, Mar. 27.
Phase shifter, Wave guide. W. A. Tyrrell. 2,546,840, Mar. 27.
Phenol by oxidation of benzene, Production of. G. G. Joris. 2,546,639–40, Mar. 27.
Photographic emulsion, Light-sensitive. W. K. A. Koerber and D. M. A. Van Goethem. 2,546,642, Mar. 27.

Pie lock. L. M. Thiac and A. J. Petivan, Jr. 2,546,800, Mar. 27.
Piezoelectric crystal apparatus. D. M. Ruggles. 2,546,321, Mar. 27.
Pile wire and weaving pile fabrics. F. P. Groat. 2,546,261, Mar. 27.
Pin: *See*—
Safety pin.
Plug: *See*—
Bridging plug.
Pipe anchor. E. P. Smith and M. S. Johnson. 2,546,792, Mar. 27.
Piperidyl ketones and making same. H. Kaegi and K. Miescher. 2,546,159, Mar. 27.
Planetary unit. C. Snyder. 2,546,173, Mar. 27.
Planter marker. C. H. White and W. P. Oehler. 2,546,412, Mar. 27.
Planter, Seed. C. H. Tasche. 2,546,838, Mar. 27.
Plateholder for cameras. E. Nitenson. 2,546,905, Mar. 27.
Plow, Reversible disk. R. L. McElroy. 2,546,554, Mar. 27.
Plug for pocket lighters, Filler. F. R. and C. C. Rizzo. 2,546,475, Mar. 27.
Plugging wells. R. O. Bankson. 2,546,252, Mar. 27.
Pocketbook, Bill dispensing. H. D. Baird. 2,546,815, Mar. 27.
Polarising head for magnetic recorders. H. A. Howell. 2,546,927, Mar. 27.
Polymerization in the presence of a double fluoride catalyst. H. J. Passino. 2,546,930, Mar. 27.
Polymerization of N-vinyl pyrrole compounds. W. Freudenberg. 2,546,924, Mar. 27.
Portable or stationary multiple air jack. D. T. Haines, Sr. 2,546,596, Mar. 27.
Portable projection screen. L. J. Du Mais and J. T. Heck. 2,546,299, Mar. 27.
Positioning a forming die with respect to a core tube. S. E. Brillhart. 2,546,629, Mar. 27.
Postage stamp dispenser. L. G. Gendernalik. 2,546,738, Mar. 27.
Power plant system. A. F. Schwendner and O. N. Bryant. 2,546,410, Mar. 27.
Preservation of comestible materials. L. D. Taylor. 2,546,568, Mar. 27.
Pressure responsive device. C. D. Pendleton. 2,546,403, Mar. 27.
Printing element or cylinder. W. C. Huebner. 2,546,304, Mar. 27.
Producing activated carbon. J. C. Morrell. 2,546,903, Mar. 27.
Prop, Clothesline. S. Zoppelt. 2,546,578, Mar. 27.
Pulley. W. L. Rives. 2,546,782, Mar. 27.
Pulse multiplex system, High-fidelity. B. A. Trevor. 2,546,935, Mar. 27.
Pump: *See*—
Flexible diaphragm pump. Grease pump.
Pumping means. E. R. Cornell. 2,546,852, Mar. 27.
Punch tape sensing condenser. E. O. Roggenstein. 2,546,784, Mar. 27.
Punching machine for sampling moving strips. E. R. Muddiman. 2,546,469, Mar. 27.
Purification of griseln. F. A. Kuehl, Jr. 2,546,267, Mar. 27.
Pyridindenes and their manufacture. J. T. Plati and W. Wenner. 2,546,652, Mar. 27.
Rack: *See*—
Floor rack. Ski rack.
Necktie rack.
Rack. A. G. Eisenberg. 2,546,587, Mar. 27.
Rack for publications. H. K. Ashley. 2,546,419, Mar. 27.
Radiator bracket. A. A. Emrick. 2,546,359, Mar. 27.
Radio echo system for aircraft. G. C. Schleter and H. R. Senf. 2,546,170, Mar. 27.
Radium nasopharyngeal applicator. G. H. Loftus. 2,546,761, Mar. 27.
Rail flaw detector mechanism. H. C. Drake. 2,546,256, Mar. 27.
Railroad car. O. A. Kuhler and W. E. Burnett. 2,546,311, Mar. 27.
Rake, Rotary. H. E. Van Ness. 2,546,620, Mar. 27.
Rate smoothing network. H. Branson. 2,546,918, Mar. 27.
Razor blade. G. Rauglas. 2,546,406, Mar. 27.
Razor, Safety. A. N. Masabny. 2,546,928, Mar. 27.
Razor, Safety. G. Rauglas. 2,546,405, Mar. 27.
Receptacle: *See*—
Hair wave solution receptacle. Mixing receptacle.
Receptacle and closure therefor for aircraft refueling apparatus. G. J. Harman. 2,546,892, Mar. 27.
Receptacle with inner article fastening means, Shipping. J. G. Dunneback. 2,546,922, Mar. 27.
Record player, Selective. L. J. Andres. 2,546,845, Mar. 27.
Recorder and reproducer, Magnetic. H. Hansen. 2,546,821, Mar. 27.
Recorder and reproducer, Magnetic. R. F. Mallina. 2,546,829, Mar. 27.
Recording apparatus, Facsimile. P. R. Marzan. 2,546,466, Mar. 27.
Recovering barite from its native materials. W. C. Wolf. 2,546,247, Mar. 27.
Reel: *See*—
Fishing reel. Spinning type fishing reel.
Reel for motion-picture film. V. J. Popoli. 2,546,146, Mar. 27.
Refining hydrocarbon lubricating oils. D. E. Badertscher and W. H. King. 2,546,916, Mar. 27.
Refrigerating apparatus for beverage coolers. W. E. Anglin. 2,546,417, Mar. 27.
Refrigerator, Absorption. O. B. Sutton. 2,546,912, Mar. 27.
Refrigerator door latch. G. E. Curtiss, Jr. 2,546,333, Mar. 27.
Regulating means for alternating electric current generators. J. A. Laird and J. W. Reid-Jones. 2,546,549, Mar. 27.
Regulator: *See*—
Compressor regulator. Electrical regulator.
Draft regulator.
Regulator for wet grinding wheels, Coolant. K. Weiss and H. R. Sautter. 2,546,805, Mar. 27.
Reinforcing structure for vehicle bodies, especially for railway cars. R. J. Theriault. 2,546,839, Mar. 27.
Relay and associated circuits, Combined line and metering. C. E. Lomax. 2,546,644, Mar. 27.
Releasable heater support. G. H. Morey. 2,546,770, Mar. 27.
Release mechanism, Multiple-line. L. P. Frieder and W. S. Finken. 2,546,689, Mar. 27.
Remote control mechanism of change-speed gearing of a motor-vehicle. E. G. Grinham and W. R. Turner. 2,546,440, Mar. 27.
Remotely controlled flash unit. E. R. Farber. 2,546,734, Mar. 27.
Resin melting. E. Klepetko. 2,546,364, Mar. 27.
Resinous esters, Depolymerized copal-like. W. Krumbhaar. 2,546,826, Mar. 27.
Retarding yeast growth in sugar sirups. D. V. Wadsworth and W. L. Owen. 2,546,178, Mar. 27.
Rivet with self-locking mandrel. H. J. Keating. 2,546,602, Mar. 27.
Rocket machine gun. E. Holloway. 2,546,823, Mar. 27.
Rod and making same, Electrical heating. G. E. Watson. 2,546,142, Mar. 27.
Rolling machine of the bridge type for the treatment of leather. J. Kadlecik. 2,546,544, Mar. 27.
Rotary electric switch. O. H. Hasselbaum. 2,546,744, Mar. 27.
Rotary mixing valve. E. C. Bentsen. 2,546,423, Mar. 27.
Rotating jet actuated apparatus for accelerating discharge and dispersion of snow and other material. E. R. Greer. 2,546,339, Mar. 27.
Roundabout, Vertical axis. G. W. Bergen. 2,546,917, Mar. 27.
Rubber products, Production of. L. Harbison. 2,546,446, Mar. 27.
Rule with flexible calibration-carrying element, Slide. R. Tarshis. 2,546,243, Mar. 27.
Safety device for rotated shafts. R. A. Ashton. 2,546,685, Mar. 27.
Safety means for hydraulic brakes. L. T. Jackson. 2,546,751, Mar. 27.
Safety pin. D. V. Bagnasco. 2,546,662, Mar. 27.
Sales blank. H. Y. Brock, Jr. 2,546,584, Mar. 27.
Sander. J. G. Weigel. 2,546,245, Mar. 27.
Saw blade construction. J. L. Haycock. 2,546,503, Mar. 27.
Saw, Straight-line swinging. H. V. Schwandt. 2,546,277, Mar. 27.
Saw with detachable cutting edge. J. Miller, Sr. 2,546,947, Mar. 27.
Scaffold, Sidewalk bridge. T. C. North. 2,546,676, Mar. 27.
Scale holding device, Adjustable. L. B. Kravetz. 2,546,825, Mar. 27.
Scissor-type bumper jack. E. E. Broeker. 2,546,425, Mar. 27.
Scooter. C. G. Amendt. 2,546,711, Mar. 27.
Scraper, Meat block. W. S. Young. 2,546,577, Mar. 27.
Screen: *See*—
Portable projection screen.
Screen for aircraft gas turbines, Retractable air inlet. J. E. De Remer. 2,546,153, Mar. 27.
Screen for radio wave detection, Phosphorescent. B. A. Lengyel. 2,546,160, Mar. 27.
Sealing hollow bodies. M. M. Barton. 2,546,208, Mar. 27.
Seat for farm implements, Adjustable. E. L. Legris. 2,546,268, Mar. 27.
Seat rest, Adjustable. J. C. Leeds. 2,546,460, Mar. 27.
Securing adhesion of electro-plated coatings to a metal base. A. Brenner, P. S. Burkhead, and G. E. Riddell. 2,546,150, Mar. 27.
Selector for phonographs and the like, Electrical. O. E. Grupp, Jr. 2,546,392, Mar. 27.
Self-closing tube. G. Abarr. 2,546,709, Mar. 27.
Self-examination device. M. Fleischer. 2,546,666, Mar. 27.
Self-locking electrical connector. L. Theriault. 2,546,201, Mar. 27.
Separation of isomeric chlorobenzoic acids. J. Kamlet. 2,546,545, Mar. 27.
Separator: *See*—
Continuous separator.
Service head fitting. C. E. Schuman. 2,546,348, Mar. 27.
7 - chloro - 4 - [5 - (N - ethyl - N - 2 - hydroxyethylamino)-2-pentyl]aminoquinoline, its acid addition salts, and preparation. A. R. Surrey. 2,546,658, Mar. 27.

7-dehydrosterols, Producing. W. L. Ruigh and D. H. Gould. 2,546,787, Mar. 27.
7-dehydrosterols, Production of. K. H. Schaaf. 2,546,788, Mar. 27.
Sewing machine. R. Casas. 2,546,212, Mar. 27.
Sewing machine attachment, Chenille stitching. G. D. and R. F. Dedmon. 2,546,357, Mar. 27.
Sewing-machine driving mechanism. A. N. Hale. 2,546,393, Mar. 27.
Sheet material with weakened tearing line. C. Nicolle. 2,546,698, Mar. 27.
Shelter, Ice-fishing. F. Dickerson. 2,546,730, Mar. 27.
Shelter or the like, Fishing. J. H. Ellis. 2,546,588, Mar. 27.
Shield for automobiles, Glare. H. W. Morris. 2,546,609, Mar. 27.
Shield for baby carriages, Storm and insect netting. N. Zigterman. 2,546,843, Mar. 27.
Shipping device with article supporting means. J. G. Dunneback. 2,546,921, Mar. 27.
Shock absorber for railway car trucks, Friction. G. E. Dath. 2,546,215–17, Mar. 27.
Shoe and making the same, Platform. J. D. Chandler. 2,546,152, Mar. 27.
Shoe construction, Cushion platform type. W. Braun. 2,546,296, Mar. 27.
Shoe form with stiffening flange. I. Goodfellow and W. J. De Witt. 2,546,391, Mar. 27.
Shoe sole welt, border or the like, on shoe soles of rubber or the like, Method and apparatus for the production of an ornamental. O. Majtner. 2,546,553, Mar. 27.
Shoe upper guard. L. Prejean. 2,546,780, Mar. 27.
Showcase, Demountable. L. Roselyn. 2,546,564, Mar. 27.
Side block. H. K. and H. K. Halvorsen, Jr. 2,546,445, Mar. 27.
Side wall core taker. W. S. Dill. 2,546,632, Mar. 27.
Signal control system, Railway. J. H. Butridge and W. H. Claus. 2,546,331, Mar. 27.
Signaling means, Switch. G. Pacurar. 2,546,610, Mar. 27.
Single-vaned rotary discharge assistant operable in a side outlet of a container for granular material, and a weighted apron engaging said vane in its outermost position. O. Enestvedt. 2,546,733, Mar. 27.
Sintering titanium and like metals. D. W. Rostrom. 2,546,320, Mar. 27.
Siruping machine and siruping filled containers. G. L. Ardron, M. L. Dodge, and C. J. Chebuhar. 2,546,418, Mar. 27.
Ski binding. J. I. Johansen. 2,546,694, Mar. 27.
Ski rack. E. R. Pankonin. 2,546,233, Mar. 27.
Skirt for kitchen sinks, Hideaway. L. Sims. 2,546,478, Mar. 27.
Skirt, Hula. T. M. and F. M. Rodin. 2,546,563, Mar. 27.
Skiving device for use in heel assembling. J. B. Mudgway. 2,546,864, Mar. 27.
Slicer and spreader, Potato. J. Miller. 2,546,767, Mar. 27.
Sling for crippled animals, Mobile. C. C. Creamer, Jr. 2,546,726, Mar. 27.
Smoking device. G. W. Rehfeld. 2,546,237, Mar. 27.
Snap seal fastener. G. C. Hurt. 2,546,542, Mar. 27.
Socket member, Separable snap fastener type. W. A. Bedford, Jr. 2,546,716, Mar. 27.
Soldering, Method and apparatus for. C. F. Block. 2,546,719, Mar. 27.
Sound reproducing system. R. W. Skene. 2,546,278, Mar. 27.
Spark ignition apparatus. J. A. Laird and D. W. Morris. 2,546,550, Mar. 27.
Speed and torque responsive coupling. A. Y. Dodge. 2,546,633, Mar. 27.
Speed control system for direct-current motors. H. C. Roemke. 2,546,783, Mar. 27.
Speed regulating mechanism. W. W. Paget. 2,546,611, Mar. 27.
Spindle assembly, Spinning. P. G. Palmgren. 2,546,473, Mar. 27.
Spindle, Cotton picker. C. R. Hagen. 2,546,185, Mar. 27.
Spinning type fishing reel. F. J. Martini. 2,546,465, Mar. 27.
Splash guard, Dual-purpose vehicle wheel. V. S. Rheeling. 2,546,781, Mar. 27.
Spool, Collapsible. E. O. Beauregard. 2,546,253, Mar. 27.
Spout, hood, and mixing chamber for sanitary fixtures. S. A. Young. 2,546,327, Mar. 27.
Springboard. N. Buck. 2,546,151, Mar. 27.
Sprinkler, Oscillating lawn. M. D. Squiers. 2,546,241, Mar. 27.
Sprinkler valve. R. R. Wilcox, Jr. 2,546,574, Mar. 27.
Spur for roller skates, Detachable. J. Abel. 2,546,622, Mar. 27.
Stabilizing circuit. C. C. Lawry, Jr. 2,546,758, Mar. 27.
Start-stop repeater. R. M. M. Oberman. 2,546,369, Mar. 27.
Sterilizing device, Telephone mouthpiece. A. P. McCloskey and E. W. Hopkins. 2,546,229, Mar. 27.
Stocking. F. L. Hall. 2,546,444, Mar. 27.
Stoking apparatus ash removal means. C. E. Shaffer and A. B. Fisher, Jr. 2,546,171, Mar. 27.
Stop for separable fastener stringers, Cast on end. L. H. Morin. 2,546,649, Mar. 27.
Stopper for bottles, Pouring. L. Livadas. 2,546,194, Mar. 27.
Store front construction. J. J. Bosshard. 2,546,384, Mar. 27.
Stove having internal air-heating chamber means, Magazine. K. A. Niermeyer. 2,546,675, Mar. 27.
Strap cutting means for Venetian blinds. J. J. Fine. 2,546,435, Mar. 27.
Stress-relieving articulation for prosthetic dentures. L. E. Johnson. 2,546,397, Mar. 27.
Stretcher and drier, Sock and stocking. A. A. Haddad. 2,546,595, Mar. 27.
Stretcher, Pinless curtain. R. J. Aston. 2,546,249, Mar. 27.
Stud bearing. J. J. Visone. 2,546,801, Mar. 27.
Subcutaneous medication. J. W. Lee, H. E. Martin, and W. M. Alexander. 2,546,759, Mar. 27.
Sunshade, Automobile window. J. F. Grabill. 2,546,438, Mar. 27.
Support: *See*— Oscillating sheave support.
Machinery support. Releasable heater support.
Support for typewriter paper, Universal. A. Z. Bailey. 2,546,143, Mar. 27.
Suspension polymerization. D. Bandel. 2,546,207, Mar. 27.
Switch: *See*—
Dual control switch. Rotary electric switch.
Electric switch. Thermostatic switch.
Electrical switch. Tire deflation switch.
Instrument panel switch.
Switch. W. H. Lindae. 2,546,366, Mar. 27.
Switchboard, Magnet operated sealed. C. Marble and C. F. Ruckdeschel. 2,546,647, Mar. 27.
Switch for tubular lamps, Socket. J. M. Pistey. 2,546,778, Mar. 27.
Switch locking mechanism, Automatic safety. E. J. Krombolz. 2,546,454, Mar. 27.
Switching system, Telegraph. W. B. Blanton, F. L. Currie, and G. W. Janson. 2,546,627, Mar. 27.
Switching system, Telegraph. F. L. Currie and W. B. Blanton. 2,546,630, Mar. 27.
Synchronization of pulse communication systems. E. Peterson. 2,546,316, Mar. 27.
Synchronizer clutch. W. W. Henning. 2,546,746, Mar. 27.
Synchronizer device, Sprag type. F. W. Avila. 2,546,712, Mar. 27.
Synchronous, self-excited, self-regulated electrical machine. I. G. Taltavull. 2,546,877, Mar. 27.
Synthesis gas preparation. B. J. Mayland. 2,546,606, Mar. 27.
Synthesis of aromatic silane. A. J. Barry, L. De Pree, and D. E. Hook. 2,546,330, Mar. 27.
Synthesis of coumarans. W. K. T. Gleim. 2,546,499, Mar. 27.
Table: *See*—
Folding table.
Table for supporting a book facing downwardly, Bed. D. G. Webster. 2,546,283, Mar. 27.
Table or stool, Knockdown. L. Green. 2,546,439, Mar. 27.
Table with rotatable center, Serving. W. J. Waldon, Sr. 2,546,803, Mar. 27.
Tacker. H. E. Smyth. 2,546,527, Mar. 27.
Tag fastener. R. Holle. 2,546,303, Mar. 27.
Tail pipe for jet engines, Variable area. H. A. Berliner. 2,546,293, Mar. 27.
Take-up apparatus. E. D. Hanson, G. E. Henning, and S. M. Martin. 2,546,636, Mar. 27.
Take-up apparatus. D. C. Robson. 2,546,637, Mar. 27.
Tangential angle gauge. J. B. Wade. 2,546,532, Mar. 27.
Tank for roll film, Daylight developing. L. H. Harrison. 2,546,598, Mar. 27.
Taping machine with steam moistener for the tape. A. F. Shields. 2,546,873, Mar. 27.
Target assembly for cathode-ray tubes. G. Levy. 2,546,828, Mar. 27.
Telephone substation having hearing aid facilities. A. B. Desnoes. 2,546,334, Mar. 27.
Telephone system, Measured service. C. E. Lomax. 2,546,605, Mar. 27.
Temperature-compensated pressure-responsive diaphragm. E. A. Watson. 2,546,571, Mar. 27.
Temperature device in jet pipe of combustion turbine, Circumferentially arranged. J. F. Alcock. 2,546,415, Mar. 27.
Terminal plate, Color coded. A. P. Foster and J. L. Countryman. 2,546,854, Mar. 27.
Test apparatus, Electrical. A. H. A. Wynn. 2,546,248, Mar. 27.
Thermostatic switch. J. W. Myers. 2,546,471, Mar. 27.
Through flow type solenoid valve. H. G. Wasserlein. 2,546,325, Mar. 27.
Timer, Valve. W. D. Macgeorge. 2,546,695, Mar. 27.
Timing device for stethoscopes. I. A. Falk. 2,546,890, Mar. 27.
Tire casing, Pneumatic. J. W. Griffith. 2,546,858, Mar. 27.
Tire deflation switch. H. B. Foulks. 2,546,183, Mar. 27.
Tire rim remover with circumferentially distributed thrust. F. J. Miller and M. J. Graham. 2,546,900, Mar. 27.

Toaster, Electric. E. L. Snyder. 2,546,910, Mar. 27.
Toaster, Radiant. J. W. Steckbauer. 2,546,795, Mar. 27.
Tobacco can humidor cover. E. C. Hicks. 2,546,599, Mar. 27.
Tobacco cutting machine. G. Dearsley. 2,546,727, Mar. 27.
Tool: *See*—
Bicycle coaster brake disk aligning tool.
Boiler scaling tool.
Box tool.
Cutting tool.
Hydraulic side wall coring tool.
Hydraulically operable sidewall coring tool.
Machine tool.
Motor-driven tool.
Tool for handling open-ended spring retaining rings. L. W. Schaaff. 2,546,616, Mar. 27.
Tool for use in replacing insulators in switch banks. F. A. Anderson. 2,546,810, Mar. 27.
Tool joint wear collar. E. G. Boice. 2,546,295, Mar. 27.
Top, Spinning. S. J. Drobniewski. 2,546,218, Mar. 27.
Tower, Evaporative and capillarity. P. A. Sodano. 2,546,479, Mar. 27.
Toy automobile, Impulse propelled. H. W. Jenkins. 2,546,223, Mar. 27.
Toy bell, Ringing. A. Damast. 2,546,389, Mar. 27.
Toy, Combination roller. P. H. Herrick. 2,546,822, Mar. 27.
Toy, Sounding wheeled. J. F. Brice. 2,546,297, Mar. 27.
Tractor phosphate and lime distributor. S. Wonenberg. 2,546,576, Mar. 27.
Tractor wheel means, Adjustable. A. Koenig. 2,546,453, Mar. 27.
Trailer, Drag and disk. J. F. O'Connor. 2,546,472, Mar. 27.
Trailer hitch. D. D. Arehart. 2,546,206, Mar. 27.
Trailer hitch. J. H. Burnside. 2,546,664, Mar. 27.
Train controlling device. J. Merryweather. 2,546,468, Mar. 27.
Transmission. M. P. Winther. 2,546,378, Mar. 27.
Transmission, Variable-speed. M. R. Frazier. 2,546,856, Mar. 27.
Trap door arrangement, Vestibule. C. J. Beezhold. 2,546,626, Mar. 27.
Tray for instrument panels, Automobile. O. Z. Lee. 2,546,459, Mar. 27.
Tray, Freezing. R. E. Moore. 2,546,769, Mar. 27.
Treating big-end-down ingots. E. Marburg. 2,546,270, Mar. 27.
Treating liquid mixtures, Method and apparatus for. I. W. Lovelady. 2,546,269, Mar. 27.
Treating nonfibrous regenerated cellulose. W. M. Wooding. 2,546,575, Mar. 27.
Treating rice. R. W. Landon, P. Talmey, and G. Gutzeit. 2,546,456, Mar. 27.
Treatment of pulp. J. H. Holloway, R. S. Tabke, and A. N. Parrett. 2,546,749, Mar. 27.
Treatment of slags. J. C. Vignos. 2,546,936, Mar. 27.
Trip-rope releasing device. A. Krushelnicky. 2,546,191, Mar. 27.
Tripping mechanism for baling presses and the like. M. H. Tuft and J. R. West. 2,546,324, Mar. 27.
Truck, Including tilting means therefor, Hand. J. H. Sutherland. 2,546,876, Mar 27.
Truck refrigeration apparatus defrosting mechanism, Automotive. A. R. Clark. 2,546,723, Mar. 27.
Truck, Vertically adjustable furniture. M. F. Fehn. 2,546,539, Mar. 27.
Truing and balancing device for a face type diamond grinding wheel. E. Speicher. 2,546,529, Mar. 27.
Tube: *See*—
Self-closing tube.
Tube expander. E. B. Knowlton. 2,546,756, Mar. 27.
Tubular structure. E. C. Booth. 2,546,493, Mar. 27.
Turbine power plant, Internal-combustion. R. H. H. Barr. 2,546,420, Mar. 27.
Twist drill gauge. N. H. Swanson. 2,546,934, Mar. 27.
Umbrella. F. Martini. 2,546,228, Mar. 27.
Vaginal applicator. J. L. Jones. 2,546,754, Mar. 27.
Valve: *See*—
Compensator valve.
Flow control valve.
Flush valve.
Rotary mixing valve.
Sprinkler valve.
Through flow type solenoid valve.
Valve device, Pressure responsive. E. A. Rockwell. 2,546,678, Mar. 27.
Valve mechanism, Fluid distributing. R. O. Allen. 2,546,844, Mar. 27.
Valve-operating mechanism. J. L. Jameson. 2,546,263, Mar. 27.
Variable-speed reduction unit. D. F. Przybylski. 2,546,869, Mar. 27.
Vehicle: *See*—
Marsh vehicle.
Vehicle signal light. B. J. Prochazka. 2,546,404, Mar. 27.
Vehicle underframe and fabrication of members thereof. J. W. Owens. 2,546,232, Mar. 27.
Vehicle wheel. H. J. Horn. 2,546,508, Mar. 27.
Vending machine, Coin-controlled electrical. C. Gabrielsen. 2,546,690, Mar. 27.
Vending machine for newspapers and the like. C. H. Weaver. 2,546,352, Mar. 27.
Venetian blind. L. J. Znidarsic. 2,546,534, Mar. 27.
Venetian blind mechanism. R. Cusumano. 2,546,886, Mar. 27.
Vent means for oil-burning furnaces. A. J. Ritter. 2,546,409, Mar. 27.
Vessel having submerged capillary feeding means for the steam boiler, Jet propelled. G. E. Bittner. 2,546,210, Mar. 27.
Vibrating device. H. S. Wenander. 2,546,806, Mar. 27.
Vinyl allyl ether, Production of. G. Collardeau and M. L. A. Fluchaire. 2,546,431, Mar. 27.
Vise for sawing machines. G. F. Morrison and H. C. Frentzel. 2,546,196, Mar. 27.
Vise having releasable nut for quickly opening or closing the jaws, Screw-actuated. A. M. Sasgen and F. P. Hopfeld. 2,546,906, Mar. 27.
Visor, Hood reflection. G. R. Bybee. 2,546,495, Mar. 27.
Voltage system, Adjustable reference. R. R. Thatcher. 2,546,799, Mar. 27.
Wall structure. R. W. Anderson. 2,546,290, Mar. 27.
Wall structure of building blocks. J. B. Boyd. 2,546,356, Mar. 27.
Warp beam stopping mechanism. E. K. Bauer. 2,546,141, Mar. 27.
Washer: *See*—
Gas washer.
Washing device, Anchor chain. D. J. Marinch. 2,546,862, Mar. 27.
Water motor. M. D. Squiers. 2,546,240, Mar. 27.
Wear inhibitors for iron carbonyl. E. Bartholomew and H. C. Cross. 2,546,421, Mar. 27.
Web tensioning mechanism for printing presses. C. W. Pinckert. 2,546,372, Mar. 27.
Wellhead construction. G. A. Humason. 2,546,638, Mar. 27.
Wheel: *See*—
Vehicle wheel.
Wheel hoist and support, Rotatably and pivotally adjustable. C. E. Branick. 2,546,849, Mar. 27.
Winding arrangement in electrical apparatus. A. and F. A. Fry. 2,546,736, Mar. 27.
Winding machine. J. Sindelar. 2,546,908, Mar. 27.
Window, Auxiliary. B. J. Blackmore. 2,546,424, Mar. 27.
Window lock. J. Barry. 2,546,535, Mar. 27.
Wire wrapper and screwdriver, Combination. S. H. Wright. 2,546,489, Mar. 27.
Work feeding and holding mechanism for machine tools. G. F. Johnson. 2,546,752, Mar. 27.
Wrapping machinery and method. S. J. Campbell. 2,546,721, Mar. 27.
Wrench having pivoted outer-jaw provided with guide slot for handle jaw extension. A. V. Zelgert. 2,546,287, Mar. 27.
Zinc sulfide phosphor, Preparing. S. Rothschild. 2,546,239, Mar. 27.
Zirconium-hafnium separation process. K. Street, Jr. 2,546,953, Mar. 27.

CLASSIFICATION OF PATENTS

ISSUED MARCH 27, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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254— 16: 2,546,294
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187: 2,546,863
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190: 2,546,794
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

D 1—12: Des. 162,637
D 3— 4: Des. 162,614
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D21— 6: Des. 162,659
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D56— 1: Des. 162,670
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D59— 2: Des. 162,650
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D59— 2: Des. 162,652
D61— 1: Des. 162,630
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D63— 1: Des. 162,615
D74— 1: Des. 162,667
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D83— 1: Des. 162,655
D86— 8: Des. 162,625
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D87— 2: Des. 162,669
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D90—20: Des. 162,618
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U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business Mar. 9, 1951

Total number of patent applications awaiting action, 116,593. Date of oldest new application, March 11, 1950: date of oldest amended application, March 13, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M. (no classes)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	4-3-50	4-3-50	2675
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-2-50	5-1-50	1736
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	6-23-50	6-15-50	1586
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-13-50	3-13-50	2090
5. ROBINSON, C. W., Harvesters: Knotters: Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry: Fences: Gates.	3-17-50	3-17-50	1657
6. SURLE, H., Carbon Chemistry (part)	5-29-50	5-27-50	1748
7. GONSALVES, J. E., Optics; Photography (part)	8-15-50	8-5-50	1162
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	4-10-50	4-8-50	2166
9. BENSON, R. B., Pumps and Fans; Fluid Motors	4-4-50	3-20-50	1498
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-10-50	3-22-50	1288
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures: Nailing and Stapling.	4-13-50	3-27-50	1328
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-5-50	6-10-50	1325
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	4-4-50	4-4-50	1505
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-19-50	4-17-50	1542
15. HENKIN, B., Plastics: Plastic Block and Earthenware Apparatus: Glass	7-12-50	7-12-50	1131
16. LOVEWELL, N. N., Television; Telephony	6-1-50	5-25-50	1186
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-22-50	3-22-50	2172
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-15-50	3-22-50	1629
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-3-50	4-13-50	1338
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-4-50	4-6-50	1763
21. MADER, R. C., Textiles: Package and Article Carriers	3-22-50	3-31-50	1772
22. MARLAND, M. L., Aeronautics: Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-3-50	4-3-50	1287
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-11-50	4-14-50	866
24. DRACOPOULOS, P. T. (Acting), Apparel: Apparel Apparatus; Sewing Machines	7-18-50	7-11-50	1577
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators: Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-8-50	6-8-50	1534
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	4-6-50	4-1-50	1290
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	5-3-50	5-4-50	2192
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-8-50	3-29-50	1552
29. HABECKER, LEON B., Baggage: Cloth, Leather, and Rubber Receptacles: Button Making; Woodworking; Tools.	5-16-50	5-24-50	2115
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	7-10-50	7-11-50	1929
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-15-50	6-1-50	2089
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-16-50	5-12-50	1442
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-50	5-16-50	2052
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-14-50	4-8-50	1588
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	4-5-50	4-11-50	1788
36. McFADYEN, A. D., Measuring and Testing; Automatic Weighers; Weighing Scales	3-18-50	3-13-50	1720
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-17-50	5-11-50	1348
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	6-19-50	6-16-50	1231
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	3-27-50	3-27-50	2724
40. DRUMMOND, E. J., Receptacles (part); Packages	5-15-50	4-8-50	3056
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-10-50	4-10-50	1551

* Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 116,593. Date of oldest new application, March 11, 1950; date of oldest amended application, March 13, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	5-10-50	4-25-50	2082
43. ASP, NOGI A. (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-8-50	7-14-50	1041
44. HARVEY, L. P., Beds; Chairs, Seats	4-1-50	4-1-50	1634
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-11-50	4-25-50	1786
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	3-22-50	3-24-50	1328
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	4-26-50	4-20-50	1650
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	6-29-50	4-19-50	1106
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	5-2-50	4-18-50	1528
50. LEVIN, SAMUEL, Synthetic Resins	9-7-50	7-10-50	1456
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-22-50	4-17-50	1496
52. POPPE, W. A., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	3-29-50	3-31-50	3082
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	3-17-50	4-1-50	1044
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-3-50	4-8-50	1705
55. KLINE, J. R. (Acting), Artificial Body Members; Dentistry; Surgery; Toilet	6-29-50	7-7-50	1134
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-5-50	6-5-50	1753
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-10-50	7-18-50	1201
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-16-50	4-17-50	1342
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	6-2-50	5-22-50	1218
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	4-19-50	1298
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-22-50	4-12-50	1814
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-20-50	3-29-50	2226
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	7-6-50	7-3-50	1502
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	8-11-50	8-9-30	1742
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	6-17-50	6-17-50	1670
66. LISANN, I., Geometrical Instruments	5-3-50	5-2-50	962
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	6-10-50	6-26-50	1470
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-10-50	6-5-50	1658
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-14-50	3-13-50	1560
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-14-50	3-20-50	1955
DESIGNS: A. BREHM, G. L.	11-24-50	12-1-50	1202
DESIGNS: B. ANDREWS, D. D.	11-22-50	12-1-50	720

Total number of trade-mark applications awaiting action (including renewals and republications), 22,384. Date of oldest new application, June 15, 1950; date of oldest amended application, June 12, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	6-25-50	6-20-50	6411
II. SUMMERS, O. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	6-16-50	7-1-50	3919
Renewals (All Classes)	1-5-51	2-7-51	436
Republications (All Classes)	1-16-51	2-7-51	178
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-20-50	6-12-50	5927
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-15-50	6-13-50	5513

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE PAPPAS ET AL.

No. 5744. Decided December 5, 1950

[— F.2d —; 88 USPQ 108]

1. PATENTABILITY — INVENTION — DOUBT RESOLVED IN FAVOR OF APPLICANT.

Where the individual features of combination claims can be met only by modification of individual features found in the prior art, *Held* that patentability is in doubt and courts generally have been accustomed to resolving the doubt in favor of applicants.

2. SAME—PARTICULAR SUBJECT MATTER—AIRFOILS.

Certain claims to an airfoil section *Held* patentable over the prior art.

APPEAL from the Patent Office. Serial No. 568,802.

REVERSED.

Charles S. Wilson (*Eugene H. Purdy* of counsel) for appellants.

E. L. Reynolds (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner, hereinafter referred to simply as the Examiner, of the claims embraced in appellants' application for patent relating, according to the specification, "to airfoils and especially to an airfoil for airplanes characterized by a section or profile which gives greatly increased efficiency at high speeds." In Webster's New International Dictionary "airfoil" is defined as "Any surface, flat or curved, as a wing, aileron, or rudder, designed to obtain reaction upon its surfaces from the air through which it moves." [1]

No claims were held allowable.

When passed upon by the Examiner in his final decision, eight claims—numbered 8 to 14, inclusive, and 19—were involved. All were rejected by him and all were embraced in the appeal to the Board, whose decision sustained the conclusion of the Examiner.

Claims 8 and 11 were not included in the appeal to us, and in the brief filed for appellants before us it was requested that the appeal be dismissed as to claim 9. At the oral hearing before us its dismissal was moved by counsel for appellants, and the dismissal so sought is formally granted in the concluding portion of this decision.

So, there are involved before us only claims 10, 12, 13, 14, and 19.

These read as follows:

10. An airfoil section derived from a basic thickness distribution contour having a chord, an elliptical forebody the longitudinal axis of which coincides with said chord and the transverse axis of which is normal to the chord at a point situated aft from the leading edge approximately forty per cent (40%) of the length of the chord, and an afterbody convergent aft from the ends of said transverse axis.

12. An airfoil section having a high limiting Mach number wherein its forward portion is a substantial ellipse with its major axis cambered with respect to the chord of the airfoil and extending aft from the leading edge a distance approximately equalling sixty-five per cent (65%) of the length of said chord, and its aftward portion is tangential to the aft end of the forward portion and convergent to develop a relatively sharp trailing edge.

13. An airfoil section having a high limiting Mach number wherein its forward portion is a substantial ellipse with its major axis extending aft from the leading edge a distance approximately equalling sixty-five per cent (65%) of the length of the chord and having a maximum thickness of about eighteen per cent (18%) of the length of the chord at a point situated aft from the leading edge a distance equal to approximately forty per cent (40%) of the length of the chord, and its aftward portion tapers aft from the forward portion to a sharp trailing edge.

14. An airfoil section derived from a basic thickness distribution contour having a substantially elliptical por-

[1] The brief on behalf of appellants supplies a list of words used in their application and in the prior art, giving definitions of them "as generally accepted in aerodynamics," which we here reproduce as an aid in understanding the claimed invention and the prior art.

Airfoil:
is any surface or aircraft component, such as an airplane wing, aileron, rudder, or elevator designed and intended to react with the air through which it moves.

Wing:
is a general term applied to an airfoil designed to develop the major part of the lift for the airplane and thereby sustain it in flight.

Profile:
is a transverse section through an airfoil and illustrates its configuration, shape or contour.

Leading Edge:
is the foremost or forward edge of an airfoil with reference to its direction of movement through the air, i. e., the edge thereof first penetrating and dividing the air for flow over the airfoil surfaces. While a profile literally does not have edges, that portion of the profile coinciding with the leading edge of the airfoil is universally designated as the leading edge.

Trailing Edge:
is the rearmost or aft edge of an airfoil with reference to the direction of movement through the air. While an airfoil literally does not have edges, that portion of the profile coinciding with the trailing edge of the airfoil is universally designated the trailing edge.

Chord:
is an arbitrary datum line from and by which the ordinates and angles of an airfoil are measured. It is the shortest distance between the leading and trailing edges of the profile and is represented by a straight line between these points.

Camber:
is the rise of the curve of the profile of an airfoil from the chord and is usually expressed as the ratio of the amount of departure of this curve from the chord of the profile to the length of the chord.

Maximum Thickness:
is just what the term implies, viz., the greatest thickness of the profile measured on a line normal to the

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tion extending aft from the leading edge approximately sixty-five per cent (65%) of the length of its chord, a maximum thickness of about eighteen per cent (18%) of the length of its chord in a plane normal to the chord situated aft of the leading edge approximately forty per cent (40%) of the length of the chord, and a generally wedge shaped aft portion having its upper and lower surfaces tangential to the aft end of the elliptical portion.

19. An airfoil section derived from a basic thickness contour having a symmetrical, elliptical forebody extending aft from the leading edge approximately 65% of the length of the chord, a maximum thickness of not more than 18% of the length of the chord situated aft of the leading edge about 40% of the length of the chord, and an afterbody extending over substantially 35% of the chord having its forward end tangential to the aft end of the forebody and its upper and lower surfaces generally converging to a relatively sharp trailing edge.

In its decision the Board criticized the form of the claims with some vigor, and the brief on behalf of appellants before us responds to the criticism with even greater vigor, but it is noted that after its criticism the Board said:

• • • Since the Primary Examiner has not raised any questions as to the form of the claims, however, we will consider them in the manner the Primary Examiner seemed to have understood as intended by applicants instead of as they appear.

In view of that statement, any question which might have existed as to the form of the claims, in our opinion, became moot so far as this proceeding is concerned. No reference is made to it in the Reasons of Appeal, and we do not feel that it is incumbent upon this court to attempt to settle any issue respecting the form of the claims.

It was the view of the Examiner that the differences between the claims and the disclosures of the prior art constituted "merely an adjustment of proportion and a change in degree rather than a change in kind." This view was sustained by the Board, which seems to have been of opinion that at least some of the features of the prior art are anticipatory of the claims. Hence, the brief for appellants asserts:

• • • The instant appeal therefore involves two primary points relating to the merits of claims 10, 12, 13, 14 and 19, to wit:

A. That the manifest and conceded differences between the appellants' airfoil and the disclosures of the prior art amount to invention in that they are differences in kind rather than a matter of degree; and

B. That claims 10, 12, 13, 14 and 19 are patentable over the references cited and relied on by the Patent Office.

The first point is essentially a question of invention, while the second is one of anticipation and it is contended that the Board of Appeals erred in deciding both.

The references listed in the statement of the Examiner following the appeal to the Board, as being relied on, consist of the following patents: Stalker, 2,041,792, May 26, 1936; Mitsubishi (French), 643,308, Sept. 14, 1928; Herrick (British), 375,327, June 14, 1932; Taylor et al. (British), 525,666, Sept. 2, 1940; Ludington et al., 2,408,788, Oct. 8, 1946; Klemm, 2,123,429, July 12, 1938.

Each of these was briefly analyzed by the Examiner, as hereinafter set forth.

They are also listed by the Board and separately referred to in the text of its decision.

In the Examiner's statement certain drawings stated to be from Reports 460 and 610 of the National Advisory Committee for Aeronautics (subsequently referred to as N. A. C. A.) are reproduced with comment, and in the decision of the Board they are discussed along with certain of the patents formally listed as references, but the reports themselves are not so listed, and we have been somewhat puzzled as to their technical status in the record. All that the brief of the Solicitor for the Patent Office says concerning them is that the figures speak for themselves. In the brief for appellants, while they are discussed at length and as if they were references, it is said:

The Primary Examiner refers to the N. A. C. A. four digit and five digit families merely as a part of the review of airfoil theory in his statement • • • • • • At no point in his statement does he attempt to employ these families as references on which to reject the appealed claims. Therefore, it is difficult to understand the inclusion of the N. A. C. A. families of airfoils by the Board of Appeals with the references relied on by the Examiner to support its conclusion that the profiles shown in the references relied on and the profiles of the four digit and five digit families of airfoils, as well as that of appellants have the same general form and outline • • •, when even the most superficial comparison shows that they are all radically and materially different one from the other.

From our study of the record, we are of opinion that, even if intended as formal prior art references, they are only cumulative and consideration of them is not essential in deciding the case. In the final decision of the Examiner he made reference to a patent to one (B. N.) Wallis. It was not listed as a reference and was not referred to in his statement following the appeal to the Board, nor did the Board refer to it. Notwithstanding this it was included in the record certified to us with the appeal, and it is discussed (we assume as a matter of precaution) in the brief for appellants, which, of course, was filed before that of the Solicitor for the Patent Office. In the brief of the latter it is said:

The patent to Wallis, No. 2,157,042 • • •, was not discussed either in the Examiner's statement or in the Board's decision, and hence is not now advanced as a reference patent.

So, no further attention to the Wallis patent is required here, and only those patents specifically listed in the Examiner's statement and repeated in the Board's decision will be considered as the prior art.

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chord and is usually expressed as a percentage of the chord length.

Thickness Ratio:
is primarily the ratio of the maximum thickness of the profile of an airfoil to the length of the chord, and is also used to denote the ratio of the thickness of the profile at any point along the chord to the chord length.

Angle of Attack:
is the angle between the chord of the profile of an airfoil and the wind direction relative to the airfoil, or the angle between the chord and the path of movement of the center of gravity of the airplane, both of these angles being the same.

Drag:
is the total resistance of the airfoil to the flow of air over its surfaces.

Mach Number:
is the ratio of the velocity of an airfoil in flight to the speed of sound.

Reynolds Number:
is a parameter or constant being a nondimensional coefficient used as a measure of the dynamic similarity of airflows. It is mathematically expressed as:

$$RN = \frac{\mu VL}{\rho}$$

where RN is Reynolds Number, μ (mu) the viscosity of the air, V the velocity of the airfoil through the air, L is the chord length of the profile and ρ (rho) is the density of the air.

However, once the airfoil and its profile is designed and determined its RN may be calculated. Since all airfoils with the same RN behave similarly with respect to air flow, a scale model of an airfoil therefore will perform in a wind tunnel the same as a full size airfoil with the same RN in flight.

We note that in the brief of the Solicitor for the Patent Office it is said:

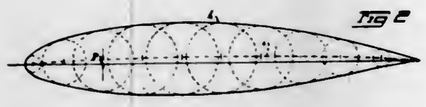
• • • Generally speaking, the several reference patents contain much that is not directly pertinent to the claims and issues under review. *The pertinent portions are, indeed, brief.* [Italics supplied by us.]

A study of the references confirms the correctness of the observation.

While appellants' specification describes their claimed profile in mathematical detail, using mathematical terms, their brief states, in substance that it does not appear necessary to an understanding of the terms of the claims to go into the mathematics involved, and this view is supported in the brief of the Solicitor for the Patent Office.

As an aid in describing the profile, we here reproduce the two figures of appellants' drawings.





Appellants' specification states:

Mathematical analysis and wind tunnel tests both demonstrate that the closest approximation to the ideal "high limiting Mach number" airfoil for very high speeds is attained when the leading portion of the profile of the airfoil comprises a substantial ellipse having its longitudinal axis extending in the general direction of the flight of the airfoil and with vertex coinciding with the leading edge of the airfoil.

It may be observed from an inspection of Fig. 1, supra, that appellants disclose a basic profile OBCC'B'O, the rear portion being the curved dotted line running from C to C". The profile so shown is a perfect ellipse, and O is at its so-called "leading edge."

As we understand it, the section illustrated by the curved dotted line running aft the perpendicular line from C to C' is not made a structural part of the profile, but beginning at C and C' the ellipse merges with or is blended into a cusped section outlined by CDC' which constitutes the trailing edge of the profile, such trailing edge being relatively sharp as shown by the slope of the tangential lines from C and C' to D. In the actual structure the elliptical portion, referred to as the forebody, ends as indicated by the perpendicular line CC'.

The specification of the application states:

Should the ellipse of the leading portion or forebody of the airfoil be uniformly continued to and including the trailing edge, the latter would be too blunt and too thick aerodynamically. Therefore a relatively sharp trailing edge portion is developed and provided, smoothly blending with the elliptical forward portion of the airfoil.

In Fig. 1, supra, the line drawn horizontally through the center is intended to indicate what is called the chord of the profile. This feature, together with other features shown in the drawings, is described in the decision of the Board as follows:

• • • A straight line extending from the leading edge to the trailing edge is named in the art "a chord" and it is illustrated in Fig. 1 of the application drawing as O—x. In the design of a profile, the distribution of what appellants term "thickness" is first considered. The quoted term refers to the vertical measurements of the basic design before it is distorted by bending its horizontal axis. Applicants distribute the thickness in accordance with the contour illustrated in Fig. 1. This contour commences at the "leading edge" by a circular arc merging above and below the axis into elliptical arcs. The latter terminate at the points C and C' where they tangentially merge into somewhat straighter lines, the latter converging to meet the chord at the point. The thickness distribution is represented by a symmetrical outline as shown in Fig. 1. The section or profile of the airfoil may be modified from this outline in the manner shown in Fig. 2. In effect, this modification consists in applying a camber to the chord as shown at i in Fig. 2. The camber line is obviously somewhat longer than the chord and the elliptical and other portions of the profile are modified by making their shortest distances from points on the camber line i equal to their vertical distances from the chord as measured on the basic thickness distribution profile shown in Fig. 1. This modification by the application of a camber to the chord in effect bends the profile from its symmetrical form as shown in Fig. 1 to the form shown in Fig. 2. The camber is normally in the upward direction and has its effect upon the properties of the airfoil, modifying its lift, its drag and other features.

The disclosure also specifies that the point C, at which the elliptical part of the outline terminates, is at a point 65 per cent of the length of the chord from the leading edge. This obviously requires the tapering "afterbody" profile to extend 35 per cent of the length of the chord.

It may be said that the circle shown adjacent the leading edge in both figures, identified by "k" in Fig. 1, is referred to in the specification as an osculatory circle—i. e., it touches the line of the ellipse at at least two points. It does not appear to have any particular significance relating to the issues before us, and the same is true of features identified by various other small letters. The letter "i" in Fig. 2 identifies a "mean camber line" which the specification says may be of any desired shape.

The claims, of course, read upon the particular features of the drawings which have been described and no further analysis of the drawings seems to be necessary.

We here quote the Examiner's description of what he evidently regarded as the pertinent features of the several references listed:

(In describing the Herrick patent certain of the letters used as indicators of features were included by the Examiner. Since we do not reproduce the Herrick drawing, because it is thought his profile may be visualized without it, we omit the designating letters as indicated by asterisks.)

Herrick

This patent shows a profile which is adapted for use in either direction of operation. For this reason it does not have the customary sharp trailing edge.

In describing the profile the patentee states:

A very satisfactory method of deriving the symmetrical profile or contour of the wing is to distort an ellipse whose original major axis is the chord of the profile and whose minor axis is the maximum thickness . . .

In Fig. 1 the patentee shows how this is carried out. The ellipse • • • is laid out with • • • a major axis and • • • a minor axis. A mean camber line in the form of an arc is drawn through [the profile from end to end]. This happens to be a circular arc but obviously other curves may be chosen as the patentee states, for example, a conic section curve or arc of any suitable mathematical curve.

The ordinates of the ellipse • • • are transposed so that the minor axis is • • • [as indicated by a perpendicular center line] and the ellipse assumes the shape shown in full lines • • •.

Mitsubishi.

This patent shows a wing composed of an elliptical spar which comprises the forebody of the wing to which is attached a cusped trailing edge.

Klemm

This patent is similar to Mitsubishi. The patentee states, on line 21 of page 1, that the wing is provided with an elliptical spar cross section. To this is attached a cusped trailing edge.

Stalker

Particular attention is directed to Figs. 13 and 14 which show the manner in which the profile is laid out by applicant to be conventional. In other words, the mean camber line is drawn and then using this as a line of centers circles are drawn with the profile curve tangent to those circles.

Taylor

This patent has for its object to provide an improved form of profile for the purpose of delaying the occurrence of velocities equal to the speed of sound on the airfoil surface until higher speeds are attained than would be possible with wings which have the point of maximum thickness between 20 and 30 percent of the chord.

To accomplish this result the patentee suggests that the point of maximum thickness be moved progressively toward the rear of the section.

Ludington et al.

The teachings of this patent are similar to Taylor. Figs. 3A, 3C, 7, and 8 all show profiles with the thickest section near the midpoint of the chord.

The Examiner finally rejected all the claims before him (8–14, and 19) "on Herrick, Klemm, or Mitsubishi taken with Taylor or Ludington et al."

The major portion of his discussion accompanied his rejection of claim 8. Claims 9 and 11 he held to be similar to claim 8 but "broader in scope." They were held to read directly "on the Klemm and Mitsubishi patents," and the other patents were not referred to in rejecting those two.

As hereinbefore stated, those three claims are not before us for consideration, but it has been found necessary to make some study of them, because the Examiner's principal discussion of the prior art is found in connection with claim 8, as has been stated, and most of the discussion of the prior art by the Board is found in connection with its affirmance of the rejection of claims 9 and 11.

The Board made no specific reference to either claim 10 or 12. Of the latter the Examiner said only, "Claim 12 is similar to claim 8 and stands rejected for the same reasons." Of the former he said:

> Claim 10 is similar to claim 8 and stands rejected on the same references for the same reasons. The definition limits the minor axis of the elliptical forebody to a position at 40% of the chord. This is just another way of expressing in an indirect manner the length of the wedge-shaped trailing edge with relation to the forebody. By varying the length of the wedge-shaped trailing edge the location of the minor axis with respect to the wing chord can be varied in percent of the total chord.

It is noted that a feature of claim 10 is the specification that the transverse axis of the airfoil section is "at a point situated aft from the leading edge approximately forty per cent (40%) of the length of the chord." That percentage feature, which is similarly expressed in appealed claims 13, 14, and 19, does not appear to have been in any one of claims 8, 9, or 11.

The feature of an axis cambered with respect to the chord of the airfoil is recited in only claim 12 of the claims before us. It was not present in either claim 8, 9, or 11. Appellants' brief seems to make it clear that this feature is not relied upon to lend patentability to the claim.

Claim 10 defines the transverse axis indicated by the line BB' as being situated "aft from the leading edge approximately forty per cent (40%) of the length of the chord [OD]." It is thus defined also in claims 14 and 19. There was no reference to its situation in claim 8 or 9 or 11.

Claim 12 defines the major axis of the forward portion of the ellipse, identified by that portion of the so-called chord line OD, extending from O to the perpendicular line CC' as "extending aft from the leading edge a distance approximately equalling sixty-five per cent (65%) of the [over-all] length of the chord." It is thus defined in claims 13, 14, and 19, and was so defined in claim 8.

A feature named in claims 12 and 13 is "a high limiting Mach number." This is defined in the footnote, supra, as the ratio of the velocity of an airfoil in flight to the speed of sound. In claim 11 "a high limiting Mach number" was specified. It was not present in claims 8 and 9, nor is it found in any other of the claims before us.

Claims 13, 14, and 19 all define a maximum thickness—i. e., a thickness on a line normal to the chord OD (or Ox) of "about eighteen per cent (18%) of the length of the chord." No percentage factor is designated in claim 10 or 12, nor was any expressed in claim 8, 9, or 11.

Claim 19 embraces all the percentage recitals of claims 12, 13, and 14, and in addition thereto recites that the afterbody [the portion shown between the perpendicular line CC' to D] extends "over substantially 35% of the chord [OD]."

The Board said of the claims now before us that they are more specific to the proportions and dimensions of the profile than claims 9 and 11, and that claim 19 may be taken as illustrative of them.

Omitting, as indicated by asterisks, what the Board said of the N. A. C. A. reports, which, as has been stated, we deem merely cumulative, its discussion of claim 19 is as follows:

> • • • This claim specifies that the elliptical forebody of the airfoil section extends approximately 65 per cent of the length of the chord from the leading edge. The patent to Herrick discloses a symmetrical, elliptical body of the basic thickness contour in which the elliptical portion extends aft 100 per cent from the leading edge. Certainly, if a tapering afterbody of the character disclosed in the Mitsubishi and Klemm patents were applied to the Herrick section, the forebody would extend at least approximately 65 per cent of the length of the chord. However, it is the position of the Primary Examiner that such features as the location of the termination point of the elliptical forebody, the maximum thickness and its location are matters of design and not invention. It is not clear that any surprising results have ensued because of these features.
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> • • • • • • • • •
>
> • • • The patent to Taylor clearly directs the movement of the point of maximum thickness aft from the normal position at .35 of the chord in the profile of an airfoil designed for high speed of the character of that referred to by applicants. It is our view that the prior art suggests every feature of the section defined in the claims and that the claimed section does not depart from the prior art sections to an extent resulting in a difference in kind. The affidavits of record do not establish that the proportions claimed are critical nor that a departure from these proportions has resulted in failure or markedly decreased efficiency of airfoils otherwise constructed in accordance with the claims.

In previous parts of its decision the Board had stated that the patent to Herrick "discloses an airfoil in the form of a wing which has a profile which is derived from a basic thickness distribution contour in the form of an ellipse"; and that the profile section of the wing referred to as "oval" in the Mitsubishi specification may "reasonably be translated as 'elliptical.'" (It is noted that this is a French patent issued to a Japanese firm, published September 14, 1928.)

The portion alluded to is shown as 2 in Fig. 2 of the patent drawings. To us it seems to be clearly elliptical in shape. We note, however, that the Board said:

> • • • The patentee does not disclose that the portion 2 is given its form because of any aerodynamic considerations but instead is concerned primarily with the structural features of the wing.

As to the Klemm patent which the Examiner described as being "similar to Mitsubishi," meaning, we assume, with respect to the elliptical feature, the Board said:

> • • • [It] discloses an aircraft wing which, when completed, will have a profile consisting of an elliptical forebody • • • and an afterbody • • • tapering aft from the maximum thickness of the contour to a relatively sharp trailing edge. Inspection of the drawing of the Klemm patent does not reveal that the forebody • • • is elliptical and it is described as forming with the member 3 "an egg-shaped cross section." It is, however, clearly described on page 1, first column, line 21 as "elliptical."

Continuing the Board said:

> • • • If it is found that the Mitsubishi patent or the Klemm patent cannot be reasonably said to disclose an elliptical forebody, we are of the opinion that it would not involve invention to modify the profiles disclosed in these patents to make them truly and mathematically elliptical in view of the Herrick patent. This patent discloses a truly elliptical basic thickness distribution contour • • •, having the chord or major axis • • •. The airfoil section is derived from this basic distribution contour in exactly the same manner that applicants derive their section from the basic contour, that is, by use of the contour line • • •, which results in the airfoil section shown in full lines on the drawing. This airfoil section is symmetrical in its forward and after portions apparently for the reason that the patentee desired to operate it in either of two opposite directions as in a reversible thrust propeller. It is also apparent that it would involve no invention to provide the airfoil section disclosed in the Herrick patent with the usual sharp trailing edge in view of the Mitsubishi patent, the Klemm patent as well as other references of record.

Of the feature, "a high limiting Mach number," named in claims 12 and 13, the Board said, in discussing it in connection with its approval of the Examiner's rejection of claim 11:

> • • • The quoted phrase might be considered as a functional phrase so that one would expect that an airfoil made with a forward portion and an after portion in accordance with the terms of the claim would, because of these features, have a high limiting Mach number. If this is the fact, then obviously the airfoil sections disclosed in the prior art patents, such as the patent to Mitsubishi, would also have a high limiting Mach number. However, the only limitative meaning which can be said to be imported into the claim by the quoted phrase is that the airfoil made with the section defined in the claim has a feature which will give it a high limiting Mach number. A Mach number is the quotient of the speed of air and the speed of sound. It is used in compressibility calculations. We have found no definition of the term "limiting Mach number" but the "critical Mach number" is the Mach number at which air attains the speed of sound when flowing past some point on an airplane.

As we understand the foregoing, it simply means that a high limiting Mach number—"the ratio of the velocity of an airfoil in flight to the speed of sound"—is a result which flows from the arrangement followed in appellants' structure and that such result would flow from the arrangement of structure in the prior art.

This does not seem to us to be a particularly material limitation in the two claims. We do not understand appellants to contend that it is a critical feature, but, however this may be, it is not regarded important in view of our conclusion upon the case as a whole.

There are certain affidavits in the record which we have studied with care and found helpful to an understanding of appellants' device. It is noted that the Board said of one of them:

> The affidavit of Mulholland is convincing that the design of an airfoil in accordance with the application on appeal, because of the mathematical nature of the outline of its profile, facilitates the calculations involved in developing the airfoil. It may be conceded that calculations of properties of any bodies of the character of airfoils are facilitated if the forms may be defined in mathematical terms but this does not import invention into the claims.

While we do not rest our conclusion upon the affidavits presented, we have the feeling that they are entitled to more weight in determining the controversy than the tribunals of the Patent Office felt was their due.

In view of our conclusion, based upon the facts found and descriptions recited, we do not deem it necessary to quote, or paraphrase at length, the arguments presented on behalf of appellants.

The claims before us are combination claims in which the individual features that make up the combination are quite distinctly specified. The cited prior art, of course, does not disclose any such combination, nor does it seem to us to suggest such a combination.

So far as individual features are concerned, it is true that Herrick indisputably discloses a perfect geometrical ellipse (it is insisted on appellants' behalf that his is the only prior art reference "that discloses, describes, or even mentions an ellipse in defining the profile of an airfoil"), but it must be remembered that Herrick's profile purports to be designed for operation in either direction—that is, for flying either forwardly or backwardly—(incidentally it is said to be applicable to windmills as well as to airplanes) and has the same thickness of edges. It is not seen how it could be combined with a cusped trailing edge. At any rate, there would seem to be no point in making such a combination, assuming it to be possible.

As already has been indicated herein, an inspection of the Mitsubishi drawing leads us to conclude that its profile, while described as oval is, in fact, an ellipse in the strictly geometrical meaning of that term, but it does not appear in the same structural arrangement, nor is there any satisfactory teaching that its purpose in the patent corresponds to the purpose of the elliptical portion of appellants' profile.

It seems to be conceded that in order to make the prior art conform to the provision in claim 19 (the only claim in which it appears) of "an afterbody extending over substantially 35% of the chord • • •" material modification of such prior art would be required.

[1] In nearly all cases where the individual features of combination claims can be met only by modification of individual features found in prior

art, difficulty arises in determining whether invention is present. The courts generally have been accustomed to resolve doubt on the question of patentability in favor of applicants. This court has considered that to be a "well established rule." *In re Herchenrider*, 28 CCPA (Patents) 876, 117 F.2d 261, 48 USPQ 393, 525 O. G. 544.

It is our conclusion that the instant case is one in which the rule should be applied, and it is so adjudged.

[2] The appeal is dismissed as to claim 9, and the decision affirming the rejection by the Primary Examiner of claims 10, 12, 13, 14, and 19 is reversed.

REVERSED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,993,531, H. J. Shivell, Picker check strap, D. C., W. D. S. C. (Greenville), Doc. 1108, *Slip-Not Belting Corp. v. Johnson Belting Co., Inc.* Action dismissed by consent Feb. 13, 1951.

1,994,950, C. W. Hoffritz, Illuminated dial, filed Feb. 14, 1951, D. C., S. D. N. Y., Doc. 64/174, *C. W. Hoffritz et al. v. M. Stern.*

2,010,730, A. H. Lloyd, Centerless grinding machine, appeal filed Feb. 13, 1951, C. C. A., 2d Cir., Doc. 21952, *Landis Machine Co. v. Parker-Kalon Corp. et al.*

2,142,073, 2,142,074, O. C. Dobbs, Truss for human rupture, filed Jan. 10, 1951, D. C., N. D. Ala. (Birmingham), Doc. 6634, *Dobbs-Truss Co., Inc., et al. v. The Dobbs Truss Co., Inc., et al.*

2,142,074. (See 2,142,073.)

2,150,503, R. C. Hawkins, Barrel truck, D. C., S. D. Calif. (Los Angeles), Doc. 9619–PH, *Universal Truck Co. v. Utilities Supply Co., Inc.* Claims 3 and 4 held invalid; judgment for defendants (notice Feb. 14, 1951).

2,192,525, Rosaire & Horvitz, Geophysical prospecting method; 2,324,085, same, Geochemical well logging, filed Feb. 16, 1951, D. C., S. D. Tex. (Houston), Doc. 5985, *E. E. Rosaire v. Baroid Sales Division et al.*

2,206,922, A. L. Smith, Means and method for locating oil bearing sands, filed Feb. 15, 1951, D. C., S. D. Tex. (Houston), Doc. 5983, *A. L. Smith et al. v. Baroid Sales Division et al.*

2,208,374, H. M. Lewis, Television receiving system, D. C., N. D. Ill. (Chicago), Doc. 48c731, *Hazeltine Research, Inc. v. Admiral Corp.* Judgment for plaintiff granting injunction Dec. 11, 1950.

2,324,085. (See 2,192,525.)

2,434,363, F. J. Lenox, Spool, appeal filed Feb. 14, 1951, C. C. A., 2d Cir., Doc. 21955, *F. J. Lenox v. Landers Printing & Cut Out Co.*

2,451,701, W. Wagner, Terminal replacement for sealed refrigeration units, D. C., S. D. N. Y., Doc. 60/154, *The U. S. A. v. Sealed Unit Parts Co., Inc.* Stipulation and order of discontinuance (notice Feb. 14, 1951).

2,466,374, Caldwell & Curtis, Electric switch; 2,489,750, J. R. Caldwell, same, filed Sept. 25, 1950, D. C., N. D. Ala. (Birmingham), Doc. 6583, *Southern States Equipment Corp. v. USCO Power Equipment Corp., Inc.*

2,489,750. (See 2,466,374.)

2,518,297, M. D. Ercolino, High-frequency antenna, filed Jan. 26, 1951, D. C. N. J. (Trenton), Doc. 99/51, *Channell Master Corp. v. Telrex, Inc.*

2,521,246, D. Newhouse, Shoe-form, D. C., S. D. N. Y., Doc. 63/34, *D. Newhouse v. Brum-Bric Corp.* Stipulation and order of dismissal (notice Feb. 6, 1951).

2,528,794, C. Seidler, Attachment for suspending clothing in automobiles, filed Feb. 14, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12891, *Hang-All Corp. v. Pacific Coast Products.*

2,531,189, D. M. Abel, Artist's sketch box, filed Feb. 9, 1951, D. C., S. D. N. Y., Doc. 64/139, *D. Blau v. H. Schliftman et al.*

Des. 150,851, J. B. Grinoch, Pleated necktie, filed Feb. 9, 1951, D. C., S. D. N. Y., Doc. 64/140, *J. B. Grinoch v. Hermann Spielman & Son, Inc.*

Des. 151,702, M. MacPherson, Dress, D. C., S. D. N. Y., Doc. 49/317, *Alexander S. Gross & Bro., Inc. v. Westover Fashions, Inc.* Consent judgment, defendant enjoined Feb. 14, 1951.

Des. 152,018, B. F. Playford, Stocking, D. C., S. D. N. Y., Doc. 50/478, *B. F. Playford v. Se-Ling Hosiery, Inc., et al.* Stipulation and order dismissing action Apr. 14, 1951.

Des. 154,095, Des. 154,096, M. Boucher, Brooch, D. C., S. D. N. Y., Doc. 53/339, *Marcel Boucher et al. v. Kaslo Costume Jewelry Co.* Stipulation and order of discontinuance Feb. 9, 1951.

Des. 154,096. (See Des. 154,095.)

Des. 156,042, Q. Sandler, Scarf, D. C., S. D. N. Y., Doc. 61/288, *Sherry Fashions, Inc. v. Bear & Beards, Inc., et al.* Stipulation and order of discontinuance (notice Feb. 7, 1951).

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 408,740, Princeton Silk Co., Piece goods, filed Feb. 5, 1951, D. C., S. D. N. Y., Doc. 64/88, *Princeton Silk Co. et al. v. Kandro Fabrics.*

T. M. 531,724, Library Service, Transparent protective cover for paper book jackets, filed Feb. 6, 1949, D. C., S. D. N. Y., Doc. 64/112, *Library Service v. Chas. F. Hubbs & Co., Inc., et al.*

NOTICES

Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

An application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066):

Charles S. Satterthwait 1,969,279 August 7, 1934
For: Pads For Toy Train Tracks

Any person who believes that he could be injured by the extension of the above-cited patent may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

JOHN A. MARZALL,
Commissioner.

Adjudicated Patents

(D. C. Mich.) Fageol Patent No. 1,737,966, for a delivery truck. Claim 7 *Held* invalid. *Metropolitan Body Co. v. Divco Corp.*, 94 F. Supp. 731; 88 USPQ 240.

(C. A. Okla.) Fletcher Patent No. 1,856,627, for a cutter for earth boring drills, *Held* valid and infringed. *Williams v. Hughes Tool Co.*, 186 F.2d 278; 87 USPQ 354.

(D. C. Mich.) Herman Patent No. 1,957,645, for a delivery vehicle. Claims 1–3 *Held* invalid. *Metropolitan Body Co. v. Divco Corp.*, 94 F. Supp. 731; 88 USPQ 240.

(C. A. Okla.) Scott et al. Patent No. 1,983,316, for a three-cone bit, *Held* valid and infringed. *Williams v. Hughes Tool Co.*, 186 F.2d 278; 87 USPQ 354.

(D. C. Mich.) Nicol Patent No. 2,233,323, for a vehicle. Claims 4, 9, and 13 *Held* invalid. *Metropolitan Body Co. v. Divco Corp.*, 94 F. Supp. 731; 88 USPQ 240.

(D. C. Calif.) Harrigan Patent No. 2,240,817, for an air distributing device. Claims 1, 2, and 5 *Held* valid and not infringed. *Air Devices Inc. v. Air Factors Inc.*, 94 F. Supp. 819.

(D. C. Iowa) Hunt Patent No. 2,300,157, for a feather-picking apparatus for fowls and the like. Claims 2, 3, 7, 10, 12, 14, 17, and 19 *Held* valid and infringed. *Mueller v. Pickwick Corp.*, 94 F. Supp. 742; 74 USPQ 290.

(D. C. Calif) Garbell Patent No. 2,441,758, for a fluid-foil lifting surface. Claims 1–3, 5, 6, and 12 *Held* valid and infringed. *Maurice A. Garbell, Inc. v. Consolidated Vultee Aircraft Corp.*, 94 F. Supp. 843; 88 USPQ 59.

(C. A. Md.) Eppler Patent No. 2,462,480, for a polishing method and apparatus. Claims 15 and 21 *Held* infringed but invalid. *Vapor Blast Mfg. Co. v. Pangborn Corp.*, 186 F.2d 230; 87 USPQ 65.

Disclaimers

2,092,337.—*Lloyd Spencer*, Los Angeles, Calif. FORMATION TESTING APPARATUS. Patent dated Sept. 7, 1937. Disclaimer filed Mar. 1, 1951, by the assignee, *Lane-Wells Company.*

Hereby disclaims claims 5, 7, 9, 10, 13, 14, 15, 18, 22, and 28 of said patent.

2,233,323.—*John Nicol*, Detroit, Mich. VEHICLE. Patent dated Feb. 25, 1941. Disclaimer filed Feb. 27, 1951, by the assignee, *Divco Corporation.*

Hereby enters this disclaimer to claims 4, 9, and 13 of said patent.

2,296,822.—*Edward R. Wolfert*, Springfield, Mass. AIR CONDITIONING APPARATUS. Patent dated Sept. 22, 1942. Disclaimer filed Feb. 16, 1951, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claims 1, 2, 14, and 15 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,535,403. Appliance for Dual Heading of Hollow Rivets. Patented Dec. 26, 1950. This riveting tool has an axially movable stem with a head on which a resilient bush is mounted for inserting into a hollow open-ended rivet. An anvil mounted on the stem and slidable in an annular guide has a reduced portion to enter the rivet. Anvil and guide are independently connected by toggle links to a pair of pivotally attached levers. The stem is attached to the pivot pin of the levers. Actuation of the toggle mechanism with the rivet inserted through aperture in a workpiece and secured to the stem effects continual opposite movements of stem and anvil to expand and buckle portions of the rivet over both sides of workpiece. (Owner) Robert E. Froggatt. Correspondence to Glascock, Downing & Seebold, National Press Building, 14th and F Sts., N. W., Washington 4, D. C. Group 35—69. Reg. No. 40,286.

Pat. 2,531,860. Safety Cap for Gas Tanks. Patented Nov. 28, 1950. A spring cap for gas tanks, etc. An arm on under surface of cap has depending sides with outwardly extending holding portions. A spring-pressed arm beneath cap arm has arcuate ends with feet to rest on edge of opening. As cap is applied, the cap and cap arm are depressed onto the holding arm, compressing the spring and releasing the holding portions to engage edge of tank opening as cap is rotated. (Owner) Charles E. O'Neal, Jr., Route 5, Box 55, Jackson, Miss. Group 38—31. Reg. No. 40,287.

Pat. 2,523,952. Adjustable Clamp to Make Strike Plates Adjustable. Patented Sept. 26, 1950. Adjustable clamps for securing a strike plate to a door jamb. The clamps have spaced parallel portions joined by a slotted portion and are positioned in the cavities in the door jamb for the latch and lock bolts of the door lock. The strike plate is secured to the door jamb by machine screws which are receivable in the elongated slots in the clamps. The strike plate can be adjusted backward or forward to compensate for the play of the door or may be adjusted sideways to permit alignment of the lock and latch bolts of the door. (Owner) Wesley C. Heinen, % Ernest D. Heinen, 63 Vought Place, Stratford, Conn. Group 33—59. Reg. No. 40,288.

Pat. 2,535,500. Plate and Dish Warming Dining Table. Patented Dec. 26, 1950. Dining table has a heating arrangement for warming individual place settings and serving dishes. Each heating unit has a screen-covered dome-shaped reflector, the rim being secured to under side of table top and the screen forming part of table top. A lamp socket is provided at center of each reflector. The supply circuit connected to the sockets extends through a passageway in one of the table legs. A sliding bottom for the table positioned below the heating elements affords access thereto. A separate switch is provided for each heating unit. (Owner) Otto Looft. Correspondence to Smith & Tuck, 734 Central Building, Seattle 4, Wash. Groups 25—11; 36—21. Reg. No. 40,289.

Pat. 2,534,795. Automatic Fish Catcher. Patented Dec. 19, 1950. Attachment for fishing lines automatically responds to the pull of a fish so the hook may be jerked as soon as the fish strikes. The line is attached to the top of a rod. A spring on the rod is attached to an arm supporting a plunger, the lower end of which supports the hook of the fishing line. To set the device, the arm is drawn downward, tensioning the spring until a ball is snapped into a notch in a trigger. End of trigger extends into a slot in the plunger. As the fish strikes, the spring is released, snapping the plunger upwardly. (Owner) Walter E. Ramsey, Box 444, Graham, Tex. Group 39—49. Reg. No. 40,290.

Pat. 2,532,892. Aperture Meter. Patented Dec. 5, 1950. A photographic computing device. A fixed ring has a scale of lens aperture values. A second fixed ring spaced about the first ring has a scale of shutter speed values. A movable ring between the fixed rings has a scale of light intensity values and a scale of film speed values. Movement of one scale effects the reading of the next scale so a pyramid effect is produced. The device may be installed on conventional cameras. (Owner) William Eugene Clark, 1057 State St., Augusta, Kans. Group 39—12. Reg. No. 40,291.

Pat. 2,530,471. Iron Rest. Patented Nov. 21, 1950. A case of heat-resistant plastic has a bottom with an upstanding peripheral flange. A metal top with large opening to receive a flatiron snaps on bead of flange. A flange around opening engages a removable insulated pad within the case, on which the iron rests. Spaced ribs on bottom of case provide an air space, and a layer of felt prevents slippage. (Owner) LeRoy C. Kopisch, Hartford, Ill. Groups 33—73; 36—21; 39—81; 40. Reg. No. 40,292.

Pat. 2,535,260. Paintbrush Holder. Patented Dec. 26, 1950. Paint brush holder and scraper bar attachment for a paint can are stamped from one piece of sheet material. An elongated base has a wiping bar at one end. An upwardly extending web at other end has a socket to support brush handle with the bristle portion resting over the edge of the bar. A pair of plates struck in the base provide clamping jaws attached by a thumb screw near the top edge of the can. (Owner) Reuben A. Braswell, 1218 Oakview Road, Decatur, Ga. Groups 33—31—59—73; 39—81; 40. Reg. No. 40,293.

Government Owned Patents

The following U. S. Letters Patent and applications owned by the United States Government, as represented by the United States Atomic Energy Commission, have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number or serial number and title.

Pat. 2,531,065. Apparatus for Changing the Ion Source of a Cyclotron. Patented Nov. 21, 1950. This patent describes an apparatus for automatically removing and replacing the cathode and anode of an ion gun in a cyclotron without the necessity of an operator being present in the cyclotron room and without losing the vacuum in the cyclotron. Group 36—13—19. Reg. No. 40,294.

Pat. 2,533,696. Diborane Purification Process. Patented Dec. 12, 1950. In accordance with the method of this patent, diborane is recovered from a mixture of diborane and ethane by treating the mixture with pyridine to complex the diborane and then removing the ethane by distillation. The diborane is then recovered from the pyridine complex by reacting it with a boron halide. Group 28—89. Reg. No. 40,295.

Pat. 2,533,701. Collimating Shield. Patented Dec. 12, 1950. This patent describes an apparatus for shielding against radiation from the beam of a high energy particle accelerator while simultaneously providing an adjustable aperture for such beam through the shielding structure. Groups 36—19—92; 39—11. Reg. No. 40,296.

Pat. 2,534,676. Preparation of Compounds of Uranium and Nonmetals. Patented Dec. 19, 1950. A process is described for preparing a compound of a non-metal and uranium by reacting uranium hydride with the vapors of a compound of hydrogen and a non-metal, such as sulfur, selenium, tellurium, nitrogen, phosphorus, arsenic, carbon or boron. Groups 28—86—89; 32—95. Reg. No. 40,297.

Pat. 2,534,677. Production of Uranium Halides. Patented Dec. 19, 1950. Uranium halides are produced, in accordance with this invention, by reacting uranium hydride at an elevated temperature with an elemental halogen, a hydrohalide, a carbonyl halide or a halogen substituted methane. Groups 28—86—89; 32—95. Reg. No. 40,298.

Pat. 2,535,355. Voltage Regulation and Supply. Patented Dec. 26, 1950. The voltage-regulating system described in this patent obtains increased stability of operation from the fact that the control voltage for the controlled tube, derived in part from a vacuum tube as an impedance element, is not affected by terminal voltage variations except in a predetermined manner. Group 36—19. Reg. No. 40,299.

Pat. 2,535,572. The Preparation of UF_6. Patented Dec. 26, 1950. A method is described for preparing uranium hexafluoride by treating uranium tetrafluoride with anhydrous oxygen at an elevated temperature. Group 28—86—89. Reg. No. 40,300.

Pat. 2,535,886. Electronic Switches. Patented Dec. 26, 1950. This patent describes an electronic switch of the gaseous discharge type having only two main elements to support and control its discharge and capable of passing hundreds of megawatts of pulsed power at a high repetition rate, without damage from high inverse plate voltage. Group 36—19—92. Reg. No. 40,301.

Pat. 2,536,602. Automatic Flange System. Patented Jan. 2, 1951. This patent covers a device for opening, closing, and sealing pipe joints and junctions by remote control. The device utilizes a flange provided with hydraulic clamps fastened to one of the pipe sections and capable of clasping a flange on another pipe section when actuated from a remote location. Groups 35—69; 36—19. Reg. No. 40,302.

Pat. 2,536,610. Hydrogen Purification System. Patented Jan. 2, 1951. This patent sets forth a method and apparatus for purifying hydrogen by high-temperature diffusion through an unsupported layer of a metal which forms a hydride. Group 28—86. Reg. No. 40,303.

Pat. 2,536,616. Preparation of Uranium Hydride. Patented Jan. 2, 1951. A method is described for preparing uranium hydride by reacting massive uranium with hydrogen at an elevated temperature and at a pressure in excess of the partial pressure of hydrogen from decomposition of the uranium hydride at the temperature employed, and finally cooling the reaction product while maintaining said hydrogen pressure. Groups 28—86—89; 32—95. Reg. No. 40,304.

Pat. 2,536,617. Direct Current Negative Feedback Amplifier. Patented Jan. 2, 1951. Described is a degenerative or inverse feedback, direct current amplifier circuit including an electrometer tube which is particularly suitable for measuring small currents, such as those developed in a radiation responsive ion chamber, and which is substantially devoid of transient instability. Group 36—13—61. Reg. No. 40,305.

Pat. 2,536,808. Fast Impulse Circuits. Patented Jan. 2, 1951. In accordance with the invention disclosed, an improved circuit for translating the rate of occurrence of electrical impulses into a known fractional rate is accomplished by the combination of known types of trigger circuits with a novel form of commutation and interlocking system. Group 36—13. Reg. No. 40,306.

Pat. 2,536,991. Radiation Detector. Patented Jan. 2, 1951. This patent covers an improved pocket-type ion chamber having a response characteristic which is substantially independent of the humidity of the surrounding atmosphere and which is accurately indicative of the physiological damage caused to living tissue. Groups 36—92; 39—11. Reg. No. 40,307.

Pat. 2,537,775. Ion Vacuum Gauge. Patented Jan. 9, 1951. This invention relates to a method and apparatus for ascertaining the pressure of a gas by noting the relationship between electrons bombarding the gas and the ionization resulting therefrom. Group 39—11. Reg. No. 40,308.

Pat. 2,537,777. Chlorofluoroheptanes. Patented Jan. 9, 1951. This patent describes a new class of halogenated organic compounds, the monochloro-, dichloro-, and trichloro-perfluoroheptanes, and a number of methods of preparing the same. Group 28—89. Reg. No. 40,309.

Pat. 2,538,632. Combination Beta and Gamma Chamber. Patented Jan. 16, 1951. The invention described in this patent is a system for continuously monitoring gases or liquids for both beta and gamma activity. The system is designed to withstand the corrosive action of such liquids or gases. Group 36—13—92. Reg. No. 40,310.

Pat. 2,539,273. Alternating Current Generator. Jan. 23, 1951. This patent describes a commutator type dynamo-electric machine in which the armature circuit and the field circuit are coupled through suitable impedance means in a manner which causes the machine to generate alternating current. Group 36—19. Reg. No. 40,311.

Pat. 2,539,282. Rare Earth Separation by Adsorption and Desorption. Patented Jan. 23, 1951. According to the process of this patent, immediately adjacent rare earths can be separated by first adsorbing a mixture of the rare earths from aqueous solutions of their water-soluble inorganic salts, preferably chlorides, on a columnar bed of cation exchange resin, then passing a citric acid solution at a controlled pH through the resin column and collecting successive portions of the eluate. Group 32—95. Reg. No. 40,312.

Pat. 2,539,578. Bearing Test Apparatus. Patented Jan. 30, 1951. An apparatus is described which may be used for testing and visually observing the performance of thrust bearings under variable conditions of pressure and corrosion. Group 39—11. Reg. No. 40,313.

Pat. 2,540,248. Manufacture of Fluorine by Electrolysis. Patented Feb. 6, 1951. In accordance with the disclosed invention a fused alkali-metal acid fluoride electrolyte is first subjected to a conditioning treatment by electrolysis employing a nickel anode, and the conditioned electrolyte is then electrolyzed to produce fluorine using a carbon anode. Group 28—86. Reg. No. 40,314.

Pat. 2,540,941. Latch Mechanism. Patented Feb. 6, 1951. This patent describes an automatic liquid dispensing nozzle which has a sensitive trigger mechanism for automatically shutting off the flow through the nozzle when the container into which the liquid is being dispensed is filled to a predetermined level. Group 35—61. Reg. No. 40,315.

Pat. 2,540,944. Sampling Apparatus. Patented Feb. 6, 1951. This patent covers a sampling apparatus particularly adapted for use in connection with processes involving large bodies of radioactive liquids, which will make available small, representative samples of the body of liquid, and which will make possible the obtaining and handling of such samples without risk to personnel. Group 39—11. Reg. No. 40,316.

Pat. 2,540,960. Electrolytic Cell. Patented Feb. 6, 1951. This patent describes an improved electrolytic cell for the production of fluorine wherein the anode assembly can be integrally removed from the cell without disturbing other structures therein. A novel unitary structure of diaphragm members is also provided. Group 28—86—89. Reg. No. 40,317.

Pat. 2,541,190. Fluorination of Lubricating Oil. Patented Feb. 13, 1951. This patent describes a process for stabilizing fluorocarbon compositions and eliminating their reducing properties by subjecting the fluoro-carbon compositions in concentrated form to a finishing treatment in liquid phase and at an elevated temperature with silver difluoride, cobalt trifluoride, or manganese trifluoride. Group 28—96. Reg. No. 40,318.

Pat. 2,541,198. Amplifier. Patented Feb. 13, 1951. The amplifier described in this patent, particularly suited for handling minute currents, utilizes tubes whose filaments are supplied from a single high voltage power supply with protective control circuits for preventing injury to the tubes due to voltage surges, changes, or abnormal conditions. Group 36—61. Reg. No. 40,319.

Pat. 2,541,599. Radiography. Patented Feb. 13, 1951. An improved filter and intensifying screen for use in X- and gamma ray radiography are disclosed in this patent. In one embodiment, a sheet or foil of uranium metal is placed between the photographic film and the article being radiographed for the dual purpose of absorbing secondary radiations and intensifying the photo chemical effect of the film emulsion. Groups 36—92; 39—12. Reg. No. 40,320.

Pat. 2,541,940. Electronic Circuit. Patented Feb. 13, 1951. This patent describes a circuit for accurately determining the current produced in an ionization chamber under steady state conditions in relation to a zero point, while permitting continuous operation of the ionization chamber, by reducing the steady state current to zero through the employment of a predetermined pulse of opposite sign, but equal in magnitude to the current. Group 36—13. Reg. No. 40,321.

Pat. 2,542,905. Apparatus for Measuring Pressure. Patented Feb. 20, 1951. An apparatus is described for measuring the pressure of a corrosive fluid by establishing an inert fluid pressure at a value sufficient to balance the corrosive fluid pressure and measuring the inert fluid pressure as a measure of the corrosive fluid pressure. Group 35—65. Reg. No. 40,322.

Applications for Letters Patent

Ser. No. 184,269. Continuous Separation Process. This patent application sets forth a process for separating charged particles from a solution by employing a combination of electromigration and chromatographic techniques. Group 39—11. Reg. No. 40,323.

Ser. No. 208,421. Process and Apparatus for Water Decontamination. This application describes a process for decontaminating water which is contaminated with nuclear fission products or other radioisotopes by bringing the contaminated water into contact with steel wool, clay, activated carbon, an anion exchange resin, and a cation exchange resin. Group 35—69. Reg. No. 40,324.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING FEBRUARY, 1951

COTY, INC. v. LANCOME S. A., 173 Ms. D. 145, 88 USPQ 300, February 9, 1951, Opposition No. 28,088.

Examiner-in-Chief Klinge reversed the decision of the Examiner of Trade-Mark Interferences who had dismissed the opposition filed under the act of 1905 opposing registration of the term "Kypre" for perfumes and cosmetics. Opposer relied upon prior use of the word "Chypre" to designate perfumes and toilet waters.

It was held that the term "Kypre" is confusingly similar to the descriptive term "Chypre" when applied to the goods of the respective parties, so that applicant is not entitled to the registration sought.

HASKELITE MANUFACTURING CORPORATION v. PLYMOLD CORPORATION, 173 Ms. D. 141, 88 USPQ 297, February 9, 1951, Interference No. 3946.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences adjudging that the junior party was entitled to the registration of its mark "PLYMOLD," for which it made application under the act of 1946, and that the senior party was not entitled to the registration of the marks "PLYMOLD" and "PLYMOLD CORPORATION" for which it has made application under the act of 1905, for structural elements, shapes and forms, such as tubing, shells and panels formed in whole or in part of bonded plies of wood veneer. The junior party filed its application for registration of its mark for similar goods.

After reviewing the record, it was held that this record establishes use by Haskelite of its mark "PLYMOLD" prior to the earliest date of use by Plymold Corporation of the same mark as a trade name, so that the decision of the Examiner of Trade-Mark Interferences should be sustained.

FINNAREN & HALEY, INC. v. JAMES B. SIPE AND COMPANY, 173 Ms. D. 149, 88 USPQ 333, February 15, 1951, Opposition No. 27,958.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition filed under the Trade-Mark Act of 1946 to the registration of the trade-mark "LUXURY" applied to mixed and paste paint.

After noting that the issue is whether the word "LUXURY" is descriptive as applied to goods of the character here involved, it was held that the word "LUXURY," while possibly suggestive of high quality or excellence, actually describes no particular thing and is an arbitrary mark when applied to applicant's goods, so that, since applicant is the prior user of the mark, which is a word long used to denote origin of the applicant's goods, the opposition was properly dismissed.

It was also held that the fact that the mark has been used in juxtaposition to applicant's name on its labels does not detract from the trade-mark significance of the word under consideration.

In response to applicant's contention that the opposer is guilty of unclean hands for the reason that the notation "Registered in the United States Patent Office" has been used beneath the mark "LUXURY" on opposer's labels, when, in fact, said mark has never been registered by the opposer, after noting that the Examiner considered the testimony sufficient to negative any intent on opposer's part to mislead or deceive the public, so that the doctrine of unclean hands was inapplicable to the present proceeding, it was held that, in view of the opinion expressed with regard to the nature of the mark, it was unnecessary to discuss further the matter of improper marking of the goods by the opposer.

THE FLINTKOTE COMPANY (THOMAS L. WATTERS, ASSIGNEE, SUBSTITUTED) v. MERRIAM AND COMPANY, 173 Ms. D. 157, 88 USPQ 390, February 21, 1951, Interference No. 3867 (Concurrent Use).

Examiner-in-Chief Klinge reversed the decision of the Examiner of Trade-Mark Interferences in an interference proceeding converted into a concurrent use proceeding where Merriam and Company sought registration for the mark "AKTICIDE" as applied to germicides and Watters sought registration for five States for the mark "AMICIDE" for a disinfecting, sterilizing and sanitizing compound.

It was held that the Examiner of Interferences rightly ruled that the party Merriam, but for the concurrent application filed by Watters, would have been entitled to registration of its mark for unrestricted territory.

The decision of the Examiner of Interferences in holding that Watters is not entitled to a registration for the five States asked for in his application was affirmed, since Watters proved concurrent use prior to the filing date of the application of Merriam and Company only in the States of California and Arizona.

It was held that before a registration can be granted to Watters restricted to the two States and the registration of Merriam restricted to exclude those two States it must be determined that confusion or mistake is not likely to result from continued use of the marks by the respective parties in the two territories mentioned.

It was held that the use of the marks in the adjacent territories would result in confusion or mistake of purchasers, in this modern age of extensive communication and rapid and frequent travel of both goods and persons.

DAROL CO. v. MODERN VENETIAN BLINDS, INC., 173 Ms. D. 152, 88 USPQ 334, February 16, 1951, Cancellation No. 5401.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition to cancel Registration No. 504,371 for the word "Sunvent," issued on an application claiming use of the mark on Venetian blinds since August 25, 1947. Petitioner alone submitted testimony. Petitioner claimed prior continuous use of the mark "Sunvent" as a common-law trade-mark on Venetian blinds through its predecessor, whose stock, machinery, customer's orders and trade-mark it acquired in May, 1939.

After reviewing the evidence, it was held that the Examiner of Interferences rightly ruled that petitioner has been using the "Sunvent" mark in its own right since at least the year 1941, and that the testimony and evidence of record are sufficient to establish trade-mark use of the word "Sunvent" from the time of its adoption by petitioner in 1941, so that inasmuch as the petitioner is the prior user and the marks, as well as the goods, are identical, the decision of the Examiner of Interferences sustaining the petition for cancellation was correct.

MARGUERITE ROSE MONASSA v. PERFUMES HABANA, S. A., 173 Ms. D. 163, 88 USPQ 434, February 26, 1951, Cancellation No. 5052.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition to cancel Registration No. 420,830 for the mark "Cherigan," used upon perfumes and related toilet preparations.

After stating the facts, it was held that Habana stands in no better or different position than did its assignor, the petitioner's former Cuban agent, when such agent misappropriated Monassa's mark to its own use in 1941, following the involuntary discontinuance of shipment of goods to Cuba in 1940 by Monassa. Monassa's Cuban agent, being nothing more nor less than the mere selling agent of petitioner's merchandise could acquire no independent proprietary rights in the trade-mark.

Since the registration here involved did, and does now constitute a bar to the importation of Monassa's goods into the United States, resulting in damage to the petitioner, it was held that the Examiner was right in ruling that Habana may not in this respect obtain any advantage by the wrongful conduct of its assignor, and that Monassa is being injured by Habana's registration since Habana is not the owner of the mark "Cherigan," but ownership thereof resides legally in the party Monassa.

EX PARTE THE WAYNE PUMP COMPANY, 173 Ms. D. 166, 88 USPQ 437, February 28, 1951.

Examiner-in-Chief Federico affirmed the decisions of the Examiner of Trade-Marks in two applications each seeking the registration on the Principal Register under the act of 1946, applicant refusing to resort to section 2(f), of the word "Wayne" for various enumerated items, in Class 13, and various other enumerated items in Class 23, as to the second application, but reversed the decision of the Examiner in requiring the dates of use in connection with each of the goods specified.

It was held that neither the statute nor trade-mark rule 7.3 requires that applicant specify the dates of use of the mark in connection with each of the goods recited in the application.

It was held that the mark "Wayne" is not registrable on the Principal Register without reliance on section 2(f) of the act of 1946, since the word "Wayne" is primarily merely a surname and hence declared unregistrable by section 2(e) (3).

In response to applicant's allegation that it has prior registrations of the word "Wayne" upon identical goods obtained under the act of 1905, which are still in force, and that a registration under the provisions of section 2(f) would be a curtailment of rights already acquired by applicant under the prior registrations, it was held that this contention cannot be entertained since the present applications must be treated upon their own merits under the law; furthermore, the basic prior registration was obtained under the ten-year proviso of the act of 1905.

MOTOROLA INC. v. SAMUEL M. SIEGEL, 173 Ms. D. 174, 88 USPQ 436, February 28, 1951, Opposition No. 27,505.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Interferences sustaining the opposition to the registration under the Trade-Mark Act of 1905 of the mark "Handie Walkie" as a trade-mark for radio receiving sets, the word "Handie" being disclaimed apart from the mark as shown. The opposition was based upon the allegation of ownership and prior use by opposer of the mark "Handie Talkie" for a self-contained portable receiver-transmitter.

It was held that there is no question as to the goods being of the same descriptive properties, and the confusing similarity of the marks is obvious.

After pointing out that opposer, since at least 1943, has continuously employed the words "Handie Talkie" in the advertising of its goods through magazines of national circulation, newspapers, trade publications and other media, and expended thousands of dollars in such advertising, although opposer did not actually affix the words to its goods until 1948, a date subsequent to the claimed use by applicant of its mark, it was held that it is clear from the record in this case that opposer's use of the words "Handie Talkie" has been so extensive and of such character that it may be considered so

analagous to a trade-mark use that the registration by the applicant of the substantially identical phrase for similar goods may properly be opposed.

It was held that if opposer's mark were considered descriptive it would not defeat opposer's right to object to the registration of a confusingly similar mark and in any event applicant's mark would have to be considered just as descriptive and would be unregistrable on this ground.

CORY CORPORATION v. SCHWITZER-CUMMINS COMPANY, 173 Ms. D. 172, 88 USPQ 441, February 28, 1951, Opposition No. 27,743.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Interferences sustaining an opposition to the registration of the mark "Fresh-Air-Maker" as a trade-mark for electrically driven ventilating and exhaust fans under the provisions of section 2(f) of the Trade-Mark Act of 1946. Opposer relied upon prior use by it and its predecessors of "Fresh'nd-Aire" as a trade-mark for air conditioning and circulating fans, and ownership of Registration No. 338,102.

After noting that the only question involved is whether the mark which applicant seeks to register so nearly resembles that used by opposer as to be likely to cause confusion or mistake or to deceive purchasers, and that the validity of opposer's mark is not in issue in this proceeding, it was held that the marks are confusingly similar, for it should be noted that applicant is seeking to register a mark containing the same descriptive words, and while common descriptive portions may properly be subordinated in considering the confusing similarity of two marks, such portions of the marks can not be completely ignored, and, when both marks are predominantly descriptive, the rule has little or no application.

SOLON PALMER v. REVLON PRODUCTS CORPORATION, 173 Ms. D. 171, 88 USPQ 442, February 28, 1951, Opposition No. 28,140.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Interferences sustaining an opposition to the registration of the words "Fashion Plate" as a trade-mark for cream wafer make-up and cake make-up. Opposer relied upon its ownership of Registration No. 103,116 for the mark "Fashion" as applied to perfumes, complexion and sachet powder.

After noting that the only question involved is that of the similarity of the marks, it was held that the applicant's mark includes as a prominent and essential feature the entire mark of the opposer, and that the addition of the word "plate" does not create any mark so different that confusion would not be likely to result, particularly as the composite mark of the applicant still has a meaning similar to that of opposer.

In response to applicant's argument that the word "fashion" is descriptive and not subject to exclusive appropriation by the opposer, it was held that applicant's argument goes to the entire mark of opposer and it is well settled that the validity of an opposer's registered trade-mark may not be attacked in an opposition proceeding.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 27, 1951

[VOL. 644. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 495,046. Les Parfums de Dana, Inc., New York, N. Y. Filed Jan. 19, 1946.



The picture forming part of the mark shows the head of the Goddess Flora.

For Vanity Cases, Compacts, and Lipstick Holders Made of Base Metal and Plastic and Sold in Trade Empty.

Claims use since Dec. 31, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 525,712. Tru-Rite, Inc., New York, N. Y. Filed July 2, 1947.

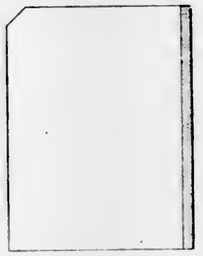


The trade-mark consists of a substantially rectangular elongated figure in the form of a band bearing a plurality of dots which are spaced from each other, the length of the band being substantially coextensive with the length of the sheet of carbon paper, and the width of the band being approximately one fifteenth of the width of said sheet of carbon paper, said band being disposed substantially contiguous with one longitudinal edge of said sheet of carbon paper. The outline of the carbon paper is disclaimed.

For Carbon Paper.

Claims use since Feb. 8, 1944.

Ser. No. 525,713. Tru-Rite, Inc., New York, N. Y. Filed July 2, 1947.



The outline of the carbon paper is disclaimed. The trade-mark consists of a substantially rectangular elongated figure in the form of a band which is of gold color, the length of the band being substantially coextensive with the length of the sheet of carbon paper, and the width of the band being approximately one eighteenth of the width of said sheet of carbon paper, said band being disposed substantially contiguous with one longitudinal edge of said sheet of carbon paper. The drawing is lined for the color gold.

For Carbon Paper.

Claims use since June 1, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 551,272. Harris & Robbie, Cavalier, N. Dak. Filed Mar. 5, 1948.

CAVALIER BRAND

"Brand" is disclaimed.
For Garden and Field Seeds, Including Seed Potatoes.
Claims use since Sept. 1, 1920.

Ser. No. 557,669. Gilbert L. Lewis, doing business as Protexall Permanent Process Service, Kansas City, Mo. Filed May 24, 1948.

UNIT-TITE

For Transparent Cellulose Acetate Films for Use in Laminating Pliable Sheet Materials.
Claims use since Mar. 1, 1948.

Ser. No. 589,083. Gholson's Hatchery, McLeansboro, Ill. Filed Dec. 9, 1949.

meatMaster

The word "meat" is disclaimed.
For Live Baby Chicks.
Claims use since Sept. 22, 1949.

CLASS 2

RECEPTACLES

Ser. No. 539,093. Shellmar Products Corporation, Chicago, Ill. Filed Oct. 25, 1947.

FRE-Z-PAK

The term "Pak" is disclaimed.
For Bag Type Containers, Sold in Empty Condition, Formed of Paper and Having a Plastic Film Liner, and Used for Packing Frozen Vegetables, Fruits, and Other Foods.
Claims use since May 12, 1947.

Ser. No. 550,325. Hull Products Corporation, Portland, Oreg. Original filed, act of 1946, Supplemental Register, Feb. 21, 1948; amended to application, Principal Register, Jan. 12, 1951.

Thelma Hull

The mark is the name and signature of the vice-president of the applicant, consent of record.
For Salt and Pepper Shakers of Plastic or Metal.
Claims use since Jan. 2, 1941.

Ser. No. 581,815. Lily-Tulip Cup Corporation, New York, N. Y. Filed July 12, 1949.

MIXRITE

For Paper Cups.
Claims use since Mar. 22, 1949.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 592,414. Raymond Brenner Inc., also trading as Raymond Brenner, Youngstown, Ohio. Filed Feb. 14, 1950.

The Cellar Shops

The words "The" and "Shops" are disclaimed.
For Leather and Leather-Trimmed Articles—Namely, Wallets, Billfolds, Fitted Traveling Cases, Portfolios, Briefcases, Memorandum Pad Cases, and Pocket Picture Cases in the Nature of Billfolds, Flask Cases Sold Empty, Cases for Manicure Sets, Dressing and Toilet Cases, Cases for Toilet Articles With or Without Containers or Fittings for Toilet Articles Sold Empty, and Key Cases.
Claims use since Aug. 29, 1949.

Ser. No. 598,734. Lederer de Paris Fifth Avenue, Inc., New York, N. Y. Filed June 7, 1950. (Sec. 2f.)

Lederer DE PARIS

The words "de Paris" are disclaimed.
For Ladies' Hand and Shoulder Bags, Purses, Billfolds, Wallets, Key Cases, Pass Cases, and Playing Card Cases, Sold Empty.
Claims use since Jan. 1, 1940.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 589,329. New-Ra-Lize Products, Westfield, Mass. Filed Dec. 14, 1949.

NEWRALIZE

For Finishing, Cleaning, and Polishing Materials for Wood and Metal Articles.
Claims use since July 5, 1949.

Ser. No. 592,564. Frederick D. Gwyer, Ardmore, Pa. Filed Feb. 16, 1950. (Sec. 2f.)

Bhot Atcha

The mark consists of the Hindu expression "Bhot Atcha," which as translated into English means "Very Good."
For Furniture Polish.
Claims use since 1887.

CLASS 5

ADHESIVES

Ser. No. 590,496. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Jan. 7, 1950.

TYNEX

For Mixture of Resinous Materials and Solvents (Including Plasticizers) for General Use as an Adhesive in the Industrial Arts.
Claims use since Oct. 31, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 554,020. Glyco Products Co. Inc., Brooklyn, N. Y. Filed Apr. 7, 1948.

AQUALIZED

For Natural and Synthetic Gums, Pectins, and Alginates, Ordinarily Soluble Only With Difficulty in Water, Which Have Been Treated So as To Make Them Readily Soluble in Water.
Claims use since Mar. 15, 1948.

Ser. No. 564,464. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Aug. 31, 1948.

PENCAL

Applicant claims ownership of Registration No. 309,264.
For Insecticides.
Claims use since July 23, 1948.

Ser. No. 573,116. Chipman Chemical Company, Inc., Bound Brook, N. J. Filed Feb. 1, 1949.

CHLORAX

For Weed Killing Chemical.
Claims use since November 1945.

Ser. No. 573,265. James H. Rose, doing business as Dunham House Products, Long Island City, N. Y. Filed Feb. 3, 1949.

Slaughter

For Insecticides.
Claims use since Jan. 18, 1949.

Ser. No. 584,483. The Dow Chemical Company, Midland, Mich. Filed Sept. 6, 1949.

DHA

For Synthetic Organic Chemical Used To Suppress the Growth of Microorganisms.
Claims use since Aug. 9, 1949.

Ser. No. 588,207. Fairfield Laboratories, Inc., Plainfield, N. J. Filed Nov. 23, 1949.

Cee-Dee

For Germicidal Detergent and Sanitizing Preparation.
Claims use since Feb. 1, 1947.

Ser. No. 596,749. Pacific Mills, Boston, Mass., and New York, N. Y. Filed May 2, 1950.

PACIFATE

For Composition for Treating Cotton Piece Goods and Leather Goods To Sterilize the Same by Destroying Existing, and Preventing Future Growth of, Bacteria, Mildew Fungi, and Athlete's Foot Fungi in Such Goods.
Claims use since Apr. 7, 1950.

Ser. No. 598,476. Imperial Chemical Industries Limited, London and Millbank, London, England, assignor to Plant Protection Limited, Yalding, England, a corporation of Great Britain and Northern Ireland. Filed June 2, 1950.

METHOXONE

Applicant claims ownership of British Registration No. 640,097, dated Sept. 14, 1945.
For Preparation for Killing Weeds.

Ser. No. 598,643. Paul J. Fleming, doing business as Sor-Ride Products Co., Portsmouth, Ohio. Filed June 6, 1950.

SOR-RIDE

For Insecticides.
Claims use since May 24, 1950.

CLASS 7

CORDAGE

Ser. No. 602,682. Robert F. Fitzpatrick & Co., Philadelphia, Pa. Filed Aug. 24, 1950.

REX

For Twine and Rope.
Claims use since Jan. 9, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 516,907. Metalco, Emeryville, Calif. Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Principal Register, May 1, 1948.

METALCO

For Frames and Joints Made From Pre-Formed Strip Material of Metal Such as Aluminum, Copper, Bronze or Other Alloys—Namely, Door and Window Frames and Casements, Store Fronts, and Corner Joints and Frames for Built-In Showers.
Claims use since Sept. 26, 1946.

Ser. No. 524,636. Tilo Roofing Company, Inc., Stratford, Conn. Original filed, act of 1905, June 21, 1947; amended to application under act of 1946, Principal Register, June 27, 1950. (Sec. 2f.)

TILOCK
HURRICANE

Applicant claims ownership of Registration No. 367,735.
For Roofing Materials—Namely, Shingles of the Interlocking Type, Normally Flexible and Produced From a Composition of Roofing Materials.
Claims use since Apr. 15, 1945, as to the composite mark; and as to the name "Tilock" since Dec. 6, 1922.

Ser. No. 538,949. National Steel Corporation, Pittsburgh, Pa. Filed Oct. 24, 1947.

NATIONAL TITELOCK

The word "Titelock" is disclaimed.
For Metallic Ribbed Roofing Sheets.
Claims use since Feb. 14, 1947.

Ser. No. 552,892. Standard Gypsum Company of California, Oakland, Calif., assignor to Kaiser Industries, Inc., Oakland, Calif., a corporation of Nevada. Filed Mar. 24, 1948. (Sec. 2f.)

Standard

The drawing is lined for the colors blue and red.
For Gypsum Plaster, Gypsum Stucco, Gypsum Lath, and Gypsum Wallboard.
Claims use since December 1946.

Ser. No. 554,824. Soulé Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Filed Apr. 16, 1948. (Sec. 2f.)

SOULÉ

For Steel Window Frames and Doors, Reinforcing Commodities—Namely, Reinforcing Steel Bars, Steel Welded Fabric, Expanded Metal, Steel Construction Clamps for Concrete Forms, Expansion Joints, Concrete Pipe Reinforcing in the Form of Steel Wire or Rods, Concrete Joist Forms, Steel Joist Forms, Prefabricated Steel Buildings and Steel Building Frames, Metal Lath, Stucco Netting, and Stucco Mesh.
Claims use since 1911.

Ser. No. 561,414. Heuff & Co.'s Steenfabriek N. V., Gorinchem, Holland. Filed Mar. 22, 1948.

H

Applicant claims ownership of Dutch Registration No. 37,181, dated June 21, 1938.
For Stones for Construction Purposes, the Stones Being Processed.

Ser. No. 570,674. Walsh Refractories Corporation, St. Louis, Mo. Filed Dec. 16, 1948.

MULLITEX

For Refractories in the Form of Brick, Standard Shapes, Special Shapes, and Mortar.
Claims use since Jan. 30, 1934.

Ser. No. 580,147. Reynolds Metals Company, Richmond, Va. Filed June 8, 1949.

REY KOOL

The word "Kool" is disclaimed.
For Aluminum Shingles and Roofing.
Claims use since May 13, 1949.

Ser. No. 584,919. Permanente Cement Company, Oakland, Calif. Filed Sept. 16, 1949.

PLASTITE

Applicant claims ownership of Registrations Nos. 413,680, 206,371, and 308,348.
For Plastic Portland Cement Compound Containing Asbestos and Waterproofing Agents.
Claims use since Nov. 26, 1943.

Ser. No. 584,920. Permanente Cement Company, Oakland, Calif. Filed Sept. 16, 1949.

PLASTITE

Applicant claims ownership of Registrations Nos. 206,371, 408,348, and 413,680.
For Hydraulic Cement.
Claims use since Oct. 27, 1924.

Ser. No. 585,987. The B & T Metals Company, Columbus, Ohio. Filed Oct. 8, 1949.

DURATRIM

For Extruded Aluminum Architectural Mouldings—Namely, Cap Trims, Wall Trims, Nosings, Edgings, and Bindings, Corners and Coves, Used in Protecting and Decorating the Exposed Edge and Corner Portions of Walls, Floors, Steps, Counters, Sink Boards, and Covering Materials Therefor.
Claims use since Sept. 20, 1949.

Ser. No. 587,584. Permanente Cement Company, Oakland, Calif. Filed Sept. 16, 1949.

PRONTO

For Modified High Early Strength Cement.
Claims use since Feb. 11, 1946.

Ser. No. 589,361. Acoustics, Inc., Philadelphia, Pa. Filed Dec. 15, 1949. (Sec. 2f.)

FIBRESPRAY ASBESTOS

The word "Asbestos" is disclaimed. Applicant claims ownership of Registration No. 408,585.
For Asbestos Fibre and Binder for Spraying in Place as Thermal Insulation and Sound Absorber.
Claims use since Apr. 29, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 531,617. Mid-Continent Metal Products Company, Chicago, Ill. Filed Aug. 16, 1947.

MID-CO

For Fasteners—Namely, Fasteners of the Dowel Pin Type.
Claims use since June 24, 1947.

Ser. No. 535,510. Independent Pneumatic Tool Company, Chicago, Ill. Filed Apr. 24, 1948.

Thor

Applicant claims ownership of Registrations Nos. 57,742, 97,111, and others.
For Columns, Bars, Arms, Saddles, and Clamps for Supporting Rock Drills; Water Tank Fittings; Air and Water Hose Fittings—Namely, Hose Couplings, Hose Menders, Hose Ends, Hose Clamps, Nipples, Spuds, Reducers, Y's and Joiners; Air Line Manifolds, Valves and Pipe Assemblies for Portable Pneumatic Power Tools, Springs for Portable Power Tools; and Air Regulators for Controlling the Air Pressure Supplied to Portable Pneumatic Power Tools for Operation Thereof.
Claims use since Sept. 30, 1906.

Ser. No. 583,430. Danly Machine Specialties, Inc., Chicago, Ill. Filed Aug. 13, 1949. (Sec. 2f.)

DANLY

Applicant claims ownership of Registration No. 262,080.
For Dowel Pins, Cap Screws, Set Screws, and Stripper Bolts.
Claims use since Aug. 17, 1923.

Ser. No. 587,332. C. Howard Hunt Pen Co., Camden, N. J. Filed Nov. 4, 1949.

R. V. P.

For Clips Particularly Adapted To Maintain in Position a Glass or Other Partition Commonly Used To Sub-Divide a Counter or the Like, Into a Number of Small Bins in Which May Be Displayed Small Articles of Merchandise.
Claims use since Jan. 14, 1930.

Ser. No. 588,243. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Bale Ties, Cuspidors, Drip and Dust Pans, Fence Gates, Funnels, Hardware Cloth, Wire Screen Cloth, Perforated Metal Cones for Wringing Mops, Nails, Brads, Tacks, Spikes, Staples, Pipes, Tubing, Casing, Wire Netting and Fencing—Namely, Woven Wire Fencing, Lawn Fencing, Chain Link Fencing, and Barbed Wire Fencing.
Claims use since 1937.

Ser. No. 598,782. Bostitch, Inc., Providence, R. I., and Pawcatuck, Town of Stonington, Conn. Filed June 8, 1950. (Sec. 2f.)

AUTOCLENCH

Applicant claims ownership of Registrations Nos. 318,534 and 333,318.
For Staples for Tacking, Stitching, and Binding.
Claims use since Nov. 11, 1933.

Ser. No. 601,257. The Cooper Alloy Foundry Co., Hillside, N. J. Filed July 26, 1950.



For Pipe Fittings and Valves Made of Stainless Steel, More Specifically, 45° L's, 90° L's, Long Radius L's, Double Branch L's, Side Outlet L's, T's, Side Outlet T's, Crosses, Laterals, Reducers, Flanges, Gate Valves, Needle Valves, Disc Valves, and Check Valves.
Claims use since Apr. 6, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 527,471. Fischer Industries, Inc., Cincinnati, Ohio. Filed July 5, 1947.

TYRE-FLO

The word "Tyre" is disclaimed.
For Neutral Vegetable Oil Lubricant for Facilitating Insertion of Inner Tubes Into Tire Casings and for Precluding Pinching of Tubes Incident to Mounting Casings Onto Rims.
Claims use since July 1, 1943.

Ser. No. 551,619. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 10, 1948. (Sec. 2f.)

Super Life

For Lubricating Oils and Greases for Automotive Vehicles and Engines, Penetrating Oil for Facilitating the Separation of Corroded Metallic Bodies, and General Purpose Lubricating Oils for Machine Parts and the Like.
Claims use since Apr. 1, 1941.

Ser. No. 577,514. Cato Oil and Grease Company, Oklahoma City, Okla. Filed Apr. 22, 1949. (Sec. 2f.)

FILMOIL

The lining of the letters shown is orange color.
For Lubricating Motor Oils.
Claims use since Feb. 17, 1939.

Ser. No. 595,977. Petroleum Solvents Corporation, New York, N. Y. Filed Apr. 19, 1950.

Trileum

For Chemical Solvent To Be Added to the Fuel and/or Lubricant Useful for Removing Residues of Petroleum Products and Improving the Lubricating Action of Lubricants.
Claims use since Feb. 20, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 546,314. The Muralo Company, Inc., New Brighton and Staten Island, N. Y. Filed Jan. 6, 1948. (Sec. 2f.)

Mural-tone

Applicant claims ownership of Registrations Nos. 222,732 and 325,213.
For Water Paint and Colors for Tinting in Paste Form and Water Paint in Dry Powder Form, Each To Be Mixed With Water and Used as a Wall or Ceiling Paint or Decorative Coating.
Claims use since Oct. 1, 1925.

Ser. No. 554,208. The Chemical Coatings Corporation, Rocky Hill, Conn. Filed Apr. 9, 1948.



For Clear and Colored Lacquer and Synthetic Resinous and Phenolic Coating for Metal, Wood, Textiles, Paper, Leather, and Other Similar Surfaces.
Claims use since Feb. 1, 1946.

Ser. No. 568,269. The New Jersey Zinc Company, New York, N. Y. Filed Nov. 5, 1948.

FLORENCE

For Zinc Oxide for Use in Paints and in Ingredients Thereof.
Claims use since 1897.

Ser. No. 576,604. H. M. Wocher & Son Company, Philadelphia, Pa. Filed Apr. 4, 1949.

Holiday

The drawing is lined for yellow and purple.
For Ready-Mixed Paints, Paint-Enamels, Lacquers, Varnishes, Shellacs, Wood Fillers and Sealers in the Nature of Paints and Varnishes for Filling and Sealing Pores of Wood, Liquid Paint and Varnish Removers, and Protective Floor Finishes in the Nature of Varnishes.
Claims use since Mar. 14, 1949.

Ser. No. 584,558. Tri-Chem Corporation, Kearny, N. J. Filed Sept. 7, 1949.



The drawing is lined for the colors red and yellow, but color is not claimed as a feature of the mark.
For Waterproof Marking Paints.
Claims use since Apr. 21, 1949.

Ser. No. 589,273. Pierce & Stevens, Inc., Buffalo, N. Y. Filed Dec. 13, 1949.



The words "The Prompt Remover" are disclaimed.
For Liquid Chemical Composition for Use as a Paint and Varnish Remover.
Claims use since Nov. 4, 1949.

Ser. No. 595,090. F. O. Pierce Company, Long Island City, N. Y. Filed Apr. 1, 1950.

GLO-FIN

The word "Glo" is disclaimed.
For Ready-Mixed Gloss Paint.
Claims use since Sept. 30, 1936.

Ser. No. 597,972. National Chemical & Manufacturing Company, Chicago, Ill. Filed May 23, 1950.

LUM-A-FLEX

For Synthetic Rubber Emulsion Paints.
Claims use since May 12, 1950.

Ser. No. 598,326. Seidlitz Paint & Varnish Company, Kansas City, Mo. Filed May 29, 1950.

POSITONE

For Paint in Paste or Semi-Paste Form.
Claims use since Oct. 25, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 544,110. Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Filed Dec. 21, 1948.



Applicant claims ownership of Canadian Registration No. N. S. 24,924, dated Apr. 14, 1947.
For Cigars, Cigarettes, Smoking and Chewing Tobacco.

Ser. No. 601,519. Salvador Rodriguez, Inc., Tampa, Fla. Filed July 5, 1950.



The lining and stippling represent shading. The picture is that of Salvador Rodriguez, deceased. Applicant claims ownership of Registration No. 300,779.
For Cigars.
Claims use since 1892.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 565,378. Schering Corporation, Bloomfield, N. J. Filed Sept. 17, 1948.

GRAMITABS

Applicant claims ownership of Registration No. 43,703.
For Medicinal Preparation for the Treatment of Micro-Organic Infection.
Claims use since July 23, 1948.

Ser. No. 570,967. Ernst T. Krebs, Jr., San Francisco, Calif. Filed Dec. 22, 1948.

CYMOZYME

For Pharmaceutically Prepared Chymotrypsin in Crystalline Form for Professional Use by Injection.
Claims use since Nov. 1, 1948.

Ser. No. 571,273. Hopkins & Hopkins Pharmaceutical Co., Inc., Philadelphia, Pa. Filed Dec. 29, 1948.

QUINOX

For Drug for the Treatment of Poultry.
Claims use since Nov. 1, 1948.

Ser. No. 572,376. Lydia E. Pinkham Medicine Company, Lynn, Mass. Filed Jan. 18, 1949.

Lydiums

For Antacid, Gastric Sedative.
Claims use since Jan. 10, 1949.

Ser. No. 572,760. Omikron-Gagliardi, Milan, Italy. Filed Jan. 25, 1949.

SEDORINA
OMIKRON
MILANO

The word "Milano" is disclaimed. Applicant claims ownership of Italian Registration No. 59,039, dated Jan. 18, 1939 (renewed Sept. 19, 1949, under No. 91,668).
For Pharmaceutical Preparation for Treating Diseases of the Nervous System.

Ser. No. 573,093. R. J. Moran Co., Boston, Mass. Filed Jan. 31, 1949.

NITRO-CHLOR

For Medicinal Ointment for Healing Bedsores and Gangrenous Conditions.
Claims use since March 1948.

Ser. No. 573,861. American Cyanamid Company, New York, N. Y. Filed Feb. 15, 1949.

LEDERCILLIN SPERSOIDS

Applicant claims ownership of Registrations Nos. 411,088 and 416,899.
For Antibiotics and Chemo-Therapeutic Agents Dispersable in Liquids.
Claims use since Jan. 25, 1949.

Ser. No. 574,089. Decyl Pharmacal Company, Princeton, N. J., assignor to Decyl Pharmacal Company, Princeton, N. J., a corporation of New Jersey. Filed Feb. 18, 1949.

DECLID

For Medicinal Compound Composed of Undecylenic Acid Used in the Treatment of Skin Diseases and Arthritis.
Claims use since Feb. 10, 1949.

Ser. No. 574,248. Schering Corporation, Bloomfield, N. J. Filed Feb. 21, 1949.

HEXIONYL

For Oral Cholecystographic Agent.
Claims use since Jan. 19, 1949.

Ser. No. 574,546. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Feb. 25, 1949.

CILINATOR

For Antibiotic Preparation.
Claims use since Feb. 17, 1949.

Ser. No. 576,430. The Upjohn Company, Kalamazoo, Mich. Filed Mar. 31, 1949.

Orthazote

For Medicinal Preparation for Use as an Antihistaminic and Bronchodiliator.
Claims use since Aug. 12, 1948.

Ser. No. 577,565. Culpeper House Limited, London, England. Filed Apr. 23, 1949.

CULPEPER

For Medicinal Herbal Preparations for Human Use.
Claims use since Feb. 14, 1927, in Great Britain; and first used in commerce between Great Britain and United States and among the several States of the United States, which may lawfully be regulated by Congress since 1927.

Ser. No. 577,646. Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Filed Apr. 25, 1949.

VERMIPLEX

For Anthelmintic Preparation for Animal Use.
Claims use since Nov. 11, 1948.

Ser. No. 577,816. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Apr. 27, 1949.

DIAMINIDE

For Antiallergenic Preparation.
Claims use since Apr. 14, 1949.

Ser. No. 578,637. Schering Corporation, Bloomfield, N. J. Filed May 11, 1949.

UMBRENAL

Applicant claims ownership of Registration No. 259,901.
For Analgesic and Antipyretic.
Claims use since Mar. 12, 1949.

Ser. No. 578,829. Schering Corporation, Bloomfield, N. J. Filed May 13, 1949.

STILLS

For Anesthetic Anti-Biotic Troche.
Claims use since Apr. 28, 1949.

Ser. No. 581,940. Francis A. Freeman, doing business as Surf Laboratory, Atlantic City, N. J. Filed July 14, 1949.

HEM-O-RAL

For Emulsion, an Oral Preparation for the Relief of Hemorrhoids (Piles).
Claims use since June 22, 1949.

Ser. No. 583,889. Puppy Products, Inc., Chicago, Ill. Filed Aug. 23, 1949. (Sec. 2f.)

F-R-P

For Food Additive for Puppies in Capsule Form Containing Copper and Iron, the Capsule To Be Opened and Its Contents Mixed With Food Given to the Puppies.
Claims use since Aug. 15, 1949.

Ser. No. 584,645. Marvin R. Thompson, Inc., Stamford, Conn. Filed Sept. 9, 1949.

THALINOL - MRT

Applicant claims ownership of Registration No. 511,704.
For Laxative Medicine for Human Use.
Claims use since June 6, 1949.

Ser. No. 585,122. Jamieson Pharmacal Company, Detroit, Mich. Filed Sept. 21, 1949.

CLINILYPTUS

Applicant claims ownership of Registrations Nos. 322,144, 322,145, and 404,381.
For Expectorant Preparation.
Claims use since Sept. 28, 1948.

Ser. No. 585,966. The Vale Chemical Company, Inc., Allentown, Pa. Filed Oct. 7, 1949.

DEXOVAL HYDROCHLORIDE

The word "Hydrochloride" is disclaimed.
For Methamphetamine Hydrochloride Tablet for the Treatment of Neurocirculatory Asthenia, Chronic Illness, Postoperative Depression, Mild Depression, Alcoholism, Postencephalitic Parkinson's Syndrome, and Hypotension.
Claims use since June 14, 1948.

Ser. No. 589,689. The Superior Pharmacal Co., Dayton, Ohio. Filed Dec. 20, 1949.

ENPULES

For Enteric Coated Medicinal Tablets.
Claims use since Dec. 12, 1949.

Ser. No. 589,757. Allied Drugs, Inc., Hackensack, N. J. Filed Dec. 22, 1949.

AL-PABA-SAL

The words "Paba" and "Sal" are disclaimed.
For Medicinal Preparation in Tablet Form, Containing Sodium Salicylate, Para-Amino Benzoic Acid, and Ascorbic Acid.
Claims use since Aug. 29, 1949.

Ser. No. 592,646. Meyer Chemical Company, Detroit, Mich. Filed Feb. 17, 1950.

ALMETINIC

For Preparation for Anemia.
Claims use since Nov. 22, 1949.

Ser. No. 595,181. Winthrop-Stearns Inc., New York, N. Y. Filed Apr. 3, 1950.

REGNOSONE

For Preparation for Treatment of Arthritis and Other Conditions Due to Adrenal Failure.
Claims use since Mar. 17, 1950.

Ser. No. 595,898. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 18, 1950.

ALEPHED

For Pharmaceutical Preparation Suggested for the Symptomatic Relief of Bronchial Asthma, Hay Fever, Bronchitis, Various Allergic Manifestations, and in Other Conditions in Which a Bronchodilator or Vasoconstrictor Is Indicated.
Claims use since July 1, 1941.

Ser. No. 595,902. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 18, 1950.

COEXOL

For Pharmaceutical Preparation Having an Antispasmodic and Cough Sedative Action.
Claims use since Sept. 13, 1938.

Ser. No. 596,039. Mezger Pharmacal Co., Inc., Roslyn Heights, N. Y. Filed Apr. 20, 1950.

LIPOFAX

For Medicinal Preparation in Tablet Form—Namely, a Vitamin Product Indicated for Use in the Management of Atherosclerosis and for Hypotonia.
Claims use since Mar. 20, 1950.

Ser. No. 596,369. Harry A. Waldman, doing business under the name Brand Products Company, Philadelphia, Pa. Filed Apr. 26, 1950.

LESEET

For Tablet That Retards Hunger and Thereby Results in the Reduction of One's Weight.
Claims use since Mar. 9, 1949.

Ser. No. 597,147. The Gleasner Company, Findlay, Ohio. Filed May 9, 1950.



For Preparation for the Treatment of Children's Coughs, Throat and Minor Bronchial Irritations.
Claims use since 1945.

Ser. No. 597,181. The Upjohn Company, Kalamazoo, Mich. Filed May 9, 1950.

Berubizyme

Applicant claims ownership of Registration No. 532,133.
For Medicinal Preparation Containing Vitamins for the Treatment of Hemopoietic and Nutritional Disorders.
Claims use since Jan. 31, 1950.

Ser. No. 597,182. The Upjohn Company, Kalamazoo, Mich. Filed May 9, 1950.

Cebetinic

Applicant claims ownership of Registrations Nos. 423,726 and 519,796.
For Medicinal Preparation Containing Vitamins for the Treatment of Hemopoietic and Nutritional Disorders.
Claims use since Jan. 31, 1950.

Ser. No. 597,481. Abbott Laboratories, North Chicago, Ill. Filed May 16, 1950.

CUMOPYRIN

For Anticoagulant.
Claims use since Apr. 21, 1950.

Ser. No. 597,610. Harrison Products, Inc., San Francisco, Calif. Filed May 17, 1950. (Sec. 2f.)

NŌDŌZ

Applicant claims ownership of Registrations Nos. 307,789, 318,985, and 404,642.
For Medicinal Preparation in Tablet Form Especially Prepared To Relieve Drowsiness.
Claims use since January 1933.

Ser. No. 597,988. The Upjohn Company, Kalamazoo, Mich. Filed May 23, 1950.

Intrubigen

For Medicinal Preparation for the Treatment of Hemapoietic and Nutritional Disorders.
Claims use since Jan. 31, 1950.

Ser. No. 597,989. The Upjohn Company, Kalamazoo, Mich. Filed May 23, 1950.

Intrinsogen

For Medicinal Preparation for the Treatment of Vitamin and Nutritional Deficiencies.
Claims use since Jan. 31, 1950.

Ser. No. 598,059. Brayten Pharmaceutical Company, Chattanooga, Tenn. Filed May 25, 1950.

METASERT

For Feminine Hygiene Preparations.
Claims use since Apr. 12, 1950.

Ser. No. 598,402. Wynlit Pharmaceuticals, Inc., New York, N. Y. Filed May 31, 1950.

CEPEVIT

For Combination of Vitamin C and Vitamin P Factors, Blended, Dissolved, and Then Lyophillized for Use as an Injectable—a Combination of Vitamin C and Vitamin P Factors With Excipient Matter To Be Taken Orally.
Claims use since May 10, 1949.

CLASS 19
VEHICLES

Ser. No. 540,225. Whitehall Manufacturing Company, Inc., Atlanta, Ga. Filed Nov. 5, 1947.

KOOL KOMFORT

For Automobile Seat Covers.
Claims use since Aug. 1, 1945.

Ser. No. 544,983. Edouard Dubied & Cie., Societe Anonyme, Couvet, Neuchatel, Switzerland. Filed Dec. 20, 1947.

EDCO

Applicant claims ownership of Swiss Registration No. 120,698, dated Apr. 16, 1947, and United States Registration No. 78,499.
For Structural and Replacement Parts of and Accessories for Bicycles, Motor Cars, Aircraft, and Other Vehicles—Namely, Axles, Bracket Axles, Brakes for Bicycles, Motor-Cars, and Aircraft, Pedals, Spokes, and Steering Wheels Therefor.

Ser. No. 544,984. Edouard Dubied & Cie., Societe Anonyme, Couvet, Neuchatel, Switzerland. Filed Dec. 20, 1947.

PRESTA

Applicant claims ownership of Swiss Registration No. 120,697, dated Apr. 16, 1947, and United States Registration No. 203,558.
For Structural and Replacement Parts of and Accessories for Bicycles, Motor-Cars, Aircraft, and Other Vehicles—Namely, Axles, Bracket Axles, Brakes for Bicycles, Motor-Cars, and Aircraft, Pedals, Spokes, and Steering Wheels Therefor.

Ser. No. 549,077. R. W. Kerr Plastic Co., Hastings, Nebr., assignor to Raymond W. Kerr, doing business as Kerrco Products, Hastings, Nebr. Filed Feb. 7, 1948.

KERRCO

For Plastic Articles—Namely, Wheel Wedging Blocks and Automobile Sun Visors.
Claims use since July 24, 1947.

Ser. No. 557,441. Doray Lamp Co., Inc., Chicago, Ill. Filed May 20, 1948.

DO-RAY

Applicant claims ownership of Registrations Nos. 504,819 and 515,744.
For Automobile Accessories—Namely, Reflex Reflectors and Rear View Mirrors.
Claims use since 1926.

Ser. No. 558,595. Reliance Trailer & Truck Co. Inc., San Francisco, Calif. Filed June 5, 1948.

Reliance

Applicant claims ownership of Registration No. 140,527.
For Heavy-Duty Trailers, Chassis and Bodies for Trailers, and Bodies for Highway Trucks.
Claims use since Oct. 1, 1916.

Ser. No. 559,149. The Frank Corporation, Savannah, Ga. Filed June 14, 1948.

SOUTHPRIDE

For Automobile Seat Covers and Lined Brake Shoes.
Claims use since Apr. 26, 1948.

Ser. No. 560,124. The Murray Ohio Manufacturing Company, Cleveland, Ohio. Filed June 24, 1948.



For Bicycles.
Claims use since Mar. 1, 1947.

Ser. No. 560,126. The Murray Ohio Manufacturing Company, Cleveland, Ohio. Filed June 24, 1948.



Applicant claims ownership of Registrations Nos. 344,630 and 391,438.
For Bicycles.
Claims use since Mar. 1, 1947.

Ser. No. 562,217. Norman Cycles Limited, Ashford, England. Filed July 26, 1948.



The words "Norman Cycles Ltd." and "Ashford, England" are disclaimed. Applicant claims ownership of British Registration No. 638,533, dated July 11, 1945.

For Bicycles, Adults' Tricycles, Motor Cycles, Auto-Cycles; and the Following Parts Therefor: Frames, Forks, Handle-Bars, Brakes, Pedals, Hubs, Free Wheels, Saddles, and Fuel Tanks for Motor Cycles.

Ser. No. 568,937. Commer Cars Limited, Coventry, England. Filed Nov. 17, 1948.

SUPERPOISE

Applicant claims ownership of British Registration No. B644,698, dated Feb. 11, 1946.

For Commercial Motor Road Vehicles—Namely, Trucks, Lorries, Vans, Motor Coaches, Omnibuses, Estate Cars, and Shooting Brakes.

Ser. No. 574,926. Robbins & Burke, Inc., Cambridge, Mass. Filed Mar. 4, 1949.



The diagonal lining of the diamond shaped figure is not meant for color but is intended to indicate lines. No claim is made to any and all of the wording except "Milkmobile."

For Automotive Truck Bodies.
Claims use since Aug. 1, 1948.

Ser. No. 575,049. General American Transportation Corporation, Chicago, Ill. Filed Mar. 8, 1949.

Aerocoach

For Busses.
Claims use since Dec. 12, 1939.

Ser. No. 575,518. Arnold, Schwinn & Co., Chicago, Ill. Filed Mar. 16, 1949.

Cycelplane

For Bicycles.
Claims use since Mar. 4, 1949.

Ser. No. 575,987. International Manufacturing Co., Roxbury, Mass. Filed Mar. 24, 1949.

RAYLINE

For Automobile Accessories—Namely, Frames for Holding License Plates and Other Insignia, Holders for Supporting Vanity Articles Attachable to Sun Visors, License Plate Brackets, Body and Hood and Fender Vents, Vents for Gas Tank Lids.

Claims use since Mar. 1, 1930.

Ser. No. 580,878. Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Filed June 22, 1949. (Sec. 2f.)

REDIPT

For Repair and Replacement parts for Mine Vehicles—Namely, Mine Car and Locomotive Hitchings and Couplings, Coupling Pins, and Car Drags, and Car Holds Which Are Attached to the Vehicles.

Claims use since 1934.

Ser. No. 581,502. United Helicopters, Inc., Palo Alto, Calif. Filed July 2, 1949.



For Helicopters.
Claims use since November 1947.

Ser. No. 584,785. Yanks-Herbsleb Manufacturing Corp., Houston, Tex. Filed Sept. 13, 1949.

VILLA

For House Trailers.
Claims use since Apr. 16, 1949.

Ser. No. 586,080. The Colson Corporation, Elyria, Ohio. Filed Oct. 11, 1949. (Sec. 2f.)

Colson

For Barrel Trucks, Box Trucks, and Hand Trucks, and Structural Parts of said Trucks.

Claims use since 1927.

Ser. No. 588,111. The Sleetex Company, Inc., New York, N. Y. Filed Nov. 19, 1949.

RAIN-WAND

The word "Rain" is disclaimed.

For Windshield Wiper Blades and Adapters for Connecting the Wiper Blades to Various Forms of Operating Arms.

Claims use since Apr. 1, 1949.

Ser. No. 592,334. Patentes Talgo, S. A., Madrid, Spain. Filed Feb. 11, 1950.

Talgo

The mark consists of the coined word "Talgo." Applicant claims ownership of Spanish Registration No. 225,696, dated Sept. 3, 1949.

For Railway Cars and Structural Parts Thereof.

Ser. No. 594,881. Buffalo Brake Beam Company, New York, N. Y. Filed Mar. 30, 1950.

TRUSLOCK

For Railway Car Brake Beams and Parts Thereof.

Claims use since Sept. 30, 1949.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 571,973. I-T-E Circuit Breaker Company, Philadelphia, Pa. Filed Jan. 11, 1949.



The words "Klamp-Tite" and "Switch" are disclaimed.

For Switches.
Claims use since July 24, 1936.

Ser. No. 585,780. The American Floor Surfacing Machine Company, Toledo, Ohio. Filed Oct. 5, 1949. (Sec. 2f.)

AMERICAN
RAPID

The word "Rapid" is disclaimed. Applicant claims ownership of Registration No. 230,436.

For Portable Abrasive Sanding Machines of the Electric Hand Manipulated Type for General Floor and Bench Service, and Parts Therefor.

Claims use since October 1921.

Ser. No. 590,529. Sunbeam Corporation, Chicago, Ill. Filed Jan. 7, 1950.



The drawing is lined for shading. Applicant claims ownership of Registration No. 247,210.

For Electric Sadirons.

Claims use since Oct. 1, 1924.

Ser. No. 590,530. Sunbeam Corporation, Chicago, Ill. Filed Jan. 7, 1950.



The drawing is lined to show the colors red and yellow or gold, and no claim made to the representation of a sector of conductor cable or cord. Applicant claims ownership of Registration No. 249,600.

For Electrical Appliances Consisting of Electric Flatirons, Waffle Irons, and Toasters, and Electrical Conductor Cables and Cords.

Claims use since December 1924.

Ser. No. 597,438. Gem Batteries, Inc., San Fernando, Calif. Filed May 15, 1950.



The lining is for shading purposes only.

For Storage Batteries.

Claims use since Oct. 4, 1948.

Ser. No. 600,190. Platt Products Corporation, Lansing, Mich. Filed July 3, 1950.

TANKLIFE

For Magnesium Rods for Water Heater Tanks.

Claims use since Apr. 21, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 571,102. The Muffin Syndicate, London, England. Filed Dec. 23, 1948.

MUFFIN

Applicant claims ownership of British Registration No. 674,422, dated Nov. 12, 1948.

For Puppets.

Ser. No. 574,889. The Paul Bunyan Bait Company, Minneapolis, Minn. Filed Mar. 4, 1949.

Paul Bunyan's "66"

The name "Paul Bunyan" refers to a legendary character in the logging industry. Applicant claims ownership of Registration No. 421,770.
For Fishing Tackle—Namely, Artificial Lures.
Claims use since Nov. 1, 1946.

Ser. No. 574,890. The Paul Bunyan Bait Company, Minneapolis, Minn. Filed Mar. 4, 1949.

PAUL BUNYAN'S

Flasho

The name "Paul Bunyan" refers to a legendary character in the logging industry. Applicant claims ownership of Registration No. 421,770.
For Fishing Tackle—Namely, Spinners.
Claims use since Sept. 2, 1947.

Ser. No. 574,893. The Paul Bunyan Bait Company, Minneapolis, Minn. Filed Mar. 4, 1949.

PAUL BUNYAN'S

"WEAVER"

Applicant claims ownership of Registration No. 421,770.
For Fishing Tackle—Namely, Artificial Lures.
Claims use since Sept. 2, 1947.

Ser. No. 578,467. David C. Trager, doing business as Topic Toys, Chicago, Ill. Filed May 9, 1949.

Hungry Piggy

The word "Piggy" is disclaimed.
For Children's Feeding Device in the Nature of a Toy, Including a Bowl and the Figure of a Piggy Associated Therewith.
Claims use since Sept. 25, 1948.

Ser. No. 579,572. Thorp Sporting Goods, Inc., New York, N. Y. Filed May 26, 1949.

THE DUKE

For Footballs, Basketballs, Soccer Balls, and Inflated Leather Balls.
Claims use since Jan. 2, 1939.

Ser. No. 585,848. The Kalamazoo Sled Company, Kalamazoo, Mich. Filed Oct. 6, 1949.

Flying Arrow

The drawing is lined for purposes of shading only. Applicant claims ownership of Registration No. 269,233.
For Sleds.
Claims use since Jan. 1, 1914.

Ser. No. 587,097. Wahl Products, Incorporated, Eau Claire, Wis. Filed Oct. 31, 1949.



The drawing is lined for shading.
For Minnow Buckets, Fishing Rods, and Tackle Boxes.
Claims use since Sept. 20, 1949.

Ser. No. 597,776. Pacific Laminates, Costa Mesa, Calif. Filed May 19, 1950.

"BACKPACKER"

For Fishing Rod Blanks Manufactured From Fibrous Glass Cloth Impregnated With a Thermosetting Resin.
Claims use since Mar. 7, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 517,758. Wesel Manufacturing Company, Scranton, Pa. Original filed, act of 1905, Feb. 18, 1947; amended to application under act of 1946, Principal Register, Apr. 14, 1950. (Sec. 2f.)

WESEL

Applicant claims ownership of Registration No. 381,371.
For Beveling, Routing, Sawing, and Trimming Machines Used for Beveling, Routing, Sawing, and Trimming Printing Plates; Vacuum Printing Machines and Frames, Nailing Machines Used for Mounting Printing Plates on Wooden Blocks; Whirlers for Sensitizing and Drying Photo-Engraving and Litho-Graphic Plates; and Shoot Boards and Planes, for Beveling Printing Plates by Hand, and for Squaring Mounted Plates and Blocks.
Claims use since July 1, 1939.

Ser. No. 540,016. Adco Carburetor Exchange, Inc., Fort Meyers, Fla. Filed Nov. 4, 1947.

ADCO

For Rebuilt Carburetors.
Claims use since Apr. 2, 1947.

Ser. No. 541,477. Swing-Spout Measure Company, Los Angeles, Calif. Filed Nov. 17, 1947. (Sec. 2f.)

CANSPOUT

For Can Openers.
Claims use since July 1933.

Ser. No. 553,756. U. S. Slicing Machine Company, Inc., La Porte, Ind. Filed Apr. 2, 1948. (Sec. 2f.)

BERKEL

Applicant claims ownership of Registrations Nos. 253,594 and 298,000.
For Food Handling Machines and Parts Thereof and Therefor, Specifically, Food Slicing Machines, and Food Choppers.
Claims use since Aug. 1, 1927.

Ser. No. 556,236. American Car and Foundry Company, New York, N. Y. Filed May 5, 1948.

a.c.f.

Applicant claims ownership of Registration No. 312,905.
For Valve Operating Wrenches, Floor Stands for Extension Valve Operating Mechanism, and Valve Operating Mechanism and Parts Thereof, Including Rotatable Transmission With Chain or Hand-Wheel Actuators.
Claims use since January 1931.

Ser. No. 582,365. Usines Metallurgiques de Vallorbe, Vallorbe, Switzerland. Filed July 22, 1949.

+U+M+V+

Applicant claims ownership of Swiss Registration No. 50,386, dated Sept. 17, 1921.
For Files, Rasps, Gravers, Etching Points, Scribers, Broaches, Burnishers, Riffers, Pegwood Knives, Chisels, Scrapers, Butcher Steel, Saws and Backing Plates for Cutting Duplicating Stencils.

Ser. No. 582,689. International Salt Company, Scranton, Pa. Filed July 29, 1949.

LIXATOR

For Salt Dissolving Devices Comprised of a Tank, a Hopper for Admission of Salt, and Filtered Brine Outlet for Production of Brine for Use in Industry.
Claims use since July 30, 1936.

Ser. No. 587,747. Wm. S. Pine, Los Angeles, Calif. Filed Nov. 14, 1949.

ROL-TOE

For Industrial Lifting Jacks.
Claims use since Sept. 9, 1948.

Ser. No. 595,086. Ing. C. Olivetti & C. S. P. A., Ivrea, Italy. Filed Apr. 1, 1950.

LEXIKON 80

For Typewriters, of Every Kind, and Parts Thereof.
First used in June 1949; and first used in commerce between Italy and the United States, which may lawfully be regulated by Congress in June 1949.

Ser. No. 595,656. The Dalton Foundries, Inc., Warsaw, Ind. Filed Apr. 13, 1950.

BIG BOY SAFEWAY

The term "Safeway" is disclaimed.
For Vehicle Jacks.
Claims use since Mar. 22, 1950.

Ser. No. 596,512. National Sewing Machine Company, Belvidere, Ill. Filed Apr. 28, 1950.

National E

Applicant claims ownership of Registrations Nos. 41,795, 60,723, and 60,724.
For Electric Sewing Machines and Attachments.
Claims use since 1920 as to "National E"; and since 1873 as to "National."

Ser. No. 598,678. Charles H. Pugh Limited, Birmingham, England. Filed June 6, 1950.

ATCO

Applicant claims ownership of British Registration No. 410,604, dated Dec. 14, 1920, and T. M. Registration No. 153,828.
For Lawn Mowers.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 580,935. Manitowoc Cotton Goods Mfg. Co., Manitowoc, Wis. Filed June 23, 1949.

Samsonmite

Applicant claims ownership of Registration No. 509,390.
For Button Protector and/or Like Pad for Use in Laundering and Drycleaning Machines.
Claims use since Apr. 22, 1949.

Ser. No. 581,630. Union Steel Products Company, Albion, Mich. Filed July 7, 1949.

"KROMOLITE"

For Metal Clothes Drying Racks.
Claims use since July 1, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 535,214. Arrowhead, Inc., Denver, Colo. Filed Sept. 22, 1947.

Arrowhead

For Photographic Equipment Other Than Cameras—Namely, Tripods, Tripod Attachments, View Finders, Photo-Flood and Flash Lamp Holders.
Claims use since Oct. 1, 1946.

Ser. No. 565,477. The Challenge Machinery Company, Grand Haven, Mich. Filed Sept. 20, 1948.

CHALLENGE

For Precision Equipment for Layout and Inspection—Namely, Layout Surface Plate, Clamp Edge Layout Plate, Reading Tables, Checking Tables, Bench Plates, Round Lapping Plates, Bench Blocks, Lapping Plates, Straight Edges, Parallel Straight Edges, Surface Plates, Right Angle Irons, Angle Plates, Solid Parallels, Box Parallels, and V-Blocks.
Claims use since July 10, 1929.

Ser. No. 571,352. Robert E. Murphy, doing business as the International Lumitype Company, West Roxbury, Mass. Filed Dec. 30, 1948.

LUMITYPE

For Photo-Composing Apparatus for Assembling Body Type in Preparing Photographically, Display Headings, Layouts, Offset-Print and the Like, Comprised of a Composing Frame and Transparent Type Blocks To Be Used in Conjunction With Sensitized Paper.
Claims use since Dec. 11, 1948.

Ser. No. 573,456. The Tepper Company, New York, N. Y. Filed Feb. 5, 1949.

BE-BOP

For Non-Prescription Sun Glasses.
Claims use since Dec. 11, 1947.

Ser. No. 584,125. International Manufacturing Company, Kansas City, Mo. Filed Aug. 27, 1949.

luma-level

The word "level" is disclaimed.
For Carpenters', Plumbers', and Millwrights' Levels.
Claims use since Aug. 4, 1949.

Ser. No. 585,637. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Oct. 1, 1949.

ARISTO

For Sensitized Photographic Paper.
Claims use since Sept. 13, 1949.

Ser. No. 588,575. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Nov. 30, 1949.

EGGOMETER

For Adjustable Calculating Charts Used for Calculating the Amount of Feed To Be Fed Laying Hens.
Claims use since Nov. 26, 1948.

Ser. No. 588,627. Bausch & Lomb Optical Company, Rochester, N. Y. Filed Dec. 1, 1949.

BALFOR

For Telescopic Sights for Rifles.
Claims use since Oct. 10, 1949.

Ser. No. 588,629. Bausch & Lomb Optical Company, Rochester, N. Y. Filed Dec. 1, 1949.

BALVAR

For Telescopic Sights for Rifles.
Claims use since Sept. 12, 1949.

Ser. No. 588,778. Vivian Luther Westberg, doing business as Westberg Manufacturing Co., Chicago, Ill. Filed Dec. 3, 1949.

WESTACH

For Electric Speed Indicators Designed for Engine and Industrial Applications.
Claims use since Mar. 1, 1949.

Ser. No. 600,225. Peerless Camera Stores, Inc., New York, N. Y. Filed July 5, 1950. (Sec. 2f.)

Lubinf

For Photographic Apparatus—Namely, Photographic Cameras and Parts Thereof Including Lenses.
Claims use since January 1935.

Ser. No. 600,226. Peerless Camera Stores, Inc., New York, N. Y. Filed July 5, 1950.

TECHNIKA

For Photographic Apparatus—Namely, Photographic Cameras and Parts Thereof Including Lenses.
Claims use since January 1935.

Ser. No. 601,325. Keystone Mfg. Co., Dorchester and Boston, Mass. Filed July 27, 1950.

Olympic

For Motion Picture Cameras.
Claims use since May 4, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 597,175. [illegible] Stern Watch Agency, Inc., New York, N. Y. Filed May 9, 1950.

The Signature Watch

The word "Watch" is disclaimed.
For Watches.
Claims use since Mar. 6, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 597,010. Ostby and Barton Company, Providence, R. I. Filed May 6, 1950.

DuAmour

For Jewelry for Personal Wear or Adornment, Not Including Watches—Namely, Finger Rings, Earrings, Pendants, Brooches, Bracelets, and Charms.
Claims use since Mar. 15, 1950.

644 O. G.—64

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 575,572. Elizabeth M. Cooper, Litchfield, Conn., assignor to Robert W. Lehrfeld, Inc., New York, N. Y., a corporation of New York. Filed Mar. 17, 1949.

THE BRUSHOFF

For Brushes for Removing Dust, Lint and Hair From Textile Fabrics and From Various Articles of Wearing Apparel and Accessories Therefor—Namely, Hats, Clothing, Suede Shoes, Gloves, and Handbags.
Claims use since Sept. 30, 1948.

Ser. No. 577,433. Howard Dustless Duster Co., Boston and Dorchester, Mass. Filed Apr. 20, 1949.



The word "Moppit" and the representation of the mop are disclaimed.
For Wet Mops and Dusters.
Claims use since January 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 549,680. Robert F. Strupp, doing business as Midwest Manufacturing Company, Minneapolis, Minn. Filed Feb. 13, 1948.



The word "Chill" is disclaimed.
For Walk-In Coolers and Walk-In Freezers.
Claims use since Aug. 28, 1947.

Ser. No. 597,384. The Casite Corporation, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich. Filed May 13, 1950.

DENSITE

For Cartridges for Oil Filters.
Claims use since Mar. 17, 1950.

Ser. No. 600,882. Electrolux Corporation, Dover, Del., and New York, N. Y. Filed July 19, 1950.

ELECTROLUX

Applicant claims ownership of Registrations Nos. 195,691, 271,565, and others.
For Air Filters for Use in Vacuum Cleaners.
Claims use since April 1924.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 568,570. Barwa Associates, Chicago, Ill. Filed Nov. 12, 1948.

barwa

For Chairs.
Claims use since January 1946.

Ser. No. 597,247. American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Filed May 11, 1950.

MERIFOAM

For Sponge Rubber Pillows, Cushions, Mattresses.
Claims use since May 2, 1950.

Ser. No. 598,654. Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Filed June 6, 1950.



The panel upon which "Perma-Surf" is displayed is lined for red.
For Table Tops and Counter Tops Formed of Vitreous Material Bonded to Thin Metal Backing.
Claims use since Aug. 17, 1949.

Ser. No. 599,472. Zephyr American Corporation, New York, N. Y. Filed June 20, 1950.

ROLODEX

Applicant claims ownership of Registration No. 378,082.
For Visible Card Filing Device Housed in a Case With Cover.
Claims use since May 1, 1950.

CLASS 33

GLASSWARE

Ser. No. 552,435. Corning Glass Works, Corning, N. Y. Filed Mar. 19, 1948. (Sec. 2f.)

CORNING

For Glass Vessels Usable for Culinary Purposes and/or Chemicals; Glass Bowls Usable for Food, as Aquariums, or Light Applications; Glass Discs Usable as Coasters, Dish Covers, and/or Light Screens; Glass Tubes Usable as Drinking Tubes and/or for Chemicals.
Claims use since Jan. 1, 1914.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 601,087. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed July 22, 1950.



For Boilers, Air Heating Furnaces, and Oil Burners.
Claims use since June 7, 1950.

Ser. No. 601,088. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed July 22, 1950.



The drawing is lined for red, blue, and yellow.
For Boilers, Air Heating Furnaces, and Oil Burners.
Claims use since June 7, 1950.

Ser. No. 601,337. Schwab Furnace Co., Milwaukee, Wis. Filed July 27, 1950.

RID-ALL

For Incinerators.
Claims use since June 26, 1950.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 595,945. Decca Records, Inc., New York, N. Y. Filed Apr. 19, 1950.

DECCALITE

Applicant claims ownership of Registrations Nos. 400,537, 510,900, 524,950, 524,955, and 529,295.
For Grooved Phonograph Records.
Claims use since Mar. 15, 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,169. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Nov. 2, 1948.



The representation of the goods is disclaimed per se. The portraits of the boy and girl are fanciful.
For Paper Tablets and Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded.
Claims use since 1937.

Ser. No. 546,155. Hampshire Paper Company, Inc., Holyoke, Mass. Filed Aug. 20, 1947.

Mayfair Vellum

The word "Vellum" is disclaimed. Applicant claims ownership of Registrations Nos. 356,861 and 171,321.
For Printing and Writing Paper.
Claims use since Jan. 20, 1932.

Ser. No. 594,472. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed Mar. 23, 1950.

KALAKOTE

Applicant claims ownership of Registration No. 521,947.
For Bread Wrapping Paper.
Claims use since Oct. 29, 1948.

Ser. No. 597,270. Goldsmith Bros., New York, N. Y. Filed May 11, 1950.

MESSAGE

For Lead Pencils.
Claims use since June 28, 1926.

Ser. No. 598,217. Steiner-Block Paper Corp., Los Angeles, Calif. Filed May 26, 1950.

Panda

For Facial and Toilet Tissue.
Claims use since Apr. 13, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 526,344. Industrial Medicine Publishing Company, Chicago, Ill. Original filed, act of 1905, May 8, 1947; amended to application under act of 1946, Principal Register, Sept. 26, 1950. (Sec. 2f.)

Industrial Doctor

For Periodical Publication Column.
Claims use since January 1923.

Ser. No. 545,115. Fisher-Price Toys, Inc., East Aurora, N. Y. Filed Dec. 22, 1947.

TOYOLOGY

For Magazine Periodicals.
Claims use since Aug. 15, 1935.

Ser. No. 577,652. Ruth V. Bennett, New York, N. Y. Filed Apr. 25, 1949.

Nexus Portrait Writing

The word "Writing" is disclaimed.
For Original Writings or Short Poems in Manuscript.
Claims use since Feb. 1, 1949.

Ser. No. 589,587. Messenger Corporation, Auburn, Ind. Filed Dec. 19, 1949.

Greet 'n Gladden

The word "Greet" is disclaimed.
For Greeting Cards.
Claims use since Sept. 8, 1949.

Ser. No. 599,363. Burnham Corporation, Irvington, N. Y. Filed June 19, 1950.

UNDER GLASS

For Publication Published From Time to Time.
Claims use since March 1947.

Ser. No. 599,608. Bantam Books, Inc., New York, N. Y. Filed June 23, 1950.



Applicant claims ownership of Registration No. 426,140.
For Books.
Claims use since June 9, 1950, as to form shown; and since Nov. 19, 1945, in a slightly different form.

Ser. No. 599,629. Marshall Field & Company, Chicago, Ill. Filed June 23, 1950.

PAGE

For Advertising Supplement Appearing at Intervals in Periodical Publications.
Claims use since April 1950.

Ser. No. 600,059. Leo H. Joachim, New York, N. Y. Filed June 30, 1950.

PI A LA MODE

For Columns, Features, and Articles Published Weekly in a News Publication.
Claims use since 1928.

CLASS 39

CLOTHING

Ser. No. 559,450. The Frank H. Lee Company, Danbury, Conn., and elsewhere. Filed May 7, 1948. (Sec. 2f.)

KOMPOSITE OVAL

The word "Oval" is disclaimed. Applicant claims ownership of Registration No. 371,052.
For Men's and Women's Hats.
Claims use since Dec. 13, 1937.

Ser. No. 580,002. Robert E. Smith, New York, N. Y. Filed June 4, 1949.

HOWDY DOODY

For Sweaters, Apparel Belts, Neckties, Suspenders, Sport Shirts, Snowsuits, Hats, Dungarees, Playsuits, and Gloves of Leather, Fabric and Combintions Thereof.
Claims use since November 1948.

Ser. No. 588,312. The Middishade Company, Inc., Philadelphia, Pa. Filed Nov. 25, 1949.

Middi-Gab

The word "Gab" is disclaimed. Applicant claims ownership of Registrations Nos. 231,278, 231,882, and 516,543.
For Men's and Young Men's Suits, Coats, Vests, Trousers, Overcoats, and Top Coats.
Claims use since July 25, 1949.

Ser. No. 591,794. Mighty Mite, New York, N. Y. Filed Feb. 1, 1950.

mighty mite

For Certain Garments for Infants and Children—Namely, Creepers, Cardigan Sweaters, Polo Shirts, Pajamas, and Outer Suits Formed in One, Two, and Three Pieces.
Claims use since Feb. 2, 1949.

Ser. No. 592,399. Standard Knitting Mills, Inc., Knoxville, Tenn. Filed Feb. 13, 1950. (Sec. 2f.)

Healthknit

Applicant claims ownership of Registration No. 270,245.
For Men's, Boys' and Children's Underwear; Infants' and Children's Sleepers; Boys' and Girls' Pajama Type Sleepers; Men's Pajamas; and Men's and Boys' T Shirts, Polo Shirts, and Basque Shirts.
Claims use since Aug. 4, 1928.

Ser. No. 592,752. Borden Import Corp., New York, N. Y. Filed Feb. 20, 1950.

COVEL

For Men's Hats.
Claims use since Aug. 1, 1949.

Ser. No. 595,234. Truval Manufacturers, Inc., New York, N. Y. Filed Apr. 4, 1950.

TruVal

GLIDER

Applicant claims ownership of Registrations Nos. 96,306, 376,349, 397,527, 415,994, 428,203, 428,204, and 428,205.
For Business Shirts for Men and Young Men.
Claims use since Mar. 7, 1950.

Ser. No. 596,614. Mid City Uniform Cap Co., doing business under the style name of Citation Hats of Distinction, Chicago, Ill. Filed Apr. 29, 1950.

The Delegate

For Men's Hats.
Claims use since Jan. 3, 1950.

Ser. No. 596,658. Fairy Silk Mills, Inc., Shillington, Pa. Filed May 1, 1950.

Faerie

Applicant claims ownership of Registrations Nos. 505,325, 368,258, and 374,346.
For Outer and Under Wear Garments, for Women, Misses, and Girls—Namely, Camisoles, Bandeaux, Vests, Bloomers, Panties, Shorts, Drawers, Outer and Under Shirts, Knickers, Chemises, Union Suits, Slips, Nightgowns, Pajamas, Petticoats, Brassières, Housecoats, Negligees, Girdles, Pantie Girdles, Bed Jackets, Dresses, Skirts, and Blouses.
Claims use since Mar. 1, 1923.

Ser. No. 597,204. Pauline Granichstadten, Inc., doing business under the name and style of Conversation Fabrics, Wellesley Hills, Mass. Filed May 10, 1950.

Temptation

For Men's Under and Outer Shorts and Bathing Trunks.
Claims use since May 3, 1950.

Ser. No. 597,236. Standard Knitting Mills, Inc., Knoxville, Tenn. Filed May 10, 1950.

WYNKEN, BLYNKEN and NOD

For Children's Sleeping Garments.
Claims use since Mar. 22, 1950.

Ser. No. 597,494. Beverly Vogue Company, Los Angeles, Calif. Filed May 16, 1950.

Bias-Y

The word "Bias" is disclaimed.
For Girdles and Pantie Girdles.
Claims use since Mar. 15, 1950.

Ser. No. 597,634. Steiner-Koppel, Inc., Freehold, N. J. Filed May 17, 1950.

SWACKS

For Men's and Ladies' Pajamas, Lounge-Suits, Play-Suits, and Sport-Suits.
Claims use since May 31, 1949.

Ser. No. 599,627. Femode Foundations, Inc., New York, N. Y. Filed June 23, 1950.

Diamond FLATery

For Ladies' and Misses' Corsets, Girdles, and Corselettes.
Claims use since Apr. 10, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 592,500. Lacrinoid Products Limited, Gidea Park, England. Filed Feb. 15, 1950.

TONALL

Applicant claims ownership of British Registration No. 671,314, dated July 20, 1948.
For Buttons Made From Imitation Horn.

Ser. No. 593,055. Columbia Fastener Company, Chicago, Ill. Filed Feb. 25, 1950.



The drawing is lined for shading. The picture is that of Miss Edith More, whose consent is of record in the file of Registration No. 124,923. Applicant claims ownership of Registration No. 522,654.
For Needles for Hand Sewing.
Claims use since June 17, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 594,791. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registrations Nos. 507,737, 507,738, and 507,750, all dated Nov. 12, 1929.

For Piece Goods Woven of Linen, Hemp, Wool, Worsted, Hair, Synthetic Fibers, and Plastic Yarn; and for Plastic Film for Making Into Garment Bags, Raincoats, Shower Curtains, and the Like.

Ser. No. 595,195. Forstmann Woolen Co., Passaic, N. J. Filed Apr. 4, 1950. (Sec. 2f.)

CAMBRIA

Applicant claims ownership of Registration No. 232,481.
For Woolen Piece Goods.
Claims use since Aug. 2, 1926.

Ser. No. 597,628. Schadt & Mathewson, Detroit, Mich. Filed May 17, 1950.

BLUE GOOSE BRAND

The drawing is lined to indicate the color blue, but no claim is made to color. The word "Brand" is disclaimed.

For Down, Wool and Cotton Comforters, Pillow Protectors, Mattress Covers, Bed Spreads, Drapes, Mattress Protectors.
Claims use since August 1917.

Ser. No. 597,657. Bartmann & Bixer, Inc., New York, N. Y. Filed May 18, 1950.

KENNETH KOMPLETES

The word "Kompletes" is disclaimed. Applicant claims ownership of Registration No. 335,522.
For Window Curtains.
Claims use since Jan. 16, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 539,428. The H. R. Nicholson Company, doing business as The Syrup Products Company, Baltimore, Md. Filed Oct. 29, 1947.

RITZY

For Synthetic Orange Concentrate for Making a Non-Alcoholic, Maltless Soft Drink Beverage.
Claims use since Sept. 26, 1947.

Ser. No. 581,935. Cocobelle, Inc., Tampa, Fla. Filed July 14, 1949.

CocoBelle

The word "Coco" is disclaimed.
For Non-Alcoholic, Maltless Soft Drink and a Cocoa Mixture Concentrate Used in Preparation of Maltless Soft Drinks.
Claims use since May 27, 1949.

Ser. No. 581,936. Cocobelle, Inc., Tampa, Fla. Filed July 14, 1949.

Cocobelle

The word "Coco" is disclaimed. The drawing is lined for contrasting brown colors.
For Non-Alcoholic Maltless Soft Drink and a Cocoa Mixture Concentrate Used in Preparation of Maltless Soft Drinks.
Claims use since May 27, 1949.

Ser. No. 601,026. Dr. Pepper Company, Dallas, Tex. Filed July 21, 1950. (Sec. 2f as to "Dr. Pepper.")

10 2
Dr Pepper
4

The name "Dr. Pepper" is fanciful. Applicant claims ownership of Registrations Nos. 515,147, 518,292, and others.
For Nonalcoholic, Maltless, Beverages Sold as Soft Drinks, and Syrups for Making Same.
Claims use since June 1, 1950, on the mark as shown; and since 1885 on the words "Dr. Pepper."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 516,691. Harvey R. Grant, doing business as The H. R. Grant Bakery, Chicago, Ill. Original filed, act of 1905, Jan. 31, 1947; amended to application under act of 1946, Principal Register, Oct. 28, 1947.

PICK YOUR BREAD FROM THE BREADFRUIT TREE

The slogan "Pick Your Bread From the Breadfruit Tree" is disclaimed.
For Bread.
Claims use since Jan. 10, 1947.

Ser. No. 532,459. Joannes Brothers Company, doing business as Northwest Warehousing Co., Green Bay, Wis. Filed Aug. 26, 1947.

Cloverland

Applicant claims ownership of Registration No. 192,631.
For Canned Asparagus, Green Beans, Wax Beans, Corn, Peas, Spinach, Tomatoes, Tomato Soup, Spaghetti, Molasses, and Peanut Butter.
Claims use since June 12, 1924.

Ser. No. 536,081. Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Sept. 29, 1947. (Sec. 2f.)

DOLE

Applicant claims ownership of Registrations Nos. 85,113, 251,010, 263,178, 263,179, 263,656, 264,021, 302,518, 307,579, 308,953, 326,934, 326,935, 339,371, 360,188, 387,468, and 406,088.
For Canned Pineapple Juice.
Claims use since June 1934.

Ser. No. 536,103. Life of Wheat Company, Monticello, Ill. Filed Sept. 29, 1947.



The drawing is lined for the colors yellow and red.
For Defatted Wheat Germ.
Claims use since May 27, 1938.

Ser. No. 556,250. L. H. Crum, Quitman, Ga. Filed May 5, 1948.

WIN

For 100% Pure Canned Horse Meat for Carnivorous Animals Only.
Claims use since Mar. 7, 1947.

Ser. No. 556,849. Tennessee Eastman Corporation, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed May 11, 1948.

TENOX

For Chemical Preparation for Use as an Inhibitor To Retard Deterioration of Food or Foodstuffs, and Antioxidants for Foods or Foodstuffs.
Claims use since Apr. 16, 1948.

Ser. No. 557,599. Fairmont Foods Company, Omaha, Nebr. Filed May 22, 1948.

Plymouth

Applicant claims ownership of Registration No. 163,431.
For Dressed Poultry.
Claims use since 1910.

Ser. No. 561,885. Confections, Inc., Chicago, Ill. Filed July 22, 1948. (Sec. 2f.)

Olde Style

Applicant claims ownership of Registration No. 399,556.
For Seasoned Popcorn.
Claims use since March 1941.

Ser. No. 562,344. Eugene Fruit Growers Association, Eugene, Oreg. Filed July 28, 1948. (Sec. 2f.)

McKENZIE

Applicant claims ownership of Registration No. 221,945.
For Canned Fruits and Vegetables.
Claims use since Sept. 1, 1925.

Ser. No. 567,994. Mission Dry Corporation, Los Angeles, Calif. Filed Nov. 1, 1948.

MISSION

Applicant claims ownership of Registrations Nos. 403,406, 409,505, and 409,509.
For Fruit Flavors of Various Kinds Used for Ice Cream and Sherbet Bases.
Claims use since Dec. 1, 1919.

Ser. No. 569,114. California Frozen Foods, Inc., Modesto, Calif., assignee of Wilbur-Ellis Company. Filed Nov. 19, 1948.

FAIR ACRES

For Frozen Fresh Deciduous Fruits and Frozen Fresh Vegetables.
Claims use since Apr. 27, 1948.

Ser. No. 570,905. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Filed Dec. 21, 1948.

trinose

Applicant claims ownership of Dutch Registration No. 75,710, dated Nov. 8, 1940.
For Dextrine-Maltose Food Preparation for Infants and Children.

Ser. No. 573,820. J. Aron & Company, Inc., New Orleans, La. Filed Feb. 14, 1949. (Sec. 2f.)

AA
A 1

Applicant claims ownership of Registration Nos. 397,038, 148,631, and 186,806.
For Green Coffee.
Claims use since February 1921.

Ser. No. 574,656. Woody's Cheese Company, Green Bay, Wis. Filed Feb. 28, 1949.

Woody's
CHUNK O'GOLD

The surname "Woody's" and the outline of the map of Wisconsin are disclaimed.
For Cheese Food.
Claims use since Dec. 1, 1947.

Ser. No. 578,500. George Haworth, doing business as General Fruit & Produce Co., Laredo, Tex. Filed May 10, 1949.

CHACHA

For Fresh Tomatoes.
Claims use since Apr. 6, 1948.

Ser. No. 578,592. Griggs, Cooper & Company, doing business as Standard Food Mfg. Co., St. Paul, Minn. Filed May 11, 1949.

THINUETS

For Soda Crackers.
Claims use since Apr. 11, 1949.

Ser. No. 582,964. Jefferson Island Salt Company, Louisville, Ky. Filed Aug. 4, 1949.

BIG STEER



The drawing is lined for red and black.
For Salt for Animal Consumption.
Claims use since May 31, 1949.

Ser. No. 583,164. Wm. Musante & Co., doing business as Musco Grocery Company and Musco Cash & Carry Grocery Company, San Francisco, Calif. Filed Aug. 8, 1949.

MUSCO

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Tomato Sauce, Olives, Olive Oil, Fruit Preserves, Tomato Catsup, Italian Style Peperoncini, Wax Peppers, Pickled Peppers, Artichoke Hearts, Pickled Onions, Cider Vinegar, Salad Oil, Dry Mushrooms, and Canned Ceci (Dry Chick Peas).
Claims use since Oct. 15, 1925.

Ser. No. 583,257. The Great American Tea Company, New York, N. Y. Filed Aug. 10, 1949.

Green Key

The drawing is lined for green. Applicant claims ownership of Registrations Nos. 69,037, 80,913, 207,955, 502,466, and 511,895.
For Coffee.
Claims use since Mar. 8, 1930.

Ser. No. 585,318. Garrott Candy Company, St. Paul, Minn. Filed Sept. 26, 1949. (Sec. 2f.)

by request

For Candies.
Claims use since Sept. 20, 1937.

Ser. No. 589,215. Horlicks Corporation, Racine, Wis. Filed Dec. 12, 1949. (Sec. 2f.)

HORLICKS

Applicant claims ownership of Registrations Nos. 29,795, 105,593, and others.
For Powdered Malted Milk; Malted Milk in Tablet Form; Cocoa Powder Consisting of Sugar, Malted Milk, Skim Milk Solids, Cocoa, Salt and Flavoring.
Claims use since 1874.

Ser. No. 590,292. Tri-Valley Packing Association, San Francisco, Calif. Filed Jan. 3, 1950. (Sec. 2f.)

NUGENT

Applicant claims ownership of Registration No. 143,790.
For Canned Fruits and Canned Vegetables.
Claims use since Mar. 1, 1918.

Ser. No. 595,746. George W. Shidler, doing business as "George's Bakery," National City, Calif. Filed Apr. 14, 1950.

"Flying Saucer"

For Sweet Rolls.
Claims use since Mar. 1, 1950.

Ser. No. 597,807. American Home Foods, Inc., New York, N. Y. Filed May 20, 1950.

C 246

For Coffee Concentrate.
Claims use since Mar. 20, 1950.

Ser. No. 597,875. Couture Farms, Modesto, Calif. Filed May 22, 1950.

SEA-FOAM

Applicant claims ownership of Registration No. 247,063.
For Fresh Cantaloupes and Fresh Grapes.
Claims use since August 1927.

Ser. No. 597,905. Prime Products, Inc., Tampa, Fla. Filed May 22, 1950.

RANGO

For Canned Orange Concentrate Product Comprising Orange Meat, Orange Juice, Dextrose, Sugar, Citric Acid, and Vitamin C.
Claims use since Apr. 28, 1950.

Ser. No. 598,442. The Taylor-Reed Corporation, Glenbrook, Conn. Filed June 1, 1950.

Q-T

Applicant claims ownership of Registration No. 193,565.
For Pie-Crust and Pastry Mix and Frosting Mixes.
Claims use since June 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 601,335. Jos. Schlitz Brewing Company, Milwaukee, Wis. Filed July 27, 1950. (Sec. 2f as to "Schlitz.")

Schlitz

The drawing is lined for the colors ruby and gold. Applicant claims ownership of Registrations Nos. 52,011, 87,489, and others.
For Beer.
Claims use since Feb. 2, 1950, on the mark as shown; and since 1894 on the word "Schlitz."

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 566,357. National Production Company, Detroit, Mich. Filed Oct. 2, 1948.

KIDDIE STEP ★★★

For Children's Step Ladder.
Claims use since Sept. 1, 1948.

Ser. No. 574,457. Quaker Rubber Corporation, Philadelphia, Pa. Filed Feb. 24, 1949.

CROWN

For Rubber Matting or Runners for Floors.
Claims use since 1909.

Ser. No. 578,088. McGill Metal Products Company, Marengo, Ill. Filed May 2, 1949. (Sec. 2f.)

BETTER

For Mouse and Rat Traps.
Claims use since June 21, 1932.

Ser. No. 579,852. Zunino-Altman, Inc., New York, N. Y. Filed June 1, 1949.

DECORETTE

For Artificial Flowers Used as Table Centerpieces, Table Decorations, and Bowl Ornaments.
Claims use since May 17, 1949.

Ser. No. 590,914. Robinson-Lloyds, Ltd., New York, N. Y. Filed Jan. 14, 1950.

IMPERATOR Life-Guard

Applicant claims ownership of Registrations Nos. 312,712 and 312,717.
For Corks for the Purpose of Re-Sealing Bottles Containing Partially Consumed Beverages.
Claims use since Dec. 2, 1949.

Ser. No. 594,893. Coventry Ware, Inc., Barberton, Ohio. Filed Mar. 30, 1950.



For Figurines and Animal Figures.
Claims use since Feb. 2, 1948.

Ser. No. 596,918. Hamilton Manufacturing Corporation, Columbus, Ind. Filed May 5, 1950.

COSCO

Applicant claims ownership of Registration No. 518,072.
For Step Ladders.
Claims use since August 1945.

Ser. No. 597,081. Huntington Land and Improvement Company, doing business under the name and style of Standard Felt Co., San Marino and Alhambra, Calif. Filed May 8, 1950.

AVALON

For Wool Felt.
Claims use since 1916.

Ser. No. 598,063. Jean Carpenter, Clayton, Mo. Filed May 25, 1950.

Lilliputs

For Miniature Representations of Trees, Shrubs, Flowers, Grass, Tunnels, Landscapes, and Backgrounds, Which Are Used for Decoration Purposes.
Claims use since May 11, 1950.

Ser. No. 599,290. The Ullman Company, Inc., Brooklyn, N. Y. Filed June 16, 1950.

Princess

Applicant claims ownership of Registrations Nos. 224,051, 440,592, and 443,741.
For Place Mats Made of Cork, a Combination of Cork and Shade Cloth Material With a Plastic Surface, and Cork With an Acetate Lamination.
Claims use since January 1945.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 566,102. Rejane, Inc., New York, N. Y. Filed Sept. 29, 1948.

COLIBRI

(HUMMINGBIRD)

Applicant claims ownership of Registration No. 442,946.
For Perfumes, Toilet Waters, Eau de Cologne, Lipstick, Face Powder, Rouge, and Face and Hand Creams.
Claims use since November 1947.

Ser. No. 567,509. Etablissements Rigaud, Inc., New York, N. Y. Filed Oct. 23, 1948.

"Fragrant Breeze"

The word "Fragrant" is disclaimed.
For Perfume, Toilet Water, and Cologne.
Claims use since Aug. 15, 1948.

Ser. No. 572,107. Lucien Lelong, Inc., Chicago, Ill. Filed Jan. 13, 1949.

Baguette

Applicant claims ownership of Registration No. 505,405.
For Perfumes.
Claims use since July 1929.

Ser. No. 575,244. Bernard Chiego, doing business as Bioresearch Laboratories, Newark, N. J. Filed Mar. 11, 1949.

SKIN LURE

For Cosmetic or Cream Lotion for Application to a Person's Skin.
Claims use since early part of April 1949.

Ser. No. 579,416. Richard Hudnut, New York, N. Y. Filed May 24, 1949.

DREAM HOUSE

For Perfume and Toilet Water.
Claims use since May 9, 1949.

Ser. No. 579,417. Richard Hudnut, New York, N. Y. Filed May 24, 1949.

PARTY FAVOR

For Talcum Powder.
Claims use since May 9, 1949.

Ser. No. 581,222. Lillian Wallace, Inc., Chicago, Ill. Filed June 28, 1949.

Sprite

For Cuticle Removing Preparations and Nail Polish.
Claims use since Sept. 7, 1939.

Ser. No. 585,266. John H. Breck, Inc., Springfield, Mass. Filed Sept. 24, 1949.



The mark consists of the concentric circles with a solid center against which is placed a fanciful profile. Applicant claims ownership of Registrations Nos. 285,031, 337,494, 353,163, 359,764, 395,869, 432,929, 437,883, 506,097, 514,148, and 521,473.
For Preparations for the Treatment of the Hair and Scalp—Namely, Hair Creams, Hair Lotions, Hair Tonics, Face Creams, Perfumes, and Hand Softeners.
Claims use since Apr. 18, 1949.

Ser. No. 585,807. Marie Ogren, San Mateo, Calif. Filed Oct. 5, 1949.



The term "Marie Ogren" is a facsimile of applicant's signature. The word "Soft" is disclaimed.
For Skin Lotion.
Claims use since Apr. 25, 1949.

Ser. No. 587,150. Rebels Company, Inc., Berkeley Heights, N. J. Filed Sept. 27, 1949.

CHLORHYDROL

For Aluminum Chloride for Use as an Astringent in Anti-Perspirant and Deodorant Cosmetic Products.
Claims use since Feb. 17, 1947.

Ser. No. 588,693. Lehn & Fink Products Corporation, Bloomfield, N. J. Filed Dec. 2, 1949.

Optimiste

Applicant claims ownership of Registration No. 173,240.
For Perfume, Lipstick, Cream Rouge, and Compact Rouge.
Claims use since Mar. 17, 1948.

Ser. No. 591,839. Coty, Inc., New York, N. Y. Filed Feb. 2, 1950.

Aralinn

For Skin Lotion.
Claims use since Jan. 19, 1950.

Ser. No. 594,608. John George Evanko, Pittsburgh, Pa. Filed Mar. 15, 1950.

E-VAN-KO



The signature and portrait are those of applicant. Applicant claims ownership of Registration No. 274,680.
For Preparation Used for Stimulating the Growth of Hair and for Scalp Irritations.
Claims use since Jan. 15, 1930.

Ser. No. 595,301. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Apr. 6, 1950.

Canary Red

The word "Red" is disclaimed.
For Lipstick, Rouge, and Nail Polish.
Claims use since Mar. 3, 1950.

Ser. No. 596,695. Priscilla Mae Williams, doing business as Priscilla M. Williams Mfg. Co., Gary, Ind. Filed May 1, 1950.

REFUGE

For Hair Preparation for the Grooming of the Hair Having Incidental Properties for the Stopping of Falling Hair and the Restoration of Color to the Hair.
Claims use since Mar. 1, 1950.

Ser. No. 598,241. Jacqueline Cochran, Inc., Newark, N. J. Filed May 27, 1950.

RED SPARK

The term "Red" is disclaimed.
For Lipstick.
Claims use since May 2, 1950.

Ser. No. 598,243. Jacqueline Cochran, Inc., Newark, N. J. Filed May 27, 1950.

SUNDAY RED

Applicant disclaims the term "Red."
For Lipstick.
Claims use since May 2, 1950.

Ser. No. 599,639. Lehn & Fink Products Corporation, Bloomfield, N. J. Filed June 23, 1950.

RED TREY

The word "Red" is disclaimed.
For Lipsticks.
Claims use since May 26, 1950.

Ser. No. 600,643. George G. Blaisdell, doing business as Zira Laboratories, Bradford, Pa. Filed July 14, 1950.

ZIRENN

For Preparation for Preventing Suntan Peeling.
Claims use since June 28, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 580,919. Botany Mills, Inc., Passaic, N. J. Filed June 23, 1949.



Applicant claims ownership of Registration No. 409,028.
For Toilet Soap.
Claims use since Mar. 22, 1949.

Ser. No. 583,806. A. R. Maas Chemical Co., South Gate, Calif., assignor to Victor Chemical Works, a corporation of Illinois. Filed Aug. 22, 1949.



Applicant claims ownership of Registration No. 207,552.
For Cleaning and Washing Compounds—Namely, Sodium Carbonate Monohydrate, Disodium Phosphate Anhydrous, Disodium Phosphate Dodecahydrate, Trisodium Phosphate Dodecahydrate, Trisodium Nitrophosphate Hydrate, Sodium Pyrophosphate Anhydrous, Sodium Pyrophosphate Decahydrate, Sodium Tripolyphosphate Anhydrous, Sodium Tripolyphosphate, Anhydrous Trisodium Phosphate.
Claims use since January 1917.

Ser. No. 587,470. Flo-Bar, Limited, New York, N. Y. Filed Nov. 8, 1949.

Flobar

For Liquid Soaps and Perfumed Soaps.
Claims use since July 26, 1949.

Ser. No. 588,207. Fairfield Laboratories, Inc., Plainfield, N. J. Filed Nov. 23, 1949.

Cee-Dee

For Germicidal Detergent and Sanitizing Preparation.
Claims use since Feb. 1, 1947.

Ser. No. 588,318. P & M Manufacturing Company, Los Angeles, Calif. Filed Nov. 25, 1949.

Draynamite

For Drain Pipe Solvent.
Claims use since March 1930.

Ser. No. 592,556. The C. B. Dolge Company, Westport, Conn. Filed Feb. 16, 1950.

VOLAX

For Hand Cleaning Composition.
Claims use since Oct. 1, 1949.

Ser. No. 593,243. Rainwater, Inc., New York and Rye, N. Y. Filed Mar. 1, 1950.

Rain Water

No claim is made to the words "Rain Water."
For Shampoo.
Claims use since Feb. 14, 1950.

Ser. No. 594,330. Pacific Compound and Manufacturing Company, Seattle, Wash. Filed Mar. 21, 1950.

Launder-ease

The word "Launder" is disclaimed.
For Laundry Detergents.
Claims use since July 1, 1948.

Ser. No. 595,028. Bud Type Cleaner, Inc., Baltimore, Md. Filed Feb. 16, 1950.

BUD

For Cleaner for Typewriter and Printing Type.
Claims use since July 6, 1949.

Ser. No. 596,281. Hosid Products Inc., Syracuse, N. Y. Filed Apr. 25, 1950.

glamur

For Liquid Cleaner for Upholstery, Rugs, and Carpets.
Claims use since Apr. 7, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 545,076. California Research Corporation, Wilmington, Del., and San Francisco, Calif. Filed Dec. 22, 1947.



The words "California Research" are disclaimed.
For Research, Development, and Consultation Services in Problems Pertaining to the Production, Transportation, Refining and Utilization of Petroleum and Its Products, Chemicals and Chemical Products and Processes, and in Geological, Geophysical, Drilling, Producing, and Surface Processing Problems; Development and Execution of Process Design of Process Plants in Said Fields.
Claims use since Dec. 15, 1946.

Ser. No. 561,543. Air Carrier Service Corporation, Wilmington, Del., and Washington, D. C. Filed July 16, 1948.

AIRCAR

For Procurement of Aviation Equipment and Supplies as Agents for Air Lines Throughout the World and Rendering of Technical Services Connected With Operations, Maintenance, and Engineering in Respect to Air Lines, i. e., Locating, Inspecting, and Selecting Aviation Equipment and Supplies for Air Lines, Purchasing the Same as Agents for Air Lines; Establishing Proper Systems of Procurement, Warehousing and Material Control, Including Training of Air Line Employees in the Techniques

Involved; Informing Air Lines of New Types of Equipment and Materials and Improving Maintenance and Operating Procedures, and Furnishing Complete Technical and Operating Data Regarding Same; Training Air Line Personnel in Operations and Maintenance; Furnishing Air Lines With Complete and Detailed Information for the Planning of All Ground Facilities, Preparation of Lists of Various Equipment, Machinery and Tools Needed, and Procurement of the Same; Conducting Engineering Flight Tests, Acceptance Tests on Aircraft, Flight Deliveries to Any Point in the World, and Professional Guidance in the Setting Up of Flight Operation and Training Programs, and Management of the Same; Installing Safety Devices for Air Lines and Training of Air Line Personnel in Safety Methods and Techniques; Supplying Information on Air Line Organization, Office Procedures and Accounting Systems, and Installing the Same; Representing Air Lines Before Governmental Agencies, Preparing Briefs, Obtaining Clearances and Permits, and Compiling Information on Laws and Regulations Affecting Air Lines.

Claims use since June 23, 1948.

Ser. No. 564,354. Shopportunity, Inc., New York, N. Y. Filed Aug. 28, 1948. (Classified in Class 102.)



For Shopping Service—Namely, the Purchase and Shipment Abroad of United States Products, and Affording Facilities for the Convenient Transaction of Business, for Its Principals and Patrons, in the United States and All Parts of the World.

Claims use since June 21, 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 561,543. Air Carrier Service Corporation, Wilmington, Del., and Washington, D. C. Filed July 16, 1948. (Classified in Class 100.)

AIRCAR

For Procurement of Aviation Equipment and Supplies as Agents for Air Lines Throughout the World and Rendering of Technical Services Connected With Operations, Maintenance, and Engineering in Respect to Air Lines, i. e., Locating, Inspecting, and Selecting Aviation Equipment and Supplies for Air Lines, Purchasing the Same as Agents for Air Lines; Establishing Proper Systems of Procurement, Warehousing and Material Control, Including Training of Air Line Employees in the Techniques Involved; Informing Air Lines of New Types of Equipment and Materials and Improving Maintenance and Operating Procedures, and Furnishing Complete Technical and Operating Data Regarding Same; Training Air Line Personnel in Operations and Maintenance; Furnishing Air Lines With Complete and Detailed Information for the Planning of All Ground Facilities, Preparation of Lists of Various Equipment, Machinery and Tools Needed, and Procurement of the Same; Conducting Engineering Flight Tests, Acceptance Tests on Aircraft, Flight Deliveries to Any Point in the World, and Professional Guidance in the Setting Up of Flight Operation and Training Programs, and Management of the Same; Installing Safety Devices for Air Lines and Training of Air Line Personnel in Safety Methods and Techniques; Supplying Information on Air Line Organization, Office Procedures and Accounting Systems, and Installing the Same; Representing Air Lines Before Governmental Agencies, Preparing Briefs, Obtaining Clearances and Permits, and Compiling Information on Laws and Regulations Affecting Air Lines.

Claims use since June 23, 1948.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 564,354. Shopportunity, Inc., New York, N. Y. Filed Aug. 28, 1948.



For Shopping Service—Namely, the Purchase and Shipment Abroad of United States Products, and Affording Facilities for the Convenient Transaction of Business, for Its Principals and Patrons, in the United States and All Parts of the World.

Claims use since June 21, 1948.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 574,917. National Electrical Contractors Association, Washington, D. C. Filed Mar. 4, 1949. COLLECTIVE MARK.



The entire wording, with the exception of the initials NECA, is disclaimed.

For Repairing and Installing Electrical Equipment.

Claims use since July 1948.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 561,543. Air Carrier Service Corporation, Wilmington, Del., and Washington, D. C. Filed July 16, 1948. (Classified in Class 100.)

AIRCAR

For Procurement of Aviation Equipment and Supplies as Agents for Air Lines Throughout the World and Rendering of Technical Services Connected With Operations, Maintenance, and Engineering in Respect to Air Lines, i. e., Locating, Inspecting, and Selecting Aviation Equipment and Supplies for Air Lines, Purchasing the Same as Agents for Air Lines; Establishing Proper Systems of Procurement, Warehousing and Material Control, Including Training of Air Line Employees in the Techniques Involved; Informing Air Lines of New Types of Equipment and Materials and Improving Maintenance and Operating Procedures, and Furnishing Complete Technical and Operating Data Regarding Same; Training Air Line Personnel in Operations and Maintenance; Furnishing Air Lines With Complete and Detailed Information for the

Planning of All Ground Facilities, Preparation of Lists of Various Equipment, Machinery and Tools Needed, and Procurement of the Same; Conducting Engineering Flight Tests, Acceptance Tests on Aircraft, Flight Deliveries to Any Point in the World, and Professional Guidance in the Setting Up of Flight Operation and Training Programs, and Management of the Same; Installing Safety Devices for Air Lines and Training of Air Line Personnel in Safety Methods and Techniques; Supplying Information on Air Line Organization, Office Procedures and Accounting Systems, and Installing the Same; Representing Air Lines Before Governmental Agencies, Preparing Briefs, Obtaining Clearances and Permits, and Compiling Information on Laws and Regulations Affecting Air Lines.

Claims use since June 23, 1948.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 561,543. Air Carrier Service Corporation, Wilmington, Del., and Washington, D. C. Filed July 16, 1948. (Classified in Class 100.)

AIRCAR

For Procurement of Aviation Equipment and Supplies as Agents for Air Lines Throughout the World and Rendering of Technical Services Connected With Operations, Maintenance, and Engineering in Respect to Air Lines, i. e., Locating, Inspecting, and Selecting Aviation Equipment and Supplies for Air Lines, Purchasing the Same as Agents for Air Lines; Establishing Proper Systems of Procurement, Warehousing and Material Control, Including Training of Air Line Employees in the Techniques Involved; Informing Air Lines of New Types of Equipment and Materials and Improving Maintenance and Operating Procedures, and Furnishing Complete Technical and Operating Data Regarding Same; Training Air Line Personnel in Operations and Maintenance; Furnishing Air Lines With Complete and Detailed Information for the Planning of All Ground Facilities, Preparation of Lists of Various Equipment, Machinery and Tools Needed, and Procurement of the Same; Conducting Engineering Flight Tests, Acceptance Tests on Aircraft, Flight Deliveries to Any Point in the World, and Professional Guidance in the Setting Up of Flight Operation and Training Programs, and Management of the Same; Installing Safety Devices for Air Lines and Training of Air Line Personnel in Safety Methods and Techniques; Supplying Information on Air Line Organization, Office Procedures and Accounting Systems, and Installing the Same; Representing Air Lines Before Governmental Agencies, Preparing Briefs, Obtaining Clearances and Permits, and Compiling Information on Laws and Regulations Affecting Air Lines.

Claims use since June 23, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,447. Coffee. George J. Howe Company, Inc., Grove City, Pa.
Filed June 5, 1946, Serial No. 503,293. Published Dec. 19, 1950. Class 46.

444,448. Wheel Dressers—Namely, Wheels and Adjusting Mechanism Therefor Used To Impart Form Contours on Abrasive Wheels. The Sheffield Corporation, Dayton, Ohio.
Filed June 20, 1946, Serial No. 504,298. Published Dec. 26, 1950. Class 23.

444,449. Chairs of Various Types, Specifically Chairs of the Theatre Type Suitable for Use in Theatres, Etc. American Seating Company, Grand Rapids, Mich.
Filed Sept. 7, 1946, Serial No. 508,640. Published Oct. 18, 1949. Class 32.

444,450. Comic Drawings, Published in Daily and Sunday Newspapers. NEA Service, Inc., Cleveland, Ohio.
Filed Sept. 19, 1946, Serial No. 509,361. Published Nov. 7, 1950. Class 38.

444,451. Automobile Floor Covers and Running Board Covers, Cab Curtains for Locomotive Cabs, Etc. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,730. Published Dec. 26, 1950. Class 19.

444,452. Heating Apparatus Comprising Thermostats, Control Switches, Wiring, Steam Control Valves, Steam Piping and Radiators; Unit Heaters. Warren Webster & Company, Camden, N. J.
Filed July 2, 1947, Serial No. 525,723. Published Dec. 26, 1950. Class 34.

444,453. Knitted Socks. The Adler Company, Cincinnati, Ohio.
Filed July 3, 1947, Serial No. 525,757. Published May 17, 1949. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

539,792. Cleaning Material—Namely, a Soluble Detergent in Powder Form Adapted for General Household Cleaning Purposes. Gliss'n Products Co., Inc., Chicago, Ill.
Original filed, act of 1905, Dec. 15, 1945; amended to application under act of 1946, Principal Register, Dec. 1, 1948, Serial No. 493,346. Published Apr. 25, 1950. Class 52.

539,793. Automobile Seat Covers. Protection Products Co., Chicago, Ill.
Original filed, act of 1905, Aug. 14, 1946; amended to application under act of 1946, Principal Register, Apr. 26, 1948, Serial No. 507,420. Published Nov. 14, 1950. Class 19.

539,794. Paint Brushes and Rollers Equipped With a Finger Controlled Jet for Applying Paint to Either the Surface To Be Painted or to the Brush or Roller. The K. J. Miller Corporation, Cicero, Ill., by change of name from Miller-Simons, Inc.
Original filed, act of 1905, Oct. 3, 1946: amended to application under act of 1946, Principal Register, Dec. 20, 1947, Serial No. 510,188. Published Jan. 2, 1951. Class 29.

539,795. Gasoline and Lubricating Oil. The Crystal Flash Petroleum Corporation, Indianapolis, Ind.
Original filed, act of 1905, Oct. 30, 1946; amended to application under act of 1946, Principal Register, Nov. 14, 1947, Serial No. 511,732. Published Jan. 2, 1951. Class 15.

539,796. Machine for Reconditioning Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Original filed, act of 1905, Dec. 26, 1946; amended to application under act of 1946, Principal Register, Jan. 26, 1948, Serial No. 514,798. Published Dec. 26, 1950. Class 23.

539,797. Vinegar. Central City Pickle Co., Peoria, Ill.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Sept. 19, 1950, Serial No. 515,861. Published Dec. 12, 1950. Class 46.

539,798. Writing Paper. Montag Brothers, Inc., Atlanta, Ga.
Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947, Serial No. 519,683. Published Nov. 14, 1950. Class 37.

539,799. Machinery for Making and Repairing Shoes—Namely, Shoe Finishers, Stitchers, Etc. Landis Machine Company, St. Louis, Mo.
Original filed, act of 1905, May 19, 1947; amended to application under act of 1946, Principal Register, Nov. 14, 1947, Serial No. 522,639. Published Jan. 2, 1951. Class 23.

539,800. Cut-to-Size Sheets of Woven and Plastic Material and Combinations Thereof, Used as Patty Forming and Ejecting Elements in Hamburger Patty Molding Machines. Holly Molding Devices, Inc., Chicago, Ill.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Feb. 27, 1948, Serial No. 524,465. Published Dec. 12, 1950. Class 23.

539,801. Power Drag Scrapers. Sauerman Bros., Inc., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,156. Published Dec. 12, 1950. Class 23.

539,802. Steam Heating Apparatus Comprising Control Equipment, Valves, Strainers, Pumps, Etc. C. A. Dunham Company, Chicago, Ill.
Filed July 10, 1947, Serial No. 528,265. Published Dec. 12, 1950. Class 34.

539,803. Fabrics in the Piece, Consisting of Silk, Cotton, Wool, Nylon, Rayon, Glass, or Protein Fibres, or Mixtures Thereof. Wullschleger & Co., New York, N. Y.
Filed July 11, 1947, Serial No. 528,392. Published Dec. 12, 1950. Class 42.

539,804. Apple Butter; Barley for Soups and Other Food Preparations; Bean Sprouts; Candies; Etc. Roundy, Peckham & Dexter Co., Milwaukee, Wis.
Filed July 21, 1947, Serial No. 529,089. Published Mar. 15, 1949. Class 46.

539,805. Knives, and Special Shop Tools for Motorcycle Repairs and Tests, Etc. Harley-Davidson Motor Company, Milwaukee, Wis., now by change of name Harley-Davidson Motor Co., a corporation of Wisconsin.
Filed Aug. 12, 1947, Serial No. 531,115. Published Jan. 2, 1951. Class 23.

539,806. Knives, and Special Shop Tools for Motorcycle Repairs and Tests, Etc. Harley-Davidson Motor Company, Milwaukee, Wis., now by change of name Harley-Davidson Motor Co., a corporation of Wisconsin.
Filed Aug. 16, 1947, Serial No. 531,587. Published Jan. 2, 1951. Class 23.

539,807. Fresh Eggs. Armour and Company, doing business as Armour Creameries, Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 532,194. Published Jan. 2, 1951. Class 46.

539,808. Drill Pipe Protectors, Made Principally of Rubber. Bettis Rubber Company, Los Angeles, Calif.
Filed Aug. 23, 1947, Serial No. 532,203. Published Dec. 12, 1950. Class 35.

539,809. Fresh Deciduous Fruits. Harvey S. Mudd, Los Angeles, Calif.
Filed Aug. 23, 1947, Serial No. 532,248. Published Dec. 5, 1950. Class 46.

539,810. Mattresses. The Land-O-Nod Company, Minneapolis, Minn.
Filed July 16, 1947, Serial No. 533,452. Published Dec. 26, 1950. Class 32.

539,811. Airplanes. Consolidated Vultee Aircraft Corporation, San Diego, Calif., assignor to Piper Aircraft Corporation, Lock Haven, Pa., a corporation of Pennsylvania.
Filed Sept. 6, 1947, Serial No. 533,666. Published Dec. 26, 1950. Class 19.

539,812. Writing and Printing Paper. Chemical Paper Manufacturing Company, Holyoke, Mass.
Filed Sept. 10, 1947, Serial No. 533,995. Published Nov. 14, 1950. Class 37.

539,813. Heat Treating Compounds Used in the Heat Treatment of Metals. D. A. Stuart Oil Co., Limited, Chicago, Ill.
Filed Sept. 16, 1947, Serial No. 534,683. Published Sept. 27, 1949. Class 6.

539,814. Aluminum and the Like Cooking Utensils and Kitchen Ware; Etc. Aluminum Specialty Company, Manitowoc, Wis.
Filed Sept. 20, 1947, Serial No. 535,113. Published Jan. 2, 1951. Class 13.

539,815. Truck and Trailer Bodies Including Tank Bodies for Carrying Liquids. Gar Wood Industries, Inc., Wayne, Mich.
Filed Sept. 27, 1947, Serial No. 535,948. Published Dec. 12, 1950. Class 19.

539,816. Lubricating Greases and Lubricating Oils. E. F. Houghton & Co., Philadelphia, Pa.
Filed Oct. 1, 1947, Serial No. 536,396. Published Dec. 5, 1950. Class 15.

539,817. Oleomargarine, Noodles, Fruit Preserves, Fruit Jellies, Mint Jelly, Peanut Butter, Honey, Vegetable Shortening, Extracts for Flavoring Foods, Pure Coffee, Coffee and Chicory, and Tea. Wesson Oil & Snowdrift Co., Inc., New Orleans, La.
Filed Oct. 18, 1947, Serial No. 538,331. Published Oct. 3, 1950. Class 46.

539,818. Marine Engine Coolers or Heat Exchange Units Used in Water Cooling Systems of Internal Combustion Engines and Parts Thereof. John E. Weiks, doing business as Wix Cooler Company, Seattle, Wash.
Filed Oct. 20, 1947, Serial No. 538,479. Published Dec. 26, 1950. Class 34.

539,819. Men's Overcoats Made in Whole or a Substantial Part of Llama Hair. Hickey-Freeman Company, Rochester, N. Y.
Filed Oct. 24, 1947, Serial No. 538,920. Published Dec. 26, 1950. Class 39.

539,820. Men's Suits. Hickey-Freeman Company, Rochester, N. Y.
Filed Oct. 24, 1947, Serial No. 538,923. Published Dec. 26, 1950. Class 39.

539,821. Hosiery for Women. Grey Hosiery Mills, Bristol, Va.
Filed Oct. 25, 1947, Serial No. 539,050. Published Jan. 2, 1951. Class 39.

539,822. Pie Fillings, Doughnut and Pastry Fillings, Fondant for Icing, Etc. Frederick W. Huber, Inc., New York, N. Y.
Filed Oct. 25, 1947, Serial No. 539,057. Published Dec. 19, 1950. Class 46.

539,823. Fresh Citrus Fruits. The Irvine Citrus Association, Santa Ana, Calif.
Filed Nov. 7, 1947, Serial No. 540,419. Published Nov. 28, 1950. Class 46.

539,824. Cologne and Perfume. Alexis N. Romanoff, doing business as Prince Alexis, New York, N. Y.
Filed Nov. 7, 1947, Serial No. 540,455. Published Jan. 2, 1951. Class 51.

539,825. Salt. Mulkey Salt Company, Detroit, Mich., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois.
Filed Nov. 10, 1947, Serial No. 540,700. Published Jan. 2, 1951. Class 46.

539,826. Salt. Ruggles & Rademaker Salt Company, Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois.
Filed Nov. 10, 1947, Serial No. 540,718. Published Nov. 21, 1950. Class 46.

539,827. Lard and Cottonseed Oil for Salads and Cooking. Armour and Company, doing business as Morris & Company, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 540,962. Published Jan. 2, 1951. Class 46.

539,828. Coffee, Tea, Bread, Cakes, Pastry, Etc. Horn & Hardart Baking Company, Philadelphia, Pa.
Filed Nov. 20, 1947, Serial No. 541,841. Published Oct. 3, 1950. Class 46.

539,829. Wire-Screen Cloth. Reynolds Wire Co., Dixon, Ill., assignor to National-Standard Company, a corporation of Michigan.
Filed Aug. 14, 1947, Serial No. 542,223. Published Jan. 2, 1951. Class 13.

539,830. Textile Piece Goods Composed of Cotton Synthetic Fibers, and Mixtures Thereof. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Nov. 25, 1947, Serial No. 542,298. Published Dec. 12, 1950. Class 42.

539,831. Coffee, Coffee and Chicory, Tea, Tea Bags, Cocoa, Etc. James H. Forbes Tea and Coffee Company, St. Louis, Mo.
Filed Nov. 26, 1947, Serial No. 542,459. Published Nov. 14, 1950. Class 46.

539,832. Metallic Anodes for Electrolytically Preventing Corrosion of Iron or Steel Tanks and Water Heaters. Automatic Electric Heater Company, Pottstown, Pa., assignor to Sepco Corporation, a corporation of Pennsylvania.
Filed Nov. 28, 1947, Serial No. 542,510. Published Jan. 2, 1951. Class 21.

539,833. Biscuits—Namely, Cookies. Sunshine Biscuits, Inc., Long Island City, N. Y.
Filed Nov. 29, 1947, Serial No. 542,798. Published Oct. 3, 1950. Class 46.

539,834. Upper Leather. Armour and Company, Chicago, Ill.
Filed Dec. 3, 1947, Serial No. 543,076. Published Jan. 2, 1951. Class 1.

539,835. Sportswear—Namely, Coats, Jackets, and Outer Shirts. H & L Block, San Francisco, Calif.
Filed Dec. 5, 1947, Serial No. 543,414. Published Dec. 12, 1950. Class 39.

539,836. Furniture Polish, Furniture Cream Polish, Liquid Polishing Wax, Paste Polishing Wax, Quick Drying Floor Polish of the Wax Type. The Fuller Brush Company, Hartford, Conn.
Filed Dec. 5, 1947, Serial No. 543,434. Published Dec. 19, 1950. Class 4.

539,837. Floor Trucks and Parts Thereof—Namely, Bodies, Frames, Chassis, Axles, Casters, Wheels, Handles, Trailer Hitches, and Brake Mechanisms. Lewis-Shepard Products, Inc., Watertown, Mass.
Filed Dec. 8, 1947, Serial No. 543,724. Published Dec. 19, 1950. Class 19.

539,838. Knitted Wear of Cotton and Wool—Namely, Infants' and Children's Bathing Suits, Etc. Regal Knitwear Company, Inc., New York, N. Y.
Filed Dec. 9, 1947, Serial No. 543,836. Published Dec. 26, 1950. Class 39.

539,839. Chemical Additive to Lubricating Oil for Removing Carbon Deposits and Dissolving Gums in the Cylinders and Lubricating Systems of Internal Combustion Engines. The Shaler Company, Waupun, Wis.
Filed Dec. 9, 1947, Serial No. 543,843. Published Dec. 19, 1950. Class 15.

539,840. Textile Rugs and Runners. Amsterdam Textiles, Inc., Amsterdam, N. Y., assignee of Amsterdam Textiles.
Filed Dec. 12, 1947, Serial No. 544,138. Published Mar. 28, 1950. Class 42.

539,841. Scissors and Shears of General Household Utility. The Clayton Manufacturing Company, Bristol, Conn.
Filed Dec. 18, 1947, Serial No. 544,705. Published Dec. 26, 1950. Class 23.

539,842. Toilet Cream. The Cook Coffee Company, doing business as House of Caroline, Cleveland, Ohio.
Filed Dec. 19, 1947, Serial No. 544,852. Published Jan. 3, 1950. Class 51.

539,843. Children's Indian Suits, Children's Cowboy Suits, Children's Cowboy Vests, Etc. Keyston Bros., San Francisco, Calif.
Filed Dec. 19, 1947, Serial No. 544,875. Published Sept. 5, 1950. Class 39.

539,844. Ladies' Coats and Suits. Brand and Puritz, Kansas City, Mo.
Filed Dec. 23, 1947, Serial No. 545,227. Published Dec. 19, 1950. Class 39.

539,845. Men's Hose. Industrial Hosiery Mills, Inc., Mohnton, Pa.
Filed Dec. 31, 1947, Serial No. 545,853. Published Jan. 2, 1951. Class 39.

539,846. Coffee. Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn.
Filed Jan. 5, 1948, Serial No. 546,166. Published Dec. 5, 1950. Class 46.

539,847. Ignition Apparatus—Namely, Ignition Magnetos, Ignition Coils, Etc. Scintilla Limited, Soleure, Switzerland.
Filed Jan. 21, 1948, Serial No. 547,666. Published Oct. 17, 1950. Class 21.

539,848. Gas-Fired House Heaters Having Heat-Exchanging Tubes Across Which Air Is Passed Under Forced Flow. Norman Products Company, Columbus, Ohio.
Filed Jan. 22, 1948, Serial No. 547,757. Published Dec. 19, 1950. Class 34.

539,849. Cloth Towels. Chicago Towel Company, Chicago, Ill.
Filed Jan. 28, 1948, Serial No. 548,138. Published Dec. 12, 1950. Class 42.

539,850. Refectory Tables, Coffee Tables, Lamp Tables, Occasional Tables, Extension Tables; Living Room Chairs, Etc. Hampton Furniture Shops, New York, N. Y., assignor to Hampton Modern, Inc., Paterson, N. J., a corporation of New Jersey.
Filed Jan. 29, 1948, Serial No. 548,256. Published Dec. 12, 1950. Class 32.

539,851. Relays and Relaying Systems to Control Circuit Interrupters, Etc. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Feb. 5, 1948, Serial No. 548,892. Published Jan. 2, 1951. Class 21.

539,852. Fabric Lampshades for Electric Lamps. Slik-O-Lite Mfg. Corp., New York, N. Y.
Filed Mar. 8, 1948, Serial No. 551,482. Published Dec. 26, 1950. Class 21.

539,853. Machinery—Namely, Punching Machines and Parts Thereof, Cornering Machines and Parts Thereof, Etc. Southworth Machine Company, Portland, Maine.
Filed Mar. 11, 1948, Serial No. 551,745. Published Nov. 7, 1950. Class 23.

539,854. Electric Lighting Fixtures, Electrically Operated Heating Mechanism—Namely, Piston and Piston Pin Heating. Kent-Moore Organization, Inc., Detroit, Mich.
Filed Mar. 25, 1948, Serial No. 552,987. Published Jan. 31, 1950. Class 21.

539,855. House Trailers, Trailer Coaches, and Wheels, Axles, and Trailer Hitches, for Trailers. Glider Trailer Company, Chicago, Ill.
Filed Mar. 27, 1948, Serial No. 553,194. Published Nov. 21, 1950. Class 19.

539,856. Pocket Knives, Paring Knives, and Hunting Knives. Imperial Knife Company, Inc., Providence, R. I.
Filed Mar. 29, 1948, Serial No. 553,280. Published Dec. 5, 1950. Class 23.

539,857. Radio and Television Receiving Sets. Stromberg-Carlson Company, Rochester, N. Y.
Filed Mar. 30, 1948, Serial No. 553,424. Published Jan. 2, 1951. Class 21.

539,858. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business under the style name of The Model Flour Mills Co., Greeley, Colo.
Filed Apr. 10, 1948, Serial No. 554,299. CONCURRENT USE. Published Oct. 31, 1950. Class 46.

539,859. Apparatus for Extracting Moisture From Air for Dehumidification Purposes. The Schape Manufacturing Company, Baltimore, Md., now by change of name Dryomatic Corporation of America.
Filed Apr. 16, 1948, Serial No. 554,818. Published Dec. 26, 1950. Class 34.

539,860. Canned Fruits. Hemet Packing Company, Hemet, Calif.
Filed Apr. 19, 1948, Serial No. 554,976. Published Dec. 19, 1950. Class 46.

539,861. Lock Sets Particularly Door Locks, Cabinet Locks, and Building Locks for Entrance and Interior Doors. Schlage Lock Company, San Francisco, Calif.
Filed Apr. 21, 1948, Serial No. 555,201. Published Dec. 26, 1950. Class 25.

539,862. Electric Linear Motors Used in a Launching Device for Airplanes and Parts Thereof. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Apr. 22, 1948, Serial No. 555,330. Published Jan. 2, 1951. Class 21.

539,863. Fresh Citrus Fruits. Fallbrook Citrus Association, Fallbrook, Calif.
Filed Apr. 29, 1948, Serial No. 555,807. Published Nov. 14, 1950. Class 46.

539,864. Apparatus for Extracting Moisture From Air for Dehumidification Purposes. Brice G. Peters, Baltimore, Md., assignor to Dryomatic Corporation of America, Baltimore, Md.
Filed May 6, 1948, Serial No. 556,364. Published Dec. 19, 1950. Class 34.

539,865. Ground Raw Materials—Namely, Talc. Walter K. Skeoch, doing business as Tri-State Minerals Company, Ogden, Utah, and also doing business as Southern California Minerals Company, Los Angeles, Calif.
Filed May 8, 1948, Serial No. 556,607. Published Jan. 2, 1951. Class 1.

539,866. Cigars. Webb's City, Inc., St. Petersburg, Fla.
Filed May 19, 1948, Serial No. 557,405. Published Dec. 19, 1950. Class 17.

539,867. Hosiery for Women. Grey Hosiery Mills, Bristol, Va.
Filed May 29, 1948, Serial No. 558,138. Published Jan. 2, 1951. Class 39.

539,868. Cleansing Tissues. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed May 29, 1948, Serial No. 558,147. Published Nov. 28, 1950. Class 37.

539,869. Assemblies for Electric Power Transmission, Etc. Feedrail Corporation, New York, N. Y.
Filed June 7, 1948, Serial No. 558,643. Published Dec. 26, 1950. Class 21.

539,870. Leather and Wool Pelts. A. C. Lawrence Leather Company, Peabody, Mass.
Filed June 16, 1948, Serial No. 559,305. Published Jan. 2, 1951. Class 1.

539,871. Preparation for Removing Dandruff, Hair Oil, Hair Tonics, Liquid Shampoos, and Cream Shampoos. Victor Brog, doing business under the trade names of Rene St. Claire Products Co. and The Gintone Laboratories, Memphis, Tenn.
Filed June 11, 1948, Serial No. 559,804. Published Dec. 26, 1950. Class 51.

539,872. Dried Onions. Sunspiced Vegetables, Inc., Vacaville, Calif.
Filed June 28, 1948, Serial No. 560,364. Published Dec. 19, 1950. Class 46.

539,873. Dehumidifying Units for Removing Moisture From Air. Carrier Corporation, Syracuse, N. Y.
Filed July 2, 1948, Serial No. 560,603. Published Dec. 19, 1950. Class 34.

539,874. Vitreous China Plumbing Fixtures—Namely, Commodes and Lavatories. Alamo Pottery, Inc., San Antonio, Tex.
Filed July 7, 1948, Serial No. 560,837. Published Jan. 2, 1951. Class 13.

539,875. Blankets Made Wholly of Cotton, of Cotton and Rayon, Etc. Beacon Manufacturing Company, Swannanoa, N. C.
Filed July 21, 1948, Serial No. 561,798. Published Dec. 12, 1950. Class 42.

539,876. Meat Tendering and Slicing Machines, and Parts Thereof and Therefor. U. S. Slicing Machine Company, Inc., La Porte, Ind.
Filed July 23, 1948, Serial No. 562,105. Published Dec. 12, 1950. Class 23.

539,877. Uncured, Vulcanizable Rubber Compositions Useful in the Repair of Rubber Goods. Lee Rubber and Tire Corporation, Conshohocken, Pa.
Filed July 30, 1948, Serial No. 562,561. Published Jan. 2, 1951. Class 1.

539,878. Continuous and Automatic Deep Fat Food Fryers and Pretzel Cookers, and Attachments Therefor. Macbeth Engineering Corporation, Harrisburg, Pa.
Filed Aug. 5, 1948, Serial No. 562,865. Published Dec. 26, 1950. Class 34.

539,879. Tie Racks. Charles L. King, New York, N. Y.
Filed Aug. 6, 1948, Serial No. 562,938. Published Dec. 19, 1950. Class 32.

539,880. Piston Rings. Hastings Manufacturing Company, Hastings, Mich.
Filed Aug. 16, 1948, Serial No. 563,477. Published Dec. 12, 1950. Class 35.

539,881. Canned Soups. Eleanor Wynne, doing business under the assumed name of Ellen Grey, New York, N. Y.
Filed Aug. 17, 1948, Serial No. 563,648. Published Dec. 19, 1950. Class 46.

539,882. Key Cutting Machines. Independent Lock Company, Fitchburg, Mass.
Filed Aug. 25, 1948, Serial No. 564,127. Published Jan. 2, 1951. Class 23.

539,883. Mechanical Computors in the Form of a Rotative Slide Chart for Use in the Solution of Navigational Problems. Compass Point Aviation, Inc., Greenwood, Mass.
Filed Sept. 1, 1948, Serial No. 564,503. Published Sept. 12, 1950. Class 26.

539,884. Bottle Chain Lubrication Soap. Fischer Industries, Inc., Cincinnati, Ohio.
Filed Sept. 16, 1948, Serial No. 565,255. Published Jan. 2, 1951. Class 15.

539,885. Marshmallow Topping and Fudge Topping for Food and Food Beverages; Crushed Fruits; and Chocolate Coatings for Dipping Candies, Fruits, and Ice Cream. Chillo Products Co., San Francisco, Calif.
Filed Sept. 21, 1948, Serial No. 565,541. Published Oct. 3, 1950. Class 46.

539,886. Mailing Envelopes. Tension Envelope Corporation, Kansas City, Mo.
Filed Sept. 30, 1948, Serial No. 566,194. Published Sept. 5, 1950. Class 37.

539,887. Gas Stoves of the Open Burner Type. Hirsh Manufacturing Co., Garland, Tex.
Filed Oct. 1, 1948, Serial No. 566,230. Published Oct. 31, 1950. Class 34.

539,888. Aircraft Refueling Trucks. Columbian Steel Tank Company, Kansas City, Mo.
Filed Oct. 6, 1948, Serial No. 566,502. Published Dec. 12, 1950. Class 19.

539,889. Hair Tonic Scalp Preparation. Skin Tested Drug Products, Inc., New York, N. Y.
Filed Oct. 28, 1948, Serial No. 567,805. Published Jan. 2, 1951. Class 51.

539,890. The Following Accessories and Parts for Automotive Vehicles: Brake Lever Extensions, Etc. Joma Mfg. Co., Inc., New York, N. Y.
Filed Nov. 1, 1948, Serial No. 567,979. Published Dec. 19, 1950. Class 19.

539,891. Machine Tools and Parts Thereof—Namely, Machine Knives, Twist Drills, Milling and Other Machinery Cutters. Jonas & Colver (Novo) Limited, Sheffield, England.
Filed Nov. 4, 1948, Serial No. 568,195. Published Dec. 5, 1950. Class 23.

539,892. Raw Tobacco, Smoking and Chewing Tobacco, Snuff, Cigars, and Cigarettes. Alfred Dunhill Limited, London, England.
Filed Nov. 8, 1948, Serial No. 568,357. Published Dec. 19, 1950. Class 17.

539,893. House Organ. American Chemical Paint Company, Ambler, Pa.
Filed Nov. 13, 1948, Serial No. 568,703. Published Nov. 14, 1950. Class 38.

539,894. Wheel Covers. Lyon, Incorporated, Detroit, Mich.
Filed Nov. 20, 1948, Serial No. 569,164. Published Dec. 26, 1950. Class 19.

539,895. Mattresses and Box Springs. Sealy, Incorporated, Chicago, Ill.
Filed Dec. 7, 1948, Serial No. 570,125. Published May 16, 1950. Class 32.

539,896. Combined Air Conditioning and Heating or Cooling Units, Etc. B. Altman & Co., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,173. Published Dec. 5, 1950. Class 34.

539,897. Canned Vegetables, Fruits and Fish. Antoine H. Forat, doing business as S. A. F. I. E. X., New York, N. Y.
Filed Dec. 11, 1948, Serial No. 570,362. Published Nov. 21, 1950. Class 46.

539,898. Ashtrays. Edward San Giovanni, New York, N. Y.
Filed Feb. 15, 1949, Serial No. 573,900. Published Dec. 12, 1950. Class 8.

539,899. Solder. Kester Solder Company, Chicago, Ill.
Filed Mar. 3, 1949, Serial No. 574,842. Published Dec. 5, 1950. Class 14.

539,900. Beer Clarifier Consisting Primarily of a Purified Gelatine. A. Gusmer, Inc., Hoboken, N. J.
Filed Mar. 5, 1949, Serial No. 574,965. Published Jan. 2, 1951. Class 6.

539,901. Textile Fabric Which Has Been Treated for Shrinkage and Which Is Made of Cotton and Synthetic Fibers. Norwich Knitting Company, Norwich, N. Y.
Filed Apr. 20, 1949, Serial No. 577,444. Published Dec. 26, 1950. Class 42.

539,902. Electrically Operated Control Including a Switch for Making and Breaking Contacts in Sequence for Automatically Operating an Ash Conveyor or the Like. United Conveyor Corporation, Chicago, Ill.
Filed Apr. 27, 1949, Serial No. 577,826. Published Dec. 26, 1950. Class 21.

539,903. Hand Thermoplastic Rubber-Resin Sheet Material for Forming, Fabricating, and Molding Articles. United States Rubber Company, New York, N. Y.
Filed Apr. 27, 1949, Serial No. 577,827. Published Jan. 2, 1951. Class 1.

539,904. Shoes, Boots, and Sandals of Every Kind From Rubber, Leather, Textiles, Artificial Materials and From Any Combinations of the Above Mentioned Materials. Semperit Osterreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria.
Filed Feb. 8, 1949, Serial No. 573,506. Published Oct. 10, 1950. Class 39.

539,905. Ladies', Misses', Juniors', Children's and Infants' Sweaters, and Infants' and Children's Knitted Pantie Suits. Spur Knitting Mills Inc., New York, N. Y.
Filed Feb. 9, 1949, Serial No. 573,576. Published May 30, 1950. Class 39.

539,906. Structurally Reinforced Ferrous and Non-Ferrous Metal Sheets and Laminated Ferrous and Non-Ferrous Metal Sheets. Rigidized Metals Corporation, Buffalo, N. Y.
Filed Feb. 12, 1949, Serial No. 573,790. Published Dec. 5, 1950. Class 14.

539,907. Milled Rice. Walton Rice Mill, Inc., Stuttgart, Ark.
Filed Feb. 25, 1949, Serial No. 574,556. Published Oct. 3, 1950. Class 46.

539,908. Trailer Venetian Blinds. The Custom Shade Shop, Arlington, Va.
Filed Feb. 28, 1949, Serial No. 574,612. Published Nov. 21, 1950. Class 19.

539,909. Candlesticks, Candelabras, and Candle Snuffers. William Adams Limited, Birmingham, England.
Filed Mar. 5, 1949, Serial No. 575,107. Published Dec. 26, 1950. Class 34.

539,910. Ladies' Hats and Apparel—Namely, Coats, Suits, and Dresses. Ogus, Rabinovich & Ogus, Inc., New York, N. Y.
Filed Mar. 23, 1949, Serial No. 575,923. Published Dec. 12, 1950. Class 39.

539,911. Medicinal Preparations, Etc. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Mar. 28, 1949, Serial No. 576,239. Published Jan. 2, 1951. Class 18.

539,912. Procaine Penicillin in Oil. Schenley Laboratories, Inc., New York, N. Y., assignor to Bristol Laboratories, Inc., New York, N. Y., a corporation of New York.
Filed Apr. 1, 1949, Serial No. 576,475. Published May 2, 1950. Class 18.

539,913. Casein. American Cyanamid Company, New York, N. Y.
Filed Apr. 13, 1949, Serial No. 577,024. Published Jan. 2, 1951. Class 1.

539,914. Powdered Whole Milk, Powdered Ice Cream Mix, and Whole Milk Powder. Maple Island Farm, Inc., Stillwater, Minn., now by change of name Maple Island, Inc., a corporation of Minnesota.
Filed Apr. 19, 1949, Serial No. 577,397. Published Oct. 24, 1950. Class 46.

539,915. Optical Lenses, Spectacles, Eye Glasses, Lorgnettes, Slip-Overs Consisting of Supplemental Lenses to Fit Over Eye-Glasses, Opera Glasses, Marine Glasses, Field Glasses, Optical Frames. Televisor Corp., New York, N. Y., assignor to Charles W. Zwirn, doing business as Televisor Company, New York, N. Y.
Filed Dec. 15, 1948, Serial No. 570,592. Published Oct. 3, 1950. Class 26.

539,916. Women's and Children's Clothing—Namely, Jackets, Coats, Sweaters, Blouses, Dresses, Skirts, Suits, Playsuits, Shorts, and Slacks. Berker Sportcraft Limited, London, England.
Filed Dec. 18, 1948, Serial No. 570,763. Published Dec. 26, 1950. Class 39.

539,917. Combined Folding Table and Housing Therefor. Kansas City Products Company, Kansas City, Mo.
Filed Jan. 17, 1949, Serial No. 572,307. Published Nov. 28, 1950. Class 32.

539,918. Automobile Tires of Rubber or Combinations of Rubber and Fabric. The S and M Company, Minneapolis, Minn.
Filed Jan. 19, 1949, Serial No. 572,454. Published Nov. 28, 1950. Class 35.

539,919. Disinfectant, for Sanitization in Restaurants and Dairies and General Disinfection in the Home, Sick Room and Farm. Thompson-Hayward Chemical Company, Kansas City, Mo.
Filed Jan. 21, 1949, Serial No. 572,536. Published Jan. 2, 1951. Class 6.

539,920. Linen, Cotton, and Other Fabric Endless Belts Suitable for Forming, Elevating, and Conveying Purposes. Endless Belt Corporation, Pisgah Forest, N. C.
Filed Dec. 24, 1948, Serial No. 572,618. Published Dec. 12, 1950. Class 35.

539,921. Resilient Wear Inserts Employed in Foundry Mold Apparatus Such as Core Boxes, Flasks, and the Like. Eastern Clay Products, Inc., Jackson, Ohio.
Filed Jan. 28, 1949, Serial No. 572,954. Published Dec. 12, 1950. Class 23.

539,922. Canned Mackerel. South Pacific Canning Company, Long Beach, Calif.
Filed Jan. 31, 1949, Serial No. 573,102. Published Dec. 19, 1950. Class 46.

539,923. Chairs, Tables, and Settees. Herbert Ritts, Inc., doing business under the fictitious firm name of Ritts Co., Los Angeles, Calif.
Filed Feb. 1, 1949, Serial No. 573,142. Published Dec. 19, 1950. Class 32.

539,924. Chairs, Tables, and Settees. Herbert Ritts, Inc., doing business as Tropicmode Furniture Co., Los Angeles, Calif.
Filed Feb. 1, 1949, Serial No. 573,143. Published Dec. 12, 1950. Class 32.

539,925. Chairs, Tables, and Settees. Herbert Ritts, Inc., doing business as Ritts Co., Los Angeles, Calif.
Filed Feb. 1, 1949, Serial No. 573,144. Published Dec. 19, 1950. Class 32.

539,926. Laundry Compound. Cal Products Company, Los Angeles, Calif.
Filed Feb. 5, 1949, Serial No. 573,352. Published Jan. 2, 1951. Class 6.

539,927. Baby Chicks. Earl W. Garrison, Bridgeton, N. J.
Filed Apr. 28, 1949, Serial No. 577,880. Published Jan. 2, 1951. Class 1.

539,928. White Metals, Zinc-Base Alloys, Anti-Friction Metal, Babbitt, Solder, and Type Metal, in Bars, Ingots, Pigs, Rods, and Sticks. American Smelting and Refining Company, Jersey City, N. J., and New York, N. Y.
Filed Apr. 29, 1949, Serial No. 577,926. Published Dec. 5, 1950. Class 14.

539,929. Drawn and Cold Rolled Metal Tubular Structural Members and Tube Blanks. See Fabriks Aktieboiag, Sandviken, Sweden.
Filed Apr. 29, 1949, Serial No. 577,993. Published Nov. 7, 1950. Class 14.

539,930. Curtains—Namely, Shower Curtains, Window Curtains, Curtains for Doorways, Fabric Bath Mats, and Furniture Scarfs. Arkwright Merchandising Corporation, New York, N. Y.
Filed May 10, 1949, Serial No. 578,478. Published Dec. 19, 1950. Class 42.

539,931. Packing in Plastic Form, Containing a Substantial Portion of Metallic Material, for Moving Parts Such as Shafts, Piston Rods, and the Like. Durametallic Corporation, Kalamazoo, Mich.
Filed May 11, 1949, Serial No. 578,576. Published Dec. 12, 1950. Class 35.

539,932. Smoking Tobacco, Cigars and Cigarettes. Handelsvennootschap onder de firma Smit & ten Hove, Kampen, Netherlands.
Filed May 12, 1949, Serial No. 578,689. Published Dec. 5, 1950. Class 17.

539,933. Lubricating Oils. Canfield Oil Company, Cleveland, Ohio.
Filed May 13, 1949, Serial No. 578,764. Published Dec. 19, 1950. Class 15.

539,934. Various Component Parts of Electrical, Electronic and Radio Apparatus and Devices, Etc. Cinch Manufacturing Corporation, Chicago, Ill.
Filed May 13, 1949, Serial No. 578,768. Published Dec. 5, 1950. Class 21.

539,935. Various Component Parts of Electrical, Electronic and Radio Apparatus and Devices—Namely, Sockets and Shields for Vacuum Tubes, Etc. Cinch Manufacturing Corporation, Chicago, Ill.
Filed May 13, 1949, Serial No. 578,769. Published Dec. 5, 1950. Class 21.

539,936. Sheet Packing and Gasket Material Comprising a Paper Base Material Impregnated or Saturated With Rubber and Sheet Gaskets Cut From Such Sheet Material. Wolverine Fabricating & Mfg. Co., Inc., Inkster, Mich.
Filed May 20, 1949, Serial No. 579,246. Published Dec. 12, 1950. Class 35.

539,937. Cellulose-Based Powder for Use in Strengthening Fabrics. Transmares Products Co., Inc., New York, N. Y.
Filed May 26, 1949, Serial No. 579,573. Published Jan. 2, 1951. Class 6.

539,938. Outboard Motor Boats. Molded Products, Inc., Cockeysville, Md.
Filed May 20, 1949, Serial No. 579,645. Published Dec. 12, 1950. Class 19.

539,939. Metals—Namely, Manganese Alloys. Stulz-Sickles Company, Newark, N. J.
Filed June 1, 1949, Serial No. 579,845. Published Dec. 5, 1950. Class 14.

539,940. Hose Made of Rubber and Fabric. United States Rubber Company, New York, N. Y.
Filed June 3, 1949, Serial No. 579,953. Published Dec. 12, 1950. Class 35.

539,941. Oil Burners. Eureka Williams Corporation, Bloomington, Ill.
Filed June 3, 1949, Serial No. 579,958. Published Dec. 26, 1950. Class 34.

539,942. Photographic Motion Picture Cameras. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed June 4, 1949, Serial No. 579,972. Published June 13, 1950. Class 26.

539,943. Mattresses. Nod-A-Way, Inc., San Antonio, Tex.
Filed June 4, 1949, Serial No. 579,992. Published Dec. 26, 1950. Class 32.

539,944. Manually Operable Apparatus Designed To Sharpen Such Articles as Scissors and the Like. Conley A. Lewis, doing business as Conley Lewis Company, Terra Alta, W. Va.
Filed June 6, 1949, Serial No. 580,018. Published Dec. 19, 1950. Class 23.

539,945. Vacuum Cleaners—Electric Type—for Domestic Use. Electair Company, Kokomo, Ind., assignor to Electair, Inc., Kokomo, Ind.
Filed June 9, 1949, Serial No. 580,186. Published Aug. 1, 1950. Class 21.

539,946. Conductor Jacks. Carter Parts Company, Chicago, Ill.
Filed June 11, 1949, Serial No. 580,286. Published Dec. 26, 1950. Class 21.

539,947. Ladies' and Misses' Dresses, Suits and Coats. Penny Mason, Inc., New York, N. Y.
Filed June 15, 1949, Serial No. 580,493. Published Jan. 2, 1951. Class 39.

539,948. Shoe Soles. The Cambridge Rubber Company, Taneytown, Md.
Filed June 16, 1949, Serial No. 580,574. Published Dec. 26, 1950. Class 39.

539,949. Nickel-Chromium Alloy Welding Wire. The International Nickel Company, Inc., New York, N. Y.
Filed June 16, 1949, Serial No. 580,600. Published Dec. 5, 1950. Class 14.

539,950. Herbicides. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed June 16, 1949, Serial No. 580,617. Published Jan. 2, 1951. Class 6.

539,951. Independent Wheel Suspensions for Automotive Vehicles. Ford Motor Company, Dearborn, Mich.
Filed June 21, 1949, Serial No. 580,835. Published Dec. 19, 1950. Class 19.

539,952. Orthopedic Appliances—Namely, Belts, Supports, Braces, Crutches, Splints, Trusses, Pin and Nail, and Reduction Devices. Newton J. Hall, doing business as Hall Surgical Appliance Co., Los Angeles, Calif.
Filed June 21, 1949, Serial No. 580,838. Published Jan. 2, 1951. Class 44.

539,953. Aluminum Foil Sheets. Universal Utility Co., Gloversville, N. Y.
Filed June 25, 1949, Serial No. 581,104. Published Dec. 12, 1950. Class 14.

539,954. Window Curtains Composed of Marquisette Fabric and of Voile Fabric. Cameo Curtains Inc., New York, N. Y.
Filed June 28, 1949, Serial No. 581,172. Published Dec. 12, 1950. Class 42.

539,955. Articles of Wearing Apparel—Namely, Women's and Children's Suits, Costumes Consisting of Jackets and Skirts, Etc. C. & A. Brenninkmeyer, Inc., Brooklyn, N. Y.
Filed June 29, 1949, Serial No. 581,244. Published Dec. 26, 1950. Class 39.

539,956. Articles of Wearing Apparel—Namely, Women's and Children's Suits, Etc. C. & A. Brenninkmeyer, Inc., Brooklyn, N. Y.
Filed June 29, 1949, Serial No. 581,245. Published Dec. 26, 1950. Class 39.

539,957. Electric Lighting Fixtures. Wilmot Castle Company, Rochester, N. Y.
Filed June 29, 1949, Serial No. 581,306. Published Jan. 2, 1951. Class 21.

539,958. Rear View Mirrors. Motomatic Products Company, Cleveland, Ohio.
Filed June 30, 1949, Serial No. 581,342. Published Nov. 14, 1950. Class 19.

539,959. Mixture of Penicillin Salts for Aqueous Injection Purposes. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed June 30, 1949, Serial No. 581,351. Published Oct. 25, 1949. Class 18.

539,960. Tractor Tires. Sears, Roebuck and Co., Chicago, Ill.
Filed June 30, 1949, Serial No. 581,361. Published Dec. 12, 1950. Class 35.

539,961. Insulated Electrical Wires and Cables. General Cable Corporation, New York, N. Y.
Filed July 12, 1949, Serial No. 581,807. Published Jan. 2, 1951. Class 21.

539,962. Railway Vehicle Equipment—Namely, Brake Beams and Parts Thereof, Etc. Chicago Railway Equipment Company, Chicago, Ill.
Filed July 13, 1949, Serial No. 581,867. Published Jan. 2, 1951. Class 19.

539,963. Misses', Girls', Boys', Men's, Women's, and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric. The A. S. Kreider & Son Co., Palmyra, Pa.
Filed July 22, 1949, Serial No. 582,358. Published Dec. 26, 1950. Class 39.

539,964. Electric Insulated Wire. Chester Cable Corp., Chester, N. Y.
Filed July 23, 1949, Serial No. 582,414. Published Dec. 26, 1950. Class 21.

539,965. Textile Rugs and Carpets. Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa.
Filed July 28, 1949, Serial No. 582,645. Published Dec. 26, 1950. Class 42.

539,966. Digesters for Lignocellulosic Material. Paper and Industrial Appliances, Inc., New York, N. Y.
Filed Aug. 2, 1949, Serial No. 582,852. Published Dec. 26, 1950. Class 23.

539,967. Belting. J. E. Rhoads & Sons, Philadelphia, Pa.
Filed Aug. 5, 1949, Serial No. 583,050. Published Dec. 12, 1950. Class 35.

539,968. Baked Cookies. Sally Ann Cookies, Fox River Grove, Ill.
Filed Aug. 5, 1949, Serial No. 583,053. Published Dec. 19, 1950. Class 46.

539,969. Electric Units for Generating Negative Ions for Alleviating Respiratory Ailments, and Including a Platinum Heating Filament and a Polonium Plate, All Enclosed in a Tube-Like Housing. Ionics, Inc., San Francisco, Calif.
Filed Aug. 6, 1949, Serial No. 583,089. Published Jan. 2, 1951. Class 21.

539,970. Electrical Apparatus for Generating Negative Ions in the Air for Alleviation of Respiratory Ailments, and Including One or More Generating Units and a Casing Enclosing Said Units. Ionics, Inc., San Francisco, Calif.
Filed Aug. 6, 1949, Serial No. 583,090. Published Jan. 2, 1951. Class 21.

539,971. Paste Preparation for the Control of Ants. Zenith Industrial Research Co., Long Beach, Calif.
Filed Aug. 9, 1949, Serial No. 583,225. Published Jan. 2, 1951. Class 6.

539,972. Piston Rings. Cords Piston Ring Manufacturing Co. Inc., Los Angeles, Calif.
Filed Aug. 15, 1949, Serial No. 583,466. Published Dec. 12, 1950. Class 35.

539,973. Sulfated Fatty Oils, Sulfated Fatty Acids, Etc. Nopco Chemical Company, Harrison, N. J.
Filed Aug. 15, 1949, Serial No. 583,490. Published Dec. 26, 1950. Class 6.

539,974. Textile Water-Proofing Agents. George H. Parkwah, doing business as Parkwah Chemical Co., Seattle, Wash.
Filed Aug. 15, 1949, Serial No. 583,492. Published Dec. 26, 1950. Class 6.

539,975. Pharmaceutical Preparation Comprising a Sterile Aqueous Solution of 17 Desoxy 11 Dehydro Corticosterone for Intramuscular Use in the Treatment of Rheumatic Disorders. Nutrition Research Laboratories, Chicago, Ill., assignor to Nutrition Research Laboratories, Inc., a corporation of Illinois.
Filed Aug. 19, 1949, Serial No. 583,705. Published Jan. 2, 1951. Class 18.

539,976. Hose Made of Rubber or Fabric, or a Combination Thereof. Wabash Manufacturing Company, Chicago, Ill.
Filed Aug. 19, 1949, Serial No. 583,721. Published Dec. 19, 1950. Class 35.

539,977. Piece Goods of Cotton, Mohair, Wool, Synthetic Fibers, and Combinations Thereof Sold in Bolt, Goodall-Sanford, Inc., Sanford, Maine.
Filed Aug. 20, 1949, Serial No. 583,754. Published Dec. 26, 1950. Class 42.

539,978. Watches. Rubin & Company, New York, N. Y.
Filed Aug. 25, 1949, Serial No. 584,017. Published Jan. 2, 1951. Class 27.

539,979. Fresh Deciduous Fruits. Western Fruit & Produce Co., Inc., Yakima, Wash.
Filed Aug. 27, 1949, Serial No. 584,178. Published Nov. 14, 1950. Class 46.

539,980. Ointment Used in the Treatment of Itches of All Kind. J. T. Navarette, doing business as International Drug Store, Sacramento, Calif.
Filed Aug. 29, 1949, Serial No. 584,202. Published Nov. 28, 1950. Class 18.

539,981. Liquefied Petroleum Fuel Gas. Farmers' Butane-Propane Service, Modesto, Calif.
Filed Aug. 30, 1949, Serial No. 584,227. Published Dec. 26, 1950. Class 6.

539,982. Liquid Deodorant for Household and Industrial Use. Hysan Products Company, Chicago, Ill.
Filed Aug. 30, 1949, Serial No. 584,231. Published Dec. 26, 1950. Class 6.

539,983. Combed and Topped Artificial Protein Fibre in Convenient Form for Use in Wrapping Around Hair Ends for Protection During Permanent Waving. Virginia-Carolina Chemical Corporation, Richmond, Va.
Filed Aug. 31, 1949, Serial No. 584,303. Published Jan. 2, 1951. Class 44.

539,984. Metal Chimney Tops. Wigwam Flue Top Company, Abington, Mass.
Filed Aug. 31, 1949, Serial No. 584,306. Published Dec. 19, 1950. Class 34.

539,985. Insecticides, Particularly Grain Fumigants. Research Products Company, Kansas City, Mo.
Filed Sept. 3, 1949, Serial No. 584,466. Published Dec. 26, 1950. Class 6.

539,986. Oat Meal, Corn Meal, and Wheat Flour, All for Human Consumption. The Quaker Oats Company, Chicago, Ill.
Filed Sept. 6, 1949, Serial No. 584,509. Published Oct. 24, 1950. Class 46.

539,987. Textile Chemical Specialty for the Treatment of Textiles to Produce Softness and Stain Resistance. Zimmerman Associates, Guilford College, N. C.
Filed Sept. 7, 1949, Serial No. 584,562. Published Dec. 26, 1950. Class 6.

539,988. Metal Foil. M. Swift & Sons, Inc., Hartford, Conn.
Filed Sept. 8, 1949, Serial No. 584,598. Published Dec. 5, 1950. Class 14.

539,989. Key Chains. Aristocrat Leather Products, Inc., New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,602. Published Sept. 5, 1950. Class 13.

539,990. Cuff Links, Shirt Studs, and Necktie Holders Made in Whole or in Part of or Plated With Precious Metal. Aristocrat Leather Products, Inc., New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,603. Published Sept. 5, 1950. Class 28.

539,991. Moth-Proofing Compound. The Davison Chemical Corporation, Baltimore, Md.
Filed Sept. 12, 1949, Serial No. 584,714. Published Dec. 26, 1950. Class 6.

539,992. Ladies', Misses', and Children's Dresses Made of Silk, Artificial Silk, Cotton, or Mixtures of These Fabrics. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Sept. 12, 1949, Serial No. 584,721. Published Jan. 2, 1951. Class 39.

539,993. Medicinal Preparation for Use in the Treatment of Anemias. Winthrop-Stearns Inc., New York, N. Y.
Filed Sept. 13, 1949, Serial No. 584,784. Published Dec. 19, 1950. Class 18.

539,994. Boys' Shoes. Sommer & Kaufmann, San Francisco, Calif.
Filed Sept. 19, 1949, Serial No. 585,032. Published Dec. 26, 1950. Class 39.

539,995. Wrenches. Louis H. Diamond, Colorado Springs, Colo.
Original filed, act of 1946, Principal Register, Sept. 21, 1949; amended to application, Supplemental Register, June 12, 1950; amended to application, Principal Register, Oct. 12, 1950, Serial No. 585,106. Published Dec. 12, 1950. Class 23.

539,996. Glue. Swift & Company, Chicago, Ill.
Filed Sept. 21, 1949, Serial No. 585,146. Published Dec. 5, 1950. Class 5.

539,997. Orthopedic Insoles, Arch Supports, and Corn and Bunion Pads. E-Z Walk Corporation, New York, N. Y.
Filed Sept. 23, 1949, Serial No. 585,221. Published Jan. 2, 1951. Class 44.

539,998. Sodium Sesquicarbonate When Used as an Agent for Purifying Metal Products. Food Machinery and Chemical Corporation, New York, N. Y.
Filed Sept. 24, 1949, Serial No. 585,275. Published Jan. 2, 1951. Class 6.

539,999. Children's Play Pens. New England Playpen Company, Glastonbury, Conn.
Filed Sept. 26, 1949, Serial No. 585,345. Published Dec. 19, 1950. Class 32.

540,000. Photographic Processing Chemicals—Namely, Color Developer, Stop Bath, Hardener and Fixer, and Bleach, and a Photographic Processing Kit Consisting of the Above-Named Chemicals. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Oct. 1, 1949, Serial No. 585,639. Published Jan. 2, 1951. Class 6.

540,001. Metallic Soap Compositions for Addition to Mineral Oils To Produce Lubricants and Lubricating Greases. Metasap Chemical Company, Harrison, N. J.
Filed Oct. 1, 1949, Serial No. 585,657. Published Dec. 5, 1950. Class 15.

540,002. Flower Seeds. A. S. Siter & Son, Morton, Pa.
Filed Oct. 6, 1949, Serial No. 585,867. Published Jan. 2, 1951. Class 1.

540,003. Suspenders and Garters. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Oct. 7, 1949, Serial No. 585,937. Published Dec. 12, 1950. Class 39.

540,004. Fireplace Screens. Logan Co., Louisville, Ky.
Filed Oct. 7, 1949, Serial No. 585,947. Published Dec. 19, 1950. Class 34.

540,005. Truck Tank and Trailer Tank Vehicles. Butler Manufacturing Company, Kansas City, Mo.
Filed Oct. 15, 1949, Serial No. 586,341. Published Nov. 14, 1950. Class 19.

540,006. Thermic Raw Zinc. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium.
Filed Oct. 21, 1949, Serial No. 586,657. Published Nov. 14, 1950. Class 14.

540,007. Lead. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium.
Filed Oct. 21, 1949, Serial No. 586,658. Published Nov. 14, 1950. Class 14.

540,008. Electrolytic Raw Zinc. Société Anonyme des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, par Chenee, Belgium.
Filed Oct. 21, 1949, Serial No. 586,659. Published Nov. 14, 1950. Class 14.

540,009. Laundry Presses. The Unipress Company, Incorporated, Minneapolis, Minn., assignor to The Unipress Corporation, Minneapolis, Minn., a corporation of Minnesota.
Filed Oct. 21, 1949, Serial No. 586,669. Published Jan. 2, 1951. Class 24.

540,010. Women's Bungalow Aprons, Dresses, Petticoats, Band Aprons, Nightgowns, Bloomers, and Hoovertettes, Pinafore Aprons, Smocks, and Industrial Plant Workers', Maids', Waitresses', and Store Clerks' Uniforms. The Duquesne Manufacturing Company, New Kensington, Pa.
Filed Oct. 25, 1949, Serial No. 586,795. Published Dec. 26, 1950. Class 39.

540,011. Women's Bungalow Aprons, Dresses, Petticoats, Band Aprons, Nightgowns, Bloomers, and Hoovertettes, Pinafore Aprons, Smocks, Industrial Plant Workers', Maids', Waitresses', and Store Clerks' Uniforms. The Duquesne Manufacturing Company, New Kensington, Pa.
Filed Oct. 25, 1949, Serial No. 586,796. Published Dec. 26, 1950. Class 39.

540,012. Men's Suits, Topcoats, Overcoats, Slacks, Sport Coats, and Jackets. Wm. P. Goldman & Bros., Inc., New York, N. Y.
Filed Oct. 27, 1949, Serial No. 586,919. Published Dec. 12, 1950. Class 39.

540,013. Valve Lubricating Greases. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Oct. 31, 1949, Serial No. 587,088. Published Dec. 12, 1950. Class 15.

540,014. Stockings and Socks (for Wear). Corgi Hosiery Limited, Ammanford, Carmarthenshire, South Wales.
Filed Nov. 2, 1949, Serial No. 587,179. Published Dec. 26, 1950. Class 39.

540,015. Condiment in the Form of a Sauce Consisting Principally of Vegetable Salad Oil and Vinegar Used Especially for Salads, Seafoods, Sandwiches, and Meats. Kraft Foods Company, Chicago, Ill.
Filed Nov. 2, 1949, Serial No. 587,195. Published Dec. 5, 1950. Class 46.

540,016. Fresh Vegetables and Melons. L. T. Malone, doing business as L. T. Malone Co., Phoenix, Ariz.
Filed Nov. 4, 1949, Serial No. 587,339. Published Dec. 19, 1950. Class 46.

540,017. Mattresses and Box Springs. A. J. Logan Company, Pittsburgh, Pa.
Filed Nov. 9, 1949, Serial No. 587,556. Published Sept. 5, 1950. Class 32.

540,018. Gloves Made of Leather and/or Fabric. Glovecraft, Inc., Johnstown, N. Y.
Filed Nov. 14, 1949, Serial No. 587,724. Published Dec. 26, 1950. Class 39.

540,019. Seed Wheat, Seed Oats and Seed Soybeans. Mitchell Farms, Windfall, Ind.
Filed Oct. 1, 1949, Serial No. 587,600. Published Jan. 2, 1951. Class 1.

540,020. Children's Coats. Donovan Enterprises, Incorporated, Saugatuck, Conn.
Filed Nov. 10, 1949, Serial No. 587,626. Published Dec. 12, 1950. Class 39.

540,021. Gold and Platinum Metal Wire for Dental Purposes—Namely, for Orthodontic Work, Bridgework, and Partial Dentures. J. F. Jelenko & Co., Inc., New York, N. Y.
Filed Nov. 14, 1949, Serial No. 587,730. Published Jan. 2, 1951. Class 44.

540,022. Garment Belts. Sterling Belt Co., Inc., New York, N. Y.
Filed Nov. 14, 1949, Serial No. 587,764. Published Dec. 26, 1950. Class 39.

540,023. Men's Suits, Sport Coats, Topcoats, and Overcoats. B. Altman & Co., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,929. Published Dec. 12, 1950. Class 39.

540,024. Handkerchiefs. Davis & Catterall, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,939. Published Dec. 26, 1950. Class 39.

540,025. Women's Coats and Suits. I. M. Roffer Sons Company, Inc., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,972. Published Dec. 26, 1950. Class 39.

540,026. Removable Linings for Men's, Young Men's, Women's, Misses', and Juniors' Overcoats. C. B. Shane Corporation, Chicago, Ill.
Filed Nov. 17, 1949, Serial No. 587,977. Published Dec. 12, 1950. Class 39.

540,027. Insulated Filing Cabinets. The Shaw-Walker Company, Muskegon, Mich.
Filed Nov. 18, 1949, Serial No. 588,050. Published Dec. 19, 1950. Class 32.

540,028. Men's Leather and Combined Leather and Rubber Shoes. Sommer & Kaufmann, San Francisco, Calif.
Filed Nov. 19, 1949, Serial No. 588,112. Published Jan. 2, 1951. Class 39.

540,029. Sugar-Coated Tablet Containing Medicinal Preparations for the Treatment of Micro-Organic Infections. Schering Corporation, Bloomfield, N. J.
Filed Nov. 23, 1949, Serial No. 588,232. Published Jan. 2, 1951. Class 18.

540,030. Candies. Charles A. Carl, doing business as Phoenix Candy Company, Brooklyn, N. Y.
Filed Nov. 29, 1949, Serial No. 588,478. Published Dec. 5, 1950. Class 46.

540,031. Section of a Periodical Publication. Skyline Publications, Inc., New York, N. Y.
Filed Nov. 29, 1949, Serial No. 588,531. Published Dec. 19, 1950. Class 38.

540,032. Watches. Cronow Watch Co., Inc., New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,561. Published Jan. 2, 1951. Class 27.

540,033. Electrical Friction Tape and Insulating Rubber Tape. Graybar Electric Company, Inc., New York, N. Y.
Filed Dec. 1, 1949, Serial No. 588,643. Published Dec. 26, 1950. Class 21.

540,034. Lens Grinding and Polishing Abrasive Compounds. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Dec. 3, 1949, Serial No. 588,732. Published Jan. 2, 1951. Class 4.

540,035. Bulletin. American Water Works Association, Inc., New York, N. Y.
Filed Dec. 6, 1949, Serial No. 588,847. Published Dec. 19, 1950. Class 38.

540,036. Press Plates and Pads for Pressing Clothes. Davis Specialties Incorporated, Chicago, Ill.
Filed Dec. 9, 1949, Serial No. 589,077. Published Dec. 26, 1950. Class 24.

540,037. Combination Dinette Table and Ironing Board. Grand Manufacturing Company, Detroit, Mich.
Filed Dec. 9, 1949, Serial No. 589,087. Published Dec. 19, 1950. Class 32.

540,038. Chemical Preparations in Both Solid and Liquid Form Useful for the Production of Rustproofing and Paint Bonding Phosphate Films or Phosphate Coatings on Metals, Particularly Ferriferous Metals. American Chemical Paint Company, Ambler, Pa.
Filed Dec. 14, 1949, Serial No. 589,301. Published Jan. 2, 1951. Class 6.

540,039. Instrument or Appliance, for Surgical or Hospital Use, Etc. A. M. Bickford & Sons Limited, Adelaide, South Australia, Australia.
Filed Dec. 16, 1949, Serial No. 589,419. Published Jan. 2, 1951. Class 44.

540,040. Publication Issued Monthly. Caro Book Company, Pittsburgh, Pa.
Filed Dec. 20, 1949, Serial No. 589,637. Published Dec. 19, 1950. Class 38.

540,041. Wooden Spoons and Wooden Forks. The Diamond Match Company, New York, N. Y.
Filed Dec. 20, 1949, Serial No. 589,645. Published Dec. 12, 1950. Class 23.

540,042. Mayonnaise, Salad Dressing, and Jellies. American Stores Company, Philadelphia, Pa.
Filed Dec. 21, 1949, Serial No. 589,701. Published Nov. 14, 1950. Class 46.

540,043. Medicinal Preparation of Thenylpyramine Hydrochloride Used in the Treatment of Allergic Symptoms. Eli Lilly and Company, Indianapolis, Ind.
Filed Dec. 23, 1949, Serial No. 589,859. Published Nov. 28, 1950. Class 18.

540,044. Candied Fruit Confection—Namely, Caramel and Nut-Coated Apples. Windy City Confections & Sales Co., Inc., Chicago, Ill.
Filed Dec. 23, 1949, Serial No. 589,881. Published Dec. 5, 1950. Class 46.

540,045. Children's Dresses. Oma Lee Cooper, doing business as Oma Lee Originals, Kansas City, Mo.
Filed Dec. 24, 1949, Serial No. 589,891. Published Dec. 26, 1950. Class 39.

540,046. Gift and Shower Printed Greeting Cards. Earl & Arlington, San Francisco, Calif.
Filed Dec. 28, 1949, Serial No. 590,014. Published Dec. 19, 1950. Class 38.

540,047. Maps. Rudolf R. von Siegl, Stonecrest, N. Y.
Filed Dec. 28, 1949, Serial No. 590,042. Published Dec. 19, 1950. Class 38.

540,048. Table Leaves. Lincoln Industries, Inc., Marion, Va.
Filed Dec. 29, 1949, Serial No. 590,091. Published Dec. 19, 1950. Class 32.

540,049. Airplanes. Boeing Airplane Company, Seattle, Wash.
Filed Dec. 31, 1949, Serial No. 590,216. Published Dec. 12, 1950. Class 19.

540,050. Plastic Bristles for Brooms and Brushes. Modglin Company, Inc., Los Angeles, Calif.
Filed Jan. 3, 1950, Serial No. 590,278. Published Nov. 14, 1950. Class 1.

540,051. Magazine Published Monthly. The Parents' Institute, Inc., New York, N. Y.
Filed Jan. 4, 1950, Serial No. 590,321. Published Dec. 12, 1950. Class 38.

540,052. Antibacterial Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Jan. 4, 1950, Serial No. 590,329. Published Nov. 28, 1950. Class 18.

540,053. Non-Ferrous Metals and Alloys Sold in Bar and Ingot Form, Etc. Continental Smelting & Refining Co., McCook, Ill.
Filed Jan. 5, 1950, Serial No. 590,354. Published Nov. 7, 1950. Class 14.

540,054. Weighing Scales. Hydroway Scales, Inc., Southfield Township, Oakland County, and Detroit, Mich.
Filed Jan. 5, 1950, Serial No. 590,368. Published Oct. 17, 1950. Class 26.

540,055. Women's Hosiery. Karl's Shoe Stores, Ltd., Los Angeles, Calif.
Filed Jan. 5, 1950, Serial No. 590,370. Published Dec. 26, 1950. Class 39.

540,056. Airplane Parts—Namely, Structural and Body Parts. Piper Aircraft Corporation, Lock Haven, Pa.
Filed Jan. 5, 1950, Serial No. 590,386. Published Dec. 26, 1950. Class 19.

540,057. Coal. Bell & Zoller Coal Company, Chicago, Ill.
Filed Jan. 6, 1950, Serial No. 590,415. Published Nov. 14, 1950. Class 1.

540,058. Water Supply Systems Comprising Pumps, Electric and Gasoline Motors, Tanks, Valves, and Pipe Fittings Therefor Sold as a Unit. Hypro Engineering, Inc., Minneapolis, Minn.
Filed Jan. 6, 1950, Serial No. 590,437. Published Dec. 12, 1950. Class 23.

540,059. Sofa Beds. Northome Furniture Industries, Inc., Dubuque, Iowa.
Filed Jan. 7, 1950, Serial No. 590,515. Published Dec. 12, 1950. Class 32.

540,060. Chrome and Vegetable Leather. Endicott Johnson Corporation, Endicott, N. Y.
Filed Jan. 9, 1950, Serial No. 590,549. Published Nov. 21, 1950. Class 1.

540,061. Steel and Iron in Strips, Sheets, and Plates. Solar Steel Corporation, Cleveland, Ohio.
Filed Jan. 10, 1950, Serial No. 590,623. Published Dec. 5, 1950. Class 14.

540,062. Spring Cushion Units—Namely, Inner Springs, Bed Springs, and Seat Cushions. Comfort Spring Corporation, Baltimore, Md.
Filed Jan. 11, 1950, Serial No. 590,647. Published Dec. 19, 1950. Class 32.

540,063. Gasoline, Kerosene, Motor Fuel Consisting of a Mixture of Gasoline and Motor Benzol, Diesel Oil, Fuel Oil, Motor Oil, and Lubricating Greases. Kendall Oil Company, Inc., Chattanooga, Tenn.
Filed Jan. 11, 1950, Serial No. 590,664. Published Dec. 5, 1950. Class 15.

540,064. Contact Printing Apparatus. F. G. Ludwig Associates, Woodbridge, Conn.
Filed Jan. 11, 1950, Serial No. 590,667. Published Oct. 17, 1950. Class 26.

540,065. Prismatic Refractors for Attachment to Windshields of Automotive Vehicles To Bring Traffic Lights Within the Drivers' Line of Vision. Walburn Equipment Company, Cleveland, Ohio, assignor to John E. Burnside, Cleveland, Ohio.
Filed Jan. 14, 1950, Serial No. 590,920. Published Dec. 26, 1950. Class 19.

540,066. Automatic Weighing Machines. Olofsson Tool & Die Company, Lansing, Mich.
Filed Jan. 16, 1950, Serial No. 590,941. Published Oct. 17, 1950. Class 26.

540,067. Mattresses and Studio Couches. David Abelson, doing business as Abelson Bedding Co., Brooklyn, N. Y.
Filed Jan. 17, 1950, Serial No. 590,966. Published Dec. 26, 1950. Class 32.

540,068. Set of Wheels With Brackets Therefor To Be Removably Attached to Luggage, Such as Suitcases and the Like. MacArthur Products, Inc., Springfield, Mass.
Filed Jan. 17, 1950, Serial No. 590,985. Published Dec. 12, 1950. Class 19.

540,069. Set of Wheels With Brackets Therefor To Be Removably Attached to Luggage, Such as Suitcases and the Like. MacArthur Products, Inc., Springfield, Mass.
Filed Jan. 17, 1950, Serial No. 590,987. Published Dec. 12, 1950. Class 19.

540,070. Radio Receiving Sets and Television Receiving Sets. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,046. Published Jan. 2, 1951. Class 21.

540,071. Potato Wafers. Schuler Potato Chip Co., Inc., Rochester, N. Y.
Filed Jan. 18, 1950, Serial No. 591,051. Published Nov. 21, 1950. Class 46.

540,072. Living Room Furniture—Namely, Chairs, Etc. Drexel Furniture Company, Drexel, N. C.
Filed Jan. 19, 1950, Serial No. 591,074. Published Dec. 12, 1950. Class 32.

540,073. Candy—Namely, Sesame Bars. Metropolis Candy Co., Inc., New York, N. Y.
Filed Jan. 19, 1950, Serial No. 591,098. Published Nov. 21, 1950. Class 46.

540,074. Sun Glasses, Eyeglasses, Spectacles, Frames, and Parts Thereof, Including Lenses. Comptone Company, Ltd., New York, N. Y.
Filed Jan. 24, 1950, Serial No. 591,357. Published Oct. 31, 1950. Class 26.

540,075. Electrical and Geophysical Apparatus—Namely, Transmitting Apparatus, Etc. William M. Barret, Inc., Shreveport, La.
Filed Jan. 25, 1950, Serial No. 591,398. Published Nov. 7, 1950. Class 26.

540,076. Hot Air Furnaces and Heating Stoves. Orbon Stove Co., Belleville, Ill.
Filed Jan. 26, 1950, Serial No. 591,509. Published Dec. 26, 1950. Class 34.

540,077. Bicycles. Arnold, Schwinn & Co., Chicago, Ill.
Filed Jan. 27, 1950, Serial No. 591,547. Published Dec. 12, 1950. Class 19.

540,078. Preparation for the Treatment of Dog Mange. House of Huston, Inc., Coral Gables, Fla.
Filed Jan. 28, 1950, Serial No. 591,621. Published Dec. 19, 1950. Class 18.

540,079. Greeting Cards, Printed Greeting Folders, Printed Seals, and Printed Decorative Tags. Norcross, Inc., New York, N. Y.
Filed Jan. 30, 1950, Serial No. 591,695. Published Dec. 12, 1950. Class 38.

540,080. Copper Base Alloy in Various Forms Suitable for Metal Joining and Surfacing Operations. Eutectic Welding Alloys Corporation, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,723. Published Dec. 5, 1950. Class 14.

540,081. Batting and Filler Material. Master Pad Corporation, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,745. Published Dec. 26, 1950. Class 1.

540,082. Radio Receiving Sets, Parts of Radio Receiving Sets, Radio Loud Speakers, Etc. The Midwest Radio and Television Corporation, Cincinnati, Ohio.
Filed Jan. 31, 1950, Serial 591,759. Published Jan. 2, 1951. Class 21.

540,083. Cartoons Appearing in Newspaper Publications. General Features Corporation, New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,778. Published Dec. 26, 1950. Class 38.

540,084. Metal Strapping for Boxes, Bales, and Packages, not Including Shipping Cans or Containers Per Se. C. Tennant, Sons & Co. of New York, New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,812. Published Jan. 2, 1951. Class 13.

540,085. Cameras. Ercona Camera Corporation, New York N. Y.
Filed Feb. 2, 1950, Serial No. 591,841. Published Oct. 31, 1950. Class 26.

540,086. Mattresses. The Ohio Mattress Company, Cleveland, Ohio.
Filed Feb. 2, 1950, Serial No. 591,860. Published Dec. 26, 1950. Class 32.

540,087. Men's and Boys' Jackets. Amco Athletic Apparel Corp., New York, N. Y.
Filed Feb. 3, 1950, Serial No. 591,902. Published Dec. 26, 1950. Class 39.

540,088. Men's and Boys' Jackets. Amco Athletic Apparel Corp., New York, N. Y.
Filed Feb. 3, 1950, Serial No. 591,903. Published Dec. 26, 1950. Class 39.

540,089. Combination Cigarette Case and Lighter. Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Feb. 3, 1950, Serial No. 591,929. Published Dec. 5, 1950. Class 8.

540,090. Fresh Vegetables. Plant City Vegetable Cooperative, Plant City, Fla.
Filed Feb. 3, 1950, Serial No. 591,951. Published Dec. 12, 1950. Class 46.

540,091. Periodical Publication. Wayne Knitting Mills, Fort Wayne, Ind.
Filed Feb. 3, 1950, Serial No. 591,971. Published Dec. 12, 1950. Class 38.

540,092. Greeting Cards, Printed Greeting Folders, Printed Seals, and Printed Decorative Tags. Norcross, Inc., New York, N. Y.
Filed Feb. 4, 1950, Serial No. 592,001. Published Dec. 12, 1950. Class 38.

540,093. Tool Steel. The Pennsylvania Steel Corp., Detroit, Mich.
Filed Feb. 6, 1950, Serial No. 592,049. Published Dec. 5, 1950. Class 14.

540,094. Tool Steel. The Pennsylvania Steel Corp., Detroit, Mich.
Filed Feb. 6, 1950, Serial No. 592,050. Published Dec. 5, 1950. Class 14.

540,095. Suspenders, Garters, Arm Bands, Men's, Boys', and Ladies' Belts, and Neckties. The Ohio Textile Products Co., Mansfield, Ohio.
Filed Feb. 8, 1950, Serial No. 592,158. Published Dec. 12, 1950. Class 39.

540,096. Men's, Boys', and Ladies' Jackets. The Shirtcraft Company, Inc., New York, N. Y.
Filed Feb. 9, 1950, Serial No. 592,231. Published Dec. 26, 1950. Class 39.

540,097. Ground or Pulverized Limestone for Animal and Poultry Feed Ingredient. Limestone Products Corporation of America, Newton, N. J.
Filed Feb. 10, 1950, Serial No. 592,273. Published Dec. 26, 1950. Class 1.

540,098. Automatic Poultry Water Fountains of the Kind Adapted To Be Connected to Water Supply Lines and Associated Apparatus. Miller Manufacturing, Inc., St. Paul, Minn.
Filed Feb. 10, 1950, Serial No. 592,275. Published Jan. 2, 1951. Class 13.

540,099. Photographic Cameras, Lenses and Camera Carrying Cases. Kelly Photo Supply, Chicago, Ill.
Filed Feb. 11, 1950, Serial No. 592,325. Published Nov. 7, 1950. Class 26.

540,100. Children's Dresses. Sam Landorf & Co., Inc., New York, N. Y.
Filed Feb. 11, 1950, Serial No. 592,326. Published Dec. 26, 1950. Class 39.

540,101. Ventilation and Exhaust Fans. Wilbert F. Schaefer, doing business as Schaefer Brass & Mfg. Co., St. Louis, Mo.
Filed Feb. 13, 1950, Serial No. 592,389. Published Dec. 26, 1950. Class 34.

540,102. Women's Slippers and Casuals, Made of Rubber, Leather or Fabric, or Combinations Thereof. Gustinettes, Incorporated, New York, N. Y.
Filed Feb. 15, 1950, Serial No. 592,488. Published Dec. 26, 1950. Class 39.

540,103. Automobile Front End Suspension (Knee Action) Replacement Parts, Etc. Hershey Metal Products, Incorporated, Ansonia, Conn.
Filed Feb. 15, 1950, Serial No. 592,492. Published Dec. 19, 1950. Class 19.

540,104. Smokers' Pipes, Cigar and Cigarette Holders. Kaufmann Bros. & Bondy, Inc., West New York, N. J.
Filed Feb. 15, 1950, Serial No. 592,498. Published Dec. 19, 1950. Class 8.

540,105. Periodical Publications. Pillar of Fire, Zarephath, N. J.
Filed Feb. 15, 1950, Serial No. 592,515. Published Dec. 12, 1950. Class 38.

540,106. Newspaper Column Appearing From Time to Time. Beverley L. Britton, doing business under the name Beverley Britton, Chevy Chase, Md.
Filed Feb. 16, 1950, Serial No. 592,543. Published Dec. 26, 1950. Class 38.

540,107. Protective Apparel for Industrial Workers—Namely, Gloves Made of Fabric, Sleeves, Aprons, and Spats. The Olympic Glove Company, Inc., New York, N. Y.
Filed Feb. 16, 1950, Serial No. 592,575. Published Dec. 26, 1950. Class 39.

540,108. Electric Portable Barbecue Grills for Poultry, Meats. Porta-Cue Corporation, New York, N. Y.
Filed Feb. 16, 1950, Serial No. 592,578. Published Dec. 26, 1950. Class 21.

540,109. Denim Garments of Work and Sports Type—Namely, Overalls, Dungarees, Jackets, Pants, and Shirts. Smith Brothers Manufacturing Co., Carthage, Mo.
Filed Feb. 16, 1950, Serial No. 592,580. Published Dec. 26, 1950. Class 39.

540,110. Liquid Fuel Oil Addition To Eliminate Sludge and Moisture. Consolidated Engineers Company, Inc., Chicago, Ill.
Filed Feb. 17, 1950, Serial No. 592,612. Published Dec. 12, 1950. Class 15.

540,111. Organic Silicate Oils and Greases for Lubricating Purposes. Hodges Research and Development Company, Redwood City, Calif., assignor to Oronite Chemical Company, San Francisco, Calif., a corporation of Delaware.
Filed Feb. 17, 1950, Serial No. 592,630. Published Dec. 12, 1950. Class 15.

540,112. Electrical Plugs, Receptacles, and Cord Connectors. Russell & Stoll Company, Inc., New York, N. Y.
Filed Feb. 17, 1950, Serial No. 592,666. Published Jan. 2, 1951. Class 21.

540,113. Periodical Publication. Fraternity of Phi Gamma Delta, Washington, D. C.
Filed Feb. 3, 1950, Serial No. 592,679. Published Dec. 12, 1950. Class 38.

540,114. Greeting Cards. Messenger Corporation, Auburn, Ind.
Filed Feb. 18, 1950, Serial No. 592,715. Published Dec. 12, 1950. Class 38.

540,115. Medicinal Preparation Having Analgesic Properties. Hoffmann-La Roche Inc., Nutley, N. J.
Filed Feb. 21, 1950, Serial No. 592,813. Published Jan. 2, 1951. Class 18.

540,116. Computing Rules. Coleman Instruments, Inc., Maywood, Ill.
Filed Feb. 23, 1950, Serial No. 592,880. Published Nov. 7, 1950. Class 26.

540,117. Anthracite Stokers, Anthracite Stoker-Boiler Units, and Parts Thereof. Keystone Manufacturing Company, Schuylkill Haven, Pa.
Filed Feb. 23, 1950, Serial No. 592,912. Published Dec. 26, 1950. Class 34.

540,118. Electrically Heated Vaporizers for the Purpose of Deodorizing the Ambient Atmosphere. Harold J. Kohler, trading as Monarch Laboratories, and Monarch Labs., Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,915. Published Jan. 2, 1951. Class 21.

540,119. Comic Strip. New York Herald Tribune Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,925. Published Dec. 12, 1950. Class 38.

540,120. Combination Super-Heater and Water Trap for Electrically Heated Hand Pressing Irons. National Pressure Cooker Company, Eau Claire, Wis.
Filed Jan. 12, 1950, Serial No. 593,041. Published Dec. 26, 1950. Class 21.

540,121. Air Sanitizing Apparatus Comprising a Cabinet Containing Ultra-Violet Germicidal Tubes and Reflectors. American Health Air Systems, Incorporated, New Haven, Conn.
Filed Feb. 25, 1950, Serial No. 593,046. Published Jan. 2, 1951. Class 21.

540,122. Kitchen Cabinets in Various Sizes of Preformed Units of Drawers and Shelving and Counter Tops Assembled Therewith. Shirley Corporation, Indianapolis, Ind.
Filed Feb. 25, 1950, Serial No. 593,087. Published Dec. 26, 1950. Class 32.

540,123. Organic Silicate Liquids. Hodges Research and Development Company, Redwood City, Calif., assignor to Oronite Chemical Company, San Francisco, Calif., a corporation of Delaware.
Filed Feb. 27, 1950, Serial No. 593,119. Published Jan. 2, 1951. Class 6.

540,124. Boots and Shoes. Arthur A. Williams, doing business under the name and style of Safety First Shoe Company, Holliston, Mass.
Filed Feb. 28, 1950, Serial No. 593,199. Published Sept. 26, 1950. Class 39.

540,125. Comic Strip. New York Herald Tribune Inc., New York, N. Y.
Filed Mar. 2, 1950, Serial No. 593,283. Published Dec. 26, 1950. Class 38.

540,126. Electric Cigarette Lighters. Wico Electric Company, West Springfield, Mass.
Filed Mar. 2, 1950, Serial No. 593,308. Published Dec. 19, 1950. Class 8.

540,127. Ladies' Hosiery. Gustave P. Victorson, doing business as Philadelphia Hosiery Company, New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,380. Published Dec. 26, 1950. Class 39.

540,128. Women's Hosiery. Fabergé, Inc., New York, N. Y.
Filed Mar. 6, 1950, Serial No. 593,474. Published Jan. 2, 1951. Class 39.

540,129. Women's Hosiery. Fabergé, Inc., New York, N. Y.
Filed Mar. 6, 1950, Serial No. 593,475. Published Jan. 2, 1951. Class 39.

540,130. Women's Hosiery. Fabergé, Inc., New York, N. Y.
Filed Mar. 8, 1950, Serial No. 593,590. Published Jan. 2, 1951. Class 39.

540,131. Replacement and Repair Parts, and Servicing Kits and Tools for the Automotive Industry—Namely, Fuel Pumps, Etc. Standard Motor Products, Inc., Long Island City, N. Y.
Filed Mar. 10, 1950, Serial No. 593,754. Published Dec. 12, 1950. Class 23.

540,132. Kits Containing Fluid, Flints, Wicks, and Cleaning Brushes for Cigarette and Cigar Lighters. Everett Albert Gallegos, doing business as The Alnik Co., Gallup, N. Mex.
Filed Mar. 11, 1950, Serial No. 593,794. Published Dec. 19, 1950. Class 8.

540,133. Combination Cigarette Case and Lighter. Illinois Watch Case Co., operating under the name of Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Mar. 11, 1950, Serial No. 593,799. Published Dec. 19, 1950. Class 8.

540,134. Gasoline, Kerosene, Petroleum Distillate for Fuel Purposes, and Motor-Fuel Oil and Furnace-Fuel Oil. Richfield Oil Corporation, Los Angeles, Calif.
Filed Mar. 13, 1950, Serial No. 593,887. Published Jan. 2, 1951. Class 15.

540,135. Chisels, Knives, Saws, Including Frames and Blades, and Scissors of General Utility. General Steel Warehouse Co., Inc., Chicago, Ill.
Filed Mar. 15, 1950, Serial No. 593,980. Published Jan. 2, 1951. Class 23.

540,136. Extension Furniture, Particularly a Commode With Structure Therein Adapted for Conversion Into an Extension Table. Saginaw Furniture Shops, Inc., Chicago, Ill.
Filed Mar. 15, 1950, Serial No. 594,000. Published Dec. 26, 1950. Class 32.

540,137. Spark Plug Resistors, Spark Plugs and Parts Thereof. Champion Spark Plug Company, Toledo, Ohio.
Filed Mar. 16, 1950, Serial No. 594,024. Published Jan. 2, 1951. Class 21.

540,138. Radiator Hose and V Type Belts. The Dayton Rubber Company, Dayton, Ohio.
Filed Mar. 17, 1950, Serial No. 594,104. Published Nov. 14, 1950. Class 35.

540,139. Periodical Publications. General Aniline & Film Corporation, New York and Binghamton, N. Y.
Filed Mar. 17, 1950, Serial No. 594,117. Published Dec. 26, 1950. Class 38.

540,140. Periodical Publication. Kappa Beta Pi Legal Sorority, Chicago, Ill.
Filed Mar. 17, 1950, Serial No. 594,128. Published Dec. 26, 1950. Class 38.

540,141. Automobile Seat Covers. Lipschultz Bros., St. Paul, Minn.
Filed Mar. 17, 1950, Serial No. 594,131. Published Nov. 21, 1950. Class 19.

540,142. Automobile Seat Covers. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich.
Filed Feb. 18, 1950, Serial No. 594,173. Published Nov. 21, 1950. Class 19.

540,143. Greeting Cards. Buzza-Cardozo, Los Angeles, Calif.
Filed Mar. 18, 1950, Serial No. 594,194. Published Dec. 26, 1950. Class 38.

540,144. Metal Flat Band Strapping for Boxes, Bales, Packages, and the Like. General Strapping Corporation, New York, N. Y.
Filed Mar. 21, 1950, Serial No. 594,317. Published Jan. 2, 1951. Class 13.

540,145. Mattresses. The Vincent-McCall Company, Kenosha, Wis.
Filed Mar. 21, 1950, Serial No. 594,343. Published Dec. 26, 1950. Class 32.

540,146. Trivalent Vaccines for the Immunization of Animals. American Cyanamid Company, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,430. Published Jan. 2, 1951. Class 18.

540,147. Motor Driven Water Pumps. Nathan H. Turkin, doing business under the name of Kenron Steel Products, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,504. Published Dec. 12, 1950. Class 23.

540,148. Extension Tables. Namor Products, Inc., Cleveland, Ohio.
Filed Mar. 24, 1950, Serial No. 594,566. Published Dec. 26, 1950. Class 32.

540,149. Tablets Containing Vitamin B–12. Walker Vitamin Products, Inc., Mount Vernon, N. Y.
Filed Mar. 24, 1950, Serial No. 594,601. Published Jan. 2, 1951. Class 18.

540,150. Bicycles and Structural Parts Thereof. The Huffman Manufacturing Company, Dayton, Ohio.
Filed Mar. 25, 1950, Serial No. 594,642. Published Dec. 12, 1950. Class 19.

540,151. Primary Batteries. Thomas A. Edison, Incorporated, West Orange, N. J.
Filed Mar. 27, 1950, Serial No. 594,699. Published Dec. 26, 1950. Class 21.

540,152. Utility Carts. Morton Hague, doing business as Lazy Daisy International, Michigan City, Ind.
Filed Mar. 28, 1950, Serial No. 594,772. Published Dec. 12, 1950. Class 19.

540,153. Gas Stoves and Ranges. Hardwick Stove Company, Incoporated, Cleveland, Tenn.
Filed Mar. 29, 1950, Serial No. 594,837. Published Dec. 26, 1950. Class 34.

540,154. Buses. International Harvester Company, Chicago, Ill.
Filed Mar. 30, 1950, Serial No. 594,901. Published Dec. 12, 1950. Class 19.

540,155. Knock-Down Parts for Rowboats, Kayaks, Runabouts, Dingeys, Cruisers, Sailboats, and Outboard Boats. Frederick Stockhausen, doing business under the name and style of U-Mak-It Products, New York, N. Y.
Filed Mar. 31, 1950, Serial No. 595,013. Published Dec. 12, 1950. Class 19.

540,156. Television Receiver Antennas. Tela-Tena Company, Evanston, Ill.
Filed Mar. 31, 1950, Serial No. 595,016. Published Dec. 26, 1950. Class 21.

540,157. Smokers' Pipes, Cigar and Cigarette Holders. The Reiss-Premier Corporation, West New York, N. J.
Filed Feb. 15, 1950, Serial No. 595,036. Published Dec. 19, 1950. Class 8.

540,158. Soles and Heels of Rubber Composition or Its Equivalent for Boots and Shoes. The Bearfoot Sole Company, Inc., Boston, Mass.
Filed Apr. 5, 1950, Serial No. 595,241. Published Dec. 26, 1950. Class 39.

540,159. Nail-Like Fasteners. The Lexington Supply Co., Cleveland, Ohio.
Filed Apr. 6, 1950, Serial No. 595,324. Published Jan. 2, 1951. Class 13.

540,160. Toilet Seats. C. F. Church Manufacturing Co., Monson, Mass.
Filed Apr. 7, 1950, Serial No. 595,359. Published Jan. 2, 1951. Class 13.

540,161. Earphone and Volume Control Attachments for Television Receivers. Skinner & Pelton, Inc., Chicago, Ill.
Filed Apr. 7, 1950, Serial No. 595,421. Published Dec. 26, 1950. Class 21.

540,162. Permanent Non-Electric Magnets. Erlez Manufacturing Co., Erie, Pa.
Filed Apr. 8, 1950, Serial No. 595,456. Published Jan. 2, 1951. Class 21.

540,163. Children's, Junior Girls', Misses', and Women's Clothing—Namely, Dresses; Pinafores; Scarves; and Handkerchiefs. Anita H. Harding, New York, N. Y.
Filed Apr. 12, 1950, Serial No. 595,601. Published Jan. 2, 1951. Class 39.

540,164. Electric Capacitors. P. R. Mallory & Co., Inc., Indianapolis, Ind.
Filed Apr. 12, 1950, Serial No. 595,607. Published Dec. 26, 1950. Class 21.

540,165. Portable Electric Radiant Heaters for General Use. Sunbeam Corporation, Chicago, Ill.
Filed Apr. 13, 1950, Serial No. 595,690. Published Dec. 26, 1950. Class 21.

540,166. Corsets, Brassières, Corset-Covers, and Girdles. W. B. Foundations, Incorporated, Newark, N. J.
Filed Apr. 14, 1950, Serial No. 595,749. Published Dec. 12, 1950. Class 39.

540,167. Laundry Equipment—Namely, Ironers and Driers. The Dexter Company, Fairfield, Iowa.
Filed Apr. 15, 1950, Serial No. 595,767. Published Jan. 2, 1951. Class 24.

540,168. Laundry Equipment—Namely, Washing Machines, Ironers, and Driers. The Dexter Company, Fairfield, Iowa.
Filed Apr. 15, 1950, Serial No. 595,768. Published Jan. 2, 1951. Class 24.

540,169. Heels and Soles for Boots and Shoes. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Apr. 18, 1950, Serial No. 595,892. Published Dec. 26, 1950. Class 39.

540,170. Heels for Boots and Shoes. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Apr. 18, 1950, Serial No. 595,893. Published Dec. 26, 1950. Class 39.

540,171. Men's and Boys' Shoes. H. H. Brown Shoe Co., Inc., Worcester, Mass.
Filed Apr. 25, 1950, Serial No. 596,258. Published Dec. 26, 1950. Class 39.

540,172. Gasket or Sealing Material Used as an Anti-Squeak Cushion Between Two Surfaces. Crotty Corporation, Quincy, Mich.
Filed Apr. 25, 1950, Serial No. 596,270. Published Dec. 19, 1950. Class 35.

540,173. Electric Exhaust Fans. The Gallaher Company, Owatonna, Minn.
Filed Apr. 25, 1950, Serial No. 596,276. Published Jan. 2, 1951. Class 21.

540,174. Brassières. True Form Corset Company, Inc., Philadelphia, Pa.
Filed Apr. 25, 1950, Serial No. 596,309. Published Jan. 2, 1951. Class 39.

540,175. Lifting Cranes Mounted on Rubber-Tired Automobile Truck Chassis. Insley Manufacturing Corporation, Indianapolis, Ind.
Filed Apr. 26, 1950, Serial No. 596,345. Published Jan. 2, 1951. Class 23.

540,176. Transformers and Parts Thereof. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed May 3, 1950, Serial No. 596,768. Published Jan. 2, 1951. Class 21.

540,177. Vehicle Tires and Tubes Therefor Made of Rubber and Rubber Fabric. The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa.
Filed May 5, 1950, Serial No. 596,939. Published Dec. 12, 1950. Class 35.

540,178. Storage Batteries, Dry Cell Batteries, Automobile Electric Bulb Kits, and Electric Automobile Bulbs. The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa.
Filed May 5, 1950, Serial No. 596,940. Published Dec. 26, 1950. Class 21.

540,179. CONSOLIDATED CERTIFICATE. Polaroid Corporation, Cambridge, Mass.
Light-Polarizing Organic Plastic in Sheet Form for Further Manufacture. Filed May 9, 1950, Serial No. 597,162. Published Nov. 28, 1950. Class 1.
Photographic Cameras, Photographic Camera Shutters, Photographic Exposure Meters, Sensitized Photographic Film, Photographic Film Spools, Sensitized Photographic Papers, and Television Screen Filters. Filed Apr. 29, 1949, Serial No. 577,982. Published Aug. 8, 1950. Class 26.

540,180. CONSOLIDATED CERTIFICATE. Polaroid Corporation, Cambridge, Mass.
Light-Polarizing Organic Plastic in Sheet Form for Further Manufacture. Filed May 9, 1950, Serial No. 597,163. Published Nov. 28, 1950. Class 1.
Photographic Cameras, Photographic Camera Shutters, Photographic Exposure Meters, Sensitized Photographic Film, Photographic Film Spools, Sensitized Photographic Papers, and Television Screen Filters. Filed Apr. 29, 1949, Serial No. 577,983. Published Aug. 8, 1950. Class 26.

540,181. Coats for Women and Young Women. New York Girl Coat Co., Inc., New York, N. Y.
Filed May 10, 1950, Serial No. 597,222. Published Dec. 26, 1950. Class 39.

540,182. Electric Broilers. Marlun Manufacturing Co., Inc., New York, N. Y.
Filed May 11, 1950, Serial No. 597,281. Published Jan. 2, 1951. Class 21.

540,183. Ferrous Metal Castings. Pacific Car and Foundry Company, Renton, Wash.
Filed May 11, 1950, Serial No. 597,289. Published Nov. 28, 1950. Class 14.

540,184. Women's Sportswear — Namely, Slacks and Shorts. I. C. Isaacs & Co., Inc., Baltimore, Md.
Filed May 12, 1950, Serial No. 597,336. Published Dec. 26, 1950. Class 39.

540,185. Ladies' Evening Shoes and Bridal Shoes of Cloth and Leather and Combinations Thereof. Middletown Footwear, Inc., Middletown, N. Y.
Filed May 12, 1950, Serial No. 597,347. Published Jan. 2, 1951. Class 39.

540,186. Insulated Electric Wire. The Whitney Blake Company, Hamden, Conn.
Filed May 16, 1950, Serial No. 597,496. Published Dec. 26, 1950. Class 21.

540,187. Voltage Regulators. The Superior Electric Company, Bristol, Conn.
Filed May 16, 1950, Serial No. 597,553. Published Dec. 26, 1950. Class 21.

540,188. Electric Blankets. Pepperell Manufacturing Company, Boston, Mass.
Filed May 22, 1950, Serial No. 597,899. Published Jan. 2, 1951. Class 21.

540,189. Ceramic Condensers. Radio Materials Corporation, Chicago, Ill.
Filed May 23, 1950, Serial No. 597,978. Published Jan. 2, 1951. Class 21.

540,190. Cotton Piece Goods. Dan River Mills, Incorporated, Danville, Va.
Filed May 24, 1950, Serial No. 598,006. Published Dec. 12, 1950. Class 42.

540,191. Electric Garbage Disposal Units. Fred L. Roberts Enterprises, Los Angeles, Calif.
Filed May 25, 1950, Serial No. 598,107. Published Jan. 2, 1951. Class 21.

540,192. Sateen. Bourne Mills, Fall River, Mass.
Filed May 27, 1950, Serial No. 598,233. Published Dec. 12, 1950. Class 42.

540,193. Artists' Palette. George J. Blacher, Pasadena, Calif.
Filed June 8, 1950, Serial No. 598,781. Published Jan. 2, 1951. Class 23.

540,194. Hydraulic Rams. The Massey-Harris Company, Racine, Wis.
Filed June 24, 1950, Serial No. 599,713. Published Dec. 5, 1950. Class 23.

540,195. Curtain Stretchers. Worldsbest Industries, Inc., Cudahy, Wis.
Filed July 3, 1950, Serial No. 600,205. Published Dec. 26, 1950. Class 24.

540,196. Clothes Dryer. Temco, Inc., Nashville, Tenn.
Filed July 7, 1950, Serial No. 600,358. Published Dec. 26, 1950. Class 24.

540,197. Clothes Dryer. Temco, Inc., Nashville, Tenn.
Filed July 7, 1950, Serial No. 600,359. Published Dec. 26, 1950. Class 24.

540,198. Stainless Steel Table Cutlery—Namely, Knives, Forks, and Spoons. National Silver Company, New York, N. Y.
Filed July 24, 1950, Serial No. 601,160. Published Dec. 12, 1950. Class 23.

540,199. Stainless Steel Table Cutlery—Namely, Knives, Forks, and Spoons. National Silver Company, New York, N. Y.
Filed July 24, 1950, Serial No. 601,162. Published Dec. 26, 1950. Class 23.

540,200. Analgesic Tablet for Children, Containing Aspirin, Vitamin C, and Aluminum Hydroxide Gel. Plough, Inc., Memphis, Tenn.
Filed July 28, 1950, Serial No. 601,374. Published Jan. 9, 1951. Class 18.

540,201. Cord and Rope. Rocky Mount Cord Company, Rocky Mount, N. C.
Filed Aug. 14, 1950, Serial No. 602,164. Published Dec. 26, 1950. Class 7.

Service Marks

540,202. Automobile Rentals. Hav-A-Kar, Los Angeles, Calif.
Filed Jan. 19, 1948, Serial No. 547,450. Published Jan. 2, 1951. Class 105.

540,203. Airplane Transportation and Shipping of Passengers, Property, and Mail. Braniff Airways, Incorporated, Dallas, Tex.
Filed Sept. 23, 1949, Serial No. 584,940. Published Jan. 2, 1951. Class 105.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

540,204. (Class 19. Vehicles.) The Weather Master Company, Incorporated, Wichita, Kans. Original filed, act of 1905, Oct. 12, 1946; amended to application under act of 1946, Supplemental Register, Oct. 29, 1949, Serial No. 510,794.

NO-SUN

For Visors for the Front Windshields of Vehicles.
Claims use since June 1946.

540,205. (Class 46. Foods and Ingredients of Foods.) Sebasco Fisherman's Association, Sebasco Estates, Maine. Original filed, act of 1946, Principal Register, Aug. 14, 1947; amended to application, Supplemental Register, Oct. 20, 1950, Serial No. 531,379.

SEBASCO

For Frozen Fish.
Claims use since July 15, 1947.

540,206. (Class 32. Furniture and Upholstery.) Dunson Industries, Inc., Pomona Park, Fla. Original filed, act of 1946, Principal Register, Aug. 27, 1947; amended to application, Supplemental Register, Nov. 23, 1948, Serial No. 532,575.

UNI-ROUND

The drawing is lined for red.
For Baby Dining-Play Table.
Claims use since Aug. 2, 1947.

540,207. (Class 46. Foods and Ingredients of Foods.) D. Vitulli & Company, Bothell, Wash. Original filed, act of 1946, Principal Register, Nov. 22, 1947; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 542,060.



For Fresh Celery, Lettuce, Cauliflower, and Spinach.
Claims use since Sept. 13, 1947.

540,208. (Class 22. Games, Toys, and Sporting Goods.) Charles H. Foster, New York, N. Y., assignor to Plastic Articles Co., Inc., New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, Nov. 25, 1947; amended to application, Supplemental Register, Mar. 19, 1949, Serial No. 542,304.

CHOO-GUM BANK

For Toy Banks.
Claims use since July 10, 1947.

540,209. (Class 37. Paper and Stationery.) Curtis Paper Company, Newark, Del. Original filed, act of 1946, Principal Register, Dec. 1, 1947; amended to application, Supplemental Register, June 30, 1950, Serial No. 542,818.

CURTIS TEXT

For Text and Cover Papers for Use in the Printing Industry and Art Field.
Claims use since August 1947.

540,210. (Class 17. Tobacco Products.) I. Lewis Cigar Manufacturing Company, Newark, N. J. Original filed, act of 1946, Principal Register, Dec. 5, 1947; amended to application, Supplemental Register, Oct. 15, 1949, Serial No. 543,498.

Smart Smokers Smoke
SEIDENBERG

Applicant claims ownership of Registration No. 313,810.
For Cigars.
Claims use since May 1938.

540,211. (Class 46. Foods and Ingredients of Foods.) Pillsbury Mills, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Jan. 2, 1948; amended to application, Supplemental Register, Jan. 19, 1951, Serial No. 546,026.

MILANO

Applicant claims ownership of Registration No. 172,496.
For Semolina.
Claims use since Jan. 15, 1909.

540,212. (Class 26. Measuring and Scientific Appliances.) The Dow Mechanical Corporation, Thompsonville, Conn. Original filed, act of 1946, Principal Register, Apr. 23, 1948; amended to application, Supplemental Register, Apr. 25, 1950, Serial No. 555,387.

MECHADIGAL

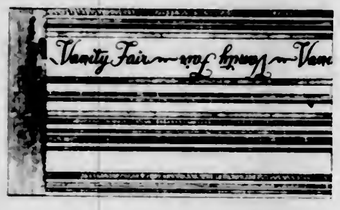
For Internal and External Dimension Gauges and Comparators, and Parts Thereof.
Claims use since June 1946.

540,213. (Class 21. Electrical Apparatus, Machines, and Supplies.) H. D. Hudson Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, May 4, 1948; amended to application, Supplemental Register, Nov. 25, 1949, Serial No. 556,197.

INSECT-AWAY

For Hand-Manipulable Portable Unitary Electric Insecticide Sprayers, Moth Sprayers, and Parts Therefor.
Claims use since Dec. 19, 1947.

540,214. (Class 39. Clothing.) Vanity Fair Mills, Inc., Reading, Pa. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, Feb. 2, 1951, Serial No. 558,828.



The drawing is lined for pink, yellow, and blue. Applicant claims ownership of Registrations Nos. 141,456, 183,424, 130,430, 378,880, 305,749, 316,529, 116,092, 304,520, 175,517, and 139,422.
For Underwear, Lingerie, and Sleeping Garments for Women and Misses.
Claims use since Mar. 26, 1948.

540,215. (Class 25. Locks and Safes.) Dale E. Bunch, doing business as "Safety-Set" Window Lock Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, July 30, 1948; amended to application, Supplemental Register, Apr. 17, 1950, Serial No. 562,535.

"SAFETY-SET"

For Window Locks.
Claims use since May 6, 1947.

540,216. (Class 24. Laundry Appliances and Machines.) Laundercart, Huntsville, Ala. Original filed, act of 1946, Principal Register, Oct. 25, 1948; amended to application, Supplemental Register, Apr. 18, 1950, Serial No. 567,581.

LAUNDERCART

For Portable Stands for Conveying Laundry Baskets.
Claims use since July 1, 1948.

540,217. (Class 46. Foods and Ingredients of Foods.) Wise Potato Chip Co., Berwick, Pa. Original filed, act of 1946, Principal Register, Dec. 2, 1948; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 569,791.



The drawing is lined for red and blue. Applicant claims ownership of Registrations Nos. 322,718, 326,421, and others.
For Potato Chips.
Claims use since June 15, 1939.

540,218. (Class 19. Vehicles.) Hurst Industries, Inc., San Jose, Calif. Original filed, act of 1946, Principal Register, Jan. 3, 1949; amended to application, Supplemental Register, Mar. 31, 1950, Serial No. 571,550.

flex-action

For Wheeled Vehicle Frame-Work for Spraying Equipment.
Claims use since Aug. 30, 1948.

540,219. (Class 39. Clothing.) Wilson Brothers, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 5, 1949; amended to application, Supplemental Register, July 1, 1950, Serial No. 571,675.

WIL-FIT

For Leather for Gloves.
Claims use since Dec. 14, 1948.

540,220. (Class 36. Musical Instruments and Supplies.) Ivers & Pond Piano Company, Cambridge, Mass. Original filed, act of 1946, Principal Register, Jan. 12 ,1949; amended to application, Supplemental Register, Aug. 15, 1950, Serial No. 572,036.

Merrill BOSTON.

For Pianos.
Claims use since Jan. 4, 1949.

540,221. (Class 1. Raw or Partly Prepared Materials.) Wm. Zappettini Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 17, 1949; amended to application, Supplemental Register, Aug. 23, 1950, Serial No. 574,073.

"Petal Perfect"



For Cut Flowers.
Claims use since August 1947.

540,222. (Class 16. Paints and Painters' Materials.) Everseal Manufacturing Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 12, 1949; amended to application, Supplemental Register, Jan. 6, 1951, Serial No. 575,340.

SUPERLITE

Applicant claims ownership of Registration No. 262,014.
For Ready-Mixed Paints in Flat, Semi-Gloss, Gloss and Enamel Finishes for Painting Walls and Ceilings.
Claims use since 1919.

540,223. (Class 26. Measuring and Scientific Appliances.) Tire-Larm Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 17, 1949; amended to application, Supplemental Register, Apr. 10, 1950, Serial No. 575,610.

Tire Larm

For Deflation Indicators for Pneumatic Tires.
Claims use since Feb. 10, 1949.

540,224. (Class 1. Raw or Partly Prepared Materials.) Harvey M. Hinderer Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, May 24, 1949; amended to application, Supplemental Register, Feb. 24, 1950, Serial No. 579,414.

HICKORY CHARCOAL PELLETS



For Charcoal.
Claims use since Feb. 1, 1946.

540,225. (Class 15. Oils and Greases.) Battenfeld Grease & Oil Corp., Kansas City, Mo. Original filed, act of 1946, Principal Register, July 25, 1949; amended to application, Supplemental Register, May 25, 1950, Serial No. 582,465.

BUSINESS IS INGREASING

For Lubricating Grease.,
Claims use since 1920.

540,226. (Class 38. Prints and Publications.) Dell Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 29, 1949; amended to application, Supplemental Register, Jan. 22, 1951, Serial No. 582,677.

1000 recipe COOK BOOK

For Magazine Published Periodically.
Claims use since Mar. 12, 1948.

540,227. (Class 38. Prints and Publications.) Dell Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 29, 1949; amended to application, Supplemental Register, Jan. 22, 1951, Serial No. 582,678.

RADIO ALBUM

For Magazine Published Periodically.
Claims use since Jan. 6, 1948.

540,228. (Class 46. Foods and Ingredients of Foods.) Haynes Milling Co., Inc., Portland, Ind. Original filed, act of 1946, Principal Register, Sept. 15, 1949; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 584,863.

MASHETTES

For Poultry Feeds—Namely, Chick Starter, Broiler Ration and Growing Mash, and Including the Principal Ground Grain Products and Vegetable Oil Containing Products and Vitamin and Mineral Containing Substances.
Claims use since Feb. 1, 1949.

540,229. (Class 14. Metals and Metal Castings and Forgings.) American Silver Company, Inc., Flushing, N. Y. Original filed, act of 1946, Principal Register, Sept. 29, 1949; amended to application, Supplemental Register, Aug. 8, 1950, Serial No. 585,503.

MICRO-FINISH

For Ultra Smoothly Surfaced Rolled and Drawn Metals in Sheet, Coil, Tube, Rod and Wire Form, of Precious Metals, Base Metals, or Clad Combinations Thereof, for Use in the Fine Arts.
Claims use since June 2, 1949.

540,230. (Class 32. Furniture and Upholstery.) Nachman Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 3, 1947; amended to application, Supplemental Register, November 9, 1950, Serial No. 533,810.

PEERLESS

For Inner Spring Construction for Upholstered Furniture.
Claims use since Jan. 2, 1934.

540,231. (Class 46. Foods and Ingredients of Foods.) W. F. Straub & Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 11, 1947; amended to application, Supplemental Register, Mar. 15, 1949, Serial No. 537,633.

"HONEYCOMB JAR"

For Extracted Honey.
Claims use since Sept. 18, 1947.

540,232. (Class 21. Electrical Apparatus, Machines, and Supplies.) Iron Fireman Manufacturing Company, Portland, Oreg. Original filed, act of 1946, Principal Register, Sept. 30, 1949; amended to application, Supplemental Register, Jan. 13, 1951, Serial No. 585,590.

REVERSWITCH

For Electric Switches for Reversing Split-Phase Motors.
Claims use since July 8, 1949.

540,233. (Class 18. Medicines and Pharmaceutical Preparations.) Dog Pad Company, Albany, Tex. Original filed, act of 1946, Principal Register, Oct. 10, 1949; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 586,049.

DOG PAD



For Antiseptic Applied to the Feet of Dogs.
Claims use since Sept. 14, 1949.

540,234. (Class 19. Vehicles.) Allard Motor Company, Ltd., London, England. Filed Nov. 7, 1949, Serial No. 587,420.

ALLARD

For Motor Cars.
Claims use since 1936 and use in commerce between the Kingdom of Great Britain and Northern Ireland and the United States which may lawfully be regulated by Congress on Sept. 26, 1946.

540,235. (Class 8. Smokers' Articles, Not Including Tobacco Products.) The Fisher Silversmiths, Inc., Jersey City, N. J., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 8, 1949; amended to application, Supplemental Register, Jan. 24, 1951, Serial No. 589,019.

"Silverlite"

For Cigar and Cigarette Lighters Made at Least Partly of Silver or Other Precious Metals.
Claims use since Nov. 10, 1949.

540,236. (Class 46. Foods and Ingredients of Foods.) Dixie Mills Company, East St. Louis, Ill. Filed Dec. 27, 1949, Serial No. 589,957.



Applicant claims ownership of Registrations Nos. 86,437, 296,976, 296,977, 340,818, 379,980, 387,301, and 387,302.
For Dog Food.
Claims use since Feb. 1, 1948.

540,237. (Class 39. Clothing.) H. Levi & Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Dec. 30, 1949; amended to application, Supplemental Register, Nov. 1, 1950, Serial No. 590,165.

Health Shield

For Men's, Boys', Ladies' and Girls' Underwear.
Claims use since Oct. 15, 1949.

540,238. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Lawrence Products Company, Inc., Attalla, Ala. Original filed, act of 1946, Principal Register, Dec. 31, 1949; amended to application, Supplemental Register, Jan. 23, 1951. Serial No. 590,229.

Kahntwist

Applicant claims ownership of Registrations Nos. 412,422 and 414,875.
For Cotton Rugs.
Claims use since Nov. 1, 1947.

540,239. (Class 19. Vehicles.) Malcolm N. Stanley, doing business as Porta Company, Boston, Mass. Original filed, act of 1946, Principal Register, Jan. 13, 1950; amended to application, Supplemental Register, Jan. 12, 1951. Serial No. 590,838.

PACKET

For Collapsible Boat.
Claims use since Jan. 6, 1950.

540,240. (Class 21. Electrical Apparatus, Machines, and Supplies.) Yardney Electric Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 16, 1950; amended to application, Supplemental Register, Jan. 13, 1951. Serial No. 590,963.

SILVERCEL

For Electric Storage Batteries.
Claims use since Jan. 1, 1949.

540,241. (Class 38. Prints and Publications.) Society of Industrial Packaging and Materials Handling Engineers, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 31, 1950; amended to application, Supplemental Register, Oct. 28, 1950. Serial No. 591,888.

Packaging and Materials Handling
TRENDS

For Periodical.
Claims use since November 1947.

540,242. (Class 39. Clothing.) Surprise Brassiere Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 10, 1950; amended to application, Supplemental Register, Feb. 1, 1951. Serial No. 592,288.

Hold-N-Mold

For Brassières, Corsets, and Foundation Garments.
Claims use since Jan. 3, 1950.

540,243. (Class 19. Vehicles.) Pak-Mor Manufacturing Company, San Antonio, Tex. Original filed, act of 1946, Principal Register, Feb. 27, 1950; amended to application, Supplemental Register, Nov. 29, 1950. Serial No. 593,137.

PAK-MOR

For Garbage Disposal Body Mounted on Truck Chassis.
Claims use since Oct. 20, 1948.

540,244. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Lawrence Products Company, Inc., Attalla, Ala. Original filed, act of 1946, Principal Register, Mar. 14, 1950; amended to application, Supplemental Register, Jan. 11, 1951. Serial No. 593,924.

WISE BUY

For Cotton Rugs.
Claims use since Apr. 11, 1949.

540,245. (Class 46. Foods and Ingredients of Foods.) J. Leo Dufour, Madawaska, Maine. Original filed, act of 1946, Principal Register, Mar. 29, 1950; amended to application, Supplemental Register, Dec. 30, 1950. Serial No. 594,832.

DO 4 WAYS

For Potatoes in Their Natural States.
Claims use since May 19, 1949.

540,246. (Class 21. Electrical Apparatus, Machines, and Supplies.) The Lennox Furnace Company, Marshalltown, Iowa. Filed Aug. 17, 1950, Serial No. 602,322.

Marsalis

For Portable Electric Fans.
Claims use since Jan. 1, 1946.

540,247. (Class 46. Foods and Ingredients of Foods.) Vagim Packing Co., Fresno, Calif. Original filed, act of 1946, Principal Register, Oct. 25, 1948; amended to application, Supplemental Register, Dec. 21, 1950, Serial No. 567,608.



For Dried Fruits.
Claims use since June 10, 1944.

540,248. (Class 46. Foods and Ingredients of Foods.) Vagim Packing Co., Fresno, Calif. Original filed, act of 1946, Principal Register, Oct. 25, 1948; amended to application, Supplemental Register, Dec. 21, 1950, Serial No. 567,609.



Applicant claims ownership of Registrations Nos. 397,035 and 424,127.
For Raisins.
Claims use since May 22, 1941.

540,249. (Class 46. Foods and Ingredients of Foods.) Wise Potato Chip Co., Berwick, Pa. Original filed, act of 1946, Principal Register, Dec. 2, 1948; amended to application, Supplemental Register, Nov. 29, 1950, Serial No. 569,789.



The drawing is lined for the colors red and blue. Applicant claims ownership of Registrations Nos. 322,718, 326,421, and 327,911.
For Potato Chips.
Claims use since June 15, 1939.

Service Marks

540,250. (Class 101. Advertising and Business.) Aubrey H. Whitelaw, doing business as Yankee Enterprises Associates, North Stonington, Conn. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, May 15, 1950. Serial No. 544,236.

Tell 'em and Sell 'em

For Services Preliminary to, or in Conjunction With Customers' Advertising—Namely, Editing of Advertising Copy and Placing Said Advertising Copy in the Correct Advertising Media.
Claims use since March 1947.

540,251. (Class 103. Construction and Repair.) Vernild G. Warner, New Orleans, La. Original filed, act of 1946, Principal Register, June 11, 1948; amended to application, Supplemental Register, Apr. 10, 1950. Serial No. 559,076.

ALL WEATHER HOUSE

For Residential Building Construction Services.
Claims use since May 17, 1948.

540,252. (Class 101. Advertising and Business.) Edward R. French, doing business under the name Top Tunes Company, Ocean City, N. J. Original filed, act of 1946, Principal Register, June 22, 1948; amended to application, Supplemental Register, May 2, 1950. Serial No. 559,960.

TOP TUNES
COMPANY

For Publicizing Original Songs Submitted by Amateurs and Advertising the Goods and Services of Sponsors Through the Medium of a Radio Program.
Claims use since June 4, 1948.

540,253. (Class 103. Construction and Repair.) Michael Lavelle, doing business as Authenticolor, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 5, 1948; amended to application, Supplemental Register, Mar. 7, 1950. Serial No. 562,863.

Authenticolor

For Color Photography Services—Namely, Taking, Developing and Printing of Colored Pictures; and Correcting and Retouching Colored Pictures and Prints.
Claims use since July 1, 1947.

540,254. (Class 105. Transportation and Storage.) Newtex Steamship Corporation, New York, N. Y. Filed Feb. 10, 1950. Serial No. 595,999.



For Passenger and Freight Steamship Transportation Service.
Claims use since May 18, 1947.

TRADE-MARK REGISTRATIONS RENEWED

35,849. WATERMAN'S IDEAL FOUNTAIN PEN N. Y. Registered Feb. 5, 1901. L. E. Waterman Company, New York, N. Y., a corporation of New York. Re-renewed Feb. 5, 1951. Fountain-Pens. Class 37.

36,465. BED ROCK. Registered May 21, 1901. Stanley Rule & Level Co. Re-renewed May 21, 1951, to The Stanley Works, New Britain, Conn., a corporation of Connecticut. Planes. Class 23.

80,168. "B & S" AND DESIGN. Registered Nov. 15, 1910. Bleecker & Simons. Re-renewed Nov. 15, 1950, to Bleecker & Simmons, Inc., New York, N. Y., a corporation of New York. Teas, Blended Coffee, and Spices. Class 46.

81,003. EUREKA. Registered Feb. 21, 1911. John G. Higgins. Re-renewed Feb. 21, 1951, to Lenora Higgins Dorsey, Chattanooga, Tenn. Toilet-Combs of Base Metal. Class 40.

81,312. "DOUBLE JET" ETC. Registered Mar. 21, 1911. The Turner Brass Works, Sycamore and Chicago, Ill. Re-renewed Mar. 21, 1951, to The Turner Brass Works, Sycamore, Ill., a corporation of Illinois. Gasolene-Operated Torches, Blowpipes and Heaters, Crucible-Furnaces, Etc. Class 34.

81,560. VAN CAMP. Registered Apr. 18, 1911. Van Camp Hardware & Iron Company, Indianapolis, Ind., a corporation of Indiana. Re-renewed Apr. 18, 1951. Garden Hose and Rakes, Etc. Class 23.

81,836. VAN CAMP. Registered May 9, 1911. Van Camp Hardware & Iron Company, Indianapolis, Ind., a corporation of Indiana. Re-renewed May 9, 1951. Hinges, Butts, Sash-Lifts, Door-Hinges, Screws, Etc. Class 13.

81,902. REPRESENTATION OF FOX HEAD. Registered May 16, 1911. National Starch Company, Jersey City, N. J., and New York, N. Y. Re-renewed May 16, 1951, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Laundry Starch. Class 6.

82,102. REPRESENTATION OF FOX HEAD. Registered May 30, 1911. National Starch Company, Jersey City, N. J., and New York, N. Y. Re-renewed May 30, 1951, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Edible Starch. Class 46.

141,301. TOLEDO. Registered Apr. 12, 1921. Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey. Renewed Jan. 5, 1948 (Supplemental Register). Weighing Scales, Weighing-Machines, Weighing Apparatus, Etc. Class 26.

269,054. SALPA. Registered Mar. 25, 1930. Società Invenzioni Brevetti Anonima-Torino, Turin, Italy. Renewed Mar. 25, 1950, to Pirelli Sapsa S. p. A., Sesto San Giovanni, Italy, a corporation organized under the laws of Italy. Material Made From Scraps of Real Leather From Which May Be Manufactured Various Articles. Class 1.

272,936. ZODIAC. Registered July 15, 1930. George V. Foltz, doing business as Foltz Tea and Coffee Co. Renewed July 15, 1950, to Foltz Tea and Coffee Co., New Orleans, La., a firm. Coffee, Tea, Cocoa, and Spices. Class 46.

273,072. "SLEEPING BEAUTY" ETC. AND DRAWING. Registered July 22, 1930. Harry Mantefur, doing business as Mantefur Mattress Company. Renewed July 22, 1950, to Mantefur Mattress Co., Philadelphia, Pa., a firm. Mattresses. Class 32.

274,258. PARK LANE. Registered Aug. 26, 1930. Halberstadt & Co. Inc. Renewed Aug. 26, 1950, to Schoenfeld & Wolf, Inc., New York, N. Y., a corporation of New York. Ladies' Pocket-Books, Purses, and Empty Vanities of Leather and Textile Fabric and Combinations Thereof. Class 3.

275,230. CHELF'S C. C. COMP'D 4 C'S. Registered Sept. 16, 1930. Chelf Chemical Company, Richmond, Va. Renewed Sept. 16, 1950, to Chelco Corporation, Petersburg, Va., a corporation of Virginia. Nerve Sedative, Febrifuge, Laxative, and Diuretic. Class 18.

275,252. "A FLOORCRAFTERS—FLOORING" ETC. AND DESIGN. Registered Sept. 16, 1930. Selby, Battersby & Company, Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 16, 1950. Materials for Plastic and Mastic Floor Coverings, Etc. Class 12.

275,373. CHILLETS. Registered Sept. 23, 1930. New England Fish Company, Seattle, Wash., a corporation of Maine. Renewed Sept. 23, 1950. Fish—Namely, Fresh, Chilled, Frozen and Canned Fish (Whole and in Steaks and Fillets). Class 46.

275,562. GREETINGS. Registered Sept. 23, 1930. Kauai Pineapple Company, Ltd., Kalaheo, Territory of Hawaii, a corporation of the Territory of Hawaii. Renewed Sept. 23, 1950. Canned Fruits—Namely, Pineapple; Canned Pineapple Juice for Food Purposes. Class 46.

277,675. "KICKER TOE" ETC. AND DRAWING. Registered Nov. 25, 1930. The Lima Cord Sole and Heel Company. Renewed Nov. 25, 1950, to Gro-Cord Rubber Company, Lima, Ohio, a corporation of Ohio. Soles Made or Formed of a Combination of Rubber and Fabric for Shoes. Class 39.

277,809. RITZ. Registered Nov. 25, 1930. Eagle Clothes. Renewed Nov. 25, 1950, to Eagle Clothes, Inc., New York, N. Y., a corporation of New York. Men's Clothing—Namely, Overcoats, Topcoats and Suits. Class 39.

277,810. HYLO. Registered Nov. 25, 1930. Eagle Clothes. Renewed Nov. 25, 1950, to Eagle Clothes, Inc., New York, N. Y., a corporation of New York. Men's Clothing—Namely, Overcoats, Topcoats and Suits. Class 39.

277,878. BESTOLA. Registered Dec. 2, 1930. Globe Grain & Milling Co., Los Angeles, Calif. Renewed Dec. 2, 1950, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Oil Shortening. Class 46.

278,423. "DR SCHOLL'S ZINO-PADS" AND DRAWING. Registered Dec. 16, 1930. The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Renewed Dec. 16, 1950. Adhesive Medicated Shields or Pads for Corns. Class 18.

279,115. ARBELLA. Registered Jan. 6, 1931. D. C. Percival & Co. Inc., Boston, Mass., a corporation of Massachusetts. Renewed Jan. 6, 1951. Diamond-Set Jewelry—Namely, Rings and Pendants. Class 28.

279,257. DUOL. Registered Jan. 13, 1931. The Grasselli Chemical Company, Cleveland, Ohio. Renewed Jan. 13, 1951, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Dry Colors for Inks. Class 11.

279,273. DUOL. Registered Jan. 13, 1931. The Grasselli Chemical Company, Cleveland, Ohio. Renewed Jan. 13, 1951, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Dry Colors for Paints. Class 16.

279,642. GOOD LUCK. Registered Jan. 20, 1931. John F. Jelke Company, Chicago, Ill. Renewed Jan. 20, 1951, to Lever Brothers Company, New York, N. Y., a corporation of Maine. Oleomargarine. Class 46.

279,708. SUNDELLA. Registered Jan. 20, 1931. B. B. & R. Knight Corporation. Renewed Jan. 20, 1951, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island. Textiles—Namely, Fabrics Made of Cotton, Etc. Class 42.

279,911. WILLSONITE. Registered Feb. 3, 1931. Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania. Renewed Feb. 3, 1951. Ophthalmic Protection Lenses. Class 26.

280,121. COLORGRAPH. Registered Feb. 10, 1931. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Feb. 10, 1951. Strip-Steel Strapping. Class 13.

280,714. RELGAH. Registered Feb. 24, 1931. Sam Hagler, doing business as Relgah Perfumers, New York, N. Y. Renewed Feb. 24, 1951, to Associated Brands, Inc., Brooklyn, N. Y., a corporation of New York. Hair Tonic, Peroxide of Hydrogen, Cold Cream, Etc. Class 51.

280,987. "INTERNATIONAL" ETC. AND DESIGN. Registered Mar. 3, 1931. The International Postal Supply Company, Brooklyn, N. Y., a corporation of New York. Renewed Mar. 3, 1951. Stamp-Canceling Machines, Postage-Metering Machines, Sealing Machines, Etc. Class 23.

281,026. AMIDEX. Registered Mar. 10, 1931. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 10, 1951. Starches and Dextrins for Sizing Purposes. Class 6.

281,062. "GREAT SEAL" ETC. AND DESIGN. Registered Mar. 10, 1931. The Styron-Beggs Company, Newark, Ohio, a corporation of Ohio. Renewed Mar. 10, 1951. Oxide of Zinc, Alum, Ammonia, Etc. Class 51.

281,109. AIRLITE. Registered Mar. 10, 1931. J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Mar. 10, 1951. Coats, Vests, Trousers, Etc. Class 39.

281,322. "ARROWCRAFT" AND REPRESENTATION OF ARROW. Registered Mar. 17, 1931. Pi Beta Phi, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn., a not for profit corporation of Illinois. Renewed Mar. 17, 1951. Textile Goods—Namely, Rugs, Towels, Pillow Covers, Etc. Class 42.

281,581. PROPELLAIR. Registered Mar. 24, 1931. Propellair, Inc., Columbus, Ohio. Renewed Mar. 24, 1951, to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio. Electric Fans for Ventilating Purposes. Class 21.

281,768. REPRESENTATION OF FOLDING RULE LINED FOR GREEN. Registered Mar. 31, 1931. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Mar. 31, 1951. Rules. Class 26.

281,962. STRAND. Registered Apr. 7, 1931. International Silver Company. Renewed Apr. 7, 1951, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Flatware, Consisting of Silver-plated Spoons, Ladles, Forks, and Knives. Class 28.

282,361. DARILAN. Registered Apr. 21, 1931. Davies, Rose & Company, Limited, Boston, Mass., a corporation of Massachusetts. Renewed Apr. 21, 1951. Ointment for Skin Irritations, Eruptions, Abrasions, Etc. Class 18.

283,209. "ALPHA" ETC. Registered May 19, 1931. The Alpha Tank & Sheet Metal Mfg. Co., St. Louis, Mo., a corporation of Missouri. Renewed May 19, 1951. Boiler Breechings; Unit Air Heaters in Which the Heating Medium Is Steam, Etc. Class 34.

283,374. SHARPEX. Registered May 26, 1931. Guth, Stern & Co. Inc., New York, N. Y., a corporation of New York. Renewed May 26, 1951. Mechanical Razor-Blade Sharpeners. Class 23.

283,620. TRITEX CRYSTALS. Registered June 2, 1931. National Milling & Chemical Co., Inc., Manayunk, Philadelphia, Pa. Renewed June 2, 1951, to National Milling & Chemical Co., Philadelphia, Pa., a corporation of Pennsylvania. Alkali for General Cleansing Purposes. Class 52.

283,621. PROTEXAL. Registered June 2, 1931. National Milling & Chemical Co., Inc., Manayunk, Philadelphia, Pa. Renewed June 2, 1951, to National Milling & Chemical Co., Philadelphia, Pa., a corporation of Pennsylvania. Alkali for General Cleansing Purposes. Class 52.

283,627. CON--FERRO. Registered June 2, 1931. Con-Ferro Paint & Varnish Company, St. Louis, Mo. Renewed June 2, 1951, to Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware. Ready-Mixed Paints, Paint Enamels, Paint Stipple Wall Finish, Paste, Dry-Paint Pigments, Etc. Class 16.

283,647. VIMPEP. Registered June 2, 1931. Phillips Sales Company, Inc. Renewed June 2, 1951, to Phillips Packing Company, Inc., Cambridge, Md., a corporation of Maryland. Canned Vegetables. Class 46.

283,654. REPRESENTATION OF THREE PARALLEL LINES WITHIN CIRCLE. Registered June 2, 1931. The Formica Insulation Company. Renewed June 2, 1951, to The Formica Company, Cincinnati, Ohio, a corporation of Ohio. Gears, Gear Blanks. Class 23.

283,766. PING-PONG. Registered June 9, 1931. Parker Brothers, Inc., Salem, Mass., a corporation of Maine. Renewed June 9, 1951. Bats and Rackets of the Tennis Type for Games. Class 22.

283,767. PING-PONG. Registered June 9, 1931. Parker Brothers, Inc., Salem, Mass., a corporation of Maine. Renewed June 9, 1951. Hollow Composition and Like Balls for Indoor Bat or Racket Games, Table Games, Tennis-Type Games, and the Like. Class 22.

283,780. "COLGATE'S CHARMIS COLD CREAM" AND DRAWING LINED FOR BLUE AND YELLOW. Registered June 9, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed June 9, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Face Cream. Class 51.

283,814. "PALMOLIVE AFTER SHAVING TALC" AND DRAWING LINED FOR GREEN AND YELLOW. Registered June 9, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed June 9, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Talc Powder. Class 51.

283,837. PYROCIDE NO. 20. Registered June 9, 1931. McLaughlin Gormley King Company, Minneapolis, Minn., a corporation of Minnesota. Renewed June 9, 1951. Concentrated Extract for Use in Insecticides. Class 6.

283,904. MILADY. Registered June 9, 1931. Russell Playing Card Company, Jersey City, N. J. Renewed June 9, 1951, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

283,959. JU-CY PIG. Registered June 9, 1931. Triple "XXX" Company. Renewed June 9, 1951, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas. Sandwiches and Condiment Sauce Suitable for Use in Sandwiches. Class 46.

284,059. RO-LON. Registered June 16, 1931. Freeman-Daughaday Company, Providence, R. I. Renewed June 16, 1951, to Swank, Inc., Attleboro, Mass., a corporation of Delaware. Tie Grips and Tie Holders Made of or Plated With Precious Metals. Class 28.

284,184. THUR-MA-LOX. Registered June 16, 1931. Hurlox Manufacturing Co. Inc., Rockaway, N. J. Renewed June 16, 1951, to Raymond D. Bitzer, Philadelphia, Pa. Paints in Dry Form Accompanied by the Vehicle in Part of the Container and in Dry Form Without the Vehicle. Class 16.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

367,419. PENOLEAD. Registered May 16, 1939. Standard Oil Company of New Jersey, Wilmington, Del. Lubricating Grease. Class 15. The drawing is hereby amended to appear as follows:

PEN-O-LED

371,802. A "SURE-REST" PRODUCT. Registered Oct. 10, 1939. Sure Rest Bedding Co., Newark, N. J. Mattresses, Springs, Pillows, Gliders, Etc. Class 32. Amended as follows. In the statement, line 7, "pillows" is deleted.

438,695. "DEPOLATRON" AND DESIGN. Registered May 11, 1948. College of Electronic Medicine, San Francisco, Calif. Electromagnetic-Field Generators for Therapeutic Purposes and Intended for Use Mainly in the Treatment of Inflammatory Conditions Due to Trauma. Class 44. Corrected as follows: In the certificate, lines 2 and 15; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, after "Medicine," *Blanche and Jeanne R. Abrams Memorial Foundation* should be inserted.

508,876. "ONE HOUR VALET" AND DESIGN. Registered Apr. 19, 1949. One Hour Valet, Inc., Jacksonville, Fla. Laundry and Dry Cleaning. Class 106 (formerly Class 55). Corrected as follows: In the certificate, line 3; and in the statement, line 2, "Florida" should be *Delaware*.

516,759. "TRANSIT" AND DESIGN. Registered Oct. 25, 1949. Floyd O. Bowers, Lansing, Mich. Game Board on Which May Be Played a Game Simulating an Automobile Trip. Class 22. Corrected as follows: In the statement, lines 7 and 8, "a game simulating an automobile trip" should be *the game of squares*.

530,421. SATINTONE. Registered Sept. 5, 1950. Chicago Printed String Company, Chicago, Ill. Ribbon-Like Tying Material Made of Rayon. Class 7. Corrected as follows: In line 1 of the heading to the inner sheet of the Certificate of Registration "Reissued" should be *Registered*; and in the statement, line 6, before "all" *together with Charles Weiner and Isaac Wagner as trustees under Charles Vogl Trust No. 2 and as trustees under Ruth Vogl Trust No. 2, and Otto Vogl and Edward Graff as trustees under Margaret Weiner Trust No. 2, and as trustees under George Weiner Trust No. 2*, should be inserted.

534,825. STOLLWERCK. Registered Dec. 12, 1950. A. N. Stollwerck, Inc., Camden, N. J. Chocolate and Cocoa Butter Sold to the Confectionery, Bakery, and Food Products Trade. Class 46. Corrected as follows: In the statement, column 2, lines 6 and 8, "1894" should be *1928*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

329,220. TRIUMPH. Registered Oct. 22, 1935. James J. McCarthy, doing business as Triumph Mfg. Company. Radio and Television Testing Apparatus. Class 26. New certificate under section 7(c) issued Mar. 27, 1951, to Triumph Mfg. Co., Chicago, Ill., a corporation of Illinois.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 285,669. Registered Aug. 4, 1931. W. A. Fingles, Inc., Baltimore, Md. Republished by C. G. Hussey & Company, Division of Copper Range Company, Pittsburgh, Pa., a corporation of Michigan.

MAJESTIC

For Certain Articles Used in Building Construction—To Wit, Flashing and Skylights.
Claims use since Mar. 15, 1930.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 317,165. Registered Sept. 18, 1934. Charles Ellwood Shiffer, doing business as Cathomint Co., Cleveland, Ohio. Republished by Dr. Shiffer's Laboratories, Inc., Cleveland, Ohio, a corporation of Ohio.

CATHOMINT

For Laxative Mints and Pills.
Claims use since Apr. 4, 1931.

Reg. No. 359,242. Registered Aug. 9, 1938. McNeil Drug Company, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla., a corporation of Florida. Republished by registrant.



The words "Liniment" and "Brand" are disclaimed apart from the mark as shown.
For Liniment for Local Application for Sprains, Bruises, and Muscular Cramps Due To Exposure and Fatigue, and for Simple Neuralgia.
Claims use since 1918.

Reg. No. 359,272. Registered Aug. 9, 1938. McNeil Drug Company, doing business as McNeil Drug Co. Inc., Jacksonville, Fla., a corporation of Florida. Republished by registrant.



For Pills for Relief of Occasional Constipation and Headache and Biliousness Due To This Condition.
Claims use since 1908.

Reg. No. 360,526. Registered Sept. 20, 1938. McNeil Drug Company, doing business as McNeil Drug Co. (Inc.), Jacksonville, Fla., a corporation of Florida. Republished by registrant.



The words "Remedy" and "Brand" are disclaimed apart from the mark as shown.
For Alterative Compound for the Relief of the Discomforts of Muscular Aches and Pains.
Claims use since Jan. 1, 1901.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 443,899. Registered Apr. 11, 1950. Kiddicraft Limited, Purley, Surrey, England, a corporation of Great Britain. Republished by registrant.

KIDDICRAFT

For Rattles; Farmyard Dominoes; Pull Along Trains; Posting Boxes—i. e., Two-Part Containers Having a Number of Differently Shaped Holes Through Its Top and a Number of Pieces of Different Geometrical Forms Intended To Fit Into Its Corresponding Hole; Bath Toys; Instructional Letters; Farmyards; Jig Saw Puzzles; Toy Construction Blocks; Animal Frets; Wagons of Cubes; Nesting Blocks; Pyramid Rings; Stringing Beads; Noah's Arks; Pegs and Squares; Size and Color Sorting Toys; Script Letters; Play Clocks; Giant Mosaics; Nursery Rhyme Play Trays.
Claims use since June 1933.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 49,516. Registered Feb. 6, 1906. Chicago Tubing & Braiding Co., Chicago, Ill. Republished by Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois.

REX

For Flexible Tubing.
Claims use since Oct. 1, 1903.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 382,401. Registered Oct. 29, 1940. Coast-To-Coast Publishing Co., Inc., New York, N. Y. Republished by Everywoman's Magazine, Inc., New York, N. Y., a corporation of Delaware.

Everywoman's

For Magazine.
Claims use since Dec. 20, 1939.

CLASS 39

CLOTHING

Reg. No. 305,554. Registered Aug. 22, 1933. Alfred E. Sauter, doing business as Sauter Brothers, New York, N. Y. Republished by Stadium Manufacturing Company, Inc., Baltimore, Md., a corporation of Maryland.

BALLOON SEAT

The word "Seat" is disclaimed apart from the mark as shown.
For Infants' and Children's Pajamas.
Claims use since Feb. 17, 1933.

Reg. No. 377,600. Registered May 7, 1940. Eagle Clothes, New York, N. Y. Republished by Eagle Clothes, Inc., New York, N. Y., a corporation of New York.

EVER-BREEZE

For Men's and Boys' Overcoats, Topcoats, Suits, Trousers, Slacks, Sport-Jackets, and Vests.
Claims use since Sept. 14, 1936.

Reg. No. 444,308. Registered Nov. 14, 1950. Desmond's, Los Angeles, Calif., assignor to Desmonds, Inc. Republished by Desmond's, Inc., Los Angeles, Calif., a corporation of California.

FLEXI-CROWN

The word "Crown" is disclaimed apart from the mark as shown.

For Military Caps.

Claims use since Aug. 1, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 169,305. Registered June 12, 1923. Kings County Packing Co., Armona, Calif. Republished by Kings County Packing Company, Ltd., San Francisco, Calif., a corporation of California.

BLUE FEATHER

For Canned Fruits.

Claims use since 1916.

Reg. No. 204,052. Registered Oct. 6, 1925. De Witt P. Henry Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The word "Nuts" is disclaimed apart from the mark as shown.

For Candy.

Claims use since Apr. 17, 1925.

Reg. No. 222,933. Registered Jan. 11, 1927. Emery & Kavanagh Co., Los Angeles, Calif. Republished by Jones & Kavanagh Co., Ltd., Los Angeles, Calif., a firm.

WHITE HOUSE

For Fresh Grapes and Fresh Lettuce.

Claims use since Apr. 1, 1926.

Reg. No. 386,087. Registered Mar. 25, 1941. House of Herbs, Inc., Canaan, Conn., a corporation of Connecticut. Republished by registrant, present address, Salisbury, Conn.

JUNIPER HILLS

For Food Product—Namely, Vinegar.

Claims use since Oct. 19, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 226,735. Registered Apr. 19, 1927. Corning Distilling Co., Peoria, Ill. Republished by The Old Quaker Company, New York, N. Y., and Lawrenceburg, Ind., a corporation of Maryland.



For Whiskey.

Claims use since 1878.

Reg. No. 310,401. Registered Feb. 27, 1934. Buffalo Springs Distilling Company, Incorporated, Stamping Ground, Ky. Republished by The Geo. T. Stagg Company, New York, N. Y., and Frankfort, Ky., a corporation of Kentucky.



For Whiskey.

Claims use since 1897.

Reg. No. 318,362. Registered Oct. 23, 1934. The Geo. T. Stagg Company, Frankfort, Ky., a corporation of Kentucky. Republished by registrant.

KENTUCKY CREST

For Whiskey.

Claims use since June 27, 1934.

Reg. No. 322,711. Registered Mar. 19, 1935. Manuel Marin & Co., Mayaguez, P. R. Republished by Licoreria Marin Inc., Mayaguez, P. R., a corporation of Puerto Rico.



The word "Anis" is disclaimed apart from the mark as shown.

For Alcoholic Cordials.

Claims use since on or about Apr. 26, 1934.

REISSUES

MARCH 27, 1951

23,348
WALKER
Edgar E. Doerschler, Takoma Park, Md.
Original No. 2,526,205, dated October 17, 1950, Serial No. 108,107, August 2, 1949. Application for reissue January 2, 1951, Serial No. 203,850
2 Claims. (Cl. 128—94.5)



1. A solid, unitary walking support for the lower extremity of a cast-encased leg, having a substantially flat surface adapted to be placed under and in contact with the sole part of the cast, an outwardly-arcuate surface adapted to engage the ground and being substantially coextensive with the flat surface longitudinally thereof and having such a configuration that the most extended part thereof is closer to one end of the support than the other, and side walls converging from the arcuate surface toward but not to the flat surface leaving an overhanging part at each side of the support extending longitudinally of the support.

23,349
STAPLE FEED MECHANISM FOR FASTENER APPLYING IMPLEMENTS
Herbert W. Marano, Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Original No. 2,528,444, dated October 31, 1950, Serial No. 83,750, March 26, 1949. Application for reissue December 12, 1950, Serial No. 200,321
3 Claims. (Cl. 1—3)

1. In a stapling machine, a staple slide having a top wall, a guide rod secured beneath said top wall, and a series of longitudinally extending openings extending through said top wall to provide access from the underside of said staple slide



to a plurality of staples straddling said slide, said openings being wider than said rod.

23,350
ANTISPLASH HEEL
Curry Ora Walper, Kitchener, Ontario, Canada
Original No. 2,452,883, dated November 2, 1948, Serial No. 644,373, January 30, 1946. Application for reissue July 26, 1950, Serial No. 176,085
11 Claims. (Cl. 36—70)

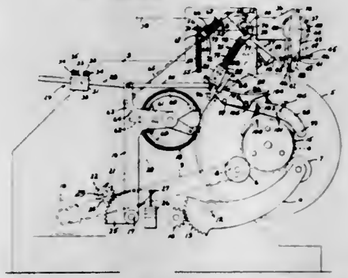


11. In a heel for an article of footwear including a tread body portion having a tread surface, said surface having a cavity at the forward inner corner of said tread surface, said cavity having a wall extending from the breast of the body portion to the side of the body portion whereby an external corner is formed at the breast, near to the junction of the breast and the side of the body portion at the union of the tread surface, wall and breast, and whereby an external corner is formed at the side, near to the junction of the side and the breast of the body portion at the union of the tread surface, wall and side, said cavity having a ceiling extending from the upper limits of said wall to said junction, said ceiling forming a water casting element and terminating at said junction in a tapered terminus, the outer walls of said water casting element lying substantially in the planes of the breast and the side of the body portion, and said terminus being located on a line with the angle between the breast of the body portion and the side of the body portion, and being spaced from said wall.

PATENTS

GRANTED MARCH 27, 1951

2,546,141
WARP BEAM STOPPING MECHANISM
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 27, 1948, Serial No. 46,534
13 Claims. (Cl. 28—50)



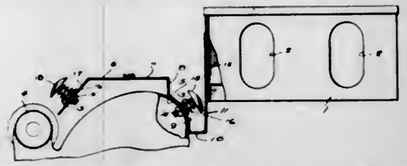
1. In a beaming apparatus comprising a flanged beam, means for rotating the beam, a rotatable compressor roll, means for mounting the roll swingable about an axis outside its periphery, and means for urging the roll toward the center of the beam into a position of rest against the outer of any windings thereon, the combination with a braking system comprising a brake drum secured for rotation with the beam, a brake lever, a brake shoe carried by the lever, a rotatable brake shaft, means for rotating the shaft to apply the brake, a linkage between the shaft and the lever to apply the brake upon rotation of the shaft, and means for varying the position of connection between the linkage and the lever in dependence on the diameter of winding on the beam.

2,546,142
ELECTRICAL HEATING ROD AND METHOD OF MAKING SAME
George R. Watson, Chippawa, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application March 30, 1950, Serial No. 152,977
5 Claims. (Cl. 201—63)

1. Method of making cold ends for silicon carbide electrical heating rods which comprises placing a mixture of silicon and boride selected from the group consisting of carbon, titanium and zirconium borides and mixtures thereof adjacent a length of recrystallized silicon carbide and heating the mixture to a top temperature between 1800° C. and 2600° C., the percentage of boron on the silicon by weight in the mixture being between 0.078% and 5%.

2,546,143
UNIVERSAL SUPPORT FOR TYPEWRITER PAPER
Alvin Z. Bailey, Yellow Springs, Ohio
Application March 11, 1949, Serial No. 80,983
7 Claims. (Cl. 197—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A paper holder for typewriters comprising a container provided with one or more keyhole slots in a sidewall thereof, a bracket including a vertical portion and an inclined portion, one or more headed pins on the vertical portion of the bracket for cooperation with the keyhole slots,



and means on the inclined portion of the bracket for securing the same to the paper rest of a typewriter.

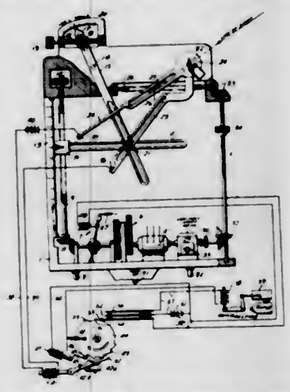
2,546,144
FOLDING DISPLAY
Bertha Bartnick, Chicago, Ill.
Application July 11, 1947, Serial No. 760,275
4 Claims. (Cl. 223—84)



1. A folding display formed of a single sheet of material, comprising a base portion at one end having an upward projection, an enlarged portion at the other end connected to the base by an integral strip of material, the enlarged portion foldable over the projection, and interengaging means comprising opposite transversely extending circular cuts in the enlarged portion and the projection for rotating the enlarged portion relatively with respect to the projection when held in position thereon.

2,546,145
BOMB SIGHTING DEVICE
Oscar Boonshoft, Dayton, Ohio
Application September 13, 1944, Serial No. 553,852
19 Claims. (Cl. 33—46.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a bomb sight for aircraft, a support, a sighting member movably carried by said support for sighting alignment with an approaching selected target, adjustable driving means for uniformly moving said sighting member to maintain the line of sight fixed on the target during said approach thereto when said support is moving directly toward the target at a uniform rate and elevation, closing speed period determining means comprising a second member adjustably mounted on the support for engagement with said sighting member, means for adjusting said second member with respect to said sighting member to predetermined positions on said support for predetermined altitudes of said support, second member moving means for moving said second member on said support in the direction of movement of the sighting member at a predetermined initially greater rate subsequently decelerating to less than the rate of movement of said sighting



member to first cause movement of said members away from each other and then toward each other, means operable upon predetermined relative movement of said sighting member toward said second member for initiating the operation of said second member moving means, and bomb release means operable upon subsequent predetermined relative movement of said sighting member toward said second member.

2,546,146
REEL FOR MOTION-PICTURE FILM
Vincent J. Popoli, Ayer, Mass.
Application May 9, 1947, Serial No. 747,047
5 Claims. (Cl. 242—70)



3. A film, ribbon or wire winding reel comprising a pair of spaced separable discs, an annular film guiding hub on each disc, said hubs being concentric but of different diameters, the smaller hub fitting in the larger, means to detachably secure the discs together for taking up film, ribbon or wire on the larger hub in a roll, the discs being separable and the wound roll transferable to the smaller hub for unwinding from the inside of the roll, and means on the smaller hub to receive and hold an end of the strip.

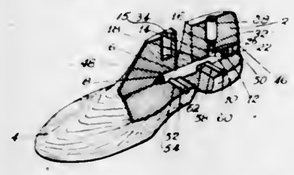
2,546,147
FREQUENCY DISTINGUISHING DEVICE
Lawrence W. Boothby, Alexandria, Va.
Application August 29, 1945, Serial No. 613,410
5 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In a superheterodyne receiving system including an antenna therefor, an input circuit connecting said receiving system to said antenna comprising, a coaxial line, a T connection in said line, the leg of said T connection comprising a calibrated adjustable series-resonant coaxial



stub line bent into substantially circular form, shorting means adapted to rotate within said stub to adjust the electrical length of said stub, and means for switching said stub line effectively in and out of said circuit.

2,546,148
LAST
Augustus M. Bowzer, Lynn, Mass., assignor of one-half to Daniel Warren Lewis, Nahant, Mass.
Application September 14, 1945, Serial No. 616,171
24 Claims. (Cl. 12—135)

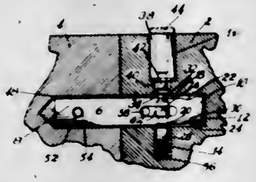


1. A last comprising non-metal heel and toe members, means connecting the members for relative slidable movement in the heel-toe direction constituted of two alined cylindrical bores, one in each of the members, extending in the heel-toe direction and a single tubular metal shell one end of which is mounted in the bore of one of the members and the other end of which is mounted to slide back and forth in the heel-toe direction in the bore of the other member, and means cooperating with the shell to prevent relative rotation of the shell in the said bore of the said other member about the axis of the shell, the shell being rigid with the said one member in order to prevent relative movement of the members in a direction at right angles to the said axis, thereby to prevent relative movement of the members except relative slidable movement in the heel-toe direction.

2,546,149
LATCH
Augustus M. Bowzer, Lynn, Mass., assignor of one-half to Daniel Warren Lewis, Nahant, Mass.
Application September 19, 1945, Serial No. 617,266
2 Claims. (Cl. 16—1)

1. In a member having a hole with a portion having a closed end and a portion having an open end of larger width than the width of the closed end, a thimble fitted in the portion with the open end and having a perforated end disposed adjacent to the junction of the hole portions, a latch plunger slidably mounted in the portion with the closed end, the plunger having latch means and guiding means respectively of

different widths and having also a stop and a portion projecting into the perforation of the thim-



ble, and a spring at the closed end of the hole for yieldingly maintaining the plunger with its stop in engagement with the thimble end.

2,546,150
METHOD FOR SECURING ADHESION OF ELECTROPLATED COATINGS TO A METAL BASE

Abner Brenner, Chevy Chase, Md., Polly S. Burkhead, Bethlehem, Pa., and Grace E. Riddell, Washington, D. C., assignors to the United States of America as represented by the Secretary of War

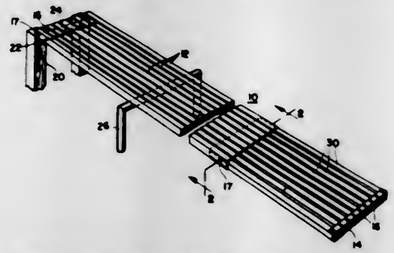
No Drawing. Application November 8, 1946, Serial No. 708,567
20 Claims. (Cl. 204—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of improving the adhesion to a cobalt base of an electrolytically codeposited alloy of tungsten and a metal of the group consisting of iron, nickel and cobalt, which method comprises the steps of making the cobalt base an electrode in an electrolytic bath from which one of said tungsten alloys can be plated upon said base and passing alternating current at a current density of from about 0.25 to 1 ampere per square decimeter through said bath and through said base for from about five seconds to several minutes immediately prior to codepositing the alloy from said bath upon said base by passage of direct current through the bath and through the base.

2,546,151
SPRINGBOARD

Norman Buck, Seattle, Wash.

Application June 30, 1948, Serial No. 36,099
2 Claims. (Cl. 272—66)

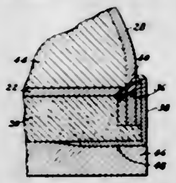


1. A diving board device comprising a fulcrum; an elongated metallic springboard element fixedly secured at one end portion, supported intermediate its length by said fulcrum, and terminating at the other end portion thereof in a plurality of longitudinally extending rectangular passageways, said springboard element comprising a plurality of longitudinally extending metallic flexible elements positioned alongside each other, and normally lying substantially in a common horizontal plane, and laterally extending securing means securing said longitudinally extending metallic elements together against independent flexing movement; and a second springboard element connected with said first springboard element comprising a plurality of metallic flexible rectangular tubular members positioned alongside each other, normally lying substantially in a common horizontal plane, and having their end portions telescopically disposed in said rectangular passageways in said first springboard element and laterally extending securing means securing said tubular members together against independent flexing movement.

2,546,152
PLATFORM SHOE AND METHOD OF MAKING THE SAME

James D. Chandler, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 28, 1948, Serial No. 23,688
8 Claims. (Cl. 12—142)

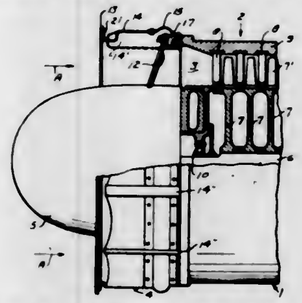


1. That improvement in methods of making platform shoes which consists in securing a layer of thin flexible material to the inner surface of a platform sole with the marginal portions of said layer and sole substantially coextensive, rabbeting the marginal portion of the platform sole below said flexible layer thereby causing said layer to overlie the rabbet, and securing an upper and a wrapper strip to the portion of said flexible layer overlying the rabbet by stitches located substantially at the edge of the platform sole and passing through said wrapper strip, upper and flexible layer without penetrating the platform sole.

2,546,153
RETRACTABLE AIR INLET SCREEN FOR AIRCRAFT GAS TURBINES

James E. De Remer, Yellow Springs, Ohio

Application April 19, 1949, Serial No. 88,473
7 Claims. (Cl. 183—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft gas turbine assembly including an air compressor to receive atmospheric air entering through an annular air inlet structure at the forward end of the assembly and extending a substantial distance lengthwise of said assembly, a plurality of rigid air inlet screen elements of generally arcuate shape in plan to conjointly form a ring-like structure for disposition within said annular air inlet structure in an air screening position intermediate of the ends and transversely of the length of said structure for screening all air passing through said air inlet structure, means at the outer circumferential surface of said air inlet structure for pivotally mounting said screen elements, and remote control means for moving said screen elements about said pivotal mounting means whereby each of said screen elements may be retracted away from the air screening position aforesaid to retracted positions adjacent to and substantially parallel to the outer circumferential surface of said annular air inlet structure.

2,546,154
GAUGE

Irvine C. Gardner, Chevy Chase, Md.

Application August 10, 1944, Serial No. 548,878
2 Claims. (Cl. 33—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

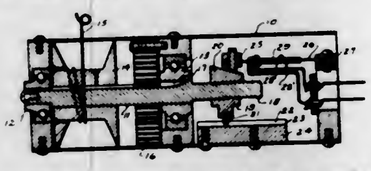


1. A gage comprising a columnar portion having spherical surfaces at each end, the radii of curvature of said spherical surfaces being different, the centers of curvature of said spherical surfaces being spaced apart in a straight line, said straight line coincident with the longitudinal axis of said columnar portion and intersecting the centers of areas of the two spherical surfaces, and the one of said spherical surfaces which has the greater radius of curvature having a radius of curvature equal to half the maximum distance between the two spherical surfaces.

2,546,155
DEFLECTION INDICATOR

Bernard D. Haber, Dayton, and Edward K. Coats, Xenia, Ohio

Application September 3, 1947, Serial No. 771,956
2 Claims. (Cl. 33—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

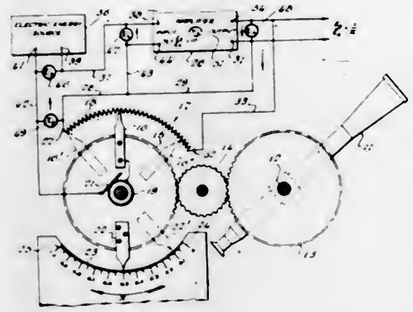


1. A device for measuring and remotely indicating the local deflection of a large structure such as an aircraft wing under static loading comprising a casing, a shaft journalled for rotation in said casing, a reel mounted on said shaft, a cord wound on said reel and adapted to have its free end connected to the structure at the point where the deflection is to be measured, rotation of said reel by the cord rotating the shaft an amount proportional to the deflection to be measured, a screw formed on said shaft, means engaging said screw and adapted to be axially displaced by rotation of the screw said means including a cam, a beam member mounted in said casing and engaging said cam to be deflected thereby in proportion to rotation of said shaft and screw, a resistance type strain gauge mounted on said beam member, and electrical indicating means including a bridge circuit connected to said strain gauge and adapted to indicate at a remote point the change in resistance of said strain gauge in terms of the deflection to be measured.

2,546,156
COMPUTER APPARATUS

Herbert Harris, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application November 30, 1944, Serial No. 565,964
8 Claims. (Cl. 250—27)



1. In combination, an amplifier having an input circuit and an output circuit, an electric energy source coupled to said input circuit for supplying an electric signal to said amplifier, a transformer having a primary winding coupled to said output circuit to be energized by said amplifier and a secondary winding coupled to said amplifier input circuit to supply thereto a negative feedback signal in addition to the signal supplied by said source, said transformer having a positionally adjustable variable coupling element therein for varying the transfer coupling between said primary winding and said secondary winding, and means for supplying to said input circuit a signal derived from said amplifier output circuit and attenuated by a factor equal to the amplification factor of said amplifier, said last-named signal being supplied to said input circuit in phase opposition to said variable transformer feedback signal.

2,546,157
LOCKING MEANS FOR ADJUSTABLE TELESCOPIC MEMBERS

William G. Hume, Lancaster, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y., a corporation of Delaware

Application April 1, 1949, Serial No. 84,992
6 Claims. (Cl. 287—58)

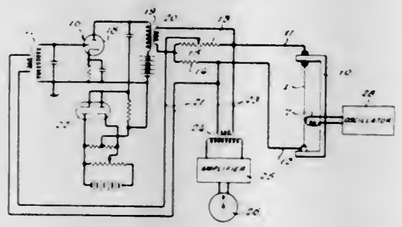
1. Adjustable locking means for telescopic rod sections comprising an eccentric sleeve secured

over the end of one telescopic tubular rod section, a second rod section slidable within the aforementioned tubular rod section, a cylindrical sleeve enveloping both of said rod sections and surrounding said eccentric sleeve, said cylindrical sleeve having an inwardly directed flange on one end extending laterally over the end of said first mentioned tubular rod section and the eccentric



sleeve thereon and terminating in an eccentric inner annular face operative to establish rotative sliding contact with the surface of said second mentioned rod section, and means for confining said cylindrical sleeve for movement about said eccentric sleeve for wedging said eccentric inner annular face into binding relation with said second mentioned rod section.

2,546,158
GYROSCOPIC INSTRUMENT
Montgomery H. Johnson, Boston, Mass., assignor to The Sperry Corporation, a corporation of Delaware
Application September 30, 1944, Serial No. 556,525
12 Claims. (Cl. 264—1)



10. A gyroscopic device comprising an elongated, wire-like element having electrical conducting properties, said element being supported at its ends in a manner to permit free vibration thereof, means for creating a motor field about said element, means for supplying to said element an alternating current of a frequency substantially corresponding to the natural period of said element whereby to produce vibration of said element at substantial resonance in some one plane, and an impedance bridge circuit including said element in one branch thereof, the output of said current-supplying means being connected across one diagonal of said bridge and the output of said bridge from across its other diagonal being connected to control said current-supplying means, means for creating a second, alternating electromagnetic field about said element of a frequency differing from that of the motor field, and means connected across said element and responsive to the magnitude and phase sense of the voltage induced in said element through interaction thereof with said second field for determining the rate and direction of turning of said device.

2,546,159
PIPERIDYL KETONES AND PROCESS OF MAKING SAME
Hans Kaegi, Basel, and Karl Miescher, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application March 28, 1946, Serial No. 657,897. In Switzerland April 10, 1945
16 Claims. (Cl. 260—294.3)

1. In a process for the preparation of a piperidyl alkyl ketone which corresponds to the formula



wherein Ph stands for a phenyl radical, and R stands for a member selected from the group consisting of lower alkyl and aralkyl radicals, the step of reacting a salt of a tertiary 1-lower-alkyl-4 - phenyl - piperidine - 4 - carboxylic acid halide with an active methylene compound containing, as activating group, a member selected from the class consisting of the diazo, carbalkoxy, acetyl and nitrile groups, the methylene compound in the case of the last three enumerated groups being reacted in the form of a metal derivative, whereby a 1-lower-alkyl-4-phenyl-piperidyl-4-ketone is formed.

11. A 4-phenyl-piperidyl - (4) - alkyl - ketone which corresponds to the formula

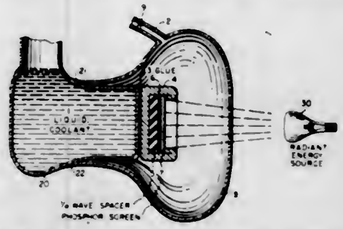


wherein Ph stands for a phenyl nucleus, and R stands for a member selected from the group consisting of alkyl and aralkyl radicals, which contains in α-position to the keto group a substituent selected from the class consisting of carbalkoxy, acyl of the formula

$$\text{alkyl}-\overset{|}{\underset{|}{C}}=O,$$

halogen and nitrile groups.

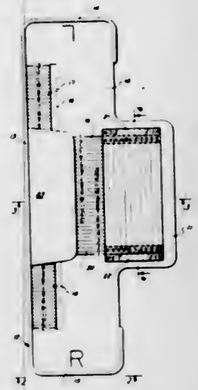
2,546,160
PHOSPHORESCENT SCREEN FOR RADIO WAVE DETECTION
Bela A. Lengyel, Washington, D. C.
Application October 31, 1947, Serial No. 783,423
3 Claims. (Cl. 250—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. Means for visually indicating an incident radio wave comprising a flat conductive member

operative to reflect a radio wave, a low radio frequency loss dielectric spacer overlying the conductive member and having a thickness equal to an odd multiple quarter wave length of the radio wave, a thin electrically resistive sheet overlying the spacer operative under an incident radio wave in part to absorb and in part to transmit the same, and a phosphor screen supported in contact with the resistive sheet operative to be activated responsively to ultraviolet radiation for fluorescence in dependency on the incidence of radio waves of whose length the spacer thickness is an odd quarter wave multiple.

2,546,161
FOOT MEASURING DEVICE
Bruce G. Lofgren, Denver, Colo.
Application February 21, 1947, Serial No. 730,131
2 Claims. (Cl. 33—3)

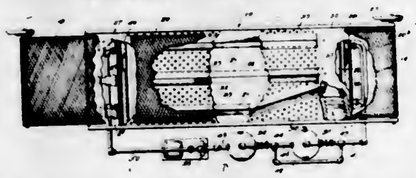


1. A foot measuring device comprising a flat base member for receiving and supporting either the right or the left foot of a human being when in a standing or sitting position, said base being capable of sustaining the weight of said human being and having on its foot-engaging upper surface a foot length-indicating scale and a foot width-indicating scale, said scales having graduations thereon to indicate, respectively, the length and width of the human foot while being subjected to the weight of at least a portion of the human body, heel abutments disposed at opposite ends of the base and extending transversely thereof and a side abutment for the side of the foot disposed above a side edge of said base, said side abutment extending uninterruptedly and longitudinally of and throughout the length of the base and interconnecting the transversely extending heel abutments, and a foot arch-supporting member mounted upon and movable lengthwise of the base adjacent said side abutment, said arch-supporting member having its top surface shaped to conform generally to the shape of the human arch to support said arch under the weight of the user of the device to thereby permit the accurate measurements of the foot to be taken while remaining in a position comparable to the position of the foot while in a shoe.

2,546,162
PROCESS FOR DRYING WOOD
William Karl Loughborough and John Milton McMillen, Madison, and Leif Dedrick Espenas, Middleton, Wis., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application September 3, 1946, Serial No. 694,440
11 Claims. (Cl. 34—9.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for drying wood, comprising applying, to the surface only of the wood, a hygroscopic aqueous paste which minimizes drying and shrinking of the exterior of the wood before the interior dries, the paste remaining in a water-swollen gel condition on the surface of the wood as long as the wood has an average moisture content of 30 percent or higher, calculated upon the oven-dry weight of the wood, said paste comprising a mixture of hydrophilic thickening agent, and an unpolymerized resin-forming material which in the last stages of the drying forms a non-hygroscopic resin, the paste having a water vapor pressure, relative to pure water, of 65 to 90 percent and then open piling and substantially immediately kiln drying the coated wood without waiting for the paste to impregnate the wood, whereby diffusing of the paste into the wood before the drying operation and during the early stages of the drying operation is avoided and minimized, the drying being to a moisture content of no more than about 25 percent.

2,546,163
FOOD COOKING APPARATUS
Freeman M. McBeth, Harrisburg, Pa., assignor to Macbeth Engineering Corporation, a corporation of Pennsylvania
Application May 20, 1947, Serial No. 749,385
10 Claims. (Cl. 99—408)

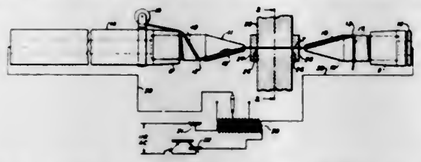


1. In a food cooking apparatus, a container for the reception of a cooking liquid and foodstuffs, a plurality of heat tubes in said container and opening through and secured to one wall thereof, means for supplying heat to said tubes, and a manifold in said container into which said tubes are connected and discharge, said manifold opening through and being secured to another wall of said container and including flexible means providing for longitudinal expansion and contraction of said tubes.

2,546,164
APPARATUS FOR WELDING THERMOPLASTIC BODIES
Neil S. Norris, Valley Center, Calif.
Application December 29, 1949, Serial No. 135,741
3 Claims. (Cl. 219—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

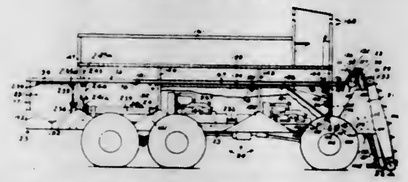
1. In an apparatus for welding confronting surfaces of thermoplastic body portions, the combination of an electrically conductive, elongated

heating member having a relatively low longitudinal heat conductivity, conical holding means attached to each end of said member and having a relatively high heat conductivity and having relatively large exposed surfaces to facilitate cooling, the length of said member between said



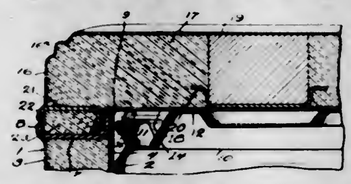
means being proportioned with respect to the longitudinal heat conductivity of said member such that an appreciable temperature differential between the center and the ends of said member may be established, and means for causing an electric current to flow in said member.

2,546,165
MECHANISM FOR SUGAR-CANE HARVESTING
Robert Alexander Patten, Seattle, Wash.
Application September 5, 1944, Serial No. 552,726
37 Claims. (Cl. 56—17)



1. A sugar cane harvesting mechanism comprising a power driven truck; a mounting frame mounted on the front end of said truck; an elevatable cane cutting unit slidably mounted on said frame; a horizontally disposed link chain cutting means mounted at the bottom and across the front of said unit; compressed fluid means operatively connected to said elevatable unit for raising and lowering the same; a driving sprocket mounted on said truck; driving sprockets mounted on said elevatable unit; beveled gear means connecting one of said last mentioned sprocket means to said link chain cutting means; sprocket chain means connecting both of said sprocket means whereby said cutting means is maintained in operation simultaneously with the lowering and raising of said unit.

2,546,166
FOOD CONTAINER
Frederick F. Pfefferkorn, Washington, D. C.
Application June 4, 1945, Serial No. 597,494
4 Claims. (Cl. 220—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A portable food container comprising a body portion having an inner and outer wall, said inner wall defining a compartment open at one end and comprising side walls and a bottom, insulating material disposed between said inner and outer walls, and an outwardly dished collar circumferentially disposed between said walls, so as to form a channel; a plurality of food receptacles supported in upright position and in side-by-side abutting relationship within said compartment, each of said food receptacles having a body portion provided with an inwardly and downwardly beveled rim and a cover interfitting therewith; and a closure on said compartment permitting individual insertion and removal of said food receptacles and adapted to cover the open end of said compartment, said closure being hingedly secured to said body portion, and said closure having an outside wall, a liner spaced from said outside wall, insulating material disposed between said outside wall and said liner, and an outwardly dished collar circumferentially disposed between the outside wall and the liner of said closure so as to form a channel, each of said first-named and second-named channels having an inner and outer flange and in at least one of said channels one of said flanges being of greater height than the other of said flanges, said higher flange overlapping the corresponding flange of the other channel when said closure is in compartment-closing position; the height of said food receptacles substantially corresponding to the distance between the bottom of said compartment and the inner wall of said closure; a gasket positioned in one of said channels; and means for releasably fastening said closure onto said body portion; whereby upon closing of said closure said gasket is compressed between said dished collars and the covers of said food receptacles are simultaneously pressed downwardly into sealing contact with said beveled rims of the body portions of said food receptacles and spillage of food contained in said food receptacles is prevented.

2,546,167
ACID-FADING INHIBITION USING DIBENZYLETHYLENEDIAMINE
Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,093
13 Claims. (Cl. 8—61)

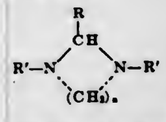
1. Process for improving the fastness of colorations on dyed organic derivative of cellulose textile material to acid fading, which comprises treating said dyed organic derivative of cellulose textile material with dibenzylethylenediamine.

2,546,168
EMULSIONS OF WATER-INSOLUBLE ORGANIC ACID-FADING INHIBITORS DISSOLVED IN WATER-INSOLUBLE ORGANIC SOLVENTS
William J. Hart, Dover, and Victor S. Salvin, Irvington, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,094
7 Claims. (Cl. 8—61)

1. Process for improving the fastness of colorations on dyed organic derivative of cellulose textile material to acid fading, which comprises treating said dyed organic derivative of cellulose textile material with a stable emulsion comprising a dispersion in water of a solution in a water-insoluble organic solvent of a water-insoluble organic acid fading inhibiting agent, said emulsion being formed by dissolving a plurality of dispersing agents in the organic solvent employed, at least one of which dispersing agents is a water-soluble anionic surface active agent and one a water-insoluble but oil-soluble non-ionic surface active agent, adding the inhibiting agent thereto, dissolving it therein and dispersing the resulting organic solution in water.

2,546,169
EMULSION PROCESS
Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 2, 1948, Serial No. 47,537
14 Claims. (Cl. 260—309.6)

2. Process for the production of 1,3-diazacyclo compounds of the formula

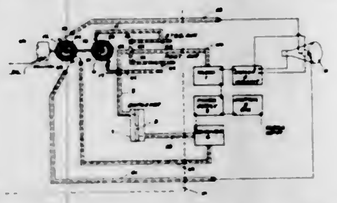


wherein R is a member of the group consisting of hydrogen, alkyl, aryl and substituted aryl groups, R′ is a member of the group consisting of cycloalkyl, alkaryl, aryl and substituted aryl groups and n is an integer of at least 2, which comprises adding an aldehyde of the formula R—CHO to a stable, aqueous emulsion of a polymethylene diamine of the formula

$$R'—NH—(CH_2)_n—NH—R'$$

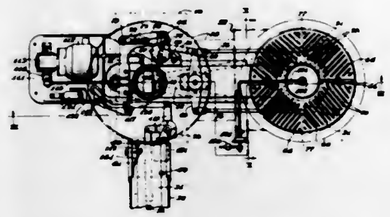
dispersed with a dispersing agent and stabilized with a member of the group consisting of potassium pyrophosphate, sodium pyrophosphate, sodium sulfate, sodium carbonate, sodium tetraborate, trisodium phosphate and sodium silicate and maintaining the reaction mixture at reaction temperature until the condensation is completed.

2,546,170
RADIO ECHO SYSTEM FOR AIRCRAFT
George C. Schleter and Henry R. Senf, Washington, D. C.
Application December 7, 1942, Serial No. 468,106
5 Claims. (Cl. 343—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



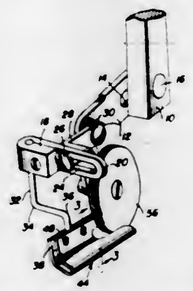
2. A radio echo searching and homing system for use on aircraft, comprising a pair of directive antennas, means for moving said antennas at will and simultaneously from a position in which the directive axis of each of said antennas extends substantially normal to the line of flight of said aircraft to a position in which said directive axis extend forwardly of said aircraft to allow a slight overlap of the beam patterns of said antennas, a radio pulse transmitter, a receiver, an indicator, means producing on said indicator an indication of the reception of a radio pulse echo by said receiver, said indication having characteristics distinctive of the antenna in use when it was received and means for sequentially coupling both the output of said transmitter and the input of said receiver first to one of said antennas and then to the other.

2,546,171
STOKING APPARATUS ASH REMOVAL MEANS
Chester E. Shaffer, Arlington, N. J., and Albert Boyd Fisher, Jr., Wilkinsburg, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Original application March 15, 1940, Serial No. 324,048. Divided and this application August 1, 1945, Serial No. 608,232
4 Claims. (Cl. 110—165)



1. The combination with a hearth under the grate of a heating furnace of an ash receptacle positioned adjacent the hearth and means for delivering ash from the hearth to said receptacle comprising: a driving member, a pair of longitudinally arranged bars mounted closely adjacent the hearth surface and arranged at an acute angle to one another with one end of each bar movably connected with the driving member, the other ends of the bars being slidably mounted and more widely separated than the driven ends, and means to reciprocate the driving member to move the bars longitudinally, the mounting of the bars being arranged to give both lateral and longitudinal movement to the bars during the reciprocating movement.

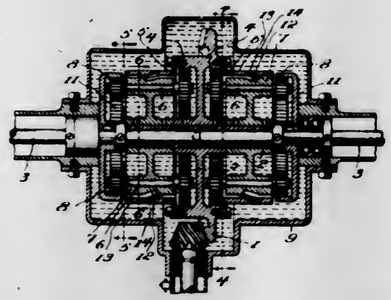
2,546,172
L-TYPE BINDING GUIDE
George E. Smith, Binghamton, N. Y.
Application May 13, 1948, Serial No. 26,885
2 Claims. (Cl. 112—137)



1. In a binding guide for use in association with sewing machines, a curved hollow housing

having a passage therein adapted to guide a tape therethrough, said passage being closed on the top, bottom, and both sides thereof by parts of said housing, an arm having a plate at one end thereof, means for attaching the opposite end of the arms to a sewing machine component, means for attaching the plate in the hollow housing at one end thereof in selected position to adjust the size of passage in the hollow housing, said last-mentioned means including a plurality of screws extending at least partially through said housing, said plate having enlarged apertures therein and said screws extending through said enlarged apertures whereby the plate may be slidably adjusted and fixed greater and lesser degrees within the hollow of the hollow housing, said attaching means including a bracket, a roller having a scored periphery attached to said bracket and disposed adjacent said housing to direct the tape as it passes into said housing.

2,546,173
PLANETARY UNIT
Charles Snyder, East Orange, N. J.
Application October 15, 1946, Serial No. 703,308
4 Claims. (Cl. 74—711)



1. In a transmission device, a casing containing a fluid, a ring gear having an internal gear, a plurality of gears engaging the internal gear, counter shafts to which said gears are attached, a cylindrical drum through which the countershafts pass, a shaft upon which the ring gear and drum are rotatably mounted, smaller gears attached to the countershafts, a driven shaft, a second internal gear keyed to the driven shaft and in mesh with the smaller gears, and a cylindrical shield fixed to the ring, said shield extending coextensive with and encircling the drum, said drum and shield being concentric with each other and having oppositely directed grooves, whereby the fluid engaging said grooves will cause the shield and drum to exert a drag on each other to rotate the same with the ring gear.

2,546,174
INSECTICIDAL COMPOSITION CONTAINING A POLYCHLORO p-MENTHANE
William D. Stonecipher, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1945, Serial No. 609,019
2 Claims. (Cl. 167—30)

1. An insecticidal composition comprising a polychloro p-menthane containing from about 50 to about 75% of chlorine and a hydrocarbon solvent therefor.

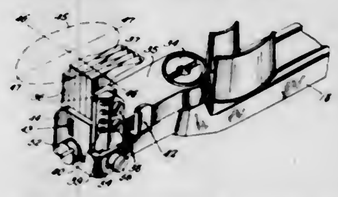
2,546,175
INSECTICIDAL COMPOSITION CONTAINING A POLYCHLORO p-MENTHANE
William D. Stonecipher, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application August 4, 1945, Serial No. 609,019. Divided and this application June 23, 1950, Serial No. 170,025
2 Claims. (Cl. 167—30)

1. An insecticidal composition comprising a polychloro p-menthane containing from about 50% to about 75% of chlorine and a finely divided solid carrier.

2,546,176
INSECTICIDAL COMPOSITION CONTAINING A POLYCHLORO p-MENTHANE
William D. Stonecipher, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application August 4, 1945, Serial No. 609,019. Divided and this application June 23, 1950, Serial No. 170,026
2 Claims. (Cl. 167—30)

1. An insecticidal composition comprising an aqueous dispersion of a polychloro p-menthane containing from about 50% to about 75% of chlorine.

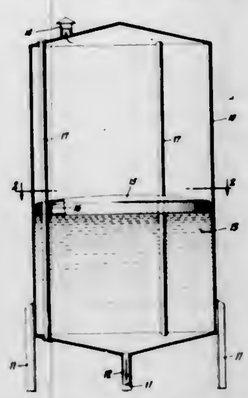
2,546,177
FLATLOCK LOOPER LOCKING AND ADJUSTING MEANS
Francis P. Tamburro, Ozone Park, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application October 24, 1946, Serial No. 705,423
14 Claims. (Cl. 112—200)



1. In a sewing machine, a looper lever; a looper carried by the looper lever; means for driving the looper lever in coordination with the needle-actuating mechanism of the machine, the said driving means causing the looper to travel in an elliptical path; means associated with the looper lever driving means for changing the path of travel of the looper to vary the magnitude of the major axis of the elliptical path thereof; and adjustable means operative to positively shift the looper laterally on the looper lever so as to alter the path of travel of the looper and change the relative position of the minor axis of the said elliptical path.

2,546,178
RETARDING YEAST GROWTH IN SUGAR SIRUPS
Daniel V. Wadsworth, Plandome, N. Y., and William L. Owen, Baton Rouge, La., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y., a corporation of New York
Application March 13, 1948, Serial No. 14,784
14 Claims. (Cl. 99—165)

1. A process of retarding growth of molds and yeasts in a syrup containing no more than a minor proportion of fermentable sugars which comprises maintaining a layer of material in



contact with the surface of said syrup to prevent access of air thereto.

2,546,179
PROCESS OF HANDLING SUGAR
Howard S. Paine, Dobbs Ferry, N. Y., and Mary F. Hughes, Jersey City, N. J., assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y., a corporation of New York
No Drawing. Application September 2, 1948, Serial No. 47,543
19 Claims. (Cl. 99—150)

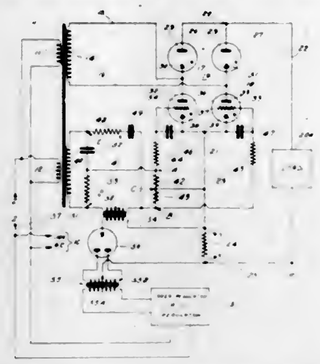
1. A process of handling unrefined sucrose which comprises forming a high density aqueous solution thereof having a pH of about 6 to about 7.5, adding a small proportion of a preservative thereto to inhibit growth of yeasts and molds in said solution, and transporting or storing the solution in this form while protecting its surface from free contact with the air, said preservative comprising a substance that does not react appreciably with the sucrose.

2,546,180
METHOD OF MAKING MOTOR FUEL
Sol B. Wicser, Washington, D. C.
No Drawing. Application September 17, 1945, Serial No. 616,797
1 Claim. (Cl. 196—78)

Process of treating olefines comprising passing a mixture thereof with an excess of methane over a catalyst comprising aluminum chloride and activating metals selected from the group consisting of nickel and platinum on a carrier at a temperature from 400 to 800° F. and a pressure of 60 to 100 atmospheres.

2,546,181
ELECTRICAL CIRCUIT
David D. Coffin, Newton Highlands, and Bernard L. Cook, Medford, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 13, 1947, Serial No. 728,282
6 Claims. (Cl. 321—40)

1. An electrical system comprising: a source of alternating voltage; means for rectifying a portion of said voltage; a non-linear device adapted to be energized by said rectified voltage; means, operating on said rectifying means for controlling the magnitude of the current applied to said non-linear device; means, connected in series with said non-linear device and rectifying means for developing a direct potential of pre-



determined magnitude; and means, responsive to said direct potential, for disconnecting said source of alternating voltage when said direct potential exceeds a predetermined magnitude.

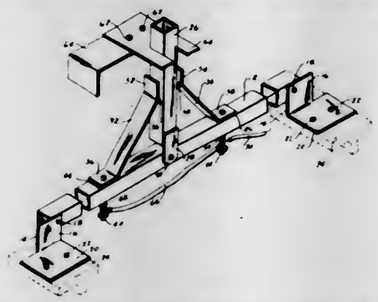
2,546,182
PERMUTATION LOCK
Sükrü Fenari, New York, N. Y., assignor of fifty per cent to Vahdi Sabit
Application September 25, 1947, Serial No. 776,118
8 Claims. (Cl. 70—312)

1. In a lock, a flat ring having a plurality of radially disposed pockets extending inwardly from the inner face thereof, a sleeve within said ring, said sleeve having a radial aperture extending between the inner and outer surfaces thereof, a pin in said aperture the outer end of which is adapted when in one position to lie within one of the aforesaid pockets of the ring and thereby lock the sleeve to said ring associated therewith, a fixed support extending through said sleeve and upon which said sleeve may revolve, a locking bar extending through said sleeve and movable in a plane perpendicular to the axis thereof and engaging the inner end of said pin therein, means connected to said bar for moving same in said plane to permit said pin to fall out of said pocket in said ring and a locking bolt connected to and movable with said bar.

2,546,183
TIRE DEFLATION SWITCH
Harry B. Foulks, New York, N. Y.
Application July 20, 1948, Serial No. 39,790
3 Claims. (Cl. 200—58)

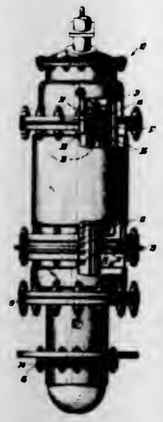
3. In a means for indicating the deflation of a tire of a vehicle on which the means is mounted, a cross member, means for securing each end of the cross member to the sides of the frame of the vehicle on which the means is mounted, the

center of the cross member being equi-distantly spaced from each side of the vehicle, an upright pivotally secured to the cross member at the center thereof, an engaging member mounted on the cross member on each side of the upright and equi-distantly spaced therefrom to form equal normally open gaps therebetween, said engaging members electrically insulated from the cross member, said engaging members electrically connected in parallel to one side of a source of electrical current, and a guide member mount-



ed on the vehicle equi-distantly from the sides of the frame of the vehicle and between which guide member the upright may be reciprocated, said guide member restraining movement of the upright toward an engaging member whereby said cross member may oscillate on the upright to bring an engaging member into engagement with the upright and close a circuit through the source of electrical current, said upright, cross member and engaging member having an electrical current carrying characteristic.

2,546,184
NONDEFORMING ELECTRODE STRUCTURE AND ELECTRON DISCHARGE DEVICE
Lloyd P. Garner, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1949, Serial No. 95,398
32 Claims. (Cl. 313—278)



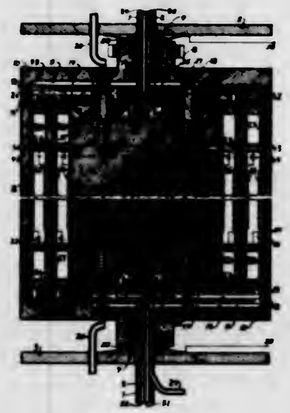
1. An electrode structure comprising an electrode, a conducting support member quickly detachably connected to said electrode adjacent one end thereof, another conducting support member connected to said electrode adjacent the other end thereof, and resilient means maintaining said electrode and said support members in good electrical contact.

2,546,185
COTTON PICKER SPINDLE
Clarence R. Hagen, Memphis, Tenn., assignor to International Harvester Company, a corporation of New Jersey
Application April 15, 1949, Serial No. 87,813
8 Claims. (Cl. 56—50)



1. A cotton picker spindle comprising an elongated body for rotation about its principal axis and having a barb-bearing surface tapering toward an end thereof, circumferentially spaced rows of picker barbs arranged lengthwise upon said tapered surface, said barbs having respective points spaced radially of said body from said surface and projecting tranversely of said body in the same circumferential direction with respect to such body, and the distance of such radial spacing of the barb points in each row being graduated in an arrangement wherein the distance of such radial spacing increases in accordance with the distance of the points from said end of the body.

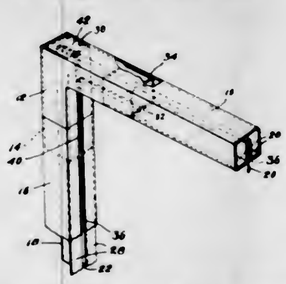
2,546,186
CONVECTION-COMPENSATING CENTRIFUGE
Charles F. Hall, Berkeley, Calif.
Application March 11, 1947, Serial No. 733,788
6 Claims. (Cl. 233—1)



1. In a centrifuge a rotor comprising a cylinder perforated by a number of axial flues through which a fluid and separable constituents are circulated, a baffle circumferentially dividing each flue, in each baffle a multiplicity of closely spaced axially inclined passages passing through a radially outer part of the baffle and a corresponding multiplicity of closely spaced axially inclined passages passing through a radially inner part of the baffle, on one side of each baffle an axially extending thermal element producing convectional circulation of fluid through the axially inclined passages said inclined passages being so

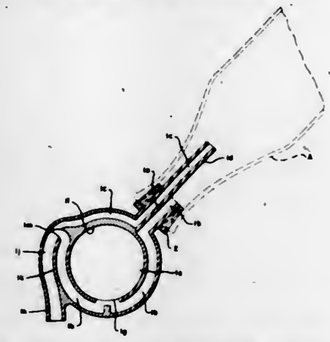
positioned that said circulation produces oppositely directed component axial currents on circumferentially opposite sides of each baffle and produces component cross currents which flow predominantly centrifugal across one component axial current and flow predominantly centripetal across the oppositely directed component axial current, at opposite ends of the rotor a number of radial channels connecting the ends of the flues to stationary inlet and outlet ducts and stationary vanes and stationary radial extension tubes circulating the fluid through the radial channels and through the ducts, bearings to support the rotor and means to cool the bearings and minimize axial temperature gradients through the rotor, all combining to provide a maintained axially amplified enrichment of constituents maintained by cross currents and dependent upon a maintained circumferential enrichment of constituents as maintained by the baffle within each flue.

2,546,187
STRUCTURAL FRAME FOR WINDOWS
John H. Harward, Haverhill, Mass.
Application August 16, 1946, Serial No. 690,938
5 Claims. (Cl. 160—353)



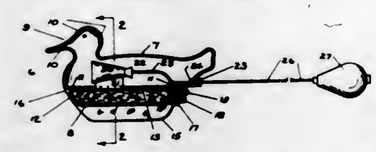
1. A structural mounting frame comprising inner and outer frame sections of which each inner frame section extends along a different side of the frame and has opposed walls defining a space for reception of a marginal portion of a member which is to be mounted, and each having a flange projecting at right angles to said opposed walls at the entrance to said space, said outer frame sections comprising a series of generally tubular straight side sections, each having a longitudinal slot extending along one wall from end to end of the section, and a series of generally tubular corner sections each comprising two angularly related legs and each having a slot extending along a wall of each leg of the corner and continuous from one leg to the other, each said corner section being fitted over a corner formed by two adjacent inner frame sections, with end portions of said inner frame sections passed through the slot of the corner section, and each said outer frame side section being slipped endwise over an inner frame section with said flange of the inner section engaging within the outer frame side section and with opposite end portions of each outer frame side section inter-engaged with a portion of two different outer frame corner sections, one of said corner sections being butted endwise against the adjacent end of an outer frame section, and having an opening in a wall thereof, and a locking element inserted through said opening and extending across the plane of said butted ends of the corner member and the outer frame side section.

2,546,188
PERIODIC SIPHON METERING DEVICE FOR BOTTLES
William C. Keller, Del Mar, Calif.
Application May 13, 1946, Serial No. 669,381
6 Claims. (Cl. 222—71)



1. In a liquid metering device, a unitary casing in pouring position having a neck provided with means for securing the same to a liquid container, said neck having a pair of passages therethrough, one of said passages being a liquid outlet passage adapted to drain liquid from the container to which the metering device is connected, the other passage being adapted to conduct air into the container, said metering device having an enlarged body portion in connection with said neck, provided with a central reservoir portion having an opening in its lowermost portion, a passage from said liquid outlet passage in said neck portion extending downwardly around the lower side of said reservoir and communicating with the openings in the lower portion thereof, and extending upwardly to a position near the upper extremity of the inside of said reservoir in opposed relationship to said fluid outlet passage in said neck portion, said metering device having a substantially vertically disposed pouring spout communicating at its upper end with the upper end of said last-mentioned passage, in opposed relationship to the fluid outlet passage in said neck portion, said metering device provided with an air transfer passage communicating with the upper end of said pouring spout and the air inlet passage in said neck portion, and air vent means communicating with the interior of said reservoir at the uppermost inner portion thereof, and extending externally of said metering device.

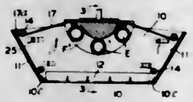
2,546,189
WILD DUCK DECOY
Edward C. Keep and Eleanor L. Keep, Richmond, Calif., assignors of one-fourth to Julia C. Janney, Richmond, Calif.
Application February 24, 1948, Serial No. 10,486
1 Claim. (Cl. 43—3)



A wild duck decoy of the character described comprising a body member simulating a duck, the said body member being composed of two separate hollow sections positioned one above the

other forming two separate compartments, means securing the sections together, a duck decoy sounding horn positioned in the upper compartment, said upper compartment having a plurality of perforations for emitting decoy sounds produced by the horn therein, an elongated rubber tubing leading from the horn to a remote location, an air expelling bulb secured to the outer extremity of the rubber tubing at the remote location for operating the horn, whereby the decoy sounds are produced, a wall of the lower compartment having a threaded opening in it for enabling water to be conveyed therein to weight the lower portion of the said body member, a threaded plug for closing said opening, and a pair of vertical fins extending from the lower portion of the body for stabilizing the body when the same is in the water.

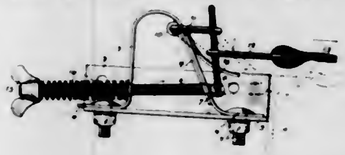
2,546,190
HOUSING AND LIGHT DIFFUSER FOR FLUORESCENT FIXTURES
Earl T. Koppang and Henry Wing Kintzinger, Minneapolis, Minn.
Application June 21, 1946, Serial No. 678,238
6 Claims. (Cl. 240—51.11)



1. An ornamental housing and light diffuser for concealing and converting installed lighting fixtures of the fluorescent type comprising a pair of widely spaced, substantially rigid and substantially vertical end walls, said end walls having a substantial area adapted to more than cover and conceal the outer surfaces of the entire end portions of an installed fixture and light diffusers contained therein, longitudinal reinforcing connections between said pair of said end walls, said connections being arranged in two side series adjacent the outer marginal portions of said end walls to leave a large, unobstructed space between said end walls, certain of said reinforcing connections being disposed at the top of the body formed and serving in the dual capacity of connections and hanger supports for said body and adapted to engage top portions of the installed lighting fixture, said end walls having adjacent their lower edges at the sides thereof side wall-supporting elements and a pair of side walls of substantially the height of said end walls, supported at their lower edges upon said supporting elements and cooperating with said end walls to form a box-like housing for completely covering and concealing the end portions, tubes and light diffusers as well as the sides of an installed lighting fixture, said side walls being spaced apart adequate distances to be disposed in spaced relation to side portions of the installed fixture when said body is supported from the top thereof by said top reinforcing elements.

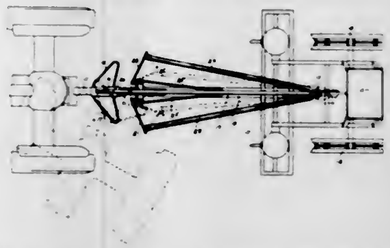
2,546,191
TRIP-ROPE RELEASING DEVICE
Adam Krushelnicky, Indian Head, Saskatchewan, Canada
Application February 28, 1950, Serial No. 146,668
2 Claims. (Cl. 280—150)

1. A trip-rope releasing device comprising a suitable support adapted to be detachably attached to a tractor; a U-shaped frame detachably secured in a vertical position on said support; a pull-rod slidably mounted in said frame longitudinally of said support and projecting beyond each side of said frame, the rear end having an eye formed therein; a spiral spring on the forward portion of said rod; a nut on said rod adapted to keep said spring in contact with said frame; a link pivoted on said frame near the upper end thereof and extending rearwardly of the frame; a link pivoted in the eye of the said



pull-rod and normally passing through said other link in engagement therewith; a hitching link through which said second-mentioned link normally extends in contact therewith; a rearwardly-curved plate carried by said frame to extend below the hitching link to divert this link rearwardly when the device is sprung, and a trip-rope coupled to said hitching link.

2,546,192
IMPLEMENT CONTROL HITCH AND ASSOCIATED MECHANISM
Raymond W. Kurtz, Greenfield, Iowa, assignor of one-half to Harvey C. Pauli, Adair County, Iowa
Application October 7, 1949, Serial No. 120,089
3 Claims. (Cl. 97—47)

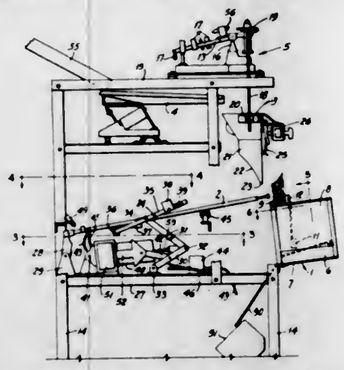


2. In combination with a tractor having a draw bar and a tongued implement having a control lever, a means for horizontally hingedly connecting the end of the tongue of the implement to the draw bar of the tractor, a bar horizontally pivoted at its forward inner end on the forward end portion of said implement tongue and extending rearwardly and outwardly to the left of its connection with said tongue, a link connecting the outer end of said bar to said control lever, a wing member on said draw bar capable of engaging said pivoted bar and forcing it rearwardly when said tractor turns in one direction, and a manually operated handle means connected to said lever and extending to the area of the forward end of said implement tongue.

2,546,193
BAG FILLING AND WEIGHING MACHINE
Frank F. Lindstaedt, San Anselmo, and Charles R. Fischer, Corte Madera, Calif.; said Fischer assignor to Selmer A. Melbostad, San Francisco, Calif.
Application June 13, 1947, Serial No. 754,490
11 Claims. (Cl. 226—61)

1. In a bag filling machine of the character described, a hopper having a depending chute,

means for moving a bag having a projecting flap with respect to the chute to cause the flap to catch behind the bottom edge of the chute for opening the bag, the said means being operable to guide the open end of the bag over the chute



and to release the bag when the latter has reached a desired position with respect to the chute, and independent means for locking the bag to the chute when the first means releases the bag.

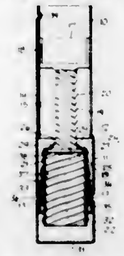
2,546,194
POURING STOPPER FOR BOTTLES
Louis Livadas, Springfield, Ohio
Application February 21, 1949, Serial No. 77,523
3 Claims. (Cl. 215—79)



1. A pouring spout adapted to be applied to the neck of a bottle comprising an inverted cup-like shell, an inverted cup-like liner member disposed within the shell, a socket formed by the lower end of the liner member, a pouring spout carried by the shell, said spout having a portion extending within the shell and fitting within the socket portion formed by the liner member.

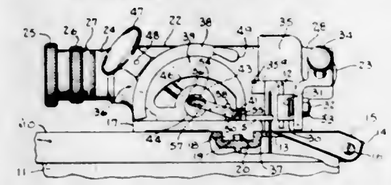
2,546,195
LIPSTICK CONTAINER
Cyril W. Mellette, Middlebury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation
Application November 16, 1948, Serial No. 60,200
6 Claims. (Cl. 206—56)

1. An adjustable lipstick-holder comprising a body-member having a discharge-aperture at one end; a carrier-cup mounted in said body-member, said carrier-cup and body-member being constructed and arranged to permit longitudinal movement only of said carrier-cup in said body-member to and from said discharge-aperture; carrier-cup operating-means comprising a hollow base-member having interior threads, an operating-flange and means for coupling said hollow base-member to said body-member for rotation only relative thereto; a screw projecting substantially perpendicularly from the underside of said carrier-cup; and a nut-member comprising a thin-walled sleeve having exterior threads and an end-closure provided with thread-engaging lips, said thread-engaging lips being arranged to



engage with the exterior of said screw and said exterior threads being arranged to engage with the interior threads of said base-member, said nut-member being operable by rotation of said operating-flange initially to move said screw longitudinally relative to said nut-member and thereafter to move said screw longitudinally simultaneously with the longitudinal displacement of said nut-member relative to said base-member.

2,546,196
VISE FOR SAWING MACHINES
George F. Morrison and Herman C. Frentzel, Milwaukee, Wis., assignors to The Morrison Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 10, 1947, Serial No. 779,188
5 Claims. (Cl. 29—67)

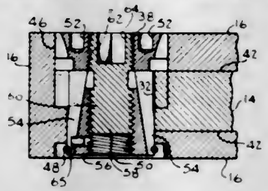


2. A slug clamping vise comprising a fixed jaw having a work-receiving surface, an adjustable gauge block adjacent said surface to locate work positioned on said surface, a resiliently mounted presser engageable with slugs positioned on said surface to normally urge the slugs into engagement with said block, a relatively movable jaw swingable in an arcuate path toward and away from said surface, a resilient support for guiding said movable jaw in said arcuate path, and a locking shaft and knob for controlling the arcuate movement of said movable jaw and for applying clamping pressure to said jaws.

2,546,197
LOCK DEVICE FOR PRINTERS' CHASES
George F. Morrison and Herman C. Frentzel, Milwaukee, Wis., assignors to The Morrison Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 11, 1948, Serial No. 32,293
1 Claim. (Cl. 101—390)

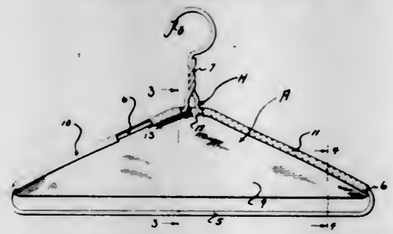
In a lock up device for a printer's chase having a bar adjustable within the chase to engage a

form or the like, a rack and pinion operable to adjust said bar to selected position within said chase, said pinion having a split hub, a cone axially movable in said hub to expand said hub and prevent said pinion from rotating, a threaded



member carried by said pinion and engageable with said cone to cause axial movement thereof upon rotation of said member, and means acting between said cone and said hub to prevent said cone from rotating with respect to said hub.

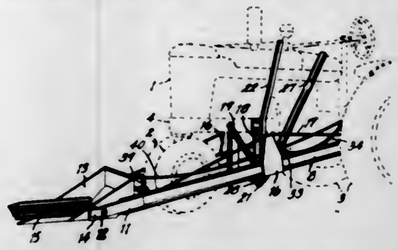
2,546,198
COAT HANGER ATTACHMENT
Philip Perlson, Milwaukee, Wis.
Application September 23, 1948, Serial No. 50,727
2 Claims. (Cl. 223—88)



1. As a new article of manufacture, an attachment for wire coat hangers of the type including a lower cross-bar and shoulder reaches connected with the terminals thereof inclining downward in opposite directions toward the cross-bar from the transverse center of the hanger comprising a thin plate of a triangular shape in side elevation conforming to the general configuration of the coat hanger and having a lower straight edge and upper edges inclined downward in opposite directions from the transverse center of the plate, and downwardly curved resilient gripping flanges on said inclined edges adapted to be sprung over the shoulder reaches of the coat hanger.

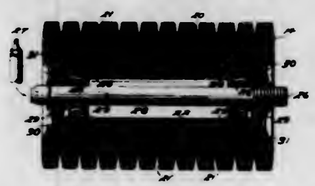
2,546,199
LOADING ATTACHMENT FOR TRACTORS AND THE LIKE
Densil F. Pitcher and Russell A. Dewey, Alto, Mich.
Application January 9, 1947, Serial No. 721,104
6 Claims. (Cl. 214—140)

3. A loading attachment for a tractor or the like having front and rear wheels mounted on a frame comprising a pair of generally parallel outwardly facing channel shaped beams pivotally secured at their rear ends to the rear of the tractor and extending forwardly of the front wheels, a loading member pivotally supported between the forward ends of said beams, a trip lever supported on said beams and arranged to releasably engage said loading member to prevent rotation thereof, a hanger including a transversely extending bar secured to the underside of said frame and extending therebelow and behind said front wheels, elongated tubular cylinders with closed upper ends and pivotally mounted near their lower ends to said beams, pistons having relatively large diameters positioned in said cylinders and having their lower ends projecting from the lower ends of said cylinders and pivotally secured to said hanger bar, upwardly extending guide bars



of channel shaped cross section supported at their lower ends on said hanger and extending in parallel relationship on each side of said tractor, a conduit including a valve and fluid pump arranged to selectively supply fluid under pressure to said cylinder, and an operating cord for releasing said scoop and extending to adjacent the driver's position of the tractor.

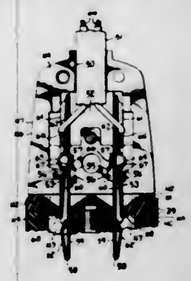
2,546,200
IMPACT CUSHIONING IDLER
Joseph Walter Snavely, Hales Corners, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 28, 1946, Serial No. 700,045
6 Claims. (Cl. 74—230.7)



1. An impact-absorbing belt conveyer idler comprising a rotatably mounted, rigid member and an integral roll of solid, yieldable, rubber-like material surrounding said rigid member, said roll having relatively deep, narrow primary grooves in its periphery extending substantially more than half the distance from the surface of the roll to the rigid member, thereby affording lateral flexing movement and deformation under heavy impacts on the belt to absorb the same, and secondary grooves of lesser depth arranged between the primary grooves to afford additional flexing movement and deformation, whereby under lighter impacts a soft surface is obtained which prevents belt cover lacerations, and initial effects of heavier impacts are more readily transmitted to the sections of the roll between the primary grooves.

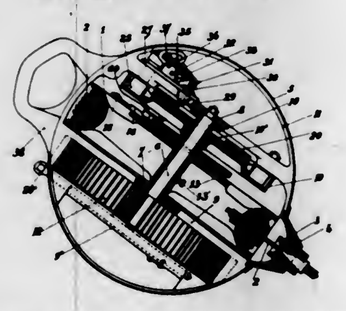
2,546,201
SELF-LOCKING ELECTRICAL CONNECTOR
Lucien Theriault, New Haven, Conn.
Application March 1, 1948, Serial No. 12,227
1 Claim. (Cl. 173—361)

A self-locking electrical connector, including in combination: a body-unit having a guide-passage therein receiving and guiding the lengthwise reciprocation of the hereinafter-mentioned combined contact-and-locking unit, the said guide-passage opening at one end through the exterior of the body-unit, the said body-unit also being provided in one lateral wall of its said guide-passage with a fixed actuating-abutment; and an elongate combined contact-and-locking unit mounted for lengthwise reciprocation in the guide-passage of the said body-unit, the said contact-and-locking unit comprising a contact-portion and a resilient locking-arm extending in substantial parallelism with and flexible laterally toward and away from the said contact-portion for movement into and out of locking engage-



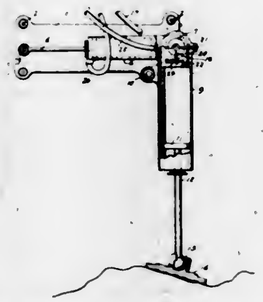
ment with a complemental electrical receptacle, both the said contact-portion and the said locking-arm projecting outwardly beyond the said body-unit, the said resilient locking-arm having a laterally-extending locking-finger at its projecting portion and also having an actuating-abutment constructed and arranged to engage with the said fixed actuating-abutment in the lateral wall of the said guide-passage and constructed and arranged to jointly therewith flex the said resilient locking-arm laterally relative to the said contact-portion to shift the said locking-finger when the said combined contact-and-locking unit and the said body-unit are moved with respect to each other in a direction lengthwise of the said contact-and-locking unit.

2,546,202
APPARATUS FOR PROTECTION AGAINST FALLS INTO SPACE
Joseph Tronin, Villeurbanne, France
Application March 31, 1939, Serial No. 265,369
In France April 2, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires April 2, 1958
3 Claims. (Cl. 254—153)



1. Safety braking device of the character described, comprising a freely mounted cable drum adapted to receive a cable, a cable attached at one end to said drum and urged to a wound position thereon by a spring on the drum, a brake drum freely mounted adjacent the cable drum, stationary brake shoes disposed inside the brake drum, ratchet means between the two drums for locking them together above a given rotational speed of the cable drum, a lever adapted to operate the brake shoes, a spiral groove on the brake drum, means on the lever for engaging the groove and actuate the brake shoes, and manual means for disengaging the lever groove-engag[illegible] to release the brake shoes.

2,546,203
AUTOMATIC OR MANUALLY ACTUATED HYDRAULIC JACK
Woodrow G. Tucker, Stanfield, Oreg.
Application November 30, 1946, Serial No. 713,349
2 Claims. (Cl. 254—86)

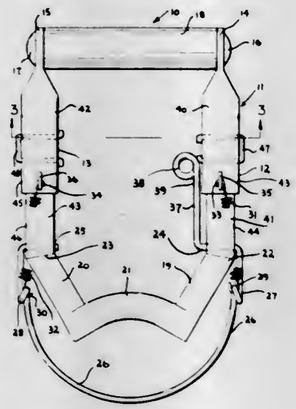


1. A lifting jack for vehicles comprising a positioning cylinder pivotally and slidably mounted with respect to an axle of the vehicle, a lifting cylinder mounted with respect to said axle for movement into vertical and horizontal positions by pivotal attachment at one of its ends to said positioning cylinder, a piston slidably mounted in the lifting cylinder, a shaft attached at one of its ends to the piston and its opposite end extending outwardly from the end of the lifting cylinder, valve means formed within the pivotal connection between said cylinders for progressively directing pressure into the positioning cylinder for moving said lifting cylinder from a horizontal to a vertical position and to the piston therein for forcing said shaft downwardly against a surface beneath the vehicle to force said lifting cylinder and said axle upwardly with respect to said surface.

2,546,204
HOG BRANK
Benjamin M. Wassenaar, Fulton, Ill.
Application July 24, 1945, Serial No. 606,740
2 Claims. (Cl. 119—151)

1. A hog holder including a handle portion having a pair of similar spaced lateral members, a snout engaging member generally U-shaped and connected to and between one pair of corresponding ends of said members, a bit provided on said snout engaging member and having an extending portion whereby said bit may be manually angularly adjusted relative to said snout engaging member, said handle lateral members being tubular and said snout engaging member being telescopically arranged therewith, each of said members having registrable apertures

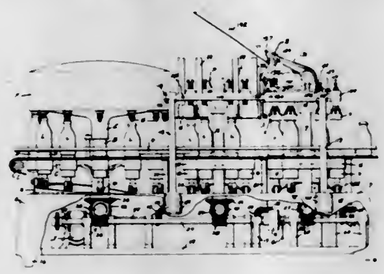
longitudinally arranged thereon, and clip means insertable in said apertures to retain said members in longitudinally adjustable relative relationship.

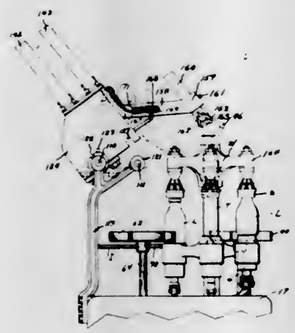


2,546,205
BOTTLE CAPPING MACHINE

Willy E. Zimmermann, Chicago, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia

Application June 28, 1948, Serial No. 35,592
10 Claims. (Cl. 226—75)



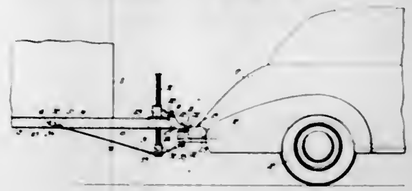


1. The combination with a bottle sealing machine, of a supporting frame, a pair of vertical posts, one of said posts for supporting a disc-cap applying mechanism, and one of said posts for supporting a hood-cap sealing mechanism, said disc-cap mechanism being removably secured upon said vertical supporting post, said post also adapted to support a hood-seal mechanism, a set of relatively fixed horizontal guides and supporting member associated with said supporting frame, a horizontal reciprocable slide member slidably engaged upon said guides, said slide member supporting a magazine for preformed hood-caps, a hood-cap delivery chute, and means whereby a single hood-cap is placed over the mouth of each bottle passing to said hood-cap sealing mechanism; said horizontal slide member being horizontally movable along said guides whereby said delivery chute will deliver hood-caps to bottles for sealing by a sealing mechanism supported by either of said vertical supporting posts.

2,546,206
TRAILER HITCH

David D. Arehart, Flint, Mich., assignor to Palace Corporation, Flint, Mich., a corporation of Michigan

Application February 23, 1946, Serial No. 649,534
7 Claims. (Cl. 280—33.4)



1. In a trailer hitch for connecting a vehicle and trailer, a direct pivoted connection between a rigid frame member of the vehicle and a rigid frame member of the trailer, said connection to the vehicle being located to the rear of the vehicle axle, a tension member connected to the trailer and to the vehicle in a plane below the pivoted connection and extending below the rigid members, the tension member being connected to the vehicle at a point approximately in vertical alignment with the axes of the pivoted connection between the trailer and vehicle, and adjustable means for placing said member under tension whereby a portion of the trailer load is transferred from the rear axle to the front axle of the vehicle.

2,546,207
SUSPENSION POLYMERIZATION

David Bandel, Brooklyn, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application August 18, 1949, Serial No. 111,080
4 Claims. (Cl. 260—45.5)

1. In the process of polymerizing in aqueous suspension a monomeric material selected from the class consisting of nuclear dichlorostyrenes, acrylonitrile and methyl methacrylate, the step of inhibiting agglomeration of resultant polymer particles which comprises including in the suspension mixture before polymerization a sodium salt of a copolymer of nuclear dichlorostyrene and methacrylic acid combining from 10 to 50% of nuclear dichlorostyrene and 50 to 90% of methacrylic acid, the amount of the salt being sufficient to prevent substantial agglomeration and occlusion of the polymer product.

2,546,208
METHOD OF SEALING HOLLOW BODIES

Murray M. Barton, Kansas City, Mo., assignor to Injection Molding Company, Kansas City, Mo., a corporation of Missouri

Application April 30, 1949, Serial No. 90,723
4 Claims. (Cl. 18—59)



1. The method of permanently securing a thermoplastic closure to an open end wall portion of a thermoplastic container, the closure and the end wall portion being substantially complemental in size and shape, the closure having a continuous right angularly disposed flange on its outer face substantially at the margin thereof, which comprises inserting the closure into the open end of the container with the flange facing outwardly and terminating in substantially the same plane as the end wall of the container whereby said flange is surrounded by the end wall portion of the container thus presenting continuous outer terminal ends, applying heat and pressure to and coextensive with said terminal ends to fuse portions thereof and flow together the fused material, removing the heat and pressure, allowing the flowed fused material to cool and become set to form an integral seal between the flange of the closure and the end wall portion of the container.

2,546,209
NOVELTY GLOVE FOR ANIMATED FIGURES

Joseph L. Baum, Hartford, Conn.

Application November 18, 1947, Serial No. 786,628
2 Claims. (Cl. 46—154)

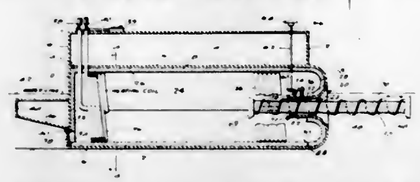


1. A novelty glove comprising a glove having a back, a thumb and fingers, the form of an animated figure attached to the back of the glove, said figure including appendages, the appendages of said figure overlying the fingers and thumb of said glove in such a manner that the simulations of the joints of said figure will coincide with the knuckles of the wearer of the glove whereby movement of a hand within the glove will effect the lifelike movement of the appendages of said figure.

2,546,210
JET PROPELLED VESSEL HAVING SUBMERGED CAPILLARY FEEDING MEANS FOR THE STEAM BOILER

Godfrey E. Bittner, Seneca, Oreg.

Application November 22, 1946, Serial No. 711,642
3 Claims. (Cl. 60—35.5)

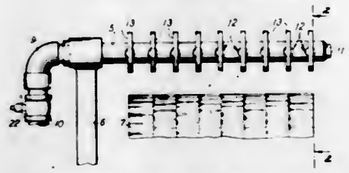


1. A marine propulsion device for a vessel, said device comprising a casing having a cylindrical chamber formed therein, said chamber being adapted to be partially submerged in a body of water, capillary means for admitting water into said chamber from one end thereof, means for generating steam in said chamber from said admitted water, means for discharging a jet of steam from an opposite end of said chamber and below the water line, whereby to propel said vessel by the reaction of said jet, and means exteriorly of said chamber and partially surrounding said jet for guiding the same for most efficient transfer of energy.

2,546,211
LUBRICATOR

Luther A. Blackburn, Lynwood, Calif.

Application December 30, 1946, Serial No. 719,256
4 Claims. (Cl. 184—15)



1. In a lubricator adapted for communication with a source of liquid lubricant under pressure, a conduit having a plurality of lateral discharge orifices therein, means closing one end of said conduit, means to support said conduit in a substantially horizontal position, and a plurality of washers snugly encircling said conduit and overlying the lateral discharge orifices, respectively.

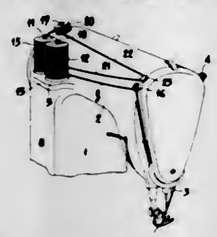
2,546,212
SEWING MACHINE

Ramon Casas Robert, Geneva, Switzerland, assignor to Mefina S. A., Binningen, Switzerland, a corporation of Switzerland

Application March 31, 1949, Serial No. 84,603
In Switzerland December 20, 1948
2 Claims. (Cl. 112—218)

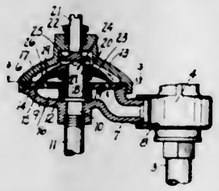
1. A sewing machine comprising a casing having two principal parts consisting of a vertical column and an approximately horizontal cantilever arm, a thread puller and a needle carrier for carrying a needle, both mounted at the free end of said arm, mechanism in said arm for actuating the needle carrier and thread puller, a thread spool support mounted on the upper rear surface of the column, a bobbin winding device mounted on the uppermost portion of the arm in close proximity to the spool support, a needle-

thread-guide mounted on the rear surface of the arm at the free end thereof for guiding thread from the spool to the needle, and a bobbin-thread-guide also mounted on the rear surface of the free end of the arm above the needle-



thread-guide so that the distance between the spool support and the bobbin-thread-guide and the distance between the bobbin-thread-guide and the bobbin winding device are each practically equal to the length of the arm thereby facilitating bobbin winding.

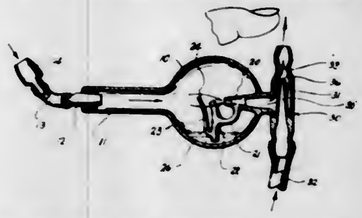
2,546,213
FLUSH VALVE
Herbert D. Clemmons, Sturgis, Mich., assignor to Scovill Manufacturing Company, Waterbury, Conn.
Application May 11, 1945, Serial No. 593,255
11 Claims. (Cl. 251—119)



6. A flush valve comprising a chambered casing provided with an inlet and an outlet, a valve plate constituting a partition between said inlet and outlet and having a passage member communicating with said outlet and a plurality of spaced ports, a valve body member threaded into said passage member for adjustment, said body member having a longitudinal passage in communication with said outlet and opening to said casing above said valve plate, and a resilient valve mounted on said valve body member with its edge yieldingly engaging said valve plate at the outside of said ports therein.

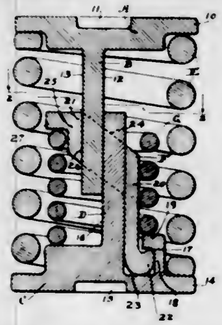
2,546,214
APPLICATOR
Harold E. Curry, Seattle, Wash.
Application March 17, 1947, Serial No. 735,061
3 Claims. (Cl. 128—172)

1. An applicator of the character described comprising, in combination, an atomizer and an aspirator; said atomizer having a closed chamber adapted for containing a supply of liquid for atomization, and formed with a wall passage through which vacuum may be drawn in the chamber or gas injected thereinto by the aspirator, and having also an outlet through which a connection may be made with a cavity under treatment, and devices in the chamber for the atomization of liquid incident to the injection of gas into the chamber through the said wall passage; said aspirator comprising a tubular member equipped for connection at one end with a source of gas under pressure and open at its other end and having its suction connection in direct communication with the said wall passage of the atomizer chamber for the drawing of vac-



uum in the chamber in normal operation of the aspirator and through which gas will be injected into the atomizing chamber to effect the atomization of liquid and its conveyance with the gas to the treated area incident to a momentary closing of the open end of the aspirator tube.

2,546,215
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 26, 1949, Serial No. 89,783
9 Claims. (Cl. 267—9)

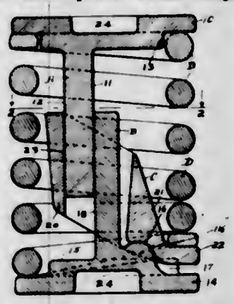


1. In a friction shock absorber, the combination with a pair of followers relatively movable toward and away from each other; of a post on each follower projecting from the same toward the other follower and having lengthwise sliding engagement with the other post; a yoke member in rocking engagement with one of said followers and embracing said posts at opposite sides; spring means engaging said followers to yieldingly oppose relative approach of said followers; and spring means reacting between one of said followers and the yoke for rocking said yoke to force the posts against each other.

2,546,216
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 26, 1949, Serial No. 89,784
6 Claims. (Cl. 267—9)

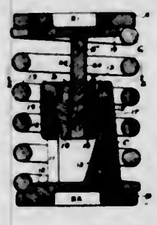
1. In a friction shock absorber, the combination with a pair of friction posts, relatively lengthwise movable toward and away from each

other, said posts having sliding frictional contact with each other; of spring means between said posts yieldingly opposing relative lengthwise movement of said posts with respect to each



other; and a pressure transmitting member pivotally connected to one of said posts, engaging the other post, and also engaged and actuated by said spring means for pressing the posts into tight frictional contact with each other.

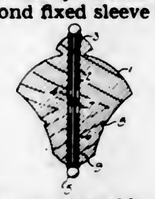
2,546,217
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 26, 1949, Serial No. 89,785
5 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with an end follower; of a second end follower, said followers being movable toward and away from each other lengthwise of the mechanism; a pair of laterally spaced friction shoes held against lengthwise movement with respect to said first named follower, said shoes being held against lateral separation, and being swiveled for swinging movement with respect to said follower; a friction plate movable with the other follower and having a sliding fit between said shoes, said plate being inclined with respect to the longitudinal axis of the mechanism; and spring means interposed between and engaged with said followers for yieldingly opposing longitudinal movement of said followers toward each other and lateral displacement of said followers with respect to each other.

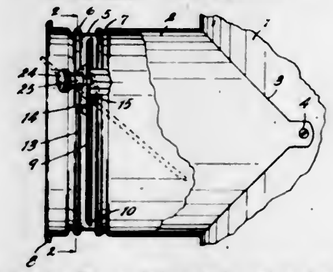
2,546,218
SPINNING TOP
Stephan J. Drobniewski, Chicago, Ill.
Application September 24, 1947, Serial No. 775,903
6 Claims. (Cl. 46—73)

1. As a new article of manufacture, a spinning top comprising in combination a single piece top body having a hole axially bored therethrough, a fixed sleeve in one end of said hole, one end of said sleeve being flush with the top body, a pin rotatably and slidably mounted within said sleeve with a second fixed sleeve in the other end



of said hole and a pin rotatably mounted in said second sleeve.

2,546,219
DRAFT REGULATOR
Edward A. Field, Jr., Mendota, Ill.
Application January 31, 1949, Serial No. 73,830
18 Claims. (Cl. 236—45)



10. In a draft regulator, a housing having an annular inwardly facing groove therein, a gate, and a bowed springable hinge member supportingly retained under spring compression in said groove for rotative and frictionally retained adjustment therein and provided with pivot elements for swingably supporting the gate.

2,546,220
EMULSION POLYMERIZATION WITH A CATALYST COMPRISING A DIAZO THIOETHER AND A FERRICYANIDE
Charles F. Fryling, Phillips, Tex., and William B. Reynolds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 24, 1947, Serial No. 743,718
20 Claims. (Cl. 260—84.1)

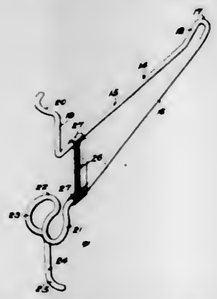
17. In a process for producing a solid plastic organic polymer by polymerizing in aqueous emulsion an unsaturated organic monomeric material containing an active $CH_2{=}C<$ group and polymerizable when dispersed in aqueous emulsion, the improvement which comprises effecting said polymerization at a polymerization temperature between 0° C. and −30° C. in the presence of a composition comprising 0.05 to 2 parts of a diazo thioether having the formula R—N=N—S—R' where R is a member of the class consisting of aromatic radicals and R' is a member of the class consisting of aromatic cycloalkyl and aliphatic radicals, 0.03 to 1 part of a water-soluble ferricyanide containing a monovalent cation, 0.05 to 1.4 parts of an alkyl mercaptan having four to twenty inclusive carbon atoms per molecule, and 30 to 120 parts of a saturated alcohol selected from the class consisting of methanol, ethylene glycol, glycerin and erythritol, all being parts by weight per 100 parts of said monomeric material, with the ratio of aqueous medium including said alcohol to monomeric material being between 1.5:1 and 2.75:1 by weight.

2,546,221
PAPER FEEDING, CUTTING, AND REGISTERING MECHANISM
Nelson E. Funk, Kalamazoo, Mich.
Application January 12, 1946, Serial No. 640,798
14 Claims. (Cl. 164—68)



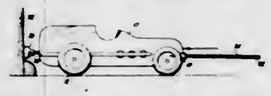
1. In a machine of the class described, the combination of cutter means comprising coacting rotary cutters driven at the same speed and having axially spaced feed disks, the disks having angularly stepped work gripping segments, the segments of one cutter being resilient, those of the other being non-resilient, knives mounted in said work gripping segments in angularly inclined relation relative to the axes of the cutters, means for aligning and feeding a web to said cutter means, a sheet feed means at the rear of said cutter means positioned to receive the sheets therefrom and comprising supports adjustable to and from the cutter means, a driven shaft mounted on said supports, a sheet feed roll on said shaft, a press roller shaft, a rockshaft mounted on said supports and provided with supporting arms for said press roller shaft, a press roll mounted on said press roller shaft to coact with said sheet feed roll, a cam on the shaft of one of said cutters, a lever provided with a follower coacting with said cam, and a second arm on said rockshaft having a link connection to said lever, said cam being arranged so that the sheet feed means is non-operating during the cutting period of the cutter means.

2,546,222
FISHING LINE DRIER
Warren S. Funk, Sioux Falls, S. Dak.
Application December 30, 1948, Serial No. 68,170
1 Claim. (Cl. 43—25.2)



A fishing line drier, comprising spaced-apart opposed arms mountable detachably at their inner ends on a fishing rod for support, the wet line to be wound on said arms for its drying, each arm consisting of an open frame-like structure formed of a single piece of wire and having a straight portion constituting the line receiving part proper of the arm, and a rebent continuation from the straight portion formed straight as a companion portion but slanted divergently laterally relative to said line receiving portion, the convergent ends of said two straight portions being rounded bluntly at the apex, and the apex end of said line receiving portion of the arm being bent laterally and substantially parallel with said companion portion, the free end portion of said companion portion being formed into an intermediate open loop portion and the portion beyond said loop being extended at substantially right-angles to said line receiving portion and away therefrom, the line receiving portion having its free end portion extended at right-angles thereto, away from said companion portion, and in substantial alignment with said extended portion of said companion portion, said extended portions being formed with oppositely extended curved bearing portions.

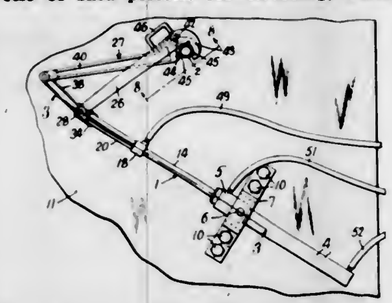
2,546,223
IMPULSE PROPELLED TOY AUTOMOBILE
Harold W. Jenkins, Kansas City, Mo.
Application August 22, 1949, Serial No. 111,701
1 Claim. (Cl. 46—206)



A toy vehicle, comprising a body portion simulating an automobile design, a tubular member extending the entire length of said body portion from front to rear and provided with bearing mounts at the opposite ends of said tubular member and also at an intermediate point for supporting said tubular member in fixed relation to said body portion, a longitudinal thrust rod operating slidingly through said tubular member and projectable out through the opposite ends thereof, a coil retractile spring accommodated within said tubular member and surrounding said thrust rod, the rear end of said spring being anchored in fixed position at the rear bearing mount of said tubular member and the forward end of said spring being attached to the front end of said thrust rod, and a knob element carried by the rear end of said thrust rod at the exterior of said body portion in position for engagement with a fixed abutment for tensioning said spring and thereafter releasing the rod and spring for operation in propelling the vehicle in a forward direction away from said abutment.

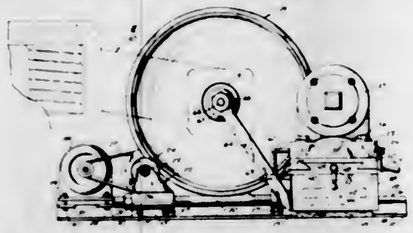
2,546,224
DEVICE FOR COUPLING AND UNCOUPLING DRILL ROD JOINTS
Harry C. Johansen, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 29, 1945, Serial No. 613,283
12 Claims. (Cl. 255—35)

1. A coupling and uncoupling device comprising, in combination, a tong including pivotally connected arms having jaw portions for gripping a member to be rotated, and fluid actuated means and between which and said arms relative movement occurs during swinging of said arms for swinging said arms to effect a gripping and a rotating of said member, said fluid actuated means including a cylinder containing a pair of relatively movable pistons, means for respectively connecting said pistons to the outer ends of said arms, means for supplying fluid to said cylinder between said pistons for effecting a gripping action by said tong, and means for supplying fluid to one of said pistons for effecting, when said



tong is effecting a gripping action, an actuation of said tong to rotate said member.

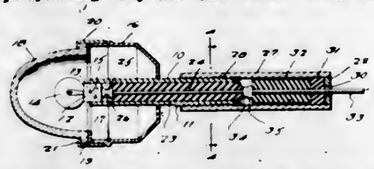
2,546,225
LOCOMOTIVE AND CAR WHEEL GRINDING MACHINE
James G. Julian and Fred A. Daniels, Sr., Columbia, S. C.
Application September 20, 1949, Serial No. 116,716
5 Claims. (Cl. 51—104)



3. A machine for simultaneously grinding a pair of car wheels comprising a separate cradle means for supporting each of said wheels above its associated rail, rollers longitudinally spaced from each other on each of said cradle means and engageable with the adjacent wheel for rotating the wheel while so supported, a frame extending across and above the associated rails and having each of its ends projecting beyond the adjacent rail, a motor driven grinding assembly including a grinding wheel positioned on each of the projecting ends of said frame and engageable with the rim of the adjacent car wheel, rollable means for mounting said frame on a support for universal movement on the latter whereby said frame can move relative to said cradle means and the car wheels in response to out-of-roundness of the car wheels, and centering means comprising fixed arms on said frame having car-wheel-engaging means arranged to maintain axial alignment with the wheels despite any out-of-roundness therein whereby said grinding wheels are held at set distances from the centers of the wheels and in grinding engagement with the rims of the car wheels despite an out-of-round condition of the car wheel rims.

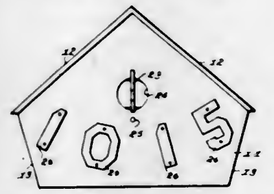
2,546,226
CONNECTOR STRUCTURE FOR TAILLIGHTS
James C. Laisure, Brawley, Calif.
Application July 9, 1946, Serial No. 682,172
2 Claims. (Cl. 173—328)

1. In a connector structure, a first metal tube having an open end and a closed end, a first relatively incompressible insulated plug in said first tube and slidable endwise therein, a first wire leading into said first tube at a point adjacent to the closed end thereof and extending longitudinally through said first plug, a first contact on the end of said first plug remote from the closed end of said first tube with which said first wire is connected, a second metal tube open at its opposite ends, an insulated member extending frictionally in said second tube, said insulated member being spaced at one end from an adjacent end of said second tube with its opposite end projecting beyond the other end of said



second tube, a socket on the said adjacent end of said second tube with which said one end of said insulated member can engage, said adjacent end of said insulated member having a second contact thereon, a third contact on the said opposite end of said insulated member, a second wire extending through said insulated member and connecting said second and third contacts together, said first and second tubes being axially aligned with the open end of said first tube threadably connected to the said other end of the second tube, and a solid resilient and compressible plug confined in said first tube between its closed end and the rear end of said first plug.

2,546,227
NOVELTY HOUSE NUMBER
Edward H. Leonard, Schenectady, N. Y.
Application March 26, 1948, Serial No. 17,350
1 Claim. (Cl. 40—138)

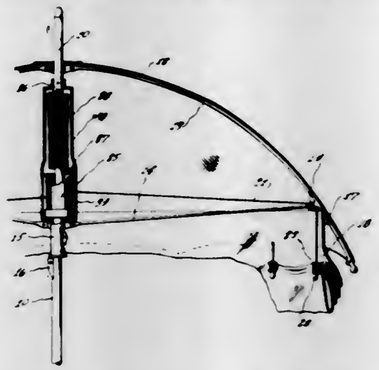


A novelty house number sign comprising a vertically disposed housing simulating a bird house and having a front wall provided with an opening extending therethrough, a vertically disposed animal head positioned in alignment with the opening in said front wall and having the head end arranged exteriorly and spaced from said front wall, and a pair of coil springs positioned on opposite sides of the other end of said animal head in alignment with the opening and operatively connected to said head and said housing whereby said head may oscillate in response to breezes or vibrations.

2,546,228
UMBRELLA
Ferruccio Martini, Bronx, N. Y., assignor of one-half to Julius Melnick, Bronx, N. Y.
Application August 29, 1947, Serial No. 771,274
2 Claims. (Cl. 135—20)

1. In combination, a foldable umbrella comprising a central handle support, a top adjust-

able upon the support between raised and lowered positions, a shield of flexible material connected to the outer portions of the umbrella top and adapted to be extended downwardly over the person using the umbrella to protect him from the sides, and a raising mechanism for the shield carried on the handle rod support and including cables extending outwardly for attachment to the shield whereby upon the operation of the mechanism the shield may be raised into the umbrella top, said mechanism on the central



handle support comprising a spool connected thereto to rotate thereon, a coil spring connected between the handle support and the spool and adapted to be wound as the cords on the spool are unwound to be extended for the lowering of the shield, and releasable means engaging with the spool to normally retain the spool against the action of the spring and while the shield is lowered, said mechanism being operable upon the release of the spool to cause the shield to be automatically raised into the umbrella top.

2,546,229
TELEPHONE MOUTHPIECE STERILIZING DEVICE
Arthur P. McCloskey, Oak Park, and Ervin W. Hopkins, Hinsdale, Ill.; said Hopkins assignor to said McCloskey
Application June 1, 1948, Serial No. 30,494
2 Claims. (Cl. 21—61)



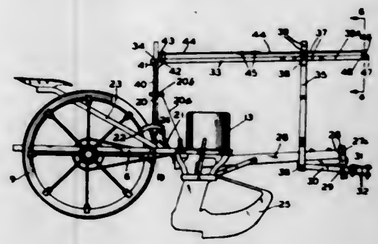
1. A sterilizing pad adapted for use in the sterilizing of a telephone mouthpiece, comprising a pair of fibrous discs having interposed between them a thin layer of a high-viscosity vegetable adhesive having powdered paraformaldehyde carried therein in a state of suspension, the vegetable adhesive being operative to hold the paraformaldehyde in the space between the disks and operative also to secure the pads together to form a porous body through which vapors from the paraformaldehyde may pass.

2,546,230
GLASS PRODUCT AND METHOD OF MAKING THE SAME
Piero Modigliani, Manhasset, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 10, 1947, Serial No. 779,000
16 Claims. (Cl. 154—92)



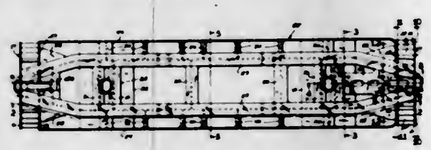
10. The method comprising, forming a mat of a plurality of layers of filaments with the filaments extending generally transversely of the mat and with the filaments of adjacent layers crossing at acute angles, applying a minor proportion of an unset binder to the mat, drawing the mat in a direction approximately at right angles to the general lay of the filaments until the layers assume a corrugated or undulatory form, applying a finely divided filler to the mat during the drawing operation, and setting the binder.

2,546,231
PLANTER FRAME AND CONTROL THEREFOR
Emil A. Nehring and Wallace E. Nehring, Elmore, Minn.
Application November 4, 1946, Serial No. 707,648
3 Claims. (Cl. 97—236)



1. In a corn planter, a frame, a drawbar extending forwardly from said frame, a connection between said frame and said drawbar permitting relative movement between the two in a vertical direction, a runner frame supported by and extending downwardly from said drawbar, a lever extending upwardly from said frame and connected thereto for pivotal movement on a horizontal axis, a second lever pivotally connected to said drawbar and extending upwardly therefrom in forward, substantially parallel spaced relation to said first mentioned lever, a member disposed above said frame and drawbar and pivotally connected to the upper ends of said levers, the forward end of said member extending a considerable distance forwardly beyond said second mentioned lever, an adjustable catch assembly having a portion thereof connected to said frame adjacent said first mentioned lever and having a cooperating portion operatively associated therewith and mounted on said first lever, a movable handle on the forward end of said member, and an operating connection for said catch assembly connected between said handle and a portion of said catch assembly.

2,546,232
VEHICLE UNDERFRAME AND FABRICATION OF MEMBERS THEREOF
James W. Owens, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application July 15, 1946, Serial No. 683,645
10 Claims. (Cl. 105—417)



1. In a vehicle underframe, the combination: of a center sill assembly comprising a pair of girder members having cross-tie elements securing said girders in substantially parallel and spaced relation; and sill assemblies secured to adjacent ends of said center sill assembly; and a draft sill assembly positioned adjacent each of said end sill assemblies, each draft sill assembly including spaced rib elements secured to the end sill and having end portions extending rearwardly thereof, means structurally relating the rearward end portions of said rib elements with said girder members, and plate elements secured to said rib elements for additionally structurally relating the latter with said end sill and center sill assemblies, said rib elements, means and plate elements being constructed and formed to resist draft and buffing stresses and transmit the same directly and only to said girder members and end sill assembly.

2,546,233
SKI RACK
Edward Reinhold Pankonin, Newington, Conn.
Application February 23, 1949, Serial No. 77,732
5 Claims. (Cl. 224—42.1)



1. A ski rack for use on a vehicle top of the foldable type including frame members normally substantially horizontal in use and a flexible covering supported thereby, said rack comprising in combination a supporting cross member arranged to extend transversely across and above said top and having at each end bracket means provided with reversely bent portions arranged to extend around and provide a space to receive side edge portions of the top covering and said bracket means also having surfaces engageable with said horizontal frame members of said top to support said cross member thereon and position it above said top, and attaching means operable to secure said bracket means in engagement with said frame members.

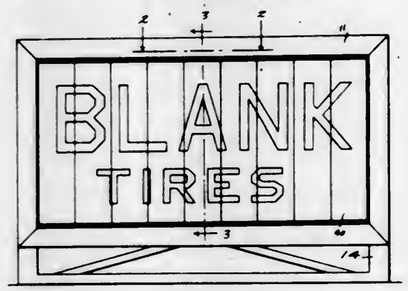
2,546,234
CATALYTIC CONVERSION OF HYDROCARBONS
Harry Louis Pelzer, Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 3, 1947, Serial No. 752,257
4 Claims. (Cl. 196—52)

1. A process for cracking heavier hydrocarbons to form lighter hydrocarbons in which the heavier hydrocarbon in vapor phase and in admixture with a catalyst consisting solely of anhydrous ammonium bromide is heated to a temperature within the range of about 720 to about 820° F. at about atmospheric pressure for a period of time sufficient to effect the desired conversion.

2,546,235
CATALYTIC CONVERSION OF HYDROCARBONS
Harry Louis Pelzer, Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 3, 1947, Serial No. 752,258
4 Claims. (Cl. 196—52)

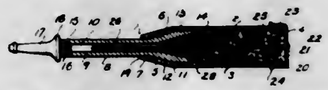
1. A process for cracking heavier hydrocarbons to form lighter hydrocarbons in which the heavier hydrocarbon in vapor phase and in admixture with a catalyst consisting solely of anhydrous ammonium fluoride is heated to a temperature within the range of about 720 to about 820° F. at about atmospheric pressure for a period of time sufficient to effect the desired conversion.

2,546,236
ADVERTISING APPARATUS
John L. Pflueger, New Orleans, La.
Application September 20, 1948, Serial No. 50,209
7 Claims. (Cl. 40—32)



1. Advertising apparatus comprising a housing having an open front, a plurality of exhibiting units in said housing, each unit comprising upper and lower chains, a plurality of exhibiting panels pivotally secured between said chains, the edges of said panels being disposed in spaced relation, means for disposing the foremost of said panels in parallel relation with respect to the front of said housing, each panel having a groove in one edge thereof and having the other edge shaped to snugly fit into the groove of an adjacent panel, and means for moving the panels disposed in exhibiting position toward each other whereby the edges of adjacent panels will interlock with each other to thereby form a solid exhibiting surface at the front of said housing.

2,546,237
SMOKING DEVICE
George W. Rehfeld, Manhattan, Kans.
Application February 14, 1945, Serial No. 577,814
2 Claims. (Cl. 131—181)



2. A smoking device including a tobacco receptacle having a cylindrical bore opening from one end and terminating at the other in an annular tapering seat, a stem having a smoke passageway connected with the bore of the receptacle, a plunger head on the stem having a tapering portion engaging in said tapering seat within the receptacle, said plunger head having a tapering recess in communication with the smoke passageway of the stem, an apertured member removably closing the open end of the receptacle, and a flexible rod on said member extending through the receptacle and tapering recess into the smoke passageway of the stem.

2,546,238
INHIBITION OF ACRYLONITRILE POLYMERIZATION
John Cadwallader Richards, Champaign, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1947, Serial No. 729,395
7 Claims. (Cl. 260—88.7)

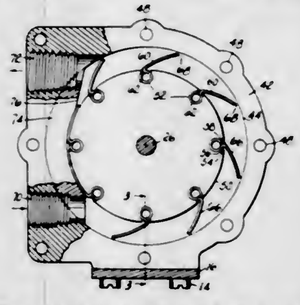
1. In the polymerizations of acrylonitrile to polymers containing at least 85% acrylonitrile, a process for substantially stopping said polymerizations, which comprises adjusting the polymerization systems during polymerization to a pH from 6.0 to 10.0, the said systems containing a persulfate catalyst and a bisulfite activator and being heated to a temperature from 30° C. to 50° C.

2,546,239
METHOD OF PREPARING ZINC SULFIDE PHOSPHOR
Siegfried Rothschild, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application December 6, 1947, Serial No. 790,241. In Great Britain July 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1961
7 Claims. (Cl. 252—301.6)

1. A process for the production of a phosphorescent zinc sulphide which comprises the steps of mixing zinc oxide and sulphur in a proportion to form zinc sulphide with an excess of sulphur, heating the mixture with an alkali halide to approximately 800° C., maintaining the mixture at substantially 800° C. for at least about one hour, washing the so-heated material with dilute acid and then water to thereby remove unreacted zinc oxide from the so heated material, mixing a copper activator and a halide with the so treated material, and heating the so formed mixture in a non-reducing atmosphere to a temperature greater than about 800° C.

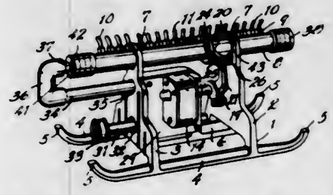
2,546,240
WATER MOTOR
Merrill D. Squiers, Kalamazoo, Mich.
Application April 25, 1946, Serial No. 664,863
2 Claims. (Cl. 253—136)

1. A rotor for a water motor comprising a cylindrical member defining a series of longitudinally extending cylindrical apertures opening to the surface of said cylinder in radially extending slots, and sheet metal vane members having cylindrical folded portions positioned in said openings and arc-shaped end portions of the



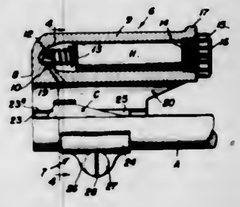
same radius as the surface of said cylindrical member, said vanes having reverse bend portions between the cylindrical portions and arc-shaped portions thereof arranged to abut against the edges of said slots to limit outward movement of said arc-shaped portions.

2,546,241
OSCILLATING LAWN SPRINKLER
Merrill D. Squiers, Kalamazoo, Mich.
Application December 30, 1948, Serial No. 68,101
4 Claims. (Cl. 299—67)



1. In a sprinkler, the combination of a support comprising a pair of spaced uprights, integral runner-like base members having upturned ends, and a central longitudinal bar connected between said uprights, said uprights having openings at their upper ends, a spray pipe disposed through said openings, and provided with a series of longitudinally spaced nozzles positioned in a line therealong, a combined radial and thrust bearing disposed in the opening of the rear upright, one of said nozzles being in thrust sustaining engagement with the front end thereof, a water motor comprising a casing mounted on said longitudinal bar between said uprights and having a driving shaft disposed transversely relative to the spray pipe and provided with a worm disposed within the casing, a driven shaft projecting from said casing and provided with a worm gear coacting with said worm on said driving shaft, a crank on the outer end of said driven shaft, an arm positioned on said spray pipe between adjacent nozzles and between said uprights and having an opening therein receiving said spray pipe and provided with a set screw whereby the spray pipe may be angularly adjusted relative to the arm to direct the spray nozzles, said arm having a longitudinal slot, a connecting rod pivotally connected to said crank and provided with a pin adjustable in said slot whereby the stroke of the spray pipe may be adjusted, water supply and discharge pipes for said motor disposed through one of the uprights between said rails and said spray pipe, the discharge pipe having a delivery portion projecting into the front end of the spray pipe and constituting a bearing spindle, and a combined packing and bearing unit for said spindle.

2,546,242
TWO-PART CLAMP FOR ATTACHING ILLUMINATING MEANS TO GUN SIGHTS
Robert E. Stinson, Galion, Ohio
Application November 6, 1947, Serial No. 784,437
3 Claims. (Cl. 240—6.41)



1. In a structure of the class shown and described, in combination, a gun barrel having a front sight, clamp means mounted on said barrel adjacent to said sight and including a pair of grips provided on their upper ends with hook-like terminals providing keys, and an illuminator unit comprising a body having spaced walls defining an open ended tunnel-like passage enclosing said sight, said walls having grooved edges spaced apart, said grooves forming keyways, said keys fitting into the latter and said unit being bodily shiftable in relation to said keys and sight, a flashlight carried by said unit and embodying a flashlight bulb in and abutting the closed end portion of said receiver, a dry cell in said receiver, a coiled spring interposed between and spacing said dry cell and bulb, the open end portion of said receiver being screw-threaded, and a screw-plug screwed into said receiver and contacting said dry cell, said screw-plug serving to compress said spring and to press the dry cell into contact with said bulb.

2,546,243
SLIDE RULE WITH FLEXIBLE CALIBRATION-CARRYING ELEMENT
Ralph Tarshis, Brooklyn, N. Y., assignor of one-third to Sophie Lehman, New York, N. Y., and one-third to David Laub, Brooklyn, N. Y.
Application March 4, 1948, Serial No. 12,915
1 Claim. (Cl. 235—71)



In a slide rule having an endless flexible tape guided over spaced rollers to have superimposed stretches with one stretch overlying the other and a predetermined line of travel during endwise movement of the tape so that a multiplicity of points along the tape at the outer face thereof may be registered with a different one of a multiplicity of points on the inner face thereof, result-giving calibrations marked along the length of the outer face of the tape, complementary factorial calibrations marked along the length of the inner face of the tape and extended in a direction opposite the markings on the outer face of the tape, said result-giving calibrations being one-half the linear length of the factorial calibrations, and index-means for designating the appropriate result-giving calibrations in accordance with the extent of endwise movement of the tape to register any of the factorial calibrations on one face thereof, said index means being fixed relative to the tape to overlie and be in facial contact with the upper of said superimposed stretches, said tape being formed along its length between said scales with a spaced row of perforations into which a pointed object can be engaged for moving the tape relative to said result index-means.

2,546,244
INCREMENTAL ADDITION OF ALKALINE MATERIAL IN EMULSION POLYMERIZATION
Charles M. Tucker, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 19, 1947, Serial No. 749,067
8 Claims. (Cl. 260—84.1)

3. A process for the production of a polymeric material of high molecular weight, which comprises polymerizing in an aqueous emulsion a monomeric material comprising an unsaturated organic compound having a $CH_2{=}C<$ group by initially establishing a pH for said emulsion between 9.5 and 11.5, promoting said polymerization with a composition comprising 0.03 to 1 part of a water-soluble ferricyanide, 0.05 to 1 part of a diazo thioether having the formula

$$R—N{=}N—S—R'$$

wherein R is an aromatic radical and R′ is a member of the group consisting of aromatic, cycloalkyl and aliphatic radicals, 0.03 to 1 part of a water-soluble ferricyanide, and 0.05 to 1.4 parts of a mercaptan having four to twenty carbon atoms per molecule, all being parts by weight per 100 parts of said monomeric material, and during the course of the reaction adding a plurality of increments of an alkaline-reacting material selected from the group consisting of alkali metal hydroxides, phosphates, carbonates and pyrophosphates in an amount for each increment between 0.01 and 0.1 part per 100 parts of monomeric material.

2,546,245
SANDER
John G. Weigel, Cincinnati, Ohio
Application April 15, 1949, Serial No. 87,802
1 Claim. (Cl. 51—187)



A sandpaper holder comprising an elongated handle formed of sheet metal, a pair of angularly inclined side portions diverging from said handle, a substantially U-shaped reverted downwardly opening clamping jaw carried inwardly of the lower edge of each portion, a bottom plate, upturned ends on said bottom plate, a pair of upwardly convergent, resiliently expansible identical

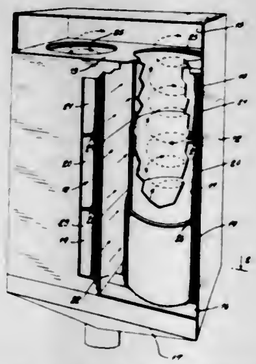
flanges carried by the opposite longitudinal edges of said bottom plate and engageable with said jaws interiorly of said angularly inclined portions and a detent adjacent each end of each flange for holding said flanges against endwise movement relative to said jaws.

2,546,246

APPARATUS FOR CENTRIFUGALLY SEPARATING SUSPENDED PARTICLES FROM GASES

Louis C. Whiton and John E. Watson, Westport, Conn., and Charles B. McBride, Port Chester, and Franklin Remington, Oyster Bay, N. Y., assignors to Prat-Daniel Corporation, East Portchester, Conn., a corporation of New York

Application June 10, 1947, Serial No. 753,670
8 Claims. (Cl. 183—83)



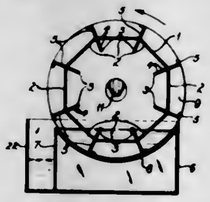
1. Apparatus for separating suspended particles from gases which comprises a sheet bent about a vertical axis to form an enclosure and with its vertical edges spaced and overlapping to form a tangential inlet to said enclosure, said enclosure being open at its upper and lower ends and unobstructed to the free passage of gases from said tangential inlet to said open ends, said sheet having slots transverse to its vertical edges, a dust collecting bin below the lower open end of said enclosure, an off-take chamber above said enclosure and having an opening substantially concentric with the axis of, and of substantially the same cross-sectional area as, said enclosure.

2,546,247

PROCESS OF RECOVERING BARITE FROM ITS NATIVE MATERIALS

William C. Wolf, Potosi, Mo.

Application December 17, 1947, Serial No. 792,139
2 Claims. (Cl. 241—14)



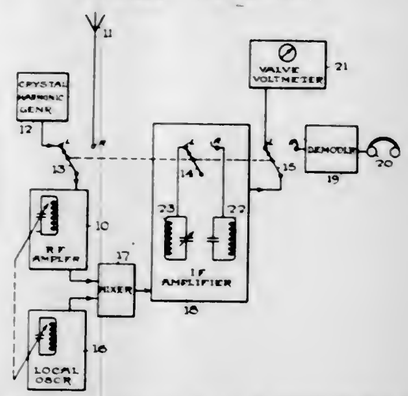
1. In the recovery of barite from unsized native materials composed of lumps of barite and lighter rock over a predetermined size together with fine material under the predetermined size, the process of selectively comminuting the over-size barite particles and separating the over-size lumps of lighter rock which comprises, providing a screen sized to pass material under the predetermined size, submerging part of said screen in a body of liquid, charging the unsized material into the body of liquid above the submerged part of said screen, repeatedly elevating the unsized material from and dropping the same into the body of liquid above the submerged part of said screen from an elevation which provides a free fall for a distance such that the kinetic energy gained by freely falling lumps just larger than said predetermined size is sufficient to fracture such lumps of barite upon impact with a rigid body adjacent the surface of said body of liquid but insufficient to fracture such lumps of lighter rock, and continuously passing the under-size material through the submerged part of said screen.

2,546,248

ELECTRICAL TEST APPARATUS

Arthur Henry Ashford Wynn, London, England, assignor to A. C. Cossor Limited, London, England, a British company

Application July 1, 1944, Serial No. 543,099
In Great Britain July 14, 1943
3 Claims. (Cl. 250—20)



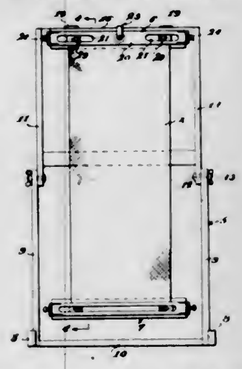
3. The combination with a superheterodyne radio receiver comprising an antenna, a radio frequency circuit continuously tunable over a range of frequencies, a local oscillator continuously tunable over a range of frequencies so as always to differ from the frequency of the radio-frequency circuit by a fixed amount, a mixer circuit to which the outputs of said radio-frequency circuit and said local oscillator are both fed and from which are delivered beat waves of a fixed frequency, and an intermediate-frequency amplifier including a resonant circuit fixedly tuned to said beat waves, of apparatus for determining the receiver tuning frequency comprising a stable generator producing a plurality of waves having frequencies spaced at equal intervals within the tuning range of said radio frequency circuit, switching means for alternatively connecting said antenna or said stable generator to said radio frequency circuit, an alternative tuning circuit embodied in said intermediate frequency amplifier and being tunable over a range of frequencies equal to the interval between adjacent frequencies generated by said stable generator, and switching means for substituting said alternative tuning circuit for said fixedly tuned circuit in said intermediate frequency amplifier.

2,546,249

PINLESS CURTAIN STRETCHER

Robert J. Aston, Pittsburgh, Pa.

Application May 7, 1948, Serial No. 25,651
4 Claims. (Cl. 45—24)



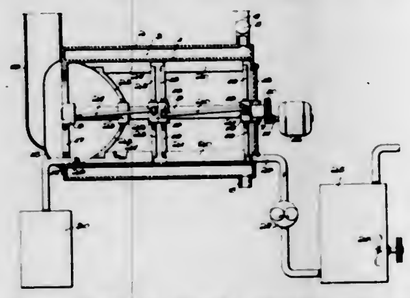
1. A fabric stretcher comprising an upper stretcher unit and a lower stretcher unit, means for supporting the upper unit, the lower unit being supported by the fabric and acting as a weight to stretch the fabric downwardly, each of said units including an outer member and an inner member, said inner members each being formed with a slot in each end thereof, a fabric-engaging clamp associated with each of the slots, said clamps each having affixed thereto a frictional spring slidably and adjustably disposed in an adjacent slot, and said spring being in the form of a pair of diverged spring elements adapted to be compressed and inserted into a selected portion of the adjacent slot.

2,546,250

PROCESS OF CONCENTRATING YEAST SLURRIES

Stanley L. Baker, Loveland, Ohio, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio

Application January 20, 1947, Serial No. 723,122
5 Claims. (Cl. 195—98)



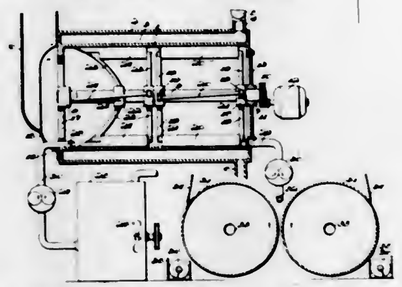
1. The process of partial concentration of a dilute yeast slurry containing not more than about 18% yeast solids to a solids content of about 25–45% which comprises spreading the slurry in a film on a heated evaporating surface with a maximum film depth of 0.3 inch, moving the film over said surface with agitation while maintaining a rate of heat input to said film sufficient to evaporate at least 35 lbs. of water per hour per square foot of film, and removing the slurry from said surface when the solids content thereof reaches the desired value in the range of 25–45%.

2,546,251

PROCESS FOR DRYING YEAST

Stanley L. Baker, Loveland, Ohio, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio

Application February 3, 1947, Serial No. 726,061
9 Claims. (Cl. 195—98)



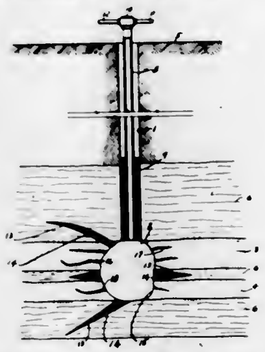
1. A process for producing dry yeast solids from dilute yeast slurries containing not more than about 18% solids which comprises partially concentrating the slurry to a solids content in the approximate range of 20–45% by moving a film thereof with agitation over a heated evaporating surface, the maximum depth of film being not more than 0.3 inch and the rate of heat input to said film being sufficient to evaporate at least 35 lbs. of water per hour per square foot of film, then further drying the hot partially concentrated still flowable slurry by forming a film thereof on the heated surface of a rotating drum dryer, and finally removing the dried solids from the drum surface.

2,546,252

METHOD OF PLUGGING WELLS

Ronald O. Bankson, Pittsburg, Kans., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware

Application July 19, 1946, Serial No. 684,733
3 Claims. (Cl. 166—22)



1. A process for recovering oil from subterranean oil bearing strata in a producing well having different permeabilities which comprises the step of introducing water in said well under pressure to establish a pressure differential between areas of infinite permeability and areas of measurable permeability, introducing a quantity of cement slurry to said area of infinite permeability in said input well under reduced pressure, injecting water in said input well to force the cement slurry from the well bore to said area of infinite permeability, shutting in the well

for a time sufficient for the cement slurry to set and partially plug the areas of infinite permeability, introducing a mixture of comminuted fibrous material and limestone under substantial pressure to follow said cement in said area of infinite permeability to complete closure of said area, and cleaning the excess of said material from the face of the strata of measurable permeability.

2,546,253
COLLAPSIBLE SPOOL
Eugene O. Beauregard, Holyoke, Mass.
Application August 20, 1945, Serial No. 611,460
1 Claim. (Cl. 242—72)



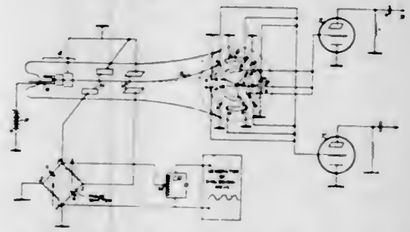
A collapsible spool comprising a tubular arbor member, externally-threaded portions on the ends of said arbor member, a radial slot in said member extending lengthwise thereof to said threaded portions, disk heads threadedly mounted on said threaded portions, a frusto-conical hub portion extending from each disk head inwardly towards one another, a key slidably mounted in said slot for movement radially of said arbor member axis, said key extending substantially the length of said slot and having its end portions tapered inwardly both radially and axially toward said arbor member axis, the inwardly tapered surfaces of the frusto-conical hubs of said disk heads engaging said tapered end portions whereby rotary movement of said disk heads on said arbor member relative thereto will force said key radially outwardly through said slot, a pair of ear elements extending longitudinally outwardly of said key from the inner tapered ends thereof and adapted to engage said arbor member to limit radial movement of said key by said disk heads.

2,546,254
ELECTROLYTIC WATER TREATING CELL
Robert E. Briggs, Los Angeles, Calif.
Application September 3, 1946, Serial No. 694,489
3 Claims. (Cl. 204—263)



1. Water softening apparatus, which comprises, an electrolytic cell having a porous diaphragm separating said cell into a cathode compartment and an anode compartment, an insoluble anode positioned in said anode compartment, a cathode positioned in said cathode compartment, a supply conduit connected to one portion of said cathode compartment for introducing hard water to be softened into said cathode compartment into contact with said cathode to form the catholyte in said cell, said cell having a constantly open conduit between said anode compartment and another portion of said cathode compartment to provide for free flow of catholyte into said anode compartment to form the anolyte therein, said constantly open conduit being the sole inlet conduit for flow of liquid into said anode compartment, means for passing a direct current between said anode and cathode through said anolyte and catholyte, whereby said anolyte tends to become acid and said catholyte tends to become alkaline and precipitate insoluble alkaline compounds of hardness producing materials from said hard water to thereby soften said hard water, a first discharge conduit connected to another portion of said cathode compartment for withdrawing softened water from said cathode compartment and discharging said softened water from said apparatus, said first discharge conduit being independent of any anode compartment, a second discharge conduit connected to said anode compartment for discharging anolyte from said apparatus independently of said softened water, whereby the discharged anolyte is replaced in said anode compartment by alkaline water flowing through said constantly open conduit from said cathode compartment, and a valve in said second discharge conduit for controlling said discharge of anolyte and the amount of alkaline water flowing into said anode compartment to thereby control the acidity of the discharged anolyte, said anode and cathode compartments being open to the atmosphere, whereby free flow of liquid through said constantly open conduit maintains substantially the same liquid level in both the anode and cathode compartments, said first discharge conduit being an overflow conduit for softened water, said second discharge conduit being an overflow conduit for said anolyte and being positioned substantially below said first discharge conduit, said anode compartment having a capacity sufficiently smaller than the capacity of said cathode compartment that continued discharge of anolyte through said valve upon interruption of said direct current and of the introduction of hard water through said supply conduit causes substantially all of the acid anolyte in said anode compartment to be replaced by alkaline water from said cathode compartment.

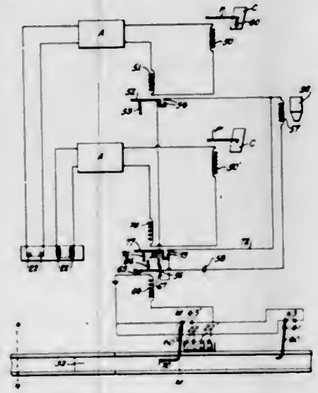
2,546,255
FREQUENCY MULTIPLIER
Daniel Charles, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application October 25, 1947, Serial No. 782,108
In France November 9, 1946
6 Claims. (Cl. 250—36)



2. A generator of electric impulses comprising, on the interior of a vacuum enclosure, means for producing a cathode ray beam, means for impressing on said beam a circular sweep movement, a plurality of electrodes arranged along a plurality of concentric circumferences, means acting on said beam so as to merge said circular sweep trace with any one of said circumferences, said electrodes being distinctly separated one from the other, each of them having the form of a band arranged along an arc of one of said circumferences, each electrode being composed of

a substance having a predetermined resistivity and provided with an input terminal and an output terminal, and means for abstracting from each of said electrodes and between their two terminals a voltage periodically variable in time which steadily increases during each period and then suddenly drops to zero.

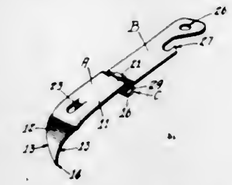
2,546,256
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application July 7, 1948, Serial No. 37,390
7 Claims. (Cl. 175—183)



1. In a rail flaw detector car adapted to travel over rails connected by joints which include joint bars, said car having means for energizing the rail with flux, means responsive to variations in said flux caused by defects in the rail, said responsive means responding substantially also to variations in said flux caused by the ends of the joint bars, a second means responsive to variations in said flux caused by defects in the rail, said second responsive means being relatively unresponsive to variations in said flux caused by the ends of the joint bars, an indicator, means whereby said first responsive means is normally effective to control said indicator and said second responsive means is normally ineffective to control said indicator, means actuated for the interval that said first and second responsive means are passing through the region of flux affected by the joint, and means actuated by said last-named means for rendering said first responsive means ineffective to control said indicator and for rendering said second responsive means effective to control said indicator in the region of a joint.

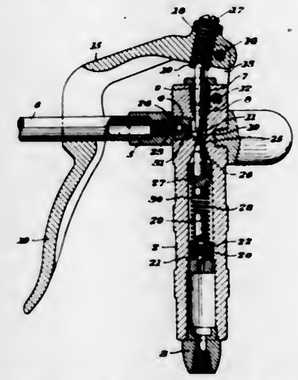
2,546,257
FOLDING CONTAINER PUNCH
George E. Eckman, Oradell, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1947, Serial No. 784,368
3 Claims. (Cl. 30—16)

1. A device for producing a pouring opening in a container wall, comprising a punch member, a handle member hingedly secured to and foldable against the punch member in jackknife fashion into a nonoperative position, said punch member at its outer end being deflected out of its plane and terminating in a piercing point and at its inner end terminating in a hollow pintle bearing of substantially cylindrical form, said pintle bearing including a locking wall section of a lesser degree of curvature than the remaining portions of said bearing, said punch member having a stop lug projecting beyond said punch member and engageable against said handle member for holding said punch member and said handle member in a rigid extended operating position when the members are unfolded, said handle member at its inner end terminating in a pintle engageable in said pintle bearing for hingedly connecting it to said punch member, said pintle having a face engageable with said locking wall section of said



pintle bearing for locking said handle member in nonoperating position when the handle member is folded against said punch member, said handle member when in folded position being disposed against and shielding said piercing point when the device is in folded position, and fulcrum means on said punch member for engaging under the top rim of a container to rock said punch member inwardly when said handle and punch members are in extended position, whereby to cut a portion of a container wall and to deflect inwardly said cut portion, said fulcrum means when the device is in folded position being disposed between said handle and punch members.

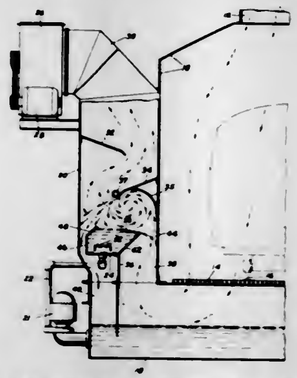
2,546,258
FLUID CONTROL MEANS
Richard R. Farrell, Oakmont, Pa., assignor to Universal Lubricating Systems, Inc., Oakmont, Pa., a corporation of Delaware
Application September 4, 1946, Serial No. 694,765
6 Claims. (Cl. 103—153)



2. A booster valve for a grease gun for applying to grease delivered under pressure from the grease gun a greatly increased pressure to enable the grease to overcome the resistance of "frozen" fittings or bearings comprising a body having a chamber therein adapted to be connected with the grease gun and to contain grease under the pressure imparted to it by the grease gun, a

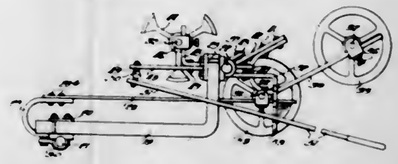
grease delivery connection extending from the body and communicating with the chamber adapted to be applied to a fitting or bearing through which grease is adapted to be delivered, a check valve in the body at the inlet to the chamber permitting grease from the grease gun to flow into the chamber toward the grease delivery connection but not in the reverse direction, a control valve in the chamber beyond the check valve in the direction of flow of grease toward the grease delivery connection, the control valve being effective when closed to prevent grease in the chamber from flowing toward the grease delivery connection, and means for operating the control valve, said means projecting into the chamber and being movable thereinto to effect substantially greater displacement therein when the control valve is open than when it is closed to displace grease in the chamber whereby to force grease under greatly increased pressure into said connection.

2,546,259
GAS WASHER
Orrin E. Fenn, Detroit, Mich., assignor to Peters-Dalton, Inc., Detroit, Mich., a corporation of Michigan
Application July 22, 1947, Serial No. 762,605
4 Claims. (Cl. 183—22)



1. In a gas washer, a water tank, an upright casing superimposing the tank and having an air inlet at the bottom, means communicating with the upper portion of the casing to draw air therethrough, a pair of vertically spaced baffles projecting from opposite walls of the casing downwardly and inwardly thereof into overlapping relationship, a partition extending transversely across the interior of the casing substantially parallel to the baffle supporting sides thereof, said partition spaced below the lowermost baffle and spaced between the opposite side walls of the casing dividing the lower end of the casing adjacent to the air inlet into upright front and rear passageways, a water trough extending along the top of said partition transversely across the casing, said trough having a front wall extending upwardly and forwardly partially overhanging said front passageway and forming a restriction therein between the top of said wall and the front wall of the casing, a flow plate extending rearwardly and upwardly from the front wall of the trough, and means for delivering water to said trough to flow over said flow plate and over the front wall of the trough across the restriction between the said front wall of the trough and the front wall of the casing, said lowermost baffle including a curved plate extending upwardly and inwardly from the front wall of the casing to a point spaced above the flow plate and then curving downwardly and inwardly to the inner margin of the plate on an arc of a shorter radius.

2,546,260
ROTARY PLANT CHOPPER AND CULTIVATOR
Jim C. Forney, Chilton, Tex.
Application March 22, 1946, Serial No. 656,282
5 Claims. (Cl. 97—17)



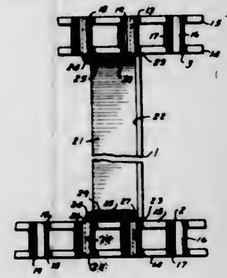
1. A weeding and plant thinning attachment for tractors including a vertically movable frame, a pair of relatively spaced shafts suspended from said frame and inclined to the vertical, a disc mounted on the lower end of each of said shafts, the edges of said discs being blunt and slightly overlapping and adapted to agitate soil on opposite sides of and across a row of plants, a third shaft depending from said frame forwardly of said first shafts and a rotary cutting element mounted on said third shaft having radial blades adapted to cut successive swaths in said row of plants to eliminate surplus plants and intervening weeds.

2,546,261
PILE WIRE AND METHOD OF WEAVING PILE FABRICS
Francis P. Groat, Bloomsburg, Pa., assignor to The Magee Carpet Company, Bloomsburg, Pa., a corporation of Pennsylvania
Application April 12, 1948, Serial No. 20,547
5 Claims. (Cl. 139—44)



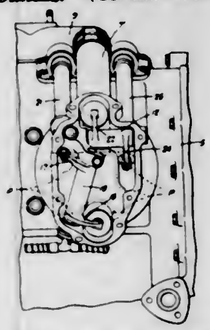
1. The method of weaving on a pile wire loom a pile fabric floor covering having a warp pile face including pile elements of graduated height which comprises inserting a pile wire having high loop forming portions and intervening low loop forming portions, the connecting portions between the low and high portions being inclined in opposite directions, weaving the pile warps over the high, low and inclined loop forming portions to form a weftwise row of high and low loops with loops of graduated height between each group of high and low loops, inserting a second pile wire having high and low loop forming portions and connecting portions between the high and low portions inclined in opposite directions, weaving the pile warps over the high, low and inclined loop forming portions of said second pile wire, withdrawing said first wire to convert all the loops thereon to a uniform height and converting the loops in said first-mentioned row in pile warps woven over the low and inclined loop forming portions of said second-mentioned wire to low loops and loops of graduated height by withdrawing said second-mentioned wire.

2,546,262
FLIGHT CONVEYER
Grant E. Hatcher, Lee's Summit, Mo., assignor to Sam Mulkey Company, Kansas City, Mo., a partnership composed of Stanley A. Mulkey and Lucile Mulkey
Application October 7, 1946, Serial No. 701,678
3 Claims. (Cl. 198—175)



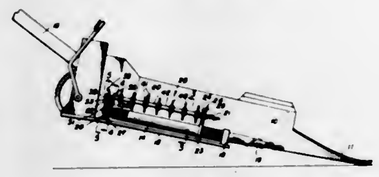
3. In a flight conveyor, spaced carrier chains formed of a plurality of pivotally connected links, said chains having a plurality of spaced transverse openings, conveyor flights arranged transversely between said chains, and a pair of spaced substantially parallel outwardly projecting legs on each end of said flights, said legs having free ends slidably and pivotally mounted in spaced transverse openings of said chains, the outer ends of each pair of legs having different spacing than the respective transverse openings for frictionally and resiliently engaging therein to removably secure the flights thereto.

2,546,263
VALVE-OPERATING MECHANISM
Joseph Lambert Jameson, Ewell, England
Application June 10, 1946, Serial No. 675,770
In Great Britain April 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1965
4 Claims. (Cl. 123—90)



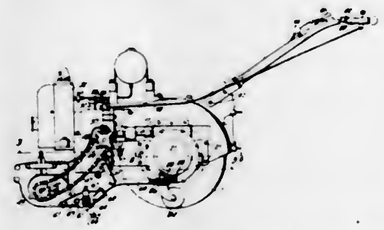
1. In an air cooled internal combustion engine, a cylinder having divergent overhead inlet and exhaust valves of the poppet type, an operating component for the inlet valve and an operating component for the exhaust valve, both operating components being disposed on the inlet valve side of the cylinder, a rocker shaft for the inlet valve, the said shaft being within the confines of the cylinder head and having rocker arms associated with the operating component for the inlet valve and with that valve, and a rocker shaft for the exhaust valve, the said rocker shaft for the exhaust valve extending across the head from the inlet valve side to the exhaust valve side and having rocker arms associated with the operating component for the exhaust valve and with that valve.

2,546,264
CORNHUSKING MACHINE
Owen R. Jones, Frankfort, Kans.
Application June 26, 1947, Serial No. 757,269
1 Claim. (Cl. 130—5)



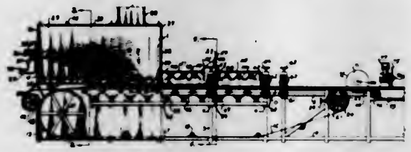
In a husking machine, a pair of husking rollers suitably journaled, an upper roller above said husking rollers and between the same, bearings for said upper roller, means for adjusting said bearings vertically, drive means between the husking rollers and the upper roller and adapted to permit movement of the upper roller toward and away from the husking rollers, said upper roller comprising a shaft having flexible disks mounted thereon in fixed spaced relation.

2,546,265
LAWN MOWER AND LAWN MOWER ATTACHMENT FOR TRACTORS
Cadwallader W. Kelsey, Troy, N. Y.
Application May 22, 1948, Serial No. 28,605
9 Claims. (Cl. 56—26)



1. A lawn mower comprising a tractor having a ground wheel; an internal combustion engine, means drivingly connecting said engine to said ground wheel, a grass cutting device comprising a plurality of blades, a frame in which said blades are revolvably mounted, means pivotally connecting said frame to said tractor in advance of said ground wheel to swing freely upwardly about a horizontally extending axis, compression springs cooperating with said tractor and said frame and yieldingly resisting downwardly swinging movements of said frame about said axis, and means operatively connecting said engine to said blades for revolving the same.

2,546,266
APPARATUS FOR MAKING INSULATION BATTS AND BOARDS
William J. Kropp, Wichita, Kans.
Application October 20, 1948, Serial No. 55,632
1 Claim. (Cl. 154—27)

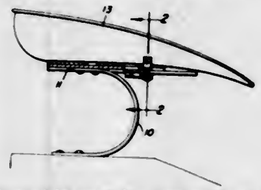


Apparatus for making fibrous insulation batts comprising, a hopper for ground fibrous material, a housing having side, end and top walls, a foraminous carrier positioned for forming a bottom of said housing, means for continuously passing said carrier under said housing, a stack connected to the upper part of the housing for escape of air and dust therefrom, means for receiving fibrous material from the hopper and blowing said material with air into the housing above the carrier and in the same direction as the movement of the carrier, the movement of air in the housing and through the stack substantially suspending the fibers in the air above the carrier, means for spraying an adhesive solution into the housing below the discharge of fibers therein and above the carrier for applying adhesive solution to the fibers whereby the adhesive sprayed fibers become heavier and gravitate toward the carrier for air laying a web of substantially only loose adhesive coated fibers onto the carrier in a random arrangement of heterogeneously interlocked, narrow, fuzzy fiber units, means for feeding the fibrous material from the hopper to the blower in accordance with the rate of movement of the carrier to control the depth of fibers deposited thereon, a plurality of banks of infrared lamps under the carrier and extending from under the housing to a selected compacting stage of the web for directing heat through the carrier into the loose, fibrous material carried by the carrier, a plurality of banks of infrared lamps above the carrier from the housing to a selected stage of compaction of the web for directing heat into the web thereon for cooperation with the lamps under the carrier to progressively dry the adhesive coating of the fibers throughout the thickness of the web, means for compacting the fibers on the carrier while the adhesive is partially dried, means for further drying the adhesive in the fiber web, and a plurality of stages of compacting means for compressing the fiber web to a desired thickness and uniform density to form a self-contained insulation batt of only fibrous material in uncovered condition.

2,546,267
PURIFICATION OF GRISEIN
Frederick A. Kuehl, Jr., Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 4, 1948, Serial No. 58,355
3 Claims. (Cl. 167—65)

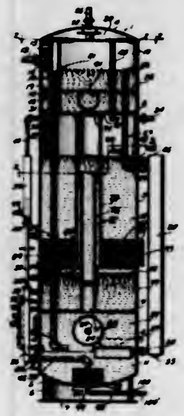
1. The process for purifying grisein, which comprises contacting an aqueous solution of high potency grisein with silver oxide, thereby adsorbing the impurities present in said solution on said silver oxide, removing said silver oxide and recovering purified grisein from the filtrate by extraction with a phenol-chloroform mixture and precipitation with ether.

2,546,268
ADJUSTABLE SEAT FOR FARM IMPLEMENTS
Edgar L. Legris, Kankakee, Ill., assignor of fifty per cent to Louis Legris, Kankakee, Ill.
Application October 16, 1947, Serial No. 780,122
2 Claims. (Cl. 155—14)



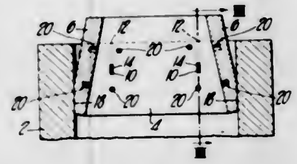
1. An adjustable seat for use with a rectangular seat plate of the type having a plurality of apertures regularly spaced along one side thereof, said seat including a frame comprising a pair of spaced parallel guide members, one of said members being formed with a vertical opening registrable with the perforations in the seat plate, said members being adapted to slidably engage the underside of the plate, a pair of spaced parallel spacers superimposed on the upper faces of the guide members adjacent their outermost edges, a pair of spaced transversely extending parallel seat supporting plates secured to the upper faces of the spacers, a seat secured on the last-mentioned plates, a latch pivoted to one of the members and having a locking end engageable in the opening in the member and selectively registrable in the perforations in the seat plate for holding the frame and seat in various positions thereon, said latch projecting beyond the member and resilient means anchored between the underside of the seat and the latch for yieldingly urging said locking end into locking engagement in the seat plate.

2,546,269
METHOD AND APPARATUS FOR TREATING LIQUID MIXTURES
Isaac W. Lovelady, Oklahoma City, Okla., assignor to Black Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application October 18, 1946, Serial No. 704,177
18 Claims. (Cl. 183—2.7)



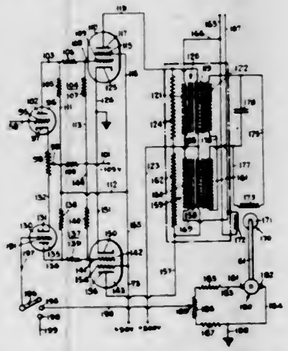
1. The method of treating petroleum mixtures containing free water and gas together with an oil-water emulsion including, separating the free gas and free water from the oil-water emulsion, heating said emulsion after separation of the free gas and water to free the water and oil components of said emulsion, settling the water component from the oil component, keeping the vapors evolved in the heating of said emulsion out of contact with settled water and oil components while bringing said vapors into heat exchange relation with the relatively cool free water for condensing said vapors, and returning the condensate to the separated oil component.

2,546,270
TREATING BIG-END-DOWN INGOTS
Edgar Marburg, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application February 13, 1948, Serial No. 8,171
4 Claims. (Cl. 22—200)



1. A method of treating big-end-down ingots which comprises placing a hot top on a mold, pouring hot metal into the mold, completely stripping the mold from the ingot between approximately 15 and 45 minutes after pouring while retaining the hot top in place on the ingot, permitting the ingot to stand with the hot top in place until the ingot has substantially solidified, removing the hot top and then charging the ingot into the soaking pit.

2,546,271
MOTOR CONTROL SYSTEM
Henry F. McKenney, Flushing, and William H. Newell, New York, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application November 22, 1946, Serial No. 711,616. Divided and this application December 21, 1946, Serial No. 717,718
1 Claim. (Cl. 318—257)

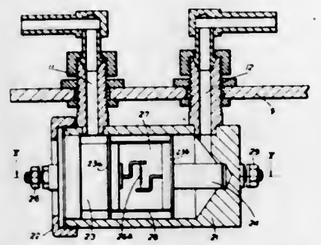


A motor control system comprising a reversible motor having a control winding, a pair of saturable core transformers having secondary windings connected in opposition to said control winding for energizing said control winding in response to an unbalance of the voltages in said secondary windings, saturating windings on said transformers, a control channel connected to control the energization of said saturating windings and including an inverter stage comprising a pair of electronic amplifier tubes having their outputs connected respectively to control said saturating windings, having separate control grid leads and having cathodes connected to a common lead, a self-biasing resistor connected in the common cathode lead for causing mutual variation in an opposite sense and means supplying a control signal to the control grid of one of said tubes, a feed-back signal generator driven by said motor and generating a voltage which varies in amplitude and direction as a function of the generator speed, and means supplying the feed-back signal to the control grid of the other of said tubes to oppose the effect of said control signal and to cause the motor to operate at a speed which is a function of the amplitude of said control signal.

2,546,272
CONVERSION OF HYDROCARBONS USING AMMONIUM IODIDE CATALYST
Harry Louis Pelzer, Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 3, 1947, Serial No. 752,256
4 Claims. (Cl. 196—52)

1. A process for cracking heavier hydrocarbons to form lighter hydrocarbons in which the heavier hydrocarbon in vapor phase and in admixture with a catalyst consisting solely of anhydrous ammonium iodide is heated to a temperature within the range of about 720 to about 820° F. at about atmospheric pressure for a period of time sufficient to effect the desired conversion.

2,546,273
APPARATUS FOR DETECTING EXPLOSIVE GASES
Ralph Poole, London, England
Application February 21, 1944, Serial No. 523,380
In Great Britain February 26, 1943
10 Claims. (Cl. 23—255)



1. Apparatus for detecting explosive gases including in combination a Wheatstone bridge circuit, an electrically heated detector filament, a compensating filament, the filaments having similar temperature coefficients, a common support on which the filaments are mounted adjacent to one another including a common partition which prevents direct radiation of heat from one filament to the other said filaments being exposed for their entire length on either side of said partition to the same stream of gas, a casing enclosing a chamber in which the support carrying the filaments is disposed, means for introducing gas to be tested and a measuring instrument connected across the bridge.

2,546,274

DERIVATIVES OF DISUBSTITUTED METHANE COMPOUNDS AND METHOD OF MAKING THEM

Gordon James Pritchard, Halewood, Liverpool, England, assignor to Ward Blenkinsop & Company Limited, London, England, a company of Great Britain

No Drawing. Application June 23, 1947, Serial No. 756,564. In Great Britain October 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1965
11 Claims. (Cl. 260—433)

1. A method of manufacturing new derivatives of methane in which a sulphonic acid selected from the group consisting of aromatic mono-, di-, and polysulphonic acids, and hydroxy, halogen and amino substituted aromatic mono-, di-, and polysulphonic acids, all of said acids having at least one replaceable hydrogen atom in the aromatic ring, a carbonyl compound selected from the group consisting of compounds of aldehydic function having at least two carbon atoms and ketones, and a compound of the formula $R_3.Hg.A$, where R_3 is a radical selected from the group consisting of alkyl, aryl, aralkyl, and heterocyclic radicals and A is an acid radical are reacted.

2,546,275

INSTRUMENT ADAPTED TO COMPARE HEAT AREAS FOR DETERMINING SUBLUXATIONS

Daniel P. Redding, Kansas City, Mo.

Application December 22, 1948, Serial No. 66,622
12 Claims. (Cl. 128—2.1)



1. An instrument of the character described including a supporting structure, two series of thermopiles on the supporting structure in laterally spaced relation to engage respectively the side areas of the neck of a patient substantially between the fifth cervical vertebra and occiput of the skull, a directional and amplitude current flow indicator, means connecting thermopiles of one series in electrical connection with corresponding thermopiles of the other series, and means for progressively closing circuit through the corresponding thermopiles of the two series and said indicator to render the indicator effective in indicating magnitude and directional flow of current through the thermopiles as they are connected in circuit with the indicating means.

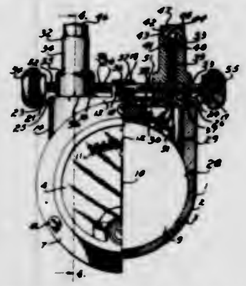
2,546,276

INSTRUMENT FOR DETERMINING SUBLUXATIONS IN THE SPINE OF A PATIENT

Daniel P. Redding, Kansas City, Mo.

Application December 22, 1948, Serial No. 66,623
7 Claims. (Cl. 128—2.1)

1. A device of the character described including a casing, an indicating instrument in the casing, a pair of detectors, thermocouples carried by the detectors, means for slidably mounting the detectors on the casing for movement to and from each other, a screw shaft having right and left connections with the detectors, means rotatably mounting said shaft in the casing and retaining the shaft from axial movement with respect thereto, a knob on the shaft for turning the shaft for effecting said movement of the detectors, and electrical connections between the



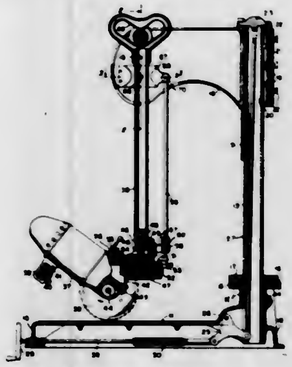
thermocouples and indicator and having portions movable with the detectors.

2,546,277

STRAIGHT-LINE SWINGING SAW

Howard V. Schwandt, Weston, Oreg.

Application January 29, 1947, Serial No. 724,965
11 Claims. (Cl. 143—46)



5. A saw mechanism comprising in combination, a work table, a standard extending upward from said table, a head secured to said standard and projecting over said table, an arm depending from said head, a power driven saw pivotally supported by the lower end of said arm, a bearing supported on a horizontal axis by said head, a cam secured to the upper end of said arm for engagement with said bearing, a yoke pivotally connected to said arm adjacent said cam and guided for vertical movement in said head, a tie rod pivotally connected at its upper end to said yoke and pivotally connected to said saw support, whereby said saw may be swung back and forth in a straight horizontal path.

2,546,278

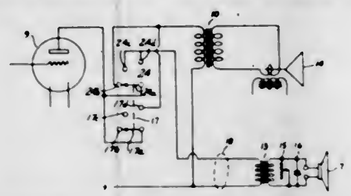
SOUND REPRODUCING SYSTEM

Roy William Skene, Rouyn, Quebec, Canada

Application September 1, 1944, Serial No. 552,271
3 Claims. (Cl. 250—20)

1. In combination a radio receiver, a pair of speaker circuits, a double-pole-double-throw switch for selectively connecting the speaker circuits to the output circuit of the radio receiver having its movable contacts connected to the output circuit of the radio receiver and its stationary contacts respectively connected to the speaker circuits, and a double-pole-single-throw

switch having its movable contacts connected to one of the speaker circuits and its stationary contacts connected to the other speaker circuit,



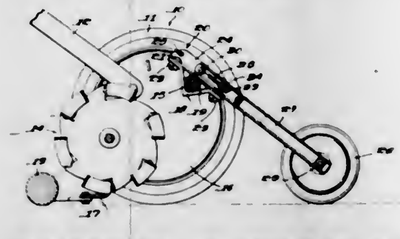
said double-pole-single-throw switch, when closed, connecting the speaker circuits to operate in unison when said double-pole-double-throw switch is closed on either side.

2,546,279

ARM AND WHEEL FOR LAWN MOWERS

Thomas J. Stahl, Long Beach, Calif.

Application January 10, 1950, Serial No. 137,752
2 Claims. (Cl. 56—253)



1. In a lawnmower, the combination with a rotary cutter, a stationary blade for coacting with said cutter, a horizontally disposed roller, side wheels, and a horizontally disposed tie rod extending between said side wheels, of a wheel mechanism operatively connected to said tie rod, said mechanism comprising a plate provided with a V-shaped recess for receiving therein one side of said tie rod, a bracket arranged on the other side of said tie rod and secured to said plate, a vertically disposed web projecting upwardly from said bracket, there being a notch in each end of said web, said web being provided with an opening intermediate its ends, a pair of channel-shaped arms arranged on opposite sides of said web, a securing element projecting through the opening in said web and into engagement with said arms for pivotally connecting said arms to said web, there being a slot in each of said arms, a lock pin projecting through said pair of slots and adapted to be seated in one of the notches of said web, a wheel mounted between the free ends of said arms, and coil springs for urging said pin into one of said notches.

2,546,280

FISHING ROD HOLDER

Peter W. Stein, Chicago, Ill., assignor of one-half to Anthony F. Formato, Chicago, Ill.

Application June 9, 1947, Serial No. 753,401
1 Claim. (Cl. 248—42)

A fishing rod holder comprising a metal member forming a support for a fishing rod and having at its forward end an abutment for a fishing rod and having a rod-receiving eye member secured thereto and spaced from the abutment in a direction lengthwise of the rod and adapted to hold a rod on the abutment, said eye being flexible in a direction towards and from the abutments about an axis spaced below and at right angles to an imaginary line joining the abutment with the eye, and said member being at such an



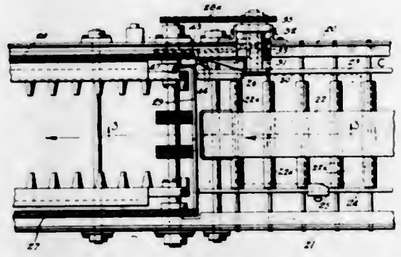
angle to said imaginary line as to wedge with a fishing rod extending therethrough when an attempt is made to draw the rod through the eye lengthwise in the direction towards the tip of the rod while permitting such movement freely in the opposite direction.

2,546,281

CONTAINER SEALER FEEDER AND SAFETY DEVICE

Richard C. Talbot, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois

Application April 19, 1946, Serial No. 663,449
7 Claims. (Cl. 198—23)



7. A case or container sealer comprising a flap-sealing zone, means for feeding or carrying cases with unsealed flaps through said zone, means for supplying said cases to said carrying means, a stop for engaging the thus supplied cases prior to their delivery to the feeding means, pusher means for freeing said cases from said stop movable athwart said case delivery means in synchronism with the case feeding means to push cases sidewise out of engagement with said stop after the carrying means have picked up and so moved the immediately preceding case that a predetermined interval normally exists between succeeding cases, a Z bracket mounted by one of its arms on said pusher, and a detector mechanism including an engageable feeler mounted on the other arm of said Z bracket, said feeler being projected into said normally open case interval upon each case-freeing movement of said pusher.

2,546,282

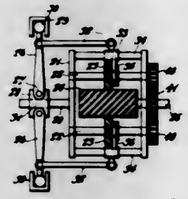
VARIABLE-SPEED GEARING

Reginald Warren, Dorking, England

Application February 15, 1946, Serial No. 647,783
In Great Britain May 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1964
16 Claims. (Cl. 74—63)

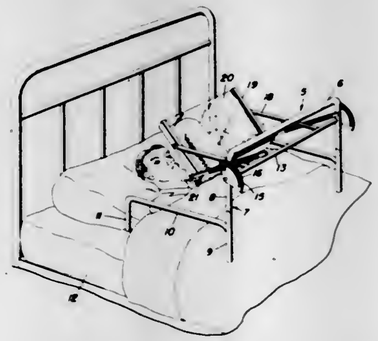
1. Variable speed gearing comprising a support, a driven shaft rotatably mounted in said support, helical gear means fixed on said driven

shaft, a plurality of helical gear means arranged in said support and parallel to and around said driven shaft and continuously in engagement with the gear means fixed thereto, each of said gear means in said support being axially movable in said support and being non-rotatable in



one sense during movement in one direction and rotatable in that sense during movement in the opposite direction, wobbling means operatively connected with each of said gear means, a driving shaft connected to said wobbling means and means for varying the angularity of said wobbling means.

2,546,283
BED TABLE FOR SUPPORTING A BOOK FACING DOWNWARDLY
Douglas G. Webster, Falconer, N. Y.
Application January 31, 1949, Serial No. 73,752
1 Claim. (Cl. 311—28)



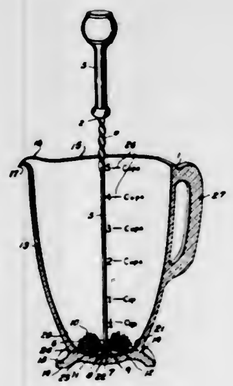
A table for supporting a book for reading by a person lying in bed comprising a sheet of transparent material for supporting the book face down, a frame for said sheet having sides, and a stand including a pair of side rails, front and rear side legs connected in side pairs by said side rails for resting on the bed in pairs upon opposite sides of the body of the person, said rear legs extending above said front legs and side rails, a rear cross member connecting said rear legs above said side rails, and means suspending said frame at its sides on said cross member in forwardly offset relation thereto and with said sheet tilted upwardly and forwardly of the support over the face of the person comprising pairs of bars having front ends pivoted to opposite sides of the frame at longitudinally spaced points thereon, one pair of bars having rear ends rigidly connected to said cross member, the other pair of bars crossing the rigidly connected pair and being pivotally and slidably connected thereto for adjustment to vary the tilted position of said sheet relative to the rigidly connected bars.

2,546,284
ELECTRICAL SWITCH
August L. Weisbecker, Williamstown, N. J.
Application September 7, 1948, Serial No. 48,069
12 Claims. (Cl. 200—90)



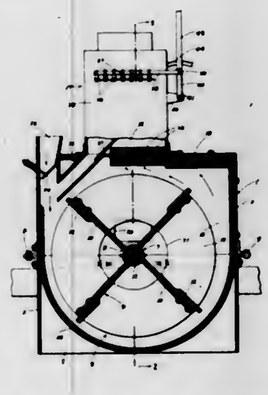
1. A switching device for operation at switching rates of the order of 100 cycles per second and switching intervals of a few microseconds comprising: an elongated torsional spring element; means for rigidly supporting said element at its opposite ends to allow torsional deflection of the intermediate portion thereof; means to apply a recurrent torsional stress to said element to produce oscillatory motion about its longitudinal axis; an electric switch including a movable switch arm mounted adjacent said element; and lever means, one end of which is attached to said spring element and the other end of which is operatively connected by means of a lost motion connection to said switch arm, whereby said switch is operated by said lever means striking hammer blows on alternate sides of said switch arm as said spring element is oscillated.

2,546,285
MIXING RECEPTACLE
Joseph H. Wittmann, Los Angeles, Calif.
Application May 26, 1947, Serial No. 750,433
5 Claims. (Cl. 259—101)



1. A mixing vessel of plastic material having an integral bottom and side wall with inwardly curving inner surfaces, a wear resistant plate in contact with said bottom and having a marginal surface joining with the inwardly curving surface of the side wall and having a rim portion embedded into the material of said vessel to maintain said surface in registry with the surface of said plate for forming a smooth continuation of the inner surfaces of said side wall.

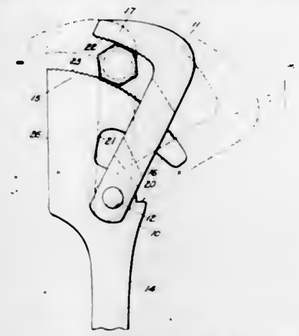
2,546,286
ROTARY BEATER MILL WITH IMPERFORATE CONCAVES, VERTICAL BAFFLED DISCHARGE, UPPER ANVIL PLATE, AND AIR AND MATERIAL INLETS
Paul Zakel, Stockton, Calif.
Application June 28, 1947, Serial No. 757,879
7 Claims. (Cl. 241—50)



5. An ore reduction mill comprising a substantially rectangular housing having an ore feed opening and a separate reduced ore outlet, a driven rotor journaled in the housing on a horizontal axis, an arcuate breaking plate in the housing surrounding substantially the lower half portion of the rotor to form a reduction chamber, an anvil disposed in the top of the housing on that side of such top which is opposed to the direction of movement of the rotor, such anvil having a horizontal under face which lies in a plane substantially tangent to the upper side of the rotor and the reduced-ore outlet lying adjacent the inner edge of the anvil and above the rotor; and a classifying grate disposed in said outlet, said grate comprising a plurality of flat baffle plates disposed on edge in closely spaced face to face relation; the lower edges of the plates lying closely adjacent the horizontal plane of the under face of the anvil.

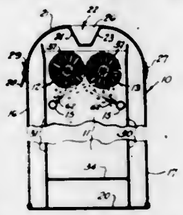
2,546,287
WRENCH HAVING PIVOTED OUTER JAW PROVIDED WITH GUIDE SLOT FOR HANDLE-JAW EXTENSION
Albert V. Zeigert, St. Paul, Minn.
Application May 26, 1949, Serial No. 95,453
2 Claims. (Cl. 81—98)

2. The combination in a wrench of a head forming a stationary jaw and having a handle with a movable jaw having a bifurcated extremity straddling and pivotally connected to said heads, said jaws having serrated gripping surfaces oppositely disposed to each other, a curved guide in the form of an extension to the rear of said head, a slot in said movable jaw of a dimension to permit movement through same of said guide and maintain transverse stability and true position when in operation by reason of the interengagement of said guide with said slot and said bifurcated movable jaw extremity with said head, stops for extreme limiting positions of said movable jaw formed by a recess provided in said head between said guide and said pivotal connection and having surfaces engaged respectively by opposite sides of that portion of said movable jaw which lies between the guide slot and the bifurcated extremity, whereby within the range



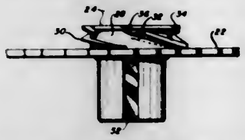
defined by said stops, instant and secure adjustment of the wrench may be had to a work piece.

2,546,288
BRUSH CARRYING DEVICE FOR CLEANING ARTICLES OF CLOTHING
Morris Zucker, East Orange, N. J.
Application September 15, 1947, Serial No. 774,009
2 Claims. (Cl. 68—85)



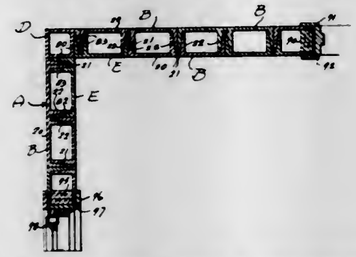
1. A device for cleaning articles of clothing and the like comprising a housing; the housing comprising opposed end members, the upper edges of said end members being of upwardly directed arcuate form, opposed side members, a base member, said members being secured along corresponding edges, a cover member hingedly disposed along the upper edge of one of the opposed members, the cover member being of arcuate cross section and adapted to coact with the upper edges of the opposed members and having a longitudinal slot formed therein substantially along the longitudinal center line thereof; the device further comprising a tank with open top disposed in the housing, the tank comprising opposed end members, opposed side members, and a base member, said members being secured along corresponding edges and in spaced relationship with corresponding members of the housing, the upper portions of the opposed members of the tank flaring upwardly and outwardly in the cover member of the housing when in the closed position; the device further comprising two cylindrical brushes rotatably disposed in the opposed end members of the tank, the brushes making longitudinal contact with each other along the center line of the slot in the cover member when closed and substantially below the same, means rotating one end of the axis of one brush relative to the other, means rotating said brushes inwardly into the tank along the line of contact of said brushes, means applying cleaning fluid against the brushes, and means removing the spent cleaning fluid from the tank.

2,546,289
ALARM CLOCK
Raymond V. Adduci, Waterbury, Conn., assignor to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut
Application January 16, 1947, Serial No. 722,334
5 Claims. (Cl. 58—21.1)



1. In a timepiece having a time train and an alarm train supported by a frame and a single spring for driving both trains; a winding arbor, an alarm train main wheel fixed to said arbor and having a hub, said hub having a radial flange thereon, a resilient member mounted on the hub and having a radially projecting tail engaging said flange, said flange having ratchets on one side thereof to be engaged by the tail of the resilient member, whereby the tail of the resilient member will move past the ratchets in one direction but not in the other direction, a stop fixed in a position to be engaged by the tail of the resilient member whereby the alarm train main wheel may be freely manually rotated in one direction but cannot be rotated in the other direction substantially more than one revolution.

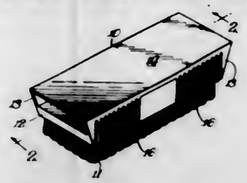
2,546,290
WALL STRUCTURE
Roy W. Anderson, St. Joseph, Mich.
Application March 11, 1944, Serial No. 526,027
3 Claims. (Cl. 20—4)



1. In a construction for use in the building of walls, the combination of a corner unit of hollow polygonal cross section provided at adjacently disposed sides with tongues spaced from the respective sides to define sockets, said sockets opening inwardly at the juncture of said sides, and walls cooperatively arranged with respect to the corner unit each comprising inner and outer body panels and interfitting studding parts spacing said panels, the inner body panels of each of said walls having adjacent to said corner unit a complementary tongue extending normal to the plane of the respective panel and extending into and fitting in a fixed relation in a socket of the corner unit.

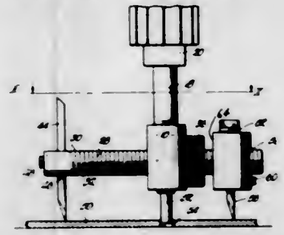
2,546,291
SURGICAL HAND BRUSH
John G. Baumgartner, Oswego, Ill.
Application May 9, 1947, Serial No. 747,004
2 Claims. (Cl. 15—160)

1. A hand brush comprising a one-piece plastic back which is substantially oblong in outside configuration and having four relatively thin walls, with opposite walls thereof spaced apart from one another and providing therebetween a hollow bore open at each end and extending longitudinally of the long dimension of said back, bristles secured in one of said walls, two of the remaining said walls being integral with said



bristle-carrying wall and oppositely disposed from one another, and serving as hand holds for holding the brush in the hand, and the fourth of said walls spaced from said bristle-carrying wall and integral with each of said two hand-hold walls to complete the four-wall-hollow-bore plastic back.

2,546,292
CUTTING TOOL
William D. Bell, Kansas City, Mo.
Application August 30, 1946, Serial No. 694,034
2 Claims. (Cl. 164—71)



2. A cutting tool of the kind described comprising a block having a pair of intersecting bores formed therethrough; a screw extending through one of the bores; a nut rotatably supported by the block and in threaded engagement with the screw for moving the block along the screw upon manipulation of the nut; a cutter blade carried by the screw near one end thereof; and a shank in the other bore of the block adapted to mount the tool in the chuck of a drill press or the like, said shank and the block being in screw-threaded engagement for moving the shank into tight engagement with the screw upon relative rotation of the shank and the block, said screw being provided with a flat face thereon for engagement with the shank, said shank having a pressure plate loosely mounted at the end thereof adjacent to the screw, said plate extending outwardly from the shank along the flat face of the screw, said pressure having a pintle thereon, said shank having an axial socket provided therein for receiving the pintle and precluding displacement of the pressure plate.

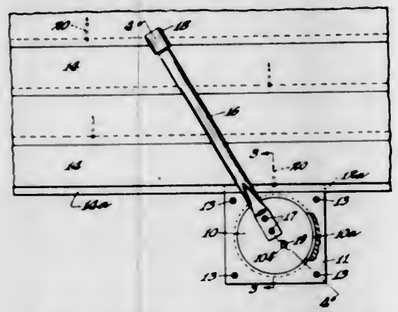
2,546,293
VARIABLE AREA TAIL PIPE FOR JET ENGINES
Henry A. Berliner, Washington, D. C.
Application January 24, 1949, Serial No. 72,356
1 Claim. (Cl. 60—35.5)

A jet propulsion unit comprising a resilient tail pipe of flattened cross-section having two parallel walls connected at their ends by diverging arcuate walls, two pairs of brackets respectively mounted adjacent the upper and lower outer surfaces of said tail pipe, two shafts respectively journaled in said pairs of brackets, each shaft lying adjacent to and parallel with one of the parallel walls of said tail pipe, a cam mounted on each shaft adjacent the mid-point



of one of the two parallel walls and having arcuate faces adjacent said pipe, and means for rotating said shafts thereby forcing the cam faces toward each other and into engagement with the tail pipe to deform the cross-section of the tail pipe to substantially figure-of-8 shape to reduce the area of the pipe.

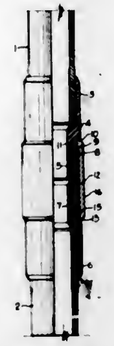
2,546,294
FLOOR BOARD TIGHTENER
Ray E. Blomstrom, Pillager, Minn.
Application August 14, 1946, Serial No. 690,539
2 Claims. (Cl. 254—16)



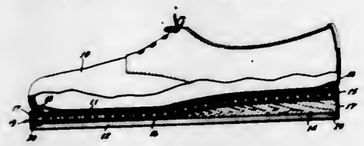
1. A floor-tightening device having in combination, a circular disc having a peripheral rib formed thereon, upper and lower plates fitting over said rib and surrounding said disc, said disc being revoluble between said plates, said lower plate being adapted to rest on a floor support and one of said plates having a rectilinear side constructed and arranged to engage the side of a floor board, a handle secured to and extending upwardly and laterally to one side of said disc, said disc having an aperture extending vertically therethrough at one side of the center thereof, and a pin adapted to extend through said aperture into the floor support whereby when said handle is turned said disc will rotate about said pin and said plates will be moved laterally.

2,546,295
TOOL JOINT WEAR COLLAR
Elvin G. Boice, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application February 8, 1946, Serial No. 646,458
2 Claims. (Cl. 308—4)

1. A tool joint comprising coupling members having opposed shoulders in the connection therebetween, a wear collar slidable over the exterior surface of one of the members and having an annular inturned flange at one extremity thereof with said flange being engageable between the opposed shoulders of the coupling members when the latter are assembled together, said collar encasing a substantial portion of the member upon which it is mounted whereby that end of the collar remote from the flange is spaced a substantial distance from the flange, and a resilient retaining element carried by the wear collar adjacent the end of said collar spaced from the flange and adapted to frictionally engage the exterior of the coupling member which the collar encircles to frictionally retain the wear collar in position on said member.

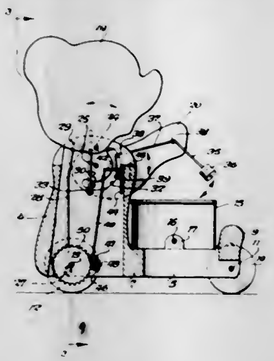


2,546,296
CUSHION PLATFORM TYPE SHOE CONSTRUCTION
Walter Braun, Los Angeles, Calif.
Application June 25, 1948, Serial No. 35,190
2 Claims. (Cl. 36—19.5)



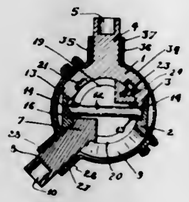
1. A shoe construction of platform type comprising an upper attached to an insole, an outsole, and a platform intermediate the insole and outsole, said insole, outsole and platform being substantially co-extensive in outline with their edges substantially vertically co-inciding, said platform comprising a cushioning pad co-extensive with the insole formed of sponge rubber with a smooth unbroken surface in contact with the insole, and an open cellular surface on the lower side, said cellular surface including vertical walls extending in transverse directions and intersecting, the edges of said walls all lying in a plane parallel to the plane of the smooth surface, a relatively thin imperforate substantially non-elastic but flexible mounting sheet coextensive with the outline of said pad and adhesively secured to the edges only of said walls and providing an unbroken attaching surface for an edge covering, the adhesive coating the entire surface of said mounting and forming a flexible film thereover which strengthens said mounting, and an edge covering extending around the pad and mounting and turned in and secured to the lower marginal surface of said mounting.

2,546,297
SOUNDING WHEELED TOY
Jesse F. Brice, East Aurora, N. Y., assignor to Brice Toy & Novelty, Inc., East Aurora, N. Y.
Application June 24, 1949, Serial No. 101,181
14 Claims. (Cl. 46—98)



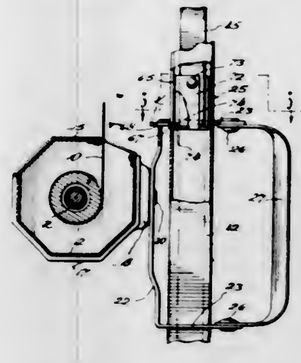
1. In a toy, the combination of a frame, a shaft rotatably mounted on said frame and having a crank portion, a head and two arms pivotally mounted on said frame for oscillatory movement relatively to said frame, a connecting rod connected at one end to said crank and at the other end with said head in spaced relation to the pivotal mounting of said head to produce oscillatory movement of said head during rotation of said shaft, a pin connecting said arms and located in eccentric relation to the pivotal mounting of said arms, and an extension on said head movable into and out of engagement with said pin during oscillatory movement of said head, to raise said arms intermittently.

2,546,298
HIGH-SPEED FLEXIBLE JOINT
John W. Browning, Havre, Mont., assignor of two per cent to Edwin Obie and Ann Y. Obie, both of Bozeman, Mont.
Application October 27, 1947, Serial No. 782,307
5 Claims. (Cl. 64—7)



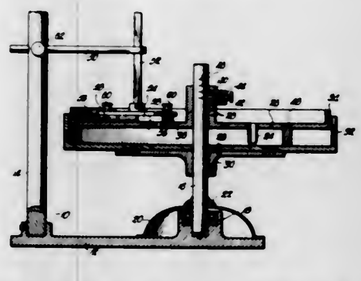
1. In a flexible shaft coupling, the combination with a ball having an interior slot and an exterior shank, an enclosing spherical socket having a circular opening for the shank, and an exterior shank on the socket member, of a coupling pin rigidly mounted in the socket-wall and extending through said slot, spaced bearing rollers journaled on the pin and opposed arcuate bearing faces on the ball for said rollers, and coacting means on the ball and socket members to limit the relative angular movement of said members.

2,546,299
PORTABLE PROJECTION SCREEN
Leo J. Du Mais, Chicago, and John T. Heck, Elmhurst, Ill., assignors to Da-Lite Screen Co., Inc., Chicago, Ill., a corporation
Application July 18, 1946, Serial No. 684,578
6 Claims. (Cl. 160—24)



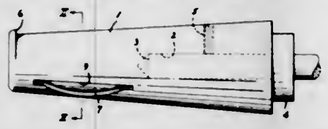
1. A combination screen and stand comprising a screen reel and housing therefor, a stand comprising inner and outer telescopic members, a bracket carrying the screen housing slidably mounted on the outer telescopic member, and interlocking means retaining the bracket on the stand, a member on the inner telescopic member engaging with said interlocking means after said inner telescopic member has been partially raised, after which said bracket and housing may be elevated as a unit with said inner telescopic member.

2,546,300
CAPSULE FILLING MACHINE WITH A VERTICALLY RECIPROCABLE V-SHAPED SWEEP
Ralph M. Fritts, Kansas City, Mo.
Application May 13, 1946, Serial No. 669,311
4 Claims. (Cl. 226—40)



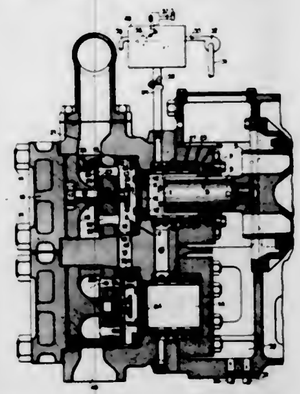
1. A capsule filling machine comprising a pair of relatively superimposed plates mounted for rotation on a vertical axis; a number of capsule-receiving perforations formed in the uppermost plate; an elongated stem mounted for free, vertical reciprocation on the longitudinal axis thereof; and a V-shaped sweep overlying the plates and secured to the stem at the lowermost end of the latter for free floating, vertically reciprocable movement therewith toward and away from a position resting on said upper face of the uppermost plate.

2,546,301
CONE HOLDER FOR CREELS
Henry B. Garden, Paoli, and Henry J. McDermott, Collingdale, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 6, 1946, Serial No. 708,092
4 Claims. (Cl. 242—130)



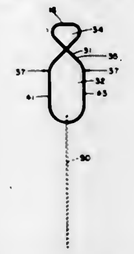
1. A yarn core holder having an external conical surface for receiving a yarn core, support means secured to and extending from the larger end of the holder, an eccentric flange at the unsupported end of the holder for normally preventing longitudinal movement with the yarn core relative to the holder, and resilient means in the surface of the holder on the side thereof opposite the flange for engaging the interior surface of the yarn core.

2,546,302
FLEXIBLE DIAPHRAGM PUMP
Hewitt A. Gehres and Charles M. Bovard, Mount Vernon, Ohio, assignors to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application June 4, 1946, Serial No. 674,273
6 Claims. (Cl. 103—44)



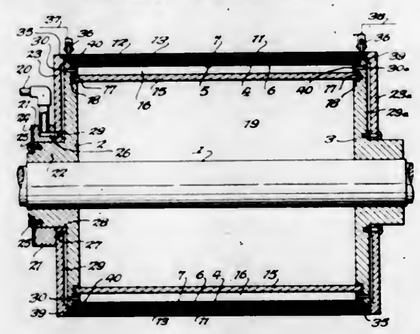
1. A pump of the character described having a working liquid containing chamber, a pumping chamber having intake and delivery valves communicating therewith, a diaphragm of flexible material interposed between said chambers, a reciprocating plunger operating in said first mentioned chamber for subjecting the working liquid to fluctuating pressure to produce suction and delivery movements of said diaphragm with respect to said pumping chamber, a relatively rigid member fixed to the movable portion of said diaphragm, and a stop member disposed peripherally outward of said plunger in said first mentioned chamber and positioned to limit the movement of said diaphragm at the suction end of its path of travel, said pump having a part movable with said diaphragm which projects longitudinally of said plunger into the space which surrounds said plunger within said first mentioned chamber and is engageable with said stop member, to limit the position of said diaphragm at the suction end of its path of travel.

2,546,303
TAG FASTENER
Roy Holle, Cincinnati, Ohio, assignor to The Fleischer Mills, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 8, 1948, Serial No. 1,123
1 Claim. (Cl. 40—24)



A tag fastener fabricated from a single flat strip of resilient metal having substantially U-shaped notches cut therein on each side of the longitudinal axis adjacent each end, each end being cut beyond the notches on a diagonal to the longitudinal axis forming pointed ends in the shape of right angle triangles with the hypotenuse being the diagonal, the strip being bent to form substantially a figure 8 with the notches meeting at the closure of the lower loop, the notches being so shaped that the strip at the closure of the second loop is of substantially the same width as the rest of the strip forming the lower loop, the hypotenuse of each of the ends meeting and mating to form the closure of the upper loop, the pointed ends being adapted to pierce a supporting object to which the tag is to be fastened and the notches limiting the amount of opening of the pointed ends when the sides of the lower loop are brought towards each other.

2,546,304
PRINTING ELEMENT OR CYLINDER
William C. Huebner, New York, N. Y.
Application March 14, 1946, Serial No. 654,454
2 Claims. (Cl. 101—116)



1. A printing cylinder having a tubular cylindrical shell comprising a rigid perforated supporting tube of full cylindrical form, cylinder heads attached to opposite ends of said shell, an approximately rigid pervious body completely

surrounding said shell and formed of thin flat open-mesh metal fabric ribbon wound helically on said supporting tube with the convolutions of the ribbon disposed with their side edges in edge to edge relation to form a plain cylindrical surface free from ridges, said body being permeable by liquid passing through the perforations of said tube, and an outer coating completely surrounding said pervious body and forming a full cylindrical printing surface comprising areas which are impervious to said liquid and other pervious areas through which the liquid can pass to the exterior of said printing surface, an auxiliary tube of smaller diameter arranged within said shell and forming a space between the said tube and the shell, said auxiliary tube being supported in said heads in spaced relationship to said shell to permit inks or other liquid to be forced into said space for discharge through said pervious areas of said outer coating, and connections for conducting an electronic current to said metal mesh, which current can be projected from said mesh and through the ink to create an electric discharge of ink through said pervious areas of said outer coating.

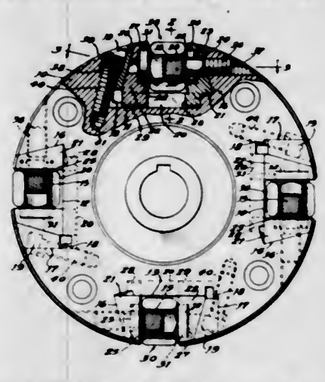
2,546,305
METHOD OF AND MEANS FOR GROWING CRYSTALS
Hans Jaffe, Cleveland Heights, Edward M. Braxis, Cleveland, and Bengt Kjellgren, University Heights, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application February 13, 1947, Serial No. 728,310
23 Claims. (Cl. 171—327)



6. The steps in the manufacture of a P-type crystal which include: selecting a plurality of seed pieces of P-type crystalline material; orienting said plurality of seed pieces in the same manner with respect to the crystallographic axes and with respect to the piezoelectric properties of the material; with said seed pieces so oriented connecting them directly together to form a composite seed; immersing said composite seed in a salt solution; and causing the salt in said solution to crystallize out upon said composite seed.

2,546,306
CUTTING TOOL HOLDER
Ferdinand Clifford Johnson, Milwaukee, Wis., assignor to Kendall Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 30, 1946, Serial No. 706,749
5 Claims. (Cl. 29—105)

1. A tool support for cutting tools and the like comprising a mounting member, having a cross channel cut therein, the sides of said channel tapering toward each other from the bottom of the channel outwardly, a pair of spacers seated in said channel and having opposed faces spaced apart, said faces being recessed, a wedge interposed between one of said spacers and the adjacent side of the channel, means to draw said wedge toward the bottom of the channel to urge said spacers toward each other, a tool holder having end portions rotatably received in the recesses of said spacers, said holder having a tool receiving slot extending transversely across it opening toward the spacer most remote from the wedge, and means extending through the last named



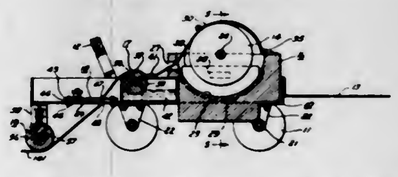
spacer and threaded in the mounting member for clamping a tool in said holder.

2,546,307
LIMITER CIRCUIT FOR TELEMETERING SYSTEMS
Walter C. Johnson, Princeton, N. J., and William D. Stevenson, Jr., Raleigh, N. C., assignors to the United States of America as represented by the Secretary of the Navy
Application October 1, 1947, Serial No. 777,324
1 Claim. (Cl. 178—44)



In a receiver for a multi-channel frequency modulation telemetering system, a multi-stage limiter having a first stage including a twin triode, a series resistance-capacitance circuit connecting the sections of the twin triode, a second limiter stage including a pentode, and means coupling said limiter stages and including a tuned impedance comprising a parallel inductance and capacitance tuned to a desired operating frequency and a damping resistance in parallel with said resistance and capacitance for restricting center frequency impedance, whereby said limiter will provide reasonably uniform frequency response and amplitude component rejection over a predetermined band of frequencies.

2,546,308
FLOOR MARKING DEVICE
John Kahler, Lincoln, Nebr.
Application December 29, 1948, Serial No. 67,787
2 Claims. (Cl. 216—20)



1. In a device of the character described, a frame, supporting wheels mounted thereon in

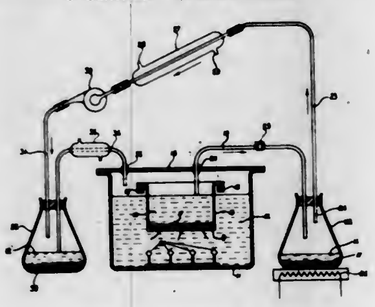
fixed relation, a tape container mounted on the frame, a tape moistener, a tape centering device and a pressure member all arranged in longitudinal alignment with the tape container, the said tape container having a recess therein generally semi-cylindrical in shape for reception of a roll of tape, a pair of spacer plates, the said recess having a plurality of laterally spaced, longitudinally extending slots therein for reception of the spacer plates, the tape centering device comprising a longitudinal guide having a transversely extending slot therein, a centering plate longitudinally slidable in the guide and having a plurality of transverse portions thereof notched out, and means for sliding and securing the said centering plate in the guide with said notched-out portions thereof in selective alignment with the said transversely extending slot in the guide.

2,546,309
JOINT FOR COAXIAL CONDUCTORS
Raymond A. Kempf, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 17,182
8 Claims. (Cl. 174—21)



7. A splice for coaxial cable of the type having a plurality of sections each having an inner conductor, an outer conductor coaxial therewith, and an armor tape sheath, said splice comprising means joining the adjacent ends of said inner conductors, a rigid insert mechanically bridging the abutting ends of said outer conductors, said armor tape sheath extending across the ends of said outer conductors, a split sleeve positioned over the portion of said armor tape sheath extending over said insert, and means to maintain a compressive force on said sleeve positioned to reduce the inner diameter thereof.

2,546,310
METHOD OF GROWING CRYSTALS
Otto Kornei, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1945, Serial No. 584,009
3 Claims. (Cl. 23—301)



2. The method of growing a large clear crystal of a crystalline material whose solubility does not substantially increase with temperature which comprises the steps of: planting a seed piece of the crystal to be grown in a first substantially saturated solution of the crystalline material, transferring solvent out of said first substantially saturated solution by osmotic action through a semi-permeable membrane into a second solution having higher osmotic pressure and having different solute than said first solution to cause said first solution to become supersaturated and to cause the solute of the first solution to deposit as crystalline material on said seed piece, and providing in said second solution an excess of the solute of said second solution to maintain said second solution saturated and at its highest possible osmotic pressure.

2,546,311
RAILROAD CAR
Otto A. Kuhler, Blauvelt, N. Y., and William E. Burnett, Montclair, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application April 11, 1947, Serial No. 740,744
8 Claims. (Cl. 105—315)



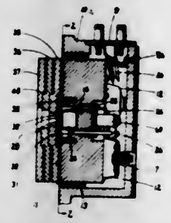
1. In a railway sleeping car, a flooring, a roof, side walls, spaced longitudinally extending panels forming an aisle, transverse panels dividing the spaces between the panels and car side walls into rooms, a seat structure in one of the rooms having a forwardly shiftable seat cushion and a back cushion shiftable for alignment horizontally with the seat cushion to form a portion of a bed, and a well extending into the room adjacent the back cushion for accommodating and supporting an end portion of the back cushion when moved to horizontal bed forming position.

2,546,312
DEAD-END COUPLING
William Larymore, Drummoyne, near Sydney, New South Wales, Australia, assignor to Keeseal Pty. Limited, Mascot, near Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application April 22, 1947, Serial No. 743,219
In Australia May 22, 1946
8 Claims. (Cl. 287—85)



1. A dead end socket coupling consisting of a male member, a female member terminating in a dead end and constituting a socket and a resilient sleeve member interposed and compressed between the female member and the male member; an air vent being formed in the surface of one of said members intermediate said sleeve member and one of the other members and connecting the dead end of said female member with the atmosphere.

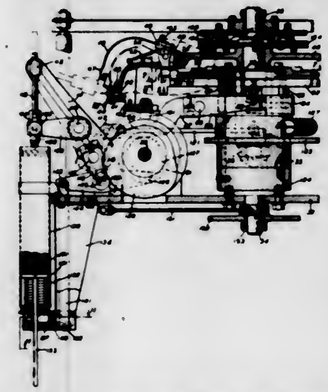
2,546,313
TESTING INSTRUMENT FOR ACOUSTIC DEVICES
Frank Massa, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,583
1 Claim. (Cl. 179—110)



An acoustic device comprising, in combination, a cup member, massive hollow base means the walls of which defining said hollow are rigid, acoustic decoupling means mounting said base means within and spaced from the walls of said cup means, an expander block of electro-transducing material substantially filling the bottom portion of the hollow in said base means, a diaphragm secured to the top face of said block of electro-transducing material and to said base means to seal said block in the bottom of said hollow with the bottom face of said block against the base means and to divide said hollow into two cavities the first of which is sealed shut and is substantially filled by said block and the second of which is open to atmosphere and is of a known size, and plate means formed of rigid material having a hole therethrough for replaceable air-tight connection to said base means with said hole in registry with the opening into said second cavity to change the known size of the second cavity to another known size, the walls of said cavities of known size being acoustically rigid compared to the stiffness of said cavities.

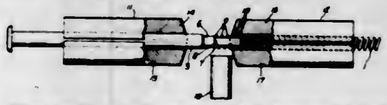
2,546,314
ARTICLE HANDLING AND SORTING APPARATUS
Harry H. Merwin, Rutherford, and Daniel Vaughn Waters, Flemington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 2, 1946, Serial No. 659,018
2 Claims. (Cl. 209—81)

1. In an article sorting apparatus, a circular table having a downwardly projecting apron at its periphery, insulated electrical terminals disposed at spaced positions around the table on the apron, means to intermittently rotate the table about its axis to advance the terminals successively to a loading position, a magazine, for articles disposed in stacked formation therein, mounted with its open upper end at a given position relative to the table at the loading position, a support interposed between the magazine and the table, a transfer element having a hollow nozzle at one end connected to a suction means whereby the transfer element may successively remove the articles from the open end of the magazine and transfer them singly to the terminals when disposed at the loading position, a mechanism operable to move the transfer element through an operating cycle from a position where the nozzle thereof extends into the open end of the magazine to engage the topmost article, lift the article from the magazine, move the transfer element through an arc into alignment with the terminal at the loading position, force the article against the terminal and return to a position where the nozzle extends into the open end of the magazine to receive the next article, contact fingers for the terminals having forked ends to straddle the outer end of the nozzle to



engage articles and hold them on their terminals at the loading position, and mechanism actuable to move the contact finger at the loading position into engagement with the article to firmly hold the article in engagement with the terminal at that position prior to the movement of the transfer element free of the article.

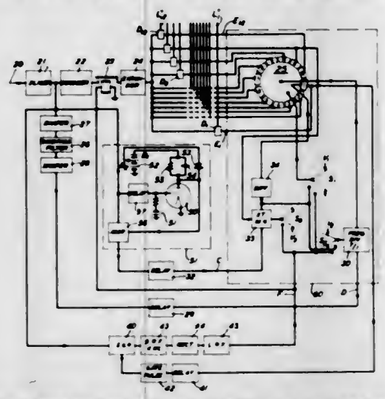
2,546,315
ELECTRIC HEATER
Sterling A. Oakley, Lincolnwood, Ill., assignor to Hotpoint Inc., a corporation of New York
Application May 25, 1945, Serial No. 595,721
5 Claims. (Cl. 201—67)



1. The method of making a terminal structure for an electric heater having a metallic conductor and a metallic terminal therefor, which method comprises forming a portion of said conductor into a plurality of turns, inserting a portion of said terminal into said turns in frictional engagement therewith, and bringing the outermost only of said turns that are remote from the body of said conductor and the part of said terminal surrounded by them to a temperature sufficiently high to fuse them to said terminal, while holding the innermost of said turns which are adjacent to said body and the terminal portion surrounded thereby at a temperature below the fusing point of said innermost turns so that said innermost turns are free from rigid connection with said terminal although frictionally connected thereto.

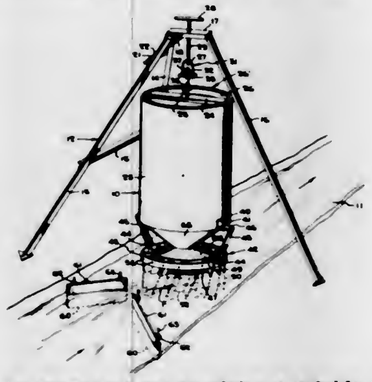
2,546,316
SYNCHRONIZATION OF PULSE COMMUNICATION SYSTEMS
Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1949, Serial No. 97,685
6 Claims. (Cl. 179—15)

1. In a synchronous pulse communication system which includes receiver apparatus for reconstituting a message from pulses of an incoming train, which train includes a unique frame marker code pulse group of pulses which is distinguishable from all other pulse groups of said train which apparatus includes a rotative member and depends for correct message reconstitution on synchronous operation of said rotative member in a preassigned phase relation with transmitter apparatus, and includes means for normally advancing said member rotationally in step-by-step fashion in synchronism with trans-



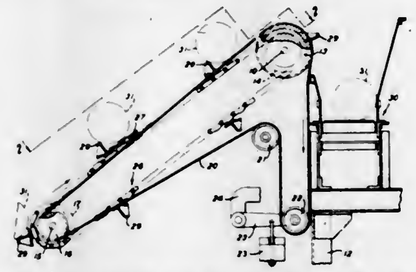
mitter apparatus under control of pulses at the basic pulse repetition rate of said train, means for arresting the advance of said rotative member and for setting it in a standard reference condition of readiness, means whereby said arresting and setting means are operative upon failure of said preassigned phase relation, means for starting the step-by-step advance of said rotative member from said reference condition, and means whereby said starting means are operative upon reception of one of said frame marker code pulse groups.

2,546,317
APPARATUS FOR SUPPLYING SOLUBLE TREATING AGENTS TO FLOWING WATER
Eugene L. Prizer, San Diego, Calif., assignor of one-fourth to Murray Ferguson, Compton, Calif., and one-fourth to John A. Prizer, Fullerton, Calif.
Application December 20, 1947, Serial No. 793,036
14 Claims. (Cl. 47—1)



1. An apparatus for supplying a soluble treating agent to flowing water comprising, in combination: a vertically extending mass of water soluble treating agent composed of discrete particles adapted to move downward by gravity; means for rotatably supporting said mass in upright position so that said mass is partly immersed in the water of a flowing water stream to permit solution of said treating agent from the immersed portion of said mass and with the upper portion of said mass extending above the upper surface of said stream; said supporting means including a perforated bottom member in supporting engagement with the lower end of said mass and also including means for distributing successive portions of said mass toward the periphery of said bottom member to replace the treating agent removed from said mass by solution; and means for rotating said mass about a substantially vertical axis thereof.

2,546,318
CONVEYER FOR HANDLING TACKY MATERIAL
Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1946, Serial No. 706,444
13 Claims. (Cl. 198—190)



11. In an incline conveyor, a receiving station, a delivery station, a composite supporting surface extending from the receiving station up to a delivery station, said composite supporting surface comprising a plurality of spaced chains and conveying belts arranged alternately, means secured at spaced distances on the chains for supporting the material crosswise of the conveyor in straight lines, and means for actuating the belts at a speed greater than that of the chains to cause relative movement therebetween and in the composite supporting surface.

2,546,319
EXTERNAL FLASH SYNCHRONIZING ATTACHMENT FOR CAMERA SHUTTERS
Paul J. M. Richartz, New York, N. Y., assignor to Jacques Bolsey, New York, N. Y.
Application February 24, 1949, Serial No. 78,199
5 Claims. (Cl. 95—11.5)

1. Flash lamp synchronizer attachment for a photographic camera having a release lever movable from inoperative into releasing position and an internally screw-threaded cable release socket, said flash lamp synchronizer comprising in combination an electrically insulating supporting member; an electrical contact member mounted on said electrically insulating supporting member; means for adjusting the position of said electrical contact member relative to said electrically insulating supporting member; electrical connecting means mounted on said electrically insulating supporting member electrically con-

nected with said electrical contact member and adapted to be connected with an electric wire leading to a flash lamp; a securing screw passing through said supporting member and having at its one end an externally screw-threaded end portion being screwable into the internally screw-threaded cable release socket of a camera in such a manner that said supporting member is secured to said cable release socket and that



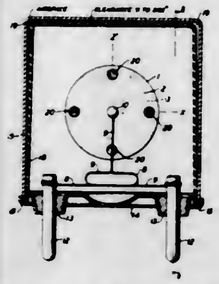
said electrical contact member is contacted by the release lever when the same is manually moved and reaches its releasing position; a hole passing through said securing screw in axial direction thereof; and an internally screw-threaded recess on the other end of said securing screw arranged coaxially with said hole and having the same diameter as said externally screw-threaded end portion of said securing screw.

2,546,320
METHOD OF SINTERING TITANIUM AND LIKE METALS
Douglas W. Rostron, Toronto, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario
No Drawing. Application December 13, 1948, Serial No. 65,079. In Canada November 4, 1948
2 Claims. (Cl. 75—22)

1. A method of treating titanium and like reactive metal powder which comprises compressing the powder into compacts, placing the compacts and a mass of alkaline earth metal in a closed zone, evacuating air and filling the closed zone with an inert gas, heating to render the alkaline earth metal fluid to intimately surround the compacts and while maintaining the compacts completely surrounded with the fluid alkaline earth further heating at a temperature of about 1000° C. to sinter the powder and render the compacts solid and resistant to oxidation.

2,546,321
PIEZOELECTRIC CRYSTAL APPARATUS
David M. Ruggles, Mount Tabor, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 12, 1949, Serial No. 76,041
14 Claims. (Cl. 171—327)

3. Piezoelectric crystal apparatus comprising an electroded piezoelectric crystal body, means including flexible spring supports fastened to said body for resiliently supporting said body, stop means normally spaced away from but disposed adjacent said body for limiting the bodily displacement of said body when said body is bumped against said stop means as a result of externally applied mechanical shock, said stop means comprising in combintaion with a casing for said body, a liner disposed in spaced air-cushioning relation with respect to the inner wall surface of said casing, said liner being an electrically insulating liner disposed between said casing and said spring supports, said liner being a molded



one-piece plastic type tapered liner insertable into said casing.

2,546,322
BALANCED TO UNBALANCED COUPLING
Phillip H. Smith, Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1948, Serial No. 21,013
13 Claims. (Cl. 250—33)



3. In combination, a circuit which is unbalanced with respect to ground, a circuit which is balanced with respect to ground, means for coupling said circuits together which comprises a uniform section of coaxial cable shaped to introduce, over a predetermined range of frequencies, a high impedance in series with the outside surface of the outer conductor of said coaxial cable, connections from said unbalanced circuit to the inner and outer conductors, respectively, at one end of said coaxial cable, and connections from said balanced circuit to the inner and outer conductors, respectively, at the other end of said coaxial cable, said coupling means comprising a section of coaxial cable bent back upon itself for a distance of substantially a quarter of a wavelength.

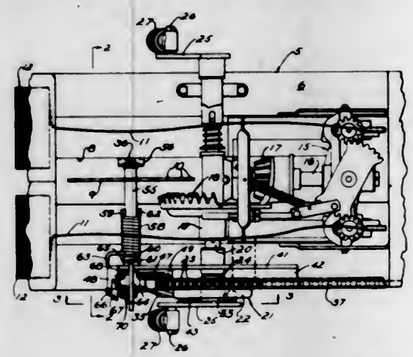
2,546,323
FOLDING TABLE
Auburn Taylor, Charleston, W. Va.
Application December 8, 1945, Serial No. 633,575
3 Claims. (Cl. 311—89)



1. In a folding table having a top, a corner leg structure foldable with respect to the top comprising, in combination, a pair of flat leg elements hinged together along their adjacent edges to stand in angular relation to each other when erected, and a locking device for holding said leg elements erected including a flat member disposed beneath the table top and pivoted thereto

to swing about an axis perpendicular to the top into and out of interlocking relation with said leg elements, said member having two angularly disposed side edges rabbeted for interfitting engagement with each of said leg elements when swung into interlocking position into the angle between said leg elements so that said leg elements are maintained in angular relation with respect to each and in upright relation to the top.

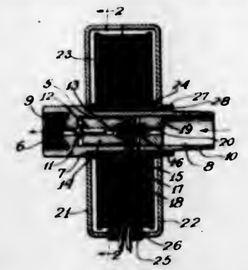
2,546,324
TRIPPING MECHANISM FOR BALING PRESSES AND THE LIKE
Miles H. Tuft, San Gabriel, Calif., and James Rex West, Ottumwa, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application September 17, 1945, Serial No. 616,802
14 Claims. (Cl. 100—20)



1. In combination, a driven shaft, a self-interrupting clutch device for driving said shaft, a clutch trip arm disposed adjacent said clutch device and shiftable out of a normal position to initiate an operation of said clutch device, and means for controlling the shifting of said arm comprising a trigger member shiftably mounted on said trip arm, a control element, and resilient means engageable between said element and said trigger member to shift said arm out of said normal position, said shaft having a part movable therewith into engagement with said trigger member to disengage the latter from said resilient means to release said arm to permit the latter to return to said normal position.

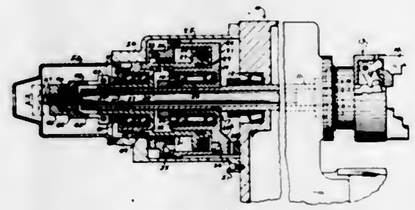
2,546,325
THROUGH FLOW TYPE SOLENOID VALVE
Henry G. Wasserlein, Park Ridge, Ill., assignor to Phillips Control Corporation, Chicago, Ill., a corporation of Illinois
Application June 28, 1945, Serial No. 602,094
1 Claim. (Cl. 137—139)

In a through flow valve of the character described comprising a hollow tube threaded for pipe connections at its ends and having the greater portion of its length reduced in circumference with a shoulder located between the greater and lesser circumferences, a solenoid surrounding and fitting over said tube, a two part magnetic housing for the solenoid fitting over said tube at its lesser circumference and abutting the shoulders, a partition in one end of said tube apertured and seated for a valve, a plunger stop of magnetic material tightly fixed in the tube end opposite said partition, a recessed plunger of magnetic material slidably positioned between said partition and said plunger stop and having valve means fixed to the end contacting said partition, a ring swedged over the end of the tube



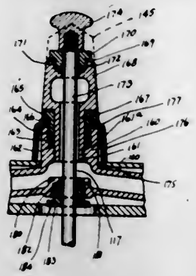
having the lesser circumference and compressing said tube inwardly against the fixed plunger stop and tightly butting said solenoid housing against said shoulder of said tube.

2,546,326
MACHINE TOOL
Arthur D. Wetzel, Hudson, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 29, 1947, Serial No. 764,281
14 Claims. (Cl. 279—4)



6. A chuck operating mechanism for a machine tool having a hollow spindle journalled in the headstock thereof with the forward end of said spindle equipped with a chuck and the rear end of said spindle projecting beyond said headstock, the said mechanism comprising a non-rotatable annular cylinder surrounding the said projecting rear portion of said spindle, bearing means between said cylinder and spindle providing a support for said cylinder on said spindle and permitting relative rotation therebetween, an annular piston reciprocable in said cylinder, the said cylinder having ports on either side of said piston to permit the alternate introduction and exhaust of a fluid under pressure for effecting movement of the piston, a member connected to said spindle to rotate therewith and move axially with respect thereto, means connecting said member with said piston including bearing means to permit relative rotation therebetween, a chuck actuating member extending through the bore of said spindle, means operatively connecting said first-mentioned member with the chuck actuating member whereby the chuck is operated to gripping or releasing position by application of fluid pressure to said cylinder, and a housing rigidly attached to said headstock at the rear thereof and enclosing the mechanism, the said housing including an internal surface slidably supporting the means connecting said piston with the first-mentioned member and acting therethrough to provide an outboard bearing for said spindle.

2,546,327
SPOUT, HOOD, AND MIXING CHAMBER FOR SANITARY FIXTURES
Stephen A. Young, Delphi, Ind.
Application July 31, 1945, Serial No. 607,942
1 Claim. (Cl. 4—192)



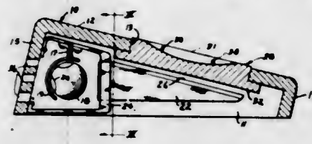
In a valve structure for mounting in exposed relation relative to an apertured support, the combination of a one-piece rough unit having spaced parallel connecting portions for connection to separate supply pipes, each connecting portion including a chamber for valve accommodation, two conduits directed from the chambers and towards each other, and terminating at a junction, a chambered cover having valve accommodating apertures, a spout portion and spout for the unit and cover respectively and having adjacent ends registering, and means connecting the cover to the unit at the junction, the cover nesting and concealing the support exposed unit, the spout being detachably associated with the junction and the cover and support being apertured midway between their respective valve accommodating apertures, and a drain valve control rod movably mounted in the midway apertures for drain control purposes and extending through the junction and spout and the connection therebetween.

2,546,328
CARNAUBA WAX SUBSTITUTE
Karekin G. Arabian, El Cerrito, and August A. Schaerer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 27, 1948, Serial No. 51,454
8 Claims. (Cl. 106—271)

1. A carnauba wax composition substitute consisting essentially of 30–70 per cent each of a mineral oil of lubricating oil viscosity and of a mixture of straight-chain microcrystalline hydrocarbon waxes, the molecular weights of which are from 550 to 900, the major portion of which have molecular weights from 600 to 750.

2,546,329
LENS INSPECTING AND LAYOUT DEVICE
Henry C. Barile, Brookfield, Ill., assignor to Ophthalmix, Brookfield, Ill., an unincorporated company, not a partnership
Application July 26, 1948, Serial No. 40,668
3 Claims. (Cl. 33—1)

1. A device of the character described comprising a casing having an opening therein, a light-transmitting plano-concave plate supported in said opening and having protractor markings on the concave surface thereof, a polymethylmethacrylate block internally of the casing, said block having a roughened surface adjacent to and substantially parallel to the plane surface of said plate, and a source of illumination within the

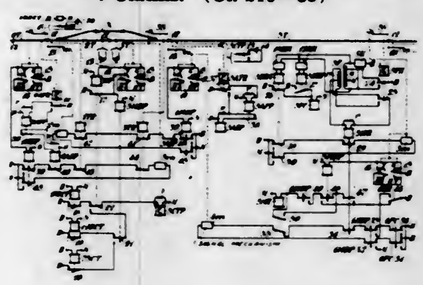


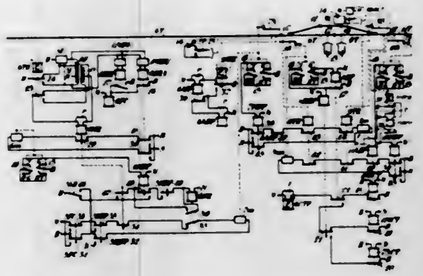
casing adjacent said polymethylmethacrylate block.

2,546,330
SYNTHESIS OF AROMATIC SILANE
Arthur John Barry, Midland, Lee De Pree, Holland, and Donald Eugene Hook, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 11, 1948, Serial No. 64,902
5 Claims. (Cl. 260—448.2)

1. The process which comprises reacting a benzenoid hydrocarbon free of aliphatic unsaturation in any side chains with methyldichlorosilane at a temperature between 300° C. and 550° C. and at a pressure of at least 200 pounds per square inch and sufficient to maintain at least a portion of the reaction mixture in a liquid phase, to form an arylmethyldihalosilane as the principal reaction product.

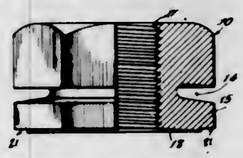
2,546,331
RAILWAY SIGNAL CONTROL SYSTEM
James H. Butridge, Kankakee, and William H. Claus, Downers Grove, Ill., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 6, 1948, Serial No. 53,112
7 Claims. (Cl. 246—33)





2. In a control system for railway signals for a stretch of single track railway which is provided with passing sidings spaced along the single track, including two pairs of head block signals for each passing siding each comprising an entering and a leaving signal one pair adjacent each end of its passing siding for governing traffic movements in opposite directions, including a pair of intermediate signals between each two consecutive passing sidings for governing traffic movements in opposite directions, the combination comprising, two non-coded track circuits between the two pairs of head block signals for each passing siding, two coded track circuits between each two consecutive passing sidings one between each of the passing sidings and the associated pair of intermediate signals, two traffic controlled line circuits between the two pairs of head block signals at each passing siding, a traffic controlled line circuit between each pair of intermediate signals and the next pair of head block signals in each direction, and means controlled by said track circuits and by said line circuits for controlling said head block and intermediate signals including overlapping clear control means for each two opposing leaving head block signals.

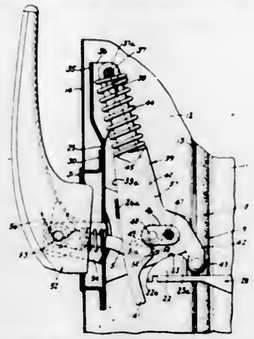
2,546,332
LOCK NUT
Francis G. Costello, Los Angeles, Calif.
Application October 30, 1946, Serial No. 706,573
2 Claims. (Cl. 151—21)



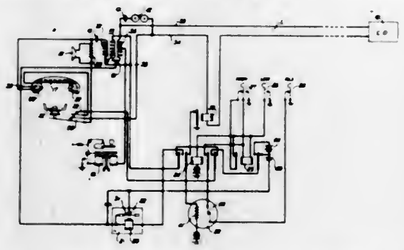
1. A metallic self-locking nut having a body portion formed with an axial thread, a work-engaging face at one end of the nut canted inwardly at a relatively small angle to define a substantially frustro-conical shaped surface coaxial with the thread, an external weakening groove in the body of the nut within the half-length thereof adjacent the work-engaging face and forming a lock flange, the threads within the lock flange being deformed away from the remaining threads of the nut to frictionally grip cooperating threads on a bolt, upon turning the nut relative to a cooperating bolt sufficiently to flatten the frustro-conical work-engaging surface into surface contact with a radial abutment, the meeting of the work-engaging surface in surface contact with the radial abutment serving to provide a positive stop to limit turning movement of the nut, the proportions of the parts and the initial angle of cant being such that the elastic limit of the metal of the nut is not exceeded in so flattening the work-engaging surface.

2,546,333
REFRIGERATOR DOOR LATCH
George E. Curtiss, Jr., Penn Wynne, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1948, Serial No. 28,987
4 Claims. (Cl. 292—332)

1. In a door latch, the combination with support structure of an elongated latch member adapted for interlocking engagement at one end with a keeper, means mounting the latch member for simultaneous oscillatory and longitudinal movement with respect to said structure, and means to control the oscillatory and longitudinal movements of said latch member so as to cause said latch member to move between a retracted position with respect to the keeper and an extended position in which said latch member is in interlocking engagement with the keeper, said control means comprising a spring exerting force tending to advance the latch member into the said extended position, and means guiding the movement of said latch member, said guide means comprising an element having a portion adapted to react against said support structure, and another portion—spaced from the first mentioned portion—normally engaging said latch member in a manner to effect arcuate movement of the latch member from said retracted position to said extended position with progressively amplified force under the influence of said spring, the engagement between said element and said latch member further being such as to permit substantially straight line movement of said latch member independently of said element, said straight line movement being from extended position out of latching engagement with said keeper to extended position in latching engagement with said keeper, and said guide means further including fixed structure guiding said latch member in said straight line movement



2,546,334
TELEPHONE SUBSTATION HAVING HEARING AID FACILITIES
Arnold Bonaventure Desnoes, Massapequa, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 17, 1948, Serial No. 65,837
3 Claims. (Cl. 179—81)



1. In a telephone system, a line extending from a central office to a substation, a telephone set at said substation including a handset normally carried on a support, an amplifier at said substation, a switch operable manually while said handset is carried on the support to prepare said am-

plifier for connection to said line, contact means operated incident to the removal of said handset from the support for completing the connection of said amplifier to said line, and means for effecting the disconnection of said amplifier from said line while said switch is in its operated position comprising a relay included in said line circuit and an energizing circuit therefore including said contact means.

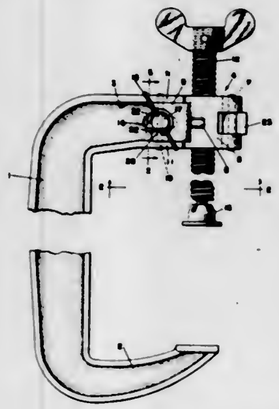
2,546,335
ILLUMINATION LOUVER
James R. Friend, Rolling Hills, Calif.
Application March 28, 1949, Serial No. 83,795
4 Claims. (Cl. 88—57.5)



3. An illuminating louver for conducting sunlight into a room comprising a series of substantially parallel louver boards arranged in a generally east to west direction, each of the boards being transversely inclined and being characterized by having on the upper side thereof a series of at least three contiguous flat surfaces progressively increasing in inclination from bottom to top and having on the under side thereof a convexly curved surface extending from the bottom edge upwardly through a major portion of the width of the boards, each board having a flat bevel at its top connecting the top of the convex surface with the top of the uppermost flat surface, the boards being arranged sufficiently close together so that direct sunlight cannot pass therebetween without being reflected at least once and the boards being so arranged that most of the sunlight encountering the flat surfaces will be reflected thereby to the convex surface of the adjoining board and reflected downwardly thereby with dispersion.

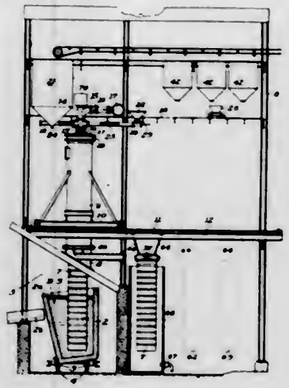
2,546,336
QUICK-ACTING CLAMPING DEVICE
William J. Gibbons, Philadelphia, Pa.
Application May 13, 1948, Serial No. 26,778
3 Claims. (Cl. 144—305)

1. A clamping device comprising a frame having a shoulder thereon, a split nut carried by said frame, a spindle threadably movable in said split nut toward and away from said shoulder, whereby an object may be clamped therebetween, said split nut comprising a fixed threaded portion integral with said frame and a complementary movable threaded portion hingedly carried by said fixed portion, a channel member integral with one of said portions on the side thereof opposite said hinge, the groove of said channel being disposed substantially perpendicular to the axis of said nut, a flange integral with the other of said portions and adapted to contact said channel member and mate snugly therewith when said split nut is closed, whereby the threads of said portions are maintained in alignment, a bolt pivotally carried by said channel member and having a wing nut adjacent the free end thereof, said flange containing a recess adapted to receive said bolt when said flange and said channel member are in mating position, said bolt being adapted to swing into said recess to position said wing nut above said flange whereby



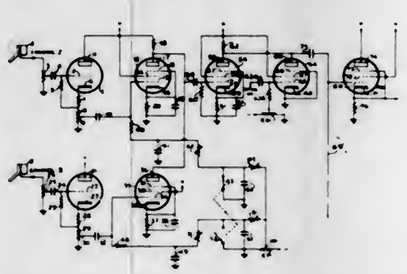
the flange may be secured within said channel member by said wing nut.

2,546,337
METALLURGICAL APPARATUS
Robert M. Gibson, Pittsburgh, Pa.
Original application August 28, 1944, Serial No. 551,492. Divided and this application February 12, 1948, Serial No. 7,777
5 Claims. (Cl. 266—13)



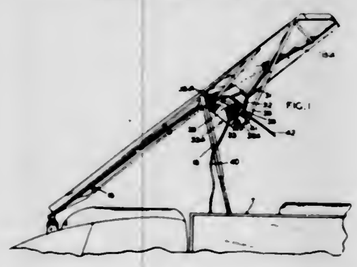
3. A Bessemer plant comprising a station for a vessel of molten metal, means for delivering air under pressure at a point spaced above said station, a track and a carriage mounted to travel on said track transversely of the vertical space between said station and said air-delivering means, a blowing tube of refractory structure mounted on said carriage, means for detachably connecting said blowing tube to said air-delivering means, and means for vertically adjusting said tube between a position in which its lower end is immersed in the molten metal in said vessel and a position in which the tube is elevated above said station for travel with its supporting carriage.

2,546,338
CIRCUIT FOR MINIMIZING TRANSIENTS DURING SWITCHING BETWEEN TWO VIDEO CHANNELS
Glenn M. Glasford, Passaic, and Edward M. Usher, Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 13, 1947, Serial No. 747,812
5 Claims. (Cl. 178—7.1)



2. In a device for selecting the output signal from one of a pair of television signal channels each said channel having an amplifier tube connected thereto, each said amplifier tube being normally conducting, a source of biasing voltage and a pair of switches ganged together and connected to said source and to each said tube to apply said biasing voltage selectively to each said tube, and a resistance capacitance network connected to each said amplifier tube, said switches being connected to change the time constant of each said resistance capacitance network to cause the time required by one said amplifier tube to cut off when the switches are actuated and biasing voltage is applied thereto, to equal the time required by the other said amplifier tube to conduct when biasing voltage is removed therefrom.

2,546,339
ROTARY JET ACTUATED APPARATUS FOR ACCELERATING DISCHARGE AND DISPERSION OF SNOW AND OTHER MATERIAL
Edward Russell Greer, Wayzata, Minn.
Application July 6, 1948, Serial No. 37,154
14 Claims. (Cl. 37—12)

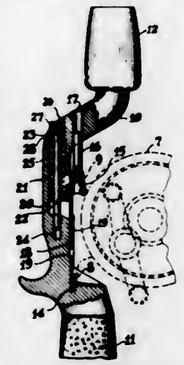


1. Apparatus for accelerating the discharge and dispersion of material such as snow, comprising a rotary jet-discharge element adapted to be attached to a material guiding member such as a mold board, said element having a passage formed therein adapted for connection with the discharge of a source of jet power, said element further having a series of jet-forming discharge ends communicating with said passage and arranged circumferentially of the axis of said element and positioned to direct jet blasts against and into the snow or other material guided by said member.

2,546,340
PROCESS FOR PRODUCING LOW-CARBON CHROMIUM STEELS
Donald Cleve Hilty, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application November 14, 1949, Serial No. 127,257
5 Claims. (Cl. 75—130.5)

1. In the manufacture of chromium-containing steel containing less than 0.20% carbon including the steps of preparing and melting a charge of materials to form a bath of molten steel containing carbon and chromium, oxidizing such bath to remove carbon, reducing a portion of the metal oxides formed during said oxidizing step, deoxidizing said bath, and tapping, the improvement which comprises adding carbon to said charge prior to the start of direct oxidation of the bath in an amount in excess of that which would be in equilibrium with the chromium content of the charge at the temperatures prevailing during the melt-down period thereby decreasing the amount of chromium oxidized in said oxidizing step.

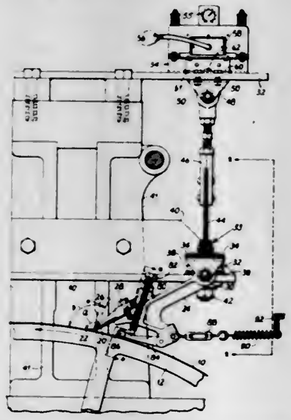
2,546,341
CLAMPING DEVICE FOR FISHING REELS
Edward Morris Jack, Litchfield, Conn., assignor to Union Hardware Company, Torrington, Conn., a corporation of Connecticut
Application December 19, 1947, Serial No. 792,648
2 Claims. (Cl. 43—22)



1. In a fish rod handle, a metallic member serving as a reel support and having a body with a groove, and an upper surface with an opening communicating with the groove, an offset portion at one end of the body having a passage and an opening leading to said groove, an offset portion at the other end of said body having a recess, a slidable member having a portion forming a socket open at one end, a guide rod protruding from one end of said socket portion and slidable in said passage, a plate protruding from the open end of said socket portion and slidable on said surface, a perforated lug depending from said plate through the opening in the upper surface and into the groove, a screw for closing the outer end of said opening, a rod mounted in said opening and extending through the perforation in said lug for guiding the movement of the slidable

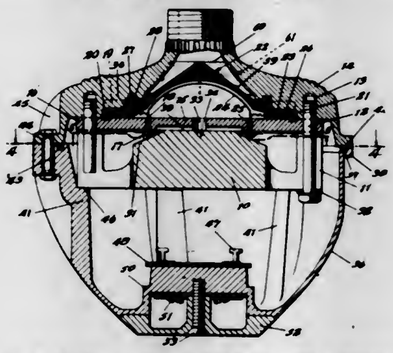
socket, one end of said rod being connected to said screw, and a coil spring surrounding said rod and having one end pressing against said lug and having its other end seated against the screw, whereby said spring is compressed and pressure exerted upon the lug for moving the movable socket.

2,546,342
FILM CASTING KNIFE AND PROCESS
Delbert E. Jurgensen, Jr., Tuckahoe, and Gordon P. Hungerford, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application September 18, 1948, Serial No. 49,968
12 Claims. (Cl. 18—15)



1. The combination with a conveyor adapted to advance film forming material deposited thereon, of a member adapted to engage and spread the film forming material advanced on said conveyor to form a continuous web of film forming material, and a device for supporting and rapidly vertically vibrating said member to assure formation of a web of film forming material of uniform thickness.

2,546,343
DRIVER UNIT FOR LOUD-SPEAKERS
Sidney E. Levy, Brooklyn, N. Y., assignor to University Loudspeakers, Inc., New York, N. Y., a corporation of New York
Application December 31, 1946, Serial No. 719,431
13 Claims. (Cl. 179—115.5)



1. In a driver unit for an electrical transducer, in combination, a sound head comprising a diaphragm carrying a voice coil, an upper housing member, means for fixing the relative position of said upper housing member and said sound head, a generally cylindrical permanent magnet of an E-shaped cross-section, an inner circular pole piece, a concentric outer annular pole piece, means spacing said pole pieces to form an annular magnetic gap, means mounting said pole pieces across the open face of the E of said magnet, an annular groove in said outer pole piece, an annular flange on said sound head engaging said annular groove and positioning the pole pieces with respect to said sound head, with the voice coil in the annular magnetic gap, a plurality of slots extending through the rim of said E-shaped magnet, and bolts extending through said slots and into said upper housing to hold said sound head and magnet in fixed position relative thereto.

2,546,344
MAGNET STRUCTURE
Sidney E. Levy, Brooklyn, N. Y., assignor to University Loudspeakers, Inc., New York, N. Y., a corporation of New York
Application December 31, 1946, Serial No. 719,432
2 Claims. (Cl. 175—21)



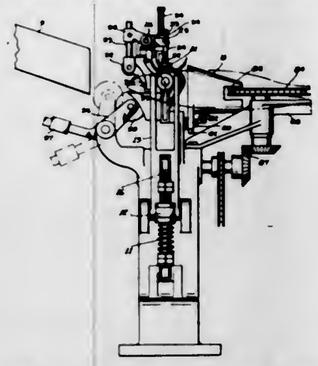
2. A plate magnet generally rectangular in plan having one polarity at its center and the opposite polarity at its ends, said magnet being substantially twice as thick at its center as at its said ends, said thickness variation being in the form of a circular arc, whereby the cross sectional area varies so that when a magnetic circuit is completed through said magnet the flux density throughout said magnet is substantially uniform.

2,546,345
DETHIOLIZING HYDROCARBONS
James L. Meadows and John N. Martin, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 4, 1950, Serial No. 147,766
6 Claims. (Cl. 196—32)

1. The process of dethiolizing hydrocarbons that comprises contacting the hydrocarbons with alkali metal hydroxide in a solvent of which the major portion consists of a glycol ether and of which a minor portion consists of an alkanolamine.

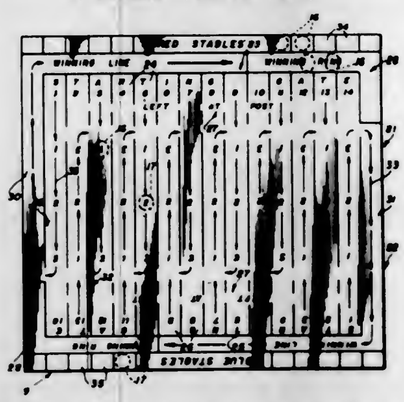
2,546,346
FISH BEHEADING MACHINE
Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington
Application November 21, 1945, Serial No. 629,979
25 Claims. (Cl. 17—4)

1. In a fish beheading machine, the combination of: a beheading element; means to advance a fish tailward towards said beheading element; means to effect relative beheading movement between such a fish and said beheading element, upon arrival of the fish in intended disposition with respect to a selected beheading point; feeler means disposed in the path of the fish's advance, for engagement with and movement by a bony excrescence in the vicinity of the fish's gill, when the fish reaches a position which has a predetermined space-time relation to the beheading point, and means operatively connecting said feeler means to said means to effect beheading



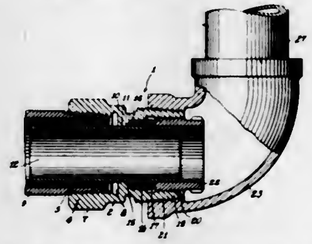
movement, to initiate beheading movement in time to behead the fish as it reaches, in its advance, correct beheading position.

2,546,347
GAME BOARD FOR SIMULATED RACING
Victor Rengel, Miami, Fla.
Application June 6, 1947, Serial No. 752,899
2 Claims. (Cl. 273—134)



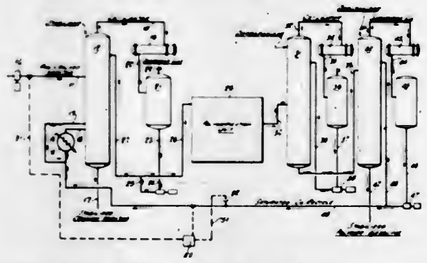
1. As a new article of manufacture, a game board for playing a race horse game of the nature shown and described comprising a substantially rectangular board line marked along opposite longitudinal marginal edges to provide a plurality of spaces defining individual stables for reception of playing pieces representing movable "horses," a main playing field, between the respective rows of stables, embodying a plurality of lanes usable from one side of the board by one participant and usable from the opposite side of the board by the other participant, the outer opposite ends of the respective lanes being consecutively numbered from left to right on the one hand and from right to left on the other hand and defining "starting gate stalls," prescribed areas of the respective lanes inwardly of said starting gates being blank, thus isolated and providing "left at the post" positions, said lanes being further distinguished by individual but complemental "win," "place" and "show" stations, diagonally opposite blank areas marginally situated between the starting gates and respective rows of stables identifying individual "winning rings" for the participants, and said board being further particularized by diagonally opposite paths intervening between said lanes and "winning rings" to communicatively join the former with the latter.

2,546,348
SERVICE HEAD FITTING
Charles E. Schuman, Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio, a corporation of Pennsylvania
Application August 19, 1947, Serial No. 769,421
9 Claims. (Cl. 285—22)



1. In a fitting for connecting the piping of a building in fluid-tight relationship with a replacement tube extending through a discontinued service pipe, a body member having an inlet and an outlet adapted to be connected to said service pipe and said building piping, respectively; and a passage therebetween adapted to receive the replacement tube longitudinally adjustable and slidably engaged with the body member, gasket means for providing a fluid tight seal between the outer wall of the tube and the passage, and means for applying pressure to the gasket, said pressure applying means being positioned within the body member.

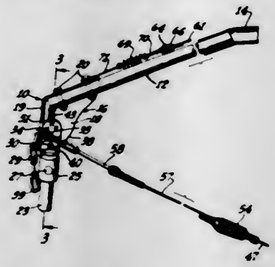
2,546,349
APPARATUS FOR DISTILLATION OF GASOLINE CONTAINING HYDROCARBON FRACTIONS
Loren P. Scoville, Yonkers, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application January 15, 1943, Serial No. 472,439. Divided and this application June 9, 1944, Serial No. 539,473
1 Claim. (Cl. 202—153)



Apparatus of the character described, comprising in combination, a fractionating tower of the multi-plate type, a liquid feed line opening into an intermediate portion of said tower, a vapor offtake from the upper portion of said tower, a condenser and accumulator connected to said vapor offtake, a liquid discharge line from the lower portion of said accumulator, a pump con-

nected to said liquid discharge line and in turn connected to a return line opening into the upper portion of said fractionating tower above said liquid feed line to supply reflux to the tower, a first liquid discharge line from the base of said fractionating tower, a second liquid line discharging from a lower portion of said tower above said first liquid discharge line, a vessel equipped with an indirect heating coil connected to said second liquid line to receive liquid discharged thereby and to heat said liquid to a reboiling temperature, a return line from an upper portion of said vessel and opening into a lower portion of said tower above said first liquid discharge line to return heated liquid and vapor from said vessel to said tower, a liquid feed line for extraneous liquid opening into the lower portion of said vessel, a flow controller for said extraneous liquid feed line, and operative connections from said flow controller to said liquid feed line opening into said tower and to said extraneous liquid feed line opening into said vessel to thereby regulate the rate of feed of said extraneous liquid to said vessel in accordance with the rate of feed through said liquid feed line to the tower.

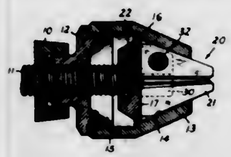
2,546,350
HAMMOCK
Eugene A. Spangler, Los Angeles, Calif.
Application November 15, 1948, Serial No. 60,050
5 Claims. (Cl. 248—166)



1. In a hammock assembly, a pair of legs, means providing a side plate for each leg, the side plates being positioned at an angle with respect to one another, each leg having one of its ends bifurcated and straddling its side plate, means swingably mounting the legs on their side plates permitting movement of the legs along the side plates and also radially with respect to the plates, means urging each leg against an edge of its side plate, the said edges of the side plates being relieved permitting the legs to move thereunto when the legs are unfolded to their erect position to lock the legs in erect position.

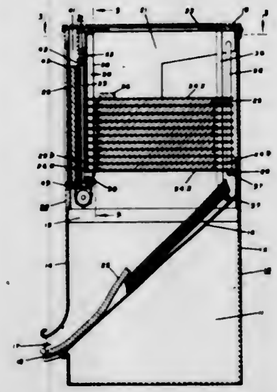
2,546,351
TOGGLE-ACTING COLLET
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 31, 1947, Serial No. 794,892
14 Claims. (Cl. 279—53)

14. A collet of the type which comprises at least three gripping members of rigid material angularly spaced about a common axis arranged to tilt to provide toggle action, interconnected by a resilient material forming foldable spanning struts between adjacent gripping members, in which each of said members has a pair of inner gripping edges parallel with said axis, and a pair of tool-engaging ribs laterally spaced from opposite sides of its gripping edges, the radial distance of the ribs being more remote from the axis



of the collet than the radial distance of the gripping edges from said axis, each of said gripping members having outer cam-engaging portions laterally spaced from said plane.

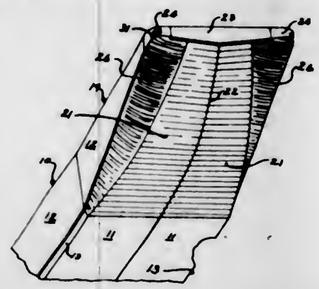
2,546,352
VENDING MACHINE FOR NEWSPAPERS AND THE LIKE
Clark H. Weaver, Berkeley, Calif.
Application February 28, 1947, Serial No. 731,526
4 Claims. (Cl. 312—94)



1. An arrangement in a vending machine for newspapers, periodicals and the like, having a supply chute and a magazine disposed above said chute, said magazine including a plurality of super-imposed sheets arranged to drop inidividually from said magazine incident to operation of a release mechanism; said arrangement including a window disposed to form a chamber in front of said magazine and adapted to accommodate a paper in vertical position, said chamber having an open bottom disposed above and communicating with said chute, a bar adapted to keep said bottom closed, and means actuated by the descent of the uppermost one of said sheets to withdraw said bar from the bottom of said chamber.

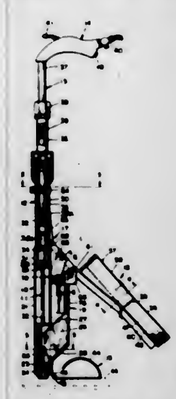
2,546,353
BOW CONSTRUCTION FOR BARGES AND THE LIKE
Boyce Williamson, Birmingham, Ala., assignor to Ingalls Shipbuilding Corporation, a corporation of Delaware
Application July 3, 1948, Serial No. 37,000
8 Claims. (Cl. 114—26)

1. In a barge, an upwardly sloping plate forming the bottom of the bow, rake bilge plates for the bow each comprising a plate warped from its aft end toward the forward end, said aft end lying at an angle to the horizontal and the forward end lying substantially horizontal, and headlog



and corner plates secured to the horizontal forward end of the rake bilge plates.

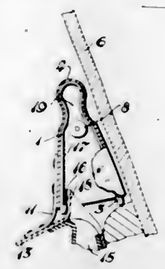
2,546,354
NAILING MACHINE
Clinton J. Bacon, Los Angeles, and Samuel J. Kent, Van Nuys, Calif.
Application March 27, 1947, Serial No. 737,510
6 Claims. (Cl. 1—46)



1. In a nailing machine, a nail-driving unit comprising a stationary part and a relatively movable part, a nail hopper carried by the stationary part, means mechanically interconnecting the relatively movable part and the hopper whereby movement of said latter part effects movement of the hopper between a raised and a lowered position, means for receiving nails from the hopper while the same is raised and for guiding nails to the stationary part of the nail-driving unit, an escapement embodied in the latter means for successively releasing nails for movement to said stationary part, and means carried by the interconnecting means for operating the escapement.

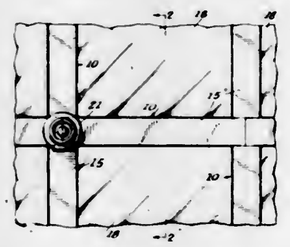
2,546,355
WINDSHIELD DEFROSTER
Edward James Bloomer, Winnipeg, Manitoba, Canada
Application May 2, 1949, Serial No. 90,882
1 Claim. (Cl. 219—19)

A windshield defroster comprising for use in combination with the conventional warm air ports between the windscreen and dashboard of automobiles, an attachment embodying an elongated substantially cuneiform housing having an open underside overlying said port and an apertured apical ridge portion, an elongated electrical heating element in said housing, air from said port travelling upwardly through said housing and being constricted by the cuneiform configuration thereof while also being heated by said



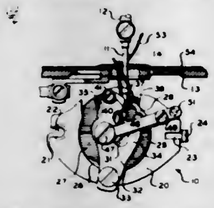
element and thereafter discharging through said apical apertures, the sides of said housing being longitudinally and oppositely concaved in the apical region thereof, said ridge having a rolled configuration to provide, when viewed in cross-section, an apertured semi-cylindrical apex and a restriction throat immediately therebelow, said element occupying a position immediately below said throat.

2,546,356
WALL STRUCTURE OF BUILDING BLOCKS
John B. Boyd, West Los Angeles, Calif.
Application April 21, 1948, Serial No. 22,451
2 Claims. (Cl. 72—42)



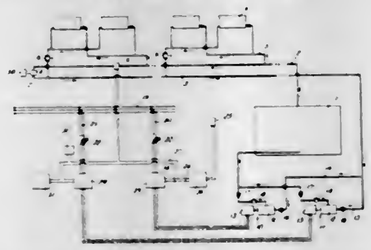
1. A wall structure comprising horizontal courses of alternate glass and metal-faced blocks, said blocks being the same height and the glass blocks being substantially wider than the metal-faced blocks, intermediate horizontal courses alternating with the first courses and comprising elongated metal-faced blocks arranged in direct end-to-end abutment, the length of each latter block being equal to the sum of the widths of a glass block and a metal-faced block of the first courses, the elongated blocks being centered with respect to the glass blocks to locate the joints formed by the abutting ends thereof directly beneath and centered with respect to the metal-covered blocks of the first courses, and decorative elements applied over said joints to cover and conceal the same, said latter elements being of such size as to also cover and conceal the joints formed between the ends of the metal-faced blocks of the first courses and the opposite sides of the metal-faced blocks of the intermediate courses.

2,546,357
CHENILLE STITCHING SEWING MACHINE ATTACHMENT
George D. Dedmon and Rad F. Dedmon, Salisbury, N. C.
Application October 6, 1948, Serial No. 52,986
4 Claims. (Cl. 112—79)



1. A chenille stitching attachment for domestic sewing machines of the rotary shuttle type including a reciprocatory needle, comprising a supporting member adapted for attachment to a conventional shuttle housing assembly of the sewing machine, rotary driven means adapted to be substituted for a conventional shuttle of the sewing machine intercoupled with the shuttle driving element of the sewing machine to be driven thereby, said rotary driven means having eccentric driving means thereon, loop taking means coupled to said driving means and pivotally mounted on said supporting member for reciprocatory movement in a vertical plane below said needle to be advanced to a position immediately adjacent said needle when in lower position in its stroke, and shearing means pivotally mounted on said loop taking means and oscillated in conjunction therewith to sever loops of yarn formed on said loop taking means at one end of the loops.

2,546,358
FORCED CIRCULATION HOT-WATER HEATING SYSTEM
Robert D. Dûy, Mendham, N. J.
Application July 23, 1948, Serial No. 40,206
4 Claims. (Cl. 237—8)



1. A heating system, which comprises a source of heated fluid, a supply line leading from and a return line leading to the source, a plurality of radiators, branch connections between the radiators and the supply and return lines, respectively, a pair of pump sets including a pair of pumps connected in parallel between the source and one of the lines and operable to cause a flow of fluid from the source through the supply line, a direct connection between the supply and return lines near their ends remote from the source, a valve in said direct connection, means for simultaneously starting both pump sets and opening the valve, and means operating to stop one pump set only and close the valve after an interval approximately sufficient for the flow of the heated fluid from the source to the valve.

2,546,359
RADIATOR BRACKET
Ambrose A. Emrick, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a corporation of New York
Application September 3, 1946, Serial No. 694,550
7 Claims. (Cl. 248—234)



1. In radiator mounting structure of the character described, a wall plate having its lower edge curved outwardly and upwardly to define a horizontally elongated saddle, said saddle having a horizontally elongated slot therein, a hook having a headed shank extending through said slot, said slot being substantially wider than the shank of said hook, an apertured bearing plate surrounding the shank of said hook beneath the head thereof and engaging the head thereof to prevent turning of said hook about the axis of its shank, said plate being curved to conform to the interior curvature of said saddle and being adjustable with said hook horizontally therealong, and being swingable with said hook therein about a horizontal axis parallel to said wall.

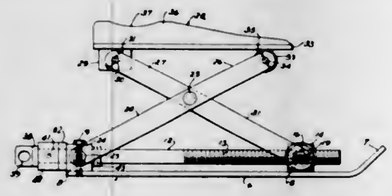
2,546,360
APPLICATION OF TRANSFERS TO GLASS-, CERAMIC-, AND OTHER WARE
Percy Farrow, Minster, Sheppey, and Frank H. Honey, Queenborough, England, assignors to Canning Town Glass Works Limited, Queenborough, England
Application September 16, 1948, Serial No. 49,594
In Great Britain November 27, 1946
19 Claims. (Cl. 41—1)



1. Apparatus for applying initially backed transfers including a supporting sheet forming a backing and a detachable transfer carried thereby to ware, comprising, in combination, a substantially horizontal endless conveyor on the upper run of which the transfers are placed at intervals with the supporting sheets uppermost; a backing wetting device for the supporting sheets disposed above the conveyor and in spaced relation along its length a stripping means for said supporting sheets, means for operating said stripping means ih a direction transverse to the direction of movement of said conveyor, a ware supporting means; and means for revolving ware on said supporting means in a position adjacent said stripping means, and means for pressing the upper run of said conveyor carrying the detached transfer, upwardly against said ware for applying the detached transfer to the ware.

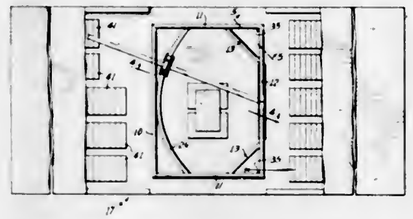
14. The method of successively applying to articles of ware, separate, initially-backed transfers, each of which includes a transfer proper and an absorbent backing sheet, which method comprises the steps, in combination, of conveying the backed transfers in a substantially horizontal linear path with the backing sheets uppermost, wetting the backing sheets in the course of their travel, removing the wetted backing sheets while continuing to advance the transfers proper progressively in the same linear path, revolving each article of ware in the linear path of movement of the transfers proper, and squeezing successive transfers proper onto the receiving surfaces of said articles of ware.

2,546,361
LIFTING JACK
Ray H. Floyd, Los Angeles, Calif., assignor of one-half to James O. Warner and Alfred P. Peracca, both of Los Angeles, Calif.
Application August 20, 1945, Serial No. 611,583
1 Claim. (Cl. 254—126)



A lifting jack comprising a flat base plate having an upturned end, a fixed journal block on the upper face of the other end of said base plate and having laterally directed fixed axles, a support plate parallel to the base plate and spaced thereabove, a longitudinal upstanding rib on the support plate and having a vehicle-engaging and locating seat formed in the end thereof that is on the journal block-carrying end of the base plate, a pivot-connecting block fixed to and depending from the under face of the support plate on the end thereof beneath the seat in the rib, two similar pairs of levers pivotally connected at a point whereby one end of each pair is shorter than the other end, the shorter ends being equal in length and the longer ends also being equal in length, the longer ends of one pair of levers being connected to the axles of the mentioned journal block, a roller connecting the shorter ends of said latter pair of levers and having rolling and supporting engagement with said under face of the support plate from the mentioned pivot-connecting block toward the opposite end of said support plate, an internally threaded block having laterally extending fixed axles connecting the longer ends of the other pair of levers, rollers on said latter axles having rolling engagement with the upper face of the base plate between the upturned end thereof and the journal block thereon, laterally extending pivot pins in the mentioned pivot-connecting block for connecting the shorter ends of said other pair of levers, said pins being spaced from the under face of the support plate a distance equal to the radius of the roller engaged with said under face whereby the support plate is maintained parallel to the base plate during all pivotal positions of the pairs of levers, and a shank rotatable in the journal block and having a threaded end engaged with the internally threaded block to move the latter in a path parallel to the base plate to thereby angularly adjust the pairs of levers relative to each other and thereby adjust the space between the base plate and support plate.

2,546,362
APPARATUS FOR HANDLING HEAVY SLABS AND OTHER MATERIAL
Thomas K. Graham, Great Falls, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application December 29, 1948, Serial No. 67,966
2 Claims. (Cl. 212—17)

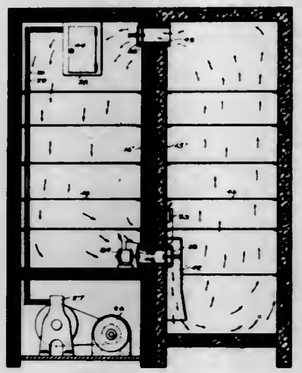


1. Portable apparatus for handling heavy slabs or the like in a roofed-over working space comprising a light-weight horizontal frame supported in an elevated position on a plurality of legs, a horizontal I-beam pivotally secured at one end to the rear of said frame with its other end projecting beyond the front thereof, a circularly curved horizontal roller track secured to the front of the frame with its center of curvature on the axis of the I-beam pivot, rollers secured to the I-beam and riding on the roller track, whereby the I-beam may be moved laterally through an arc about its pivot, a hoist supported on rollers engaging the I-beam and movable therealong, slab-handling apparatus suspended from the hoist for being lifted and lowered thereby, at least one guide secured to the frame at the rear thereof, a stabilizing rod mounted for vertical movement in the guide, whereby said rod may be raised against the roof over the working space, and means supported by said frame for locking the rod in such raised position to prevent upsetting of the frame when a heavy slab is lifted by the hoist at the projecting end of the I-beam.

2,546,363
AIR CIRCULATION CONTROL FOR REFRIGERATORS
Edward B. Jaeger, Chicago, Ill.
Application October 19, 1946, Serial No. 704,458
6 Claims. (Cl. 62—2)

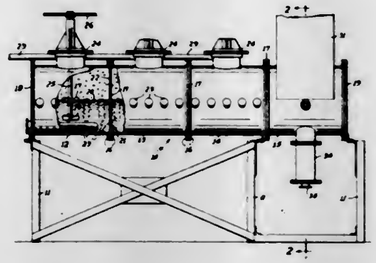
1. Refrigerating apparatus including: a master refrigerator having a cooling unit; an auxiliary refrigerator lacking a cooling unit and communicating with the master refrigerator; a resilient closure for the communication between the two refrigerators; an electrically operated pump

adapted to overcome the closing pressure of the closure and cause flow of air between the refrig-



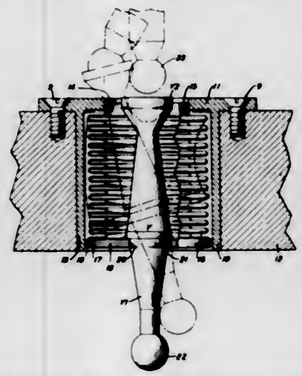
erators; and a thermostat in the auxiliary refrigerator controlling the operation of the pump.

2,546,364
RESIN MELTING
Ernest Klepetko, Bauer, Utah, assignor to Combined Metals Reduction Company, Stockton, Utah, a corporation of Utah
Application July 3, 1947, Serial No. 758,843
10 Claims. (Cl. 260—107)



1. The method of reducing to the molten condition a resin in solution in a solvent therefor with removal of the solvent from the resin, the evaporation of the resin solution being characterized by passing through a stage wherein volatilized solvent produces a voluminous froth composed of bubbles of viscous resin solution, which comprises establishing and maintaining a molten body of the resin, applying heat to said body of molten resin, agitating the body of molten resin sufficiently to facilitate distribution therethrough of said applied heat, introducing the resin solution to be evaporated onto the surface of said body at a rate such as to maintain said mass of froth, vigorously agitating the resulting froth adjacent the surface of said body, whereby separation of the solvent and resin is effected by volatilization of the solvent and melting of the residual resin, and withdrawing molten resin from said body thereof.

2,546,365
PNEUMATIC OPERATING CLUTCH DEVICE
Walter J. Leveridge, Tuckahoe, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1947, Serial No. 743,978
4 Claims. (Cl. 74—469)



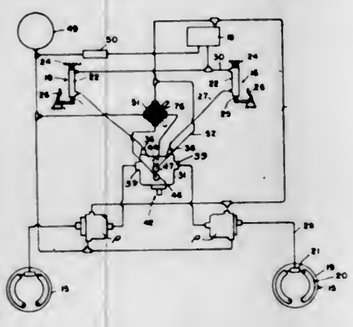
2. A pneumatically operable clutch mechanism comprising a bushing having a flange element for securing said bushing to one of the walls of a casing, a bellows, said flange element having means for securely receiving one end of said bellows, a disc member having its periphery secured to the opposite end of said bellows, a ring fitted over the periphery of said bellows in concentric relation to said disc to serve as a pivot for said disc, and an operable member carried by said disc having a clutch element formed at one end thereof for engaging a complemental clutch element upon a pressure difference acting on both sides of said disc.

2,546,366
SWITCH
William H. Lindae, deceased, late of St. Louis, Mo., by Eola A. Lindae, administratrix de bonis non, St. Louis, Mo.; said William H. Lindae assignor of one-half to Eola Lindae and one-half to Joseph P. Pohrer
Original application August 22, 1946, Serial No. 692,341, now Patent No. 2,511,354, dated June 13, 1950. Divided and this application May 1, 1947, Serial No. 745,196
5 Claims. (Cl. 200—162)



1. An electrical switch comprising a dielectric base-forming means, terminal ventilated contact posts mounted thereon in spaced relation to each other, a pair of blades, one on each side of said clips, a hinge bolt attaching one end of said blades to one of said contact posts, resilient separator means disposed between and adjacent the opposite ends of said blades for moving said blades simultaneously into and out of contact with the other contact post, leaf springs operatively mounted upon the blades and having inwardly-protruding surfaces for abutment against the outer surfaces of the blades, and an adjustable tension bolt connecting said springs.

2,546,367
HYDRAULIC BRAKING SYSTEM WITH POWER PARKING VALVE
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application November 27, 1944, Serial No. 565,359
14 Claims. (Cl. 60—54.5)



5. Fluid pressure operated mechanism comprising a source of fluid under pressure, a reservoir, a pair of fluid pressure operated actuators, fluid connections respectively connecting the source of fluid pressure and reservoir to the actuators, and a pressure reducing valve common to both actuators and located in said fluid connections for alternately connecting the actuators to the source and reservoir in dependence upon the pressure of the fluid at the actuators.

2,546,368
CHAIN STRUCTURE
Donald J. McIntosh and Mitchell Smith, Detroit, Mich.; said McIntosh assignor to said Smith
Original application February 16, 1948, Serial No. 8,664. Divided and this application June 13, 1949, Serial No. 98,734
3 Claims. (Cl. 74—254)



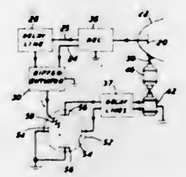
1. A roller chain comprising pairs of inside plates having rounded ends and circular openings adjacent to said ends, the centers of said openings being spaced inwardly of the plates from the centers of curvature of the rounded ends, spacers intermediate the ends of said inside plates, linking structure for interconnection between adjacent pairs of inside plates and spacers comprising a pair of identical assemblies, each of which consists of an outside plate having a pin permanently secured to one end thereof, the free end of said pin having a laterally extending head thereon, the other end of said outside plate having an enlarged opening therein large enough to permit passage of the head of the pin of the companion assembly, said outside plate having a struck-out abutment shaped to confront the rounded end of the adjacent inside plate so as to prevent separation of said linking structure when in alignment with adjacent inside plates.

2,546,369
START-STOP REPEATER
Roelof M. Oberman, The Hague, Netherlands
Application September 5, 1947, Serial No. 772,407
In the Netherlands October 6, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 6, 1962
3 Claims. (Cl. 178—70)



1. A receiving arrangement for telegraph code signals comprising in combination a reception relay having a signal operated reception winding; an armature, and a fixing winding connected in series with said armature; two change-over contacts cooperating with said armature in the stable position thereof; two sources of current being connected with different polarities to the respective change-over contacts of said relay for supplying fixing currents of alternative directions to said fixing winding, said fixing currents overruling the signal controlled currents in said reception winding; a timing device for periodically suppressing the preponderance of said fixing winding over said signal reception winding during a predetermined fraction of each period; and means for synchronizing said timing device with the signal.

2,546,370
AZIMUTH INDICATING CIRCUIT
Bernard Ostendorf, Jr., Stamford, Conn., and Wilton T. Rea, Manhasset, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1948, Serial No. 47,064
9 Claims. (Cl. 343—118)

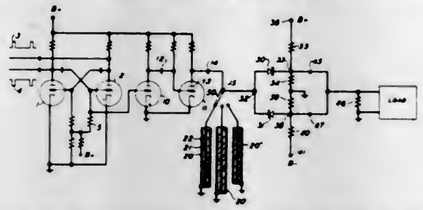


1. In a directional indicating system of the sector scanning type in which a highly directive exploratory energy receiving device is swept through said sector, means for obtaining an amplitude envelope of the received signals, means for delaying said amplitude envelope by a predetermined time interval, means for combining said delayed envelope with said undelayed envelope in opposed phase relation to obtain a difference signal, means for differentiating the difference signal to obtain a sharp positive pulse and means for producing an indication of direction from said sharp positive pulse.

2,546,371
GENERATION OF PULSES OF ALTERNATELY OPPOSITE POLARITIES

Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 22, 1947, Serial No. 793,305
3 Claims. (Cl. 250—27)

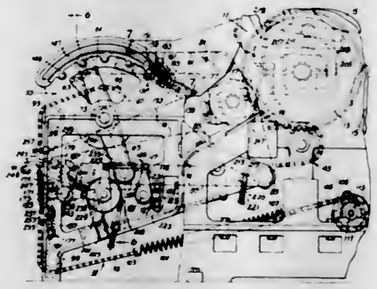


1. A primary source of periodic pulses of like amplitudes and polarities, a secondary source of pulses of like period, of opposite polarities, and of less amplitudes than the pulses of the primary source, a balanced pair of similar diodes, the first diode being adapted to conduct a current substantially proportional to the positive excess of a positive voltage applied to it above a preassigned positive threshold voltage, the second diode being adapted to conduct a current substantially proportional to the negative excess of a negative voltage applied to it below a preassigned negative threshold voltage, connections for applying the voltage of both sources to each of said diodes as a sequence of pulses of alternately opposite polarities and having a zero which shifts by the amount of the amplitude difference between the pulses of the primary source and the pulses of the secondary source, and biasing means rendering both of said diodes non-conductive for applied voltages of either polarity which are not greater in amplitude than the amplitude of said zero shift, whereby the current output of said diodes taken together constitutes a sequence of pulses of alternately opposite polarities and without zero shift.

2,546,372
WEB TENSIONING MECHANISM FOR PRINTING PRESSES

Carl W. Pinckert, St. Louis, Mo., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri

Application July 22, 1946, Serial No. 685,473
11 Claims. (Cl. 101—228)

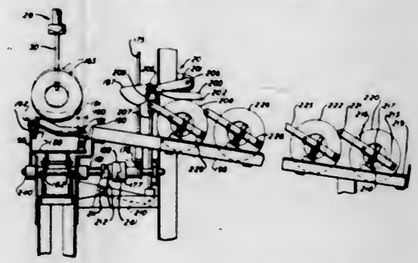


1. A tension mechanism for rotary printing presses comprising a tension frame having a tension roll in each end thereof, said frame being pivoted for oscillation about an axis intermediate said tension rolls, said frame being swingable about said axis in one direction to one initial position against one stop or in the opposite direction to another initial position against another stop, a spring biasing device detachably connected to the frame for biasing said frame to one of said initial positions, said device being alternatively connectable to said frame for biasing it to the other of said initial positions, a friction brake device adapted frictionally to retain said frame in one of said positions when it is biased to that position, and mechanism whereby said brake device may be held out of engagement with said frame when it is biased into the other of said positions.

2,546,373
CONVEYER UNLOADER

Vincent A. Rayburn and Duer C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 21, 1945, Serial No. 636,404
5 Claims. (Cl. 214—60)



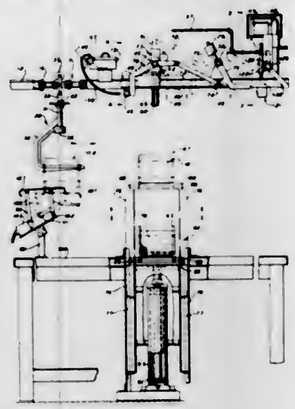
3. In a conveyer, a platform, a hook for carrying a reel, a chain for advancing the hook over the platform, a cam having a dwell portion formed thereon, a roller carried by the chain for engaging the cam when the hook is positioned over the platform, a shaft for raising the platform when rotated, a clutch operably connected to the shaft and the cam for transmitting power from the cam to the shaft, whereby the platform is raised when the cam is struck and raises a reel carried by the hook from the hook, said roller serving to maintain engagement with the dwell portion of the cam until the hook has been advanced out of contact with the reel and then moving out of engagement with the cam, whereby the reel forces the platform downwardly, a storage ramp, a stop for engaging one edge of the platform to tilt the platform as it is forced downwardly, whereby the reel is discharged from the platform into the ramp, a rider pivotally mounted over the ramp, and means for connecting the rider to the clutch, said rider being merely rocked without moving the rider-connecting means when the ramp is not full and the rider is engaged by a reel rolling thereunder, but serving to actuate the rider-connecting means to disengage the clutch when engaged by two reels.

2,546,374
CONVEYER

Vincent A. Rayburn and Duer C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application December 21, 1945, Serial No. 636,404. Divided and this application January 8, 1948, Serial No. 1,156
7 Claims. (Cl. 198—20)

1. A conveyer, which comprises an endless conveyer element, an elevated track for guiding the conveyer element along a predetermined path, an article-engaging element carried by the conveyer element, means for advancing the conveyer element along the track, an elevator positioned adjacent to the track for positioning an article in the path of the article-engaging means, a trip roll carried by the conveyer element a predetermined distance in advance of the article-engaging element, means for controlling the operation of the elevator, an L-shaped cam normally in the path of the trip roll for actuating the elevator-controlling means when struck by the trip roll to



cause the elevator to move an article into the path of the article-engaging means, said L-shaped cam having a dwell portion which is engaged by the trip roll until the article is engaged by the article-engaging means, a second cam, and a link for connecting the first cam and the second cam for movement together, said second cam being movable into the path of the trip roll when the trip roll strikes the first cam and serving to move the first cam into the path of the trip roll when the second cam is struck by the trip roll, said second cam being spaced a predetermined distance in advance of the first cam.

2,546,375
RECTILINEAR-MOTION BALL-BEARING UNIT

Theodore F. Schlicksupp, Long Island City, N. Y.

Application January 4, 1947, Serial No. 720,207
3 Claims. (Cl. 308—6)

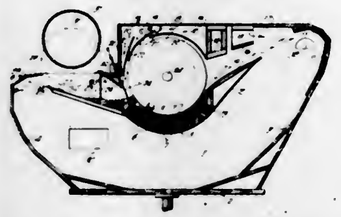


1. A ball bearing unit adapted for use between the surfaces of two objects that are relatively slidable comprising a body portion having a recess in one of its faces forming a ball pocket, said recess extending only partially into said body portion so that balls may roll on the bottom wall of the recess, a center member separate from said body portion and positioned centrally within said recess and whose peripheral wall forms with the side and bottom walls of the recess an endless ball channel, antifriction balls completely filling said channel, said center member having a radially extending flange adapted to partly overlie the balls in said channel, and at least one screw-threaded member passing through said body portion and adapted when screwed into one of the two objects between which the bearing unit is to be positioned to clamp said center member against the bottom of the recess in the body portion and at the same time clamp the unrecessed face of the body portion against such object, the balls then being retained in said channel by said radially extending flange on the center member which partly overlies them, and the balls being of such size as to project out of at least one portion of said channel when the bearing unit is thus attached to one of the objects so that they can make rolling contact with the surface of the other object.

2,546,376
PULP BEATER

Walter N. Sherwood, Eagle Bridge, N. Y.

Application October 20, 1945, Serial No. 623,474
6 Claims. (Cl. 92—22)



1. In a pulp beater, the combination with a tub, of a bed plate extending from side to side of said tub and suspended above the bottom thereof to provide a passage for the flow of stock through said tub below said plate, a roll adapted to be rotated at comparatively high speed cooperating with said bed plate throughout a distance approximating its diameter; said bed plate being approximately symmetrically disposed with respect to a vertical plane through the axis of said roll, whereby stock will be projected from said roll at high velocity, at a substantial angle to the horizontal, and to a substantial height to maintain a high level of stock in said tub behind said roll; a platform fixedly suspended above the bottom of said tub and forming with the sides thereof a trough having its bottom extending from a zone closely adjacent both the end and top of said tub in front of said roll downwardly to said bed plate for the flow of stock therethrough to the descending side of said roll; a cover on said tub extending from the end thereof in front of said roll to a zone closely adjacent but above the level of the bottom of said trough at the entrance thereto and forming with the sides and end of said tub and the bottom of said trough a completely laterally enclosed passage of restricted cross-sectional area for the flow of stock therethrough under pressure into said trough; whereby a rolling and tumbling thereof will take place as it is discharged into said trough, and a thorough mixing thereof will be facilitated.

2,546,377
BRIDGING PLUG

George F. Turechek, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Original application January 20, 1942, Serial No. 427,457, now Patent No. 2,382,455, dated August 14, 1945. Divided and this application May 19, 1945, Serial No. 594,708
8 Claims. (Cl. 166—13)

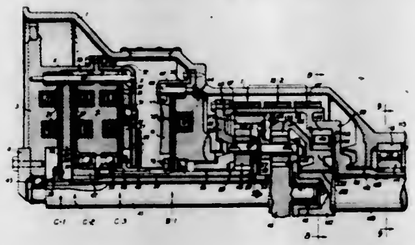
1. A well tool comprising: a mandrel; a resilient packer sleeve encircling said mandrel; a circum-

ferentially segmented expansible ring around said mandrel at each end of said packer sleeve, each expansible ring being initially positioned in abutment with the adjacent end of said packer sleeve and being free to slide radially and to rotate with respect to said packer sleeve, each expansible ring having a frusto-conical bore portion outwardly diverging in a direction away from the packer sleeve; an expanding member slidable on said mandrel adjacent that end of each expansible ring which is directed away from the packer sleeve, each expanding member having a frusto-



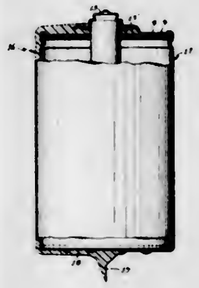
conical portion insertible into the frusto-conical bore portion of its adjacent expansible ring in wedging engagement therewith, said rings thereby being expansible by said expanding members into continuous sealing contact with the inside surface of a surrounding casing, and thus together with said expanding members sealing the annular space between the casing and said mandrel at the ends of said packer sleeve to confine said packer sleeve axially therebetween; and means to actuate said expanding members to expand said rings and packer sleeve.

2,546,378
TRANSMISSION
Martin P. Winther, Gates Mills, Ohio, assignor to Martin P. Winther, as trustee
Application April 21, 1949, Serial No. 88,880
12 Claims. (Cl. 74—759)



1. A transmission comprising a frame, a driving member, a driven member, a first clutch driven by the driving member, a primary planetary gear train connecting the clutch and the driven member; said train including a primary planetary gear, a carrier therefor, a primary sun gear driven by said first clutch and meshing with the primary planetary gear, and a primary ring gear also meshing with said primary planetary gear; a second clutch adapted to be driven by the driving member, a secondary gear train including a secondary carrier supporting a secondary planetary gear, a secondary sun gear adapted to be driven by said second clutch and meshing with the secondary planetary gear, and a secondary ring gear also meshing with said secondary planetary gear and carried by the primary carrier; and a third clutch directly connecting said driving member with said secondary carrier, said primary carrier and secondary ring gear being connected to said driven member.

2,546,379
DRY CELL AND METHOD OF MAKING SAME
William B. Woodring and Otto K. Reinhardt, New Haven, Conn., assignors to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application April 15, 1947, Serial No. 741,530
6 Claims. (Cl. 136—133)

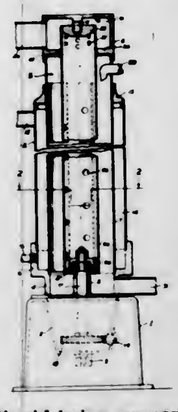


1. A leak-resistant battery cell having top and bottom terminals, comprising a metal can forming one of the electrodes and furnishing the bottom terminal of the cell, a closure for the upper end of the can, a top terminal for the cell projecting exteriorly beyond the said closure, and a taut jacket formed from a gel lacquer covering the side walls, a circumferential portion of the bottom and the entire closure of the cell leaving the top and bottom cell terminals exposed, the jacket being adhered to the said closure but having substantially no adhesion to the metal can and providing a mechanical seal by shrinkage at the bottom of the cell.

2,546,380
APPARATUS FOR CONCENTRATING LIQUIDS
George G. Zahm, Buffalo, N. Y., assignor to Hurd Corporation, New York, N. Y., a corporation of Delaware
Application January 31, 1945, Serial No. 575,512
4 Claims. (Cl. 159—6)

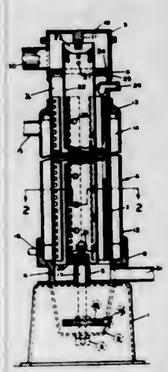
1. For use with apparatus for concentrating liquids including a steam-jacketed cylindrical column the improvement comprising a tubular impeller rotatably mounted co-axially within the column, said impeller having a plurality of apertures opening into its interior and a plurality of radially extending blades projecting outwardly and being of arcuate transverse cross-section so as to curve rearwardly with relation to the direction of travel of the impeller so as to overlie the apertures, in radially outwardly spaced relation thereto, said blades further being, at their

outer margins, spaced away from the inner face of the column by a relatively small distance so as



to spread the liquid being concentrated in a thin film over such inner face.

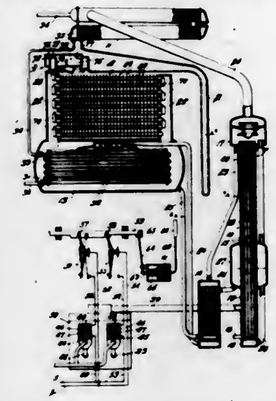
2,546,381
APPARATUS FOR CONCENTRATING LIQUIDS
George G. Zahm, Buffalo, N. Y., assignor to Hurd Corporation, New York, N. Y., a corporation of Delaware
Application March 3, 1947, Serial No. 731,952
7 Claims. (Cl. 159—13)



2. For use in apparatus for concentrating liquids having impeller blades, the improvement comprising auxiliary scrapers comprising scraper elements hingedly mounted on selected impeller blades, scraper combs secured to the scraper elements, and adjustment means associated with the scraping elements for engagement with the blades for optionally determining the amount of outward swinging movement of the scraper combs during impelling action of the blades.

2,546,382
AIR CONDITIONING
Norton E. Berry, Newburgh, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 2, 1946, Serial No. 645,088
19 Claims. (Cl. 62—129)

1. In an absorption refrigeration system of the type which operates in a partial vacuum and utilizes water as a refrigerant and a salt solution as an absorbent, an evaporator having a plurality of sections through which refrigerant flows by gravity, means for supplying refrigerant, a refrigerant divider above the evaporator and adapted to receive refrigerant from the supplying means, a connection between the refrigerant divider and

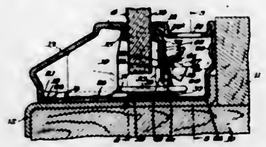


one section of the evaporator for delivering refrigerant thereto at a predetermined rate, and another connection between the divider and another section of the evaporator for delivering refrigerant thereto when the liquid in the divider rises above a predetermined level.

2,546,383
METHOD OF MAKING A RUBBERLIKE CLEANING COMPOSITION
Hans Blumberg, Peabody, Mass.
No Drawing. Application October 19, 1945, Serial No. 623,435
4 Claims. (Cl. 252—165)

1. A method of making a solid, dry, cleaner base, comprising the steps of reacting approximately 100 parts of soya bean oil with 6–12 parts of hydrated lime, cooling to 50° F., adding approximately 15 parts of sulphur monochloride diluted with one-third of its volume of inert petroleum solvent, cooling to 50° F., adding approximately 16½ parts of sulphur monochloride diluted with ½ its volume of inert petroleum solvent, with vigorous stirring until the mass solidifies as a whole.

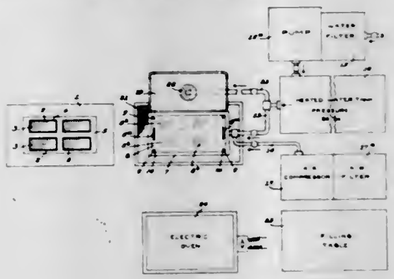
2,546,384
STORE FRONT CONSTRUCTION
John J. Bosshard, Harvey, Ill., assignor to Brasco Manufacturing Company, Harvey, Ill., a corporation of Delaware
Application July 10, 1946, Serial No. 682,708
8 Claims. (Cl. 20—56.4)



1. Store front construction comprising in combination an outer glass pane section, an inner glass pane section, a glass pane, a clip fitted into the outer glass pane section having a plug thereon extending toward the inner glass pane sec-

tion, an anchor member mounted in said inner glass pane section having an opening therein through which the said plug extends, a spring locking member having one end fixed to said anchor member and its free end in frictional engagement with the said plug when in locked position and a latch member whereby the spring locking member is moved out of engagement with the said plug.

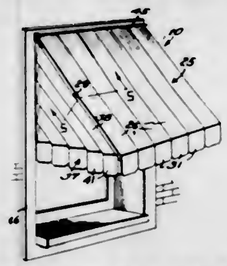
2,546,385
APPARATUS FOR WASHING AND STERILIZING MEDICINAL CONTAINERS
Vincent Christina, Pawling, N. Y., assignor to Logan Laboratories, Inc., New York, N. Y., a corporation of New York
Application November 29, 1944, Serial No. 565,772
5 Claims. (Cl. 134—89)



1. In an apparatus for mass washing and sterilizing ampules free of hand contact with the same, the combination of an ampule washer having upwardly directed jet tubes, a sterilizer for the washed ampules providing a baking heat, a portable ampule-holding tray transferable to and from the washer to the sterilizer, the said tray providing individual seats for a mass assembly of ampules in which they are held solely by their own weight in definite spaced relation and without removal therefrom in conveyance in the tray to which they are transferred in mass from their packing cases to the washer for the washing operation and in subsequent conveyance from the washer to the sterilizer until the ampules are sterilized, removed from the sterilizer, and filled, and means wholly enclosed by said washer by which the entrance of the tray therein is mechanically guided to cause the open ends of the contained ampules to automatically register in centered relation with the jet tubes thereof, said means comprising vertically disposed pins that enter openings in the tray and are made of greater length than the jet tubes of the washer to definitely position the tray by entering the openings thereof before the jet tubes enter the open ends of the ampules.

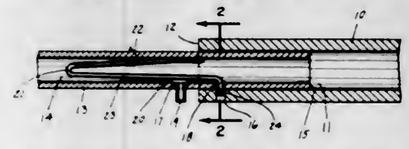
2,546,386
DEMOUNTABLE AWNING
Joseph J. Ciciarelli, New Kensington, Pa.
Application October 17, 1947, Serial No. 780,365
2 Claims. (Cl. 20—57.5)

1. An awning of the rigid type having a frame whose side members are arranged in triangular form adapted for connection at one side to a vertical wall and having upper members sloping downwardly and outwardly from the wall, horizontally-extending cross bars connecting the said upper members of the frame, awning-top panels all having depending yieldable flanges along their longitudinal edges, in normally relatively-flared relation, a threaded tie rod extending through the flanges of the panels and having nuts thereon to clamp the panels in close-fitting edge-to-edge relation at a common plane and with their flanges



flexed into parallelism with one another, and clips embracing the rod, at points between the flanges of certain of the panels, and also having hooked engagement with one of the cross bars, to hold the top on the frame.

2,546,387
DETACHABLE HANDLE LOCK
Fredrick W. Coffing, Danville, Ill.
Application March 12, 1947, Serial No. 734,048
3 Claims. (Cl. 279—79)

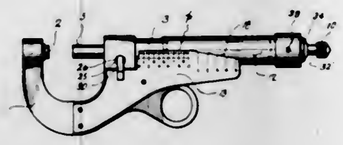


1. A separable and lockable extension and handle comprising a pair of longitudinally alignable, readily separable members having confronting socketed adjacent ends, the larger socket member having a transversely disposed locking seat opening inwardly near the mouth of the larger socket, the latter telescopically receiving the member having the smaller socket, the latter member having a transversely disposed opening near the mouth of its socket, a transversely disposed tooth in the transverse opening in the member having the smaller socket and normally constrained to projecting position for seating in the larger socket seat, a U-shaped spring member providing the said constraint and vested in the smaller socket, and manually operable means independent of said spring and having a portion exteriorly exposed relative to the smaller socket including member for manual operation and an interior portion arranged to engage the spring and to retract said tooth from projecting position in opposition to said spring, said spring normally retaining said independent operable means upon the smaller socket including member.

2,546,388
MICROMETER CALIPER
Leo F. Collins, Seattle, Wash.
Application June 23, 1947, Serial No. 756,361
1 Claim. (Cl. 33—166)

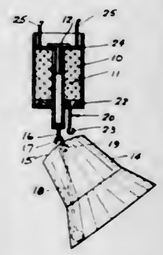
A caliper of the character described comprising a frame having an anvil fixed therein and a spindle having a threaded mounting in the frame for adjustment toward and from the anvil; a thimble fixed to the spindle to rotate and to move endwise therewith, a scale plate fixed to the frame,

with a straight edge that extends along the thimble, and a scale calibrated on said edge by graduations at spacings equal to the lead of the spindle thread, and said thimble having a helical line defined thereon that extends once around the thimble in a lead equal to that of the spindle thread and terminating at its ends in a zero line that is lengthwise of the thimble, and which helical line will register at its ends in exact coincidence with adjacent graduations on the scale when the zero line of the thimble is registered



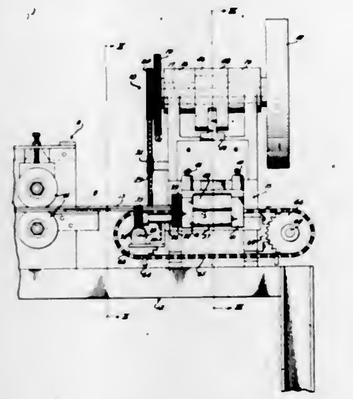
with said scale edge, and there being graduations on the thimble along the helical line starting at the zero line and setting off equal fractional parts of the circumferential distance about the thimble; said fixed scale plate having an angularly directed edge continuing from one end of the straight edge scale and of a length to span two adjacent longitudinal lines of the thimble, and there being graduations on the angularly directed edge setting off even fractional parts of the spaces between said longitudinal lines.

2,546,389
RINGING TOY BELL
Abraham Damast, Great Neck, N. Y., assignor to Criterion Bead & Novelty Corp., Long Island City, N. Y., a corporation of New York
Application December 23, 1948, Serial No. 66,899
3 Claims. (Cl. 177—7)



1. In ringing toy bells, a vertical axis solenoid coil, a vertical solenoid core freely slidable through said coil, means for limiting downward motion of said solenoid core to a position projecting from the bottom of said coil in order that said core may move to an up position when said core is energized, a bell having a dome-shaped top swingingly connected at the center of its top with the bottom of said core and also having a swingingly mounted clapper for striking and ringing said bell when the latter swings, a cam mounted on the bottom of said coil and engageable with said dome-shaped top for swinging said bell laterally in one direction when said core moves to its top position in order that said bell swings laterally in the other direction when said bell moves down due to gravity, and said core moving down a sufficient distance to its down position in order that said swinging bell avoids hitting or touching said cam so as not to muffle the crystal clear ringing of said bell at this time.

2,546,390
CUTTING AND FEEDING MACHINE
Verne P. Donner, Palatine, Ill., assignor to Mid-Continent Metal Products Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1948, Serial No. 49,399
8 Claims. (Cl. 164—49)

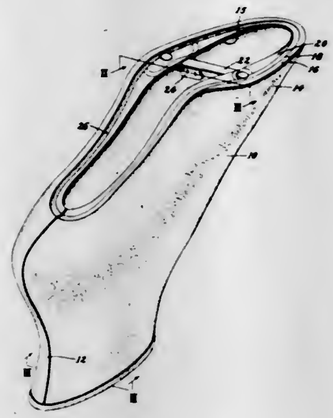


1. A machine for feeding elongated material, for cutting the elongated material into blanks, and for feeding the blanks in desired relationship which comprises a pair of feed rolls defining a pressure nip for receiving elongated material therebetween to advance said material, means providing confined guide paths for the material advanced by said feed rolls, one of said means being rockable and having a cutting edge on the discharge end thereof for receiving the elongated material thereover, a reciprocal cutter coacting with said cutting edge to sever blanks from the leading end of the elongated material, an adjustable abutment means spaced from said edge and adapted to receive the leading edge of the elongated material thereagainst for gauging the width of blanks cut from said elongated material, spaced supports beneath said cutter for receiving blanks therefrom, ejector mechanism operating in the space between said spaced supports for ejecting the blanks from the machine, means for tilting said rockable means in an upward direction to move the elongated material above the ejector means between cutting operations, and means for continually driving said feed rolls to advance the elongated material against said abutment means whenever the cutting mechanism permits such advancement and to slip relative to the elongated material whenever the cutting mechanism prevents such advancement.

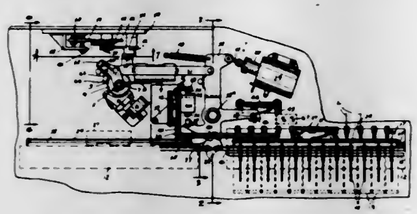
2,546,391
SHOE FORM WITH STIFFENING FLANGE
Isaac Goodfellow and William J. De Witt, Auburn, N. Y., assignors to Shoe Form Co. Inc., Auburn, N. Y., a corporation of New York
Application May 29, 1948, Serial No. 29,965
3 Claims. (Cl. 12—128)

1. A shoe form shaped to support the upper of the shoe and having a narrow bottom flange

around the forepart thereof, said flange being reinforced by a ridge separating an outer flat portion and an inner flat portion lying at a different level.

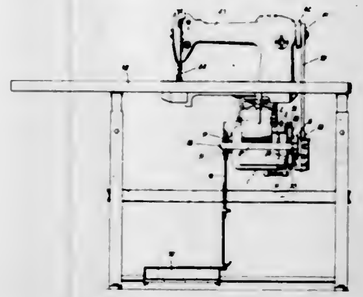


2,546,392
ELECTRICAL SELECTOR FOR PHONOGRAPHS AND THE LIKE
Otto E. Grupp, Jr., Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application May 7, 1948, Serial No. 25,693
15 Claims. (Cl. 175—320)



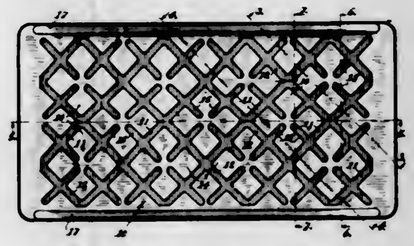
1. In a coin controlled electric selecting mechanism including an impulse actuated credit accumulator for setting up a credit for each coin value, and a plurality of selector keys and selector circuits individually controlled thereby, the combination therewith of an electric control circuit including therein an accumulator switch, controlled by said credit accumulator, a mechanical key interlock, a control solenoid in said control circuit connected to said interlock, said control circuit being conditioned by the closing of said accumulator switch to energize said solenoid upon closing of said key actuated switch, said control solenoid being operable to actuate said interlock for locking said keys against operation and close the circuit to a selected selector solenoid, and means to thereafter deenergize said control solenoid to permit return of said key interlock to unlocking position, open said selector circuit, and actuate said accumulator to cancel one credit.

2,546,393
SEWING-MACHINE DRIVING MECHANISM
Arthur N. Hale, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 3, 1948, Serial No. 63,295
9 Claims. (Cl. 112—219)



1. The combination with a sewing machine having stitch-forming mechanism including a reciprocatory needle, a power transmitter operatively connected for driving said sewing machine and including a driving clutch-element, a brake, and a driven clutch-element adapted to be alternately shifted laterally to engage either said driving clutch-element or said brake, a manually operable lever for effecting engagement of said driving and driven clutch-elements the one with the other, a bracket adjustably secured to said power transmitter, and spring means carried by said bracket and connected to said lever for yieldingly holding said driven clutch-element in a neutral position free of engagement with both said driving element and said brake.

2,546,394
FOOTREST
Cline Harry Harmon, Waterloo, Iowa, assignor to Waterloo Foundry Company, Waterloo, Iowa, a co-partnership
Application August 20, 1947, Serial No. 769,647
12 Claims. (Cl. 154—49)



1. A footrest of the character described, comprising a mat molded as a unitary article of resilient material and of substantial thickness, the upper surface of the mat being provided with a multiplicity of grooves, arranged in two series and extending in opposite directions and thereby forming a plurality of separate tread areas, the underside of the mat being formed with a cavity in substantial vertical alignment with each of the respective tread areas.

2,546,395
METHOD OF MAKING ELECTRICAL CONNECTORS
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application November 7, 1945, Serial No. 627,141
1 Claim. (Cl. 10—27)



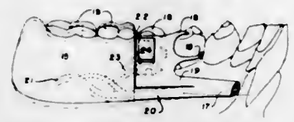
The method of making electrical connectors of the split bolt type for maximum contact engagement with an electrical conductor of predetermined size, which comprises stamping a metal blank of uniform thickness out of sheet metal, said blank having a substantially rectangular central body provided with a pair of oppositely extending narrow legs to be threaded, and each leg having a further short extension of smaller size to be unthreaded, forming a head on said blank by compressing those portions of the rectangular body which project laterally with respect to the elongated legs, the said compressing forming a pair of opposite and parallel flat shoulders on said body and thinning by compressing the laterally projecting compressed portions to form laterally widened hoods on said head for elongated engagement with said conductor, while maintaining the central portions and legs of uniform thickness, bending the members so formed into substantially U-shape with parallel flat legs of substantially uniform thickness, and having a smaller partially cylindrical formation on the inside of the yoke of said U-shaped member, which is a few thousandths of an inch smaller in diameter than said conductor which it is intended to receive, and simultaneously performing the compressing of the external surfaces of said legs into partially round shape, and the coining upon said external surfaces matching helical threads adapted to threadedly receive a standard nut, the narrower end portions of said legs being formed into short cylindrical guiding portions of reduced diameter.

2,546,396
COMBINATION BOAT FENDER AND LIFE RAFT
Leon R. Jenkins, Miami, Fla.
Application December 9, 1949, Serial No. 132,149
3 Claims. (Cl. 114—219)



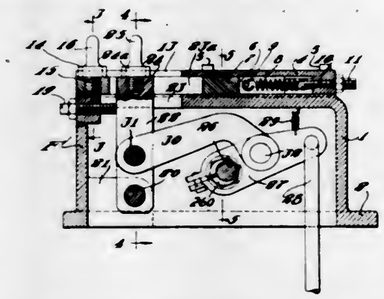
1. A combination boat fender and life raft that comprises a tubular casing formed of woven fabric and open at its ends, lacing grommets and rope connecting grommets fixed to each end of the casing, a wear shield of tubular form detachably engaged over the casing, grommets fixed to the wear shield upon opposite sides, an air cell formed of a vehicle tire tube compressed to oblong shape and inserted within the casing, the air cell provided with an inflation valve upon its tread surface to project from one end of the casing, the ends of the casing adapted to be folded inwardly and laced together through the lacing grommets, a life line extending entirely around the horizontal circumference of the casing and underlying the end folds, said line threaded through the grommets of the shield in looped form and supporting ropes threaded through the rope connecting grommets of the ends to provide looped portions.

2,546,397
STRESS-RELIEVING ARTICULATION FOR PROSTHETIC DENTURES
Leonard E. Johnson, Wheat Ridge, Colo.
Application October 2, 1948, Serial No. 52,446
7 Claims. (Cl. 32—5)



1. The combination with an operatively-rigid, clip-anchorable, denture yoke, of an integral yoke arm resiliently yieldable in opposition to an anchor clip, an integral, restoration-supporting extension of said arm projecting beyond said yoke, an apertured web fixedly associated with said yoke adjacent the anchor clip opposed by said arm, an element of said extension shiftably traversing the aperture of said web, and shoulders on said element overlapping opposite faces of said web to inhibit displacement of said element longitudinally relative to the web.

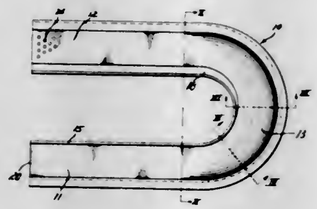
2,546,398
LAST EXPANDING MACHINE
Jacob S. Kamborian, West Newton, Mass.
Application November 29, 1946, Serial No. 713,183
9 Claims. (Cl. 12—15)



6. Apparatus for use in expanding a shoe last comprising separable forepart and heel portions each having a spindle socket and automatic means for locking said last portions at a fixed distance apart when the last is fully expanded, said apparatus comprising a spindle whose axis is always substantially vertical and a spindle which is pivotally supported so that its axis may be inclined to the vertical, means normally holding said spindles parallel and at such a distance apart that they may be entered into the corresponding spindle sockets of the fully contracted last, means for swinging the pivoted spindle to separate the last parts until they are locked with the last fully expanded, a horizontally slidable carriage on whose forward portion the first spin-

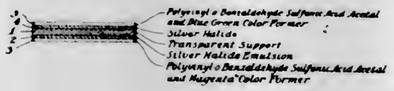
dle is fixed, the carriage having a longitudinal slot in which the pivoted spindle may freely move, a spring urging the carriage rearwardly, an adjustable stop limiting such rearward movement of the carriage and determining the normal position of the first spindle, the carriage being movable forwardly from its normal position in opposition to said spring whereby while the last remains locked in expanded position, the pivoted spindle may be restored to normal position before removal of the last from the spindles.

2,546,399
BOWLING GAME
Russell D. Lund, Chicago, Ill.
Application May 3, 1947, Serial No. 745,691
4 Claims. (Cl. 273—39)



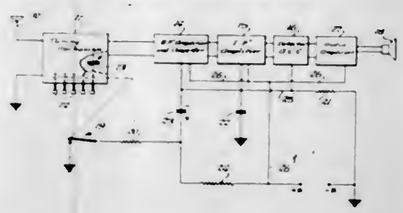
1. A bowling game comprising a generally U-shaped alley including a pair of flat horizontal lanes and a banked curved lane, an inside flange extending along the inner periphery of the U-shaped alley arranged to receive and retain bowling balls therein, an outer lip overhanging and extending along the outer peripheral portion of the U-shaped alley for maintaining balls therein, the inner wall of said outer peripheral portion gradually forming into a channel gutter as it progresses about the upper edge of the banked curved portion of the alley and along one horizontal lane thereof and cooperating with said overhanging lip to receive and retain a ball therein.

2,546,400
COLOR YIELDING ELEMENTS FOR COLOR PHOTOGRAPHY
Otis Willard Murray, Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 11, 1945, Serial No. 634,256
11 Claims. (Cl. 95—2)



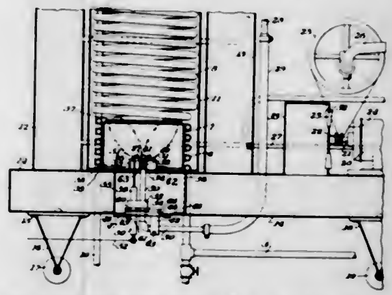
1. A photographic element comprising a support, a light-sensitive colloid-silver halide emulsion layer superposed thereon bearing on its entire surface a dry outer layer of a water-soluble colloid which is insoluble in aqueous alkaline developer solutions containing at least 2% by weight of dissolved inorganic salts, said outer layer containing a mobile color former which is capable of coupling with oxidized primary aromatic amino developing agents to form a dye taken from the group consisting of quinoneimine and azomethine dyes.

2,546,401
MUTING SYSTEM FOR RADIO RECEIVERS
Madison G. Nicholson, Jr., Snyder, and Maxwell C. Scott, Lancaster, N. Y., assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts
Application April 24, 1947, Serial No. 743,686
7 Claims. (Cl. 250—20)



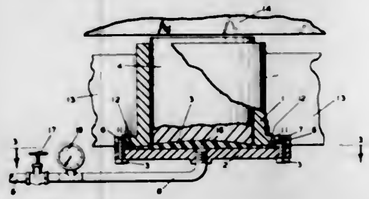
1. In a radio receiver having a plurality of push buttons for station selection, at least one amplifier tube, and a source of B voltage, means for muting said receiver during tuning changes, comprising a condenser interposed between an amplifier grid return and ground, a second condenser interposed between the plus B terminal and said grid return, a connection including switch contacts connected in series between the plus B side of said second condenser and ground, said switch being provided with passing contacts arranged to be closed momentarily in response to operation of a push button to change the receiver tuning, and a resistance interposed in series between plus B terminal and said switch.

2,546,402
LIQUID FUEL BURNER, ATOMIZING TYPE
Frank W. Ofeldt, Carnot, Pa., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania
Application March 31, 1947, Serial No. 738,316
8 Claims. (Cl. 158—4)



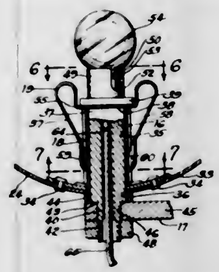
1. In a burner structure the combination of a wind box closed at its ends, a blower arranged to force air into the wind box, a combustion chamber having a floor and mounted on top of the wind box intermediate of the ends of the latter, a fire pot mounted on the floor concentrically within the combustion chamber, an open ended air guide secured to the floor of the combustion chamber and extending from the wind box into the fire pot, means defining an opening in the bottom of the wind box in alignment with the air guide, a removable lid closing said opening, a burner mounted on the lid and projecting up through the air guide into the fire pot and having a deflector which produces a flame in the shape of an annular vortex, and means to adjust the burner relative to the lid to center the flame within the fire pot.

2,546,403
PRESSURE RESPONSIVE DEVICE
Clyde D. Pendleton, Eugene, Oreg.
Application March 13, 1948, Serial No. 14,737
3 Claims. (Cl. 137—157)



3. In a pressure responsive device, a cylinder having a flanged end, a detachable head secured to said flange, a groove in said flanged end, said head being planar, an elastic diaphragm formed with an integral bead portion forming its perimeter secured to said flange by said head, said bead of the same perimeter as said groove to fit therein and a metal ring vulcanized within said bead.

2,546,404
VEHICLE SIGNAL LIGHT
Bretislav J. Prochaska, Jackson Heights, N. Y.
Application September 28, 1949, Serial No. 118,437
6 Claims. (Cl. 177—329)



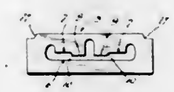
4. In a signal light for use on vehicles, the combination comprising a spindle part having a bearing surface thereon, a mounting bracket secured to one end portion of the spindle part, a light housing having a bearing part therein for receiving the spindle part so as to support the housing for rotation relative to the spindle part and bracket, and a resiliently biased element on the spindle part and urged into engagement with the bearing part, and notches in said bearing part aligned for engagement by said element to hold the light housing in predetermined positions relative to the mounting bracket.

2,546,405
SAFETY RAZOR
Gerard Rauglas, Chicago, Ill.
Application December 29, 1945, Serial No. 637,893
8 Claims. (Cl. 30—51)

1. The combination with a razor blade having a single cutting edge of a blade holder having a blade engaging seat, said blade having rearwardly facing abutment-engaging shoulder means for limiting the rearward movement of the blade on the blade seat, and having abutment-engaging shoulder means for limiting the endwise movement of the blade on the blade seat, the end edges of the blade extending forwardly from the outer ends of the rearwardly facing shoulder means to the cutting edge of the blade, said blade having a long narrow slot therethrough extending longitudinally of the blade and terminating adjacent the said end edges to provide two relatively narrow arms connecting the portion of the blade in front of the slot and the portion of the blade to the rear of the slot, said holder having a laterally elongated rockable pusher arm extending beyond said seat into said slot, the rear edge of said slot having laterally extending forwardly facing arm-engageable shoulder means whereby the blade may be pressed rearwardly to force said rearwardly facing shoulder means rearwardly, and spring means urging said rock arm rearwardly.

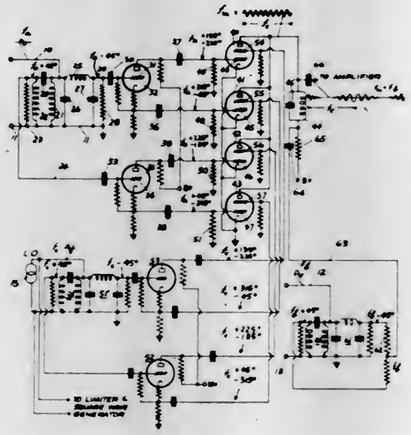


2,546,406
RAZOR BLADE
Gerard Rauglas, Chicago, Ill.
Application April 8, 1946, Serial No. 660,535
2 Claims. (Cl. 30—351)



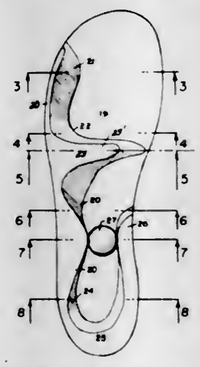
2. A single shaving edge safety razor blade having a narrow slot extending lengthwise of the blade, the front edge of which slot extends in general parallel to the front shaving edge of the blade from a position adjacent one end of the blade to a position adjacent the other end of the blade, the rear edge of said narrow slot lying adjacent the center line of the blade to provide a narrow blade portion of uniform width in front of said slot extending substantially from one end of the blade to the other, said blade being of spring material and said slot having a notch extending rearwardly from each end thereof and a notch extending rearwardly from the central portion thereof to provide two leaf springs.

2,546,407
ELECTRICAL SYSTEM FOR INDICATING RELATIVE PHASE DISPLACEMENT
Stanley R. Rich, Cambridge, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application January 31, 1947, Serial No. 725,478
13 Claims. (Cl. 172—245)



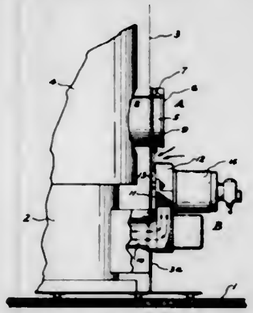
1. An electric system for indicating the phase displacement between first and second periodically varying electrical quantities comprising: means to continuously rotate the phase of the first of said quantities at a fixed frequency to produce a new periodically varying quantity; means to combine said new quantity with said second quantity to obtain a beat frequency envelope having said fixed frequency of said phase rotation whereby the phase relation between the frequency of said envelope and said phase rotation frequency is proportional to the phase relation between said first and second quantities; and means to indicate the phase relation between said envelope and said phase rotation frequency.

2,546,408
INSOLE-TYPE APPLIANCE
Florida L. Riggs, Gilcrest, Colo.
Application March 7, 1950, Serial No. 148,100
8 Claims. (Cl. 36—71)



1. An insole-type appliance of the character described, comprising a thin, flexible unit contoured for co-operating accommodation and retention within a shoe in overlying relation with the shoe sole inner face, a cushioning strip of resilient material upstanding from, along, and in marginal coincidence with the outer side and heel outline of said unit, a forward terminal area on said strip disposed for engagement beneath the foot fourth and fifth phalanges, an integral, lateral extension of said strip transversely of the unit disposed for conforming engagement with and beneath the foot metatarsal arch, and a domed boss of resilient material upstanding from said unit in position for registration beneath the joint common to the foot scaphoid, cuboid, astragalus and os calcis bones.

2,546,409
VENT MEANS FOR OIL-BURNING FURNACES
Alden J. Ritter, Elyria, Ohio, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application December 14, 1948, Serial No. 65,170
1 Claim. (Cl. 158—1)

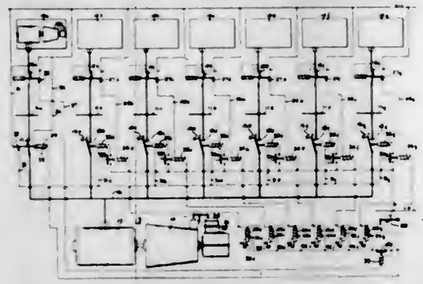


In a furnace including an upright panel, a combustion chamber behind said panel, and oil burner means for said cumbustion chamber and including blower means located in slightly spaced relation to the front of said panel with its air inlet opening leading from the space therebetween: observation door means for said combustion chamber including a door frame extending forwardly of said panel above and adjacent said space, and a door mounted on said frame at the forward extremity thereof, said frame having a vent opening located in its bottom portion between said panel and said door, whereby said openings are concealed, yet provide a direct and short path therebetween for return purge of vented combustion chamber contents.

2,546,410
POWER PLANT SYSTEM
Anthony F. Schwendner, Ridley Park, and Oxro N. Bryant, Prospect Park, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1945, Serial No. 575,127
17 Claims. (Cl. 290—4)

1. In a power plant system, a plurality of first and second main turbo-generators of differing frequencies, buses for the main turbo-generators, a spare turbo-generator including a turbine, means for connecting the main turbo-generators to their buses and for connecting the spare turbo-generator to the bus of the first main turbo-generator, governing mechanism for the turbine, means pre-set for adjusting the governing mechanism for operation of the spare

turbo-generator suitably to the frequencies of the buses to which the second turbo-generators are connected and automatically operative in response to failure of a second main turbo-generator to adjust the governing mechanism for the



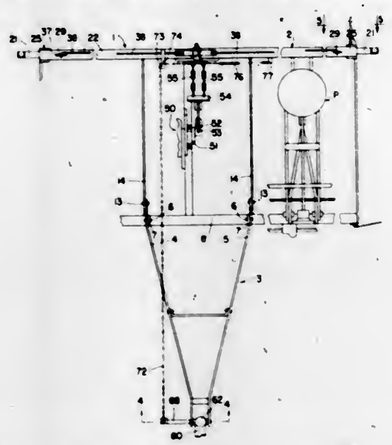
bus of the latter, and means responsive to operation of the last-named means to disconnect the spare turbo-generator from the bus of the first main turbo-generator and for connecting it to the bus of the failing second main turbo-generator.

2,546,411
APPARATUS FOR DIGGING AND HARVESTING VEGETABLES
Salvatore Vella, Albion, N. Y.
Application December 3, 1947, Serial No. 789,379
3 Claims. (Cl. 55—51)

1. An apparatus for digging and harvesting vegetables and adapted for attachment to a tractor for movement therewith comprising a mobile rocking frame of rectangular shape provided with upstanding side members, said side members having pointed ground engaging portions at the forward ends thereof, an adjustable digger blade transversely disposed at the forward end of said frame, an endless conveyor carried by said frame between said upstanding side members and having a plurality of spaced-apart ladders adapted to convey the vegetables upwardly and rearwardly, an endless belt disposed substantially at right angles to said endless conveyor and adapted to receive vegetables therefrom, a slideway at the discharge end of said endless belt, a second slideway positioned beneath said first slideway, said first slideway having inclined interior walls for guiding the vegetables which fall therethrough into said second slideway, and a topper device in the path of said second slideway.

2,546,412
PLANTER MARKER
Charles H. White and William P. Oehler, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 11, 1946, Serial No. 640,530
27 Claims. (Cl. 97—230)

1. In a planter adapted to be connected to a tractor in towed relation, said planter having a pair of marker arms, the combination of means for raising both of said marker arms into an inoperative position, said means including a connection extending to each arm, latch means cooperating with said connections and movable into alternate positions for locking one or the



other of said arms against movement, and means responsive to the turning of the tractor relative to the planter beyond a given position for operating said latch means to shift the latter from one position to another.

2,546,413
KEY CONTAINER
John E. Williams, Chicago, Ill.
Application May 20, 1950, Serial No. 163,127
6 Claims. (Cl. 150—40)

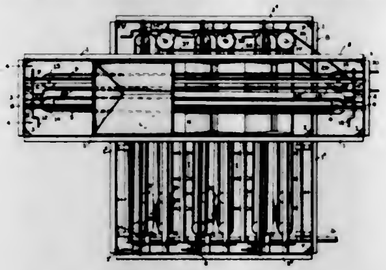


2. A key container comprising a flexible elongated body member, said member being twice reversely bent and folded upon itself with the adjacent edges of the folded portions secured together to form oppositely extending open-ended pockets, said pockets each being adapted to enclose keys, slots formed in the outer walls of the pockets and key moving members extending through the slots with key securing portions inside the pockets, shanks extending through the slots and finger contact portions externally of the slots.

2,546,414
APPARATUS FOR SHELLING SHRIMP
James Carl Abbott, Darien, Ga.
Application October 29, 1945, Serial No. 625,262
4 Claims. (Cl. 17—2)

1. A device for shelling shrimp, comprising two endless belts arranged with adjacent reaches adapted to travel in the same direction, said reaches positioned in planes angularly disposed with respect to each other both longitudinally of said reaches and transversely thereof, whereby said reaches constitute a moving trough with the bottom edges of the sides spaced apart a less distance than the top edges, and said bot-

tom edges inclined apart in the direction of travel of said reaches, with means located adjacent the bottom edges of the parallel pairs



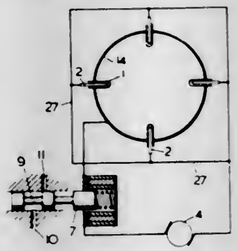
for directing opposed blasts of a fluid medium from opposite sides transversely of and below the bottom edges of said belt reaches.

2,546,415

CIRCUMFERENTIALLY ARRANGED TEMPERATURE DEVICE IN JET PIPE OF COMBUSTION TURBINE

John Forster Alcock, North Lancing, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company

Application December 2, 1946, Serial No. 713,431
In Great Britain December 3, 1945
1 Claim. (Cl. 60—41)



An electrical temperature control system for a gas turbine engine comprising a plurality of units each comprising a metal sheath, a metal core arranged within said sheath and held electrically insulated and spaced from the inner wall of said sheath so as to provide a space between said member and said wall having very small depth relatively to its longitudinal and lateral dimensions, and a fusible substance contained within said space, said substance being fusible at a temperature in the region of that to be controlled, and being a relatively poor conductor at normal atmospheric temperature while becoming a relatively good conductor at a temperature approaching its fusion temperature, the material of the casing being non-corrodible by the fusible substance, said units being arranged in a circumferential series within the jet pipe of said engine.

2,546,416

GOLF BAG JACKET

Winfield S. Alter and Hugh N. Bancroft, Tulsa, Okla.

Application December 2, 1947, Serial No. 789,304
3 Claims. (Cl. 150—1.5)

1. A device for supporting golf clubs within a golf bag having a horizontally disposed divider formed transversely on the open end, comprising a pair of elongated opposing foundation layers of flexible material hingedly joined together at the upper end of the bag and adapted to straddle the divider and extend downwardly into the bag, with the hinged ends seated on the divider, and



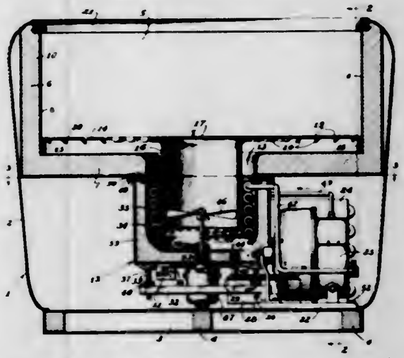
a series of pockets formed on the outer surfaces of the foundation layers and extending substantially the full length thereof for supporting golf clubs, and means for securing the foundation layers in place over the dividers and within the bag.

2,546,417

REFRIGERATING APPARATUS FOR BEVERAGE COOLERS

William E. Anglin, Dallas, Tex.

Application May 14, 1948, Serial No. 27,104
15 Claims. (Cl. 62—141)



1. In refrigerating apparatus of that type which includes a refrigerated chamber above a laterally accessible compartment for receiving a refrigerating unit, said refrigerated chamber having a bottom wall with an opening therethrough communicating with said compartment, a refrigerating unit for said refrigerated chamber housed in said compartment comprising a motor-compressor-condenser component and an evaporator coil component with refrigerant conduit connections between said components, said refrigerating unit being removable or replaceable as a unit laterally from or into said compartment without breaking said connections, said coil component including an annular coil and a closure for said opening beneath said coil and between said coil and said motor-compressor-condenser component, said coil being mounted on said closure, a tubular baffle of smaller cross-sectional dimensions than said opening having its lower end extending through said coil having its upper end opening in the refrigerated chamber and a pump within said baffle for recirculating fluid heat exchanging medium past said coil and through said refrigerated chamber, and means for raising said coil component independently of said motor-compressor-condenser component to bring said closure into sealing contact with said bottom wall peripherally about said opening whereby said coil is sealed within said refrigerated chamber while said motor-compressor-condenser component is excluded therefrom.

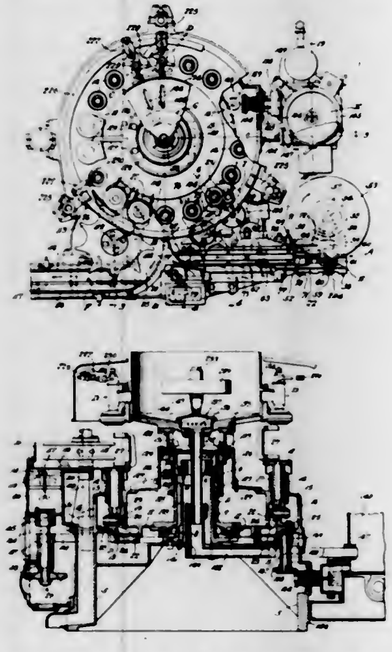
2,546,418

SIRUPING MACHINE AND METHOD FOR SIRUPING FILLED CONTAINERS

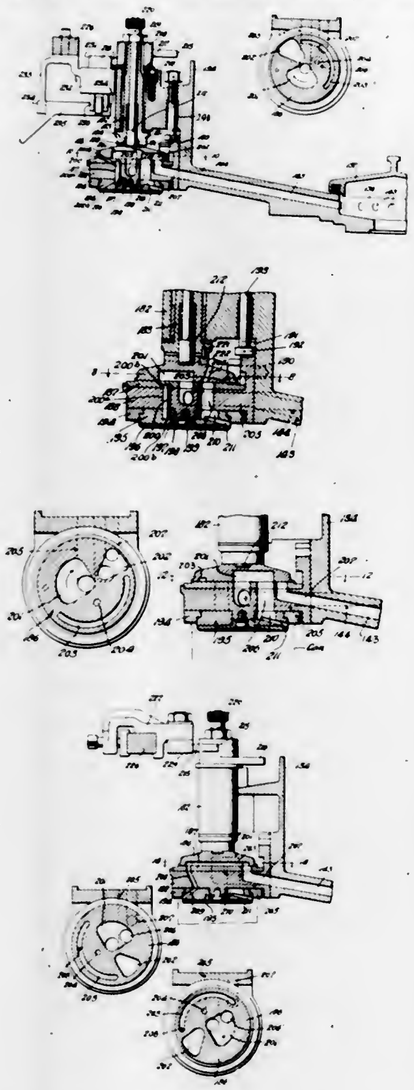
Gerald L. Ardron, Chicago, Ill., and Merton L. Dodge and Charles J. Chebuhar, Seattle, Wash., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 12, 1946, Serial No. 689,864
24 Claims. (Cl. 226—98)

1. A machine of the character described comprising, a continuously rotatable turret having a plurality of equidistantly spaced vertically reciprocable container supporting pads thereon, a vacuum duct, a reservoir tank rotatable with and about the axis of the turret and having filler units thereon disposed one over each said pad

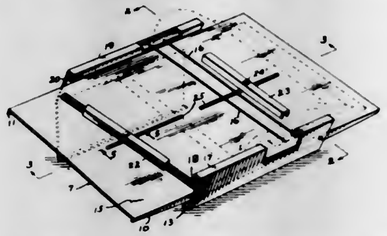


and each comprising a displacer head against which the containers are sealed by lifting of the pad and a rotary valve means equipped with cooperating porting and passages effective for controlling communication between said duct and the containers for the drawing of the vacuum in the containers, the flowing of liquid into said containers from said tank and the opening of the containers to atmosphere, means for imparting unidirectional indexing movements to the valves as the turret and tank are rotating to successively place them in four distinct positions the first of which is effective to open communication with a high vacuum source to rapidly evacuate a container, the second to close off said



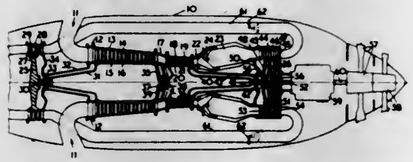
vacuum source and open communication to the tank to cause liquid to flow into the container by gravity action augmented by atmospheric pressure, the third to maintain the liquid flow communication and to open a restricted auxiliary vacuum communication to draw off residual air and completely fill the container and draw off surplus fill, and the fourth to cut off the auxiliary vacuum communication and open the container to atmosphere.

2,546,419
RACK FOR PUBLICATIONS
Harry K. Ashley, San Leandro, Calif.
Application January 18, 1946, Serial No. 642,012
5 Claims. (Cl. 129—1)



1. In a rack for publications, a support plate, mutually parallel return-bend members upstanding from opposite plate edges and providing free edges facing the top plate face in parallel spaced relation thereto, rods for mounting within publications along and adjacent the backs thereof and of a length to have their opposite ends simultaneously extended beneath said free edges of said members while engaged in the publications and when they are substantially perpendicular to the members, clamp bars engageable with and against opposite sides of a bunched assembly of publications mounted on the support plate, means securing the clamp bars on the plate for their release for translatory and swinging adjustments with respect to an assembly of rod-carrying publications on the plate, and cooperative means between the bars and plate for securing the bars in fixed positions on the plate for binding the assembly of publications between their mutually opposed sides.

2,546,420
INTERNAL-COMBUSTION TURBINE POWER PLANT
Richard Henry Howard Barr, Normanton, England., assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application March 27, 1945, Serial No. 585,166
In Great Britain March 28, 1944
6 Claims. (Cl. 60—41)



1. An internal combustion turbine aircraft power plant of the compound type operating on the constant pressure cycle, comprising combustion chamber means in which fuel is burnt continuously, low and high pressure compressors arranged coaxially to the rear of the combustion chamber means (considered in relation to the direction of flight) and through which air passes in series to said combustion chamber means, mechanically independent high and low pressure turbines through which the products of combustion from said combustion chamber means are expanded in series so as to drive said turbine rotors, said high pressure turbine having independently rotatable rotor elements, one element of the high pressure turbine and the low pressure turbine being operatively connected to the high and low pressure compressor rotors respectively so as to drive them, and the other independently rotatable element of the high pressure turbine having a forwardly extending propeller driving shaft drivably connected thereto.

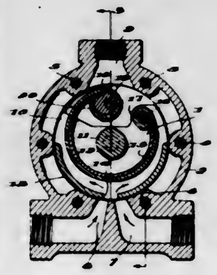
2,546,421
WEAR INHIBITORS FOR IRON CARBONYL
Earl Bartholomew, Birmingham, Mich., and Howard Clinton Cross, Columbus, Ohio, assignors, by direct and mesne assignments, to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1949, Serial No. 108,852
6 Claims. (Cl. 252—386)

1. An antiknock mixture consisting essentially of iron pentacarbonyl and a wear inhibitor in an amount sufficient to reduce wear in engine parts due to iron pentacarbonyl, said wear inhibitor consisting essentially of at least one gasoline soluble organic metallic compound having the formula R_xM where R is an organic radical having a molecular weight between about 75 and 250, x is a numeral from 2 to 4 inclusive, and M is a metal whose oxide has a scratch hardness of not more than 6.

2,546,422
ORGANIC PHOSPHATES AS WEAR INHIBITORS FOR IRON CARBONYL
Howard Clinton Cross, Columbus, Ohio, assignor, by mesne assignments, to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1949, Serial No. 108,854
2 Claims. (Cl. 252—386)

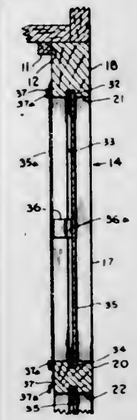
1. An antiknock mixture consisting essentially of iron carbonyl and a wear inhibitor in an amount sufficient to reduce wear and deposits on engine parts caused by iron pentacarbonyl, said wear inhibitor consisting essentially of from 0.05 to 0.25 gram of phosphorus in the form of an organic phosphate to 1 cubic centimeter of iron pentacarbonyl, said organic phosphate being soluble in gasoline and having the general formula R_3PO_4 in which R is selected from the class consisting of alkyl, aryl, and alkenyl.

2,546,423
ROTARY MIXING VALVE
Elmer C. Bentsen, Mission, Tex.
Application September 7, 1948, Serial No. 47,957
3 Claims. (Cl. 236—12)



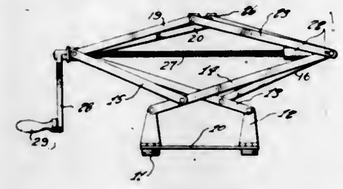
3. A thermostatically controlled fluid mixing valve comprising a casing having a fluid mixing chamber formed therein, an arcuate valve seat fixedly disposed within said chamber and having relatively arcuately aligned fluid inlet ports opening therethrough into said chamber, a valve rotor mounted in said chamber for rotary movement about the axis of curvature of said valve seat and comprising an arcuate valve plate in close concentric relation to said valve seat, said plate having an inlet aperture therethrough normally in partial registry with both of said inlet ports, in combination with a thermostat disposed in said chamber and pivotally connected to said valve casing and said rotor respectively at locations eccentric to the rotational axis of said rotor, said thermostat being expandible and contractible in a linear direction between its said respective connections responsive to temperature variations, said connection between the thermostat and valve casing comprising a cam cylinder mounted in said casing for rotation about an axis parallel and eccentric to said rotor, one end of said thermostat being rotatably journalled about said cylinder, whereby rotary movement of said cylinder will vary the bodily circumferential location thereof relative to said rotational axis of the valve rotor, and means operable from the exterior of the casing for rotatably adjusting said cylinder.

2,546,424
AUXILIARY WINDOW
Benjamin J. Blackmore, Cuyahoga Falls, Ohio
Application March 13, 1945, Serial No. 582,455
5 Claims. (Cl. 160—92)



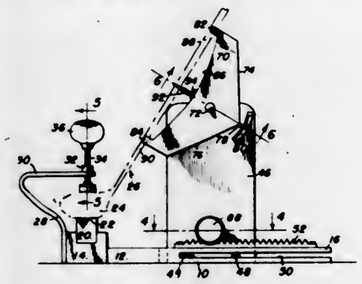
4. The combination with a window frame having an inwardly presented blind seat, of a window received in said blind seat and hinged at one side to said window frame, said window having stiles and vertically spaced rails providing a plurality of vertically spaced openings, said stiles and rails having guide slots around the inner edges thereof in said openings for receiving closure panels therein, the guide slots of the stile at the free side of the window being extended through the stile, closure panels removably and interchangeably receivable in said guide slots through said extended slots, parallel guide strips secured to said window adjacent the top and bottom edges of said vertically spaced openings, said guide strips being open ended at least at the free side of said window, and closure panels slidably receivable between said parallel guide strips from the open ends thereof and being interchangeable with the closure panels receivable in said guide slots.

2,546,425
SCISSOR-TYPE BUMPER JACK
Edward E. Broeker, North Tonawanda, N. Y.
Application January 18, 1949, Serial No. 71,409
1 Claim. (Cl. 254—126)



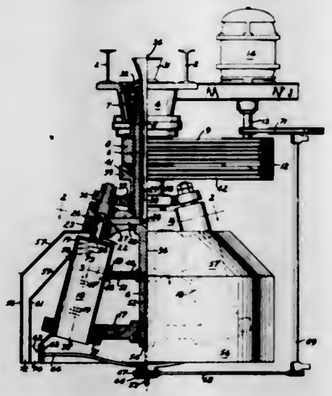
A scissors jack comprising a base member, a cradle top member, a linkage connecting said members, a screw shaft, a pair of laterally spaced cross elements disposed on said screw shaft and one of said cross elements being adapted to be moved in axial direction on said shaft upon rotation thereof, said linkage comprising a lower pair of first links having their lower ends pivoted to said base member and crossing each other, upper ends of said first links pivoted to said cross elements, and a pair of second links each pivoted at its lower end to an intermediate portion of one of said crossed first links and pivoted at its upper end to a cross element adjacent the upper end of the other of said crossed first links, and said linkage comprising additionally two pairs of upper links, each link of said last mentioned pairs of upper links pivoted to the corresponding cross element at their lower ends, and to spaced apart points of said cradle top member at their upper ends, said last mentioned pairs of links having longitudinal slots at their lower ends, thereby moving the pivot points in order to retain the screw shaft in substantially horizontal position, and a crank disposed at one end of said screw shaft for operation thereof.

2,546,426
GOLF CLUB INDICATOR
Albert H. Bryant, Floyds Knobs, Ind.
Application June 27, 1949, Serial No. 101,630
10 Claims. (Cl. 33—174)



1. A golf club indicator comprising a base member, a footing mounted on said base member, means carried by said base member for clamping the head of a golf club against the footing and including a vertically adjustable member overlying the footing, a carriage movable on said base member, gripping means carried by said carriage for engaging and holding the shank and handle of a golf club and indicating means mounted on the carriage for determining the angle between the head and the shank of a golf club.

2,546,427
CONTINUOUS SEPARATOR
Arthur C. Bullen, San Francisco, Calif.
Application February 5, 1947, Serial No. 726,685
4 Claims. (Cl. 210—67)



2. A continuous separator comprising a central shaft, an upper and lower spider fixed on the central shaft, a plurality of apertured drums, each drum having an open lower end journaled in the lower spider for rotation about an axis inclined to the central shaft axis, a stub shaft extending axially from the upper end of each drum and journaled in the upper spider, said stub shaft having a passage opening into the drum, a passage in the central shaft, passages in the upper spider connecting the central shaft passage with the passage in the stub shaft, an intermediate spider fixed on the central shaft and extending to a running fit against the side of each drum, a chamber in the face of the intermediate spider against which the drum lies, a passage extending from each chamber through the intermediate spider and into the central shaft, a passage in the central shaft for supplying water to each of the intermediate spider passages, means for rotating the central shaft, and means for rotating the drums.

2,546,428
METHOD OF KEEPING THE MEAT OF SHELLFISH IN A FRESH CONDITION
George Clifford Byrd, Crisfield, Md.
No Drawing. Application February 21, 1950, Serial No. 145,584
7 Claims. (Cl. 99—195)

1. The method of treating the meat of fresh shellfish to keep the same in a fresh condition for varying periods of time, consisting in packing the meat in a suitable container sealed with a minimum of oxygen present therein, heating the contents of the container at a temperature range from 171° F. to a higher point below the boiling point of water without sterilization of the contents of the container, cooling the container, and then subjecting the container to refrigeration until consumed.

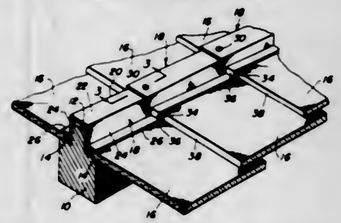
2,546,429
ELECTRIFIED GATE
Jay R. Carr, White River, S. Dak.
Application November 7, 1945, Serial No. 627,158
1 Claim. (Cl. 256—10)

An electrified cattle guard comprising a pair of bars of electrically non-conductive material anchored in opposing parallel relation at the sides of a roadbed, opposing pairs of coiled springs mounted on said bars, a plurality of metal wires stretched between and conductively connected to opposing pairs of said springs and extending transversely of the roadbed above the



level thereof, and a suitable source of electricity connected to said springs on one of said bars and grounded so that an animal on the roadbed touching any one of said wires will complete the electrical circuit through a portion of the animal's body.

2,546,430
GLASS RETAINER
Leo M. Cook, Hartford, Ill.
Application July 16, 1948, Serial No. 38,971
1 Claim. (Cl. 108—16)

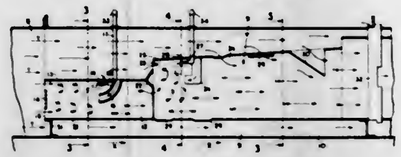


In combination with an inclined rafter having a raised center portion and a pair of longitudinally extending shoulders at the opposite sides thereof, and sets of panels resting on said shoulders with the lower edge portion of each panel overlapping the upper edge portion of a next panel, panel retaining means comprising a row of inverted channels positioned on the raised portion of said rafter with the lower end portion of each channel overlapping the upper end portion of a next channel, outturned flanges provided at the lower edge of said channels and engaging upper surfaces of the respective panels at opposite sides of the rafter, upturned lugs provided at upper ends of said flanges and abutting lower edges of said panels, downturned lugs provided at lower ends of the flanges of each channel and disposed in overlapping abutment with the upturned lugs on the flanges of the next underlying channel, and fastening elements extending through said channels into the raised portion of said rafter for securing the same thereto.

2,546,431
PRODUCTION OF VINYL ALLYL ETHER
Georges Collardeau and Maurice Louis Auguste Fluchaire, Lyon, France, assignors to Societe des Usines Chimiques, Rhone-Poulenc, Paris, France, a French body corporate
No Drawing. Application June 10, 1949, Serial No. 98,388. In France June 15, 1948
6 Claims. (Cl. 260—614)

1. A process for the production of vinyl allyl ether which comprises reacting acetylene under pressure with allyl alcohol and potassium allylate, the allylate constituting between 20 and 40% by weight of the combined weight of allyl alcohol and potassium allylate, at a temperature between 70° C. and 100° C. and continuing the reaction until absorption of acetylene has ceased.

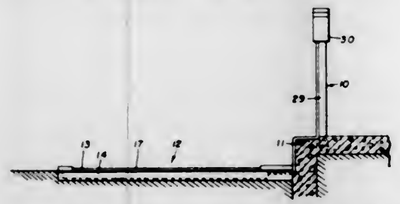
2,546,432
APPARATUS FOR DEFLECTING A FUEL JET TOWARDS A REGION OF TURBULENCE IN A PROPULSIVE GASEOUS STREAM
Robert Francis Darling, Leicester, England, assignor to Power Jets (Research & Development) Limited, London, England
Application November 8, 1945, Serial No. 627,388
In Great Britain March 20, 1944
24 Claims. (Cl. 60—41)



11. Combustion apparatus for a propulsive gaseous stream comprising means for creating a region of turbulence in said stream, means for injecting liquid fuel in the form of at least one jet upstream into said stream and means adapted to deflect the liquid fuel jet from its normal path and towards said turbulent region.

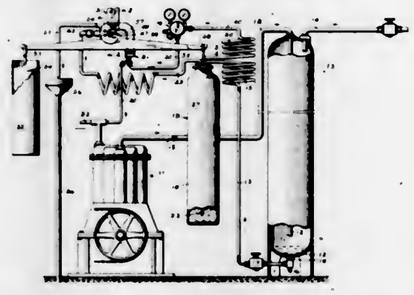
22. Combustion apparatus for a gaseous stream comprising a duct for carrying said stream, baffle means within said duct for creating a turbulent region in said stream, and means to inject a jet of fuel upstream within the duct, said duct having an entry for the admission of a gaseous current in a direction transverse to said jet to deflect at least some of the fuel in said jet towards said turbulent region.

2,546,433
PARKING METER SYSTEM
Robert T. Dick, Houston, Tex., assignor, by direct and mesne assignments, of two-thirds to Fisher C. Burum, Houston, Tex., and one-third to George B. Lindler, Harris County, Tex.
Application June 30, 1947, Serial No. 758,048
2 Claims. (Cl. 161—15)



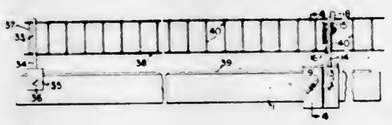
1. A parking meter system including a parking meter with a head enclosing a clockwork mechanism, and a clockwork operated meter release and resetting lever, comprising an elongated cylindrical box arranged transversely with respect to the parking space at and below street level, having a slotted upper portion, running along the cylindrical box in parallelism to the axis of the said cylindrical box, flanges on said box on both sides of the slotted portion, said flanges being parallel to the axis of the cylindrical box and arranged substantially at ground level, an elongated elastic cylindrical hose fitting into the cylindrical box and closed at its outer and inner end, said hose being filled with a non-elastic fluid, the uppermost portion of said hose projecting between and slightly above the aforesaid flanges and being exposed along a substantially linear strip through the said slot between said flanges, a fluid pipe in communication with the fluid filled interior of the elastic hose, leading into the parking meter head, a piston at the end of said pipe, a release member for operating the meter resetting lever mechanically and independently from the clockwork mechanism and a mechanical motion transmitting connection between said release member and said piston.

2,546,434
AUTOMATIC LIQUID DRAIN
Roscoe E. Farnsworth, Oakland, Calif.
Application October 9, 1945, Serial No. 621,325
8 Claims. (Cl. 183—39)



1. In combination with a vessel in a flow line for compressed gas and in which liquid carried by the gas may be deposited, a discharge pipe for the deposited liquid, a liquid-discharge valve for said pipe, a liquid trap interposed in said pipe between its discharge valve and the vessel to receive the liquid, means supporting said trap for its lowering displacement as a unit when the trap contains more than a predetermined weight of the liquid, and means utilizing the position of the trap to so control said liquid-discharge valve that the weight of liquid in the trap is automatically held to a predetermined value.

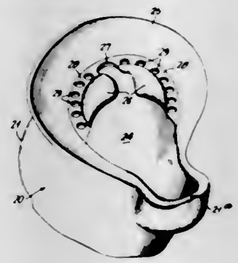
2,546,435
STRAP CUTTING MEANS FOR VENETIAN BLINDS
Joseph J. Fine, Dorchester, Mass.
Application May 17, 1947, Serial No. 748,791
4 Claims. (Cl. 164—41)



1. Means for cutting Venetian blind straps to the desired lengths, comprising a pair of plates having width dimensions approximately the length of the cross strips between the side straps of the Venetian blinds, means for spacing said plates apart a measured distance in substantially parallel relation to each other, whereby the cross strips may lie on the outer faces of the plates at either end of the measured distance,

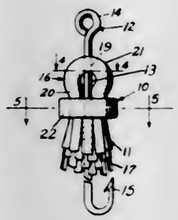
shearing means cooperating with one of said plates including shearing elements operative on the top and bottom edges of said last mentioned plate at different sides thereof.

2,546,436
ORTHOPEDIC APPARATUS
Warren D. Fowler, Red Bank, N. J.
Application November 8, 1948, Serial No. 58,898
6 Claims. (Cl. 128—79)



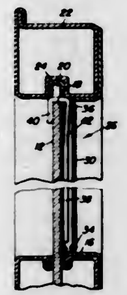
1. Means for treating genital parts of the male anatomy, comprising a cup-like member designed for hermetically sealed application to the body to conceal the genital parts, said cup member including a vacuum chamber terminating at its open end in an outwardly flared periphery, means for applying suction to said chamber to exhaust air therefrom to induce the confined genital part to descend into the chamber, means for controlling the degree of suction exerted upon said chamber, and spaced apertures on said outwardly flared cup periphery to facilitate adherence of the cup to the body without external support when the suction is applied.

2,546,437
CASTING LURE
William M. Gambill, Abilene, Tex.
Application November 19, 1946, Serial No. 710,807
2 Claims. (Cl. 43—42.28)



2. In a fish lure having a hook formed with a shank and a barb; a tail section for concealing the hook comprising a U-shaped flexible center skirt portion being in the form of a roll, a plurality of longitudinally waved elongated streamers extending from each of the opposite ends of said rolled skirt portion, an opening formed through the bight of said skirt portion adapted to receive the hook shank therein with said opposite ends extending in the direction of the barb, and a resilient member engaging about said opposite ends and the shank for securing said streamers in hook concealing position.

2,546,438
AUTOMOBILE WINDOW SUNSHADE
John F. Grabill, Flora, Ill.
Application February 2, 1949, Serial No. 74,113
1 Claim. (Cl. 160—327)



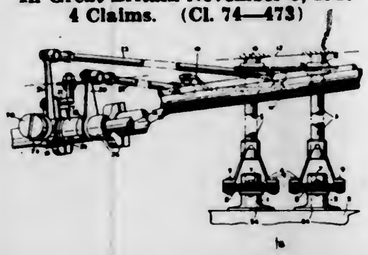
In an automotive vehicle having a side window, a sunshade comprising a substantially rectangular sheet of textile material, vertically extending sleeves adjacent the vertical edges of said sheet, and bars received in said sleeves having hook members at their upper ends for removably engaging the top edge of the side window, said hook members being inclined outwardly from said bars whereby the bars urge the sheet into frictional engagement with the window.

2,546,439
KNOCKDOWN TABLE OR STOOL
Leon Green, Los Angeles, Calif.
Application July 26, 1946, Serial No. 686,393
2 Claims. (Cl. 311—35)



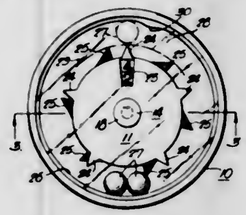
1. A collapsible supporting device such as a stool or table which includes: a relatively thin generally circular supporting element; a relatively thin generally circular reinforcing member connected to the under surface of said supporting element, said reinforcing member having a smaller diameter than said supporting element and being centered with respect thereto, thereby providing an annular margin of said supporting member without substantial reinforcement; a plurality of outwardly and downwardly extending socket members on the under surface of said reinforcing member near the edge thereof, said socket members being open at their lower ends and provided with holding means; and a plurality of rigid leg members each mounted in one of said socket means and releasably engaging the holding means thereof, whereby said leg members may selectively be placed in said socket members to form said supporting device, or removed therefrom to collapse said device.

2,546,440
REMOTE CONTROL MECHANISM OF CHANGE-SPEED GEARING OF A MOTOR VEHICLE
Edward G. Grinham and Walter Raymond Turner, Coventry, England, assignors to The Standard Motor Company Limited, Coventry, England
Application March 5, 1948, Serial No. 13,294
In Great Britain November 5, 1947
4 Claims. (Cl. 74—473)



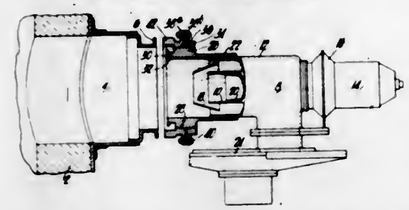
1. Remote control means, for an automobile change-speed mechanism having two double-acting striking forks, including two angularly-movable shafts journalled in the casing of said change-speed mechanism and connected to actuate said striking forks respectively, two angularly-movable shafts universally mounted to be substantially aligned with those first-mentioned, flexible couplings respectively joining together each pair of aligned shafts, angularly-movable axially-fast driven dog members, means to respectively connect said driven dog members to said second-mentioned two shafts, an angularly and axially movable driving dog member coacting with either of said driven dog members to respectively engage therewith in its extreme axial positions whilst leaving the other free, said driving dog member arranged relatively to said driven dog members to be axially movable only when both said driven dog members are in the neutral positions, and means providing an interlock between said striking forks whereby when one is not in the neutral position the other is held in the neutral position.

2,546,441
ROTATING DISK GAME
Eugene Y. Guthmann, Philadelphia, Pa.
Application April 4, 1947, Serial No. 739,269
6 Claims. (Cl. 273—142)



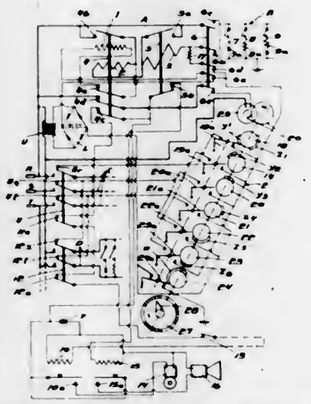
1. In game apparatus, a casing enclosing a generally cylindrical chamber, a propelling element movable in the chamber in a circular path concentric with the cylindrical axis of said chamber, and a rotatable index element having a radially projecting finger and mounted in the chamber for rotation about an axis offset from the said cylinder axis so that the circular path of said finger will intersect the circular path of the propelling element at one side of the casing and will lie remote to said path on the opposite side of the casing.

2,546,442
CONNECTING SLEEVE FOR BURNERS AND HOT-BLAST STOVES
Charles M. Guy, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application May 5, 1948, Serial No. 25,128
1 Claim. (Cl. 158—109)



In a retractible burner for a hot blast stove port, a sleeve on said burner for connecting it to said port and means on said sleeve for compensating for misalignment of said burner and said port, said means comprising a raised circumferential ring on said sleeve near the outer end thereof, said ring having a convex outer surface, an outer ring disposed around said first-mentioned ring having a concave inner surface engaging said convex surface, said outer ring having a flange adapted to engage said port, the outer end portion of said sleeve being enlarged and having a circumferential groove intermediate its outer end and the ring thereon, said groove permitting relative movement between said outer ring and said inner ring, the end of said sleeve being adapted to engage the inside of the flange on said outer ring to hold same in position when said sleeve is retracted from said port.

2,546,443
INSULATION AND LOAD SUPERVISORY SYSTEM
Folke Bror Lorens Hain, Angelholm, Sweden
Application March 21, 1949, Serial No. 82,629
In Sweden March 22, 1948
5 Claims. (Cl. 177—311)



1. An electromagnetic relay system for supervising the insulation of an electrical installation, comprising a relay, said relay including at least

two windings connected in series to a load circuit of the installation and an armature actuated by both of said windings, means for applying a supervising voltage through said windings to said load circuit at least at no-load conditions of the load circuit, the number of turns and the resistance of one of said windings being such as to enable it to attract the armature, on the occurrence of a slight flow of current through the said two windings caused by the said supervising voltage in the presence of a small insulation fault in the load circuit, means associated with said armature for applying a normal supply voltage through only the other of said windings to the load circuit, the number of turns and the resistance of said other winding being such as to enable it, although incapable of maintaining the armature attracted when energized by a current caused by the normal supply voltage in the presence of a small insulation fault in the load circuit, to do that when energized by a current caused by said supply voltage with the minimum normal load switched on in the load circuit, and means controlled by said armature for producing warning signals in response to operation of said relay under said supervising voltage.

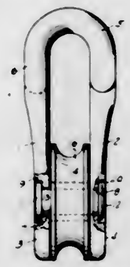
2,546,444
STOCKING
Frederick L. Hall, Snow Shoe, Pa.
Application June 8, 1949, Serial No. 97,807
6 Claims. (Cl. 66—182)



1. A stocking having a heel and toe reinforcement symmetrical with respect to the fore-and-aft plane of the stocking, and a luminescent strip outlining said reinforcement.

2,546,445
SIDE BLOCK
Henry K. Halvorsen and Henry K. Halvorsen, Jr., Sutherlin, Oreg.
Application August 27, 1949, Serial No. 112,705
1 Claim. (Cl. 254—193)

A side block comprising in combination a pair of spaced apart cheek plates of substantially circular formation, a hook shank formed integral with each of said cheek plates extending outwardly therefrom and turned back on itself to form one-half of a shackle, said turned back portion of each of said shanks being substantially semi-circular in cross-section to form a complete circle in cross-section when said halves are brought together, each of said cheek plates having aligned openings therein to form a bearing, a counterbore surrounding each of said openings, a bearing pin extending through said aligned openings and formed with a head at each of its ends disposed within said counterbores, one of said heads being attached to one of said cheek plates, a bearing sleeve mounted upon and surrounding said bearing pin, a sheave rotatably mounted upon said bearing sleeve and occupying the space between said cheek plates and of a diameter equal to the diameter of said cheek plates, said bearing pin having a central bore extending substantially throughout its length and



a plurality of radiating ducts extending from said bore to distribute a lubricant to the interior of said bearing sleeve, and said bearing sleeve having a plurality of lubricant retaining openings formed therein for supplying lubricant to said sheave.

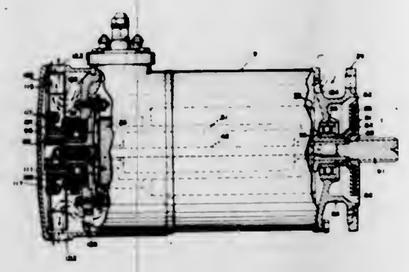
2,546,446
PRODUCTION OF RUBBER PRODUCTS
Lynn Harbison, Akron, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 18, 1948, Serial No. 55,241
17 Claims. (Cl. 260—780)

1. In the process of making rubber products wherein the rubber mix, containing an organic accelerator of vulcanization, sulfur and a furnace carbon black having a pH of from 8.6 to 10.5, is preformed and vulcanized, that improvement which comprises adding to said rubber mix from 0.7 to 2.5 parts per 100 parts of rubber of a mixture of chlorinated paraffin hydrocarbons containing from 40 to 72 weight per cent combined chlorine and having from 20 to 28 carbon atoms per molecule.

2,546,447
ART OF DRAWING FINE STEEL WIRE
Arch W. Harris, Euclid, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application May 15, 1945, Serial No. 593,973
1 Claim. (Cl. 148—12.1)

In the art of drawing fine steel wire which has a bright surface free of visible copper, the improved method which comprises applying a cupreous coating on clean wire drawing stock in an amount from about 1.5 to about 2.5 grams of coating material per kilogram of stock, dry drawing the coated stock and thus forming process wire of a size suitable for further reduction in a continuous fine wire drawing machine, bright annealing the cupreous coated process wire and thereby both conditioning the wire for further drawing and diffusing some of the cupreous coating into the wire surface, introducing the annealed wire in a dry state without cleaning to a continuous fine wire drawing machine, and wet drawing the wire in said machine and thereby both reducing the wire to final gauge and removing all the visible cupreous coating, the surface of the resulting wire consisting entirely of a layer of diffused copper-iron alloy.

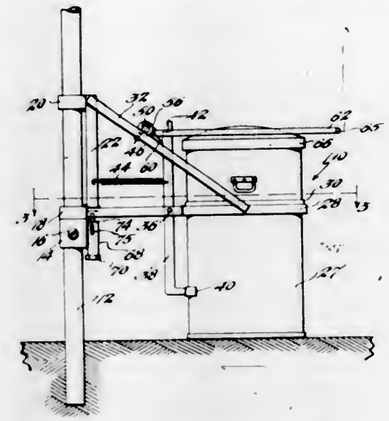
2,546,448
GENERATOR
Howard L. Hayden, Emerson, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 18, 1949, Serial No. 110,992
4 Claims. (Cl. 171—252)



1. In a generator of a type including a housing, a rotor rigidly mounted on a tubular member, end bearings for said tubular member and supporting said rotor in said housing, a resilient drive shaft extending longitudinally in said tube and in spaced relation thereto, one end of said shaft being drivingly connected to one end of said tubular member, and the other end of said shaft extending from the other end of said tubular member for an external driving connection, a main friction coupling including first and second discs, means drivingly connecting the first disc to said shaft adjacent the other end of said tubular member, other means drivingly connecting the second disc to said tubular member at the other end of said tubular member, and spring means biasing the first of said discs toward the second disc so as to maintain a frictional driving relation between said discs; the improvement comprising fan blades cooperating with openings in said housing for circulating air through the housing, an auxiliary friction coupling drivingly connecting said fan blades to said tubular member and permitting slippage of said fan blades relative to said tubular member upon a load in excess of a predetermined value being applied to said fan blades so as to prevent damage to the resilient drive shaft and the application of the excessive load to the main friction coupling.

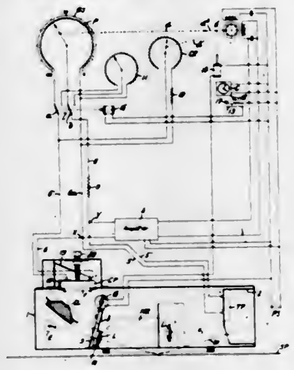
2,546,449
GARBAGE CAN AND RACK
John B. Herdy, San Antonio, Tex.
Application November 8, 1946, Serial No. 708,736
9 Claims. (Cl. 248—147)

2. A refuse receiving apparatus comprising an anchoring post having a bearing thereon, an upper and lower collar journaled on said post, said lower collar being seated on said bearing, means for maintaining said collars in fixed spaced relation, a link secured to said lower collar, a bracket secured to said link for engaging the side of a refuse receptacle, a pair of spaced arms secured to said upper collar and to said bracket, a latch pivotally secured to said link, means for raising and lowering a refuse receptacle cover pivoted between said arms, and means associated with said raising and lowering



means and said latch for maintaining said raising and lowering means in a predetermined position.

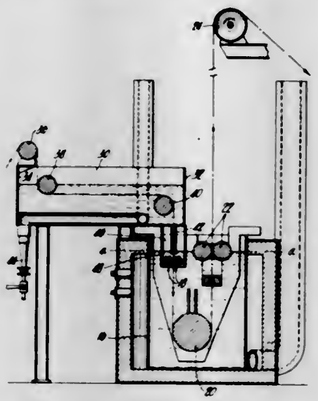
2,546,450
PHOTOMETRIC COMPARATOR INSTRUMENT
Richard S. Hunter, Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md., a corporation of the District of Columbia
Application February 23, 1949, Serial No. 77,887
12 Claims. (Cl. 88—14)



1. In a photoelectric comparator instrument, the combination of a light source, a comparison photocell illuminated by said light source, a test photocell illuminated from said light source by a measuring beam of rays reaching said test photocell from a specimen under test, a measuring circuit including a measuring potentiometer having a contact movable to balance the current output of the test photocell by a fraction of the current output of the comparison photocell, a graduated scale of an optical value along which a pointer moves in accordance with the adjustment of the movable contact of the measuring potentiometer, an adjustable calibrating resistance shunted across said comparison photocell, and means for adjusting the light energy incident upon the comparison photocell to bring the pointer to the

known optical value of a standard specimen from which a beam of rays reaches the test photocell when the measuring potentiometer is adjusted for a balance at a preselected setting of the calibrating resistance.

2,546,451
METHOD OF GALVANIZING
Michael C. King, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application August 28, 1947, Serial No. 771,066
2 Claims. (Cl. 117—52)



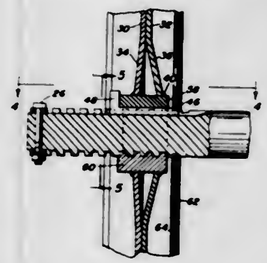
1. A method of producing a galvanized ferrous metal body by immersing said body in a bath of molten zinc comprising passing said body through a bath of palm oil and then into and through a molten zinc bath, said palm oil bath being disposed a substantial distance above the molten zinc bath, said palm oil bath being connected to the zinc bath by a narrow spout-like column of palm oil extending downwardly from said palm oil bath onto said molten zinc bath, the thickness of said column being very little in excess of the thickness of the article passed therethrough.

2,546,452
TELESCOPING DRUM
Valius Valentinas Kmieliauskas, Montreal, Quebec, Canada
Application April 30, 1949, Serial No. 90,749
1 Claim. (Cl. 84—412)



A telescoping drum comprising drum parts adapted to telescope into one another, flange portions on the drum parts adapted to cooperate with one another to prevent the outward movement of the drum parts after they have been extended to the desired positions, flange portions on an inner part extending radially outwardly and downwardly and upwardly, the flange portion on an outer part extending radially inwardly and upwardly to engage with the flange of the other part in a hook-like fashion, latch elements disposed about the drum parts and adapted to engage with the inwardly extending flange portion of the outer part to hold the same elevated within the flange portion of the inner part, drum diaphragms disposed at the outer ends of the parts on the ends, means for securing these drum diaphragms to the parts, said latch elements being pivoted to the respective parts, an inwardly struck projection on the part adjacent the latch, a spring disposed between the latch element and the projection, the flange portion of an inner part being cut away whereby to permit the passage of a struck projection of another part as the parts telescope upon each other.

2,546,453
ADJUSTABLE TRACTOR WHEEL MEANS
Adolph Koenig, Montpelier, N. Dak.
Application June 9, 1947, Serial No. 753,522
4 Claims. (Cl. 287—52.05)



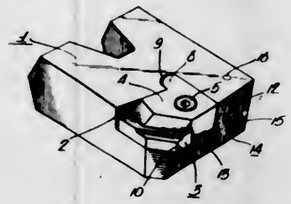
3. Tractor wheel mounting means comprising a terminally screw threaded axle, a wheel having a correspondingly threaded hub, registering keyways in said axle and hub, a key removably inserted in said keyways and removable stop means on the end of said axle to prevent the wheel from being inadvertently driven off said axle.

2,546,454
AUTOMATIC SAFETY SWITCH LOCKING MECHANISM
Edward J. Kromholz, Rockford, Ill.
Application August 20, 1948, Serial No. 45,227
10 Claims. (Cl. 246—160)



2. In a railway switch lock, the combination of a stationary support, a pair of locking dogs pivoted thereon in spaced relation to swing toward one another to locking position, a keeper bar connected to be movable with the throw-bar of a railway switch and reciprocable between said dogs, said keeper bar having V-notches provided in opposite sides thereof in longitudinally spaced relation positioned for engagement by V-teeth on said dogs in locked position when the switch is in open and in closed position, respectively, the V-teeth having wedging engagement in the V-notches when the dogs are in locked position but permitting free movement of the keeper-bar relative to the teeth when the dogs are released, and an operator for said dogs reciprocable relative thereto so as to force the dogs toward locked position with a cam action.

2,546,455
CUTTING TOOL
Anthony F. Labrossi and Elmer M. Twelves, Philadelphia, Pa., assignors to Carey-McFall Co., Philadelphia, Pa., a corporation of Pennsylvania
Application October 6, 1947, Serial No. 778,258
4 Claims. (Cl. 29—97)



1. A cutting tool comprising a body member, a burr element mounted in the body member with its outer end projecting slightly beyond a face of the body member, a spring providing a yieldable seat for the burr element, and a member adjustable at will to vary the force exerted by the spring upon the burr element.

2,546,456
PROCESS FOR TREATING RICE
Richard W. Landon and Paul Talmey, Chicago, Ill., and Gregoire Gutzeit, East Chicago, Ind., assignors, by mesne assignments, to Milton Yonan-Malek, Washington, D. C.
No Drawing. Application December 9, 1948, Serial No. 64,422
2 Claims. (Cl. 99—80)

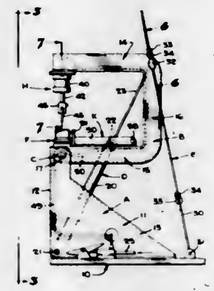
1. The method of preparing paddy rice for milling to produce a high yield of light colored nutrient enriched whole kernels for human consumption which comprises: soaking the paddy in an excess of water at approximately 125° F. for eleven hours at atmospheric pressure to cause it to absorb from 20 to 30% moisture on a wet basis; removing the paddy from the soaking water and removing the entrained water therefrom; steaming the paddy under pressure and at a temperature of approximately 235° F. to gelatinize the starch therein substantially without increase in the water content thereof; and drying the steamed paddy down to a moisture content of from 11 to 15% on a wet basis.

2,546,457
FASTENER FOR A TOOTH CAP OR THE LIKE
Ernie L. Launder, Montebello, and Chester C. Hosmer, Long Beach, Calif.
Application August 21, 1946, Serial No. 691,975
2 Claims. (Cl. 37—142)



1. In an excavating tooth, a shank with a cavity in a face thereof and a cap engaged over the shank and overlying said face, there being an opening in the cap registering with said cavity, a fastener confined to the cavity for projection into said opening to connect said shank and cap and including, a rigid body carried in the cavity and having a face flush with said face of the shank, a dog rigid on the face of the rigid body and projecting into the opening, and a resilient pad beneath the body and forming the sole support therefor, the body and pad completely occupying the cavity.

2,546,458
WORK HOLDER FOR USE IN WELDING
Ernie L. Launder, Montebello, Calif., assignor to H. and L. Tooth Company, Los Angeles, Calif., a corporation of California
Application November 14, 1947, Serial No. 785,884
2 Claims. (Cl. 29—288)



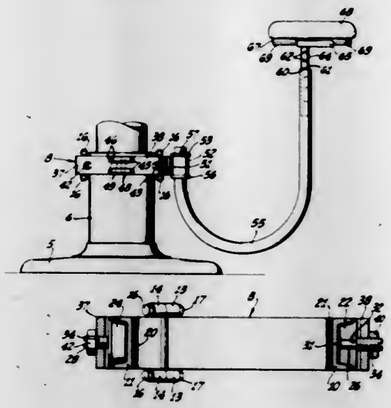
2. A work holding machine including, a stationary base, a C-shaped frame with spaced upper and lower arms, means pivotally connecting the outer end of the lower arm of the frame to the base on a horizontal axis extending transverse of the machine with the frame opening toward the front of the machine, a fluid pressure actuated cylinder and piston mechanism pivotally connected to the base and to the frame and operable to rock the frame between an up position where the lower arm is substantially horizontal and a down position where the lower arm extends downwardly and rearwardly, stop means limiting pivotal movement of the frame, a work rest having a work receiving face opposing the upper arm of the frame, means pivotally mounting the rest on the forward end portion of said lower arm between the arms and on an axis substantially normal to the said horizontal axis, a work positioning element pivotally mounted on the frame and movable to a working position where it holds the rest against rotation in a predetermined position, a work retainer engageable with work located on the rest, and power means supporting the retainer on the upper arm to reciprocate relative to the rest and pivot about an axis coincidental with that of the rest, the work positioning element being movable to a retracted position where it is clear of the rest and is related to the retainer so the rest is free to rotate and having stops engaging the work rest and stops in predetermined positions relative to the first mentioned stops and engageable by work on the rest when the rest is held by said element, the pivotal axis of the positioning element being located in a plane substantially coincidental with that of said face and being spaced a substantial distance from the pivotal axis of the rest, the work retainer having a head extending transversely of the axis of the retainer and rest and having spaced work engaging elements projecting from the head and toward the rest.

2,546,459
AUTOMOBILE TRAY FOR INSTRUMENT PANELS
O. Z. Lee, Frederick, Okla.
Application February 17, 1950, Serial No. 144,726
6 Claims. (Cl. 311—21)



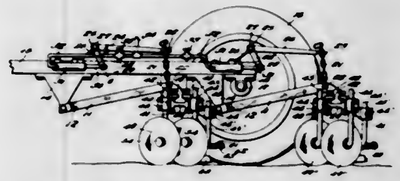
3. An automobile tray unit comprising a base plate having opposed bracket members secured to opposite sides thereof, said bracket members having forwardly projecting overhanging arms having securing means thereon for attachment of the plate to the instrument panel of an automobile, a pair of opposed channel members fixed on opposite sides of said plate and a pair of opposed connected channel members movably housed within said fixed channel members, and a tray member having anti-friction rollers mounted on its opposite sides and disposed within said movable channel members for movement relative thereto, whereby said tray and said movable channel members are independently and conjointly rollable and slidable within and relative to said fixed channel members to superpose said tray over said base plate in retracted position beneath the car instrument panel or to project the tray outwardly from said plate in extended operative position.

2,546,460
ADJUSTABLE SEAT REST
John C. Leeds, Sherman Oaks, Calif., assignor of one-half to John O. Davis, Los Angeles, Calif.
Application March 9, 1948, Serial No. 13,901
5 Claims. (Cl. 155—81)



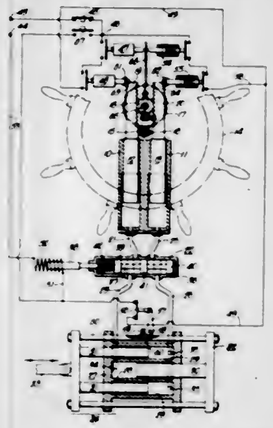
3. An adjustable seat support for attachment to a cylindrical column, comprising a sectionalized wheel race adapted to be clamped around said column, a sectionalized ring around said race and spaced therefrom, a plurality of wheels, horizontal shafts extending radially inwardly from said ring and on which said wheels are mounted and rotatable, said wheels being positioned in said race, and means for attaching a seat support to said ring.

2,546,461
COMBINATION AGRICULTURAL IMPLEMENT
Davis E. Lewis, Arcola, La.
Application August 30, 1945, Serial No. 613,587
2 Claims. (Cl. 97—47)



1. An agricultural implement comprising a frame, means for connecting said frame to the power lift of a tractor, a transversely extending I-beam carried by said frame, a plurality of agricultural implement supporting clamps secured to the flanges of said I-beam, said clamps comprising horizontally disposed jaws engaging vertically disposed flanges on said I-beam and a laterally extending arm on said jaws comprising a split clamp having a vertical bore for receiving the shank of a tool.

2,546,462
CONTROL FOR TELEMOTORS
Harry W. Link, Merion Station, Pa.
Application February 27, 1947, Serial No. 731,195
10 Claims. (Cl. 60—54.5)

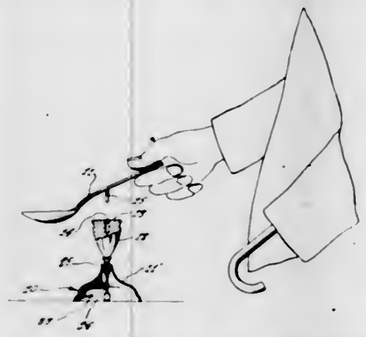


5. Remote control apparatus comprising a hydraulic control unit, and a hydraulic operating unit actuated by said control unit, in combination with a solenoid-type synchronizing valve for hydraulically disconnecting said control unit and simultaneously hydraulically trapping said operating unit, and electrical means automatically actuated by said control unit operatively connected to the coil of said solenoid-type valve for operating said valve.

2,546,463
MEDICINE SPOON HOLDER
Robert Lustig and Hana Lustig, New York, N. Y.
Application February 6, 1948, Serial No. 6,646
1 Claim. (Cl. 30—327)

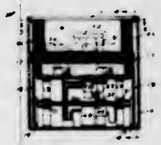
A combined medicine spoon and support, comprising a medicine spoon, having a contents receiving portion and a handle portion extending

at an angle therefrom, said handle portion having a depending projection thereon which extends at an acute angle toward the contents receiving portion, a support having a top portion with a vertically extending opening therein of substan-



tially the size of the projection of the handle and adapted to receiving said projection, said projection and said opening in the support lying at an angle to the spoon handle when said spoon is in a supported position, whereby the contents receiving portion of the spoon will lie horizontally.

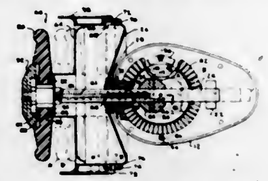
2,546,464
AUTOMATIC DEEP FRYER
Carroll C. Martin, Baltimore, Md.
Application February 27, 1947, Serial No. 731,306
2 Claims. (Cl. 99—404)



1. A cooking unit comprising a housing, a tank within said housing adapted to contain a cooking liquid, a motor located in said housing between the bottom thereof and the bottom of said tank, a basket within said tank for holding articles of food, connecting means between said motor and said basket including a cradle supporting said basket, said cradle having diametrically opposed U-shaped extensions adapted to straddle the side walls of said tank, a pair of sliders adapted to receive the free ends of said extensions, a pair of rails guiding the sliders, connecting rods between said sliders and said motor, and automatic control means to energize said motor for raising said basket out of the liquid in the tank.

2,546,465
SPINNING TYPE FISHING REEL
Franz J. Martini, Ferndale, Mich.
Application September 20, 1948, Serial No. 50,200
19 Claims. (Cl. 242—84.4)

1. In a casting reel, a line carrying spool fixed to a reciprocating spindle, a rotatable cup-shaped flier surrounding said spool and having a line engaging member pivotally mounted thereon, an operating crank, driving means operatively connected with said crank, spindle, and flier to effect the simultaneous reciprocation of said spindle and rotation of said flier upon actuation of said crank, and a manually actuated lever connected with said spindle for selectively retracting



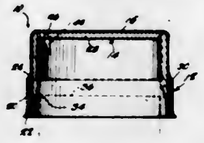
said spool into said flier independently of said driving means.

2,546,466
FACSIMILE RECORDING APPARATUS
Peter R. Marzan, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application July 21, 1949, Serial No. 105,918
7 Claims. (Cl. 178—6.6)



1. Facsimile recording apparatus of the type employing a recording blank and a recording element which responds to received signals of two different magnitudes representing respectively dark and light areas to be reproduced on said blank, the combination with said blank of a local oscillator, a grid-controlled amplifier tube connected between said oscillator and said recording element for supplying recording potential to said recording element, means to apply said signals to the control grid of said amplifier tube, means normally biassing said control grid against grid current flow, means to adjust the level of the signals applied to said grid to determine whether the recording on said blank shall be of a positive or a negative character, and separate means also connected to said control grid for restricting said recording to a positive character.

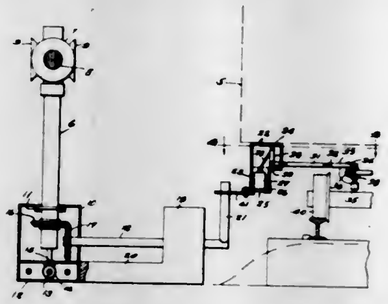
2,546,467
CREAM CAN OPENER
William M. McBride, Columbus, Ohio
Application July 20, 1946, Serial No. 685,255
4 Claims. (Cl. 30—6.1)



2. In a can opener, a can receiving cap having a closed upper end and its upper internal circumference of a lesser diameter than its lower internal circumference in order to selectively accommodate cans of different diameters, diametrical vertical channels in the side walls of the upper portion of said cap, a U-shaped cutting bar secured to the upper end of said cap and having its legs received in said channels, said legs being spaced inwardly from the inner wall of the lower portion of said cap, said legs including knife cut-

ting edges and terminating in cutting points, and a pair of depending lugs carried by said cutting bar intermediate the legs thereof and constituting cutting points for a can receivable in the upper, diametrically reduced portion of said cap.

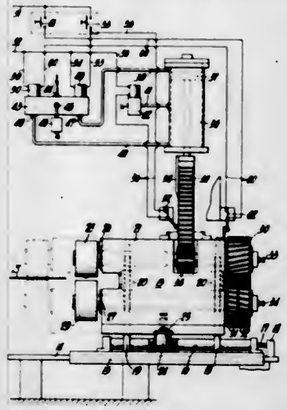
2,546,468
TRAIN CONTROLLING DEVICE
James Merryweather, Greencastle, Ind.
Application October 25, 1948, Serial No. 56,408
1 Claim. (Cl. 246—200)



Automatic brake operating means for trains including an arm mountable rotatably beside a train track, said arm being adapted at one end for rotation by a block signal shaft located adjacent said track, a crank on the other end of said arm extended vertically and upwardly on partial rotation of said arm in one direction and extended horizontally on partial rotation of said arm in the opposite direction, a housing secured to and depending from the underside of the train and located entirely under the train, a lower extension formed on the other end of the housing, a hinged trap door normally closing the bottom end of said lower extension, a weight supported in said lower extension of the housing upon the trap door, a trip member pivotally mounted on said bottom end of the lower extension for horizontal swinging movement and having one end normally underlying the door and the other end extended horizontally and outwardly for striking by said crank when the crank is extended upwardly, thus to swing the trip member out of its normal position to cause opening of the trap door under pressure of said weight, said crank when extended horizontally being located in a horizontal plane located substantially below the plane of swinging movement of the trip member, a bell crank pivoted in the upper portion of the housing, a link connecting the upper end of the weight to one end of the bell crank, a second bell crank adapted for rigid connection to a valve shaft of a train brake system extending under the train, means linking the other end of the first bell crank to one end of the second bell crank, and a smaller weight depending from and counter-weighting the other end of the second bell crank.

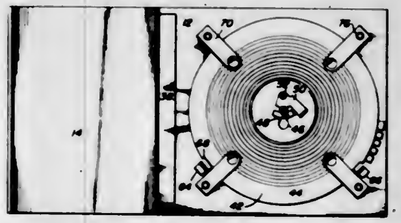
2,546,469
PUNCHING MACHINE FOR SAMPLING MOVING STRIP
Earll R. Muddiman, Wilkinsburg, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application December 14, 1948, Serial No. 65,183
3 Claims. (Cl. 164—95)

1. In a punching machine for sampling strip moving in a processing line, a carriage supported for reciprocable movement toward and away from the strip, support means on said carriage, a pair of mating punching elements rotatably mounted in said support means, motion transmitting means interconnecting said punching elements for rotating them together in opposite directions, and actuating mechanism for said punching elements comprising a pneumatic cylinder and piston, rack and pinion means connecting said piston with one of said punching elements, a solenoid four-way control valve having ports connected to a source of compressed air, to a respective discharge and to opposite ends of said cylinder, said valve thereby selectively admitting air to said cylinder for moving said piston in either



direction and restricting the discharge of air from said cylinder ahead of said piston for punching a sample from the strip and returning said punching elements to their starting position, a solenoid valve connected to the mid-portion of said cylinder, an electric circuit interconnecting said valves opening said second named valve when said first named valve admits air to said cylinder to move said piston in the punching direction, said second named valve allowing free exhaust of air from said cylinder ahead of said piston during the initial part of such movement, and means in said circuit for closing said second named valve after said piston passes the point at which this valve is connected to said cylinder.

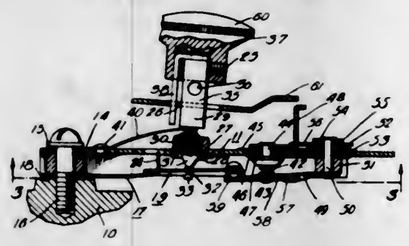
2,546,470
PHONOGRAPH RECORD ALBUM
Herman H. Mueller, Ephrata, Pa., assignor of one-fourth to George L. Bowman, Ephrata, Pa., and one-eighth to John L. Bowman, Denver, Pa.
Application January 14, 1949, Serial No. 70,974
8 Claims. (Cl. 206—62)



1. A phonograph record album including a pair of hingedly connected cover members, a mount-

ing post vertically positioned on the inner surface of one of said members for receiving a plurality of record discs and retaining them in a stacked formation, a locking plate adapted for disposition on the post and superimposed on the record discs and a locking lever pivotally carried by said plate for engaging said post whereby said plate is pressed upon the record discs and means for adjusting the pressure of the plate on the discs.

2,546,471
THERMOSTATIC SWITCH
Joseph W. Myers, Philadelphia, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 26, 1948, Serial No. 46,319
10 Claims. (Cl. 200—139)



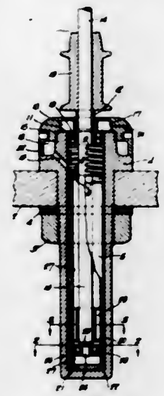
1. A thermostatic control mechanism, comprising a rigid elongate support member, a first thermomotive strip extending generally parallel to said member and having one end fixedly supported by said member, a second thermomotive strip extending from the other end of said first strip generally parallel to said member, said second strip having one end loosely pivotally engaged by said other end of the first strip, an adjustable element on said member providing an adjustable fulcrum for said second strip intermediate the ends thereof, whereby said second strip may be moved leverwise by said first strip, a switch supported by said member adjacent said second strip in substantial alignment therewith and operatively engaged by said second strip, an indexing element frictionally engaging said adjustable element, and a manual adjustment element mounted on said adjustable element and indexed thereon by said indexing element.

2,546,472
DRAG AND DISK TRAILER
Joseph F. O'Connor, Milan, Ohio
Application January 2, 1948, Serial No. 271
2 Claims. (Cl. 214—75)



1. A trailer of the class described comprising a wheeled frame including parallel side members comprising upper and lower bars and plates connecting the same, cross members between said side members, a vertical stand at the front of the frame having a telescoping lower section and a stationary upper section, braces between the frame and said stand, a hitch bar extending forwardly from said braces and stand and adapted to be coupled to the draw bar of a tractor, means mounted on said braces for raising and lowering the lower section and including a cable movable in the upper stationary section and attached to the upper end of the movable section, means to hold said stand in adjusted position when said telescoping section is lowered to support the trailer at the front or raised, when coupled to the tractor, windlasses horizontally journalled across the plates of the side members of the frame and having cables thereon to depend therefrom for engagement with the frame of a harrow straddled by the trailer, a swingable boom mounted in the rear thereof at one side outwardly and having a cable and a windlass operating the same, said cable being movable over the boom and through the mast thereof, said shafts adapted to be turned at the side by means of cranks and provided with pawl and ratchet mechanisms to hold the same in adjusted positions of rotation, a power take-off shaft driven from the power take-off of the tractor and journalled horizontally across the cross members of the frame and having operative gear connections with the shafts of the windlasses, means for operatively connecting and disconnecting said shafts, to simultaneously or independently drive the same.

2,546,473
SPINNING SPINDLE ASSEMBLY
Per Gunnar Palmgren, Philadelphia, Pa., assignor to SKF Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application April 11, 1946, Serial No. 661,286
10 Claims. (Cl. 308—152)

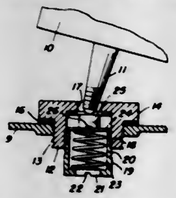


1. In a spinning spindle assembly a hollow plug, a spindle mounted in said plug, a bolster in the plug housing the lower end of the spindle said bolster seated in the lower end and having clearance with the side wall of said plug so as to afford freedom for lateral movement of the bolster in the plug, an anti-friction bearing for said spindle in the upper end of the plug, said bearing having outer and inner race rings, a second bearing for said spindle in the lower end of the bolster, a spring confined between the outer race ring of the first-named bearing and the upper end of the bolster and exerting pressure against the said seat in the lower end of the plug, and means for immobilizing the said outer ring against the thrust of said spring.

2,546,474
PROCESS OF MANUFACTURING ASBESTOS-CONTAINING MATERIAL
Pierre Pascal Peyrot and Pierre Jean Chevalier, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate
No Drawing. Application May 23, 1949, Serial No. 94,934. In France August 16, 1948
7 Claims. (Cl. 154—128)

1. A process for the production of materials containing asbestos which comprises impregnating asbestos with methylsiloxanic resin and heating the impregnated mass at a temperature of 300–500° C.

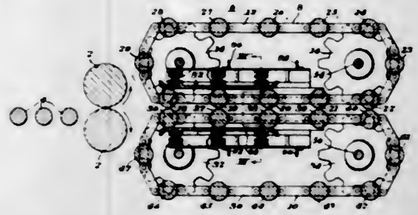
2,546,475
FILLER PLUG FOR POCKET LIGHTERS
Frank R. Rizzo, La Grange, and Charles C. Rizzo, Chicago, Ill.
Application October 14, 1948, Serial No. 54,536
3 Claims. (Cl. 220—86)



2. A closing plug for the screw-threaded filler hole of a conventional-type pocket or equivalent cigar or cigarette lighter comprising a hollow externally screw-threaded plug provided at one end with a circular outstanding marginally knurled finger grip, said finger grip being provided with screwdriver kerfs and being additionally provided with a central filler hole, said hole being of a diameter appreciably less than the bore of said plug, said plug, at its opposite end, being internally screw-threaded, an externally screw-threaded centrally-apertured cup-like fitting screwed into the internal threads of said plug, said fitting providing, within the confines of said plug, an annular stop shoulder, the apertured end portion of said fitting being provided with screwdriver kerfs, a disk-like valve fitting snugly and slidably in the bore of said plug, said valve being provided with a central cylindrical hollow button, said button, at its point of connection with said valve, having inlet orifices, the button projecting into the aperture in said finger grip and being normally flush therewith, said finger grip limiting the outward movement of the disk valve and the aforementioned shoulder limiting the movement in the opposite direction, a packing ring situated in said plug and surrounding the filler hole in said finger grip, and a coiled spring confined in said fitting and bearing at one end against the fitting and at the opposite end against said valve.

2,546,476
DIFFERENTIAL CONVEYER
Frederick K. Schefe, Gary, Ind., assignor to United States Steel Company, a corporation of New Jersey
Application September 17, 1946, Serial No. 697,537
6 Claims. (Cl. 198—34)

1. A differential conveyor for sheets or the like comprising an endless chain of rolls, means for moving said chain around a given path of travel, said rolls conveying said sheets through a part of travel, means for rotating the rolls at one end of the path of strip travel, means for normally holding the rolls from rotating at the other end of the path of strip travel, said sheets overcoming the braking action on the normally non-rotating rolls and rotating them at the same speed as the rotating rolls when a sheet is in contact with rolls at both ends of the path of strip travel.



2,546,477
CLAY BODIES AND METHOD OF PRODUCING SAME
Nathan R. Sewell, Jr., Raleigh, N. C.
No Drawing. Application March 10, 1948, Serial No. 14,165
3 Claims. (Cl. 106—72)

3. A method of producing clay-water masses with improved drying shrinkage, firing shrinkage, dry and fired strength, adsorption and porosity consisting of adding oleic acid to a dry clay with agitation, adding water and continuing the agitation for fifteen minutes, and finally air drying the mixture for thirty hours, said oleic acid being added in an amount of 0.5 to 8.0% by weight of the water.

2,546,478
HIDEAWAY SKIRT FOR KITCHEN SINKS
Lillian Sims, Brooklyn, N. Y.
Application July 1, 1948, Serial No. 36,386
2 Claims. (Cl. 160—330)



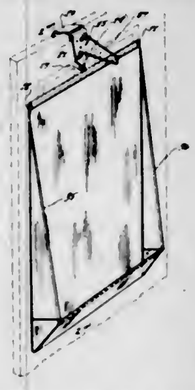
1. A skirt or curtain for use with a kitchen sink having a peripheral depending flange with braces perpendicularly to said flange, comprising a stiff top member having a plurality of vertical slots opening from the edge of said member and each adapted to receive a brace, tie cords attached to the top member adjacent said slots and adapted to tie said stiff top member to said braces and to retain said top member beneath the peripheral flange of said sink, and a bottom member of flexible material secured to said top member at its bottom edge and adapted to cover up the space below said sink.

2,546,479
EVAPORATIVE AND CAPILLARITY TOWER
Pasqualo A. Sodano, Madison, N. J.
Application May 1, 1948, Serial No. 24,578
1 Claim. (Cl. 219—38)

A distillation apparatus comprising a plurality of concentrically disposed cylindrical bodies of mesh material, a common drain bottom of mesh material for said bodies and a plurality of vapor risers communicating with the spaces between the cylindrical bodies of mesh material and extending upwardly from the drain bottom, said drain bottom being of conical shape with the low point at the center thereof, said risers being extended respectively at different levels, there being at least one riser in each of the spaces.



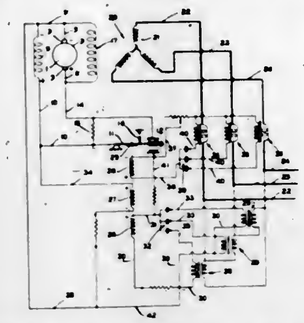
2,546,480
FOUL WEATHER CLOTHESBAG
Edward Torquati, Martin's Creek, Pa.
Application October 11, 1948, Serial No. 53,826
1 Claim. (Cl. 248—214)



A foul weather clothes bag comprising a flexible backing piece having a pocket formation on its lower end, a receptacle disposed in said pocket formation, a bracket adapted to be secured to a door or wall, said flexible backing secured to the bracket, a member extending outwardly from the bracket and adapted to receive a garment and retain the same so that it is vertically aligned with the receptacle to receive water dripping from said garment, and said bracket having a hook formation on its upper end and a plate or channel adapted to be fitted over the upper edge of a door and having a hook formation receiving and supporting the hook formation of the bracket.

2,546,481
ELECTRICAL REGULATOR
Carroll S. Townsend, Fair Haven, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 8, 1946, Serial No. 701,939
3 Claims. (Cl. 322—6)

1. In a line voltage regulating system for a generator including an exciting field winding, an exciter connected across the exciting field winding, a field winding for said exciter, a resistance connected in circuit with said exciter and exciter field winding, a movable switch arm and contact cooperating for shunting the resistance; the improvement comprising a plurality of electromagnetic windings for biasing said switch arm in a direction for opening said contact, one of said electromagnetic windings responsive to the voltage output of said generator, another of said electromagnetic windings responsive to the voltage across the exciter field winding, and a third electromagnetic winding responsive to the current output from said generator, said first and second mentioned electromagnetic windings normally having a like polarity and the third electromagnetic winding having a polarity normally acting in opposition to the polarity of said first and second mentioned electromagnetic windings,



another contact cooperating with said switch arm, said second electromagnetic winding effective upon a reversal in the polarity of said exciter field winding to cause said switch arm to close said other contact, and means connected in circuit with said exciter field winding upon the closing of said contact for correcting the polarity of the field winding of the exciter.

2,546,482
EXPOSURE APPARATUS FOR MAKING PHOTO COPIES
Lodewijk Pieter Frans van der Grinten, Venlo, Netherlands, assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands, a company of the Netherlands
Application August 24, 1948, Serial No. 45,860
In the Netherlands August 25, 1947
4 Claims. (Cl. 88—24)

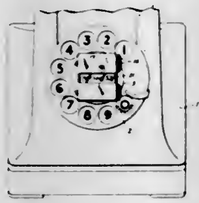


1. In an exposure apparatus for photoprinting, comprising an elongated light source and means for holding sheet material in a coaxial position for exposure by light emanating from said source, a cylindrical light shield surrounding the light source between it and said position comprising relatively long and narrow light-absorbent elements curved around and spaced apart along the axis of the shield with adjacent elements at varying distances of axial spacing across the path of the exposing light, each of such curved elements having a substantially uniform width throughout its length.

2,546,483
TELEPHONE DIAL INDEX ATTACHMENT
Joseph J. Venters, Oklahoma City, Okla.
Application April 26, 1948, Serial No. 23,150
1 Claim. (Cl. 40—10.5)

A telephone dial index attachment comprising a circular disk having a generally closed central area and provided with a downturned peripheral flange for frictionally fitting the hub of a telephone instrument dial, a housing including a pair of spaced chambers each having a bottom

wall permanently secured to the central area of the disk and including side and end walls and a platen surface, said platen surface being positioned between the chambers and in substantially the plane of the top edges of the side and end walls, supply and take-up spools journaled in the respective chambers, an index web wound on the spools and movable over the platen surface, a cover having downturned flanges disposed over



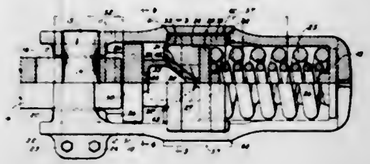
the walls of the housing and having a central plate overlying the top of the housing and provided with an opening registering with the platen surface, and a sheet of transparent material interposed between said central plate and the portion of the index web which overlies the platen, said cover plate gently pressing on said portion of the index web to yieldably resist turning of the spools.

2,546,484
CIRCUIT FOR PERIODIC INTRODUCTION OF ELECTRONS INTO AN ELECTRON ACCELERATOR
Rolf Wideröe, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application September 23, 1948, Serial No. 50,868
In Switzerland September 23, 1947
7 Claims. (Cl. 315—14)



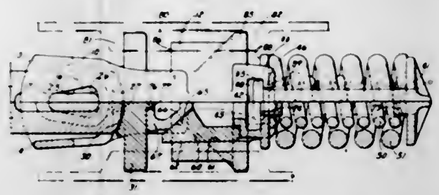
1. In a device for accelerating charged particles such as electrons and the like to high velocity, an electron injector including an electron emissive cathode, means including a main winding for cyclically producing a time-varying magnetic field of such space distribution as to confine the electrons emitted from said injector to a desired orbit while continuously accelerating them along such orbit, a peaking transformer for periodically producing in its secondary a peaked voltage effective to briefly energize said cathode to thereby produce electron streams periodically, said transformer being provided with a primary winding which is magnetized by the current flowing through said main winding and means providing said transformer with an additional magnetizing current phase-displaced relative to said first magnetizing current and impedance means in the circuit of said additional current of such a value that the peak voltage in the secondary of said transformer is not appreciably reduced by said additional current circuit.

2,546,485
DRAFT RIGGING
Donald Willison, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application October 25, 1946, Serial No. 705,556
9 Claims. (Cl. 213—67)



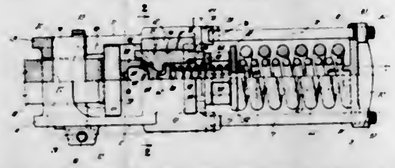
1. A combination yoke and friction shock absorbing mechanism for a railway car comprising a yoke, a friction band carried by said yoke and movable relative thereto a predetermined amount in a longitudinal direction, said band having abutments for engagement with buffing stops on a car structure to preclude rearward movement of said band, said yoke having abutments spaced rearwardly of the rearward end of said band and being adapted for engagement with said end of said band upon a predetermined amount of movement of said yoke in draft, friction shoes within said band adapted for longitudinal slidable engagement therewith, spring means in said yoke extending rearwardly of said shoes for opposing relative longitudinal movement between said shoes and band, a wedge for urging said shoes against said band and against the resistance of said springs, a follower engaging said wedge and having lateral portions for engagement with draft stops on a car structure, said spring means maintaining said abutments on said yoke out of contact with the rearward end of said band.

2,546,486
DRAFT RIGGING
Donald Willison, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application November 29, 1946, Serial No. 712,749
12 Claims. (Cl. 213—34)



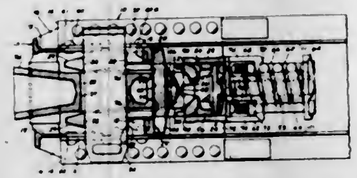
1. A combination yoke and shock absorbing mechanism comprising a friction housing having arms extending forwardly therefrom and adapted for connection to a railway car coupler, said housing having an inner surface, friction means within said housing and being in longitudinal slidable engagement with said inner surface, a yoke member extending rearwardly from said housing, means on said housing and yoke member for detachably interlocking said housing and yoke member, and spring means within said yoke member for opposing movement of said friction means relative to said housing.

2,546,487
DRAFT RIGGING
Donald Willison, Shaker Heights, and Hubert L. Spence, East Cleveland, Ohio, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application December 6, 1947, Serial No. 790,212
17 Claims. (Cl. 213—34)



3. In a draft rigging for railway cars, a yoke member adapted for operative connection to a car coupler, said yoke having a friction housing, said housing having lateral extensions adapted for engagement with buffing stops on the car, a follower member within said yoke adapted to engage pulling stops on the car, friction shoes adapted for longitudinal slidable engagement with the inner surface of said housing, a wedge member interposed between said shoes and said follower for wedging said shoes against said surface, spring means for opposing relative longitudinal movement between said shoes and housing, stop lugs extending rearwardly from the end of said yoke, bolt members extending rearwardly from said yoke, the forward ends of said bolt members engaging said lugs to prevent rearward movement thereof relative to said yoke, and a spring seat member mounted on said bolt members, said bolt members being adjustable to draw said seat member forwardly toward said yoke during assembly of the mechanism to place said spring means under predetermined initial compression.

2,546,488
DRAFT RIGGING
Donald Willison, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application January 4, 1950, Serial No. 136,669
12 Claims. (Cl. 213—34)



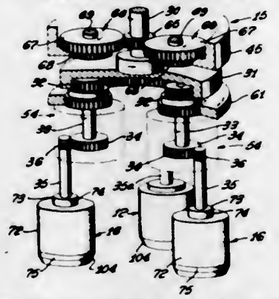
7. In a railway draft rigging a yoke member comprising a housing portion, a pair of arms extending forwardly from said housing portion for operative connection to a car coupler, and spring carrying means extending rearwardly from said housing portion, spring means carried by said spring carrying means, friction shoes engaging the inner surface of said housing and being movable relative to said housing portion against the resistance of said spring means, a wedge for actuating said shoes, follower means engaging said wedge and being movable rearwardly relative to said yoke member, said follower means being adapted for engagement with the rearward side of stop means on a car structure to preclude forward movement of said follower in draft, said yoke member being movable forwardly relative to said shoes, wedge and follower means, said yoke arms having lugs for engagement with the forward side of the stop means on the car structure to preclude rearward movement of said yoke member in buff, said yoke arms being slotted to receive a horizontal key for connecting a car coupler to said yoke member.

2,546,489
COMBINATION WIRE WRAPPER AND SCREW DRIVER
Silas H. Wright, Los Angeles, Calif.
Application October 1, 1948, Serial No. 52,256
1 Claim. (Cl. 140—124)



A device of the character described comprising a handle having a recess centrally disposed in one end thereof, a plug affixed to said handle at the inner end of said recess, an elongated shank affixed to said plug and extending outwardly of said recess, a screwdriver blade having outwardly flaring ears formed integrally with said shank at the outer end thereof, a cylindrical assembly rotatably and slidably mounted upon said shank and partially receivable in said recess, said assembly having a hollow portion at its inner end, an abutment affixed to the shank within said hollow portion, a compression spring surrounding said shank and bearing against said abutment at its inner end and against the outer wall of said compartment at its forward end, said assembly having a pair of diametrically opposed longitudinal slots in the forward end thereof for normally engaging the ears of said blades, and a hollow cylindrical wire-engaging tool mounted at the outer end of said assembly and extending normally outwardly from said blade, said blade being movable outwardly of said tool by said handle against the action of said spring.

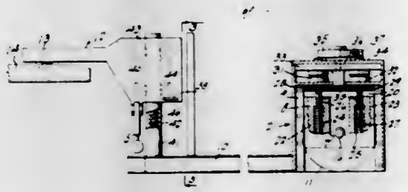
2,546,490
CYLINDER RIDGE GRINDER
Donald W. Baldwin, Los Angeles, Wilfred G. Thompson, Pasadena, and William A. Clements, Glendale, Calif.; said Thompson and said Clements assignors to said Baldwin
Application September 20, 1947, Serial No. 775,228
7 Claims. (Cl. 51—245)



1. In cylinder shaping apparatus of the class described: a head mounted and adapted for powered rotation; a plurality of power driven rotary tools journaled in said head and projecting therefrom whereby to engage the interior wall of a cylinder; and idler means including a shaft mounted in said head and projecting therefrom, a nonrotating core mounted for lateral translatory mo-

tion on the outer end of said shaft, a roller journally mounted for free rotation with respect to said core and positioned to engage said cylinder wall, and yieldable resilient means connected between said core and shaft and stressed to urge outward motion of said core whereby to effect operative pressure engagement of said tools against said cylinder wall.

2,546,491
MEANS FOR RELATIVELY VERTICALLY ADJUSTING A VEHICLE DRAFT MECHANISM AND BED
Robert O. Bill, San Leandro, Calif.
Application December 6, 1948, Serial No. 63,695
1 Claim. (Cl. 280—33.44)



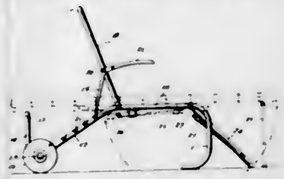
Means for relatively vertically adjusting a gooseneck and the bed of a vehicle comprising a pair of transversely spaced vertical standards having their lower ends fixed to the front end of the bed, a gooseneck having a tongue and a head with the tongue attachable to a tractive device and the head including a housing on each side with intervening upper and lower cross members and with the housings having passages for the standards and slidable thereon; a worm-gear reduction mounted on the lower cross member centrally of the space between the housings, and a screw threadedly operating through the worm gear reduction and having its lower end fixed to the forward end of the bed, and means for operating said worm gear reduction at will.

2,546,492
METAL FURNITURE
Earl C. Booth, Columbus, Ind., assignor to Arvin Industries, Inc., a corporation of Indiana
Application August 19, 1946, Serial No. 691,482
9 Claims. (Cl. 45—137)



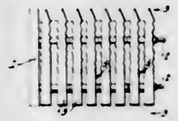
1. In an article of furniture having supporting legs, each of said legs comprising a pair of metal tubes, a common foot for the two tubes constituting each leg, said foot having upward projections extending into and engaging the inner surfaces of the tubes to locate them in spaced relationship on the foot, each of said tubes being provided near its lower end with a tongue struck from the wall of the tube and bent inwardly to extend across the interior of the tube, and screws extending through the foot and screw-threadedly received in the tongues for holding the foot in place.

2,546,493
TUBULAR STRUCTURE
Earl C. Booth, Columbus, Ohio, assignor to Arvin Industries, Inc., a corporation of Indiana
Application September 20, 1946, Serial No. 698,156
5 Claims. (Cl. 155—194)



1. In an article comprising an element formed of metal tubing, adjacent portions of the wall of said tubing lying adjacent and on opposite sides of a diametral plane being distorted inwardly into contact with each other to form a web of double thickness, said distorted portions being continuous with each other at their outer edges for at least a portion of their longitudinal extent occupying in the aggregate materially less than the entire circumference of the tubing whereby a portion of the tubing wall diametrically opposite the web will substantially retain its original curvature, said web being provided with an opening, and a second element received in said opening.

2,546,494
PROPERTY LINE FENCE CONSTRUCTION
Herman Buchholz, Long Beach, Calif.
Application October 5, 1948, Serial No. 52,874
5 Claims. (Cl. 256—22)



1. In a fence including spaced posts, a pair of horizontal rails extending between said posts and secured thereto, a plurality of spaced pickets mounted on one side of said rails, a saddle, means securing said saddle to adjacent pickets, said saddle engaging and fitting a rail, a baffle plate between each adjacent pair of pickets, said baffle plate being positioned on the side of the rail opposite the pickets, a blade, means securing the blade to a baffle plate, said blade engaging and fitting one of the rails, and means securing said blade and saddle together, whereby said pickets and baffle are secured to the rail.

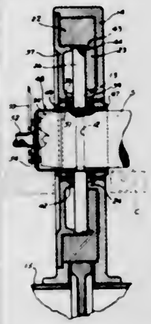
2,546,495
HOOD REFLECTION VISOR
Genoris R. Bybee, Boise, Idaho
Application May 5, 1950, Serial No. 160,148
2 Claims. (Cl. 296—97)



1. A hood reflection vizor for an automobile including a bracket adapted for attachment to the latter adjacent to the windshield thereof, the bracket having a pair of upwardly-extending arcuate clamping portions integral therewith

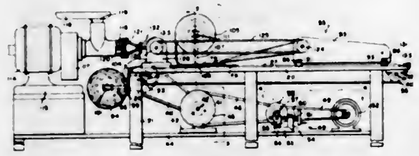
forming a yoke, a pair of opposite inwardly-extending flanges upon the upper edges of the clamping portions, an elongated tubular member having a longitudinal slot in the upper portion thereof extending from end to end and a pair of opposite longitudinal grooves upon the front and rear sides thereof in which the flanges upon the clamping portions engage slidably to allow longitudinal shifting or adjustment of the tubular member with respect to the bracket, a roller rotatably located within said tubular member, means upon the ends of the roller exposed upon the ends of said tubular member for manually rotating said roller including a pair of studs on the ends of the roller, knobs fixed on the studs and having inwardly-directed reduced portions extending rotatably into the ends of said tubular member, and a flexible curtain of sheet material at least partly wound upon and attached to the roller with the outer end thereof normally projecting upwardly through the longitudinal slot in said tubular member and being extensible to variable extents upwardly therefrom.

2,546,496
BAND APPLYING MECHANISM
John F. Crawford, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application April 28, 1945, Serial No. 590,895
3 Claims. (Cl. 78—15)



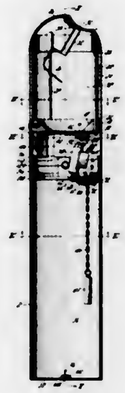
2. A hand compressor comprising, a work positioning gauging means, and a band compressing device, said device having a housing providing a substantially horizontal opening adapted to receive a band and an object within the band about which said band is to be compressed, means adjacent the perimeter of said opening for compressing the band; said gauging means comprising the combination of a cup-like device having a rim engaging the housing at the margins of said substantially horizontal opening when urged in one direction and an annular extension projecting within said opening into locating engagement with said band, said cup-like device including a head portion spaced outwardly from said opening providing a locating portion contacting an object within said cup-like device when said object is urged in the other direction to locate said object in a predetermined position in relation to said cup-like device, and consequently in relation to said band, and a locating device shiftably supported on said band compressing device outside the opening, means on said locating device for engaging said cup-like device for urging it in the first mentioned direction and thereby maintaining it in place in said opening with said rim against the margins thereof, and means on said locating device for engaging said object to urge it in the second mentioned direction to press it into said cup-like device against said locating portion, said locating device being shiftable to a position clear of said opening to provide for removal of said cup-like device and for progress of objects entirely through said opening.

2,546,497
HAMBURG STEAK PATTY FORMING MACHINE
Frank S. Elsaesser, Cincinnati, Ohio
Application November 20, 1946, Serial No. 711,083
12 Claims. (Cl. 17—32)



1. In a device of the class described the combination with a meat grinder having an outlet through which issues a continuous stream of ground meat, of a supporting table, a continuously moving conveyor belt on said table beneath the grinder outlet, a patty forming means on said table in operative relation to the conveyor belt, a continuous underlying paper layer over the conveyor belt for movement therewith, said paper layer being adapted to receive successive quantities of meat from the grinder for transporting the same to the patty forming means, and means for cutting off said successive quantities of meat from the stream of ground meat being extruded from the meat grinder.

2,546,498
FARE BOX VAULT DOOR LOCKING MEANS
Eugene M. Evans, Kansas City, Mo., assignor of one-half to Victor A. Cornelison, Kansas City, Mo.
Application January 28, 1949, Serial No. 73,335
7 Claims. (Cl. 232—15)



1. A fare box comprising a housing having a coin receiving and viewing chamber in the upper portion thereof, a door carried by said housing and adapted to close the lower end of said viewing chamber, a vault carried removably in said housing beneath said door, a handle disposed

outside of said housing and manually operable to open said door to drop coins into said vault, a locking member carried slidably by said housing and including a bolt adapted to project inwardly to engage said vault to retain it in said housing, and a member carried rigidly by said handle and overlapping the outer end of said locking member whenever said door is closed, whereby said bolt can not be moved outwardly and said vault can not be removed except when said door is open.

2,546,499
SYNTHESIS OF COUMARANS
William K. T. Gleim, Orland Park, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 5, 1949, Serial No. 79,907
3 Claims. (Cl. 260—346)

1. A method of preparing a 5-hydroxy-6-alkyl-coumaran which comprises reacting a 2-allyl hydroquinone and an olefin in the presence of an alkylating catalyst.

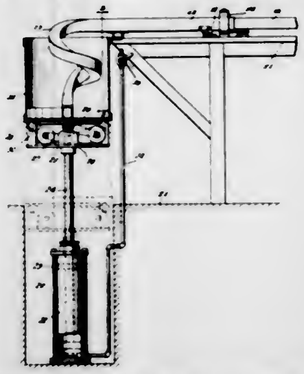
2,546,500
ELECTRICAL CIRCUITS
William M. Hall, Lexington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 22, 1947, Serial No. 723,558
12 Claims. (Cl. 250—27)



4. A circuit for detecting radio-frequency energy, comprising a gaseous-discharge diode, means for coupling said diode to radio-frequency energy, a source of direct current, means connecting said diode in series with a first resistor across said source to preionize the gaseous atmosphere of said diode, whereby upon coupling of said diode to radio-frequency energy the effective resistance thereof is varied, a pair of resistors connected in series across said source, and a relay controlling said radio frequency energy and having a winding connected between the common point of said pair of resistors and the common point of said diode and said first resistor, the voltage applied across said winding being variable in response to said resistance variation to vary the current through said winding.

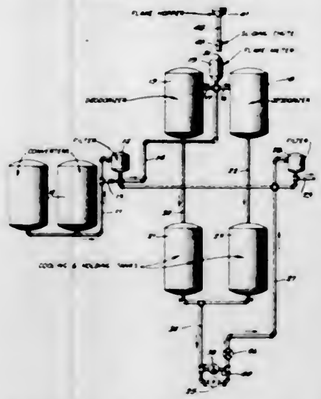
2,546,501
CAN HANDLING MACHINE
Perry H. Hamilton, Columbus, Ind.
Application August 13, 1945, Serial No. 610,607
10 Claims. (Cl. 226—16)

1. In apparatus of the type described, a turn-table adapted to support a kettle to be filled with cans, means supporting said turn-table for rotation about a vertical axis and for vertical movement, power-actuated means for rotating the turn-table and for controlling its elevation, a generally helical chute disposed above said turn-table, said chute being adapted to receive cans as its upper end and having a can-discharge opening at its lower end, and means supporting said chute for horizontal movement to vary the



distance between the discharge opening and the axis of rotation of the turn-table.

2,546,502
MEANS FOR INCORPORATING SOLID FAT IN LIQUID FATTY MIXTURES
Bertie S. Harrington, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Original application September 18, 1942, Serial No. 458,910. Divided and this application June 6, 1946, Serial No. 674,675
2 Claims. (Cl. 23—267)



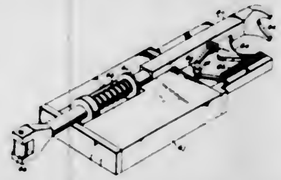
1. An apparatus for preparing a blended and deodorized product of fat and hydrogenated oil, which comprises a hydrogenating tank, a deodorizing tank, and a blending tank positioned therebetween, said blending tank comprising a tapering lower portion, a neck portion below said tapering portion, and an upper portion, an inlet conduit extending concentrically with said neck portion upwardly into said upper portion so as to provide an inlet passage for hydrogenated oil and to provide an annular outlet passage for the blended liquid product between said conduit and the wall of said neck portion, the tapered bottom of said blending tank opening at its lower end into said annular outlet passage at a point adjacent said inlet conduit, said neck portion being connected to a second conduit extending so as to provide a passage through said annular outlet passage to said deodorizing tank, the upper portion of said blending tank including a top, a closable opening for the reception of solid fat, and a deflector baffle located over the open end of said upwardly extending inlet conduit, said hydrogenating tank, deodorizing tank, blending tank, and connecting conduits being sealed to prevent contact of air with the interior thereof.

2,546,503
SAW BLADE CONSTRUCTION
Joseph Langford Haycock, Napanee, Ontario, Canada
Application December 8, 1948, Serial No. 64,210
3 Claims. (Cl. 143—133)



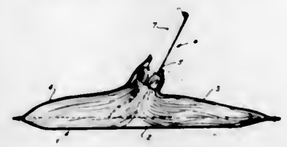
1. A saw comprising a blade having a serrated edge portion, said edge portion having successive parallel inclined edges, and a rod fixed to each of said edges, each said rod being of substantially circular cross-section and uniform diameter greater than the thickness of the blade, each said rod having its axis coinciding with the medial plane of the blade and having an outer end inclined with respect to the axis of the rod, said end having a cutting edge.

2,546,504
OBJECT HOLDING MECHANISM FOR GRINDING MACHINES
Robert R. Head, Boulder, Colo.
Application November 15, 1946, Serial No. 710,167
8 Claims. (Cl. 51—217)



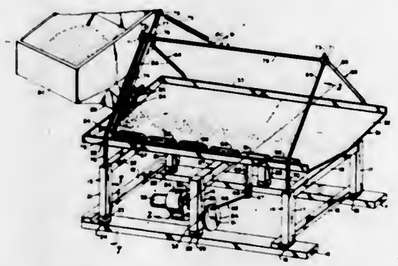
2. An object holding mechanism for a grinding machine having a rotating flywheel and a stationary cam, comprising a support capable of being attached to said flywheel and formed in two halves; an inner stationary jaw attached to said support and having a guideway therein and a portion contoured to the object to be held; an outer movable jaw also having a portion contoured to the object to be held and movable radially with respect to said flywheel and thereby movable inwardly and outwardly with respect to said stationary jaw; a rod element carrying at its outer end said movable jaw, and at its inner end a cam follower, said rod having a stop and said support halves having grooves to accommodate said rod; a spring and bearing washer surrounding said rod in said grooves, said spring bearing at one end against said stop and at the opposite end against said washer, said spring tending to hold said movable jaw closed; an auxiliary jaw slidably mounted in said stationary jaw for extension therefrom and retraction thereinto; and a link element consisting of three links and rods and attached at one end to said movable jaw rod and at the other end to said auxiliary jaw, whereby said auxiliary jaw will enlarge the space between said jaws available for the ingress or egress of an object when said jaws are opened to receive said object and also when said jaws are opened to discharge said object, said auxiliary jaw also being adapted to engage said object to hold said object between said jaws when said jaws are closed.

2,546,505
REMOVABLE COVER FOR MOPS
Grace Heron, Clayton, Mo.
Application October 29, 1949, Serial No. 124,439
1 Claim. (Cl. 15—247)



A mop covering device adapted to be secured to a mop having a handle with cords secured to one end thereof, the covering comprising a substantially flat body portion and two facing portions affixed to the body portion about the periphery thereof with the adjacent ends of the facing portions disposed in overlapping relation transversely of the body portion substantially in the medial portion thereof thereby forming a slot for receiving the handle of said mop, the facing portions forming opposed pockets with the body portion on each side of the medial portion thereof, and the covering device being of such size as to receive the mop with some of the cords extending into each pocket and the overlapping ends of the facing portions gripping that part of the handle adjacent to which the cords are secured.

2,546,506
APPARATUS FOR GRINDING ORE
Thomas E. Hobensack, La Crescenta, Calif.
Application May 20, 1946, Serial No. 670,962
1 Claim. (Cl. 241—117)



In a device of the class described: a shallow trough deepest along its longitudinal center and having upturned side walls, said trough being higher at one end than at the other; means for introducing into the trough material to be processed, said material being introduced at the higher end of said trough; a series of longitudinally extending rollers in the trough; means for flexibly connecting the adjacent ends of the rollers to each other; a frame having a part extending over the trough; a lever adjacent the higher end of the trough and having a rotatable connection with the frame; flexible means connecting the end of the adjacent roller to the free

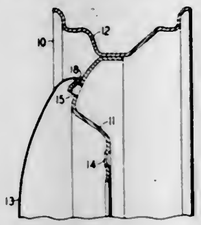
end of the lever; means, including a spring, for urging the free end of the lever toward the upper end of the trough; and means for rocking the trough.

2,546,507
AUTOMATIC FREIGHT CAR
Frank G. Holmes, Philadelphia, Pa.
Application March 24, 1948, Serial No. 16,782
7 Claims. (Cl. 105—455)



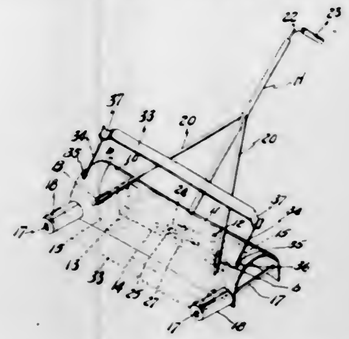
1. In a freight car having a chassis supported on spaced trucks and including a floor and opposite end walls rising from the floor and a rotatable body in the chassis including end walls containing doorways, a center pin-center plate construction for rotatably mounting the body on the chassis floor for rotation of the body whereby the body end walls can be disposed laterally of the chassis so that they overlap a loading platform to facilitate loading and unloading, said center pin-center plate construction having toothed central orifices vertically aligned, and a toothed pin movably disposed in the orifices for normally holding said body and chassis in longitudinal parallelism.

2,546,508
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 18, 1946, Serial No. 684,414
4 Claims. (Cl. 301—37)



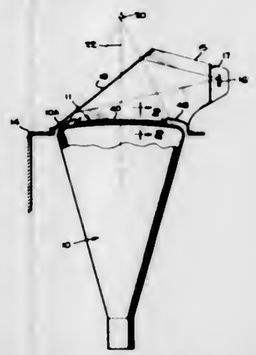
1. In a wheel having a wheel body, means on said wheel body for attaching a cover thereto comprising a plurality of V-shaped straps integral with, and attached at the extremity of the legs thereof, to said wheel body, said V-shaped straps extending outwardly on the outboard face of the wheel body in circumferentially spaced relation and positioned equidistant from the axis of the wheel body, the radially outer face of each V-shaped strap being planar and inclined inwardly toward the outer face of the wheel body and radially inwardly toward the axis of the wheel body, each V-shaped strap having an axially outer face inclined outwardly from the said radially outer face of the V-strap and radially inwardly toward the axis of the wheel body whereby the two said inclined faces of each V-shaped strap form a hump at their intersection over which the wheel cover is adapted to be pressed.

2,546,509
TIRE DOLLY
Sireno Emmet Huff, Evart, Mich.
Application August 4, 1949, Serial No. 108,577
7 Claims. (Cl. 214—1)



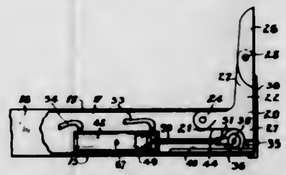
1. A dolly of the class described comprising a housing, spaced-apart rollers rotatably mounted on said housing member and extending forwardly thereof, a rearwardly and upwardly extending stem rigidly secured to said housing and supported thereby, a handle rotatably mounted in the stem, bearings in said housing, a non-rotatable axle adjustably mounted therein, ground-engaging wheels rotatably journaled on the ends of said axle, and means on said handle and connected to said axle for shifting said housing laterally with relation thereto.

2,546,510
ANTIPARALLAX MAPPING DEVICE
Kendall Jones, Los Angeles, Calif., assignor to Gilfillan Bros., Inc., Los Angeles, Calif., a corporation of California
Application November 8, 1948, Serial No. 58,885
8 Claims. (Cl. 177—319)



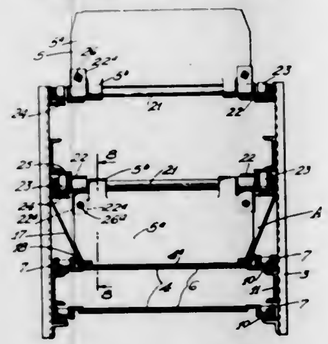
1. In combination, a cathode ray tube having a viewing surface, an overlay element positioned adjacent to and in front of said viewing surface, said overlay element being opaque but yet optically apertured for transmission of light in a first portion of the spectrum, capable of producing emission from said viewing surface of light in a second portion of the spectrum, to produce a corresponding luminous pattern upon said viewing surface, both the optically apertured and opaque portions of said overlay element being transparent to light in said second portion of the spectrum which corresponds to the wavelength of light emitted upon impingement of the associated cathode ray beam on the internal coating of the tube.

2,546,511
BUNK STAKE EQUIPMENT
Ernest E. Jorgensen and Lincoln Johnson, Halfmoon Bay, British Columbia, Canada
Application December 14, 1948, Serial No. 65,126
7 Claims. (Cl. 280—145)



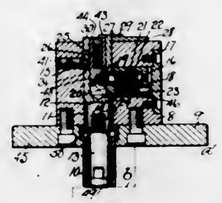
1. Bunk stake equipment comprising a substantially L-shaped stake, means pivotally connecting the horizontal section of the stake to a bunk adjacent the end thereof, said horizontal section extending inwardly from the vertical section of the stake, a bearing independent of the stake removably positioned beneath the latter outside its pivot point, said stake when in its normal working position resting on the bearing and means for withdrawing the bearing from supporting the stake to permit the stake to swing downwardly on its pivot out of its normal position.

2,546,512
LOADER CONVEYER
William Hurst Lewis, Altadena, Calif., assignor to Standard Steel Corporation, Los Angeles, Calif., a corporation of California
Application April 18, 1945, Serial No. 589,049
4 Claims. (Cl. 198—164)



4. In a loader of the class described, a frame, a belt conveyor mounted thereon, a flight conveyor mounted above the belt conveyor with the flights of the lower run extending toward and positioned contiguous to the upper run of the belt conveyor, the frame having a trough, the side walls of which diverge upwardly from the edges of the upper run of the belt conveyor, the lateral ends of the flights terminating adjacent said side walls, the bottom of the trough being formed by the upper run of the latter, and means comprising yieldable portions on the lower edges of the side walls, engaging the lateral portions of the upper run of the belt conveyor, substantially sealing the side walls with the upper run of the conveyor belt, but only to the extent of allowing the belt conveyor to operate.

2,546,513
AMPLIFYING GAUGE
Hans J. Lovenston, Detroit, Mich.
Application May 27, 1944, Serial No. 537,699
14 Claims. (Cl. 33—172)

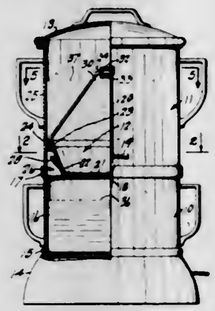


1. A gage for determining dimensional values comprising a body having a base surface, a primary plunger carried by said body and movable in a rectilinear path, one end of said plunger being adapted to contact a work surface spaced from said base surface, a secondary plunger carried by said body and movable in a rectilinear path parallel to the path of movement of said primary plunger, surfaces on each of said plungers inclined to the path of movement of said plungers, a corresponding end of each of said plungers terminating adjacent a surface of said body, indicating surfaces on said plungers adjacent said end, an indicating surface on said body adjacent the indicating surfaces on said primary and secondary plungers, and a third plunger carried by said body and movable in a rectilinear path transversely of the path of movement of said other plungers, said third plunger having a pair of inclined surfaces cooperating with and complementary to the respective inclined surfaces of said primary and secondary plungers, means urging an inclined surface of said third plunger into engagement with the complementary inclined surface of said primary plunger, means urging the inclined surface of the secondary plunger into engagement with the complementary inclined surface of the third plunger, said secondary plunger being arranged to be displaced relative to movement of said primary plunger but in opposite direction whereby the dimensional movement of said primary plunger with respect to the base surface of said body is indicated in actual degree by the relative displacement of the indicating surfaces on said primary plunger and said body and indicated to amplified dimensional degrees by the relative displacement of the indicating surface on said secondary plunger with respect to the indicating surfaces on said primary plunger and said body.

2,546,514
HOT CHOCOLATE DISPENSER
Alexander F. Lunardi, Oakland, Calif.
Application January 3, 1949, Serial No. 68,789
7 Claims. (Cl. 210—52.5)

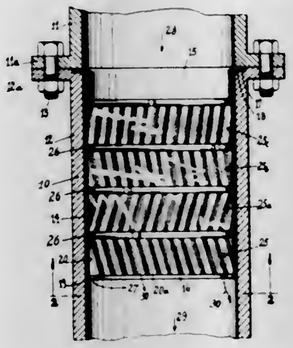
1. A hot chocolate dispenser comprising; a boiler and heating means therefor, a hot chocolate container heated by said boiler, and a settling and skimming basin located at the lower end of said container and having inset walls to form an annular dispensing chamber, and open-

ings spaced slightly above the bottom of said basin to pass settled hot chocolate into the annular dispensing chamber with the sedimentary material in the hot chocolate settling to the bottom of said basin, and a dispensing spout for said annular dispensing chamber, said settling and



skimming basin having a shelf-like portion at its upper end to increase the area of the dispensing chamber and with the shelf-like portion terminating in a peripheral upstanding wall with the upper end of the wall frictionally cooperating with the inside of the wall of the hot chocolate container to form an air trap.

2,546,515
MIXER FOR GASEOUS OR VAPORIZED MATERIALS
George T. Macbeth, Bronxville, N. Y.
Application January 29, 1947, Serial No. 724,967
8 Claims. (Cl. 48—180)



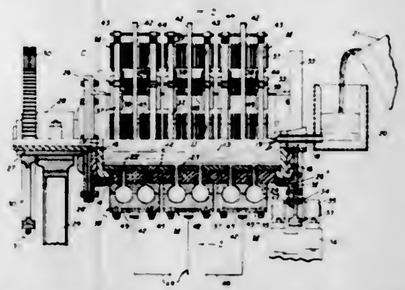
1. In a mixing device for a conduit of gaseous mixtures, the combination, a grid formed of a plurality of strips of material set edgewise across said conduit and covering the full cross sectional area thereof, each strip having a plurality of identical corrugations through the width thereof each corrugation having oppositely inclined sides and rounded peaks at both ends, the corrugations in each strip being identical to those in the others, said strips being set in close nesting relation so that the sides of the corrugations rest against each other and the peaks are spaced, whereby only a plurality of minute arcuate spaces will be left in the grid for the gaseous mixture to pass through at the peaks of the corrugations.

2,546,516
FISH LURE
Joseph P. Nardi, Detroit, Mich.
Application April 21, 1948, Serial No. 22,481
3 Claims. (Cl. 43—42.06)



2. A fish lure of the kind described, comprising a hollow, fish-like body being made in the form of an all-enclosed shell, the body including on its inner side an integrally formed portion extending downwardly towards the longitudinal axis of the body and provided with a vent leading from the bottom of said integrally formed portion to the top of the body, said body being provided with a port on the underside for admission of water into the body of the lure to a level above the lower end of the vent to force air outwards through said vent, the space between the surface of the water and the top portion of the body serving to entrap a volume of air within said body, to impart buoyancy to said lure.

2,546,517
METAL CASTING
Telfer E. Norman, Denver, Colo.
Application September 4, 1945, Serial No. 614,257
8 Claims. (Cl. 22—74)



4. A casting machine comprising a refractory lined basin adapted to contain molten metal; a set of three molds for forming individual cast articles, said molds being composed of electrically conductive material and being electrically insulated from each other; gates providing a passage for molten metal and connecting said basin with each mold, said gates being formed of electrically insulating material; an electrical connection for each mold; and a three wire, three phase alternating electric current supply with one wire leading to each of said connections, so that said current passes through each mold and the metal in the gate connected therewith and to said pool, said pool acting as a common terminal for said three phase current.

2,546,518
CLOTHES HANGER WITH CONTAINER FOR MOTH REPELLENT
Frank O'Farrell and Leon J. Delson, Long Beach, Calif.
Application November 15, 1948, Serial No. 60,044
1 Claim. (Cl. 223—86)

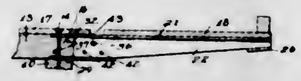
A clothes hanger comprising a central body portion, said body portion being of solid construc-

tion and forming a substantial part of the clothes hanger, screw threads on the outer ends of said body portion, a pair of tubular cups, said cups being screw threaded on the inner ends thereof



to cooperate with the threads on the body portion, said cups being adapted and arranged to receive a moth repellant, and said cups forming lateral extensions of said body portion.

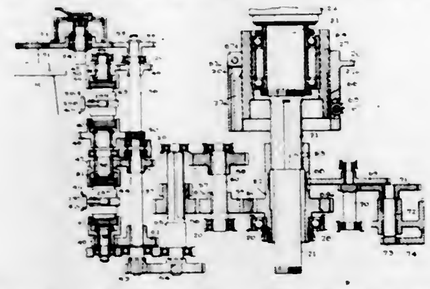
2,546,519
COMBINED WAGON BOX AND RACK
Mike Podnar, Ankeny, Iowa
Application March 31, 1947, Serial No. 738,366
1 Claim. (Cl. 296—11)



In a device of the class described, a bolster having each end terminating in a socket rectangular in cross section and having extending side walls to form spaced flanges, a bolster stake for each end of said bolster, supported normally in a vertical position, each stake comprising a back having outwardly extending and spaced sides, the bottom and top ends of the outer edges of said sides each having a corresponding upper and lower cross bar fixed thereto, means pivoting the lower ends of the stakes to the corresponding flanges of said bolsters to swing from said vertical position to a horizontal position with the said lower ends of said stakes engaging the under surface of the top of said bolster socket, with the lower edge of said lower cross bar against the outer end of the bottom of said bolster to limit the downward movement of the free end of the stake, said flanges and stakes each having an opening and a cooperating pin for locking the stakes in either vertical or horizontal position.

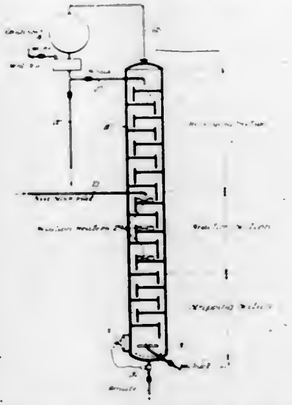
2,546,520
MACHINE TOOL
William Wallace Potter and Alfred Joseph Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application May 26, 1944, Serial No. 537,490, now Patent No. 2,455,876, dated December 7, 1948. Divided and this application March 25, 1946, Serial No. 656,930. In Great Britain March 28, 1945
3 Claims. (Cl. 82—28)

1. In a lathe, a headstock housing having spaced walls, a driven gear having an axial opening therethrough surrounded by laterally extending sleeve-like portions, one of said sleeve-like portions being journalled within a bearing in one of said walls of the headstock housing, a spindle splined in said axial opening of said gear, a sleeve-bearing surrounding the nose end portion of said spindle and slidably mounted in a complementary support portion of the other wall of said headstock housing for movement longitudinally of said spindle, two radial anti-frictional bearings of the preloaded type disposed axially of the nose end portion of said spindle and fixedly interposed between said spindle and said sleeve-bearing, means connected with said sleeve-bearing for moving the latter axially relative to the housing to adjust the nose of the



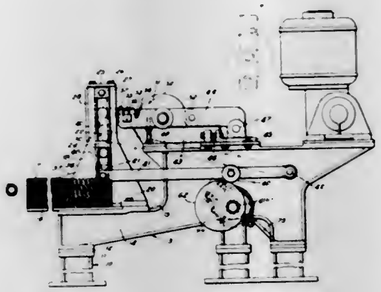
spindle with respect to the headstock housing, the sleeve-bearing support portion of said housing having an operable clamping device thereon to directly bind an adjacent portion of said sleeve-bearing in its precisely adjusted position to said headstock housing.

2,546,521
MANUFACTURE OF NITRILES AND AMIDES
Ralph H. Potts, La Grange, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Original application March 20, 1941, Serial No. 384,232. Divided and this application September 1, 1945, Serial No. 614,022
7 Claims. (Cl. 260—404)



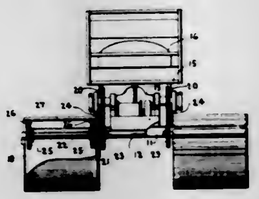
1. A process for making fatty acid nitriles and amides, comprising reacting liquid fatty acid having at least eight carbon atoms with ammonia in a reaction zone, maintaining reaction temperatures for the forming of said amides and the conversion of a portion of the amides to nitriles, said temperatures being below the boiling point of the fatty acid and above the boiling point of the nitriles, passing nitriles upwardly in said zone and unconverted amides downwardly in said zone whereby said amides are segregated in a lower portion of said zone, withdrawing vaporized nitriles and condensing the same, and withdrawing amides separately from the lower portion of said zone.

2,546,522
ADHESIVE APPLYING MACHINE
Edward W. Quackenbush, Chicago, Ill.
Application November 12, 1947, Serial No. 785,418
6 Claims. (Cl. 91—47)



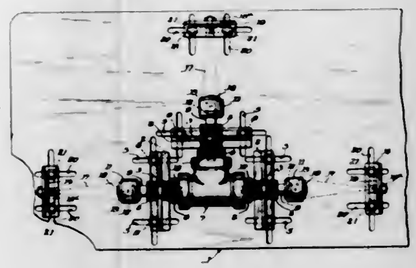
2. An apparatus for applying an adhesive film to a sheet comprising a fixed bed for supporting a stack of sheets, a pair of vertical slideways over said bed, a linearly movable element riding in said slideways having a pad on its lower surface for transferring adhesive to the top sheet of the stack, means for applying adhesive to said pad, a pivoted arm attached to the movable element at one end for reciprocating same, and a rotating cam for lifting the arm during a portion of a revolution, said pad resting on the uppermost sheet of the stack during another portion of a revolution to transfer adhesive thereto.

2,546,523
MARSH VEHICLE
Frank F. Reynolds, Houston, Tex.
Application August 20, 1947, Serial No. 769,732
2 Claims. (Cl. 115—1)



1. An amphibious craft comprising, a pair of spaced elongated pontoons, spaced means at the top of and interconnecting said pontoons fore and aft in substantially parallel relation, a platform mounted upon said interconnecting means, transverse shafts on each of said pontoons at the opposite ends proximate the tops thereof, sprockets on each of said shafts; an endless belt passing about each pontoon and over said sprockets, an additional sprocket on the inner end of each of the rearmost shafts, a prime mover on said platform, a sprocket and chain connection between said prime mover and each of said additional sprockets, and means for selectively driving said sprocket and chain connections so that the craft is propelled and steered and may pass to and from water covered and land areas.

2,546,524
GAUGING AND ALIGNMENT DEVICE FOR FITTINGS, BY LIGHT PROJECTION
Charles J. Schipplock, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application August 27, 1948, Serial No. 46,468
1 Claim. (Cl. 88—24)



In means for gaging and aligning threaded fittings or the like on a work-piece by light projection, the combination including gages mounted in the fittings being gaged, a light beam projecting lamp having tapered shanks receivable in similar recesses in the said gages, adjustably movable target means for the light beams extending in a plurality of directions transverse the axes of the work-piece, the light beams of the projecting lamp registering on said target means to thereby indicate visually the alignment or misalignment of the said gages while mounted in the fittings.

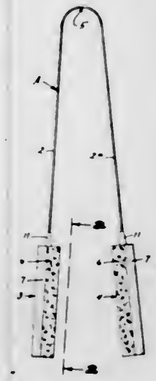
2,546,525
ALLOY FOR USE AS A POT OR CONTAINER FOR MOLTEN LIGHT METALS
Claude M. Sheridan, New Kensington, and Theodore A. Pruger, Creighton, Pa., assignors to Allegheny Ludlum Steel Corporation, Brackenridge, Pa., a corporation of Pennsylvania
No Drawing. Application January 12, 1950, Serial No. 138,272
10 Claims. (Cl. 75—126)

1. An improved chromium-manganese alloy which contains up to about .25% maximum carbon, about 8 to 15% chromium, about 19 to 24% manganese, about 1 to 2.5% silicon, about .5 to 2% zirconium, and the remainder substantially iron with incidental impurities, the alloy being characterized by its superior oxidation resistance.

2,546,526
DEVICE TO CLEAN VENETIAN BLIND SLATS
Harry C. Shirley, Oakland, Calif., assignor to R. W. Williams, Oakland, Calif.
Application August 23, 1947, Serial No. 770,260
1 Claim. (Cl. 15—210)

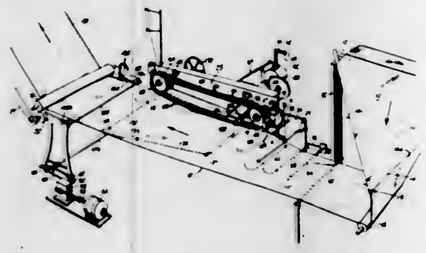
A device for cleaning Venetian blind slats comprising a strip of flat resilient material bent medially to form a substantially U-shaped member and wherein the legs of said member diverge slightly from one another, wiping elements, and means, comprising a clip formed of resilient metal and provided with a foldable flap portion, to attach a leg to a said wiping element, said wiping elements comprising pads of absorbent, porous, soft material formed to receive a free

end of a said leg therein, said wiping elements arranged to project outwardly from opposite



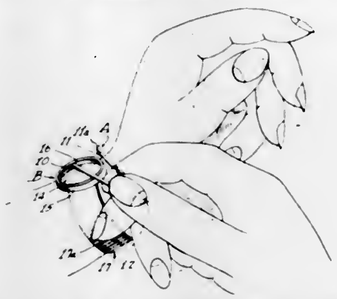
sides of each leg forming a protective cushion around said legs and metal clips.

2,546,527
TACKER
Harold E. Smyth, Millville, Mass., assignor to Bachmann Uxbridge Worsted Corporation, Uxbridge, Mass., a corporation of Massachusetts
Application September 3, 1948, Serial No. 47,605
3 Claims. (Cl. 112—203)



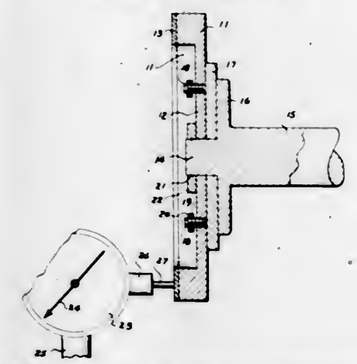
1. A device for accurately aligning the margins on a folded over length of cloth which comprises, a pair of endless members positioned one substantially above the other, means for leading one thickness or fold of the cloth into engagement with the lower flight of the upper of said endless members, and means for leading the other thickness or fold of said cloth into engagement with the upper flight of the lower of said endless members, a plurality of sprockets for supporting each of said endless members, means for rotating said endless members at synchronous speeds to advance the cloth to a sewing head with the free edges of said folds engaged by said endless members respectively, and an assembly for maintaining the folded over cloth extended to its full width and for compensating for any variations in width comprising, a rod mounted for movement toward and away from said fold and having one end extending between the folds of said cloth toward the fold line and pivotally connected to one end of an extensible contact member angularly disposed with respect to said rod, the other end of said contact member being pivotally connected to a fixed supporting member, whereby said tubular member may be swung toward or away from said line of fold by movement of said rod toward or away from said contact member.

2,546,528
BOBBY PIN OPENER
John R. Snyder, Bakersfield, Calif.
Application June 25, 1949, Serial No. 101,289
2 Claims. (Cl. 132—1)



1. An opener for separating side members of a resilient bobby pin, the latter having juxtapositioned free ends; the opener including: a disc having a circumferential flange rising therefrom and defining an opening at its top; the upper section of the flange curving inwardly toward the center of the disc to define an annular hook, with an unobstructed circumferential recess disposed below this hook; the hook being dimensionally spaced above the disc at a distance so that the free ends of the bobby pin can straddle the hook with these ends still juxtapositioned, when the bobby pin is disposed at an acute angle relative to the disc, and the free end of one of the side members is moved along the disc in contact therewith into engagement underneath the annular hook, with the free end of the other member passing above the hook.

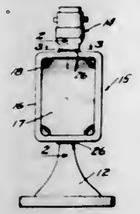
2,546,529
TRUING AND BALANCING DEVICE FOR A FACE TYPE DIAMOND GRINDING WHEEL
Elmer Speicher, Birmingham, Mich.
Application September 8, 1950, Serial No. 183,800
7 Claims. (Cl. 51—168)



1. In combination, a face type diamond grinding wheel having an annular flat abrasive surface at right angles to its axis of rotation, a rotatable spindle upon which said wheel is centrally mounted and secured, a flat back plate secured

upon said spindle and arranged at a right angle to its axis of rotation and against which said wheel bears, and a plurality of spaced circularly arranged set screws threadably projected through said wheel with their inner ends operatively engaging said back plate to the extent that the outer face of said grinding surface lies in a plane at right angles to the axis of rotation of said spindle.

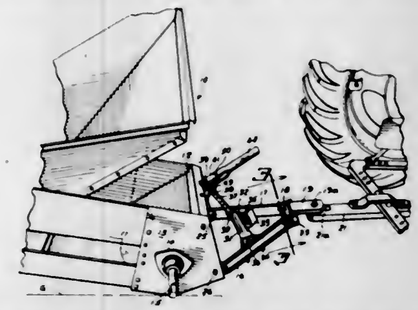
2,546,530
FRAME STRUCTURE AND SUPPORT THEREFOR
William E. Vogel, Los Angeles, Calif., assignor to Lighting Specialties, Inc., Los Angeles, Calif., a corporation of California
Application March 15, 1948, Serial No. 14,956
2 Claims. (Cl. 40—125)



1. In combination with a longitudinally extending supporting member having threaded sections adjacent its opposite ends, a display structure adapted to be mounted thereon, said structure comprising a rigid frame adapted to lie against one side of said longitudinal support, a pair of semicircular locking members formed at opposite ends of said frame and protruding therefrom, said locking members being formed with arcuate seats adapted to conform to the supporting member, a backing member disposed upon the opposite side of the supporting member from the frame structure and having arcuate end portions complementary to the arcuate locking members carried by the frame whereby said arcuate end portions and the locking members will embrace the supporting member, cup-shaped members freely mounted upon opposite ends of the supporting member and into which said locking means and the arcuate ends of the backing member protrude, and threaded members upon opposite ends of the supporting member to engage said cups and force the cups toward each other whereby the frame structure and the backing member will be held in an assembled position upon the supporting member.

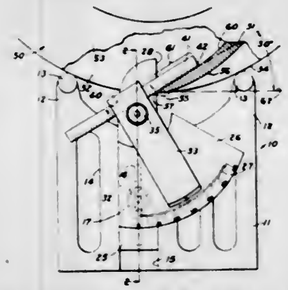
2,546,531
HITCH MECHANISM
Wilhelm Vutz, Coldwater, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application May 10, 1949, Serial No. 92,460
2 Claims. (Cl. 280—33.44)

1. In combination with a farm implement which during normal operation has one end resting on the ground which said end is adapted to be raised and releasably secured to a draft device to permit transportability, a hitch and ratchet apparatus comprising a pair of spaced arms pivotally secured at independent points to the end of the farm implement, said arms converging at their ends remote from the end of the farm implement, a bearing bushing rigidly secured to the convergent ends of said arms, a sleeve rotatably supported by said bushing, said sleeve having a portion thereof extending therefrom and formed to define an aperture for engagement with complementary means provided on the draft device, an internally threaded block comprising a pair of diverging legs each of which is pivotally secured to one of said arms intermediate its ends, a threaded shaft, the lower end of said threaded



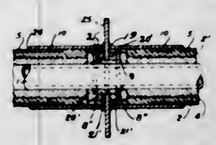
shaft engaging said threaded block and the upper end being rotatably mounted at the end of said farm implement above the points at which said arms are pivotally secured thereto, and a removable reversible ratchet handle for selectively rotating said shaft in a clockwise or counterclockwise direction for swinging said arms relative to the farm implement.

2,546,532
TANGENTIAL ANGLE GAUGE
John B. Wade, Arcadia, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application September 17, 1945, Serial No. 616,738
2 Claims. (Cl. 33—75)



1. A gauge comprising: a flat plate; a pair of legs extending therefrom; feet on the ends of said legs adapted for contacting the periphery of a circular body, there being a free space between said feet to accommodate said body when so contacted; a side slideably mounted on said plate for projecting a relatively short distance therefrom between said legs said slide providing a straight edge which is normal to and bisects a line joining corresponding points on said feet; means for setting said slide in a selected position in its sliding relation with said base plate; a protractor scale on said slide; an indicator arm pivotally mounted on said slide on the axis of said scale, said axis being disposed toward the end of said slide which is adapted to slideably project between said legs; means for retaining said indicator in any desired setting with reference to said slide in which said indicator indicates a selected angle on said scale; and a rectilinear member slideably mounted on said indicator at right angles to the latter, so that said member is adapted to be extended from said indicator across the periphery of said circular body to lie flush against a face on said body to measure, by the position of said indicator on said scale, the angle said face makes with a tangent to the periphery of said body at the point where said periphery is crossed by said straight edge.

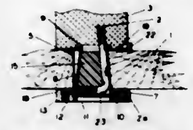
2,546,533
ANCHOR FOR PIPES
Thomas F. M. Williamson, San Francisco, Calif., assignor to Alexander H. Isenberg, Woodside, Calif.
Original application March 18, 1946, Serial No. 655,294. Divided and this application November 13, 1947, Serial No. 785,633
4 Claims. (Cl. 248—49)



1. An anchor for an insulated pipe conduit assembly of an inner conveyor pipe enclosed within a thermal insulating jacket, in turn enclosed within a layer of solidified moisture impervious material, in turn enclosed within an outer casing, the anchor structure having a portion extending radially outwardly beyond the circumference of the conduit assembly for anchorage in a foundation externally of the conduit, and said anchor including a plurality of plate members relatively spaced longitudinally of the conduit and having opposed faces transversely of the axis of the conduit, at least one of said plates having an inner edge portion circumferential of the conveyor pipe and fixedly connected thereto for preventing relative longitudinal movement therebetween, the plate so connected to the conveyor pipe having an outer casing peripherally therearound, said last mentioned plate extending radially outwardly from the conveyor pipe and being of lesser diameter than the outer casing around its periphery whereby the periphery of said plate is spaced from the outer casing therearound providing insulation space between said plate periphery and said outer casing; and another of said plates having its inner edge spaced from the circumference of the conveyor pipe, the outer portion of the last mentioned plate extending radially outwardly beyond the portion of the outer casing which houses the layer of moisture impervious material; and means between the opposed faces of said plates maintaining them in longitudinally spaced relation, the layer of moisture impervious material terminating in spaced relation to plates fixedly connected to the conveyor pipe, and thermal insulation material interposed between said moisture impervious layer and plates fixedly connected to the conveyor pipe.

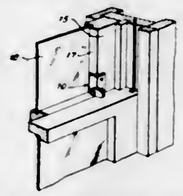
2,546,534
VENETIAN BLIND
Louis J. Znidarsic, Euclid, Ohio
Application April 11, 1950, Serial No. 155,263
8 Claims. (Cl. 160—173)

1. In a Venetian blind of the type having an upper tilt bar, a bottom drop bar, slats and ladder type parallel supporting webs therefor, a tilt cord and an elevator cord, the combination of a quick detachable means for adjustably securing said elevator cord to said drop bar, said means comprising a hollow sleeve extending through a vertical aperture in said drop bar, said sleeve having a relatively large bottom plate to engage



said drop bar and a top flange insertable through said aperture, a slidable clip for engaging said top flange to secure said sleeve to said drop bar, a wedge plug insertable in said hollow sleeve and having an open side groove to flatwise receive a desired length of said elevator cord.

2,546,535
WINDOW LOCK
Joseph Barry, Richmond Hill, N. Y.
Application January 20, 1950, Serial No. 139,627
5 Claims. (Cl. 292—63)

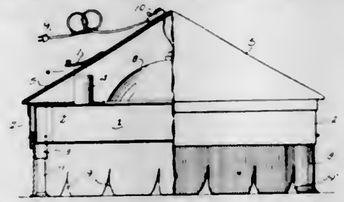


1. A device for preventing relative movement between upper and lower window sashes comprising an angle frame having flanges disposed at right angles to each other, said frame being adapted to be secured to the upper sash, a shaft attached at one end to said frame, a locking bar adjacent one of said flanges and supported by said shaft, said bar being rotatable relative to the frame to a locking position, an offset portion on said bar engageable with the other of said flanges when the bar is in said locking position, a knob rotatably mounted on the free end of said shaft and having an inwardly extending finger thereon, a cam surface formed on said locking bar cooperating with said finger to clamp the bar in engagement with said other flange of the frame, and means mounted on the shaft for laterally urging the locking bar toward the frame.

2,546,536
CHICK BROODER
Ezra Berg, Evanston, Wyo.
Application November 6, 1945, Serial No. 627,007
1 Claim. (Cl. 119—33)

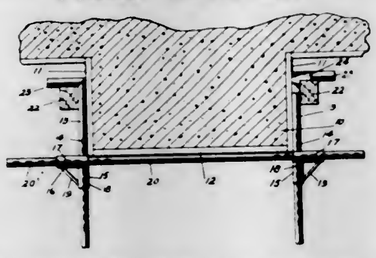
In a brooder, a plurality of vertically disposed legs arranged in spaced parallel relation to form an enclosure, said legs each comprising a plurality of telecoping sections, a flat fluid container horizontally positioned in said enclosure and fixedly secured to the top sections of said legs, a rigid skirt concentrically disposed about the top sections of said legs and spaced from the latter, a pin extensible through each of said top sections and the skirt adjacent thereto for locking said legs in a predetermined adjusted position relative to a supporting surface, means carried by said pins intermediate said legs and the skirt adjacent thereto for supporting a curtain, and means carried above said container and sup-

ported by the latter for providing heat energy to said container, whereby said container may be



vertically positioned relative to a supporting surface.

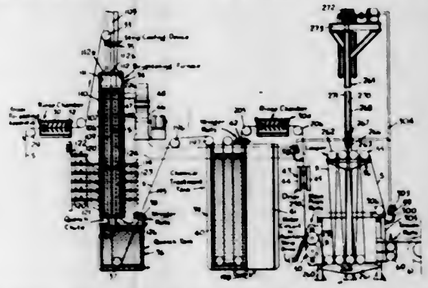
2,546,537
ADJUSTABLE CLAMP FOR CONCRETE FORMS
Howard B. Cain, Milwaukee, Wis.
Application June 11, 1946, Serial No. 676,002
2 Claims. (Cl. 144—291)



1. An adjustable clamp for concrete forms comprising a pair of cylindrical rods arranged in spaced confronting relation with respect to each other and adapted to abut opposite sides of a concrete form, each of said rods being provided with a plurality of slots extending therealong and spaced from each other, a tubular sleeve circumposed about each of said rods and slidably supported thereon, a collar having one end arranged in end to end abutting relation with respect to each of said sleeves and rotatably and slidably supported on each of said rods, the other end of each of said collars being provided with a plurality of circumferentially spaced notches of varying depths, said notches being selectively alignable with a select slot of each of said rods, a key insertable in each of said aligned notches and slots to lock each of said collars and sleeves in a select position relative to each of said rods, a second transversely disposed tubular sleeve superposed upon each of said first named tubular sleeves and secured thereto, a rod extending through said confronting tubular sleeves and slidably supported therein in abutting relation with the adjacent end wall of said concrete form, and means engageable with each of said second named sleeves and said second named rod for holding the pair of cylindrical rods in a select spaced position relative to each other.

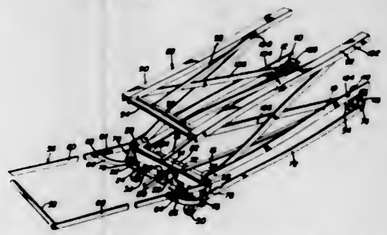
2,546,538
APPARATUS FOR HANDLING AND BRIGHTENING METAL
John E. Erhardt, Jr., Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 30, 1945, Serial No. 625,505
6 Claims. (Cl. 266—3)

1. In a strip handling apparatus, a vertically extending furnace structure, means to move a strip downwardly in a vertical run through said structure, means adjacent the lower portion of the structure to heat the strip, and means ad-



jacent the upper portion of the structure to flow a cooling liquid upon the run within the structure.

2,546,539
VERTICALLY ADJUSTABLE FURNITURE TRUCK
Michael F. Fehn, Philadelphia, Pa.
Application February 14, 1950, Serial No. 144,076
8 Claims. (Cl. 280—44)

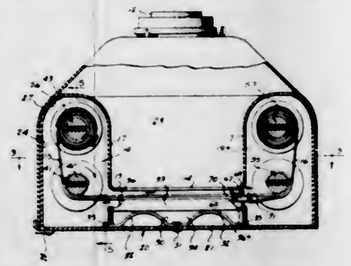


1. A furniture truck comprising a carriage having side bars and a front bar interconnecting the forward ends of said side bars, a pair of wheels rotatably mounted on said carriage behind said front bar, a transverse rod secured between said side bars adjacent said front bar, a plate vertically pivoted to said rod, caster wheels carried adjacent the ends of said plate, a pair of rear wheels, means pivotally securing said rear wheels to the rear ends of said side bars, further bars terminally pivoted to said plate and said first means, a handle vertically pivoted to said transverse rod, and link means interconnecting said handle and said plate whereby said caster wheels and said rear wheels will be raised upon upward movement of said handle, said carriage settling upon said first pair of wheels and said rear wheels.

2,546,540
DUAL FILM CAMERA
James F. Gruben, Roby, Tex.
Application March 30, 1948, Serial No. 17,990
2 Claims. (Cl. 95—31)

1. In a camera comprising a casing provided with two film chambers spaced apart, an objective on the casing, and a transverse wall between the chambers having an opening therein substantially in the focal plane of said objective, and there being a pressure plate spaced from the wall to provide passage between the wall and the plate for movement of films therebetween, the improvement which includes a film supply spool disposed in each chamber beyond the ends of said

transverse wall, a take-up spool in each chamber disposed forwardly of the film supply spool therein and forwardly of the plane of said wall, means preventing reverse rotation and unwinding of each take-up spool, a baffle movable between said wall and said pressure plate transversely of the optical axis of said objective, a pair of bars forming roller supports spaced apart upon the baffle, two slip loop rollers rotatably mounted between the roller supports on opposite sides of said baffle and accompanying the latter in its movement between said wall and said pressure plate, the pressure plate having the edges thereon beveled from the forward surface thereof, a frame secured in said casing with forwardly directed edges thereon for removably retaining said pres-



sure plate in predetermined position in which films from said supply spool are retained in a predetermined forwardly adjusted plane rearwardly of said transverse wall, two of said forwardly directed edges serving to limit movement of said baffle and forming limit stops therefor when the films on said supply spools are threaded over said slip loop rollers at each side of the baffle in such fashion as to form slip loops from which the films extend to the take-up rollers upon the same respective sides of the baffle on which they connect with supply rollers, and four manually operated knobs upon said casing with two knobs exteriorly of each chamber thereof and individually connected to the supply and take-up rollers in said chambers.

2,546,541
COMB AND COMBLIKE DEVICE
Francis Charles Hunt, London, England
Application November 18, 1946, Serial No. 710,549
In Great Britain November 29, 1945
6 Claims. (Cl. 132—15)



6. A comb comprising comb teeth mounted so as to be capable of rotating about their axes and formed with circumferential rills, the free ends of the teeth being provided with small freely rotatable balls.

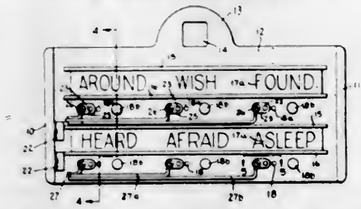
2,546,542
SNAP SEAL FASTENER
George C. Hurt, Warrenton, Oreg.
Application October 20, 1947, Serial No. 780,816
2 Claims. (Cl. 229—78)

1. An envelope including a body portion having a flap secured thereto, a receptacle secured to said portion and bendable locking means secured to said flap lockingly engageable with said receptacle, said receptacle having a concave wall and a marginal flange extending therearound said marginal flange having an opening to receive said locking means, bendable lugs extending from



said flange and cooperating therewith to frictionally engage said body portion, said bendable lugs being substantially U-shaped, one of the legs of each of said U-shaped lugs being a portion of said flange and the other leg being substantially parallel thereto, terminating inwardly of the outer edge of said receptacle.

2,546,543
EDUCATIONAL DEVICE
Timothy W. Jones, Tuskegee, Ala.
Application May 20, 1946, Serial No. 670,904
1 Claim. (Cl. 35—9)

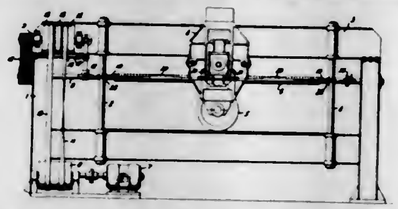


An educational device of the kind described comprising a display board, a plurality of spaced apart electrical contact members on said board and extending therethrough, a second contact member adjacent each of said first contacts on one side of the board, a contact connecting member engageable with a selected pair of first and second mentioned contacts, an electrical circuit connected to said second contact members, a freely movable contact member in said circuit engageable with said first contact member for completing said circuit, a signal member associated with each of said pair of contacts in said circuit for indicating the completion thereof, a relay in said circuit including an armature, a second electrical circuit including a pair of contact members connected parallel to said first and second contacts when said freely movable contact is engaged with said first contact member, said armature engageable with said second pair of contact members upon initial actuation of said relay upon completion of said first named circuit for holding said first named circuit closed and keeping said signal member in operation after said first contact member and said freely movable contact member are disengaged.

2,546,544
ROLLING MACHINE OF THE BRIDGE TYPE FOR THE TREATMENT OF LEATHER
Josef Kadlečík, Spytihnev, Czechoslovakia, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia
Application October 18, 1949, Serial No. 122,006
In Czechoslovakia October 30, 1948
5 Claims. (Cl. 69—46)

1. In a rolling machine of the bridge type having a reciprocating working roll the direction

of movement of which is changed by means of a shifting rod provided with stops which limit the working path of the roll, the arrangement on

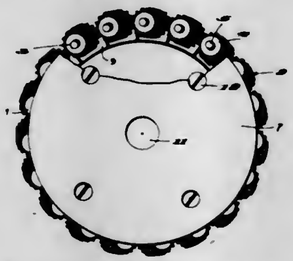


the shifting rod of fixed stops which are disposed along two opposed helices as viewed from the center point of the said rod.

2,546,545
PROCESS FOR THE SEPARATION OF ISOMERIC CHLOROBENZOIC ACIDS
Jonas Kamlet, New York, N. Y., assignor to Tennessee Products & Chemical Corporation, Nashville, Tenn., a corporation of Tennessee
No Drawing. Application December 22, 1950, Serial No. 202,397
1 Claim. (Cl. 260—525)

A process for the preparation of o-chlorobenzoic acid and insoluble p-chlorobenzoic acid which comprises agitating a mixture of the acids with a solvent mixture of o-chlorotoluene and p-chlorotoluene, selectively dissolving substantially all of said o-chlorobenzoic acid, separating the resultant solution of o-chlorobenzoic acid from the insoluble p-chlorobenzoic acid, recovering the o-chlorobenzoic acid from said solution, and returning the solvent mixture to the process for oxidation to o-chlorobenzoic acid and parachlorobenzoic acid.

2,546,546
SCRAPING DISK
Bedřich Korbel, Zlin, Czechoslovakia, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia
Application December 3, 1948, Serial No. 63,352
In Czechoslovakia December 11, 1947
4 Claims. (Cl. 69—1)



1. In a scraping disc, more particularly for roughening the marginal portions of the upper leather and sole to improve the adherence of the glue in the manufacture of glued footwear, the arrangement of two circular plates having mounted between the same at the peripheries of the plates a plurality of sets of small scraping wheels freely rotatable about their own axes upon engagement with the surface to be roughened, the said axes being arranged out of parallelism with the rotational axis of the circular plates.

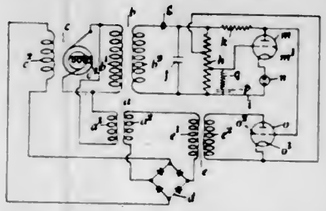
2,546,547
ELECTRODEPOSITION OF MANGANESE
John Koster, Crimora, Va., assignor to Crimora Research and Development Corporation, Crimora, Va., a corporation of Virginia
No Drawing. Application February 26, 1945, Serial No. 579,885
1 Claim. (Cl. 204—45)

The process of electro-depositing substantially pure, gamma manganese in a single compartment cell having an insoluble anode and employing an electrolyte which consists of about 40 grams of manganese per liter and about 165 grams of ammonium sulphate per liter, wherein about 6.7 grams of boric acid per liter are added to the electrolyte, and wherein the electrolyte is circulated continuously through the cell, which comprises adding finely divided electrolytic manganese to the spent circulating electrolyte in sufficient amount to maintain the manganese content of the electrolyte in the cell substantially constant during the electrolysis; and maintaining the pH of the electrolyte in the cell approximately neutral.

2,546,548
ANODE FOR ELECTROWINNING MANGANESE AND METHOD OF MAKING THE SAME
John Koster, Crimora, Va., assignor to Crimora Research & Development Corporation, Crimora, Va., a corporation of Virginia
No Drawing. Application June 23, 1945, Serial No. 601,326
3 Claims. (Cl. 204—56)

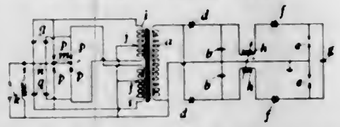
1. In the preparation of an anode for electrowinning manganese, the steps of dispersing fine particles of hand, corrosion-resistant, non-metallic material of sizes between 10 mesh and 200 mesh in a base made substantially of lead; forming said dispersion into suitable shape for use as an anode; and subjecting the anode to preliminary electrolytic treatment in a manganese electrolyte to convert some of the lead on the surfaces into lead oxide and simultaneously depositing manganese dioxide thereon, thereby forming anchored, adherent coatings of said oxides on the surfaces of the anode.

2,546,549
REGULATING MEANS FOR ALTERNATING ELECTRIC CURRENT GENERATORS
John Andrew Laird and John William Reid-Jones, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England
Application July 26, 1946, Serial No. 686,267
In Great Britain May 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 14, 1965
1 Claim. (Cl. 321—23)



Voltage regulating means comprising in combination a rectifier, an impedance winding for varying current flow through the rectifier, a thyratron, means for imposing a controlling voltage on the thyratron, and another winding through which the thyratron current can flow and which is arranged to vary the effective impedance of the impedance winding, so that variation in the voltage imposed on the thyratron is accompanied by variation of the current flow through the rectifier, the means for imposing a controlling voltage on the thyratron comprising a source of alternting current, a condenser connected across the alternating current source, a rectifier through which the condenser is intermittently charged by said source, a resistance connected in parallel with the condenser, a second resistance, a thermionic valve, and a constant voltage discharge tube, the valve and tube being connected in series with each other and with the second resistance across the first mentioned resistance which is connected at different points to the grid of the valve and the cathode of the thyratron.

2,546,550
SPARK IGNITION APPARATUS
John Andrew Laird, Coventry, and Dennis William Morris, Aston, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England
Application January 6, 1950, Serial No. 137,154
In Great Britain January 12, 1949
10 Claims. (Cl. 315—232)



1. In spark ignition apparatus, the combination of a pair of ignition systems each including a condenser, a rectifier to which the condenser is connected and through which the condenser can be charged, and a control gap which is also connected to the condenser and a cross which a discharge can occur when the charge in the condenser reaches a predetermined voltage, the two ignition systems being interconnected and adapted to ensure substantially simultaneous discharges across the two control gaps.

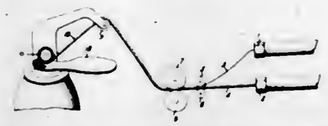
2,546,551
METHOD OF MAKING ALKALI METAL CYANATES
Louis L. Lento, Jr., Springdale, and David W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 25, 1950, Serial No. 140,544. In France May 23, 1949
10 Claims. (Cl. 23—75)

1. The method of preparing a cyanate comprising fusing an organic nitrogen compound and a member of the group consisting of potassium carbonate and potassium carbonate-sodium carbonate mixtures in an aluminum container and recovering the said cyanate.

2,546,552
LUBRICANTS
Clarence M. Loane and Lawson W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 8, 1947, Serial No. 767,656
11 Claims. (Cl. 252—32.7)

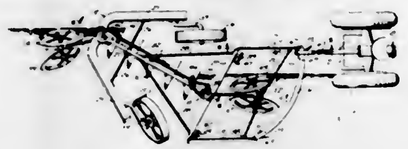
1. A non-aqueous lubricant composition comprising a major proportion of a hydrocarbon oil and in combination therewith from about 0.001% to about 10% of a potassium-containing neutralized reaction product of P_2S_5 and an olefin polymer having a molecular weight of from about 500 to about 10,000 obtained by reacting said olefin polymer with from about 1% to about 50% P_2S_5 at a temperature of from about 200° F. to about 500° F. and neutralizing the resultant reaction product with a potassium-containing basic reagent, and from about 0.01% to about 10% of a potassium salt of a propylene polymer alkylated benzene sulfonate, said propylene polymer having a molecular weight of from about 100 to about 5000.

2,546,553
METHOD AND APPARATUS FOR THE PRODUCTION OF AN ORNAMENTAL SHOE SOLE WELT, BORDER, OR THE LIKE, ON SHOE SOLES OF RUBBER OR THE LIKE
Oldřich Majtner, Zlin, Czechoslovakia, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia
Application July 1, 1948, Serial No. 36,544
In Czechoslovakia July 21, 1947
8 Claims. (Cl. 12—67)



1. In a method for the production of an ornamental shoe sole with a welt, border or the like with imitation of sewing stitches, the steps of placing in the desired position on a rubber welt, which is still in plastic condition, a rubber strand, also in plastic condition, and having the same colour, shape and thickness as the yarn to be imitated, causing the said rubber strand to adhere to the welt, laying the welt together with the yarn imitating strand on a shoe sole, pressing the welt against the shoe sole and concurrently shaping the rubber strand to imitate sewing stitches.

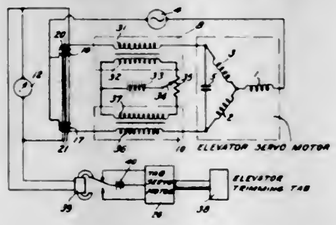
2,546,554
REVERSIBLE DISK PLOW
Robert L. McElroy, Belton, Tex.
Application March 8, 1949, Serial No. 80,289
12 Claims. (Cl. 97—32)



1. A reversible disc plow comprising a frame, a disc gang disposed below said frame, means connecting said disc gang to said frame for rotation of said disc gang about its longitudinal axis, a pair of supporting wheels carried by said frame at respectively opposite sides thereof, a rear guide wheel truck pivotally connected to said frame at the rear end of the latter and projecting rearwardly from said frame, a front wheel truck pivotally connected to the front end of said frame and projecting forwardly of the latter, a quadrilateral towing structure pivotally connected to the front end of said frame and connecting said plow to traction means, said towing

structure including an elongated tow bar having a tractor hitch seat near each opposite end thereof, a tractor hitch slidably mounted on said tow bar and movable from one to the other end of said tow bar whenever said plow is turned to reverse its direction of travel, and means connecting said front guide wheel truck to said towing structure to maintain said truck in position such that its path of travel is substantially parallel to the line of traction from said traction means to said plow, said towing structure being effective to tilt said frame as the tractor hitch moves from one end of said tow bar to the other to bring the supporting wheel at the corresponding side of the frame into engagement with the ground and simultaneously lift the other supporting wheel out of contact with the ground.

2,546,555
AUTOMATIC CONTROL AND INDICATING SYSTEM FOR CRAFTS
Frederick William Meredith, London, and Frederick Roger Milsom, Boreham Wood, England, assignors to S. Smith & Sons (England) Limited, London, England, a British company
Application February 25, 1947, Serial No. 730,874
In Great Britain February 14, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1966
4 Claims. (Cl. 177—311)



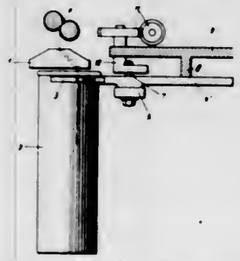
1. In an automatic control system for a craft comprising an electric servo-motor for actuating a control surface and two alternative circuits through which current is supplied to the said motor, the current through one or other of said circuits being greater according as the motor is to rotate in one direction or the other the combination of, a heating coil arranged in each of the said circuits, a thermocouple associated with each heating coil and heated by the current flowing through the coil, and a centre zero instrument to which are applied in opposition the outputs from the said thermocouples and which will indicate any unbalance of the heating current caused by the craft being in an out-of-trim condition.

2,546,556
HANGER FOR PIPES AND OTHER FITTINGS
William R. Miller, Norfolk, Va.
Application October 8, 1947, Serial No. 780,052
3 Claims. (Cl. 248—72)



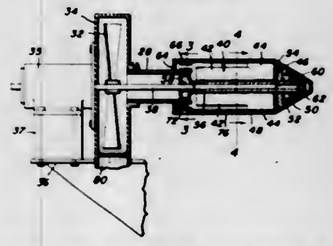
1. A hanger for pipes and other fittings, comprising opposite clamp elements engageable to the flanges of an I-beam, one of the clamp elements being welded to a plate having U-shaped edges within which the other clamp element is slidably mounted, each of the clamp elements having spaced openings to receive a screw, a screw engaging in one of said openings and in a fixed relation holding the clamp sections in fixed relation to each other, and a fitting such as a pipe hanger carried by said screw.

2,546,557
DEVICE FOR PLACING SLIVERS INTO CANS
Werner Naegeli, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland
Application July 29, 1947, Serial No. 764,449
In Switzerland July 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 10, 1966
5 Claims. (Cl. 19—159)



1. In a machine for preparing slivers for spinning, a main frame, a plurality of coiler heads having openings for delivering slivers, cans for receiving slivers delivered from each respective coiler head, clamping means for exchangeably suspending said cans below said coil heads, a can supporting frame carried by the main frame to which all of said clamping means are attached, and means to impart to said can supporting frame a circular movement in a horizontal plane.

2,546,558
DUST COLLECTOR
Frank N. Niederkorn, Port Washington, Wis.
Application August 22, 1949, Serial No. 111,727
4 Claims. (Cl. 183—77)



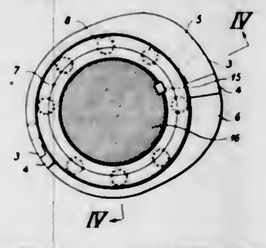
1. A rotary dust separator comprising a tube, a suction fan, a motor for the fan and including a shaft mounted coaxially of the tube, said fan being fixed to said shaft at one end of said tube, radially disposed webs rigidly secured to said shaft and extending longitudinally of the shaft, said webs having reduced portions and radially extended portions, a cylinder secured to said extended portions coaxially of said tube and having one end of the cylinder enclosing the other end of said tube, the other end of the cylinder being perforated, dust discharge openings in the wall of the cylinder adjacent said one end of the cylinder, said webs extending throughout a major portion of the cylinder, and scrapers fixed to the tube and extending between said reduced portions of the webs and said cylinder, said scrapers extending over the said dust discharge openings, said scrapers each having a short arm secured to said tube and a longer arm spaced radially outwardly from the short arm and having a sharpened longitudinal edge adjacent the inner surface of the cylinder.

2,546,559
FISHING REEL
Marvin Nix, Muroc, Calif.
Application April 15, 1947, Serial No. 741,488
1 Claim. (Cl. 242—84.5)



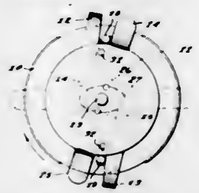
In a fishing reel, a relatively stationary support having a plane face, a stationary shaft projecting at right angles from said face and having a free end, a reel body journalled on said shaft having an inner end engageable with said plane face and an outer end spaced from the free end of the shaft, the outer end of said reel body being formed with a concentric circular recess defining an annular axially outset projection having a friction facing, a friction disc journalled on said shaft between the outer end of the reel body and the free end of said shaft, said friction disc having an axially inset circular central portion defining an axially outset annular peripheral portion arranged to engage said friction facing with said inset central portion extending into said recess, a handle on said peripheral annular portion of the disc, and spring means acting between the free end of the shaft and the outer side of the friction disc and urging said disc toward the outer end of the reel body.

2,546,560
CONTROLLING CAM
Hans Vilhelm Flygel Pedersen, Copenhagen, Denmark
Application January 25, 1946, Serial No. 643,432
In Denmark March 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1961
5 Claims. (Cl. 74—568)



3. A controlling cam comprising two mutually engaging parts of substantially semi-circular configuration having at each end telescoping portions, each of said parts having a cam surface and together forming a continuous cam profile, each of said parts being adjustable about the axis of the cam, a boss keyed to a cam shaft having a groove therein, a projection on each of said parts engaging said groove, said parts having oblong holes therein, said boss having threaded holes therein and locking bolts threaded in said threaded holes extending through said oblong holes for securing said parts to said boss.

2,546,561
CAN OPENER AND SEALING CLOSURE
Miles O. Polson, Flagstaff, Ariz.
Application April 11, 1947, Serial No. 740,925
2 Claims. (Cl. 30—6.1)

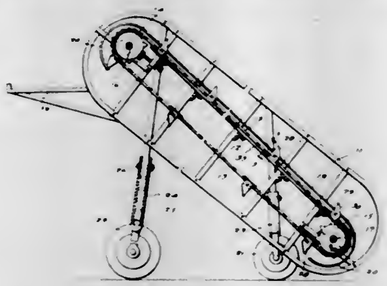


2. A perforating and sealing closure for a tin can comprising a substantially flat rigid disc arranged adjacent to the end of the can to be perforated, a resilient sealing gasket secured to the bottom of the disc and engaging the end of the can for sealing it, spaced prongs secured to the disc and projecting inwardly of the gasket for perforating the end of the can when the closure is applied to the can, a plate rotatably mounted upon the disc and disposed in spaced superposed relation with respect to the disc, a pair of substantially flat elongated gripping arms disposed between the top of the disc and rotatable plate and pivotally connected with the disc between their inner and outer ends, the arms being freely swingable over the disc and including outer substantially U-shaped depending extensions adapted to engage the side of the can below the end thereof, and an elongated cam secured to the rotatable plate for movement therewith and arranged between the plate and disc and between the inner ends of the arms, the cam engaging the inner ends of the arms for spreading them apart and swinging the depending U-shaped extensions into engagement with the side of the can when the rotatable plate is turned.

2,546,562
HAY LOADING MACHINE
William J. Propheter, Sterling, Ill.
Application September 10, 1946, Serial No. 695,945
2 Claims. (Cl. 198—7)

2. A loading conveyor for attachment to a vehicle comprising a mobile frame inclined at an angle with respect to a ground surface, a plurality of horizontally disposed endless chains arranged longitudinally of and within said frame in side by side spaced relation with respect to each other and at substantially the same inclined angle with respect to said ground surface as said frame and mounted in said frame for rotation about horizontal axes, a horizontally disposed supporting strip extending longitudinally of said frame arranged between adjacent portions of said chains constituting the upper runs thereof and below and spaced from said upper runs, a plurality of spaced upstanding

brackets arranged transversely of and straddling each of said chains and secured to said chains, a rake tooth superimposed upon each of said brackets and connected to the adjacent bracket for rocking movement about an axis transverse of said chain, means on each of said rake teeth and engageable with the adjacent portion of



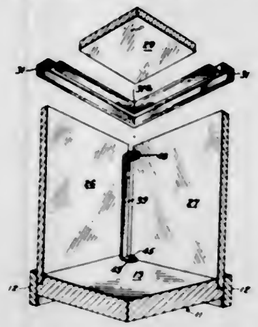
said supporting strip while the portions of said chains constitute the upper runs thereof for maintaining said rake teeth in their upstanding position, and a horizontally disposed guide panel extending longitudinally of said frame arranged between the portions of said chains constituting the upper runs thereof and above and spaced from said upper runs.

2,546,563
HULA SKIRT
Theresa M. Rodin and Fred M. Rodin, Honolulu, Oahu, Territory of Hawaii
Application April 4, 1949, Serial No. 85,280
6 Claims. (Cl. 2—211)



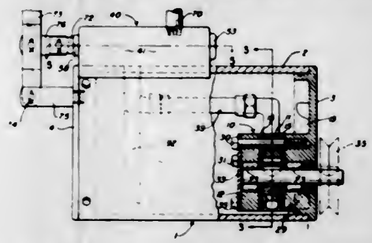
1. An artificial ti leaf skirt comprising a plurality of fabric leaves coated on one side with a plastic paint and coated on the other side with a plastic rubber paint, spaced fastening means for securing said leaves and a tie-member to which said leaves are secured, each of said leaves including a shredded leaf portion and a petiole portion of reduced width doubled upon itself and looped over said tie-member, the edges of said petiole portion being provided with opposed pairs of notches adapted to receive said spaced fastening means whereby said leaves are secured to each other in side-by-side relationship, and reinforcing means for each looped petiole portion comprising a fabric strip of lesser width than the petiole portion, looped over said tie-member and retained in position by said spaced fastening means.

2,546,564
DEMOUNTABLE SHOWCASE
Leo Roselyn, San Francisco, Calif.
Application February 5, 1946, Serial No. 645,642
4 Claims. (Cl. 312—114)



1. A demountable show case comprising a base, a closure frame on the back of said base and extending normal thereto, movable doors mounted in said closure frame for opening and closing the case, a plurality of transparent panels removably mounted on said base, a lid strip removably seated on the top of said panels and on the top of said closure frame, a top transparent panel removably seated on said lid strip, and locking means comprising a plurality of clips with bendable depending skirts on said top panel for latching the case against disassembly unless access to the interior thereof is gained through said doors; said skirts of said clips being adapted to be bent to bring the same into bearing engagement with the inner side of said lid strip.

2,546,565
HYDRAULIC UNIT COMPRISING RESERVOIR, PUMP, AND VALVE
Dana J. Schneider, Painesville, Ohio
Application August 22, 1946, Serial No. 692,273
7 Claims. (Cl. 103—42)



1. A unit of the class described comprising a reservoir, a pump enclosed by the reservoir and having its inlet open to the liquid space thereof below the minimum operative liquid level in the reservoir, a valve casing surmounting the reservoir and adapted to occupy different orientated positions thereon, the valve casing and the wall of the reservoir whereon it is mounted having each a plurality of apertures that register when the valve casing occupies different orientated positions, a high pressure conduit leading from the outlet of the pump through an aperture of said wall and communicating with the interior of the valve casing through one of the apertures of the latter, a low pressure conduit communicating with the interior of the casing through another of the aforesaid apertures thereof and

extending through an aperture in said wall to the interior of the reservoir, a pipe leading from the valve casing and adapted to convey liquid to and from hydraulic equipment, a check valve within the casing subjected to the pressure communicated to the interior of the casing through said high pressure conduit and which check valve opens in response to said pressure, and valve means in the casing shiftable from a first or neutral position wherein it permits communication between the high pressure and low pressure conduits, to a second position wherein it shuts off such communication thereby to cause the liquid from the high pressure conduit to flow past the check valve to said pipe, and to a third position wherein it establishes communication between said pipe and the low pressure conduit, and an operating element for shifting said valve means.

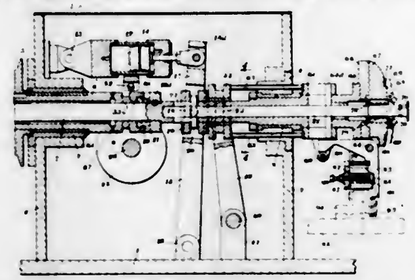
2,546,566
BOTTLE CAP
Herbert H. Schweizer, Fort Collins, Colo.
Application August 8, 1949, Serial No. 109,173
5 Claims. (Cl. 215—42)



1. A molded bottle cap of frangible but slightly resilient plastic material comprising a flat disc top adapted to extend across the opening in a bottle neck, an annular depending skirt integral therewith, and a plurality of relatively circumferentially spaced axially extending fins integral with and projecting radially from said skirt, the lower ends of said fins projecting beneath and radially inwardly from the lower edge of said skirt, said fins being of sufficient radial thickness that their lower ends may be resiliently radially expended without breaking sufficiently to pass over the usual retainer beading of a bottle neck during application of the cap to a bottle and will thereafter contract beneath said beading to maintain the cap in operative sealing relation on the bottle, and of such relatively smaller tangential thickness adjacent their juncture with said skirt as to be readily frangible in the zone of said juncture when subjected to excessive tangential deflection.

2,546,567
MACHINE FOR WINDING COILS FOR DYNAMOELECTRIC MACHINES
William Swift, Sutton Coldfield, and Ernest Mason, Quinton, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England
Application January 21, 1948, Serial No. 3,586
In Great Britain January 2, 1947
9 Claims. (Cl. 140—92.2)

1. In a machine for winding wire coils for dynamo-electric machines, the combination of a hollow rotary spindle, a chuck body mounted on one end of said spindle and provided at one side with a coil-former on which the wire required to form the coils can be coiled, a plurality of wire-retaining chuck jaws pivotally mounted on said chuck body, a rod slidably mounted in said hollow spindle, means on said rod for actuating said chuck jaws, means for imparting sliding movements in opposite directions to said rod, a pair of wire-gripper jaws carried on and situated at one side of said chuck body for enabling wire gripped



at one end by said wire-gripper jaws to be coiled on said coil-former during rotation of said spindle, a sleeve slidable on said spindle for actuating said wire-gripper jaws to cause the latter to release the end of the wire coiled on said coil-former and re-grip the wire at another position, means for imparting sliding movements in opposite directions to said sleeve, and a wire cutter associated with said wire-gripper jaws for cutting the wire during the re-gripping action of said wire-gripper jaws on the wire.

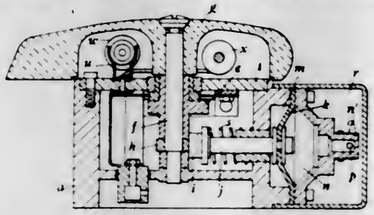
2,546,568
PROCESS FOR THE PRESERVATION OF COMESTIBLE MATERIALS
Lorenzo D. Taylor, Lewiston, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application January 11, 1945, Serial No. 572,421
9 Claims. (Cl. 99—150)

1. A process for the preservation of comestible materials of the non-cereal type and which normally contain high proportions of water whereby contaminating micro-organisms are eliminated without deleteriously affecting the taste, odor and nutritional value of the comestible material, which comprises treating the comestible material with chlorine dioxide.

2,546,569
ELECTRIC SWITCH
Ernest Harry Charles Thorpe, Kew Gardens, England, assignor to C. A. V. Limited, London, England
Application September 9, 1948, Serial No. 48,482
In Great Britain September 25, 1947
1 Claim. (Cl. 200—34)

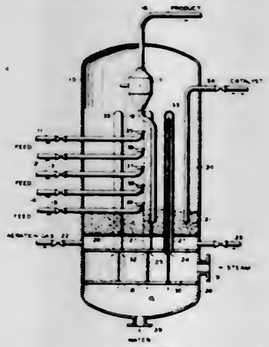
An electric switch of the kind specified, comprising the combination of a manually rotatable actuating spindle, a pair of cams on said spindle, at least one movable switch member operable by one of said cams in response to rotary movement of said spindle, an air chamber, a flexible diaphragm dividing said chamber into two compartments, a non-return outlet valve through which air from one of said compartments can flow freely under the action of said diaphragm, an inlet valve through which air can enter the last mentioned compartment at a controlled rate, a

plunger connected to said diaphragm, and at least one motion-transmitting lever arranged between one end of said plunger and the other of



said cams, so that said diaphragm is operable by the last mentioned cam and serves to effect return movement of said spindle to its initial position at a controlled rate.

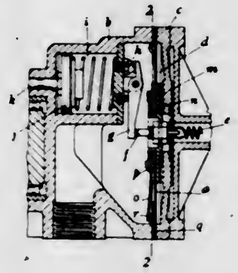
2,546,570
FLUIDIZED BED REACTOR
Frank P. Vance, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 15, 1948, Serial No. 60,071
9 Claims. (Cl. 260—449.6)



1. A process for catalytically treating gaseous reactant in a dense fluidized catalyst bed, which comprises introducing a gas to the bottom of a reaction zone containing a particulate fluidizable catalyst in only sufficient quantity to maintain the catalyst thereabove in a dense fluidized bed phase, introducing gaseous reactant to said reaction zone at at least one point above the bottom thereof at a sufficient rate to maintain the catalyst above the inlet zone in a less dense fluidized bed phase, and varying the depth of said less dense fluidized catalyst bed phase by varying the height of the reactant gas inlet zone and by introducing catalyst to the more dense phase when said depth is decreased and removing catalyst from said more dense phase when the depth is increased.

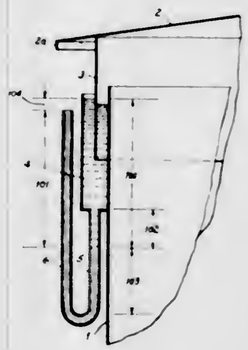
2,546,571
TEMPERATURE-COMPENSATED PRESSURE-RESPONSIVE DIAPHRAGM
Ernest Ansley Watson, Coventry, England, assignor to Joseph Lucas Limited, Birmingham, England
Application April 30, 1945, Serial No. 591,180
In Great Britain February 3, 1944
2 Claims. (Cl. 137—157)

1. Means for automatically compensating the effects of temperature changes on the pressure of fluid acting on one side of a spring-loaded diaphragm, comprising the combination with the diaphragm, a chamber which has a wall formed by said diaphragm and into which the fluid required to act on said diaphragm can be intro-



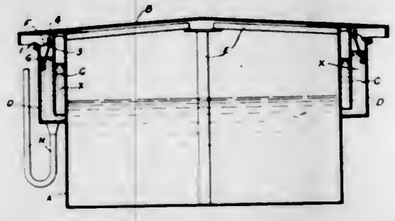
duced, and a loading spring attached to said diaphragm, of elastic thermally deformable bi-metal means arranged to act on said diaphragm so that increase in temperature of the fluid acting on said diaphragm causes said means to reduce the effect of said spring on said diaphragm.

2,546,572
LIQUID-SEALED LIFTER ROOF FOR FLUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application February 13, 1946, Serial No. 647,384
1 Claim. (Cl. 48—176)



A fluid storage apparatus, comprising a tank having a side wall portion, a vertically-movable roof provided with a depending side wall portion arranged in telescopic relationship with the tank side wall, a reservoir extending circumferentially around the tank side wall and adapted to contain a sealing liquid in which the depending side wall portion of the roof is immersed, and an inverted syphon drain for said reservoir formed by a vertically-disposed U-shaped member having a short leg attached to the bottom of said reservoir and a long leg whose upper end terminates at a point below the level of the sealing liquid in said reservoir, said short leg being of sufficient length to hold a column of sealing liquid of substantial depth arranged above a column of water.

2,546,573
LIQUID-SEALED LIFTER ROOF FOR FLUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application February 13, 1946, Serial No. 647,385
3 Claims. (Cl. 48—176)



1. A fluid storage apparatus, comprising a tank adapted to hold a fluid that is being stored and provided with a stationary side wall, a vertically-movable roof for said tank provided with a depending skirt arranged in telescopic relationship with the tank side wall, a reservoir provided with an outer wall that extends circumferentially around the tank side wall said reservoir being adapted to contain a liquid sealing medium that is separate and distinct from the stored fluid in the tank, the depending skirt on the roof being immersed in the liquid sealing medium in said reservoir, a flexible closure at the upper end of the reservoir attached at its outer edge to the outer wall of the reservoir and having its inner edge portion arranged in sliding engagement with the outer surface of the depending skirt on the roof and radially-movable carriers mounted on the outer wall reservoir and attached to said flexible closure for supporting the inner edge portion of same that is arranged in sliding engagement with the depending skirt on the roof.

2,546,574
SPRINKLER VALVE
Ralph R. Wilcox, Jr., Pasadena, Calif., assignor to C. B. Mulholland, Jr., South Pasadena, Calif.
Application June 3, 1946, Serial No. 673,912
2 Claims. (Cl. 299—61)

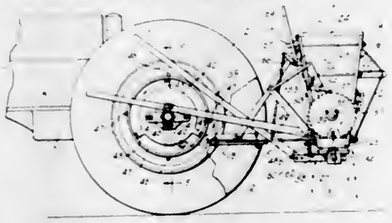


1. A sprinkler comprising: a tubular body having a water inlet at its lower end, a tubular plunger axially slidable in the body, said plunger being open at its top for receiving water under pressure from said inlet, a closure at the upper end of said plunger having an orifice for emission of water, a bushing detachably secured to the top of the body and forming a guide for the plunger, a head detachably secured to the plunger above said closure and so positioned as to provide a chamber between it and the closure, said head having lateral outlets open at the periphery of the head and in communication with said chamber, and a valve adjustably borne by said head and adjustable relative to and for opening and closing the orifice in said closure, for regulating the discharge of water through said outlets.

2,546,575
PROCESS FOR TREATING NONFIBROUS REGENERATED CELLULOSE
William M. Wooding, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 6, 1949, Serial No. 109,062
9 Claims. (Cl. 117—76)

1. A process for treating non-fibrous regenerated cellulose film comprising the steps of impregnating said film with an aqueous dispersion of an urea-formaldehyde polyfunctional aliphatic polyamine cationic resin and an aqueous solution of a plasticizing agent, removing the film, drying the film, and applying thereto a water repellent topcoat.

2,546,576
TRACTOR PHOSPHATE AND LIME DISTRIBUTOR
Samuel Wonenberg, Buhl, Idaho
Application July 25, 1947, Serial No. 763,676
4 Claims. (Cl. 275—9)

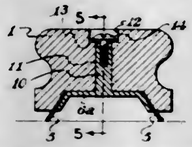


1. A spreading apparatus for granular material comprising a hopper, means securing said hopper to a tractor frame, the bottom of said hopper being open, a plate member underlying said open bottom, means rockably supporting said plate member, a shaft journaled in said hopper, an agitating structure mounted on said shaft, a disc member secured to one of the rear axles of the tractor, a pair of spaced rings carried by said disc member concentrically therewith, a plurality of pairs of bar elements of unequal length connecting the peripheries of said rings, a first lever member engaging said bar elements, means securing said first lever member to the plate member, a second lever member pivoted to the hopper and engaging the pairs of bar elements of greater length, pawl and ratchet means positioned exteriorly of said hopper and operatively connected to said shaft, and connecting linkage means operatively connecting said second lever member to said pawl and ratchet means to rotate said shaft in response to the movement of said second lever member, whereby said plate member will be rocked and said shaft will be rotated simultaneously responsive to movement of the tractor.

2,546,577
MEAT BLOCK SCRAPER
Walter S. Young, Tulsa, Okla.
Application December 4, 1947, Serial No. 789,578
1 Claim. (Cl. 15—236)

A scraping tool comprising an elongated handle member, said handle member having its under side provided with a channel, opposite sides of said channel diverging downwardly and outwardly, a clamping member within the channel and conforming to the shape of the handle member channel, said clamping member comprising a plate, opposite sides of said plate being formed

with downwardly diverging flanges, said clamping member having spaced upwardly extending integral studs extending through apertures in the



handle member, and headed screws disposed in counter-bores in the handle member above the apertures and threaded into the upwardly extending studs.

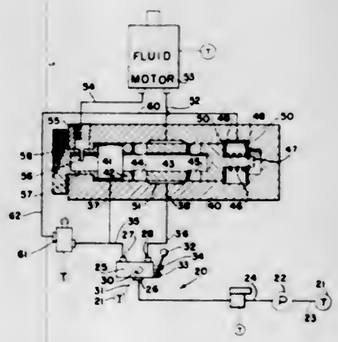
2,546,578
CLOTHESLINE PROP
Samuel Zoppelt, Berea, Ohio, assignor to Rop-Loc Products Co., Cleveland, Ohio, a partnership
Application May 31, 1946, Serial No. 673,259
2 Claims. (Cl. 248—353)



1. A clothes-line prop having its upper end provided with a substantially U-shaped slot comprising two substantially straight sides and an intermediate curved portion connecting the two sides thereof, the edges of the two sides of said slot being substantially straight and parallel to each other and extending upwardly and backwardly at an angle approximately forty-five degrees to the longitudinal axis of the prop, one end of the slot opening downwardly and outwardly at one edge of the prop and the other end of the slot being closed, the sides of said slot being separated by a rigid tongue-like part extending inwardly and upwardly and having its end edge curved substantially the same as the oppositely disposed edge of the intermediate curved part of the U-shaped slot and having its side edges substantially parallel with and equidistant from the edges of the two sides of said U-shaped slot, and said slot being of substantially uniform width throughout, whereby said tongue-like part is adapted to form a trap for the clothes-line after it has entered the open end of the U-shaped slot and passed into the end of the closed side of the U-shaped slot.

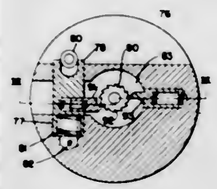
2,546,579
FLUID MOTOR CONTROL MECHANISM
Cecil E. Adams and Ellis H. Born, Columbus, Ohio, assignors to The Denison Engineering Company, Columbus, Ohio
Application August 13, 1946, Serial No. 690,184
8 Claims. (Cl. 121—38)

1. In a hydraulic system, a source of fluid pressure; a reversible fluid motor; a reversing valve having inlet, work, and exhaust ports; fluid conducting means connecting said inlet port with said fluid pressure source and said work ports with said fluid motor, said reversing valve being operative to alternately connect said work ports with said inlet and exhaust ports; orifice means disposed in a fluid conductor between said reversing valve and said fluid motor, said orifice



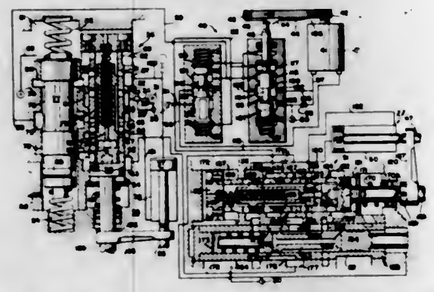
means creating pressure differentials in said conductor when fluid flows in either direction therethrough; valve means for controlling communication between the fluid conductors connected with said work ports; and passage means for applying the pressure differentials to said valve means to effect controlled communication between the fluid conductors irrespective of the direction of fluid flow through said orifice means.

2,546,580
HYDRAULIC APPARATUS
Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application March 29, 1947, Serial No. 738,128
13 Claims. (Cl. 121—7)



1. In a hydraulic system, a source of fluid pressure; a power unit having a cylinder and piston; flow control means between said pressure source and said power unit to cause the reciprocation of said piston; an automatic reversing valve in said flow control means, said reversing valve being operative to cause repeated reciprocations of said piston through strokes of lengths less than the normal stroke length thereof; a shaft projecting from and journalled in said piston; and pressure responsive means in said piston for imparting intermittent rotary movement to said shaft, said pressure responsive means being operated when fluid pressure is applied to one end of said piston to move the same in one direction.

2,546,581
HYDRAULIC APPARATUS
Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application July 18, 1947, Serial No. 761,973
18 Claims. (Cl. 60—52)



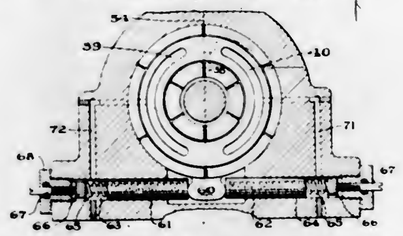
1. In a hydraulic system, a source of fluid pressure; a plurality of fluid motors; a control valve mechanism for each of said motors, means connecting said control valve mechanisms in series in said system so that each succeeding valve mechanism receives fluid from the preceding one; means in each valve mechanism being operative upon the conclusion of a cycle of operation by the motor controlled thereby, to direct fluid to the next succeeding valve mechanism, the final valve mechanism directing fluid back to the first valve mechanism in such series to initiate operation of the fluid motor controlled thereby.

2,546,582
CASING CENTRALIZER
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application March 1, 1948, Serial No. 12,263
3 Claims. (Cl. 166—4)



1. A centering device; including a pair of spaced, generally cylindrical members, said members having circumferentially continuous inner ends facing each other and also having circularly spaced slots longitudinally spaced away from said inner ends; outwardly bowed springs extending between said members, the ends of said springs being disposed over the inner ends of said members and extending into said slots, at which points they are secured to said members; and stop means disposed between and engageable with said inner ends of said members.

2,546,583
HYDRAULIC APPARATUS
Ellis H. Born, Bexley, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application February 10, 1945, Serial No. 577,290
17 Claims. (Cl. 103—162)



1. A fluid pressure energy translating device comprising a casing having a chamber; a head with inlet and outlet ports at one end of said chamber; a valve disk disposed in engagement with said head and having limited rotary motion relative thereto, said disk having a pair of arcuately-shaped ports spaced on opposite sides of a plane normal to a face of said disk passing through the axial center thereof, said ports communicating with said inlet and outlet ports; a member on said head for limiting the rotary movement of said disk; a cylinder barrel having one end in engagement with said disk, initial rotation of said cylinder barrel in either direction serving to move said valve disk in the same direction to the degree limited by said member; piston means disposed for movement in said cylinder barrel; a cam plate at the end of said cylinder barrel to control the movement of said pistons, said cam plate having a cam surface with points at which the direction of movement of said pistons is reversed, the rotary movement of said valve serving to change the relation of the arcuately-shaped ports therein to the piston reversing points on said cam surface.

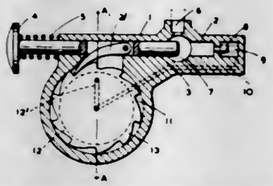
2,546,584
SALES BLANK
Henry Y. Brock, Jr., Baltimore, Md., assignor to The Baltimore Salesbook Company, Baltimore, Md., a corporation of Maryland
Application June 26, 1947, Serial No. 757,239
2 Claims. (Cl. 282—9)



1. Sales blanks comprising, in combination: a set of leaves arranged for carbon copy production; the upper ends of two leaves of said set secured together with the upper edge of the uppermost thereof spaced below the upper edge of the lowermost thereof to expose a portion of

each for receipt of identifying data in duplicate, on the two leaves; and adhesive securing means between said two edges providing ready separation thereof and forming the sole connection between the two.

2,546,585
GREASE PUMP
Harry Balshaw Caldwell, Penketh, England, assignor to Electro-Hydraulics Limited, Warrington, England, a company of Great Britain
Application September 9, 1948, Serial No. 48,351
In Great Britain August 20, 1947
5 Claims. (Cl. 184—35)



1. A grease pump the outlet of which is adapted to be connected in a pre-determined sequence to each of a number of pipe lines leading to the parts to be lubricated, and comprising a pump body, a lubricant receiving cylinder within said pump body, a piston and piston rod slidable in said cylinder, the piston rod extending externally of the pump body to form means for actuating the piston, a valved outlet from said cylinder, a rotatable pipe line selector, within the pump body, and communicating with said cylinder, a number of pipe lines, a ratchet mechanism fast with the selector and within the pump body, a pawl pivotally mounted for actuation by said piston rod for engagement with said ratchet mechanism, so as positively to move the selector, step by step, a pre-determined distance governed by said pawl and ratchet mechanism to place the selector outlet successively in communication with one of the pipe lines, leading to the parts to be lubricated, so that lubricant is forced into each pipe line in turn.

2,546,586
CORROSION PREVENTION
Walter M. Cross, Jr., Kansas City, Mo., assignor to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri
No Drawing. Application January 28, 1946, Serial No. 643,967
8 Claims. (Cl. 166—21)

3. The method of preventing corrosion of metal by corrosive liquids which comprises bringing said liquids into contact with a slightly soluble solid material consisting essentially of an inorganic slightly soluble acid neutralizing material and an inorganic hydrosetting cementitious binding material, said solid material being in the form of pellets in which said acid neutralizing material is uniformly distributed, the acid neutralizing material being effective to produce a pH of at least 8 when said pellets are added to water.

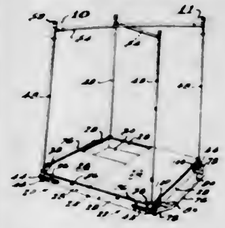
2,546,587
RACK
Alan G. Eisenberg, Baltimore, Md.
Application April 16, 1947, Serial No. 741,736
1 Claim. (Cl. 211—75)

A unitary, metal rack assembly for holding spice cans and the like, comprising an elongated back panel made of sheet metal having longitudinally spaced screw openings near its upper edge whereby it may be secured to a cabinet door or wall; a frame member formed of a single continuous piece of bent wire, said frame member comprising a pair of vertically spaced ⌊⌋-shaped and parallel rack frame members with vertical



runs connecting the rear ends of the legs of the respective ⌊⌋-shaped frame members and welded to the back plate; and at least two bottom frame elements consisting of laterally spaced and substantially parallel runs of wire extending between and spot-welded to the bottom side of the opposite legs of the lower ⌊⌋-shaped frame member.

2,546,588
FISHING SHELTER OR THE LIKE
John H. Ellis, Detroit, Mich.
Application April 29, 1946, Serial No. 665,727
9 Claims. (Cl. 280—20)



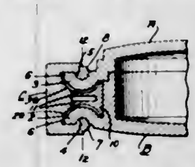
5. A collapsible and portable fishing shelter comprising a floor structure; pivot supports on opposite sides of said floor structure; a pair of ice runners each having lateral supporting arms and each of said arms provided with a socket which opens through the end and one side thereof, said sockets fitting downwardly over respective pivot supports; and pivot pins attaching the arms to the pivot supports, whereby the runners are freely swingable downwardly from a horizontal position to support the floor structure but are restrained against upward movement by the top walls of said sockets which bear downwardly on the pivot supports.

2,546,589
CORD HOLDER
Samuel E. Felts, La Verne, Calif.
Application January 7, 1949, Serial No. 69,662
2 Claims. (Cl. 248—51)



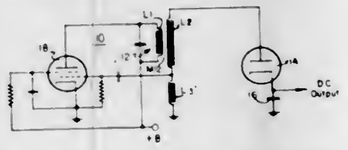
1. In an ironing cord holder adapted for engagement to an ironing board, a base comprising a flat body portion and a flange at one end of the latter forming a right angle with the body portion, means to attach said base to an ironing board with said flange projecting upwardly, an angle pivoted to said flange, a standard mounted upon said angle for pivotal movement with the latter from a position parallel to the board to a position forming substantially a right angle with the board, means carried by the outer end of said standard to engage the ironing cord, said angle being formed with a pair of notches in one edge thereof, and a spring wire connected to said base for selective engagement with said notches when said standard is in its extreme positions, respectively.

2,546,590
HINGE STRUCTURE
Clyde B. Ferrel, San Francisco, Calif.
Application October 10, 1947, Serial No. 779,168
4 Claims. (Cl. 16—128)



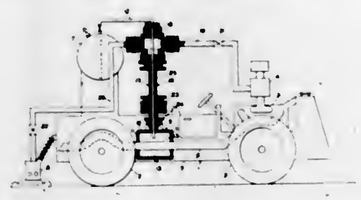
1. A hinge for pivotally connecting two members comprising an elongated hinge connector having two, spaced, parallel, grooves semi-circular in cross sectional contour formed therein and extending longitudinally thereof in side by side relationship from end to end thereof with their concave sides facing oppositely outwardly, a pair of pintle pins integral with said connector and respectively spaced from the open side of each groove and extending parallel therewith, the side of each pintle pin being convexly curved in cross sectional contour on its side facing the groove adjacent thereto about the same radius as that of said groove, an elongated lug extending outwardly from each member to be connected having a cross sectional contour corresponding on two opposite sides with the concave and convex cross sectional contour respectively of each of said grooves and the pintle pin adjacent thereto for sliding of said lugs endwise into the space between said pintle pins and the groove adjacent thereto from one of the ends of each groove, and means releasable from said connector for securing said lugs against endwise removal from said grooves after their insertion into the latter.

2,546,591
HIGH-VOLTAGE POWER SUPPLY
Robertson R. Gannaway, Oak Park, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 785,379
4 Claims. (Cl. 250—36)



1. An oscillator for providing high voltage oscillations including in combination, oscillator tube means having input and output electrodes, a step-up transformer having primary and secondary windings in inductive relation with each other, a circuit including said primary winding connected across said output electrodes of said oscillator tube means so that when said tube means is rendered conducting a high voltage is induced in said secondary winding, a feedback coil in non-inductive relation with said transformer windings, a closed output circuit including said secondary winding and said feedback coil with said feedback coil being connected between one end of said secondary winding and a low potential point, and a feedback circuit connected to said feedback coil and to said input electrodes of said oscillator tube means for applying the feedback voltage developed across said feedback coil to said input electrodes, said feedback voltage sustaining oscillations in said oscillator tube means.

2,546,592
MOBILE WEED BURNER SYSTEM
Owen L. Garretson and Alvin W. Peck, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 29, 1945, Serial No. 638,407
1 Claim. (Cl. 126—271.2)

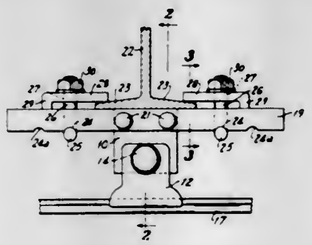


In a mobile weed burning system including an internal combustion engine power plant and a weed burner, a heat exchange system for vaporizing liquefied petroleum gas as fuel for said internal combustion engine and said weed burner, comprising in combination an exhaust pipe extending from said internal combustion engine; a jacket surrounding at least a portion of said exhaust pipe and closed thereon so as to form an enclosed vaporizer chamber therebetween; a liquefied petroleum gas storage tank; liquefied petroleum gas conduit means extending from the lower extremity of said storage tank to said vaporizer chamber; a manifold chamber surrounding said liquefied petroleum gas conduit means and spaced from said vaporizer chamber; a vapor conduit, surrounding said liquefied petroleum gas conduit means so as to form a gas passage therebetween, extending from said vaporizer to said manifold chamber; and outlet conduits extending from said manifold chamber for connection to said internal combustion engine and said weed burner.

2,546,593
COMBINATION HANGER AND CLAMP FOR SUPPORTING ELECTRICAL CONDUCTORS
Albert H. Genter, Mount Lebanon, Pa.
Application January 12, 1949, Serial No. 70,408
2 Claims. (Cl. 174—163)

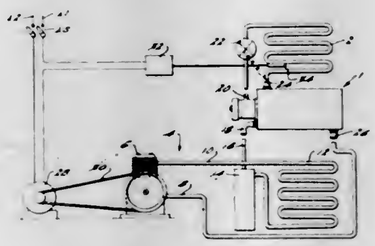
1. In a hanger clamp for suspending an electric conductor from an overhead support which is provided adjacent its lower surface with opposed lateral flanges, the combination of a block formed of dielectric material having parallel sides, a pair of elongated parallel metal bars in spaced relation to each other fixedly secured to the opposite sides of said block and extending beyond

the opposite ends of the block, said bars being arranged to fit up against the bottom of the flanges of the overhead support, T-bolts having portions arranged to engage aligned pairs of notches in the bottom edges of said bars and having their stems extending up between said bars, clamp plates having holes through which the stems of said T-bolts extend upwardly, said clamp plates arranged to overlap the edges of the flanges of the overhead support and nuts arranged to be screwed down against the said plates



to force said plates into engagement with said flanges, and means secured to and depending from the lower portion of the dielectric block for engaging the electric conductor, said means being spaced sufficiently from the metal bars to insulate the electric conductor from said bars, there being provided a plurality of spaced apart pairs of said notches to be selectively engaged by said bolts and thus enable the hanger clamp to be secured to overhead supports of different overall width.

2,546,594
APPARATUS FOR REMOVING MOISTURE IN A REFRIGERATING SYSTEM
John E. Gray, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application April 15, 1948, Serial No. 21,133
4 Claims. (Cl. 62—115)



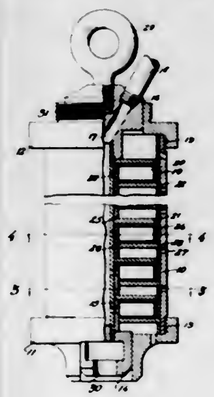
1. A combined drier and heat exchanger for a refrigerating system having liquid and a vapor conveying conduit comprising, a casing having a chamber for fluid with an inlet thereto and an outlet therefrom adapted to be interposed in the path of flow of the vapor in said vapor conduit, a container located within said chamber and in heat exchange relation with the fluid in said chamber and having an inlet and an outlet, a quantity of liquid collecting material in said container, said container being adapted to be interposed in the path of flow of the liquid in said liquid conduit.

2,546,595
SOCK AND STOCKING STRETCHER AND DRIER
Albert Assad Haddad, Leaside, Ontario, Canada
Application August 2, 1948, Serial No. 41,917
In Canada October 6, 1947
1 Claim. (Cl. 223—77)



In a sock and stocking stretcher and drier, a frame having the contour of a sock or stocking, said frame comprising a pair of wire members pivotally connected together at their lower end, the upper ends of each of said members being free, the upper end portion of one of said wire members being bent to extend inward horizontally a short distance and then extend vertically upward, terminating in a hook portion, the other of said wire members having its upper end portion bent to extend inward horizontally and being provided with a plurality of notches adapted to receive the said vertical end portion of the first mentioned of said wire members for adjustably securing said frame in its desired position with respect to the width of the stocking being dried thereon.

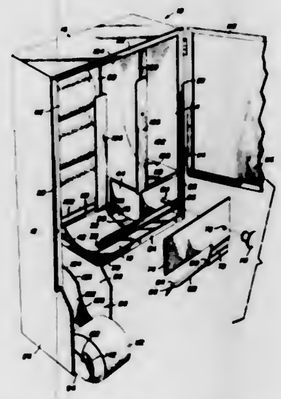
2,546,596
PORTABLE OR STATIONARY MULTIPLE AIR JACK
David Terrell Haines, Sr., Dallas, Tex.
Application June 17, 1946, Serial No. 677,284
4 Claims. (Cl. 121—38)



4. In a multiple air unit jack, the combination which comprises a cylindrical casing 10 having spaced outlet openings 27 therethrough and having threaded ends 13, heads 11 and 12 having

centrally disposed hubs with longitudinally extended bores therethrough threaded on the opposite ends of the casing, pistons 14 and 16 positioned in the bores of the said heads, a centrally disposed tube 15 having spaced openings 28 through the walls thereof positioned in the casing 10 and on the ends of which the said pistons are mounted, a plurality of spacing collars 24 positioned on the inner surface of the casing, a plurality of spaced annular plates 21 carried by the said centrally disposed tube, extended outwardly therefrom and positioned with the peripheries thereof in sliding engagement with the inner peripheral surfaces of the spacing collars 24, spacing collars 26 mounted on the tube 15 and positioned between the plates 21, a plurality of spaced complementary annular plates 22 mounted on the inner peripheral surface of the cylindrical casing positioned between the said spacing collars 24 of the casing 10 and extended inwardly with centrally disposed bores thereof in slidable engagement with the said spacing collars on the centrally disposed tube and positioned to coact with the plates 21 of the tube to expand the jack longitudinally as fluid under pressure is supplied to areas between the plates, said plates 22 mounted on the cylinder 10 being positioned between the plates 21 carried by the said centrally disposed tube 15, the said spaced openings 28 of the centrally disposed tube being positioned on one side of the plates carried by the tube 15 and the outlet openings 27 in the cylindrical casing 10 being positioned on the opposite sides of the said plates 21 carried by the tube, and a fluid supply connection positioned in a hub at one end of the centrally disposed tube and communicating with the interior of the tube.

2,546,597
DISPENSER FOR TOILET PAPER
Herbert H. Harris, Sacramento, Calif.
Application September 23, 1948, Serial No. 50,855
8 Claims. (Cl. 312—47)



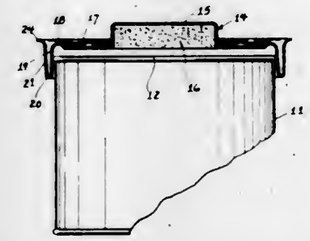
1. A dispenser for rolls of paper comprising a housing, a compartment provided in said housing, a delivery trough adapted to receive rolls of paper from said compartment, a discharge chute, means mounted in said discharge chute adapted to support rolls of paper, means for releasing said last mentioned means whereby a roll of paper will enter said chute, and means supporting said releasing means and constituting a means for urging rolls of paper from the trough into the chute.

2,546,598
DAYLIGHT DEVELOPING TANK FOR ROLL FILM
Leonard H. Harrison, Union City, N. J.
Application June 24, 1949, Serial No. 101,166
1 Claim. (Cl. 95—90.5)



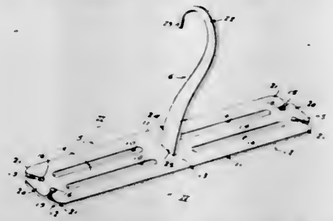
A device for developing film, comprising a bottom wall, end walls projecting from said bottom wall and secured thereto, a pair of spaced side walls projecting from said bottom wall and secured thereto, said side walls being of arcuate formation with their convex faces facing inwardly, a cover hingedly connected to one of said side walls, a first body member secured to the inner surface of said end and side walls and arranged adjacent the upper ends thereof, a second body member secured to the inner surface of said cover and coacting with said first body member to provide a fluidtight seal when the cover is closed on said tank, inlet means on said cover for filling said tank with fluid, outlet means for discharging fluid from said tank, a latch for preventing accidental opening of said cover, a pair of blocks secured to the inner surface of said bottom wall, said blocks being tapered to define a well intermediate the ends of said tank, a pair of spaced coacting posts adjustably supported by each of said blocks for supporting a roll of film in said tank, said dowel posts having a lower vertical section and an upper inclined section to facilitate the insertion of the film between said posts.

2,546,599
TOBACCO CAN HUMIDOR COVER
Edward C. Hicks, Peekskill, N. Y.
Application May 21, 1947, Serial No. 749,573
2 Claims. (Cl. 312—31.1)



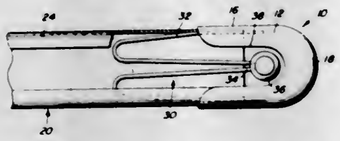
1. A humidor cover of the character described comprising a substantially circular body member provided at its central portion with a hollow, downwardly facing boss, a mass of molded humidifying material inside said boss, and a relatively flexible periphery provided on said body member, said periphery including a depending, flexible, annular, downwardly tapered hollow rib adapted to fit either over the top bead of a standard one-half pound can or inside the inclosure flange of a standard one pound can, an annular, flexible corrugation located inwardly of said rib, the flexibility of said corrugation preventing the transmission of strains from the periphery inwardly to the hollow boss, whereby said mass of humidifying material is insulated from such strains.

2,546,600
GARMENT HANGER
Victor Holden, Buffalo, N. Y.
Application February 12, 1948, Serial No. 7,927
3 Claims. (Cl. 223—85)



1. A garment hanger comprising a substantially horizontally arranged one-piece body part, and a separate vertically arranged one-piece hook part for suspending said body part, means for detachably securing said body part to said hook part at substantially right angles to each other, said body part being formed with a plurality of spaced slots closed at both ends and having substantially parallel sides for freely suspending the articles being dried in non-clamping manner, said slots being arranged parallel to each other in a substantially horizontal plane and spaced symmetrically about said hook part.

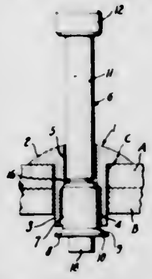
2,546,601
ATTACHMENT FOR CURTAIN OR DRAPERY RODS
Edward J. Husarik, Everett, Wash.
Application September 14, 1949, Serial No. 115,601
4 Claims. (Cl. 223—105)



1. A curtain rod pilot comprising a housing open at one end for slidingly receiving an end of a curtain rod, and a substantially W-shaped spring member received within and secured at its central apex to said housing adapted for yieldingly engaging a curtain rod received within said housing, the spring member having ends extending in smoothly diverging relation into said housing, said housing having front and rear faces, a portion of said rear face being inturned to form an eyelet, said spring member surrounding and being secured to said eyelet, and said front face being cut away for permitting the insertion of a finger.

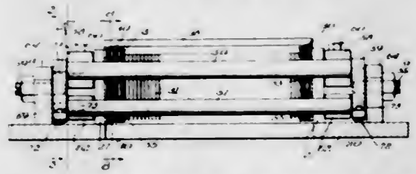
2,546,602
RIVET WITH SELF-LOCKING MANDREL
Herbert J. Keating, Pasadena, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application May 14, 1945, Serial No. 593,666
2 Claims. (Cl. 85—40)

1. A blind rivet assembly for use in aligned holes in a pair of work pieces, the outermost workpiece being of a predetermined thickness, comprising a rivet body having a head and a shank, the shank adapted to be inserted through the aligned workpiece holes, a bore extending longitudinally through the rivet body, said bore having that portion of its length adjacent the head formed with a smaller diameter than the remaining portions of said bore, said smaller diameter portion having a length along the shank substantially equal to the thickness of the outer workpiece with which it is to be used, a mandrel in said bore having a portion of its length disposed toward the head of the body formed upon a diameter smaller than the smaller bore diameter of the rivet body, and a second portion of the mandrel having a greater diameter than the first mentioned portion of the bore and smaller



than the remaining portions of the bore, the mandrel having an upsetting head larger than the greatest diameter of the bore disposed further away from the body head for engaging and upsetting the end of the shank, the upsetting head comprising a deformable skirt and being so shaped that it first upsets the end of the shank of the rivet body and then expands the greater diameter portion of the bore against the wall of the opening of one of the workpieces and being of less length than the other workpiece so that it lies entirely within that portion of the bore adjacent the other workpiece.

2,546,603
METHOD OF ORNAMENTING COIL SPRING WRISTBANDS
Leroy H. Knibb, Chicago, Ill.
Application December 7, 1948, Serial No. 63,908
2 Claims. (Cl. 51—281)



1. That improvement in ornamenting a preformed coil of resilient wire, which comprises: stretching the coil to spread apart the convolutions, supporting the convolutions of the coil, deflecting while the coil is stretched a group of convolutions into a different plane from another group, and forming lines of recesses in one group of convolutions while the coil is stretched.

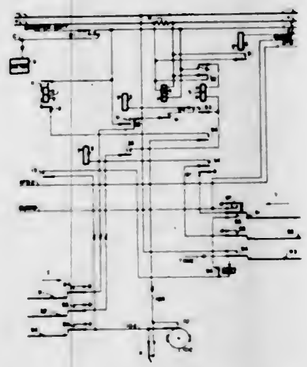
2,546,604
TRAIL CART
Albert F. J. Lafky, Longview, Wash.
Application May 13, 1948, Serial No. 26,821
6 Claims. (Cl. 296—20)

1. A collapsible trail cart comprising a ground contacting wheel having an axle extending on each side thereof, a pair of legs pivoted on each end of the axle so as to be alternatively upwardly divergent in operative position and parallel in collapsed position, transverse members on the ends of the legs remote from said axle, side bars having hinge joints at the center and carried by said transverse members, and means to



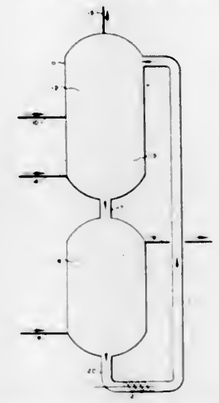
retain the articulated parts of each side bar in colinear relation, the hinge joints approaching the axle when the cart is collapsed and the legs and side bars being proportioned so that the wheel is exposed and the cart is in the general form of a wheelbarrow when collapsed.

2,546,605
MEASURED SERVICE TELEPHONE SYSTEM
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 12, 1947, Serial No. 728,185
6 Claims. (Cl. 179—7.1)



5. In a telephone system in which connections are established between calling and called lines, a meter associated with each calling line, and meter control equipment included in a connection established between a calling and a called line comprising an impulse sender for transmitting impulses, a timer device, a pair of cam springs operated by said timer device at pre-determined times of the day, a traffic relay controlled by the traffic conditions of the system, a pair of relay springs operated by said traffic relay, and a circuit means including said operated cam springs and said operated relay springs connected in series for transmitting said impulses to the said meter of said calling line to cause intermittent operation of said meter.

2,546,606
SYNTHESIS GAS PREPARATION
Bertrand J. Mayland, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 10, 1948, Serial No. 26,161
5 Claims. (Cl. 252—373)

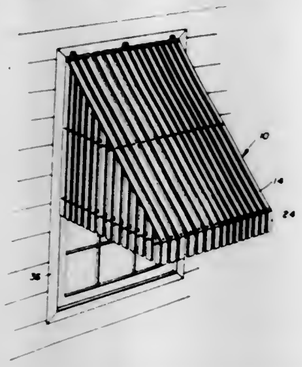


1. An improved process for the preparation of synthesis gas containing carbon monoxide and hydrogen in a mol ratio of 1:2, which comprises burning a mixture of methane and air in an upper portion of a pebble heating zone and thereby heating pebbles passing downwardly therethrough to a temperature up to about 2500° F., introducing methane to a lower portion of said pebble heating zone and cracking same therein by contacting with the heated pebbles in such a manner that carbon is deposited upon said pebbles and the temperature of said pebbles is reduced to within a range of about 1700 to 1900° F., passing hydrogen formed by said cracking countercurrent to the flow of said pebbles and mixing and burning same with said mixture of methane and air in said upper portion of said pebble heating zone to supply additional heat to said pebbles, passing said heated pebbles upon which carbon is deposited to a reforming zone wherein they are contacted countercurrently with a mixture of methane and steam in a mol ratio of carbon to methane to steam of 1:1:2 and under such conditions as to form carbon monoxide and hydrogen synthesis gas in a mol ratio of 1:2 by the interreaction of said carbon, said steam and said methane, said reaction cooling said pebbles to about 500° F., removing said pebbles from the bottom of said reforming zone and recycling same to the top of said pebble heating zone, and recovering carbon monoxide and hydrogen synthesis gas effluent from said reforming zone as a product of the process.

2,546,607
WINDOW AWNING
John C. Mead, Osborn, Ohio
Application May 6, 1947, Serial No. 746,403
2 Claims. (Cl. 20—57.5)

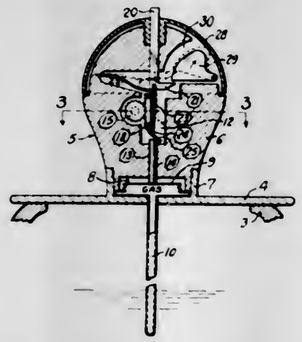
1. An awning comprising a forwardly and downwardly inclined front section including a plurality of laterally spaced, parallel coplanar slats, the lower ends of said slats being angulated to provide vertical extensions, end sections including a plurality of vertically disposed spaced parallel slats, the lower ends of said end sections being coplanar with the lower extremities of the

vertical extensions, a transverse member secured to the under side of the upper end of the front section slats, means detachably securing the end sections to the front sections, and bracket means detachably securing said front section member



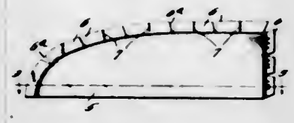
to a building, said front section including a plurality of adjacent sections, lateral supporting members secured to the undersurfaces of the slats of each section, means for directly and detachably securing the ends of said members to each other.

2,546,608
ALARM MEANS FOR LIQUID TEMPERATURES
William E. Melick, Newark, Ohio
Application August 27, 1949, Serial No. 112,673
6 Claims. (Cl. 116—102)



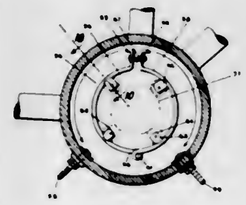
1. In a device having a container in which a liquid is heated, a resonant member, a striker for said member, a reciprocatory element manually movable in one direction, a spring for quickly moving said element in the opposite direction and causing it to move the striker to member striking position, a stationary catch, a spring catch carried by said element and engageable with said stationary catch to releasably hold the element in retracted position against the tension of its spring, and means responsive to temperature changes in the liquid in said container to release said spring catch from said stationary catch and permit a spring actuated movement of said reciprocatory element when the temperature of the liquid in the container has been raised a predetermined extent.

2,546,609
GLARE SHIELD FOR AUTOMOBILES
Harold W. Morris, Bozeman, Mont.
Application February 17, 1950, Serial No. 144,705
2 Claims. (Cl. 296—97)



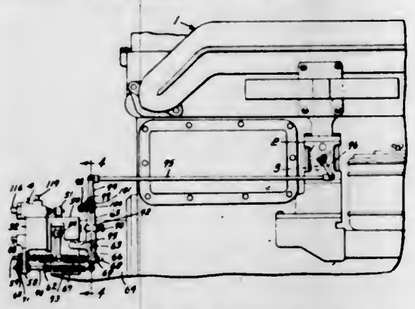
1. A glare shield for automobile windows comprising a flat sheet of tinted plastic material of generally rectangular shape having one curved longitudinal edge, a marginal flange integrally united with the curved edge of said sheet, notches dividing said flange into sections to facilitate bending the flange out of the plane of the sheet and fastener holes in said flange located at longitudinally spaced intervals for securing said sheet to the frame of the window.

2,546,610
SWITCH SIGNALING MEANS
George Pacurar, Montreal, Quebec, Canada
Application June 19, 1948, Serial No. 33,957
In Canada September 17, 1947
1 Claim. (Cl. 200—52)



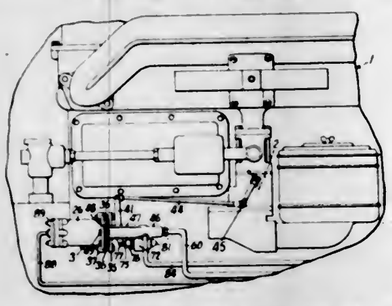
In a switch signalling means, a switch accommodated in a crank housing and being mounted on a crank axle extending through the housing, said switch comprising a pair of arcuate shaped bands connected together by hinged portions, a pair of spaced apart lugs formed on each of said bands and extending inward therefrom, rollers rotatably mounted between each of said pair of lugs and contacting the crank axle, an outwardly turned flange formed at the free end of each of said bands, a tension spring located between the said flanges of said bands and secured thereto, connecting the said flanges together in spaced apart relation, the said tension spring adapting said bands to be tensioned towards the crank axle thus maintaining the said rollers in direct frictional engagement with the crank axle and adapting the bands to turn on the crank axle while providing sufficient friction with respect to the same to tend to turn therewith, and a pair of spaced apart contact points fixedly secured on the inside face of the crank housing, one of which being contacted by the said flange on one of said bands and the other of said contact points being contacted by the flange on the other of the bands, upon rearward or forward motion respectively of the aforesaid crank axle.

2,546,611
SPEED REGULATING MECHANISM
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 15, 1944, Serial No. 568,384
27 Claims. (Cl. 230—5)



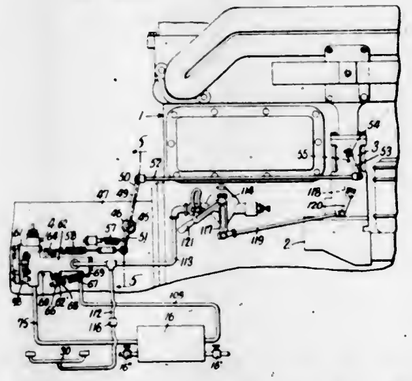
1. A speed regulating mechanism for an engine driven compressor comprising, in combination, means for controlling the supply of operating fluid to the engine, a speed governor for urging said controlling means in a direction to reduce the supply of operating fluid, means for yieldably resisting the action of said speed governor, means responsive to compressor discharge pressure for varying the resistance offered by said yieldable means progressively to reduce such resistance as compressor discharge pressure increases between predetermined limits, means for subjecting said pressure responsive means continuously to compressor discharge pressure, other pressure responsive means for actuating said controlling means in a direction to reduce the supply of operating fluid, and means for supplying compressor discharge pressure to said last mentioned pressure responsive means automatically only when the discharge pressure reaches a predetermined maximum value.

2,546,612
COMPRESSOR REGULATOR
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 20, 1945, Serial No. 623,487
12 Claims. (Cl. 230—3)



1. A regulating mechanism for an engine driven compressor comprising, in combination, a control member, means operatively connecting said control member to a fuel regulating means for the engine, a pair of pressure responsive devices connected to said control member and each operative by pressure fluid supplied thereto to move said control member about its connection with the other in a direction to effect a reduction of fuel supply to the engine, means for subjecting continuously one of said pressure responsive devices to the pressures in a receiver connected to the compressor, and means for controlling the pressure acting on the other of said pressure responsive devices including a valve member movable by said one of said pressure responsive devices for controlling and a passage for operating fluid for the other of said pressure responsive devices extending between the latter and said valve member.

2,546,613
CONTROLLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 1, 1946, Serial No. 680,671
31 Claims. (Cl. 230—5)

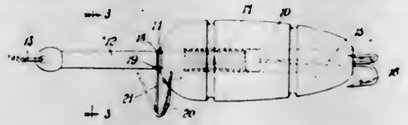


1. A regulating mechanism for an engine driven compressor having fluid actuated unloading means for the compressor and fuel regulating means for the engine, said regulating mechanism comprising, in combination, a control member, means operatively connecting said control member to the fuel regulating means for the engine, a pressure responsive device connected to said control member and operable by pressure fluid supplied thereto for actuating said control member to effect a reduction in fuel supply to the engine, means for supplying fluid discharged by the compressor to act continuously on said pressure responsive device in one direction, means for subjecting said pressure responsive device to a substantially uniform fluid pressure above atmospheric acting oppositely to compressor discharge pressure, and valve means controlled by said pressure responsive device and operating to control the supply of actuating fluid to the compressor unloading means.

2,546,614
FISHING LURE
Thomas G. Prentice, Detroit, Mich.
Application January 10, 1950, Serial No. 137,770
2 Claims. (Cl. 43—35)

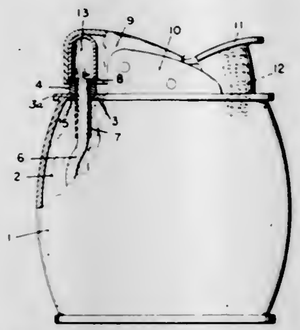
1. In a fishing lure, a rod adapted for line attachment at its front end, a barbed hook having an elongated shank linked to the rear end of said rod, a tubular body slidable longitudinally over said rod and said shank, a spring urging said body forwardly of said rod, stop means on said rod, and latch means for engaging said stop

means in a position of partial rearward adjustment on said body wherein the rear end of said body is in close but spaced relation to the barbs of said hook, said latch means comprising a U-shaped spring member having one leg attached



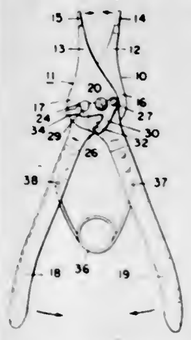
to said body and the other leg positioned to be manually pressed into engagement with said stop means, said last-mentioned leg being proportioned for release by the further rearward movement of said body toward said barbs.

2,546,615
LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application September 26, 1947, Serial No. 776,187
2 Claims. (Cl. 67—7)



1. In a pyrophoric lighter and in combination, said lighter including a wick and means to ignite said wick, a fuel tank supplying fuel to said wick, a top for the tank having an aperture, a wick supporting member in said aperture having a wick passage and a radially enlarged top protruding upwardly out of said tank, a wick tube disposed in said passage surrounding said wick and with a leak-proof fit between said tube and wick supporting member, said tube extending for a distance into the tank which is sufficient to present the bottom of the wick to the fuel in the tank, said wick tube having a flared out top portion which is first positioned slightly above the top of the wick supporting member, a snuffer pivotally mounted on the top of the tank having a lower edge adapted to descend around the wick upon said flared out portion of the tube and over said enlarged top when the snuffer is closed, said snuffer operating when closing during one of the first several operations of the lighter to make an impression on said flared out top portion of the wick tube and to cause it to conform substantially to the contour of the lower edge of said snuffer and said enlarged top of the wick supporting member, thereby forming a substantially leak-proof joint between the said parts when the snuffer is seated thereon, the top of said wick tube being sufficiently soft to be thus shaped against the enlarged top of the supporting member by said operation of the snuffer, and the snuffer and its seat formed by the said parts acting as a liquid closure between operations of the lighter.

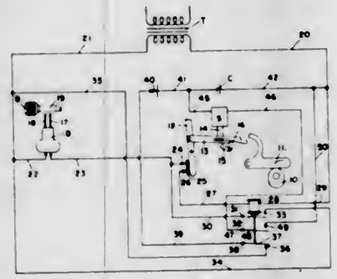
2,546,616
TOOL FOR HANDLING OPEN-ENDED SPRING RETAINING RINGS
Louis W. Schaaff, Jackson Heights, N. Y., assignor to Waldes Koh-i-noor, Inc., Long Island City, N. Y., a corporation of New York
Application September 26, 1946, Serial No. 699,557
2 Claims. (Cl. 29—229)



1. A shiftable pivot connection for pivotally connecting a pair of elongated members having terminals at one end thereof which are offset towards one another to lie in a common plane in two relative positions in which the terminal ends of said members are transposed with respect to each other, comprising a pivot pin having a cylindrical head carried by one of said members intermediate its ends and being disposed substantially on the longitudinal center line of said member, the other member being provided with two full-circular apertures having diameter corresponding to that of the head of the pivot pin whereby said members can be assembled one with the other by inserting the head in either aperture and said members are also freely separable, said apertures being spaced laterally from one another and symmetrically with respect to the longitudinal center line of said other member by an amount such that when the head is inserted in one aperture the members extend substantially parallel and when inserted in the other aperture the members cross one another and their offset terminal ends are relatively transposed, and latching means carried by said other member and coacting with said head for securing said members together in either one of their two relative positions aforesaid.

2,546,617
ELECTRIC WEFT DETECTING SYSTEM FOR LOOMS
Victor F. Sepavich, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 27, 1948, Serial No. 67,339
5 Claims. (Cl. 139—370)

1. In an electric weft detecting system for a loom having a source of alternating current electric power, an electric weft detector and mechanism effective to cause a change in loom operation when a solenoid is energized, said system comprising a charging circuit including a condenser, a normally closed switch and a rectifier, a discharge circuit including the condenser, solenoid and a normally open switch connected to the charging circuit between the rectifier and condenser, and electric means effective upon indication of weft exhaustion by the weft detector to



open said normally closed switch to prevent flow of electric current from said source through the rectifier to the solenoid and close said normally open switch to energize the solenoid by electric power derived from the condenser only.

2,546,618
PROCESS FOR IMPREGNATING FIBER SHEETS
Pierre Alfred Talet, Paris, France, assignor to Societe Nobel Francaise, Paris, France, a joint-stock company of France
No Drawing. Application April 29, 1948, Serial No. 24,113. In France January 27, 1948
3 Claims. (Cl. 117—161)

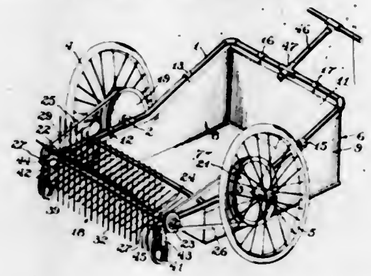
1. A process for manufacturing a rigid sheet of material which comprises deeply impregnating a sheet of supporting material of fibrous structure with aqueous solution of polyvinyl alcohol, drying said sheet, and immersing said sheet in a mixture of 350 parts of 40% Formol and 150 parts of 65° Baumé sulfuric acid to convert the alcohol substantially completely into the acetal.

2,546,619
FINGERNAIL GUARD
Hillary H. Turner, Berkeley, Calif.
Application November 1, 1948, Serial No. 57,742
3 Claims. (Cl. 2—21)



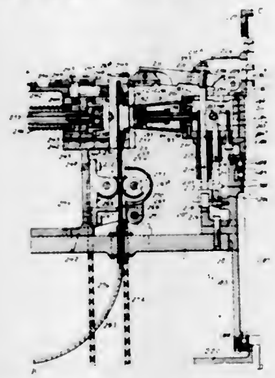
1. A fingernail guard comprising a U-shaped frame formed of a single strip of flexible material, said frame being bent to provide spaced, upright outer legs, spaced inner legs sloping upwardly and outwardly from their lower ends, and a cross member extending between and joining the upper ends of said inner legs below the upper ends of said outer legs, said fingernail guard also being provided with a forwardly extending guard member supported by said outer legs above said cross member.

2,546,620
ROTARY RAKE
Henry E. Van Ness, Elmira, N. Y.
Application June 7, 1947, Serial No. 753,181
3 Claims. (Cl. 56—202)



1. In a roto rake a tubular frame of generally rectangular shape having stub axles extending laterally from the sides of the frame, ground engaging wheels journaled on said axles, a hopper having a bottom of self-supporting material and side walls and back wall of flexible material permanently attached to the bottom, and said back wall being detachably connected to the side walls; detachable means supporting the side walls from the sides of the frame, separate detachable means supporting the back wall from the end of the frame, a rotary comb member journaled on the frame in front of the hopper, and transmission means connecting at least one of the driving wheels to the comb member and rotating the comb member in the same direction as the driving wheels and at a higher peripheral speed.

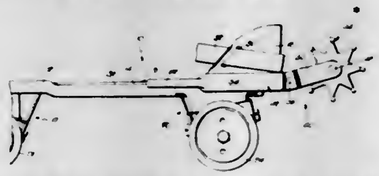
2,546,621
PAPER CUP MAKING MACHINE
Paul E. Wixon and Clarence E. Chapman, Baltimore, Md., assignors to Joseph Shapiro
Application January 6, 1948, Serial No. 748
8 Claims. (Cl. 93—39.3)



1. In a machine of the class described, a turret shaft bracket, a turret shaft journalled in said bracket, a rotatable turret carried by said shaft and including a chambered body with at least one chambered conical former attached thereto with its axis disposed in a radial direction, said former having a cup bottom receiving recessed outer end and having spindle bearing portions, a bottom ejector spindle having an ejector head at one end located in the recess of said outer

end, said spindle having its other end projected into the chamber of said chambered body, an ejector operating shoe radially slidably mounted in the chamber of said chambered body, means continuously urging said spindle into engagement with said shoe, a bottom ejector lift rod mounted in bearings in said bracket and operatively connected with said shoe, a latching finger on said rod, a yieldable latch on said bracket for cooperating with said finger to hold said rod elevated and said spindle and its ejector head locked in their ejecting position at times, and means to raise said rod to the latched position.

2,546,622
DETACHABLE SPUR FOR ROLLER SKATES
Jack Abel, Flushing, N. Y., assignor to D. P. Harris Hdw. & Mfg. Co., Inc., New York, N. Y., a corporation
Application January 23, 1950, Serial No. 139,973
1 Claim. (Cl. 280—11.37)



A detachably mountable simulated horseback rider's spur for a roller skate having a heel-supporting plate and an upwardly projecting heel rest, said spur comprising a resiliently spreadable mounting fork with opposite channel-shaped ends and a rearwardly projecting spur point substantially centrally of said fork, said channel-shaped fork ends being adapted to be snapped over opposite margins, respectively, of the heel plate of a skate for detachably mounting said spur on the latter in position thereon in which said fork straddles the heel rest and said point extends rearwardly from the latter to simulate normal wear of said spur on the heel of the wearer of the skate.

2,546,623
DRAWSTRING BAG MANUFACTURE
Julius Abler, Los Angeles, Calif., assignor of one-half to Abel Engelman, Chicago, Ill.
Application September 29, 1948, Serial No. 51,809
7 Claims. (Cl. 150—11)

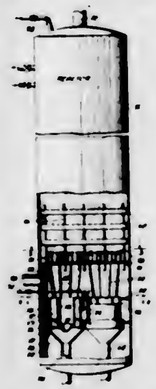


3. In a method of manufacturing drawstring bags, the steps which comprise, forming in a web of material near an edge thereof a row of connected ravelable loops of string spaced so closely that a plurality of such ravelable loops are present in a single bag blank, folding said material adjacent said row of ravelable loops to form a hem, sewing said hem whereby to leave said row of ravelable loops protruding outside said hem with the connecting portions of string forming said ravelable loops inside the hem, cutting said material into bag blanks, each having a plurality of ravelable loops, sewing the bag blank along appropriate edges for completing the bag, and pulling on the ends of the string forming the ravelable loops whereby the loops are unraveled or straightened, the string forming the same becomes enclosed within the hem and the extra length of string resulting from straightening the ravelable loops extends outside of the bag.

2,546,624
PERMEABLE MATERIALS AND METHODS OF MAKING SAME
Robert S. Adams, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
No Drawing. Application April 4, 1946, Serial No. 659,655
6 Claims. (Cl. 260—2.5)

1. A composition of matter for use in making a filter suitable for use in an oil well comprising a slurry consisting essentially of intimately mixed portions of clay mud and liquid synthetic resin, the mud and liquid resin having approximately the same density and the liquid resin being thermosetting phenol-formaldehyde having some water miscibility but not over 15 percent miscibility.

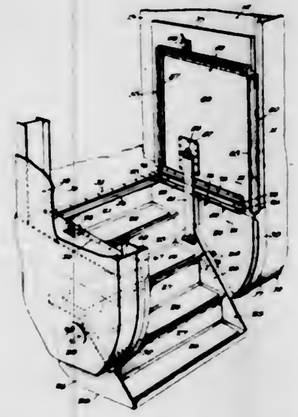
2,546,625
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 9, 1949, Serial No. 132,067
11 Claims. (Cl. 196—52)



1. A method for conducting the conversion of hydrocarbons in the presence of a moving granular contact material which comprises: passing the granular contact material downwardly through a confined conversion zone as a substantially compact column of gravitating granules, passing a fluid hydrocarbon charge through said column under suitable reaction conditions to effect its conversion to a lower boiling gasiform hydrocarbon product and withdrawing said product from said conversion zone, passing the contact material downwardly from a plurality of spaced points over the bottom of said column as a plurality of confined substantially compact streams and directing said streams to a plurality of spaced points on the surface of an upright annular shaped column of said contact material, subdividing the upper portion of said column including its surface into a plurality of isolated sectors

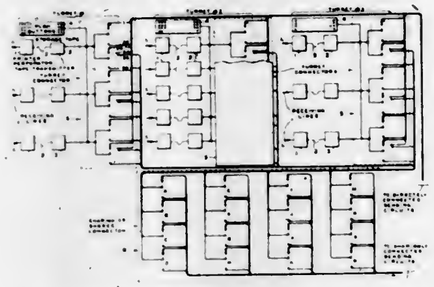
equal in number to said confined streams, each sector being supplied with material from one of said confined streams and said sectors having their cross sectional areas proportioned in the same manner as are proportioned the areas of the conversion zone column from which contact material flows to the confined streams supplying said sectors, permitting the flow from said sectors to combine in the lower portion of said annular column and symmetrically converging the flow from the bottom of said annular column into a single compact discharge stream disposed centrally below said annular column.

2,546,626
VESTIBULE TRAP-DOOR ARRANGEMENT
Christian J. Beezhold, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 4, 1946, Serial No. 667,287
18 Claims. (Cl. 105—430)



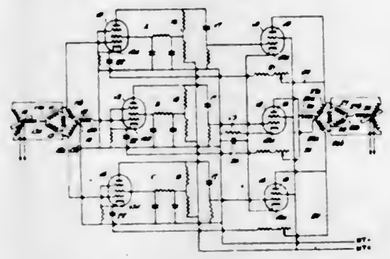
1. A railway car platform and trapdoor construction including a step well and comprising a car vestibule having a step well opening in the platform at one side of the car, nosing strips about two sides of said opening, a trapdoor supporting member forming part of the car structure at the hinge side of the opening and disposed immediately beneath the level of said platform, a hinged trapdoor for covering said step well having a continuous weatherstrip adapted to cooperate with said nosing to seal the step well opening along said two sides, a hinge for the trapdoor forming a pre-assembled part of the trapdoor structure having a leaf portion secured to said supporting member, said hinge comprising a butt plate including said leaf portion and an offset sealing flange connected by a bent plate portion, axially aligned hinge butts spaced apart and integrally secured to the butt plate in said offset bent plate portion, a continuous tubular hinge axis member secured to the trapdoor and nested between said butt members, and removable pintle members engageable between said hinge butts and the tubular axis member about which the trapdoor is adapted to pivot, said sealing flange cooperating with said continuous weatherstrip to seal the step well opening at the hinge edge of the trapdoor, and means overlying said leaf portion on the supporting member substantially flush with said platform.

2,546,627
TELEGRAPH SWITCHING SYSTEM
William B. Blanton, Rockville Centre, N. Y., and Frank L. Currie, Plainfield, and George W. Janson, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,556
20 Claims. (Cl. 178—2)



1. In a telegraph switching system, a plurality of outgoing transmitting channels, a plurality of groups of storage controlled telegraph transmitters, separate switching means associated with each of said groups for independently establishing transmission paths from the transmitters thereof to predetermined ones of said transmitting channels, a switching means common to all of said transmitters for establishing transmission paths from the transmitters to the others of said transmitting channels, and means for controlling said switching means to permit establishment of paths through individual ones of said separate switching means simultaneously and through said common switching means only one path at a time.

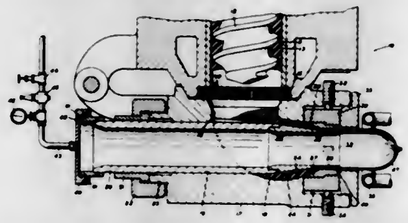
2,546,628
ELECTRONIC AMPLIFIER FOR THREE-PHASE CURRENT IMPULSES
George Briggs, London, England, assignor to B. V. C. Electronics Developments Limited, London, England, a British company
Application June 14, 1948, Serial No. 32,761
In Great Britain June 20, 1947
5 Claims. (Cl. 179—171)



1. A three phase amplifier, more particularly for use in remote position indicators of the kind set forth, comprising three electronic amplifier chains having transformer-coupled inputs and transformer-coupled outputs, the three primaries of the input transformers and the three secondaries of the output transformers being connected in delta whilst the three secondaries of the input transformers and the three primaries of the output transformers are connected in star,

and a negative feed back from the output valve of each amplifier chain to one of the preceding valves in the chain.

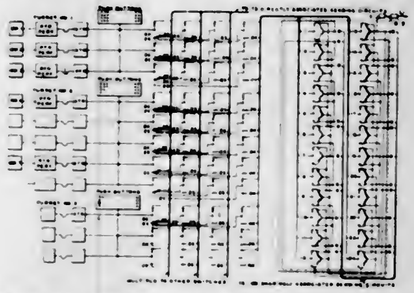
2,546,629
METHOD OF POSITIONING A FORMING DIE WITH RESPECT TO A CORE TUBE
Samuel E. Brillhart, Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1947, Serial No. 791,909
1 Claim. (Cl. 18—55)



The method of adjusting a die positioned in an apparatus having an elongated tubular core tube holder provided with a core tube on one end thereof which coacts with the die to form an annular extrusion orifice through which an extrudable thermoplastic material may be extruded around a core being advanced through the die, so that the apparatus extrudes a covering on the core having uniform wall thickness throughout its periphery, which comprises closing the core receiving end of the core tube holder to render it air tight, forcing thermoplastic material through the extrusion orifice to form an extruded tube without advancing a core through the orifice, closing the end of the tube being extruded to render the tube air tight, admitting air into the core tube holder at a pressure sufficient to prevent the extruded tube from collapsing as it emerges from the extrusion orifice, terminating the extrusion operation when a predetermined length of the air-filled extruded tube has been formed, cooling the air-filled tube to room temperature as it emerges from the extrusion orifice to harden it, examining the extruded tube for irregularities in the wall thickness thereof, adjusting the die with respect to the core tube so as to compensate for any non-uniformities in the wall thickness of the extruded tube, and repeating the above steps in the order named until the die is so positioned with respect to the core tube that when a core is advanced through the apparatus the extrusion orifice will form a sheath on the core having uniform wall thickness.

2,546,630
TELEGRAPH SWITCHING SYSTEM
Frank L. Currie, Plainfield, N. J., and William B. Blanton, Rockville Centre, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 9, 1948, Serial No. 37,894
8 Claims. (Cl. 178—2)

1. In a telegraph switching system, a storage controlled telegraph transmitter, a plurality of outgoing telegraph channels, a plurality of separate independently operable switching units associated with said transmitter for establishing transmission paths from said transmitter to associated channels, each of said units being capable of establishing a path to a plurality of said channels and a path to any one of said channels being capable of being established through a plurality of said units one at a time, a plurality of manually operable elements for indicating a channel to which a path is to be



established, means operative in response to the actuation of one of said elements for conditioning for operation the plurality of units having the representative channel associated therewith, and means for establishing the path through one of said conditioned units.

2,546,631
COLOR STABILIZATION OF HALOGEN-CONTAINING POLYMERS
Willem Leendert Johannes de Nie and Christiaan Nicolaas Jacobus de Nooijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 5, 1946, Serial No. 688,416. In the Netherlands September 29, 1945
9 Claims. (Cl. 260—45.7)

5. A process for producing a colorless colorstable thermoplastic resin from a composition consisting essentially of a solid preformed high molecular weight thermoplastic halogen-containing polymer of the group consisting of polymers of vinyl halides, polymers of the vinylidene halides, chlorinated polyvinyl chloride, chlorinated rubber, brominated rubber and chloroprene polymers, which consists of mixing the said polymer with 0.1% to 20% by weight of an organic hydroperoxide and subjecting the resulting mixture to a milling operation at a temperature above 100° C., the heat employed in the said milling operation being insufficient to convert the composition into a non-thermoplastic product.

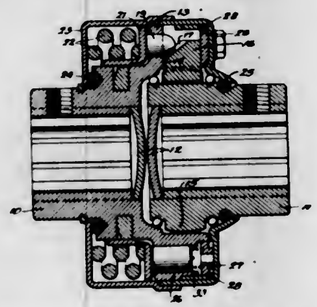
2,546,632
SIDE WALL CORE TAKER
Winnefred Sheldon Dill, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application June 23, 1949, Serial No. 100,841
3 Claims. (Cl. 255—1.4)

1. In a side wall core taking tool for use in a well bore or the like, an elongated body adapted to be lowered into the well bore on a cable, an assembly mounted in said body for taking a core when desired from an earth formation along the well bore by gouging a slot therein, said assembly consisting of a vertically disposed cylinder, a piston mounted for sliding movement therein, a powder load disposed beneath said piston and adapted, when fired, to drive the piston upwardly and a core taking barrel having a gouging edge pivoted on said piston and adapted to rotate outwardly and downwardly over an angle of substantially 180 degrees through the earth formation



when the piston is driven upwardly by said powder load.

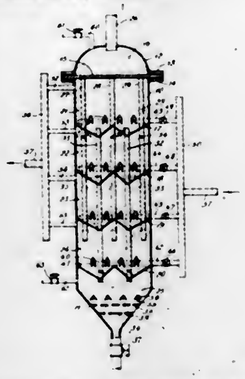
2,546,633
SPEED AND TORQUE RESPONSIVE COUPLING
Adiel Y. Dodge, Rockford, Ill.
Application February 8, 1946, Serial No. 646,418
14 Claims. (Cl. 192—104)



1. A coupling comprising coaxial driving and driven members connected for relative rotation but held against relative axial movement, one of said members being formed with driving notches, driving elements movably carried by the other member to engage the notches, spring means carried by said other member and operatively engaging the driving elements to urge the driving elements toward the notches and to be compressed by movement of the driving elements out of the notches, and means forming a fluid dashpot acting between the spring means and one of the members to restrict movement of the spring means in a direction to urge the driving elements toward the notches.

2,546,634
METHOD AND APPARATUS FOR CONTACTING GASES WITH PARTICLE FORM SOLID MATERIAL
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 9, 1944, Serial No. 539,556
12 Claims. (Cl. 23—1)

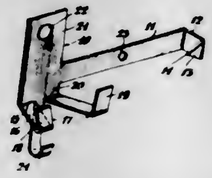
1. An apparatus for contacting gases with particle form solid material comprising: a substantially vertical vessel, partitioning at spaced vertical levels in said vessel dividing it into a vertical series of chambers, the lowermost chamber being a drain chamber and the remaining chambers, numbering at least two, being contact chambers, passage defining members defining separate, isolated passages for introduction of fresh particle form, solid material into the upper section of each contact chamber, a plurality of passage defining members positioned substantially vertically within said vessel and terminating on their lower ends within said drain chamber, said passage defining members defining for each of said contact chambers at least one isolated, substantially vertical passage communicating with the lower section of said contact chamber and terminating within said drain chamber for separate flow of solids from the lower section of said contact chamber into said drain chamber, means to withdraw contact material from said drain chamber, and flow-throttling means associated therewith, means to introduce contacting gas into each contacting chamber and means to withdraw gas from each contacting chamber.



6. An apparatus for conducting gasiform reactions in the presence of a particle form solid contact mass material comprising: a substantially vertical closed vessel, a partition extending across said vessel near the upper end thereof defining a solid material accumulation chamber within the upper end of said vessel, a plurality of vertically spaced partitions across said vessel below said first named partition defining a plurality of separate superimposed chambers, the lowermost of said chambers being a solid material drain chamber and the remaining chambers being reaction chambers, means to admit particle form solid contact mass material to the upper end of said accumulation chamber, a plurality of substantially vertical conduits depending from said first named partition and terminating at their closed lower ends within the lowermost reaction chamber, partitioning within each of said conduits defining vertically extending separate passages therethrough equal in number to the number of said reaction chambers, said conduits having outlet orifices therein communicating the upper section of each of said reaction chambers with a separate one of the passages in said conduits, a second plurality of substantially vertical similarly partitioned conduits extending through all of said reaction chambers excepting the uppermost reaction chamber and terminating at their closed upper ends within said uppermost reaction chamber and at their open lower ends within said drain chamber, said second named conduits having orifices therein communicating

the lower section of each of said reaction chambers with a separate one of the partitioned passages within each of said second named conduits, means to withdraw said solid material from said drain section at a controlled throttled rate, baffling within said drain section to provide uniform withdrawal of said solid material from the entire cross-section thereof, means to pass reaction gas separately through the solid material within each of said reaction chambers.

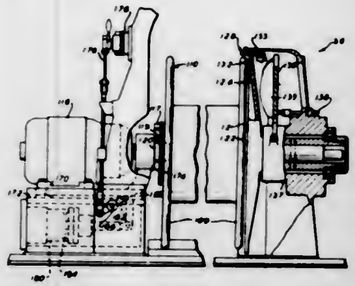
2,546,635
HOLDER FOR DISPENSING PACKAGES
Seymour Farkas, Astoria, N. Y.
Application September 28, 1948, Serial No. 51,566
5 Claims. (Cl. 248—309)



1. A holder for a wax paper package or the like, comprising a back plate, a shelf projecting from the lower part thereof and having an upright flange at its forward edge, and retaining means projecting from said back plate and laterally spaced from the shelf, said retaining means comprising a sharp-ended element extending substantially parallel to the back plate and shelf and adapted to penetrate the package at an end thereof when the package is resting on the shelf, said guarded shelf means having back-defining means adjacent its rear edge and having upright guard means at its forward edge, said guard means being disposed along a line parallel to the back-defining means and spaced from the latter by a distance equal to the front-to-rear thickness of a package which the shelf means is adapted to receive, said sharp-ended means comprising a pointed member disposed to pierce the end wall of a package that has its front wall aligned against the guard means, and said pointed member being disposed, for projection into such received package, at a locality which is closer to the back-defining means than said line, in a direction perpendicular to said line.

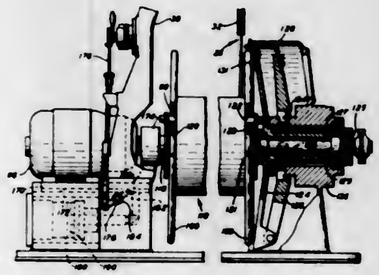
2,546,636
TAKE-UP APPARATUS
Estyle D. Hanson, George E. Henning, and Samuel M. Martin, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1948, Serial No. 40,226
20 Claims. (Cl. 242—80)

1. A takeup apparatus, which comprises a coiling element, a second coiling element, means for rotating the coiling elements, means for guiding a strand along a predetermined path near to and past the first-mentioned coiling element to the second-mentioned coiling element, a snagger revolved continuously with the first-mentioned coiling element and movable from a position at one end of and not extending over the first-mentioned coiling element to a position extending over that coiling element, means for holding the snagger in a position not extending over the first-mentioned coiling element, and selectively operable means for pushing the snagger over the first-mentioned coiling element at a predetermined point in the revolution of the snagger, whereby the snagger



catches the portion of the strand guided past the first-mentioned coiling element.

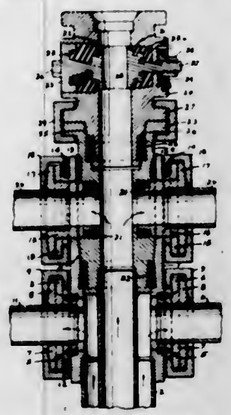
2,546,637
TAKE-UP APPARATUS
Duer C. Robson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1948, Serial No. 40,290
24 Claims. (Cl. 242—80)



1. A takeup apparatus, which comprises a pair of reels, means for rotating the reels, a snagger provided with a strand-catching-and-gripping portion revolved with one of the reels, and means selectively operable for guiding a strand past one of the reels to the other reel into the path of the snagger.

2,546,638
WELLHEAD CONSTRUCTION
Granville A. Humason, Houston, Tex., assignor of one-half to Edgar E. Townes, Jr., Houston, Tex.
Application October 15, 1945, Serial No. 622,442
5 Claims. (Cl. 166—15)

1. Well head construction comprising a casing head adapted to be connected to a well casing and having a longitudinal bore provided with a downwardly tapering portion forming an inside seat, and a lateral opening forming an outwardly flared seat in communication with said bore, a tubing head having a lateral opening which registers with the casing head opening said tubing head being seated in said inside seat and having an upper end extending above the casing head, a tubular flow-line connection fitted through the openings of both heads and seated in said outwardly flared seat, said casing head and connection having annular projections provided with external adjoining flanges, a clamp housing



around said flanges and securing them together to secure the connection to the head assembly.

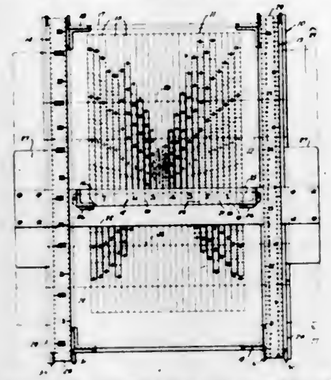
2,546,639
PRODUCTION OF PHENOL BY OXIDATION OF BENZENE
George Ghislain Joris, Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 21, 1948, Serial No. 50,429
9 Claims. (Cl. 260—621)

1. In the process for oxidizing benzene to phenol in vapor phase at pressures of the order of one atmosphere with elementary oxygen, the improvement which comprises introducing into the reaction zone benzene, oxygen and from 1 to 20 volumes (as vapor, per 100 volumes of benzene vapor introduced into the reaction zone) of at least one material of the group consisting of open chain hydrocarbons containing in the molecule at least one unbranched saturated chain of at least 3 carbon atoms; cyclic saturated hydrocarbons containing at least 6 carbon atoms; and mixtures of normally liquid, non-aromatic hydrocarbons which mixtures contain at least about 25% by liquid volume of hydrocarbon promoter aforesaid; and maintaining reaction temperatures in the hottest zone of the reactor in the range from 250° C. to 400° C.

2,546,640
PRODUCTION OF PHENOL BY OXIDATION OF BENZENE
George Ghislain Joris, Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 21, 1948, Serial No. 50,430
9 Claims. (Cl. 260—621)

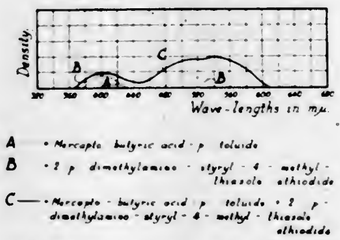
1. In a process for oxidizing benzene to phenol in vapor phase at pressures of the order of one atmosphere with elementary oxygen, the improvement which comprises introducing into the reaction zone benzene, oxygen, and from about 1 to about 20 volumes (as vapor, per 100 volumes of benzene vapor introduced into the reaction zone) of di-n-alkyl ether containing between 2 and 8 carbon atoms in its molecule; and maintaining reaction temperatures in the hottest zone of the reactor in the range from about 250° C. to about 400° C.

2,546,641
DRAFT CALCULATOR
Francisco J. Llansó, Westwood, N. J.
Application July 1, 1947, Serial No. 758,369
9 Claims. (Cl. 235—61)



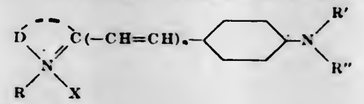
1. A device for indicating the draft of a ship under various loads in various positions, the device comprising a rectangular base member, a set of rectangular columnar scales supported by the base member, the scales being calibrated above and below a fixed line perpendicular to the scales in accordance with the displacement curves of the ship's design, means removably attaching the columnar scales to the base member with the columns parallel to the longitudinal edges thereof; an inboard profile template coacting with the columnar scales, and having lines thereon transversely dividing it to coact with the columnar scales, a slide carrying the template for sliding it over the scales parallel to the columns thereof with the transverse divisions superposed over the coacting columnar scales; two draft indicating tapes coacting with the scales and template slide, the tapes being in the form of endless belts and having draft scale indicia thereon correlated with the columnar scales, means slidably mounting one tape along one longitudinal edge of the base and over the template slide and the other along the opposite edge and over the template slide.

2,546,642
LIGHT-SENSITIVE PHOTOGRAPHIC EMULSION
Willem Karel Antoon Koerber, Berchem-Antwerp, and Désiré Maria Aloysius Van Goethem, Kontich, Belgium, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium, a company of Belgium
Application April 28, 1947, Serial No. 744,522
In Germany September 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1961
6 Claims. (Cl. 95—7)



2. Light-sensitive photographic silver halide

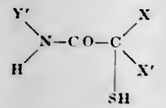
emulsion containing at least one sensitizing dyestuff corresponding to the general formula:



wherein

D represents the non-metallic atoms necessary to complete a member selected from the group consisting of heterocyclic 5-membered and heterocyclic 6-membered rings,
R represents alkyl, aryl, aralkyl,
R′ and R″ represent alkyl,
X represents a member selected from the group consisting of halogen and an acid residue, and
n represents a positive integer,

and as a supersensitizer at least one product of the general formula:



wherein

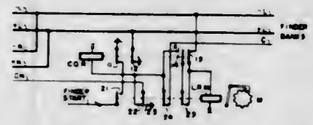
Y′ represents aryl,
X represents a monovalent group selected from the group consisting of alkyl and hydrogen, and
X′ represents an alkyl group.

2,546,643
SHEET METAL LOOP PICKER
Samuel W. La Rocque, Pawtucket, R. I.
Application June 27, 1949, Serial No. 101,525
7 Claims. (Cl. 139—159)



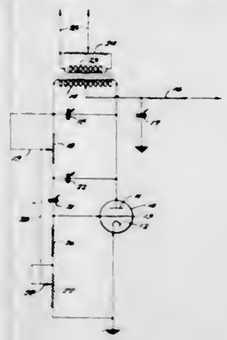
2. A reversible picker constructed of a single piece of sheet metal and capable of abutting a shuttle in horizontal alignment therewith, comprising an oblong picker head holding box having side walls, a bottom wall, a top wall extending outwardly a greater distance than said bottom wall, an open inner end and an outer wall extending obliquely upwardly to abut the flat inner wall of the picker stick and integral picker stick holding straps projecting outwardly from said side walls stepped directly externally along upwardly and outwardly flaring oblique lines from the inner end of said picker box bottom wall to the inner end of said picker box top wall for abutting the flat side walls of the picker stick, and having obliquely inclined stepped portions extending internally along obliquely upwardly and outwardly flaring lines substantially parallel to the oblique lines of the first steps to hug the rounded edges of a picker stick outer wall and then extending integrally laterally outwardly in clamping tips and means to clamp said tips together, causing said outer obliquely inclined stepped portions to abut the rounded edges of the picker stick outer wall to clamp the picker stick against the outer wall of the picker head holding portion, said picker head holding portion being adapted to have an oblong picker head pressed therein.

2,546,644
COMBINED LINE AND METERING RELAY AND ASSOCIATED CIRCUITS
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 12, 1946, Serial No. 715,820
5 Claims. (Cl. 179—7)



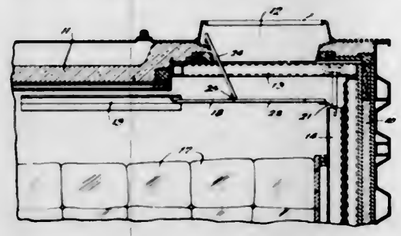
1. In a telephone system, a line circuit, a cut-off relay individual thereto, a two winding combined meter and line relay also individual thereto, circuit means including contacts controlled by said cut-off relay normally connecting said line relay to said line circuit over one of said windings for operating said line relay in a first step operation responsive to the initiation of a call over said line circuit, other circuit means including contacts controlled by said line relay in its first step operation for operating said cut-off relay when said call is further extended, a metering device individual to said line relay for assessing charges on completed calls, a mechanical linkage connecting said line relay with said metering device, and further circuit means controlled by said cut-off relay for connecting said line relay to said line circuit over both said windings and completed responsive to the completion of said call for operating said line relay in a second step operation for operating said linkage to operate said metering device.

2,546,645
VARIABLE FREQUENCY OSCILLATOR
Thomas H. Long, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application August 31, 1946, Serial No. 694,383
4 Claims. (Cl. 250—36)



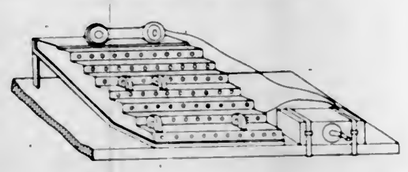
1. A variable frequency oscillator comprising an electron discharge tube having a cathode, an anode and a control grid, a resonant circuit including an inductive winding and a capacitor in parallel connected at one side to the anode, an output winding coupled to the inductive winding, means to supply anode potential to the central part of the inductive winding, a variable resistor connected to the other side of the resonant circuit, a condenser having large capacity relative to the anode-control grid capacity of said tube connected between the anode and the side of the resistor remote from the resonant circuit, and a condenser connecting said remote side of the resistor to the grid.

2,546,646
MOVABLE BULKHEAD STRUCTURE
John S. Lundvall, Park Ridge, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1946, Serial No. 679,502
8 Claims. (Cl. 105—376)



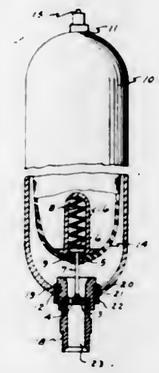
1. In a movable bulkhead structure for use in a refrigerator car having a hatch opening in its top, a vertical bulkhead, means movably mounting the bulkhead in the car for movement from an extended position at one side of the hatch opening to a retracted position at the other side of the hatch opening, a hatch closure movably mounted in the upper part of the car and connected to the bulkhead to be moved thereby to a position underlying the hatch opening when the bulkhead is moved to its retracted position, the hatch closure having an opening in the car top when the bulkhead is in its retracted position, therein to register with the hatch opening, and a movable closure for the opening in the hatch closure movably connected to the hatch closure.

2,546,647
MAGNET OPERATED SEALED SWITCHBOARD
Clarence Marble, Middlesex, and Carl F. Ruckdeschel, Rochester, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 1, 1946, Serial No. 687,642
25 Claims. (Cl. 179—94)



1. In a switching system, a container comprising a case and a cover, switching equipment including an operating spring and an armature mounted therein, means for sealing said cover to said case to protect said switching equipment from dust and moisture, a movable permanent magnet free of any mechanical and electrical attachments, a marked location on said cover for said permanent magnet, said operating spring and said armature being operable to one position in case said permanent magnet is placed in said marked location, said operating spring being effective for moving said armature to another position in case said permanent magnet is moved from said marked location, an adjustable stop mounted in said cover, said stop being operable from outside of said cover to control said other position of said armature.

2,546,648
SPRING CONTROLLED GUIDE ROD FOR THE OIL PORT VALVE OF AN ACCUMULATOR
Jean Georges Mercier, New York, and Edward M. Greer, West Hempstead, N. Y.; said Edward M. Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y.
Application September 30, 1948, Serial No. 52,054
4 Claims. (Cl. 138—30)

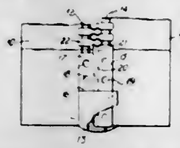


1. In an accumulator comprising a shell having two ports, a deformable bag secured within said shell separating said two ports from each other, the deformable bag having an air valve which is mounted in the one port, the opposite end of said deformable bag having a sealed container mounted within said bag and an aperture connecting said container with the exterior of said bag, a fluid outlet plug mounted in the opposite port of the said shell, a piston rod affixed at the central axis of the fluid outlet plug and extending into said accumulator, said piston rod fitted through the aperture in said deformable bag, a piston head affixed to the end of said piston rod within said container, a compression spring mounted in said container between the piston head and the opposite end of said container, means to expand said deformable bag within said shell, and means to restrain the area of said deformable bag adjacent to the fluid outlet plug from expanding to contact said fluid outlet port.

2,546,649
CAST ON END STOP FOR SEPARABLE FASTENER STRINGERS
Louis H. Morin, Bronx, N. Y.
Original application October 16, 1943, Serial No. 506,466, now Patent No. 2,464,050, dated March 8, 1949. Divided and this application November 4, 1948, Serial No. 58,207
2 Claims. (Cl. 24—205.11)

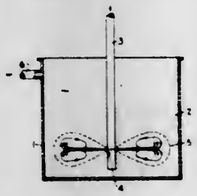
1. An end stop for slide fasteners of the class described comprising a body member having a pair of spaced apart oppositely disposed portions for engagement with the edge portion of the stringer tape on which it is adapted to be mounted, each of said portions having an aper-

ture arranged therein into which the edge portion of the stringer tape is adapted to expand so



as to aid in preventing displacement of the stop from the stringer tapes.

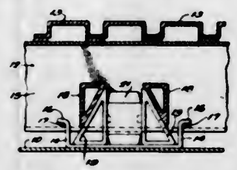
2,546,650
FILTRATION THROUGH LOOSE FILTER MATERIAL
Lambert W. Nijboer, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 14, 1947, Serial No. 760,905
In the Netherlands April 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1961
7 Claims. (Cl. 210—124)



1. A method for filtering liquids by means of a mass of filter material in a finely divided state, comprising the steps of confining a mass of said filter material loosely within a vessel with the bulk thereof in a state of rest; introducing raw liquid to be filtered through a conduit to a point in the interior of said mass; discharging said raw liquid at said point under pressure against the interior of said mass at a high flow velocity to agitate the part of said material within a restricted zone in the vicinity of said point, thereby imparting turbulence to the finely divided filter particles and forming a suspension of said particles in the liquid within said restricted zone, the mass velocity of the raw liquid introduced being insufficient to disturb the filter material beyond said restricted zone from its state of rest; flowing the liquid from said restricted zone through at least a part of the mass of filter material which is in a state of rest; withdrawing liquid from said mass after said flow and varying the boundary between said restricted zone and the mass of filter material and thereby setting up a fresh boundary containing filter material through which the liquid enters the mass of filter material which is in a state of rest by varying the flow of liquid from said discharge point during said filtration.

2,546,651
FLOOR RACK
Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application July 31, 1946, Serial No. 687,333
6 Claims. (Cl. 105—375)

1. A floor rack for railway cars and the like comprising a plurality of parallel elongated stringers and cross slats supported on the stringers, each stringer including a base to engage the car floor, a supporting strip movable vertically relative to the base and to which the slats are connected, wedge members carried by the base



and the strip having wedge surfaces lying at an angle to the vertical so that one of the wedge members will be moved horizontally when the strip moves toward the base, and resilient means engaging said one of the wedge members yieldingly to resist such horizontal movement thereof.

2,546,652
PYRIDINDENES AND PROCESS FOR THEIR MANUFACTURE
John Thomas Plati, Passaic, and Wilhelm Wenner, Montclair, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 30, 1949, Serial No. 107,833
12 Claims. (Cl. 260—297)

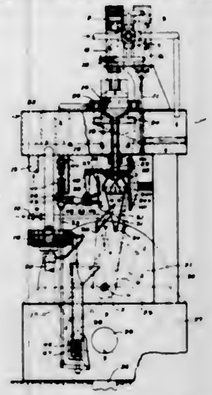
6. A compound selected from the group consisting of a 2-lower alkyl-9-keto-2,3,4,4a,9,9a-hexahydro-1-pyridindene, a 2-lower alkyl-9-hydroxy-9-phenyl-2,3,4,4a,9,9a-hexahydro-1-pyridindene, a 2-lower alkyl-9-hydroxy-9-tolyl-2,3,4,4a,9,9a-hexahydro-1-pyridindene, a 2-lower alkyl-9-hydroxy-9-(methoxy-phenyl)-2,3,4,4a,9,9a-hexahydro-1-pyridindene, a 2-lower alkyl-9-hydroxy-9-pyridyl-2,3,4,4a,9,9a-hexahydro-1-pyridindene, and their acid addition salts.

2,546,653
CHLORINATED DERIVATIVES OF 1-PYRIDINDENE AND THEIR PREPARATION
John Thomas Plati, Passaic, and Wilhelm Wenner, Montclair, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 4, 1950, Serial No. 147,755
11 Claims. (Cl. 260—290)

1. A compound selected from the group consisting of 2-methyl-7-chloro-9-p-chlorophenyl-2,3-dihydro-1-pyridindene, 2-methyl-7-chloro-9-p-chlorophenyl-2,3,4,9-tetrahydro-1-pyridindene, and their salts.

2,546,654
CONTRIVANCE FOR DETERMINING THE DEGREE OF BEATING OF FIBER MASS SUSPENSIONS
Thor Gustaf Qvefiander, Karhula, Finland, assignor to A. Ahlstrom Osakeyhteo, Karhula Bruk, a corporation of Karhula, Finland
Application January 24, 1947, Serial No. 724,029
In Finland July 24, 1946
10 Claims. (Cl. 73—63)

1. A device for determining the degree of beating of fibre mass suspensions of the type in which water is separated from the suspension by filtration, which comprises, a perforated cylinder, a container constructed for the flow of pulp suspension therethrough, means for causing pulp suspension to rise to a fixed level in said container, means to periodically immerse said perforated cylinder into said suspension in said container and to remove said cylinder from said suspension, a downwardly extending vertical pipe operatively connected to said cylinder, a funnel, equipped with an overflow, in registry with the lower end of said vertical pipe, a measuring cylin-



der mounted for reception of water from said overflow, and means operable in response to the water received in said measuring cylinder to record the level of said water, whereby the water in said suspension will run through said perforated cylinder until the mat formed on the surface thereof substantially restricts its passage and such water will be caught in said measuring cylinder, so that the characteristics of the initial fibre mass suspension may be determined.

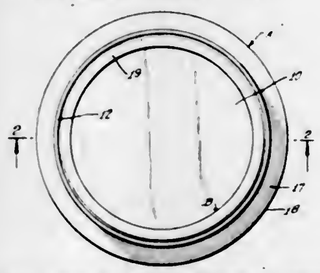
2,546,655
ADJUSTABLE HAND-DRILL
Saul Shaler, Jackson Heights, N. Y.
Application August 6, 1947, Serial No. 766,664
2 Claims. (Cl. 77—7)



1. A hand drill comprising a chuck plate and a handle plate arranged in face contacting relation and having alined openings therethrough with the contacting faces of the plates complementarily serrated radially of said openings for interfitting relation, a handle plate provided at its exterior face with a circular boss coaxial of its opening and forming a bearing for a driving gear, a driving bevel gear journalled for rotation on said bearing, a stud extending through the openings in said plates, a nut screwed onto said stud

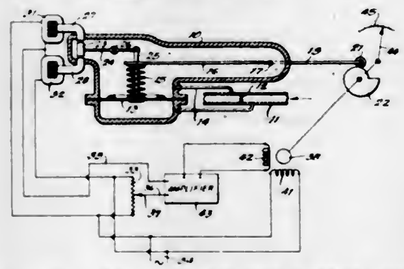
beyond the end of the boss on the handle plate to normally maintain the serrations of the two plates in interfitting relation and simultaneously hold the driving gear on said boss, a chuck spindle journalled in the chuck plate for rotation on an axis perpendicular to the axis of the stud and carrying a bevel pinion meshing with the driving bevel gear, a chuck carried by the outboard end of the chuck spindle, a handle rigid with the handle plate and an offset operating knob carried by the driving gear, said driving gear being provided on its inner face with an annular rib closely spaced from the outer face of the handle plate and adapted to engage therewith to take the strain off of the bearing of the driving wheel.

2,546,656
DEVICE FOR MAKING PIECRUSTS
Stanley S. Smith, Mount Kisco, N. Y.
Substituted for application Serial No. 594,189, May 17, 1945. This application October 6, 1949, Serial No. 119,946
2 Claims. (Cl. 107—46)



1. A device for making pie crusts comprising a mold having a shallow substantially circular cavity with a flat bottom and a low vertical peripheral side wall, the depth of the cavity being equal to the thickness of the pie crust desired to be made, the inside diameter of the cavity being substantially the same as that of the total diameters of the bottom and side crusts desired, and a flat ring having an outside diameter furnishing a loose fit of said ring inside said cavity, and having an inside diameter greater than the outside diameter of the top pie crust desired to be made.

2,546,657
INSTRUMENT FOR MEASURING PHYSICAL CONDITIONS
Charles H. Smoot, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1947, Serial No. 776,190
2 Claims. (Cl. 318—32)



2. An instrument for measuring physical conditions comprising a closed housing, a flexible

diaphragm in the housing responsive to a condition to be controlled to produce a force proportional to the condition, a rod connected to the diaphragm, a shaft rotatable in the housing, a leaf spring secured at one end to the shaft and at its other end to the rod, the diaphragm and the leaf spring providing the sole guide and support for the rod, a device for producing a variable electrical effect including a pair of relatively movable parts, one of which is rigidly mounted adjacent the housing and the other of which is carried by said rod, a reversible motor, means responsive to said electrical effect to control the motor, and means connecting the motor to the shaft to control the shaft.

2,546,658

7-CHLORO-4-[5-(N-ETHYL-N-2-HYDROXYETHYLAMINO)-2-PENTYL]AMINOQUINOLINE, ITS ACID ADDITION SALTS, AND METHOD OF PREPARATION

Alexander R. Surrey, Albany, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 23, 1949, Serial No. 106,503
4 Claims. (Cl. 260—286)

1. A compound selected from the group consisting of 7-chloro-4-[5-(N-ethyl-N-2-hydroxyethylamino)-2-pentyl]aminoquinoline; and acid-addition salts thereof.

2,546,659

EXPANSION JOINT SEALING FILLER

Paul Sussenbach, St. Louis, Mo., assignor to The Presstite Engineering Company, St. Louis, Mo., a corporation of Missouri

No Drawing. Application August 14, 1948, Serial No. 44,410
13 Claims. (Cl. 260—28.5)

1. An internal-setting asphaltic filler adapted for cold application to seal expansion joints, comprising a mixture of a dry component comprising comminuted hard asphalt dispersed throughout fibrous material, and a liquid component comprising a soft, ductile and adhesive asphalt, a rubber which is miscible with the hard asphalt, and an oil which is compatible with the hard asphalt and which is adapted to plasticize the rubber ingredient, said oil being substantially nonvolatile at temperatures below the highest summer temperature to which it may be subjected in a joint and which will pour at winter temperatures, and being in amount sufficient to blend with the hard asphalt of the dry component, said dry and liquid components being mixed in such proportions that the initial mixture even when cold has a readily workable semi-liquid consistency suitable for application to a joint and which sets internally to form a resilient and adhesive joint-sealing material.

2,546,660

HACKSAW FRAME

George R. Wilcox, Bernardston, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts

Application June 26, 1947, Serial No. 757,276
2 Claims. (Cl. 145—34)

1. In a hack saw frame, a first section having means for carrying one end of a blade, a handle section with which said first section is adjustably connected, said handle section having a depending gripping section and two depending arms, said arms being intermediate said blade carrying means and said gripping section, a lever pivoted at one end between said depending arms and carrying means for connection to the other end of the blade, an opening in the other end of said lever, opposed slots provided in the depending arms, a controlling lever pivoted to said depend-



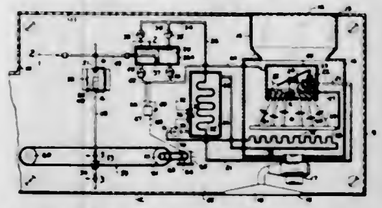
ing arms, said controlling lever carrying a member, traveling in said slots and engaging a wall of said lever opening, whereby to swing the first mentioned lever on its pivot for tensioning or releasing the saw blade.

2,546,661

AIR-COOLING DEVICE

Donald R. Williams, Dearborn, and Robert "B" Kizer, Melvindale, Mich.

Application December 28, 1948, Serial No. 67,723
9 Claims. (Cl. 62—129)



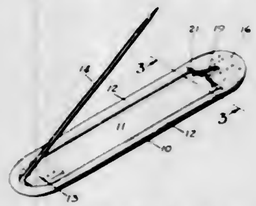
1. In an air cooling device of the class described, comprising: a housing having an air inlet and an air outlet; a container positioned within said housing adapted for the reception of a volatile liquid; a manifold; a plurality of tubes establishing communication with said manifold and with said container through the bottom thereof; a valve housing positioned within said container; an outlet conduit communicating with said valve housing for conducting liquid to said manifold; an inlet conduit for conducting liquid into said valve housing; a valve in said housing; a rockable beam adapted upon rocking in one direction for opening said valve; and a float mounted on said beam and adapted upon rising of liquid in said container to a predetermined height for rocking said beam in the opposite direction to close said valve.

2,546,662

SAFETY PIN

Dante V. Bagnasco, Brooklyn, N. Y.

Application March 14, 1947, Serial No. 734,589
3 Claims. (Cl. 24—161)



1. A pin comprising a body, a pin element attached at one end to one end of said body, spring-urged away from said body, flanges on

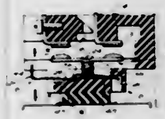
the other end of said body extending inwardly toward each other, defining with said body a recess for the free end of the pin element, said flanges being stiff to resist bending under the strains imposed upon the pin element in use, and said flanges defining between their inner edges a slot, and a spring clip fixed within said recess having a free end extending across said slot and having an outwardly curved boss fitting within said recess, said clip being spring-held against the edges of said slot, said clip having on one edge of said boss a spring arm curved away from the adjacent flange, whereby said spring arm may be depressed by said pin element, when in engagement therewith, sufficiently to permit the free end of said pin element to pass below said spring arm and into said boss and whereby said spring arm when within said recess may be inserted between said curved end and said flange to depress the spring sufficiently to permit release of the pin.

2,546,663

CONTACT STRUCTURE FOR ELECTRIC SWITCHES

Richard P. Ballou and Daniel F. Daly, Hartford, Conn., assignors to Federal Electric Products Company, Newark, N. J., a corporation

Application July 14, 1948, Serial No. 38,686
15 Claims. (Cl. 200—166)



1. A contact structure for an electric switch, comprising a contact bar provided with notches in its opposite side edges, a holder in which said contact bar is positioned for movement therein in opposite directions transversely of its length, said holder having parts which engage said bar in said notches for preventing movement of said bar in the direction of its length, said holder having reflexed confronting portions releasably engageable with said bar for limiting the movement thereof in one of said opposite directions, and spring means carried by said holder and yieldably holding said bar against movement in the other of said opposite directions, said portions being spaced from each other for the edgewise passage of said bar therebetween to effect the ready removal of said bar from said holder and the ready insertion of said bar therein, said spring means being retained in said holder by said portions when said bar is out of said holder.

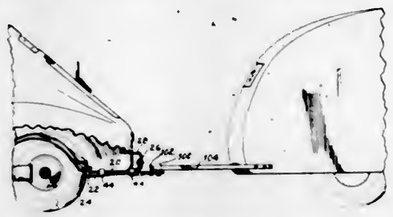
2,546,664

TRAILER HITCH

James H. Burnside, Englewood, Ohio

Application February 5, 1947, Serial No. 726,702
6 Claims. (Cl. 280—33.44)

1. A trailer hitch of the ball and socket type for use in towing a trailer by an automobile having a frame and a bumper, said trailer hitch including a draw bar having notches therein, said draw bar being fixedly and permanently attached between the frame and the bumper, means including a ball removably attached to the draw bar, said means including a bar having C-clamps adapted to be projected through the notches in



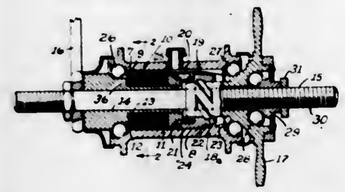
the draw bar and subsequently offset from the notches so as to provide an interconnection between said means and the draw bar.

2,546,665

BICYCLE COASTER BRAKE DISK ALIGNING TOOL

Arthur G. Enander, Rockford, Ill., assignor to Smith & Enander, Beloit, Wis., a copartnership

Application September 27, 1948, Serial No. 51,465
1 Claim. (Cl. 29—271)



As an article of manufacture, a disk aligning tool for the multiple brake disks of a bicycle coaster brake, certain of which disks have three radially projecting lugs spaced circumferentially 120° adapted to fit in keyways in a bicycle wheel hub, said tool comprising an elongated tubular body of suitable material having a bore of uniform diameter from end to end substantially equal to the diameter of the bore of the wheel hub in which the coaster brake is destined to be assembled, whereby said tubular body is adapted to fit over the peripheries of the brake disks, said tubular body having three parallel longitudinally extending elongated slots provided therein, all opening from one end of said body, said slots being of a width substantially equal to that of the lugs and the keyways in the wheel hub and being spaced circumferentially 120° the same as both, whereby said slots are adapted to slidably receive therein and thereby align the lugs on said disks.

2,546,666

SELF-EXAMINATION DEVICE

Max Fleischer, New York, N. Y.

Application May 6, 1946, Serial No. 667,652
10 Claims. (Cl. 35—9)

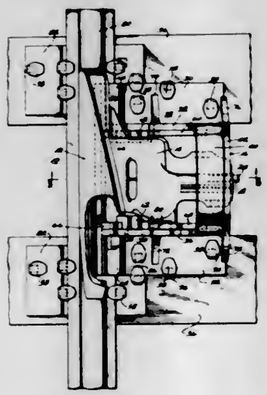
5. A self-examination device comprising at least one question sheet and an electro-sensing device by which the examinee makes his choice of answer by applying said electro-sensing device to said question sheet, each question sheet having imprinted thereon at least one question and in association with each question at least two preformed imprinted markings of identical appearance, one of which is electro-conductive and the remainder thereof being electro-non-conductive, the said electro-sensing device comprising

a tubular casing having a signalling device mounted at one end of said casing, and a pair of contacts insulated from each other mounted at the other end of said casing, a battery contained in said casing, said signalling device, battery and contacts being connected in a circuit



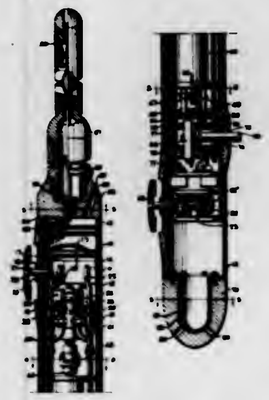
which is broken only between said contacts, said conductive marking being sufficient to close the said circuit between said contacts when the latter are placed thereon, thereby energizing said signalling device.

2,546,667
DERAIL
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application June 14, 1944, Serial No. 540,244
15 Claims. (Cl. 246—163)



7. A derail guide box for a derail having a movable derail block, including in combination, a pair of generally parallel spaced apart side plates, derail block supporting and guiding structure on said plates, a front member secured to and interconnecting said side plates at the front portions thereof, a bridging means secured to and interconnecting said side plates at the rear portions thereof, and means including tie flanges secured to the sides of said plates at a desired angle for supporting the side plates and structure at said desired angle on spaced apart ties.

2,546,668
SIDE-WALL CORING DEVICE
John H. Kirby, II, Houston, Tex.
Substituted for application Serial No. 405,915, August 8, 1941. This application November 23, 1945, Serial No. 630,199½
2 Claims. (Cl. 255—1.4)

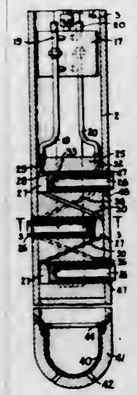


1. A side wall sampling device including, an elongated housing adapted to be lowered in a well bore, an elongated support slidably fitting within the housing, threaded guide means mounted transversely of said support, gear means mounted on said guide means, a cutting tool adapted to be driven by said gear means and extensible sidewardly through an opening in the sidewall of the housing, a pump carried by said support, a pair of ram heads on the exterior of the housing opposite said cutting tool and adapted to be projected outwardly by said pump, driving means carried by said support and connected to drive said gear means and said pump, and power means supplied to said driving means to project said ram heads sidewardly to engage the side wall of the well bore to move the housing into engagement with the well bore wall at the opening for the cutting tool, and to rotate, advance, and retract said tool.

2,546,669
HYDRAULIC SIDE WALL CORING TOOL
John H. Kirby, II, Houston, Tex.
Application May 7, 1946, Serial No. 667,798
9 Claims. (Cl. 255—1.4)

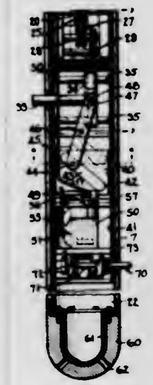
1. A side wall sampling tool for wells comprising a body, a fishing nipple thereon, a wire line head on said nipple, a combination support and electric circuit cable extending through said head and nipple into said body, said body being hollow to form a reservoir for pressure liquid, a motor in said body, a hydraulic pump also in said body and connected for operation by said motor, a sampler tube carrier in said body, a plurality of alternately oppositely facing core tubes in said carrier, a cylinder for pressure fluid enclosing each core tube, a connection from said pump to said cylinders so that said tubes will be forced

laterally from said body by liquid pressure to engage and sample the wall of the well bore, and



means to retract said tubes after the cores have been taken.

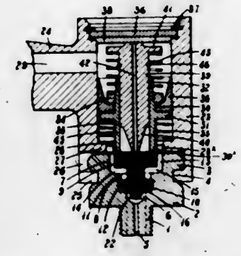
2,546,670
HYDRAULICALLY OPERABLE SIDE-WALL CORING TOOL
John H. Kirby, II, Houston, Tex.
Application December 5, 1946, Serial No. 714,324
5 Claims. (Cl. 255—1.4)



1. A sidewall coring tool for wells comprising a housing, a reversible motor therein, a reversible pump operable thereby, a coring member, means operable from said motor including a carriage and a gearing to rotate said member, a linkage mechanism to move said carriage laterally of said housing, hydraulic means operable from said pump including a plunger to extend and retract said linkage.

2,546,671
LUBRICANT FITTING
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application April 14, 1947, Serial No. 741,361
In Great Britain April 26, 1946
13 Claims. (Cl. 184—105)

1. A nipple fitting comprising a body member having a shank for securing the fitting in a lubricant-receiving passageway in a part to be lubricated and a head, said body member having a variable diameter passageway extending therethrough including at least one portion of enlarged diameter inwardly of the outer end of the passageway, and an axially pierced deformable closure member in said passageway and including an inner end part proportioned to be received in the enlarged intermediate portion of



the passageway for anchoring said closure member against axial movement, and an outer end part including a portion supported from said inner end part in spaced relation to the walls of the passageway adjacent the outer end thereof so that space is provided into which the outer end part of the closure member may expand when pressure is applied thereto in a direction to expand the pierced opening therein radially.

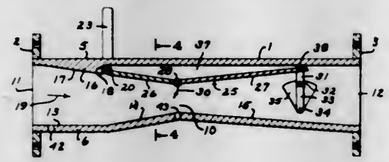
2,546,672
NIPPLE OR LUBRICANT-RECEIVING DEVICE
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application July 10, 1948, Serial No. 37,994
In Great Britain July 25, 1947
17 Claims. (Cl. 184—105)



1. A closure member for closing a lubricant receiving passageway comprising a unitary body member of circular cross section throughout its length formed from resilient fluid impervious deformable material and having an opening extending axially from end to end thereof at least the outer portion of which is a pierced opening which is closed in the relaxed condition of the closure member, said body member having an annular flange on one end of appreciably larger diameter than the outer end of said passageway and relatively thin in axial dimensions, and a supporting shank integral therewith and axially disposed relative thereto extending from one side of the flange, said shank conforming in shape at least along its end remote from the flange, substantially to the shape of the outer end portion of the passageway to adapt the said end of the shank to be snugly received therein for anchoring the closure member with said flange wholly outside the outer end of said passageway and at least a portion of the flange which extends radially outwardly of said shank held free of subjacent support radially of the outer end of the passageway so that the said flange will be deformed to cause the pierced opening to be en-

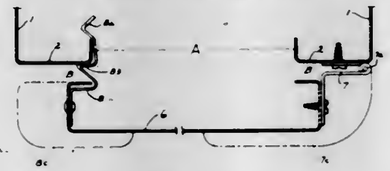
larged radially upon the application of pressure on said flange in the direction of the shank and radially outwardly of the opening.

2,546,673
FLOW CONTROL VALVE
Emory D. Mattix and Charles W. Stokes, Lake Charles, La.
Application July 13, 1946, Serial No. 683,478
5 Claims. (Cl. 138—45)



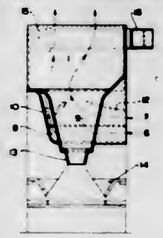
5. A flow control valve comprising, a body having a passage therethrough of substantially rectangular cross section, a shaft extending transversely of the passage at one side thereof and proximate the entrance to the passage, means exteriorly of the housing for rocking said shaft to preselected angular positions, a Venturi plate secured to said shaft and slidably fitting between the side walls of the passage, a second plate having one end pivotally connected to the free end of said first mentioned plate, and means for holding the other end of said second plate in close proximity to the wall of the body so that a diverging passage is formed between the throat formed at the interconnected ends of the plates and the outlet end of the body, said last mentioned means comprising an arm pivotally connected to the body and the second plate respectively.

2,546,674
FURNACE CABINET MEANS WITH COMBUSTION AIR FEEDING DOOR STRUCTURE
Larew J. Milhouse, Elyria, Ohio, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application June 15, 1946, Serial No. 676,964
1 Claim. (Cl. 110—175)



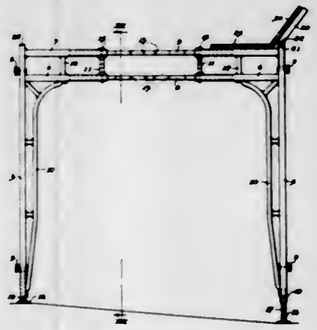
In a furnace having cabinet means and including burner means therewithin, said cabinet means including an interior sub-panel having an opening of concentrated form through which said burner has its combustion air supply, and an outside wall panel having a substantially larger opening leading to said sub-panel: imperforate door means for the opening of said outside panel, mounted on said cabinet to have a predetermined closed position in slightly spaced relation before said panel and thereby provide a narrow combustion air passageway peripheral of said opening therein, and in overlying relation to said opening to conceal said peripheral passageway, said passageway having a total area substantially the same as that of said concentrated opening, and said door means being movable from said outside wall panel to permit free access to said sub-panel by way of said larger opening.

2,546,675
MAGAZINE STOVE HAVING INTERNAL AIR-HEATING CHAMBER MEANS
Karel A. Niermeyer, Leeuwarden, Netherlands
Application May 7, 1947, Serial No. 746,550
In the Netherlands October 12, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1958
3 Claims. (Cl. 126—68)



1. In a stove, in combination, a casing forming a combustion chamber, a fuel reservoir extending into the combustion chamber and having a filling opening at its upper front portion, an air flow duct disposed on each side of said reservoir and forming part of the walls thereof, said ducts extending into and being in heat exchange relationship with said combustion chamber, each of said ducts having an outlet opening at the upper part of the reservoir and exterior of the combustion chamber and two superposed inlet openings in the lower portion of the rear wall of each duct exterior to the combustion chamber, said openings in each duct being separated by a forwardly extending baffle, and a communicating channel at the front of said reservoir connecting the said air flow ducts.

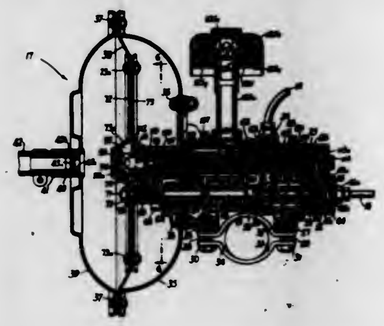
2,546,676
SIDEWALK BRIDGE SCAFFOLD
Thomas C. North, Zelienople, Pa., assignor to Universal Fittings & Scaffolding Company, Zelienople, Pa., a corporation of Pennsylvania
Application October 18, 1946, Serial No. 704,149
1 Claim. (Cl. 304—2)



A scaffold end frame comprising a pair of laterally spaced legs, a pair of vertically spaced tubular horizontal arms secured to the upper portion of each leg and extending toward the other

leg, each pair of arms being provided with aligned vertical openings therethrough, a vertical tubular brace aligned with said openings in each pair of arms with its opposite ends rigidly connected to said arms, a pair of horizontal spacing members slidably mounted in the free ends of said arms to connect them and form therewith a supporting truss for a platform, said spacing members being provided with longitudinally spaced vertical openings therethrough, and a removable pin extending through the vertical openings of each pair of arms and their connecting brace and also through any of said spacing member openings registering with the arm openings.

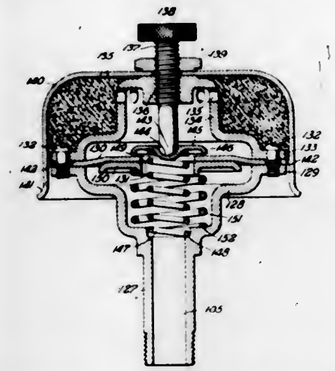
2,546,677
COMPENSATOR VALVE
Edward A. Rockwell, Cleveland, Ohio
Application February 17, 1943, Serial No. 476,245, which is a division of application Serial No. 388,003, April 11, 1941. Divided and this application October 28, 1944, Serial No. 560,864
9 Claims. (Cl. 137—153)



1. A compensator valve having a liquid inlet, a valve enclosure having an outlet chamber in communication with said inlet, a piston valve plunger located in said chamber, having a valve element thereon, means for urging the said element to open position, another valve element movable with regard to said first mentioned element and having a reaction pressure area in said chamber to move the said other valve element in a direction towards closure against said first mentioned valve element when there is an increase of pressure in said chamber above said inlet pressure, and a stop for one of said valve elements whereby the first mentioned valve element can move away from said other valve element to open position, the said two valve elements having a passage between them so as to leave a passage around said first mentioned element when open.

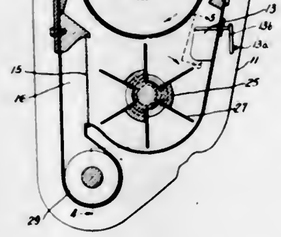
2,546,678
PRESSURE RESPONSIVE VALVE DEVICE
Edward A. Rockwell, Cleveland, Ohio
Application February 17, 1943, Serial No. 476,245, which is a division of application Serial No. 388,003, April 11, 1941. Divided and this application October 28, 1944, Serial No. 560,866
1 Claim. (Cl. 251—119)

An air inlet device comprising a valve housing having an inlet chamber and an outlet chamber, an apertured flexible diaphragm separating said chambers, a spring urging said diaphragm in one direction, a manually adjustable screw mounted in said housing, a valve member engaging said screw normally in contact with said diaphragm and arranged to cooperate with the aperture in said diaphragm to control the pas-



sage of air through said aperture, and a spring for holding said valve member in engagement with said screw.

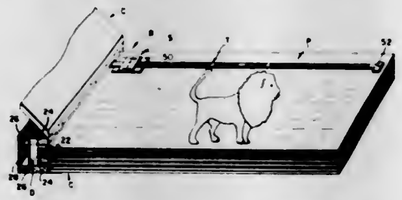
2,546,679
CYLINDER AND CONCAVE MILL WITH MATERIAL RETURN PADDLE
Frederick Rodgers, St. James, N. Y.
Application March 28, 1947, Serial No. 737,831
3 Claims. (Cl. 241—80)



1. In a cylinder and concave mill, a container comprising end and side plates, a rotor, a rotor return paddle, and conveyor means disposed therein, intake opening through said container above said rotor, said rotor having left and right hand helical thread cut on the outside surface portion thereof, said container further comprising baffle bars disposed at the inside surface portion thereof, spaced substantially around the top of said rotor, said rotor return paddle comprising a shaft, a plurality of fan blades disposed around said shaft, means for supporting said rotor return paddle substantially below said rotor in said container with substantially parallel axes, said container further comprising plates disposed on the inside surface portion thereof between said rotor and rotor return paddle in the path of material forced around said rotor and directed toward said rotor return paddle, passageway lead-

ing from vicinity of said rotor return paddle substantially opposite said plates to said conveyor means, outlet means disposed at egress end of said conveyor, concave surface portion disposed substantially around the bottom of said rotor return paddle between said plates and said passageway cooperating with said rotor return paddle, means for revolving said rotor and rotor return paddle toward said plates, and means for actuating said conveyor.

2,546,680
SOUND-ILLUSTRATED BOOK
Harold L. Samuels, New York, N. Y.
Application December 12, 1946, Serial No. 715,790
13 Claims. (Cl. 35—1)



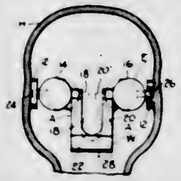
1. A book comprising a plurality of pages dealing with different subjects by text or/and pictorial illustration, a vibratile diaphragm located in and forming a part of said book, a plurality of sound-producing tapes independent of said pages and cooperating with said diaphragm to vibrate the same, the tapes being accessible between the pages of the book, and the tape which is accessible at any one page being so scored as to cause said diaphragm to produce a sound illustrative of the subject on that page.

2,546,681
COMBINATION SEALING DISK AND NIPPLE HOLDER FOR NURSING UNITS
Harold J. Searer, Akron, Ohio
Application July 13, 1948, Serial No. 38,515
8 Claims. (Cl. 215—11)



1. A nursing unit comprising a bottle, a nipple inverted into said bottle and having a lateral flange seating on the outer edge of said bottle, a combined sealing and nipple carrying member having a body portion seating on the flange of said nipple, a projection on one face of said body portion extending into and engaging the open end of said nipple, a beaded portion on said projection to slightly stretch said nipple and insure tight engagement of the latter with said projection, a substantially centrally apertured cap secured over the mouth of said bottle and seating on said body portion of said member, and an extension on the opposite face of said body portion of said member protruding through the aperture in said cap to serve as a handle for carrying said member and said nipple.

2,546,682
DOLL HEAD WITH MOVABLE EYES
John H. Wilhelm, Hamilton Beach, N. Y., assignor to Margon Corporation, Newark, N. J., a corporation of New Jersey
Application August 13, 1946, Serial No. 690,699
15 Claims. (Cl. 46—169)



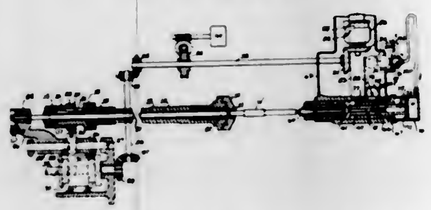
5. An eye set adapted to be movably mounted in a doll head provided with spaced mounting bearings, said eye set comprising a pair of eyes, a weight portion, a pair of spaced weight arms operatively connecting the weight portion with said eyes, and a pair of trunnions each fixedly related to one of the weight arms, said eyes, weight portion and weight arms being integrally molded out of a single body of a moldable plastic, said weight arms being relatively rigid but resiliently yieldable relative to one another an amount sufficient to permit said trunnions to be sprung into said mounting bearings.

2,546,683
CROWN AND TRAVELING BLOCKS AND A REEVING SYSTEM THEREFOR
Forrest J. Young, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 17, 1947, Serial No. 722,487
7 Claims. (Cl. 254—188)



1. In apparatus of the class described having a traveling block suspended from a crown block by a cable rove between the blocks, the improvement comprising, in combination: a primary group of relatively large diameter coaxial sheaves on each block, a secondary group of relatively small diameter coaxial sheaves parallel thereto on each block, the primary group of the crown block being positioned above the secondary group thereof, and the primary group of the traveling block being positioned below the secondary group thereof, the cable being progressively reeved from a large end-sheave of the crown block around the primary group of sheaves in each block to the other large end-sheave of the crown block, and then reeved from a small end-sheave of the traveling block positioned vertically therebelow, and then around the remaining secondary group of sheaves in each block.

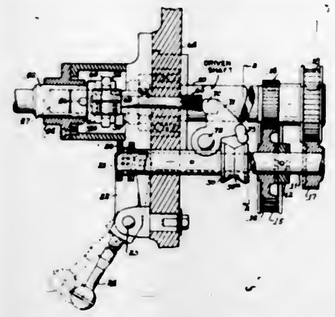
2,546,684
AUTOMATIC LOADING MECHANISM FOR CONTINUOUSLY ROTATED CHUCKS
Richard A. Ashton, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application November 8, 1947, Serial No. 784,815
4 Claims. (Cl. 82—2.7)



1. A lathe comprising a head stock, a tail stock, a hollow work-gripping chuck rotatably mounted in said head stock, work supporting means slidable in said hollow chuck for centering and gripping one end of the work, work supporting means slidable in said tail stock for centering and gripping the other end of the work, positive means for sliding said tail stock means, impositive means for sliding said tail stock means relative to said positive means, positive means for sliding said head stock means, and control means operatively connected to said positive and impositive means to operate said impositive means to cause said tail stock means to engage one end of the work and force its other end into engagement with said head stock means, to then operate said positive means to move said head stock and tail stock means and the work to position said head stock means and its end of the work in gripping position with respect to said chuck and after a work period to reverse said control operation to cause said positive means to move the head stock means and work out of said chuck while gripped by said tail stock means, and thereafter to cause said impositive means to move said tail stock means from the work to release the same.

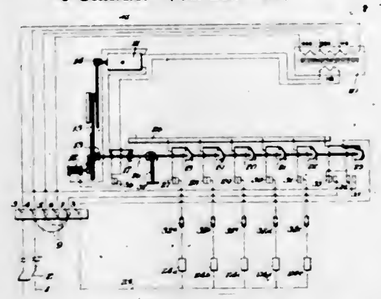
2,546,685
SAFETY DEVICE FOR ROTATED SHAFTS
Richard A. Ashton, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application November 8, 1947, Serial No. 784,817
3 Claims. (Cl. 74—625)

1. In a machine, a driven and rotated shaft, a hand crank slidably mounted on said shaft, means on said driven shaft engageable by said hand crank to turn said shaft, safety means slidable axially on said driven shaft to safety and release positions and permanently associated with said shaft and preventing operative turning engagement of said hand crank with said driven shaft when said safety means is in safety position, a member operatively associated with said safety means and effective to shift said safety means axially to said safety position, means to return said safety means to release position, a device movable axially to control the application of power to rotate said driven shaft, manual means to move said control device to cause power to be applied to said driven shaft, and a part movable with said control device and coacting with said member and through which part movement of said manual means and said



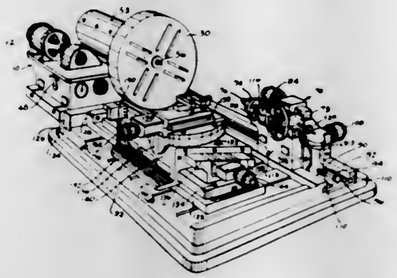
control device to apply power to rotate said driven shaft also moves said member to shift said safety means to safety position and to thereby prevent engagement of said hand crank with said driven shaft.

2,546,686
BLASTING DEVICE
Ferdinand De Witt Bickel, Wilmington, Del., Robert Allen George Earich, Pittsburgh, Pa., and Harold Arthur Lewis, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 21, 1947, Serial No. 736,340
6 Claims. (Cl. 102—27)



1. A mechanically operated timing device for firing charges of explosives by power circuits in predetermined order and at precise time intervals, said device comprising a plurality of firing circuits, said circuits being initially and normally in short-circuited status; a shaft adapted to revolve and carrying a plurality of attachments adapted to cause successive closing of all of said circuits in predetermined order; an electric motor for driving said shaft; means for engaging said motor on application of the electric current; means for effecting automatic removal of short circuits from all circuits prior to the application of firing current; means whereby, after actuation and firing, a return is made in the assembly to a position in which all firing circuits are again short-circuited; and means for disengaging the motor after firing of the last explosives charge, while the electric current is still being applied, all of said operations taking place during less than the course of one complete revolution of the revolving shaft.

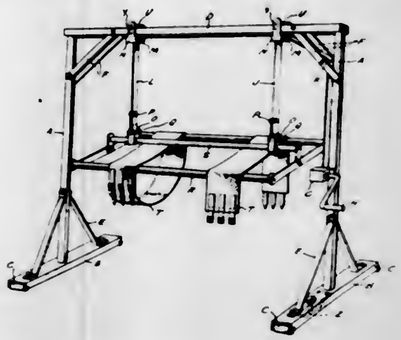
2,546,687
ENGINE LATHE
Stanley A. Brandenburg, Sidney, Ohio, assignor to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application August 24, 1945, Serial No. 612,463
3 Claims. (Cl. 82—21)



1. In combination with a machine tool adapted to rotate a workpiece about an axis of rotation, the provision of an improved tool support, comprising a carriage sub-bed secured in a fixed position relative to said axis of rotation, a carriage bed mounted on said sub-bed, pivotal connecting means to pivotally interconnect said carriage bed and said sub-bed, said carriage bed having inclined carriage support surfaces, carriage means having inclined base surfaces corresponding to said inclined support surfaces of the carriage bed, said base surfaces being other than perpendicular to said pivotal connecting means and cooperating with the carriage support surfaces to support said carriage on said carriage bed for reciprocable movement in a plurality of preselected paths, a cross-slide bed carried by said carriage means, pivot substantially parallel with said pivotal connecting means for interconnecting said carriage means and said cross-slide bed, a cross slide carried by said cross-slide bed for reciprocable movement substantially perpendicular to said pivot means, and means to mount a tool on said cross slide, said tool being adapted to perform work operations on said workpiece, the performance of work operations on said workpiece producing a work thrust on said tool, said cooperating surfaces of the carriage means and carriage bed being inclined substantially normal to the line of work thrust against the tool.

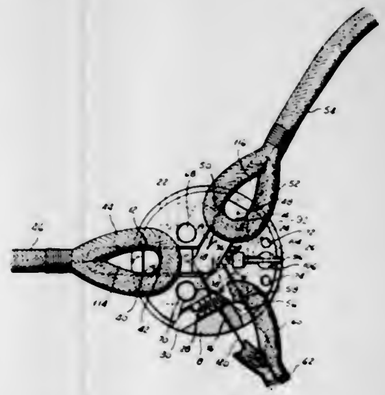
2,546,688
INVALID LIFTING APPLIANCE AND THE LIKE
Cecil Howell Cullen, Langford, near Bristol, England
Application October 1, 1947, Serial No. 777,290
In Great Britain October 17, 1946
2 Claims. (Cl. 5—86)

1. An invalid lifting appliance comprising a movable stand having a pair of uprights spaced apart and bridged by a top member, a pair of rollers the axes of which extend transversely to the length of the top member, supported by the top member and adjustable longitudinally thereof, flexible traction means trained over said rollers each having a depending end portion, a sling-supporting frame supported by the depending end portions of the traction members, and winding means on one of said uprights to which the other end portions of the traction means are secured, said flexible traction means being connected together at a point between the winding means



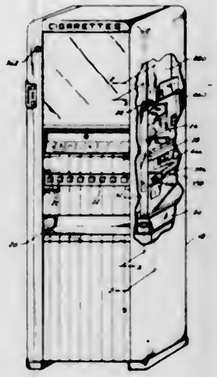
and the roller nearest the upright which supports said winding means.

2,546,689
MULTIPLE-LINE RELEASE MECHANISM
Leonard P. Frieder, Great Neck, and Walter S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application March 31, 1948, Serial No. 18,108
14 Claims. (Cl. 24—73)



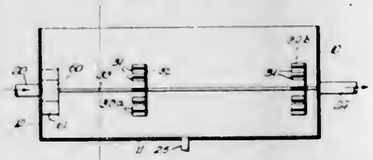
1. A release mechanism for securing a line having an eye at one end thereof, including in combination a housing formed with the re-entrant portion adapted to receive the eye, a bell crank pivoted in said housing having arms extending at an angle to each other, one of said arms adapted to be held in a substantially vertical position across said re-entrant portion and extending through said eye, a reciprocable compression block positioned in said housing between a portion of the housing and the other of said bell crank arms adapted to co-act with the other of said bell crank arms to immobilize the bell crank, and means for reciprocating said compression block.

2,546,690
COIN-CONTROLLED ELECTRICAL VENDING MACHINE
Christian Gabrielsen, Whippany, N. J., assignor to Rowe Manufacturing Co., Inc., Whippany, N. J., a corporation of New York
Application April 6, 1948, Serial No. 19,313
20 Claims. (Cl. 194—1)



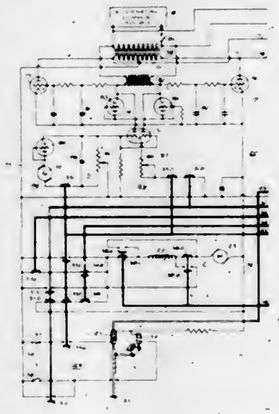
1. A vending machine including in combination a plurality of containers in which the articles to be vended are adapted to be stacked, a plurality of ejectors each adapted to eject an article from a respective stack, an operating member mounted for reciprocating motion, a prime mover, means for initiating the action of the prime mover, means driven by the prime mover for reciprocating the operating member, a plurality of coupling members carried by the operating member for selectively connecting it to a predetermined ejector, a plurality of manually operated means corresponding to the plurality of containers adapted to be selectively operated by a purchaser, means responsive to each manually operated means for actuating respective coupling members and means for operating said initiating means, and coin freed means for preventing the operating of the initiating means.

2,546,691
COAGULATING APPARATUS
Walter H. Green, Geneva Township, Kane County, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application September 3, 1947, Serial No. 771,968
9 Claims. (Cl. 259—6)



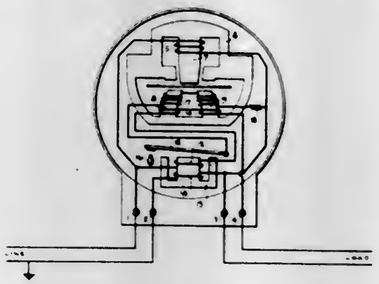
1. Apparatus for coagulation comprising a basin, an inlet into said basin, an outlet from said basin functionally remote from said inlet and establishing the normal liquid level in said basin, said basin being free of partitions interposed in the path of flow from said inlet to said outlet, a rotatable horizontally extending shaft, blade supporting means affixed to, and extending outwardly from, said shaft, a plurality of blades affixed to and extending horizontally from one side of each of said blade supporting means, said blades having a width less than their radial distance from the shaft, said shaft being at an elevation that said blade supporting means are below the normal liquid level in said basin as established by said outlet.

2,546,692
CONTROL SYSTEM
Claude E. Greene and Robert B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company, a corporation of Ohio
Application June 13, 1947, Serial No. 754,552
20 Claims. (Cl. 318—162)



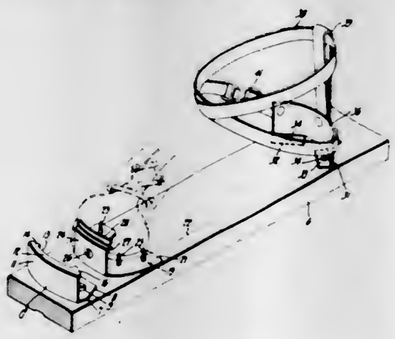
17. In combination with an alternating current source and a machine tool having first and second parts individually movable relative to said machine tool, the provision of a power control system comprising, first drive means for driving the first part along a first line of movement, second drive means for driving the second part along a second line of movement, a grid controlled rectifier system deriving power from said alternating current source and supplying rectified power to both said first and second drive means, and an electrical control system governing the operation of said first and second drive means, said first drive means including a first alternating current series motor and a first gear reduction unit, said second drive means including a second alternating current series motor and a second gear reduction unit, said first and second drive means each having a traverse speed and a slower feed speed, said electrical control system including a pattern, a tracer assembly for scanning said pattern for obtaining intelligence therefrom, switch means controlled by said tracer assembly, first, second and third limit switches actuated by movement of the first and second parts relative to said machine tool, relay means actuated by said switch means and said limit switches for affecting the operation of the electrical control system, and variable biasing means for varying the output of the said rectifier system, said tracer assembly including first and second scanning means, said switch means including first, second and third switch devices actuated by said first and second scanning means, respectively, in accordance with the intelligence from said pattern.

2,546,693
ANTITAMPERING ELECTRIC METER
Carlos L. Jauss, New York, N. Y.
Application July 9, 1947, Serial No. 759,743
5 Claims. (Cl. 171—34)



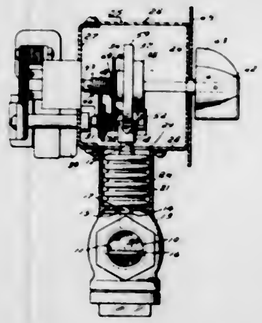
2. In an anti-tampering, watt-hour meter adapted to be connected to a power line and a load line and having a voltage coil and a load coil on a magnetic core, the load coil being connected in series with one side of the power line and one side of the load line, and the voltage coil being connected across the load line; a pair of normally open contacts, an auxiliary coil on said magnetic core, one end of said auxiliary coil being connected to one of said normally open contacts, said auxiliary coil being electrically connected through both of said contacts across the power line upon closure of said contacts, and a relay having a pair of windings respectively connected into both sides of the power line so as to produce equal opposing magnetomotive forces pursuant to currents flowing through said power line to render the relay inoperative, one of said contacts being the armature of said relay and being operated to close the contacts when the magnetomotive forces of the respective relay windings are unbalanced, the currents in said winding being unbalanced when a predetermined difference between the current in the load coil and the load line occurs.

2,546,694
SKI BINDING
John Indahl Johansen, Soda Springs, Calif.
Application October 8, 1948, Serial No. 53,411
2 Claims. (Cl. 280—11.35)



1. A ski binding comprising a toe-engaging mechanism including a piece adapted to be secured to a ski and having a rearwardly directed horizontal portion with a central indentation, a toe plate adapted to be secured to a ski boot and having a vertical lip adapted to fit within said indentation between the sides of said portion, and an arcuate wall adapted to be secured to said ski at a fixed distance from said indentation and to be engaged by the heel of said ski boot when said lip is within said indented portion.

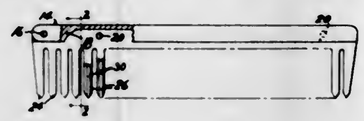
2,546,695
VALVE TIMER
William D. Macgeorge, Havertown, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 16, 1948, Serial No. 21,430
8 Claims. (Cl. 161—7)



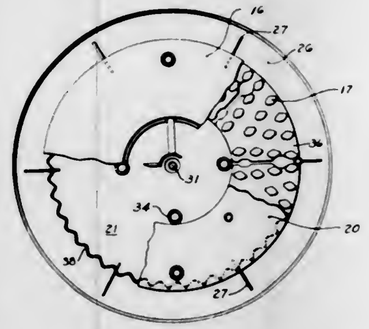
1. A valve timer comprising a valve body including a valve seat, a bellows in the valve body, a valve stem passing through the bellows and into the valve body, a valve on the stem, said bellows coupled at one end to said valve stem and in communication at the other with the valve seat and arranged to bias the valve toward seating on the valve seat, an electric timer comprising a motor, a reduction gear train driven by the motor, a timer gear in mesh with the reduction gear train, a cam shaft, cams mounted on the shaft, said timer gear being mounted on said shaft, means for frictionally coupling the timer gear to said shaft and permitting relative motion of the timer gear and shaft, a cam on said cam shaft operatively mounted relative to the end of said valve stem to permit seating of the valve in one relative position of the cam and the stem, and to unseat the valve in other relative positions of the cam and stem, a manual device for moving the cam shaft to open the valve and predetermine the timed interval without necessarily driving the timer gear, and circuit means operatively coupled to the cam shaft for opening and closing circuits through said motor whereby to run the motor when the valve is opened, and to stop the motor when the valve is closed

2,546,696
COMB
Peter L. Mater, Leominster, Mass.
Application December 22, 1948, Serial No. 66,718
3 Claims. (Cl. 132—18)

1. A comb comprising a pair of solid toothed comb parts, means temporarily securing the comb parts together with the teeth of each part flatly and solidly contacting corresponding teeth of the other part to form single solid combined operating teeth, and each tooth being reduced in thickness adjacent the line of contact with the corresponding tooth thereof, forming combined lateral recesses at side surfaces of the combined teeth.



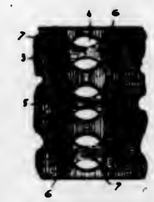
2,546,697
ANNEALING FURNACE
Theodore W. Munford, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application November 4, 1948, Serial No. 58,210
2 Claims. (Cl. 263—47)



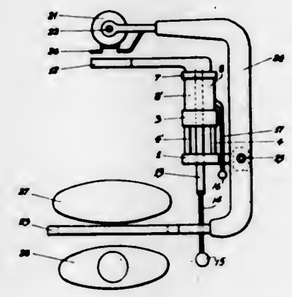
1. A charge support for a furnace base comprising a generally circular refractory pedestal on the base, a metal band surrounding and embracing the pedestal to form a protective outside wall therefor, said pedestal comprising a filling of refractory concrete next adjacent the inner side of said band, and said band having vertical corrugations to permit the band to yield outwardly on cooling by flattening of the corrugations under radial stress applied to the inner side of the band by spall of the like foreign matter which has found its way between said band and pedestal during thermal expansion of said band.

2,546,698
SHEET MATERIAL WITH WEAKENED TEARING LINE
Charles Nicolle, Gentilly, France
Application December 26, 1945, Serial No. 637,262
In France October 20, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 20, 1963
4 Claims. (Cl. 229—66)

1. A multiple package comprising two sheets of plastic material bonded together to form spaced units for receiving packaged articles, each sheet being formed with at least one line of perforations separating the units, said line of perforations consisting of apertures spaced by bridging portions, the apertures of each sheet having a dimension along said line at least equal to the corresponding dimension of the bridging portions of the other sheet, the contacting surfaces of the sheets along the line of perforations and immediately each side thereof being bonded together with the apertures of one sheet aligned and in superposed relation with the bridging portions of the other sheet forming a tearing line between the units having no more than one thickness of material at any given point, whereby the strength of tear is no greater than that of one sheet.



2,546,699
MOVABLE DIAPHRAGM FOR RADIOSCOPIC APPARATUS
Maurice D. Poittevin, Meudon, France
Application February 14, 1947, Serial No. 728,402
In France February 11, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1966
5 Claims. (Cl. 250—105)



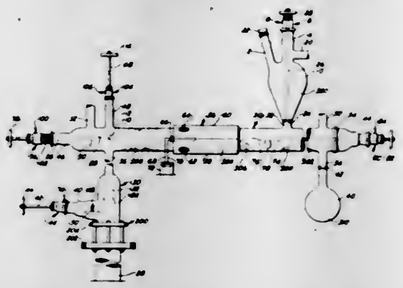
1. A radioscopic apparatus having an X-ray tube, a radioscopic screen in fixed relation to the X-ray tube, a diaphragm between the X-ray tube and the screen, said diaphragm having an adjustable aperture therethrough, a housing in which the diaphragm is mounted, a movable unit comprising said housing and a mechanical system of interconnected members for moving the housing and the diaphragm both transversely and axially in relation to the X-ray tube and to the screen while maintaining a parallel relation between the diaphragm and the screen, said mechanical system of interconnected members comprising a control arm operable at one end from a point in proximity to the screen and connected at its other end to the housing and to the diaphragm carried thereby, and two juxtaposed deformable parallelepipeds articulated in planes perpendicular to each other with the end face of one of the parallelepipeds being parallel to the plane of the housing and rigidly connected to the housing, so that the housing and the diaphragm carried thereby can be displaced in parallel planes as the parallelepipeds are articulated.

2,546,700

MULTIPLE CHISEL STRUCTURE FOR DISINTEGRATING AND REMOVING INCRUSTATIONS FROM INTERIOR WALLS OF RECEPTACLES

Charles H. Prescott, Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Original application September 2, 1944, Serial No. 552,556. Divided and this application November 2, 1945, Serial No. 626,388
4 Claims. (Cl. 15—104.16)



1. An edged tool designed to remove from the wall of a processing chamber a material tenaciously adhering thereto comprising a rod carrying a first chisel adapted to rest upon the wall surface to scrape the material therefrom, the cutting edge of the first-mentioned chisel being substantially perpendicular to the axis of the rod, and a second chisel substantially at right angles to the first-mentioned chisel and projecting ahead thereof while sloping rearwardly therefrom, the cutting edge of the second-mentioned chisel sloping with respect to the axis of the rod, and forming a relatively sharp trihedral angle at the outermost point thereof, whereby portions of the material may be split away from the bulk thereof by the second-mentioned chisel before the first-mentioned chisel can develop a wedge action when the tool is driven in a direction generally parallel to the wall surface.

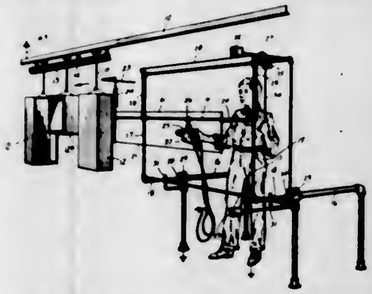
2,546,701

APPARATUS FOR SPRAY COATING ARTICLES IN AN ELECTROSTATIC FIELD

Harold P. Ransburg, Emery P. Miller, and Norman Curtis, Indianapolis, Ind., assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana

Application May 31, 1945, Serial No. 596,870
5 Claims. (Cl. 91—45)

1. Apparatus for spray coating the surface of an article in an electrostatic field, comprising a support for the article, a movable spraying device for creating a spray of atomized coating material directed generally forwardly toward an article on said support, said spraying device having a discharge electrode at its forward end, means including a source of high voltage for maintaining between said electrode and the article on said support an electrostatic field promoting the deposition on the article of the atomized coating material constituting said spray, said spraying device being provided with a handle which is spaced rearwardly from the electrode so that an operator grasping said handle can manipulate the spraying device from without said electrostatic field, means located rearwardly of said electrode and operatively connected to said spraying device at a point thereon in rear of the electrode for guiding said spraying device for movement in and for confining such



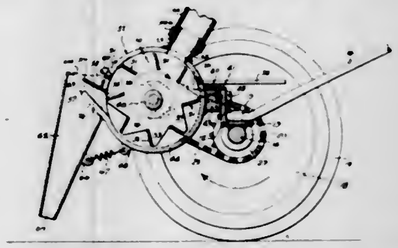
device to a zone extending generally parallel to and spaced from the surface of the article, and a support for said guiding means operative to limit the approach to the article of both the guiding means and the spraying device connected thereto.

2,546,702

GLASS PARTICLE DISPENSING DEVICE

Ralph K. Ready, Saginaw, Mich.

Application November 9, 1946, Serial No. 709,013
3 Claims. (Cl. 275—2)



1. A dispensing vehicle for glass particles or the like, comprising a frame structure, ground wheels mounted on said frame structure, a casing connected to said frame structure and having an inlet and an outlet, a shaft journaled in said casing, a rotor on said shaft in said casing having particle feeding blades thereon, an upwardly-directed barrier connected to said outlet and having an overflow edge positioned for overflow of said particles thereover in response to the rotation of said rotor, said barrier having its overflow edge positioned above the level of the axis of rotation of said shaft and mechanism drivingly connected to said rotor to rotate said rotor and its blades in a direction upwardly toward said overflow edge of said barrier.

2,546,703

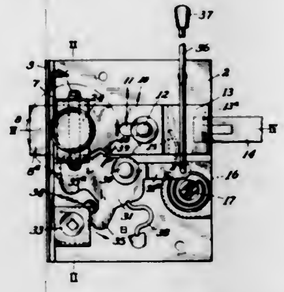
AUTOMOBILE DOOR LOCK

Thomas A. Scanlan, Lakewood, Ohio, assignor to The Eastern Malleable Iron Company, Cleveland, Ohio, a corporation of Connecticut

Application August 24, 1945, Serial No. 612,438
11 Claims. (Cl. 292—170)

4. An automobile door type of lock comprising a supporting structure, a bolt slidably mounted on the supporting structure, a connecting link

secured to one end of the bolt for moving the same, a push button assembly supported for movement in a direction normal to the plane of movement of the bolt, spring means for normally urging the push button assembly in a direction away from the bolt, the push button assembly including an inclined cam element, roller means on the bolt for co-operation with the inclined cam element of the push button assembly, the push button assembly serving, when moved toward the bolt by engagement of the cam element roller, to



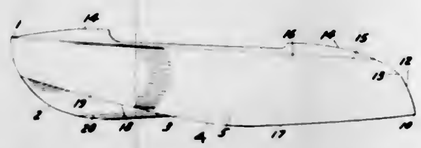
retract the bolt, and selectively operable means for preventing movement of the push button assembly toward the bolt, said last named means including a lever having an abutment movable into and out of the path of movement of the push button assembly, there being cooperating surfaces on the bolt and the lever whereby the abutment is moved out of the path of movement of the push button assembly when the bolt is retracted, and means for operating said lever to move said abutment into and out of the path of movement of said push button assembly.

2,546,704

CONCAVE BOTTOM BOAT HULL

Robert D. Sweeny and Wencel L. Coutchure, Toledo, Ohio, assignors to Wm. H. Cook, Toledo, Ohio, trustee

Application May 16, 1946, Serial No. 670,161
1 Claim. (Cl. 114—62)



A bilaterally symmetrical boat hull comprising a bottom, a pair of sides, a stern and a prow, said hull being provided with side edges at the bottom lying in a plane from the stern, said edges then rising and bowing inwardly to form a junction centrally of the prow, the prow having a convex downward extent past said junction and to a medial straight line for the bottom extending to the stern in approximate parallelism with said plane, the hull bottom from the prow flaring outwardly to the bowing portion of the side edges with the bottom flaring to approach a transverse straight line to intersect the medial line, the bottom then in extent aft being of concavity increasing to the plane, with the concavity of the bottom then narrowing to form a medial throat spaced by an abrupt flare from the stern.

2,546,705

METHOD OF LAMINATING POLYVINYL ALCOHOL FILM TO PAPER AND PRODUCT

Jay F. Strawinski, Philadelphia, Pa.

No Drawing. Application August 19, 1947, Serial No. 769,517
10 Claims. (Cl. 154—124)

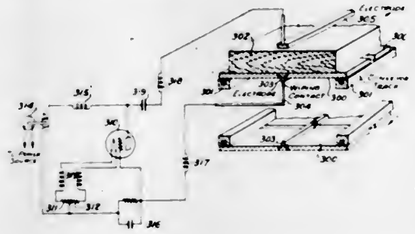
2. The method of making laminated sheet material which comprises increasing the area of a sheet of polyvinyl alcohol film by stretching the sheet in a plurality of directions, applying directly to the surfaces of the stretched sheet with aqueous moistening exterior webs of porous thin fibrous sheet material, and restraining the laminated material from shrinking during drying.

2,546,706

METHOD OF RAPID DRYING OF LUMBER AND OTHER MATERIALS

Everett R. Taylor, Piedmont, Calif.

Application November 1, 1944, Serial No. 561,394
2 Claims. (Cl. 219—47)



1. The method of drying a solid stick of lumber which includes using said stick as a dielectric in an electrical condenser and sending alternating current therethrough in a substantially planar vertical section along the length of said stick and in a direction approximately parallel to the grain thereof so as to heat first a very narrow vertical and longitudinal strip through said stick; then as said initial strip dries and its dielectric properties are thereby changed, to heat an immediately adjacent incremental strip; and to continue heating next adjacent incremental strips as one dries until the entire stick is dried.

2,546,707

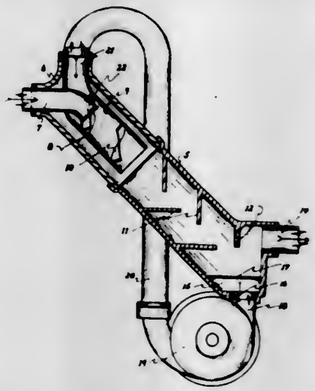
BAFFLE TYPE EXHAUST SILENCER

John Wallingford, Perkins Mills, Quebec, Canada

Application July 5, 1947, Serial No. 759,137
4 Claims. (Cl. 181—51)

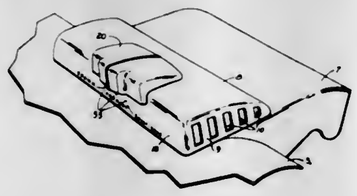
1. A silencing apparatus for the exhaust of internal combustion engines comprising in combination with the engine's exhaust pipe, a concentric vortex-producing declining tube surrounding the outlet of said exhaust pipe, a stream of fluid driven through said tube and combining with the engine's exhaust therein, said vortex-producing tube beginning in advance of and continuing far beyond the end of said exhaust pipe and having approximately twice the cross-sectional area of said pipe, stream-buffeting, separating baffles beyond said tube and separate

outlets for the exhaust gases and the driven fluid respectively the former being at the top of the



lower end of the silencer and the fluid outlet issuing from a well in the bottom.

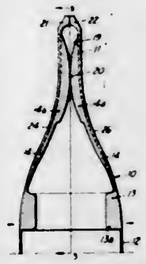
2,546,708
COVER VENT
George C. Weingardt, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 18, 1946, Serial No. 703,950
7 Claims. (Cl. 220—44)



5. Vent control mechanism for a roaster having a vented cover comprising a vent mechanism housing removably mounted on said cover over said vents, said housing having apertures in its wall not in line with the vents in said cover, a vent closing slide removably mounted on said cover within said housing, a manually operable slide mounted on the exterior of said housing and having a projection extending into said housing through another aperture in the wall thereof, resilient means for retaining said manually operable slide on said housing and means for detachably connecting said projection to said vent closing slide.

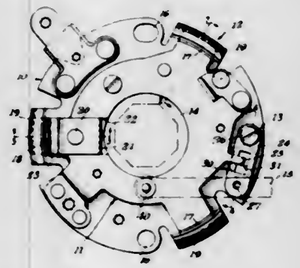
2,546,709
SELF-CLOSING TUBE
Garfield Abarr, Napa, Calif.
Application July 22, 1949, Serial No. 106,132
4 Claims. (Cl. 222—213)

1. In a self-closing tube formed of resilient material, a pair of lips forming a discharge orifice, said lips being normally in closed position, a laterally disposed rib extending around the inner circumference of said tube and two pairs of longitudinally disposed ribs extending from said laterally disposed rib toward said lips, each pair of said longitudinal ribs engaging at a point adjacent said lips, said longitudinal ribs



also forming channels from the area within said tube to said lips.

2,546,710
BREAKER PLATE ASSEMBLY FOR DISTRIBUTORS
Seth E. Aldridge, San Diego, Calif.
Application February 28, 1947, Serial No. 731,568
17 Claims. (Cl. 200—19)

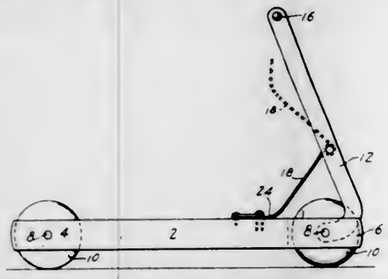


7. A breaker plate assembly adapted to be fixedly mounted in a distributor housing, said assembly comprising a pair of members one above the other, angularly spaced and fixedly carried peripheral means on each member for connecting the members for oscillation of one with respect to the other, said means comprising slidably engaged peripheral sections of the members, and means for limiting the degree of oscillation, said latter means comprising a lug on one member and an element secured to the other member and having an oscillation-limiting opening into which said lug projects.

2,546,711
SCOOTER
Charles G. Amendt, Lancaster, Ohio
Application October 19, 1948, Serial No. 55,365
3 Claims. (Cl. 280—87.05)

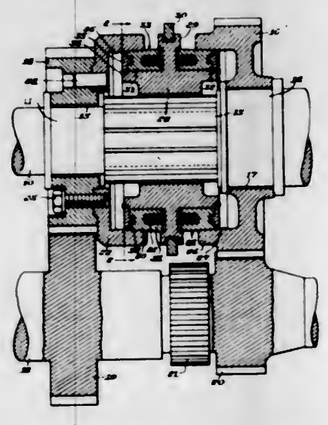
1. In a scooter having a base provided fore and aft with oppositely disposed arms forming a wheel receiving recess and axles journalled in the arms transversely of the base for rotatably mounting supporting wheels thereon the improvement comprising, a handle formed of a pair of complementary shaped flat bars, a handlebar fixed in the upper ends of the flat bars at right angles thereto, alined apertures in the lower ends of the flat bars for pivotally mounting the handle on the base, a pivot pin carried by the bars transversely thereof, a brace bar pivotally mounted on said pin, and said brace bar having a flat free end provided with a slot therein, a fastening means

on said base adapted to be received in the slot in the brace bar and latching means on said base adjacent said fastening means and adapted to



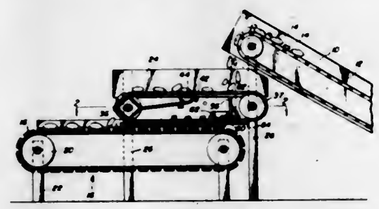
coact with said fastening means above the free end of said brace bar to retain the free end of said brace bar on said fastening means.

2,546,712
SPRAG TYPE SYNCHRONIZER DEVICE
Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application August 30, 1947, Serial No. 771,434
7 Claims. (Cl. 192—53)



1. A drive coupling assembly comprising: a first rotatable member including a hub having an outer annular surface; a concentrically arranged second member journaled with respect to the first member and having a portion provided with an annular inner surface encircling the outer annular surface of the hub in annularly spaced relation thereto; at least one of said surfaces tapering as the section of a cone about the axis of the members and said members being relatively axially shiftable between engaging and disengaging positions; means carried by one of the members for coupling the members together including a plurality of wedge elements, each having an inner face and an outer face and opposite sides, each side defining a straight line and lying on a radius from the axis of the assembly and the elements being arranged with a side of each element abutting in substantially full surface contact the proximate side of its neighboring element and lying in a circle about said axis to form a segmented ring loosely encircling the hub of the first member and loosely encircled by the inner surface of the second member, one of the faces of each of said elements being tapered according to the aforesaid tapering member surface so that the segmented ring may be frictionally engaged between the member surfaces when the members are shifted relatively axially to engaging position, said elements having a mean dimension radius-wise of the assembly less than, and a mean diagonal dimension greater than, the mean radial dimension between the inner and outer surfaces of the members so that said elements may, after the aforesaid frictional engagement, cock and wedge between the members to provide a driving connection between the members for rotation together.

2,546,713
DIRT ELIMINATOR FOR POTATO SORTING MACHINES
Burr C. Baldwin, Twin Falls, Idaho
Application July 20, 1948, Serial No. 39,713
4 Claims. (Cl. 209—308)

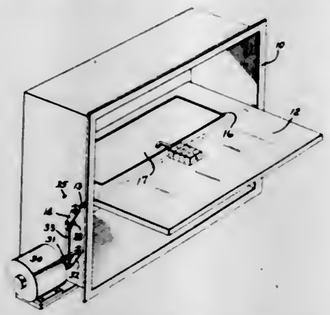


1. In a potato sorting machine including an elevator and a sorting table; a dirt eliminator interposed between said elevator and said sorting table comprising a frame, a conveyor mounted on said frame, an endless foraminous member movable with said conveyor for advancing potatoes received thereon from the elevator, a shelf beneath the lower flight of said foraminous member and above said sorting table, means driven by said conveyor for agitating said foraminous member to loosen dirt and small potatoes therefrom and urge them through the upper flight of said foraminous member, adjustable means resiliently mounted to said frame adjacent the discharge end of said conveyor for discharging small potatoes onto said sorting table, and means below said conveyor for receiving and discharging dirt, said potato discharge means including a substantially V-shaped plate disposed transversely of said conveyor between the upper and lower flights of said foraminous member and immediately adjacent said lower flight.

2,546,714
MOTOR OPERATED FLUE DAMPER CARRYING A PRESSURE OPERATED AUXILIARY DAMPER
Gerald S. Bataille, Appleton, Wis., assignor to William J. Adams, Chicago, Ill.
Application February 18, 1946, Serial No. 648,244
12 Claims. (Cl. 110—163)

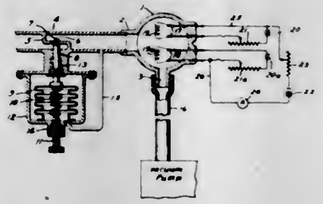
3. For use in the flue of a fuel burning boiler provided with a motor driven blower for intermittingly operating said boiler under forced draft, the combination with a flue inlet fitting having an air inlet of a normally open main damper for said air inlet, and means for holding the main damper closed while the motor is in operation,

said main damper having an opening provided with a barometric auxiliary damper operable for



the admission of air into the flue when the main damper is closed.

2,546,715
GAS ANALYZER DETECTING DEVICE
Howard I. Becker, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application May 17, 1950, Serial No. 162,563
2 Claims. (Cl. 175—183)



2. In a device for continuously analyzing a flow of gas to detect a chemical change therein, a globular-like shell defining a central air space, an inlet conduit connected to said tube to admit thereto a continuous supply of the atmosphere to be analyzed, a throttle valve in said inlet conduit comprising a flow obstructing partition defining a port for the admission of the atmosphere to be tested to said shell, a bellows and a needle actuated thereby to vary the area of said port to regulate the flow of atmosphere to be analyzed, a conduit connecting said bellows to said shell, said bellows operating in response to the pressure within said shell to vary the area of said port to maintain constant the pressure within said shell, an outlet conduit connected to said shell, means connected to said outlet for evacuating said shell and to draw a continuous supply of atmosphere therethrough, a pair of electrodes positioned in said shell, means for electrically heating each of said electrodes, a plate power supply comprising a power source, a variable resistor, and a device responsive to a change in current flow in said power source, said power source connected across said electrodes to produce an electron flow across them when said shell is evacuated to a pressure below 3 centimeters of mercury absolute, said variable resistor regulating the electron flow across said electrodes for a stable atmospheric condition, said current change responsive device operating in response to the introduction of a changed atmospheric condition into said shell which varies the electron flow across said electrodes.

2,546,716
SEPARABLE SNAP FASTENER TYPE SOCKET MEMBER
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 25, 1947, Serial No. 736,978
2 Claims. (Cl. 24—217)



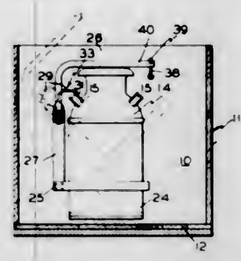
1. A snap fastener socket member adapted for fastening engagement with a circular stud comprising a sheet metal socket body having a bottom wall, side walls integral with said bottom wall and extending angularly therefrom in converging relation presenting a restricted multi-sided stud-receiving opening, the outer end of each of said walls forming a side of said opening, and a support-engaging rim connected to said walls at their outer ends and being of less width adjacent the mid-points of said sides to increase the flexibility of the sides adjacent the mid-points thereof relative to the ends thereof.

2,546,717
GARMENT HANGER WITH SPRING CLIPS
Percival Alfred Alexander Beetlestone and Heinz Werner Gordon, Hatfield, England, assignors to said Gordon
Application March 19, 1947, Serial No. 735,570
In Great Britain June 13, 1946
2 Claims. (Cl. 223—96)



1. A clothing hanger and stretcher, comprising an elongated supporting rod, at least two spring clips mounted on said rod, each of said spring clips comprising a pair of opposed members having substantially centrally disposed bearing surfaces for pivotal engagement around said rod, complementary jaws formed on each of said members, a split spring ring encircling said rod adjacent each pair of opposed members with the opposite ends of said rings in tensioned engagement with respective opposed members at points which are eccentric with respect to the axis of said rod to normally urge the jaws of each pair together, and simultaneously effect frictional engagement of the bearing surfaces of said opposed members with said rod, the separation of said jaws acting upon said spring rings to cause a binding of said bearing surfaces on said rod and prevent displacement of said opposed members on said rod, a longitudinally extending rib on one side of said rod adapted to be engaged by said opposed members to limit rotation thereof on said rod, and means for suspending said rod.

2,546,718
MILK COOLER
Charles K. Billings, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application October 15, 1949, Serial No. 121,559
6 Claims. (Cl. 134—105)



1. In combination with a liquid-filled receptacle and a can, a frame pivotally supported on said receptacle adapted to receive said can, said frame including a hoop-shaped band adapted to encompass a bottom portion of said can to position said can with respect to said frame; means to rock said frame from a first position wherein said can may be placed within said frame to a second position wherein said can is substantially immersed in the liquid, said means including a lever rockable with said frame; and lever engaging means to lock said frame in said second position, said means including a hook-shaped member mounted on said receptacle adapted to hook over said lever.

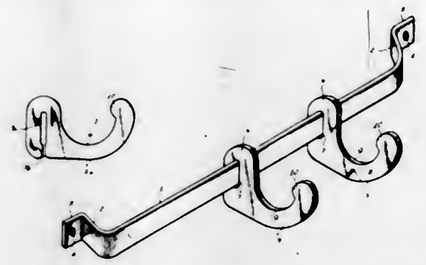
2,546,719
METHOD AND APPARATUS FOR SOLDERING
Carl F. Block, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application January 5, 1950, Serial No. 137,004
1 Claim. (Cl. 219—12)



A method for joining metallic building panels having adjoining flanged edges comprising the steps of forming a groove in each of said flanged edges so as to define a passageway between the adjoining edges, inserting a composite soldering device including a heating wire sheathed with dielectric insulation and solder and having a flux layer thereon in said passageway, and passing electrical current through said wire to thereby create heat therein for melting said solder and soldering said panels together.

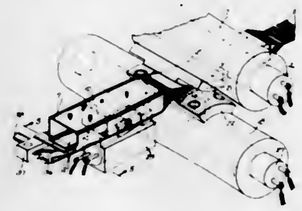
2,546,720
NECKTIE RACK
Abe R. Brothers, Brooklyn, N. Y.
Application May 19, 1948, Serial No. 27,969
1 Claim. (Cl. 211—87)

A necktie rack comprising: a horizontal bar of rectangular cross section, having ends offset inwardly from said bar for attachment of the bar to a firm support with the bar in horizontal position, there being mounted on the bar a plurality of brackets, each of which embodies a base provided therein with a slot slidably embracing the bar and of corresponding cross section and the base of each bracket being provided with a hook portion extending forwardly and having an upturned end, said slot having a constricted mouth extending downwardly from the base to



the lower edge of the bracket to permit the bracket to be snapped onto or off the bar, and opposite faces on each of the brackets being flat, each of the brackets being of flat stock of uniform thickness throughout with opposite faces of the stock in vertical parallel planes.

2,546,721
WRAPPING MACHINERY AND METHOD
Samuel J. Campbell, Green Bay, Wis.
Application May 4, 1946, Serial No. 667,398
13 Claims. (Cl. 93—3)

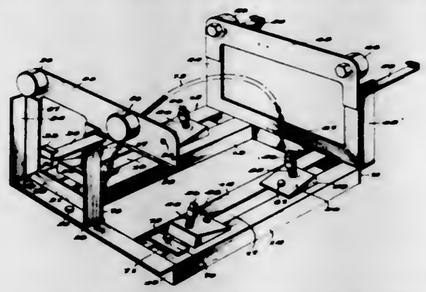


11. In a wrapping machine, the combination with a tube former having lapping flanges for forming a wrapper tube with lapped margins, and means for drawing a web therethrough in continuous movement, of a suction tube projecting laterally between the moving margins for evacuating air from the interior of the wrapper tube in the course of such movement, and a sealer positioned to engage and seal such margins in the course of the advance of such wrapper tube beyond the suction tube.

2,546,722
MACHINERY SUPPORT
Albert Carter, Port Carbon, Pa.
Application August 13, 1946, Serial No. 690,279
8 Claims. (Cl. 248—3)

1. A device for supporting machinery normally carried by spaced frame members, comprising a pair of spaced upright side support members, transverse members fixed to the lower portions of said side support members and spaced from each other to provide trackways, at least one jack movably mounted in said trackways, and rollers mounted on the upper portions of said side mem-

bers and engageable with side surfaces of said spaced frame members to suspend said device



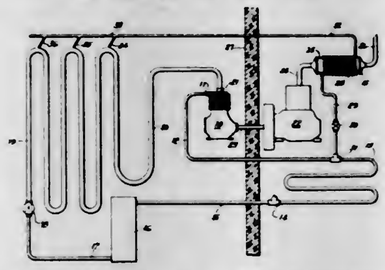
from said spaced frame members for movement along said frame members.

2,546,723

AUTOMOTIVE TRUCK REFRIGERATION APPARATUS DEFROSTING MECHANISM

Adna R. Clark, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application November 16, 1948, Serial No. 60,285
12 Claims. (Cl. 62—115)



1. In a refrigeration apparatus employing an internal combustion engine for driving the refrigerant compressor, a defrosting device, comprising: means including a tube-like member containing refrigerant and adapted for positioning in heat exchange relation with the heated exhaust gases of the internal combustion engine; and conduit means for connecting opposite ends of said member respectively and directly into the high and low pressure portions of the refrigeration apparatus.

2,546,724

LIQUID COATING COMPOSITION FOR THE SELECTIVE TRANSMISSION OF LIGHT

Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C., a corporation of Delaware

Application April 11, 1947, Serial No. 740,833
7 Claims. (Cl. 106—288)

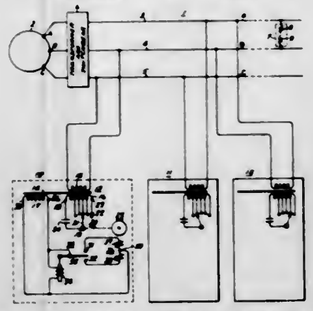
1. A liquid coating composition capable of being applied as a film to bodies to be coated, said composition consisting essentially of a mixture of phthalocyanine pigment with a solution of soluble dyes selected from the group consisting of yellow and orange dyes and a blue dye dissolved in a solvent dispersed in the composition vehicle in proportions not exceeding about 1.0 to 1.4 percent of the composition to impart to a film thereof the properties of substantially absorbing all wave lengths of light in the ultra violet, violet and blue regions below 4900 angstrom units and substantially between 6300 and 6700 angstrom units, and having at least ten percent transmission of light between 4900 and 6300 angstrom units, said soluble dye mixture constituting approximately from 0.2 to 0.7 percent of said composition.

2,546,725

PHASE BALANCING APPARATUS

Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 29, 1949, Serial No. 124,410
4 Claims. (Cl. 171—97)



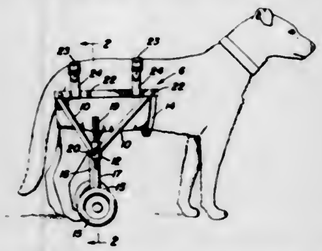
1. In a polyphase electrical transmission system having an unbalanced load connected thereto, transformer means associated with the phases of said system and having an adjustable tap voltage corresponding to each of said phases, a reactive element associated with each of said phases and connected to the transformer tap voltage corresponding thereto, and means to adjust said tap voltages individually to provide reactive currents in said system to tend to balance the phase voltages and currents therein.

2,546,726

MOBILE SLING FOR CRIPPLED ANIMALS

Carl C. Creamer, Jr., Washington, D. C.

Application September 30, 1948, Serial No. 52,023
4 Claims. (Cl. 119—1)



1. An ambulatory-type mechanical aid for crippled dogs and the like comprising an abdominal embracing suspensory-type canvas sling provided, at one end portion, with leg openings; a pair of wheel-supported frame units, opposite end portions of said sling being detachably connected with said units, a substantially rigid strap member connecting said units in spaced parallelism, said strap member being longitudinally curved, and harnessing straps, said straps being adjustable and connected with said frame units and being adapted to extend across the back of the dog, whereby to permit the body of the dog to be strapped and cradled in said sling between the frame units, with the legs of the dog extending through said leg openings.

2,546,727

TOBACCO CUTTING MACHINE

George Dearsley, London, England, assignor to Molins Machine Company Limited, London, England, a British company

Application August 1, 1947, Serial No. 765,392
In Great Britain August 7, 1946
3 Claims. (Cl. 146—108)



1. A tobacco-cutting machine having a rotatable head and a plurality of cutting blades rotatable with the head, grinding means to grind each blade on rotation of the head, and automatic feeding means operable on rotation of the head to feed all the said blades forwardly at a slow rate, the machine comprising in combination, manually operable feeding means to feed an individual blade forwardly whereby freshly installed blades can be fed rapidly into position, a gauge having a stop surface against which the cutting edges of freshly installed blades are brought by said manual feeding means in order properly to locate all the blades before the latter are ground to proper and uniform shape by rotation of the head, means to move said gauge to an inoperative position away from the rotary path of said blades, said automatic feeding means comprising a clutch, independent feeding means for feeding all the blades simultaneously, during rotation of the head, at a faster rate than that at which they are fed by the automatic feeding means, and means operable by the independent feeding means to disengage said clutch whereby the independent feeding means overrides the automatic feeding means, whereby the blades can be rapidly ground to shape by feeding them at the faster rate and thereafter ground at a slow rate by the operation of said automatic feeding means.

2,546,728

TURPENTINE TIN INCISION AXE

Mirah L. Dell, Nicholls, Ga.

Application August 2, 1948, Serial No. 42,053
3 Claims. (Cl. 47—12)



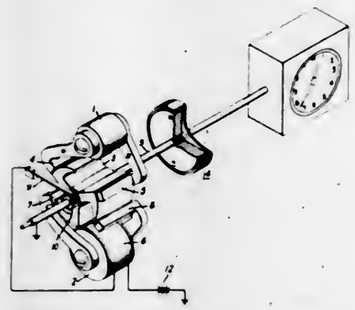
1. In an axe, a crescent-shaped blade provided with a cutting edge, a head provided with a socket secured to said blade, a handle seated in the socket in said head, an apertured ear projecting from one end of said blade, and an attachment pivotally connected to said ear for maintaining said axe in position during use, said attachment comprising an open-ended casing provided with a socket, a pair of apertured lugs arranged in spaced, parallel relation with respect to each other and secured to said casing for the reception therebetween of said apertured ear, a bolt extending through said apertured lugs and ear, a hook having one end slidably seated in the socket in said casing, a cap closing the open end of said casing, there being an opening arranged centrally in said cap for the slidable support of said hook, and resilient means for biasing the end of said hook into the socket of said casing.

2,546,729

MAGNETIC MOTOR

Floyd O. De Millar, Sherborn, Mass., assignor to Telechron, Inc., a corporation of Maine

Application May 5, 1949, Serial No. 91,488
5 Claims. (Cl. 172—36)

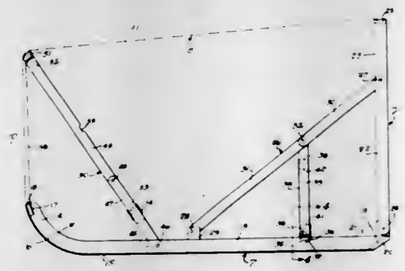


1. An electric motor comprising a multipolar magnetic rotor with evenly spaced pole pieces, a stator having at least two bipolar magnets with a pole spacing corresponding to the rotor pole spacing and positioned at different points about the rotor to cooperate magnetically with the rotor pole pieces, said stator and rotor pole pieces being relatively shaped to produce a progressively decreasing air gap reluctance characteristic in one direction over a rotor movement corresponding to approximately one-half pole space when a rotor pole is adjacent to and passing by a stator pole, said two stator magnets being spaced apart about the rotor such a distance that when the rotor has a minimum reluctance position with respect to one magnet it has a substantially greater reluctance position but not its maximum reluctance position with respect to the other magnet and vice versa, and means for magnetizing said bipolar stator magnets, one continuously and the other intermittently, the torque produced by the intermittently energized magnet when magnetized predominating over that produced by the constantly magnetized magnet.

5. An electric motor comprising a rotor having three equally spaced magnetic pole pieces and a stator having four pole pieces, a permanent magnet for energizing two of said stator pole pieces at opposite polarities, an electromagnet for energizing the other two stator pole pieces at opposite polarities, the permanent magnet pole pieces being spaced apart adjacent one portion of the rotor a distance corresponding to the ro-

tor pole spacing and the electromagnetic pole pieces being spaced apart a corresponding distance adjacent a diametrically opposite part of the rotor, said rotor pole pieces extending in a peripheral direction a distance sufficient to bridge between a permanent magnet pole piece and an electromagnet pole piece which are adjacent to each other and having an air gap relation such that when in such bridging relation the reluctance between the bridging rotor pole piece and the bridged stator pole pieces is greatest at the leading edge of such rotor pole piece, and means for intermittently energizing said electromagnet such that its magnetic strength action on the rotor when energized exceeds that of the permanent magnet.

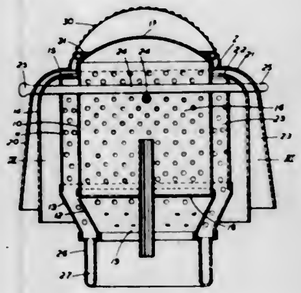
2,546,730
ICE-FISHING SHELTER
Fred Dickerson, Bellaire, Mich.
Application June 15, 1948, Serial No. 33,207
2 Claims. (Cl. 135—4)



2. A foldable ice-fishing shelter comprising a sled, a pair of approximately U-shaped supports spaced longitudinally from one another along said sled and having their free ends pivotally connected to said sled and swingable selectively from folded positions alongside said sled to extended positions projecting outward from said sled, a tent-like cover of flexible material disposed over said supports and connected to said sled, one of said supports being pivotally connected to said sled near one end thereof and extending substantially perpendicular to said sled whereby to serve as a base for said shelter when said sled is raised to an upright position with said sled forming a side wall of said shelter, a bracing structure foldably connecting said last-mentioned support to said sled, and a cross member disposed transversely to said sled and secured at its opposite ends to said bracing structure.

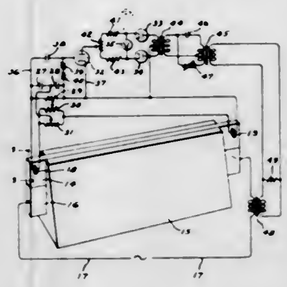
2,546,731
COMBUSTION TUBE FLUID FUEL BURNER
Walter James Duff, Ilford, England
Application February 10, 1947, Serial No. 727,685
In Great Britain February 16, 1946
6 Claims. (Cl. 158—86)

1. A vaporising oil burner comprising an annular fuel trough surmounted by inner and outer perforate walls defining an annular combustion chamber, an imperforate wall surrounding said outer perforate wall and defining therebetween an annular primary air passage open to atmosphere at the bottom and closed at the top, a second imperforate wall surrounding said first-mentioned imperforate wall and defining therebetween an annular secondary air passage open to atmosphere at the bottom, said imperforate walls being directed radially inwards at the top and extending over and partially closing said



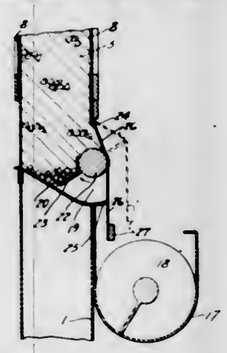
combustion chamber to direct the whole of the air rising through said secondary air passage across the path of and into admixture with the vaporised fuel within said combustion chamber.

2,546,732
METHOD OF LOCATING INTERSTRAND SHORT CIRCUITS IN STRANDED ARMATURE BARS
Robert F. Edgar, Pattersonville, N. Y., assignor to General Electric Company, a corporation of New York
Application February 1, 1950, Serial No. 141,808
1 Claim. (Cl. 175—183)



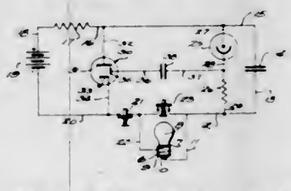
The method of locating interstrand short circuits in stranded armature bars, which comprises placing the armature bar within a slot in a slotted magnetic fixture so that the ends of the bar extend beyond the ends of said fixture, producing alternating magnetic flux across the slot in said fixture, whereby circulating electric currents are produced through short circuited strands of the armature bar, exploring both ends of the armature bar simultaneously with search coils, so that circulating currents through short circuited strands induce voltages in the search coils when adjacent to such strands which are in phase with the magnetic flux across said slot, said search coils being moved simultaneously by equal amounts across the width of the armature bar so that the respective coils are always adjacent to opposite ends of the same strands, and detecting the difference between values of such voltages induced in the respective coils.

2,546,733
SINGLE-VANED ROTARY DISCHARGE ASSISTANT OPERABLE IN A SIDE OUTLET OF A CONTAINER FOR GRANULAR MATERIAL, AND A WEIGHTED APRON ENGAGING SAID VANE IN ITS OUTERMOST POSITION
Odean Enestvedt, Sacred Heart, Minn.
Application December 12, 1946, Serial No. 715,711
3 Claims. (Cl. 222—410)



1. Means for controlling the flow of granular materials from a container having a discharge opening in the side thereof, said means comprising a horizontally disposed rotary shaft disposed in said opening with its axis parallel to the plane of said opening, said plane intersecting the cross section of said shaft in such a manner that a portion of said cross section extends outwardly beyond said plane, a single radially projecting longitudinally extending vane on said shaft, a longitudinally extended lip projecting laterally outwardly from the bottom of said opening, and a flexible apron hinged to the upper edge of said opening and yieldingly biased toward engagement with said shaft and the extended edge of said lip, said lip projecting laterally outwardly from said plane a distance at least equal to the portion of said shaft outwardly of said plane.

2,546,734
REMOTELY CONTROLLED FLASH UNIT
Edward R. Farber, Milwaukee, Wis., assignor to Strobo Research, Milwaukee, Wis., a corporation of Wisconsin
Application March 19, 1947, Serial No. 735,759
3 Claims. (Cl. 67—31)



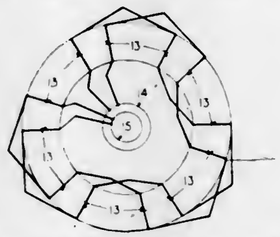
1. In a flash-bulb firing system, a capacitance, a charging circuit comprising a voltage source in series with the capacitance, a discharging circuit, comprising a firing switch means and at least two terminals in series with the capacitance, the terminals being adapted for connection to the igniting element of a flash-bulb, a control circuit for controlling the firing switch means comprising a radiant energy responsive means in series with the voltage source, and circuit closing means in the said control circuit, the circuit closing means comprising means to complete the control circuit only when a flash-bulb is connected with at least one of the said terminals, whereby current drain through the control circuit is prevented when no flash-bulb is connected to the said one terminal.

2,546,735
FRICTION DRAG FOR WINDOWS
Edward J. Foote, Antelope, Calif.
Application October 28, 1949, Serial No. 124,039
2 Claims. (Cl. 292—74)



1. A friction drag, for a window sash, comprising a tubular housing, a plunger projecting from one end of the tubular housing, the other end of the housing being closed, a longitudinal screw disposed centrally in the housing, the rear end of the screw being turnably attached to the closed end of the housing, a screw head on the outer end of the screw, the plunger having a shouldered bore through which the screw extends and in which the head is seated, a stop nut on the screw rearward of the plunger, a compression spring surrounding the screw between the stop nut and inner end of the plunger, and means to prevent rotation of the nut without restricting axial motion thereof.

2,546,736
WINDING ARRANGEMENT IN ELECTRICAL APPARATUS
Andrew Fry and Frederick Arthur Fry, Liverpool, England, assignors to Rotor Power Units Limited, Liverpool, England, a company of Great Britain and Northern Ireland
Application August 12, 1949, Serial No. 109,918
In Great Britain August 13, 1948
4 Claims. (Cl. 171—252)

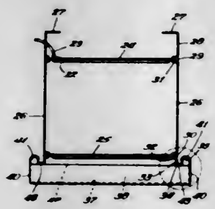


1. A winding arrangement for electrical apparatus operable on the principle of electro-magnetic induction, characterized in that portions of the windings consist of terminal lengths electrically connected through rectifying means separating the adjacent faces of said terminal lengths from one another.

2,546,737
SHEET METAL EVAPORATOR
Edward M. Gaul, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application December 18, 1947, Serial No. 792,527
4 Claims. (Cl. 62—126)

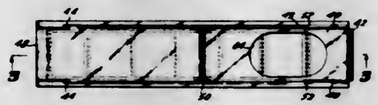
1. An evaporator cooling unit for refrigerating systems, comprising: two sheet metal plates hav-

ing depressions in each plate and superimposed one upon the other and fixedly secured together to provide continuous passageways for the passage of refrigerant therethrough, said plates being fashioned to provide a plurality of integrally formed planar surfaced horizontally disposed refrigerated shelves; inlet and outlet means for



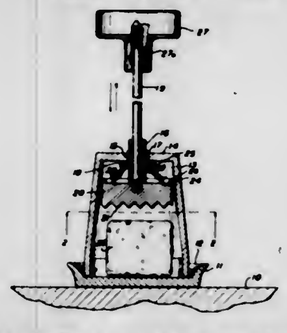
connection with a refrigerating system; side wall sections removably secured to said shelves; said side walls having depending means, including a U-shaped channel terminating in an inverted semi-circular channel member, adapted to support a moisture collecting container suspended therefrom.

2,546,738
POSTAGE STAMP DISPENSER
Leo G. Gendernalik, Anaheim, Calif.
Application May 31, 1949, Serial No. 96,350
3 Claims. (Cl. 91—62.5)



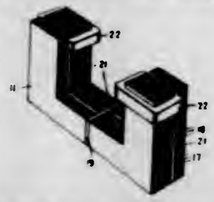
1. In a device of the class described for dispensing adhesive-bearing paper of predetermined width, a base structure comprising an upwardly curving arcuate wall section and a lower arm section extending outwardly therefrom, side wall members secured to said arcuate wall section and said lower arm section, said side wall members being spaced apart a distance greater than the width of said paper, said side wall members including track-defining means providing inwardly facing channels at the upper edges thereof, means defining stops on said track at the forward ends thereof, and a cover member having a downwardly curving rear arcuate section and a substantially straight forward section, said forward section slidably engaging said tracks and being provided with shoulders for engaging said stops, said shoulders being spaced rearwardly from the forward end of said forward section such a distance that the forward end of said cover member extends slightly forwardly of said lower arm section, thereby forming a longitudinal slot which is foreshortened on the lower side thereof, said two arcuate wall sections and said side walls forming a substantially cylindrical compartment tangentially arranged with respect to said slot said cylindrical compartment being free of any internal obstruction adjacent the center thereof, and means formed in said base structure for supporting a moistening pad in the foreshortened portion of said slot in position to contact a strip of adhesive-bearing paper pushed forwardly therein.

2,546,739
CONTAINER ENCLOSED ICE CHOPPER WITH SPRING RETRACTED HEAD
Paul F. Georgeina, New Britain, and Domenic P. Iezzi, Plainville, Conn.
Application June 19, 1947, Serial No. 755,772
1 Claim. (Cl. 30—164.7)



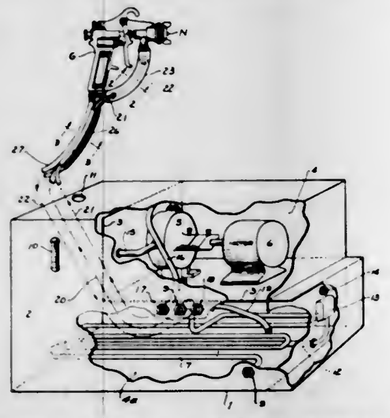
In an ice crusher, an inverted cup provided with a centrally-apertured end wall, a vertical guide bushing secured within the aperture of said end wall, said bushing comprising a flange intermediate its length, said flange, abutting the inner surface of said end wall, a plunger comprising a rod slidable in said bushing and a crusher head located within the cup, said crusher head having an upstanding peripheral rim of a diameter larger than said bushing flange, and a plurality of inclined coiled springs connecting said flange and said rim to resiliently urge said head against said bushing and tending to hold the head against rotation.

2,546,740
ALTERNATING-CURRENT ELECTRO-MAGNET WITH ARMATURE
Leon J. Goldberg, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1949, Serial No. 106,917
1 Claim. (Cl. 175—338)



An electromagnet device comprising a U-shaped frame of laminated magnetic material in which the laminations lie parallel to a plane coinciding with the center lines of the legs of said U, a first nonmagnetic separator in one leg of said U parallel to said laminations separating said leg into two laminated portions, said first separator being a predetermined distance from one side of said U-shaped frame, a second nonmagnetic separator in the other leg of said U parallel to said laminations separating said other leg into two laminated portions, said second separator being an equal distance from the other side of said frame, a first recess in the end surface of said one leg parallel to said laminations, said first separator abutting the bottom of said first recess, a first shading coil positioned in said first recess surrounding the portion of said one leg lying between said recess and said first side, a second recess in the end surface of said other leg parallel to said laminations, said second separator abutting the bottom of said second recess, a second shading coil positioned in said second recess surrounding the portion of said other leg between said second recess and said second side, an exciting coil positioned on said frame, a symmetrical U-shaped laminated armature operatively positioned adjacent the end surfaces of said legs, the end surfaces of the legs of said armature arranged to abut respectively said end surfaces of the legs of said frame when said exciting coil is energized, and means biasing said armature away from said frame.

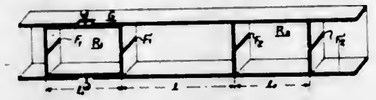
2,546,741
APPARATUS FOR SPRAYING HOT DOPE, LACQUERS, AND OTHER THERMALLY THINNED MATERIAL
Darwin B. Grossman, New Rochelle, N. Y.
Application March 12, 1946, Serial No. 653,768
1 Claim. (Cl. 91—45)



A heater for hot dope spraying systems, comprising: a housing having therein different compartments one of which is a wet compartment adapted to contain water having an inlet and an outlet through the exterior wall of the housing for a circulatory system and another of which is a dry compartment in which is positioned a pump and a motor for driving the pump, ducts connecting the inlet and outlet of the pump to the interior of the wet compartment, a dope heating coil in the wet compartment having a dope inlet and a dope outlet through the exterior wall of the housing, an electric heating element in the wet compartment for heating the water therein to the desired temperature, and means for automatically controlling said heating element to keep the water at the desired temperature.

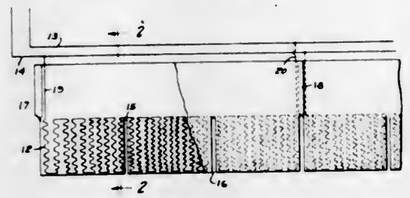
2,546,742
HIGH-FREQUENCY ELECTRICAL FILTER FOR USE IN WAVE GUIDES
Henri Gutton and Antoine Jean Ortusi, Paris, France, assignors to Compagnie Generale De Telegraphie Sans Fil, a corporation of France
Application April 11, 1947, Serial No. 740,844
In France June 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1965
6 Claims. (Cl. 178—44)

1. A filter device comprising, in the interior of a wave guide provided with longitudinal slots constructed in its wall, two cavity resonator elements positioned in series in said guide and tuned to the same frequency, one of said resonator elements comprising a box slidable in the



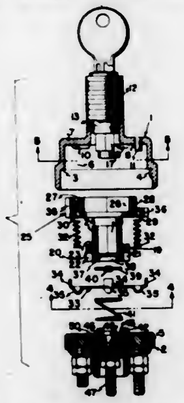
interior of the guide and provided with contacts for establishing electrical contact with the guide and with handles extending out from the guide through said slots.

2,546,743
ELECTRICALLY HEATED DEICING SHINGLE
Joseph L. Harrison, Wallace, Idaho
Application September 8, 1949, Serial No. 114,617
5 Claims. (Cl. 219—19)



1. An electrically heated roofing shingle comprising an elongated composition slab divided substantially midway of the width thereof forming a lower exposed section and an upper unexposed section, an electric heating element positioned in the exposed area of the slab, and power supply connections extended from the slab and connected to opposite terminals of the heating element.

2,546,744
ROTARY ELECTRIC SWITCH
Oscar H. Hasselbaum, Arlington, Mass., assignor to Joseph Pollak Corporation, Dorchester, Mass., a corporation of Massachusetts
Application March 17, 1948, Serial No. 15,452
9 Claims. (Cl. 200—4)



6. In a lock type starter switch, a fixed insulating plate having exposed contacts mounted thereon, a rotor having a contact spider mounted thereon adapted to be held in face contact with the insulating plate, a hub piece having a collar

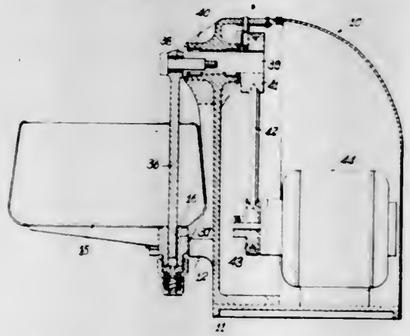
in the shape of a regular polygon fitting a similar cavity in said rotor, a flange at the end of said hub piece fitting in a recess on one face of said rotor permitting longitudinal motion of the hub piece with respect to said rotor toward said insulating plate, and a pin and cooperating recess carried by said insulating plate and hub piece in face relation, a pair of contacts, one on said hub piece and one on said insulating plate facing one another in alignment, whereby when said pin and recess coincide said hub piece and insulating plate may be moved towards each other whereby a circuit will be made through said pair of contacts.

2,546,745

PISTON TYPE HOMOGENIZER MECHANISM

Harold W. Hein, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application July 15, 1949, Serial No. 105,033
4 Claims. (Cl. 259—47)



1. In a homogenizer, a supply can having a fluid discharge opening, a piston guide connected to the can, said guide having a bore defining a chamber in communication with the fluid discharge opening, a homogenizing structure including a valve retainer connected to the piston guide, said retainer including an opening adapted to discharge fluid from the chamber, a breaker ring connected to the retainer, said ring having a bore adapted to communicate with the bore in said guide, a conical surface on said breaker ring, a valve having a stem longitudinally slidable in the bore of said ring, said valve including a conical valve seat adapted to engage the conical surface of said ring in complementary relation, a valve support for said valve, resilient means engaging the support for urging said valve seat into engagement with the breaker ring, a piston arranged to reciprocate within the bore of the piston guide, a longitudinally extending recess formed in one end of said piston, said recess being arranged to provide for communication between the supply can and the chamber during one position of said piston, and means for moving said piston to a second position whereby the chamber is closed with respect to said supply can.

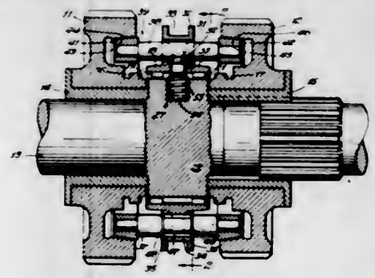
2,546,746

SYNCHRONIZER CLUTCH

William W. Henning, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application November 18, 1946, Serial No. 710,477
13 Claims. (Cl. 192—53)

1. In a power transmitting train, rotatable companion structures of which one is axially movable selectively between a drive establishing position wherein a power transmitting relation exists between said structures and an inoperative position wherein said power transmitting relation is terminated, a support for the one structure and rotatable co-axially therewith, said one structure being axially moved relatively to said support incident to movement between said positions, rows of meshed circumferentially spaced teeth respectively upon said movable structure and said support, the circumferential spacing between complemental faces of certain of the meshed teeth being less than that between the other thereof to maintain said other of meshed teeth circumferentially separated while said movable structure occupies the inoperative position, an axially moveable synchronizer element coaxial with the axially moveable structure, a friction face on the other structure and frictionally engageable by the moveable element for synchronizing said structures, detent means for causing movement of the moveable element into said synchronizing frictional engagement with said friction face pursuant to movement of the moveable structure toward the other of said structures,



there being a recess in said mounting and communicating with the surface thereof by passing through said certain teeth thereof and thereby limiting the axial length of said complemental faces thereon, said detent means comprising a spring-urged member retractable into said recess to disrupt the faculty of said detent means urging the synchronizer element to move axially with said moveable structure, said complemental teeth faces being carried out of circumferential registering pursuant to movement of said moveable structure into the drive establishing position, said other of said meshed teeth having faces exposed in circumferential registry while the moveable structure is in said drive establishing position, to limit circumferential movement of said structure on said mounting and to facilitate said certain teeth in one row to axially overlap those in the other row for preventing accidental retraction of the structure from the drive establishing position, and means on said moveable structure for retracting said spring-urged member into said recess during continued movement of said moveable structure toward the drive establishing position subsequent to frictional engagement of the synchronizing element with said friction face.

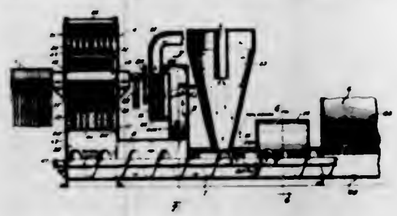
2,546,747

FEED GRINDING AND MIXING PLANT

Joseph Stanley Herr, Nottingham, Pa.

Application December 30, 1948, Serial No. 68,177
9 Claims. (Cl. 99—235)

5. Feed grinding and mixing plant including in combination, an air swept grinding mill having a collecting chamber, a mixer, a conveyor from said collecting chamber to mixer including a screw and a casing therefor, means for drawing air through said grinding mill under vacuum and conserving the dust therefrom comprising a fan having its induction side communicating with said collecting chamber through the anterior portion of said conveyor casing and having its eduction end communicating with said casing at a posterior point, means forming a gravitational separation chamber between said induction side and said casing in which the velocity of flow toward said fan is reduced, a cyclone between said eduction end and said casing having its dust discharge end opening into said casing, the wall of said casing between the point of said



dust discharge from said cyclone and said mixer having an enlargement defining a recess outside the cylinder of revolution of the screw of said conveyor, a pipe for introducing liquid projecting into and terminating in said recess, a hopper for already ground material communicating with said casing between said enlargement and mixer, the vane of the conveyor screw from said collecting chamber to a point adjacent said molasses discharge being unbroken from its root line to periphery, and said vane in a zone which includes the point at which said molasses discharges, and at least part of said hopper, comprising a peripheral ribbon spaced from the shaft of said casing, whereby said molasses is mixed with the ground material in said conveyor.

2,546,748

AGENTS FOR COLORING EMULSIONS AND DISPERSIONS, ESPECIALLY THOSE OF THE OIL IN WATER TYPE

Anders Herlöw, Grindsted, Denmark, assignor to A/S Grindstedvaerket, Grindsted, Denmark

No Drawing. Application May 6, 1947, Serial No. 746,308. In Denmark June 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1962
5 Claims. (Cl. 99—148)

1. An oil-in-water dispersion carrying a coloring agent comprising a solution of a fat soluble coloring matter in an oleaginous solvent comprising a substantial amount of a partial ester of a fatty acid with an alcohol having more than one alcohol group of which at least one is left unesterified, and in which the dispersion is a food product.

2,546,749

TREATMENT OF PULP

Judson H. Holloway, Robert S. Tabke, and Arthur N. Parrett, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware

No Drawing. Application May 1, 1946, Serial No. 666,523
5 Claims. (Cl. 260—212)

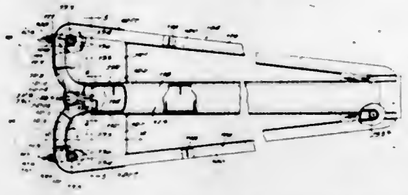
1. In the treatment of high-alpha mercerized wood pulp to render it active toward acetylation resulting in a lower percentage of unreacted fibers, the improvement which comprises grinding the mercerized wood pulp dried to a moisture content of not over 6% in contact with the acetic acid.

2,546,750

CONVEYER FOR TRACTOR-MOUNTED CORN PICKERS

Benjamin M. Hyman and Elof K. Karlsson, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey

Original application April 11, 1942, Serial No. 438,582. Divided and this application June 23, 1948, Serial No. 34,777
2 Claims. (Cl. 198—162)



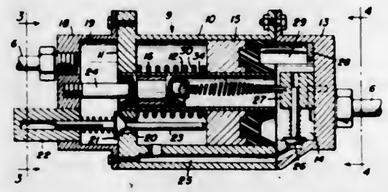
1. A conveying device of triangular shape comprising first and second tubular sections forming two sides of the triangle, open channel means forming the third side of the triangle, a third tubular section extending from a mid-point of the open channel means to the corner of the triangle formed by the meeting of the first and second tubular sections, a first conveyor loop extending along the channel means from the first tubular section to the mid-point thereof, thence through the third tubular section to the aforesaid corner of the triangle, and thence through the first tubular section back to the channel means, a second conveyor loop extending from the second tubular section along the channel means to the mid-point thereof, thence through the third tubular section to the said corner of the triangle, and thence through the second tubular section back to the channel means.

2,546,751

SAFETY MEANS FOR HYDRAULIC BRAKES

Lloyd T. Jackson, Millboro, Va., assignor of thirty-three and one-third per cent to Herman H. Greenberg, Detroit, Mich.

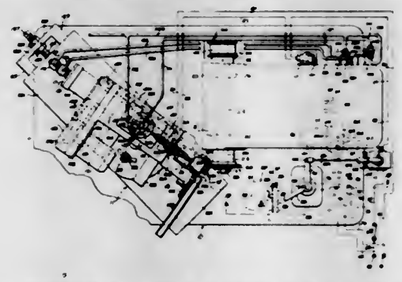
Application November 22, 1948, Serial No. 61,478
5 Claims. (Cl. 303—84)



1. In combination with a conduit having pressure fluid supplying and pressure fluid transmitting portions, a safety device including an outer cylinder having an inlet chamber at one end and an outlet chamber at the other end connected to and in constant communication with the respective conduit portions, a spring seated check valve controlling communication between the inlet chamber and the first named end of said cylinder, a bypass passage providing

communication between said first named end of said cylinder and said outlet chamber, a spring seated check valve controlling communication between said bypass passage and said outlet chamber, the first named valve being movable to its seat in the direction of flow of pressure fluid from the inlet chamber to the outer cylinder, the second named valve being adapted to be unseated by pressure of fluid in the by-pass passage, said cylinder being in constant communication with said outlet chamber, a second cylinder disposed centrally of the first named cylinder and opening at one end into the inlet chamber and at the other end into the outlet chamber, a piston movable on the second cylinder and within the first cylinder, a spring urging said piston toward the outlet chamber, a second piston movable in the second cylinder, and a spring urging the second piston towards the inlet chamber.

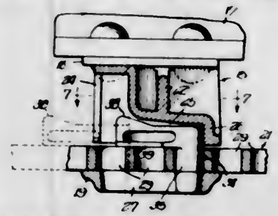
2,546,752
WORK FEEDING AND HOLDING MECHANISM FOR MACHINE TOOLS
Glen F. Johnson, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application February 3, 1948, Serial No. 6,086
12 Claims. (Cl. 51—215)



1. A workpiece holding apparatus for a centerless grinding machine, comprising a support mounted on said machine, a rotary workpiece abutment rotatably mounted on said support and having an opening therethrough and a workpiece abutment portion disposed adjacent said opening, and a workpiece clamping structure rotatably mounted on said support coaxial with said abutment and having workpiece clamping mechanism retractible into said opening wholly inwardly of said abutment portion and movable axially outwardly through said opening, said mechanism including a workpiece clamping member pivotally mounted thereon and responsive to the axial outward motion thereof to swing outwardly and axially into clamping engagement with the end of the workpiece and urging the workpiece axially against said abutment portion.

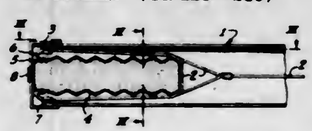
2,546,753
BRAKE SLACK ADJUSTER
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1947, Serial No. 780,989
7 Claims. (Cl. 287—58)

1. A brake slack adjuster comprising a housing adapted to be immovably secured to a railroad car under sill, provided with a horizontal channel extending from end to end of the housing and a vertically disposed socket connected with one end of said channel, the lower wall of the channel having a longitudinal closed ended slot of predetermined length commenurate with the normal slack in the brake rigging; a pull rod slidable in said channel, with its inner end adapted to be pivotally connected with the dead lever of the car brake rigging and the portion of the pull rod which is slidable in the housing provided with a plurality of longitudinally spaced



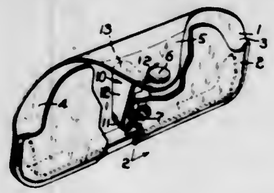
holes; and a locking pin initially mounted in said socket and adapted to pass through the holes in the pull rod and into said closed ended slot when the holes successively are brought into register with said socket, whereby the pull rod is locked in its slack take-up positions and the pull rod and pin permitted to travel in said channel a distance commensurate with the normal slack in the car brake rigging.

2,546,754
VAGINAL APPLICATOR
John Leslie Jones, Los Angeles, Calif.
Application November 19, 1947, Serial No. 786,919
12 Claims. (Cl. 128—260)



1. A vaginal applicator, involving: a rigid tubular member having a discharge end; a collapsible container within said tubular member and having a discharge end secured to the discharge end of said tubular member; a tension element extending from said tubular member; and means operatively associated with said tension element to collapse said container and discharge its contents from the end of said tubular member.

2,546,755
COMBINED BRIDGE BLOCK AND FASTENER FOR SPECTACLE CASES
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 27, 1948, Serial No. 17,546
10 Claims. (Cl. 206—5)



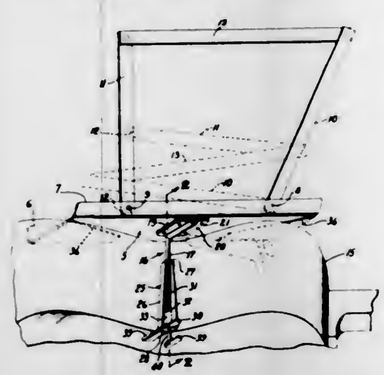
8. A combined bridge block and fastener mounting for spectacle cases and the like comprising a block member formed of a sheet metal strip of varying width and tapering toward its opposite ends, said strip being bent to loop form providing opposed base, side and nose portions, an arm extending inwardly from one of said portions and lying within said loop, and a stud fastener mounting portion on said arm adjacent the inner end thereof.

2,546,756
TUBE EXPANDER
Eugene B. Knowlton, Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y., a corporation of Delaware
Application May 14, 1949, Serial No. 93,230
4 Claims. (Cl. 153—81)



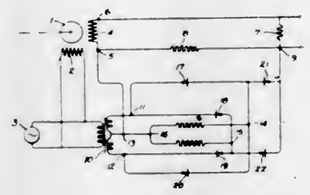
1. A tube expander comprising a tubular member adapted to be inserted and rotated in a tube to be expanded the bore of said member being closed at both ends, a solid roller carried by the bore of said tubular member said roller being of slightly smaller diameter than said bore and freely rotatable therein, slots in the walls of said tubular member, said slots being at a slight angle to the axis of said tubular member, and tube-expanding rollers having tapered ends supported in said slots with their peripheries in rolling contact with the roller within the bore of said tube.

2,546,757
COLLAPSIBLE MUSIC HOLDING ATTACHMENT FOR GUITARS
Kay Krarup, Bakersfield, Calif.
Application September 12, 1947, Serial No. 773,616
5 Claims. (Cl. 45—58)



1. In a device of the kind described, a base consisting of an elongated, substantially rectangular plate of rigid sheet material having an upwardly directed flange extending along each of its side edges, one of said flanges being a mounting flange, a first arm pivotally attached permanently to the inner side of one end portion of said mounting flange so as to swing in approximately the same plane as that in which said mounting flange extends, a second arm having one of its end portions removably connected to the inner side of that end portion of said mounting flange which is opposite to the first recited end portion thereof, and a bar bridging the space between the outer ends of both of said arms and permanently pivoted to both of them, said arms and bar forming for said base a three-member extension wherein, when said second arm is removed from said base, all three members of said extension are foldable alongside of each other and are then nestable between the flanges of said base, and means detachably to secure said base to a guitar.

2,546,758
STABILIZING CIRCUIT
Clinton C. Lawry, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 21, 1948, Serial No. 9,992
2 Claims. (Cl. 323—66)



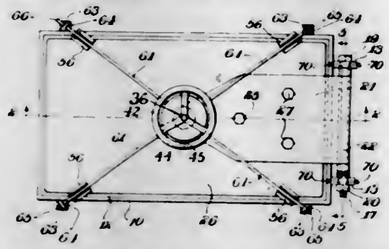
1. A stabilizing circuit comprising an alternating voltage generating means, a first and a second resistor serially connected across said generating means, means for conditionally applying a bias voltage across said second resistor further comprising a source of voltage including a transformer having a primary and a secondary, means for rectifying the voltage from said transformer, a bias resistor having a midtap, means for applying said rectified voltage across said bias resistor, means connecting the midtap of the bias resistor to one end of said second resistor, and limiter means connecting said bias resistor with the other end of said second resistor whereby the gradient of the voltage across said first resistor is altered upon reaching a predetermined voltage.

2,546,759
SUBCUTANEOUS MEDICATION
John W. Lee, Hugh E. Martin, and William M. Alexander, Indianapolis, Ind.
Application December 15, 1945, Serial No. 635,266
7 Claims. (Cl. 128—260)



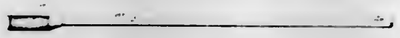
1. A device for the subcutaneous implantation of medicaments comprising a body having means for retaining a solid medicament with a relatively large proportion of the medicaments surface being exposed, a sharpened end on said body adapted for introducing the medicament retaining portion of the body subcutaneously, means for fastening the body in position after introduction and means for withdrawing the body.

2,546,760
FASTENER FOR PRESSURE DOORS
Eugene J. Le Claire, St. Paul, Minn., assignor to Harry F. Joesting, St. Paul, Minn.
Application September 20, 1944, Serial No. 555,021
7 Claims. (Cl. 292—6)



4. A fastener for a pressure door comprising a series of angularly disposed locking arms extending toward a central point of one surface of said door, said arms having hook ends curving outwardly from the surface of the door, means slidably and pivotally connecting an intermediate point of said locking levers to said door near the periphery thereof, and means engaging the inner ends of said locking levers to move the same in unison toward the door.

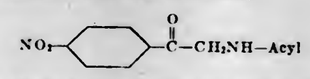
2,546,761
RADIUM NASOPHARYNGEAL APPLICATOR
George H. Loftus, Ridgewood, N. J., assignor to Radium Chemical Company Inc., New York, N. Y., a corporation of New York
Application January 13, 1950, Serial No. 138,360
1 Claim. (Cl. 128—1.2)



A nasopharyngeal applicator for treating with radium comprising an elongated rod of one piece construction and of uniform external diameter, said rod having a handle part at one end and an elongated chamber drilled in the other end thereof, radium bearing material in said chamber, the chamber end of said rod terminating in an internally threaded part, and a non-removable closure for said chamber secured to said threaded part and sealing said chamber, said closure and rod being soldered to form a smooth joint and prevent separation of said closure and rod, said applicator having a smooth outer surface for insertion into a nasal passage and a rounded end surface merging into said first-named surface.

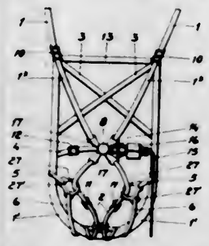
2,546,762
ACYLAMINO ACETOPHENONES AND PREPARATION THEREOF
Loren M. Long, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 24, 1948, Serial No. 45,975
5 Claims. (Cl. 260—562)

1. A compound of the formula,



said acyl being a carboxylic acid acyl radical.

2,546,763
DEVICE ON HARNESSES FOR PARACHUTES FITTED WITH QUICK RELEASE DEVICE
Carl Herman Lundholm, Stockholm, Sweden
Application August 7, 1947, Serial No. 767,084
In Sweden May 10, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires May 10, 1960
18 Claims. (Cl. 244—151)



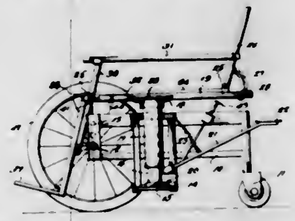
10. A device on a harness for parachutes fitted with a quick release device and a U-shaped strap adapted to be passed under the seat of the wearer to which two leg straps are connected which, in use, pass between the legs of the wearer upwards at the front of the wearer, then carried slidably to the sides through loop-shaped members arranged at the lower part of the harness, and finally releasably fastened in the quick release device, said loop-shaped members consisting of rigid rings preferably of metal which rings are connected to the U-shaped strap by means of at least two fastening straps.

2,546,764
NAVIGATIONAL INSTRUMENT
Harold F. McHose, Musselshell, Mont.
Application November 14, 1949, Serial No. 127,005
4 Claims. (Cl. 33—1)



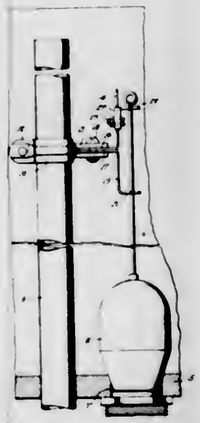
1. A navigational instrument comprising three separate units, adapted to be placed one on top of the other, one of said units being a globe, and a further unit being a base member with a circular edge encircling a hollow space, adapted to support the lower portion of said globe, and a further unit consisting of combined alidade and protractor assemblies, adapted to be placed on said globe and to be supported thereon, said assemblies consisting each of a circular band of a diameter substantially equal to that of the globe and of a semicircular band joining two diametrically opposite points of said circular band, the protractor assembly being in addition provided with a circular graduated member of a diameter smaller than one of the great circles on the globe and arranged in substantial parallelism to the circular bands, said protractor assembly and alidade assembly being joined by a hollow pivot adapted for alignment of its axis with a selected point on the globe.

2,546,765
INVALID'S BEDCHAIR
Tress L. McKinley, Temple, Tex.
Application October 1, 1948, Serial No. 52,327
8 Claims. (Cl. 155—28)



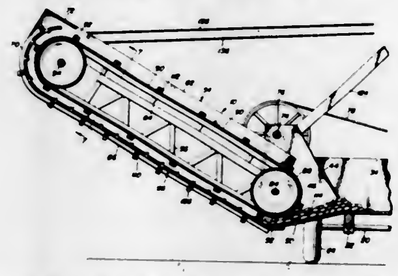
1. A device of the character described comprising a wheeled chassis, a seat, a hydraulic jack mounted upon the chassis and supporting the seat, an adjustable back hinged to the seat, a leg supporting frame, arm rests interconnecting the leg supporting frame and the back and independently adjustable foot rest members supported by the seat.

2,546,766
GUIDE FOR FLUSH BALL LIFT RODS
Bronzell L. McWilliams, Barbourville, Ky.
Application March 21, 1947, Serial No. 736,205
3 Claims. (Cl. 4—57)



1. The combination with the lift rod of a flush ball and overflow pipe of a water closet tank, of a guide comprising a clamp for attachment to the overflow pipe having a laterally extending arm, a pair of brackets each having a straight body portion with an angular attaching lug at one end and an apertured bearing lug at its other end extending in opposite directions, said brackets having their body portions disposed in vertical alinement with the attaching lugs in confronting relation and the bearing lugs in spaced vertical alinement to receive the lift rod and means pivotally and slidably connecting the attaching lugs of said brackets to the arm of said clamp to permit independent radial and angular adjustment of said brackets.

2,546,767
POTATO SLICER AND SPREADER
John Miller, Wasco, Calif.
Application February 14, 1949, Serial No. 76,276
4 Claims. (Cl. 146—164)



1. In a potato slicing device, the combination of a wheeled hopper, a laterally extending elongated channel shaped housing pivotally carried by the hopper, an endless rotary conveyor operatively mounted longitudinally in the housing, means for rotating said conveyor, cutting means formed along the entire length of the bottom wall of the housing and disposed adjacent the lower reach of said conveyor, means for adjusting said cutting means, and means for raising and lowering the housing.

2,546,768
BOILER SCALING TOOL
Blair E. Mills, Lowellville, Ohio
Application October 29, 1947, Serial No. 782,770
1 Claim. (Cl. 29—81)

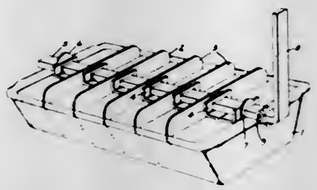


A scale removing tool comprising a rectangular head, the said head having an outwardly bowed front surface, a plurality of sharp ridges formed integrally in said outwardly bowed front surface at right angles to the plane of the said arc.

2,546,769
FREEZING TRAY
Robert E. Moore, Baltimore, Md., assignor to General Electric Company, a corporation of New York
Application May 28, 1947, Serial No. 751,075
8 Claims. (Cl. 62—108.5)

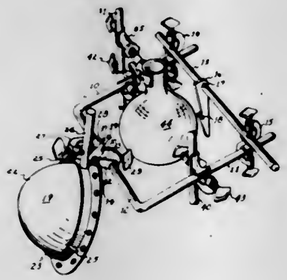
1. In combination with a freezing tray, a partition assembly, said assembly including a bar extending longitudinally of said tray, a plurality of transverse separators mounted on said bar and forming walls of ice block compartments, each of said transverse separators having an opening for receiving said bar, a plurality of longitudinal separators mounted on said bar and

forming walls of ice block compartments, each of said longitudinal separators having an opening of such size as to permit the turning of said bar through a limited angle without resultant turning movement of said longitudinal separators, said bar engaging said longitudinal separators and



said transverse separators during movement through said limited angle to lift said longitudinal separators relative to said transverse separators, and means for turning said bar through an angle greater than said limited angle whereby a turning movement is imparted to said longitudinal separators.

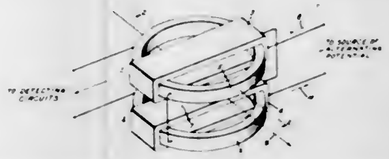
2,546,770
RELEASABLE HEATER SUPPORT
Glen H. Morey, Terre Haute, Ind.
Application October 8, 1947, Serial No. 778,709
5 Claims. (Cl. 219—43)



5. A supporting structure for a laboratory flask heater comprising a heater supporting frame adjustable to various sizes of heaters, means for mounting a heater thereon for partial rotation, a first latch to hold said heater in operative position, said latch including quick release means to permit partial rotation of the heater, a second latch and a stop mounted on said frame, said latch engageable with said stop when the heater is released from operative position to hold it out of operative position.

2,546,771
METAL DETECTOR
Raymond P. Mork, Needham, Mass., assignor to General Electric Company, a corporation of New York
Application October 20, 1949, Serial No. 122,469
1 Claim. (Cl. 175—183)

In apparatus for detecting metallic objects in non-metallic material, the combination comprising a pair of series connected secondary coils positioned with their radii in substantially parallel planes adjacent to such material and on opposite sides thereof, a first primary coil diametrically encircling only one of said secondary coils, a second primary coil diametrically encircling only the other of said secondary coils, neither of said primary coils encircling such material, and a source of alternating current connected to energize said primary coils with such polarities that



their magnetic fluxes are additive through such material, said secondary coils being connected in series bucking relation to produce a zero resultant output voltage across said secondary coils when the magnetic field of said primary coils is undistorted.

2,546,772
FISH LURE WITH INTERCHANGEABLE BODIES OF DIFFERENT CHARACTER
James A. Neff, Berea, Ohio
Application March 8, 1946, Serial No. 653,021
1 Claim. (Cl. 43—42.09)

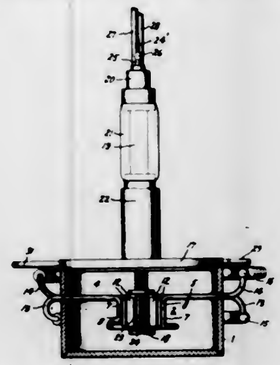


A fish lure comprising a head portion having a threaded recess in the rear end thereof, an elongated hollow body provided with a forwardly extending reduced neck, said neck being provided with threads for threaded disposition in the recess of the head, said head being formed with a depending portion, said depending portion being provided with an elongated narrow tail piece extending in parallel spaced relation to said body and having its free end terminating adjacent the rear end of the body whereby the body may be readily unscrewed from the head, said tail piece having an eye formed at its free end and having an eye adjacent the head, and hooks attached to said eyes.

2,546,773
ANODE STRUCTURE FOR SPACE RESONANT DISCHARGE DEVICES
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 23, 1945, Serial No. 601,122
15 Claims. (Cl. 315—39)

1. A space resonant structure including a plurality of tuned circuits arranged in circumferentially spaced relation about a central opening within which the electrons constituting the space charge for exciting the structure are adapted to move comprising a plurality of similar conducting elements of rod-like stock with each element including two arm portions extending at right angles to each other, said elements being supported in fixed relation in a circular array with one arm portion of each element extending radially in a plane common to the corresponding arm of the remaining elements and the other

arm portion extending in the same direction from said plane as the other arm portions of



the remaining elements to define the central opening of said structure.

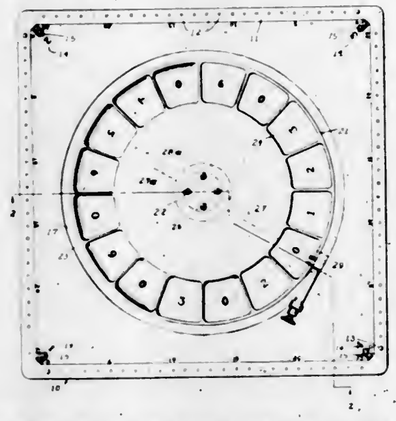
2,546,774
FIREARM HOLSTER
Walter F. Ohlemeyer, El Paso, Tex.
Application January 27, 1950, Serial No. 140,857
3 Claims. (Cl. 224—2)



1. A firearm holster provided with a front sight receiving channel extending from adjacent the holster bottom and opening outwardly of the open top of the holster, said channel being of a width and depth from adjacent the holster bottom to the open upper end of the channel to loosely receive the front sight of a firearm contained within the holster and being formed from a separate channel-shaped member secured to portions of the holster and combining therewith to form a part of the completed holster, said channel member being secured to the outer side of one longitudinal edge of the holster, and said holster having a slot extending from adjacent its bottom and opening outwardly of its open upper end and disposed in communication with the channel of said channel member and constituting a part of said sight receiving channel.

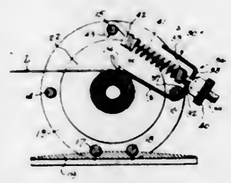
2,546,775
SPINNER TYPE BALL GAME
Oliver L. Olson, Camas, Wash.
Application November 5, 1946, Serial No. 707,934
3 Claims. (Cl. 273—121)

1. A game played with balls comprising a flat table provided with a series of shallow pockets arranged in a circle on top thereof and marked with different numerical values, a balanced spinner having a radial arm with a ball housing above said pockets, a pivot for said spinner on said table in the center of the circle and means for starting the spinner revolving with said housing around the circle; said housing having a rear wall with an entry opening for a ball and a slanting bottom with an exit opening; said starting means comprising a spring actuated gun mounted on top of said table with its axis substantially tangential to said circle and its muzzle



registering with the entry opening in the ball housing, a vertical loading opening for said ball on top of the gun adjacent to the muzzle and a plunger in the bore of the gun surrounded by a helical spring for actuating the plunger to project the ball into said housing when the plunger has been cocked; the impact of the ball against the front wall of the housing thereby setting the spinner revolving until the ball therein, actuated by gravity, passes out thru the delivery opening into one of said pockets, the number of said pocket denoting the value of the stroke.

2,546,776
ANTIBACKLASH ATTACHMENT FOR FISHING REELS
Edward W. Peterson, Detroit, Mich.
Application September 17, 1949, Serial No. 116,239
1 Claim. (Cl. 242—84.5)



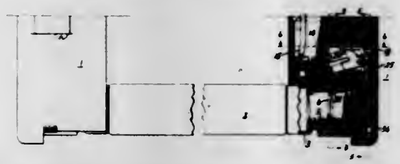
An anti-backlash attachment adapted to be mounted on the cross bars of a fishing reel, said attachment comprising a pressure applicator having a pivot portion pivotally attachable to one of said cross bars and having a line contact portion engageable with the line on said reel, a pressure adjusting screw threadedly mounted on said applicator, and a resilient element yieldingly connecting said adjusting screw of said applicator to another of said cross bars and yieldingly pressing said contact portion against the line on said reel.

2,546,777
SUPPLEMENTAL REAR GUN SIGHT
Abel E. Pierce, Wayne, Mich.
Application July 24, 1950, Serial No. 175,509
5 Claims. (Cl. 33—58)



1. In combination with a gun barrel, and a conventional notched rear sight including a spring leaf attached at its front end to said barrel and having an upstanding notched sight piece at its rear end, a supplemental sight including a peep sight piece having a peep hole alined with the notch of said notched sight piece and disposed behind and abutting the latter, and spaced parallel legs rigid with and projecting forwardly from the peep sight piece under said notched sight piece and at opposite sides of said spring leaf.

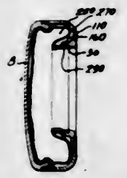
2,546,778
SOCKET SWITCH FOR TUBULAR LAMPS
John M. Pistey, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application December 31, 1949, Serial No. 136,325
2 Claims. (Cl. 200—51)



1. A holder for tubular lamps and the like comprising a body structure having a side opening to receive a base of a lamp, a line terminal, a terminal exposed within said side opening for engagement with contact means on said lamp base, a toggle switch in circuit between said terminals, means for actuating said toggle switch, a guard member, and means releasable by a lamp base for effecting the locking of said switch actuating means, said guard member including an arcuate sleeve of insulating material registrable with said body side opening to receive said lamp base and rotatable relative thereto to secure said lamp base against removal from said holder, said switch actuating means comprising a gear sector mounted for rotation in said housing to effect tripping of said toggle switch, said guard member further having a plurality of gear teeth on the periphery thereof engageable with said gear sector to effect the operation of said toggle switch to the open position when said guard is in the lamp-receiving position and to the closed position when said guard is in the lamp-securing position.

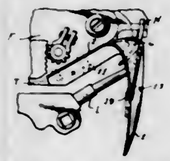
2,546,779
COLOSTOMY APPLIANCE
Bernard H. Poleyn, Milwaukee, Wis.
Application August 15, 1946, Serial No. 690,704
15 Claims. (Cl. 128—283)

1. A colostomy appliance comprising a hollow container having an apertured wall provided with a tubular flange marginally connected with the wall about the aperture and projecting inwardly from said wall into the container, and a hollow liner wholly within the container having



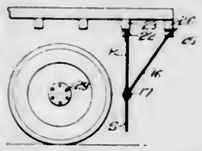
an apertured wall portion detachably connected with the flange.

2,546,780
SHOE UPPER GUARD
Luke Prejean, Baton Rouge, La.
Application April 23, 1947, Serial No. 743,430
3 Claims. (Cl. 112—40)



1. A guard for shoe sewing machines comprising a bracket adapted to be attached to the sewing machine frame, said bracket having an attaching portion and a guard portion extending at an angle with respect to the attaching portion, a guard member hingedly attached to the bracket and adapted to extend laterally from its guard portion, a locking latch pivoted on the guard member, said bracket having a keeper portion for receiving the latch whereby the guard member can be held in lateral alignment with the guard portion of the bracket.

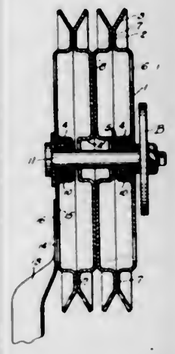
2,546,781
DUAL-PURPOSE VEHICLE WHEEL SPLASH GUARD
Victor S. Rheeling, Princeton, Ill.
Application January 25, 1950, Serial No. 140,463
7 Claims. (Cl. 40—125)



1. For use with a motor vehicle having an overhanging body, a portable combination rear wheel splash guard and emergency warning sign comprising a rectangular plate having a bracket on one edge thereof, a skirt pivotally secured to the plate adjacent the opposite edge thereof, a brace rod having one end pivotally secured to the plate edge adjacent the skirt, reflector warning means mounted on one face of the plate, the whole unit adapted, when functioning as a splash guard, to be detachably suspended by the bracket from bracket-engaging means on the under side of the motor vehicle body in a vertical position behind a rear wheel with the brace rod extending from the plate upwardly and rearwardly to the body at which point the upper end of the rod

is held detachably in place by retaining means on the under side of the body, and when functioning as an emergency warning sign to be detached from the motor vehicle and set upon the ground inversely with the plate in an upright position slightly off center, the bracket resting on the ground, the rod extending from the upper edge of the plate angularly to the ground on the side toward which the plate is learning to support same, the skirt depending from the upper edge of the plate on the same side as the rod and the reflector warning means being on the other side of the plate fully exposed to the view of oncoming motorists.

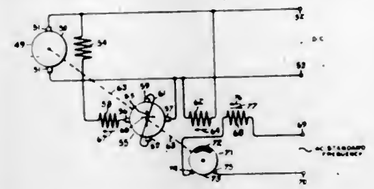
2,546,782
PULLEY
Walter L. Rives, Jacksonville, Fla.
Application April 25, 1946, Serial No. 664,800
3 Claims. (Cl. 74—230.8)



1. A disk for use in association with other identical disks in the fabrication of grooved pulleys, said disk having a central hole surrounded by a cylindrical flange to constitute a seat for a bearing, said disk having a peripheral groove radially spaced from and depressed on the same side as said cylindrical flange, the peripheral groove having a flat base lying in a plane parallel with the plane of the body of the disk intermediate the central flange and peripheral groove and spaced from said plane not less than the width of said central flange, the outer wall of the peripheral groove inclining upwardly toward the plane of said body of the disk with its peripheral edge positioned intermediate the plane of the groove base and the plane of the body of the disk, the body of the disk formed with a plurality of circumferentially spaced holes, whereby the flat disk body part of one of said disks can contact throughout its area the similar part of another like disk when said disks are assembled as specified.

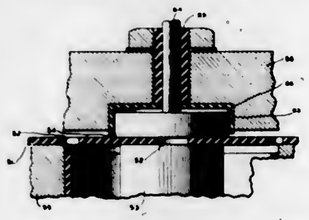
2,546,783
SPEED CONTROL SYSTEM FOR DIRECT-CURRENT MOTORS
Henry C. Roemke, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 12, 1948, Serial No. 54,174
16 Claims. (Cl. 318—321)

1. In combination, a direct current motor having a direct current-energized field exciting winding, means adapted to be excited by a source of standard frequency alternating current for modifying the excitation produced by said motor field winding, and a synchronous switch driven by said motor, said switch having a conducting portion and a non-conducting portion and being arranged in series with said source of alternating current so that said modifying means is connected to said source of alternating current during half of each cycle thereof, said modifying means increasing or decreasing the excitation



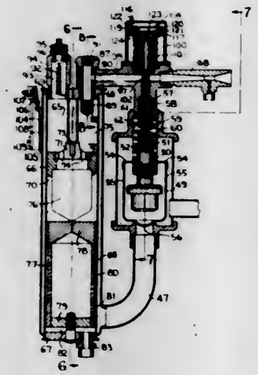
produced by said motor field winding in response to the polarity of said half cycles passed by said switch, said switch connecting said modifying means to said source of alternating current during a more negative or more positive half of each cycle of said alternating current in response to a slight change of speed of said motor whereby the excitation produced by said motor field winding is increased or decreased to maintain the speed of said motor at a substantially constant predetermined value.

2,546,784
PUNCH TAPE SENSING CONDENSER
Edwin O. Roggenstein, Ilion, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application February 12, 1948, Serial No. 7,935
3 Claims. (Cl. 250—36)



1. In a device of the character described, an oscillator having a tuned circuit including two capacitors, a record carrying medium having variations in area along its length and also variations in thickness, one capacitor including an upper plate of conductive material, the other capacitor including said plate and a second plate occupying a recess in the first plate and insulated from it, said second plate being free to move in and out of the recess in response to the variations in thickness of the record material, means to connect the two capacitors in parallel so that increases in thickness of the record material will decrease the capacity of one capacitor by increasing the spacing of its plates and increase that of the other by decreasing the spacing of its plates to retain the total capacity of the two constant for the same area of dielectric material in a unit length of the record material regardless of variations in its thickness and circuit means including a plurality of magnetic devices selectively operable by the oscillator in accordance with the frequency thereof.

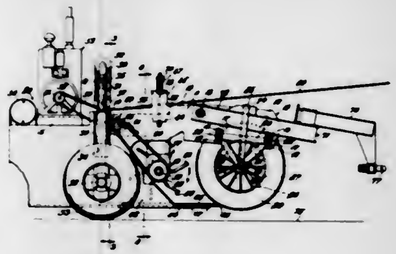
2,546,785
HEATING APPARATUS
Harry J. Rose, Three Rivers, Mich., assignor, by mesne assignments, to Edward J. Rose, Wilmington, Ohio
Application October 8, 1945, Serial No. 621,084
9 Claims. (Cl. 237—8)



1. In a heating apparatus for supplying heated fluid medium to a heat exchanger or the like, the combination comprising means forming a burner and combustion chamber, a fluid heating space associated therewith, means for supplying fluid to be heated to said space including a valve movable into and out of flow restricting position, a temperature responsive power element for moving said valve in response to variations in the temperature of the fluid at the inlet to said fluid heating space, means for supplying a combustible fuel mixture to said burner including an electromagnetically operated first valve and a second valve, a circuit for connecting said electromagnetically operated valve to a source of current, a pair of switches in said circuit including a manually controlled switch, and means to render the power element effective when it moves the fluid flow control valve out of flow restricting position to move said second fuel supply control valve in a direction to interrupt the supply of fuel to said burner and the second of said switches in said circuit to open position for opening the circuit to said electromagnetically operated valve irrespective of the position of the manually controlled switch.

2,546,786
GRUBBING MACHINE
Elbert E. Rowe, Clearwater, Fla., assignor to W. H. Armston Company, Inc., Dunedin, Fla., a corporation of Florida
Application December 17, 1946, Serial No. 716,746
1 Claim. (Cl. 97—226.1)

A grubbing machine comprising, in combination, a wheeled vehicle frame adapted to be transported forward at a predetermined speed, laterally spaced sod-cutting means on the machine to cut margins of a swath of sod defined therebetween as the machine is moved forward, rear wheel means, adjustable means supporting the rear end of said frame on said rear wheel means to permit relative up and down movement, a laterally extending sub-soil blade mounted on said frame behind said sod-cutting means and having a sharp front edge of sufficient width to form a substantially horizontal cut at a desired depth across the swath, a floating carriage pivotally mounted on said frame for up and down swinging movement about a horizontal axis, a kicker roller rotatably supported by said floating carriage with its axis substantially horizontal and extending laterally substantially the width of and to the rear of the cutting front edge of said blade, a plurality of kicker arms fixed to said roller at various points distributed over substantially the entire extent of the circumferential surface thereof and extending in general radial directions therefrom, and power means to rotate said kicker roller with its arms moved in a forward walking direction and the remote outer ends thereof moving back away from the cutting edge of said blade on the lower side adjacent the latter, said power means including means to rotate said



kicker arms at a certain predetermined speed relative to predetermined speed of forward motion of said machine whereby the ends of said arms will be moved along the arc of a circle circumscribed by their rotation a distance appreciably greater than the distance the machine will move forward in any interval of time so that said kicker arms as they are walked forward will kick down into the sod swath after it is cut at the sides by said laterally spaced sod-cutting means and along the bottom by said blade and tear therefrom any engaged roots to toss them to the rear upon the surface of the soil of the swath, the floating mount of said kicker roller permitting said kicker arms to crawl up over relatively heavy obstructions in forward movement of the machine.

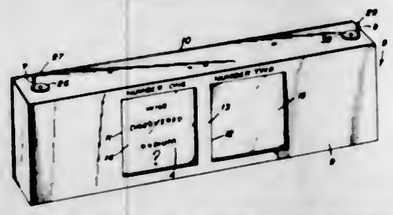
2,546,787
PROCESS FOR PRODUCING 7-DEHYDROSTEROLS
William L. Ruigh, Summit, N. J., and David H. Gould, Hickory Hill, N. Y., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 14, 1949, Serial No. 93,408
9 Claims. (Cl. 260—397.2)

1. In a process for producing a 7-dehydrosterol, the step which comprises reacting quinaldine with a sterol derivative selected from the group consisting of sterol esters and sterol ethers which have a double bond between the 5 carbon atom and the 6 carbon atom and which has a halogen atom attached to the 7 carbon atom, the reaction being carried out by heating the quinaldine and the halogenated sterol compound in contact with each other at a temperature of at least about 80° C.

2,546,788
PRODUCTION OF 7-DEHYDROSTEROLS
Kurt H. Schaaf, Jamaica, N. Y., assignor to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 14, 1949, Serial No. 93,409
17 Claims. (Cl. 260—397.2)

1. In a process for producing a 7-dehydrosterol, the step which comprises reacting quinaldine with a sterol derivative selected from the group consisting of sterol esters and sterol ethers which have a double bond between the 5 carbon atom and the 6 carbon atom and which has a halogen atom attached to the 7 carbon atom with the reaction of the quinaldine with the halogenated sterol derivative being carried out in an inert aromatic hydrocarbon solvent solution of the reactants, said reaction being carried out by heating the solution of the reactants at a temperature of at least about 80° C.

2,546,789
EDUCATIONAL DEVICE
Alfred E. Schielke, Cranbury, N. J.
Application February 24, 1948, Serial No. 10,376
4 Claims. (Cl. 35—9)



1. In a mystery-type changeable exhibitor of the class described, a non-transparent casing embodying a front wall, said front wall having two windows separated by a non-transparent parting strip, a masking frame having sight openings lined up with said windows, said sight openings being of predetermined sizes, a printed information band aligned for movable operation in said casing and having end portions guided into movable contact with said masking frame, said band having a printed question containing frame and a longitudinally spaced answer frame, said frames corresponding in area to each other and also corresponding in area to the areas of the sight openings in said masking frame, and means on the interior of said casing and over which the intermediate portion of said band is tracked and looped, said means defining a route of travel which is in direct proportion to the outer perimeter distances between the question and answer frames so that said frames appear in properly ordered sequence before predetermined windows.

2,546,790
AUTOMOBILE PEN AND CHAIR FOR CHILDREN
Celo K. Shook, Berea, Ohio
Application October 20, 1947, Serial No. 780,938
11 Claims. (Cl. 155—11)

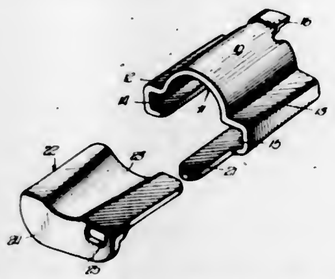
1. In a device of the character described, the combination of a generally vertically disposed support formed with a hook at its upper end adapted to be fitted over the back cushion of an automobile seat or the like, a frame member projecting forwardly from said support, a skirt open at its upper end depending downwardly from said frame member, a floor closing the bottom end of said skirt adapted to rest upon the seat cushion of such seat, and a seat member within said skirt swingably mounted on said skirt

for movement from a generally vertical position to a generally horizontal position parallel to said floor, and means releasably securing said seat member in such latter position.

2,546,791
MASKING THE ODOR OF AMMONIA IN DEVELOPING DIAZOTYPES
Sam Charles Slifkin, Binghamton, and John Sulich, Jr., Endicott, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 16, 1948, Serial No. 65,729
2 Claims. (Cl. 95—88)

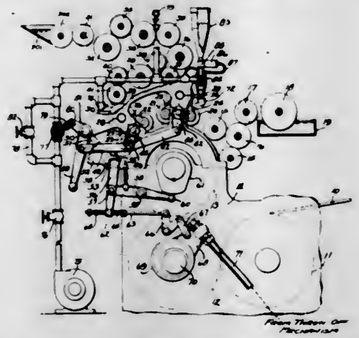
1. The process of developing diazotypes by means of odor masked ammonia vapors which comprises contacting the diazotype material with the vapors from an aqueous ammonia solution of petitgrain oil dissolved in isopropyl alcohol.

2,546,792
PIPE ANCHOR
Edward Payson Smith and Malcolm S. Johnson, Chicago, Ill., assignors to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1949, Serial No. 76,027
5 Claims. (Cl. 248—58)



1. In a pipe anchor composed of a pair of pipe clamping longitudinal members arranged to have interengaging relation with each other, the main or base member at one end having a forwardly disposed spacing lip adapted to enter the pipe receiving hole in a car cross bearer or frame member and thereby maintain the relationship between the pipe and cross bearer and position the base member against the side of the cross bearer, the opposite end of the base member having a rearwardly extending tongue, while the other member at its rear end is provided with a downwardly disposed apertured portion adapted to receive said tongue whereby the two members are locked together in pipe clamping relation.

2,546,793
MOISTURE REMOVING MEANS FOR THE INKER OF LITHOGRAPHIC PRESSES AND THE LIKE
Joseph E. Sodomka, Racine, Wis.
Application February 16, 1946, Serial No. 648,193
13 Claims. (Cl. 101—142)



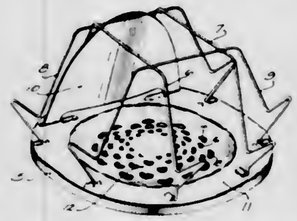
1. In a lithographic printing press having a form carrying member, means for dampening said form, and means for inking said form adapted in one position to contact said form and in another position to be out of contact with said form, the combination of means for removing moisture from said inking means and control means operable, consequent on movement of said inking means out of contact with said form, to interrupt operation of the moisture removing means.

2,546,794
OSCILLATING SHEAVE SUPPORT
William C. Sole, Bristow, Okla.
Application May 28, 1946, Serial No. 672,793
1 Claim. (Cl. 254—190)



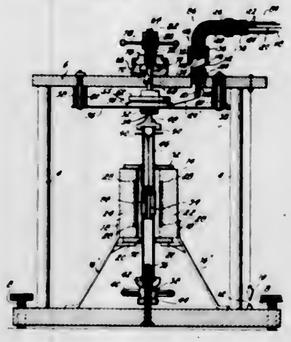
In a sheave support mounted between a pair of vertically disposed spaced uprights comprising a horizontally disposed bracket secured to one side of the uprights, a horizontally disposed arcuate track member having upwardly extending curved opposite end portions and secured to the opposite side of the uprights in downwardly spaced relation to the bracket, a vertical bearing in the central portion of the bracket, a sheave support between the uprights, a spindle rotatably secured in said bearing and extending below the bracket, the lower end of said spindle being rigidly connected to one end of the sheave support to provide a pivotal connection of the sheave support to the bracket, a horizontal pivot pin extending from the opposite end of the sheave support, a roller carried by the pivot pin and adapted to roll on the top of said arcuate track between the curved end portions to support said opposite end of the sheave support, said opposite curved end portions of the arcuate track limiting the movement of the roller, and a rotatable sheave removably mounted in said sheave support below the arcuate track and the bracket.

2,546,795
RADIANT TOASTER
Joseph W. Steckbauer, Manitowoc, Wis.
Application December 10, 1948, Serial No. 64,484
3 Claims. (Cl. 99—385)



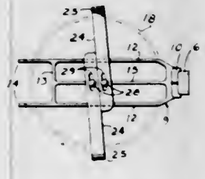
3. In a radiant toaster the combination with a base having a radiant central portion and a rim portion peripherally supporting said central portion, of toast supporting racks mounted upon said rim, said radiant central portion comprising spaced openings and downwardly projecting radiant tongues at the inner margins of the openings, said tongues being substantially faced toward said toast racks to direct radiant heat through said openings upon the toast supported by the racks.

2,546,796
ELECTRONIC DILATOMETER
Ralph I. Swanson, Gary, and Warren K. Smith, Indianapolis, Ind., assignors to United States Steel Company, a corporation of New Jersey
Application May 15, 1947, Serial No. 748,256
5 Claims. (Cl. 73—16)



1. In an electronic dilatometer a specimen holding and heating unit which comprises a frame having a horizontal base plate, a plurality of vertical standards connected thereto, a spaced horizontal upper plate supported thereby, an adjustable pedestal supported on the base plate, means on such pedestal to support a specimen to be tested, a condenser mounted on the upper plate in line with the pedestal and specimen, the condenser having an upper horizontal plate adjustably mounted on the upper plate of the frame and a lower horizontal plate confronting the upper plate and guided for motion toward and from the upper plate, the means for guiding and positioning said lower condenser plate comprising a dielectric diaphragm of which the plate is mounted, a feeler member between the upper end of the specimen and the lower condenser plate whereby changes in length of the specimen effect changes in the vertical position of such lower plate, and a furnace having a vertical opening therethrough adapted to fit about the specimen and to fit closely the specimen supporting means on the pedestal and the feeler member.

2,546,797
HOLDER FOR GARBAGE CONTAINERS
Joseph R. Swisher and James A. Soules, Decatur, Ill.
Application March 13, 1948, Serial No. 14,678
2 Claims. (Cl. 248—311)



1. A holder device for garbage pails and the like, the same comprising a rigid, open, frame-like support including an upright bar for attachment to a wall face or other vertical supporting surface, a horizontal base element attached at its inner end to the lower portion of said upright bar and having upturned pail retainer provision at its outer end, and a pair of transverse supplemental supporting members of substantially L-shape and respectively mounted with one of their legs horizontal and secured in side by side relation with provision for relative longitudinal adjustment cross-wise on said horizontal base element and their other legs vertical and disposed laterally from opposite sides of the base element.

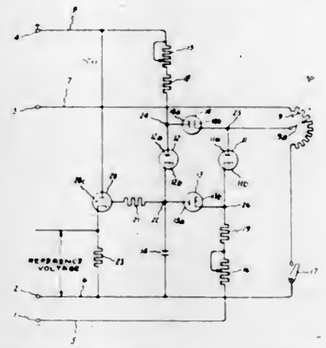
2,546,798
SOLUBLE COPOLYMERS OF ALLYLIC MALEATES WITH ALLYLIC ALCOHOLS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1946, Serial No. 646,217
4 Claims. (Cl. 260—78.5)

1. A soluble unsaturated copolymer of a diallylic maleate monomer wherein the allylic radical is selected from the class consisting of allyl and methallyl radicals with a 2-alkenyl alcohol having the formula

$$R—CH=C(R')—CH_2OH$$

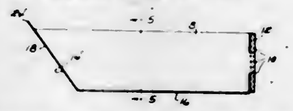
where one of the substituents R and R' is selected from the class consisting of hydrogen, methyl, and ethyl and the other is hydrogen, prepared from a polymerizable mix of said monomers, in which the proportion of the alcohol is at least 7% of the weight of the maleate.

2,546,799
ADJUSTABLE REFERENCE VOLTAGE SYSTEM
Robert R. Thatcher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1949, Serial No. 118,326
5 Claims. (Cl. 323—38)



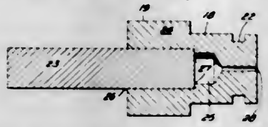
1. An adjustable direct current voltage supply unit comprising an adjustable voltage potentiometer and having adjustable voltage output terminal connections, a capacitor connected in circuit between said potentiometer and said output terminals and adapted to be charged to a voltage corresponding to the setting of said potentiometer, four uni-directional conducting devices arranged in a bridge circuit configuration and connected at diametrically opposite corners to said capacitor and said potentiometer, capacitor charging and discharging circuits respectively connected to the remaining corners of said bridge circuit configuration and having separately adjustable resistances therein, said uni-directional conducting devices being connected with polarities to provide two parallel current conducting paths between said charging and discharging circuits, the adjustment of said potentiometer determining the voltage charge level of said capacitor through control of conduction of said uni-directional conducting devices by said potentiometer.

2,546,800
PIE LOCK
Lillian Miller Thiac and Arthur J. Petivan, Jr., New Orleans, La.
Application June 29, 1949, Serial No. 102,044
2 Claims. (Cl. 65—12)



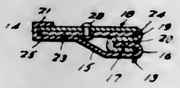
1. A protector for the open faces of cut pies comprising a pair of flat walls pivotally secured together at one end, angularly positioned bases having upwardly inclined end portions on the walls and said walls and bases being expandable in the cavity of the pie to abut the open faces of the pie.

2,546,801
STUD BEARING
Joseph J. Visone, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application February 17, 1948, Serial No. 8,838
1 Claim. (Cl. 308—15)



A bearing of the stud type comprising in combination, a tool steel bearing member shaped to provide a collar, a bearing portion, and means for retaining any cooperating member on said portion, a shoulder formed by a counterbore of a hole of relatively less diameter, means for air escape from said hole, and a cold rolled steel shank, to be press fitted and copper furnace brazed in said counterbore and abutted on said shoulder, to serve as a rivet.

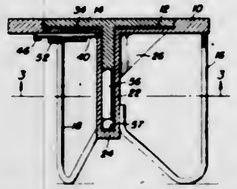
2,546,802
FRAME
Harmon H. Voege, Indianapolis, Ind.
Application June 22, 1949, Serial No. 100,711
3 Claims. (Cl. 160—381)



1. A frame of the character set forth comprising a plurality of long end abutting units, the units forming corners at their abutting ends, each unit comprising a front piece and a back piece, each front piece having an inturned edge portion along each longitudinal margin forming spaced opposing grooves, each back piece having a double reverse bend along its inner longitudinal margin providing an inwardly directed groove and an outwardly directed groove along said inner margin, the edge of the inturned portion along the inner margin of a front piece being engaged in the inwardly directed groove of the back piece and the groove along the outer margin of the front piece receiving a portion of the outer longitudinal edge of said adjacent back piece, a flat angular coupling plate at each frame corner between the inner and outer pieces, said plate having two shanks each having an inner longitudinal edge within the outwardly directed groove along the inner margin of the adjacent back piece, and means securing said plate to an adjacent back piece.

2,546,803
SERVING TABLE WITH ROTATABLE CENTER
William J. Waldon, Sr., Bakersfield, Calif.
Application October 20, 1949, Serial No. 122,420
1 Claim. (Cl. 311—33)

A table comprising a stationary top having a central circular recess therein, ground engaging supports terminally connected to said stationary top and to a centrally located hollow cylinder having a bottom wall, a plurality of annularly spaced rods secured to said stationary top and to said cylinder, a plurality of apertures in said stationary top, a roller bearing journaled on each of said rods and extending through said apertures, each of the bearings having an annular collar thereon, a ball bearing in said cylinder supported by said bottom wall, a shaft emplaced in said cylinder supported by said



ball bearing, a rotatable circular center piece secured to said shaft positioned within said recess and supported by said annular collars of said roller bearings.

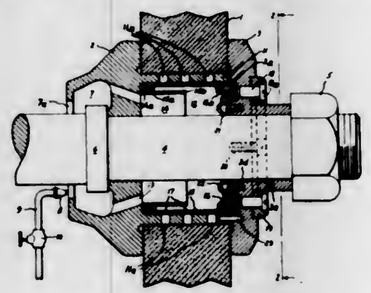
2,546,804
CARTRIDGE FEEDING DEVICE FOR AUTOMATIC FIREARMS
George Webb, Hartford, and William L. Swartz, West Hartford, Conn., assignors to Colt's Manufacturing Company, a corporation of Connecticut
Application April 19, 1944, Serial No. 531,726
13 Claims. (Cl. 89—33)



1. In an automatic firearm having a feed channel and feed mechanism operable automatically to move a feeder assembly therethrough, and a magazine mounted on the firearm and provided with a guideway communicating with the feed channel and adapted to support and guide a feeder assembly in its movement therein, the combination of a booster mechanism comprising feeding means additional to the feed mechanism of the firearm and repetitively operable to engage and effect the movement of the feeder assembly through the magazine, power means for actuating the feeding means, and acting independently of the length of the feeder assembly and constructed and arranged to render the feeding means ineffective after the feeder assembly has been moved by the feeding means a predetermined extent.

2,546,805
COOLANT REGULATOR FOR WET GRINDING WHEELS
Karl Weiss, Schenectady, and Herman R. Sautter, West Albany, N. Y., assignors to General Electric Company, a corporation of New York
Application September 20, 1950, Serial No. 185,752
5 Claims. (Cl. 51—267)

1. In a wet grinding wheel assembly of the type having first and second wheel support flange members one of which has an annular coolant inlet chamber with axially extending passages for admitting liquid coolant to a central recess within the grinding wheel, the combination of a wheel support cylinder connected with one bushing member and having a plurality of circumferentially spaced axial rows of ports for supplying coolant to the central recess of the grinding wheel, a flow regulating cylinder member supported from the other bushing member and disposed within and closely adjacent the inner surface of the wheel support cylinder, said flow reg-



ulating cylinder having a plurality of axial rows of differently arranged holes in varying numbers, and means for adjusting the regulating cylinder circumferentially to selectively align the rows of holes therein with said rows of ports in the wheel support cylinder whereby the quantity and distribution of water across the width of the wheel may be varied.

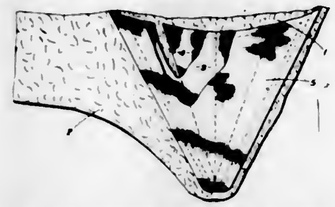
2,546,806
VIBRATING DEVICE
Harald Svenning Wenander, Stockholm, Sweden
Application October 22, 1947, Serial No. 781,421
In Sweden October 26, 1946
6 Claims. (Cl. 74—87)



1. A vibrating device comprising an outer casing, a rotary member having a surrounding surface of revolution and being fixed at one end of a rotatable shaft journaled at its other end, which member performs a planetary movement contacting a corresponding surface of revolution provided inside said casing, the journaled end portion of said shaft being rigid and secured against radial displacement and the remaining part of the shaft being flexible, at least one additional rotary member mounted on said flexible shaft portion between the ends thereof contacting a corresponding surface of revolution inside the casing and thereby serving as a support for the flexible shaft portion to prevent excessive flexing of said flexible shaft.

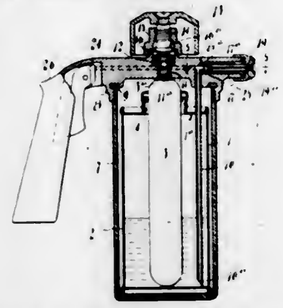
2,546,807
SHOULDER PAD FOR GARMENTS
John K. Wilson, London, England
Application February 2, 1949, Serial No. 74,135
In Great Britain November 7, 1947
1 Claim. (Cl. 2—268)

In a pad for the shoulder and sleeve of a garment, including a generally triangular envelope having an open mouth along the base side thereof and an insert of wadding within said envelope, the combination with a relatively stiff inextensible upper wall of said envelope and of a base wall of extensible felt continued integrally as an elongated shaped crease-preventing extension



adapted to be directed down the back of the shoulder and into the sleeve of the garment.

2,546,808
PRESSURE DISPENSING DEVICE
Geoffrey H. Wood, Toronto, Ontario, Canada, and Lawrence Thomas Ward, East Orange, N. J., assignors to Prel Incorporated, East Orange, N. J., a corporation
Application March 22, 1947, Serial No. 736,538
8 Claims. (Cl. 222—399)

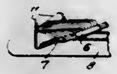


1. In a pressure dispensing device, the combination of an outer pressure-resistant casing provided with a discharge passage extending therethrough, a non-pressure-resistant material container mounted within the casing, a propellant gas cylinder mounted in the material container and having a portion of the exterior thereof located outside the material container, said propellant gas cylinder being charged with gas at a pressure which would if contained within the material container normally rupture same but which can be contained by the casing, and the outside portion of the cylinder being provided with a puncturable area, means for puncturing the puncturable area of the cylinder and for puncturing the material container to permit gas under pressure to enter the casing and the interior of the material container, and means connecting between the interior of the material container and the discharge passage in the casing for dispensing the material in the container.

2,546,809
BALE OF FIBROUS MATERIAL AND PROCESS OF FORMING SAME
Jan Hendrik Zimmermann, Serbalawan, Sumatra's Oostkust, Netherlands East Indies
Application July 29, 1946, Serial No. 686,900
In the Netherlands February 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1961
6 Claims. (Cl. 100—14)

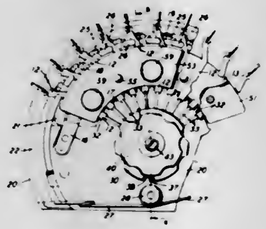
1. In the baling of long industrial fibers, the process which comprises arranging a mass of

fibers in a horizontal layer with the fibers running lengthwise of a baling box, the feet of the fibers being at one end and the fibers being folded backward upon themselves at the other end of the box, pressing succeeding layers of fibers into said box on top of said first layer to form a bale,



each of said layers at one end having a fold and the folds of successive layers being placed at opposite ends of said baling box, and prior to the pressing step displacing the folded ends of the fibers with respect to the remaining portions so that in the fold the fibers slant obliquely, whereby cracking of the fibers in the fold is prevented.

2,546,810
TOOL FOR USE IN REPLACING INSULATORS IN SWITCH BANKS
Fred A. Anderson, Richmond Hill, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 27, 1948, Serial No. 40,886
3 Claims. (Cl. 154—1.6)



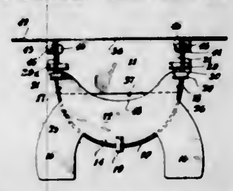
1. A tool for use in replacing insulators in switch banks without disconnecting the bank wiring from the terminals attached to an insulator which is to be replaced, consisting of a terminal locating and clamping fixture and an insulator clamping fixture; said terminal locating fixture comprising a base of hard rubber or similar insulating material, the shape of said base being a major segment of a circle having a cut-out space of the same shape as said insulators and only slightly larger in size, a terminal lock ring slidably channeled in the outer rim of said base having inverted T-shaped notches in its upper edge, one notch for each terminal to be clamped in said fixture, metal pins extending upwardly through vertical slots in said ring opposite and just outside of said notches so that the wiring ends of a row of terminals may be individually placed on one side or the other of the notches depending upon whether the terminals curve outwardly to the right or to the left, spring means adapted to engage either end of the lock ring as desired to move the ring to lock the terminals placed in said fixture between said pins and the one or the other side of the notches, metal pins set in the outer edge of the hub section of said base to position the inner ends of a row of terminals, retaining springs set in a knob of insulating material, one spring for each terminal, said knob having a limited rotary movement to move the springs into and out of engagement with the upper surface of the inner ends of terminals placed in said notches and between said pins, and a locking knob and washer mounted on a screw set in the pivot pin of said first-mentioned knob adapted when turned to press against and thereby lock the first-mentioned knob and springs in terminal retaining position, lugs on said base in position to accurately confine the ends of an insulator placed over terminals locked in said fixture, and flat springs fastened to said base and extending vertically adjacent the opposing edges of said cut-out section to further accurately confine an insulator with respect to a clamped row of terminals; said insulator clamping device comprising a top plate and a bottom plate which may be placed on opposite sides of a row of terminals held in said terminal clamping fixture with an insulator in position between the top plate and the terminals, the adjacent surfaces of said plates being covered with a layer of insulating material, said lower plate having pins corresponding to holes in the insulator extending upward through the insulator into corresponding holes in the upper plate so as to properly align the two plates with respect to each other and with respect to the insulator, and thumb screws loosely fixed in said upper plate positioned corresponding to the other holes through the insulator and to threaded holes in the lower plate for clamping the insulator and terminals between the plates; said insulator clamping fixture and clamped insulator and terminals being removable from the base upon release of the said lock knob and lock spring of said base.

2,546,811
KNOCKDOWN FURNITURE
George W. Anderson, Port Washington, N. Y.
Application February 16, 1949, Serial No. 76,702
3 Claims. (Cl. 155—196)



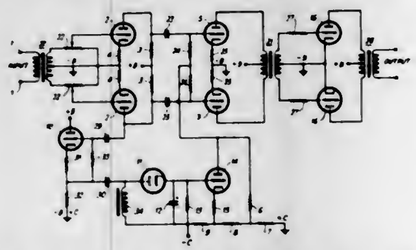
1. A knock-down chair or the like comprising a sheet of resilient material bowed from its normal condition into the form of an upstanding supporting structure having a curved back and side portions extending forwardly from the back, a seat member pivotally connected adjacent its forward edge to the side portions of said supporting structure, said seat having a configuration for engaging the curved back, a stretcher pivotally connected adjacent its forward edge to the side portions of said supporting structure and having engagement with the side portions of said supporting structure and the underside of said seat member to support said seat member, and means engaging said seat member and said stretcher, respectively, and the side portions of said supporting structure to hold the side portions of said supporting structure from spreading away from said seat member and stretcher.

2,546,812
KNOCKDOWN TABLE FURNITURE
George W. Anderson, Port Washington, N. Y.
Application April 5, 1949, Serial No. 85,583
6 Claims. (Cl. 311—35)



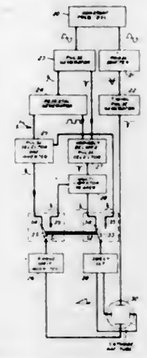
1. A knock-down piece of furniture comprising a sheet of resilient material bowed to form a body structure with a curved bottom portion and upstanding side portions, a stretcher extending between said upstanding side portions, means connecting each of said side portions to said stretcher, a panel adjacent each end of said body structure, each panel having edges conforming to curved interior surfaces of said body structure and a pair of extensions spaced from each other and passing through slots in said body structure to the exterior thereof, means for holding said panels with respect to said body structure, said holding means including studs carried by said panels and passing through holes in said body structure, and a table top supported by said structure.

2,546,813
SIGNAL SHAPING AMPLIFIER
Warren A. Anderson, West Brighton, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1946, Serial No. 644,520
8 Claims. (Cl. 178—70)



7. A signal shaping amplifier system for telegraph signals, comprising first and second resistance-capacity coupled push-pull stages each having a pair of vacuum tubes, said tubes each comprising a grid, a cathode and an anode, means for supplying telegraph signals of varying amplitude in push-pull relation to the grids of said first stage, circuit elements for biasing said first stage to act as an amplifier for accepting said signals of varying amplitude, a bleeder resistance network connected from a point intermediate its end to the grids of the tubes of said second stage for biasing said second stage to cut-off in the absence of signals applied to said first stage, an amplifier device having a grid and a cathode and providing an output which is less than its input, a connection between said last grid and a tube in said first stage for supplying excitation potentials to said device, a resistor network in the cathode circuit of said amplifier device, a half-wave rectifier having an anode coupled to a point intermediate the ends of said last resistor network and having a cathode coupled to a time constant circuit, a D. C. amplifier having a grid coupled to the cathode of said rectifier and having cathode and anode electrodes coupled across a portion of said bleeder resistance network, said D. C. amplifier being biased to cut-off by the bleeder resistance network in the absence of signals, whereby the bias applied to the grids of said second stage in the presence of signals is the cut-off voltage plus a fixed percentage of the applied signal.

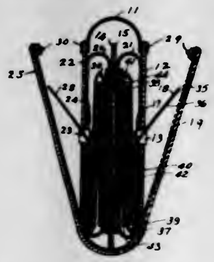
2,546,814
INDICATING APPARATUS
Herbert W. Augustadt, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1947, Serial No. 772,429
3 Claims. (Cl. 175—381)



1. Electric delay measuring apparatus comprising a cathode-ray device having means for directing a cathode-ray beam to a luminescent screen, and deflecting means for moving the beam along two rectangular coordinates, oscillatory means for producing a first and a second portion of a constant frequency alternating electric wave, phase shifting means for changing the phase relation of said second portion with respect to said first portion by any fractional part of a complete cycle, means responsive to said phase displaced second wave portion for producing a first series of recurring pulses the frequency of recurrence of which is equal to the cyclical frequency of said second wave portion, means controlled by said first wave portion for producing a second series of recurring pulses the frequency of recurrence of which is at all times an integral submultiple of said first and second wave portions, means responsive to said second series of pulses for producing a third and a fourth series of pulses having frequencies of recurrence equal to that of said second series of pulses, said fourth series of pulses being delayed with respect to corresponding pulses of said third series of pulses by a variable interval, means responsive to said third series of pulses for producing a fifth series of pulses the period of which is equal to that of said third and fourth series and which pulses may be delayed by a variable interval with respect to corresponding pulses of said fourth series, means controlled by pulses of said first and fifth series for causing the deflection of said cathode-ray beam along one of said coordinates, means responsive to the delayed pulses of said fourth series of pulses for causing the deflection of said cathode-ray beam along the second of said

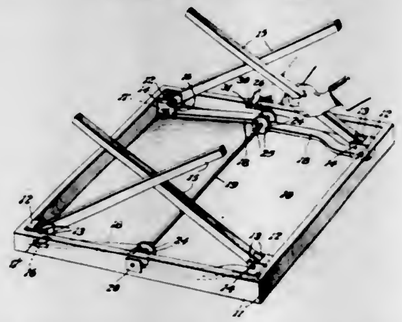
coordinates, said deflection being initiated subsequent to corresponding pulses of said third series and prior to corresponding pulses of said fifth series of delayed pulses, whereby the degree of coincidence of the deflections caused by the pulses of said first and fifth series of pulses may be portrayed on an expanded scale.

2,546,815
BILL DISPENSING POCKETBOOK
Harry D. Baird, Baltimore, Md., assignor of fifty per cent to Joseph Schlossberg, Baltimore, Md.
Application May 31, 1946, Serial No. 673,496
2 Claims. (Cl. 150—38)



1. A pocket book of the character described comprising an outer U-shaped cover, an inside U-shaped container nested within said outer cover, a central container for holding cards and dividing said inside container into two compartments, a flexible flap in each of said compartments adapted to contain folded bills, said inside container and flexible flaps having adjoining slots therein to allow the removal of the folded bills therethrough, a slide fastener connecting the opposite free ends of the inside container and cooperating snap fasteners for securing the adjacent ends of said cover and of said inside container.

2,546,816
FOLDING LEG ACTUATOR AND LATCHING MECHANISM
John Benvissuto, Brooklyn, N. Y., assignor of one-half to Albert Lavenburg, New York, N. Y.
Application September 11, 1946, Serial No. 696,271
4 Claims. (Cl. 311—85)



1. A table having a table top and legs, said legs being pivoted to fold with respect to the table top, and each leg having a stub end beyond the pivot thereof, a single straight rotatable bar beneath the table top extending from side to side thereof, all of the pivots for said legs being parallel to said bar, stiff means pivoted to each of said stub ends and extending therefrom substantially to said bar, discs fixed on said bar, each disc having two pivots located thereon and offset from each other diametrically of the disc and each pivot connecting a different one of said stiff means with said bar and rotatable with said bar whereby swinging any one of said legs to folded or unfolded position rotates said bar and thereby simultaneously swings the other of said legs correspondingly to folded or unfolded position.

2,546,817
HAIR WAVE SOLUTION RECEPTACLE
Devona A. Brunner, Chicago, Ill., assignor of one-half to Howard Brunner, Chicago, Ill.
Application January 29, 1947, Serial No. 725,073
2 Claims. (Cl. 4—159)



1. A device for use during the application of hair wave solution to curls, comprising a solution storage receptacle having an open top and an imperforate flat bottom, a drain member extending laterally and upwardly at about a 45° angle therefrom, said drain member being open on its upper side and terminating in a thin flexible edge portion free of transverse reinforcement, said drain member and receptacle being an integral unit of a shape and size which may be conveniently wholly embraced transversely of its length by the hand of an operator for holding the upper edge of the drain member against the scalp successively underneath individual curls to which the solution stored in the receptacle is to be applied whereby each individual curl may lie in and upon said drain member during the application of solution thereto, the weight of the receptacle and the shape of its bottom relative to the weight and leverage of the lateral drain member being adequate to enable the device to support itself flatly on its receptacle bottom with said drain member inclined as aforesaid.

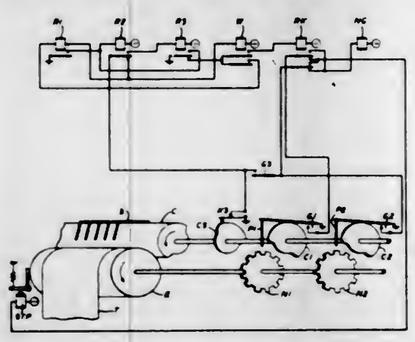
2,546,818
ELECTRIC SWITCH CONTACT PROTECTION
Austen M. Curtis, deceased, late of South Orange, N. J., by Lavalette Stevenson Curtis, executrix, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1946, Serial No. 664,169
6 Claims. (Cl. 175—294)



1. In an electrical circuit, an electric load comprising a neutral electromagnetic relay having a winding and a first pair of unenclosed contacts thereon arranged to close and to release, a second pair of unenclosed contacts in said circuit controlling the connection of a source of direct-current potential in said circuit to said winding, a

contact protector connected in shunt with said second pair of contacts, said protector comprising a gas-filled discharge tube and a non-reactive, non-linear resistance, said resistance having relatively high magnitude at low voltage and relatively low magnitude at high voltage, connected in series with said tube to protect said second contacts against deterioration and to reduce the delay in the release of said first pair of contacts when said second pair of contacts open.

2,546,819
STEPPING FAILURE INDICATOR FOR SENSING DEVICES
John W. Gooderham, Rye, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1948, Serial No. 55,793
12 Claims. (Cl. 177—311)



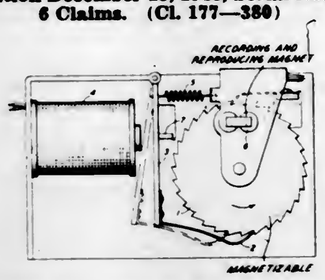
1. In combination, a movable member, cam-actuated feeler pins periodically contacting said member, cam-actuated contacts closed at the time when said feeler pins are out of engagement with said member, circuit means operably controlled by said cam-actuated contacts, and means controlled through said circuit means responsive to said feeler pins for producing a signal when said member does not move in the interval between two successive contacts of said feeler pins therewith.

2,546,820
PAPER AND DEODORANT DISPENSER
Philip J. Grant, Oakland, Calif.
Application April 7, 1947, Serial No. 739,939
3 Claims. (Cl. 242—55.2)



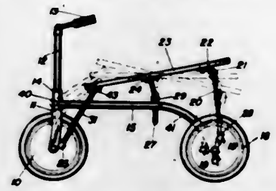
2. A rolled-paper dispenser comprising: a hollow mandrel; a cap detachably secured over each end of said mandrel, one of said caps being apertured; a disc bearing secured to one of said caps coaxially therewith; an inwardly extending sleeve secured to the other of said caps coaxially therewith; an outwardly extending sleeve telescoping with said inwardly extending sleeve; a loading spring disposed within said sleeves for resiliently urging them apart, and a disc bearing secured to the outer end of said outwardly extending sleeve.

2,546,821
MAGNETIC RECORDER AND REPRODUCER
Harry Hansen, Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1948, Serial No. 66,091
6 Claims. (Cl. 177—380)



1. A magnetic recorder and reproducer comprising in combination a rotatable magnetizable medium having a plurality of stationary recording positions, means for recording magnetic signals on said medium at said recording positions, and means for rotating said medium to each of said recording positions during one revolution of said medium and to positions intermediate to said recording positions during the succeeding revolution of said medium, thereby to cause said recorded signals on said medium to pass under said recording means during said succeeding revolution.

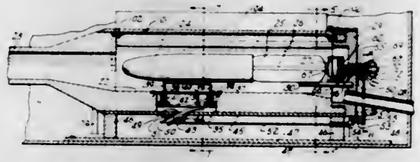
2,546,822
COMBINATION ROLLER TOY
Percy H. Herrick, Baltimore, Md., assignor to Products Manufacturing Co., Inc., a corporation of Maryland
Application November 15, 1948, Serial No. 60,158
1 Claim. (Cl. 280—7.15)



A vehicle comprising a tubular frame having a horizontal front portion, a straight shank rotatively supported in the forward end of said frame, said shank having handle bars at its upper end and a fork at its lower end, a steering wheel mounted in said fork, said frame terminating in a bifurcated end extending downwardly from the aforesaid front portion, a crankshaft mounted in said bifurcated end, a pair of traction wheels secured to each end of said shaft, a seat, a bearing carried by said frame at the junction of the front portion and bifurcated end of the frame, a U-shaped bracket having the free ends of its side arms secured to the underside of said seat and having its horizontal portion rotatively received in said bearing, a pair of foot rests secured to the front end of the seat and extending downwardly therefrom to straddle the steering wheel, a yoke depending from said frame at a point in vertical alignment with said bearing, and a rod having one end pivotally connected to the rear end of said seat and having its opposite end selectively connectible to either the said crankshaft or the said yoke, whereby said seat may be

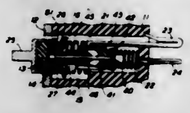
gyrated simultaneously about said bearing and crankshaft when said rod is connected to said crankshaft, and is immobilized with respect to said frame when said rod is connected to said yoke, said seat remaining horizontal when the rod is in said last position.

2,546,823
ROCKET MACHINE GUN
Ernest Holloway, Cleveland, Ohio
Application November 10, 1948, Serial No. 59,205
4 Claims. (Cl. 89—1.7)



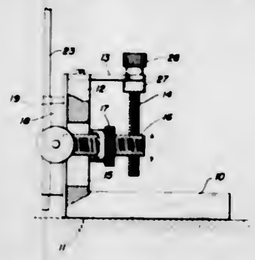
1. In a rocket-launching device for an aircraft, a firing chamber, a sliding door operatively connected to said chamber for permitting rockets to be deposited in the latter, a barrel projecting from the forward end of said firing chamber a rotatable roller positioned adjacent said firing chamber, a shaft extending longitudinally through said roller and adapted to be rotated by a source of power, a second shaft positioned in spaced, parallel relation with respect to said roller, a belt trained over said roller and said second shaft for conveying rockets to said firing chamber, a means operatively connecting said roller to said door for opening and closing the latter, means in said chamber for firing said rockets through said barrel, and a plurality of spaced clips connected along the side edges of said belt for reinforcing the latter.

2,546,824
ELECTRICAL PROTECTIVE APPARATUS
Peter P. Koliss, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 11, 1947, Serial No. 791,007
10 Claims. (Cl. 200—115)



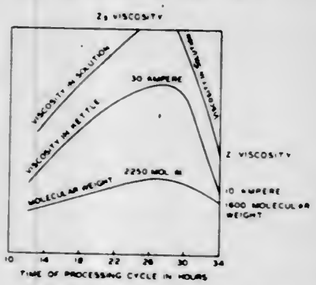
1. An electrical protector comprising a housing of insulating material, a face plate of conductive material for said housing, said housing having a plurality of recesses therein, a protector assembly positioned in each of the recesses, said protector assembly including a heat coil and a spaced gap protector, said spaced gap protector comprising two cylindrical blocks and means for holding said blocks in spaced relationship, said blocks and said heat coil being aligned horizontally in their respective recess along a common horizontal axis, a first and a second helical spring for exerting pressure on elements of said protector assembly, whereby to normally maintain the elements of the assembly in compactly assembled relationship, said helical springs also being aligned along said common horizontal axis with the turns of said first spring coextensive with a portion of said heat coil, means for connecting one element of said spaced gap protector to said face plate, a terminal for connection of an incoming line, a terminal for connection of a central office line, means including said first helical spring for connecting the other element of said spaced gap protector and one terminal of said heat coil to said incoming line terminal, and means including said second helical spring for connecting the other terminal of said heat coil to said central office line terminal.

2,546,825
ADJUSTABLE SCALE HOLDING DEVICE
Louis B. Kravetz, Baltimore, Md.
Application June 9, 1948, Serial No. 31,917
3 Claims. (Cl. 33—95)



1. A gauge comprising in combination, a base having its lower surface finished off for laying on a surface plate, a side wall extending at right angles from one side of said base, said side wall having an oblong slot therein, a bracket extending at right angles from said wall parallel to said base, an adjusting screw, means for mounting said screw on said bracket for rotation only, a second screw extending through said slot and in threaded engagement with said first screw and reciprocable thereon, a plate attached to said second screw and movable therewith, a scale, and means for holding said scale in adjustable relation to said surface plate for measuring its position with respect thereto.

2,546,826
DEPOLYMERIZED COPAL-LIKE RESINOUS ESTERS
William Krumbhaar, New York, N. Y.
Application April 20, 1949, Serial No. 88,608
18 Claims. (Cl. 260—59)



1. The method of preparing copal-like resinous esters which comprises depolymerizing a reversible gel resin of a rosin acid-polyhydric alcohol ester containing free hydroxyl groups, the polyhydric alcohol being selected from the group consisting of glycerine and the pentaerythritols, said rosin acid-polyhydric alcohol ester being modified by reaction with a phenol-formaldehyde condensate and said reversible gel resin being free from fat acid esters the amount of phenol-formaldehyde condensate being not less than 20% and not more than 35% on the quantity of rosin present, and the polyhydric alcohol being not less than 12% and not more than 20% on the quantity of rosin present, by heat treatment from just below gelation temperature to the maximum temperature used and from said maximum temperature back to just below gelation temperature, all in a time period of from 4 to 10 hours within the temperature range of 270 to 325° C. with agitation to equalize the temperature in the mass but without mastication, during which heat treatment the resinous ester first gels and then degels and passes through its maximum viscosity to produce a depolymerized copal-like resinous ester.

2,546,827
ARCH SUPPORTING DEVICE
Albert Lavinthal, Trenton, N. J.
Application October 2, 1948, Serial No. 52,526
3 Claims. (Cl. 36—71)



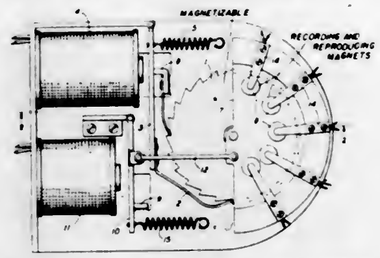
2. An arch supporting device for insertion in a shoe comprising two flexible members seamed along their edges and forming an enclosure presenting a flexible surface engageable by the foot of a wearer and containing a silicone compound which is resilient and has sufficient plasticity to flow in response to the weight of a wearer applied to said flexible surface and said enclosure having partition means forming separate compartments, at least one of said compartments having said silicone compound therein.

2,546,828
TARGET ASSEMBLY FOR CATHODE-RAY TUBES
Gustave Levy, East Orange, N. J., assignor to National Union Radio Corporation, Orange, N. J., a corporation of Delaware
Application February 17, 1950, Serial No. 144,627
1 Claim. (Cl. 313—89)



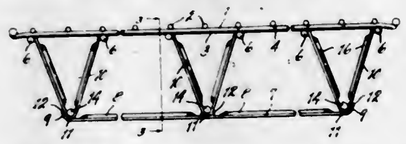
In combination, a cathode-ray tube having an enlarged bulb section which is arranged to be sealed to the end of a corresponding flared section of the cathode-ray tube, a screen member within the tube, means to anchor and locate said member in spaced relation to the inner surface of the end wall of said bulb section, the last-mentioned means comprising a series of springy tungsten wires each terminating at one end in a glass beaded metal alloy disc having substantially the same coefficient of expansion as the glass of the bulb, each wire being integrally attached at its opposite end to the margin of said member and being spring-pressed inwardly by engagement of the beaded end thereof with the wall of the bulb section, the glass bead on each wire being fused to the internal side wall surface only of said bulb section for thermally and electrically insulating the screen member from the bulb section, said discs on said wires being located adjacent the sealing region between said flared section and said enlarged bulb section whereby the sealing heat for effecting sealing of the two bulb sections simultaneously causes fusion of said glass beads to the wall of said bulb section.

2,546,829
MAGNETIC RECORDER AND REPRODUCER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1948, Serial No. 66,090
7 Claims. (Cl. 177—380)



1. A magnetic recorder and reproducer comprising in combination a movable magnetic medium, means for moving said medium in steps, means including a magnet for recording magnetic signals on said medium at each step thereof while said medium is stationary, and means including said magnet for reproducing said signals at each step of said medium while said medium is moving.

2,546,830
HANDLING PALLET OR SKID ADAPTED FOR LIFTING TRUCKS AND THE LIKE
Stanton R. McKim, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Application June 5, 1947, Serial No. 752,653
11 Claims. (Cl. 248—120)



1. In a materials handling pallet, the combination of a grid-like top comprising upper and lower series of parallel metal slats disposed with the slats of the series in crossing relation and fixedly connected at their crossing points, spaced pairs of top bars disposed in parallel relation on the under side of the top and transversely of the slats of the lower series and fixedly secured thereto, the bars of the pairs being laterally spaced, a base comprising spaced parallel base bars of sheet metal disposed horizontally flatwise and in transverse relation to said top bars, sheet metal leg members comprising integral

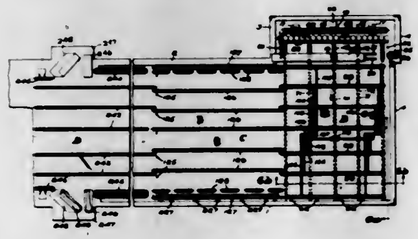
upwardly diverging legs disposed on and welded to the tops of said base bars, the upper ends of the legs being welded to the top bars of a pair, and base rods disposed transversely of the base bars in the bights of the leg members and welded thereto, the bights of the leg members being disposed between the base rods and the base bars, said base bars and legs having longitudinal reinforcing ribs struck therefrom, the ribs of the leg members terminating at their lower ends above the bights of the leg members, and the ribs of base bars extending between the bights of the leg members and terminating adjacent said bights.

2,546,831

METHOD AND APPARATUS FOR AUTOMATICALLY MAKING RECTANGULAR SHEETS OF FABRIC

Edward C. Newell, Derry Village, N. H.

Application June 21, 1947, Serial No. 756,244
21 Claims. (Cl. 112—2)



1. A method of automatically making in sequence from a web of flexible woven sheet material formed of interwoven warp threads and weft threads with the warp threads extending longitudinally of the web strictly rectangular articles hemmed at their respective ends, which method comprises intermittently forwarding the sheet in a horizontal plane in the direction of its length, severing therefrom along the line of a weft thread successive article forming sections of predetermined length causing said sections if distorted to assume strictly rectangular form, forwarding each severed section laterally in the same plane to hem-folding position, arresting it when in folding position, simultaneously folding narrow marginal portions throughout the entire length of the respective severed end edges upon the body of said section while said section is at rest, simultaneously folding throughout the entire length of each end of each section a hem of desired width upon the body of said section with the marginal portions therebetween, permanently securing the hem thus folded to the body of said section and finally delivering the finished article.

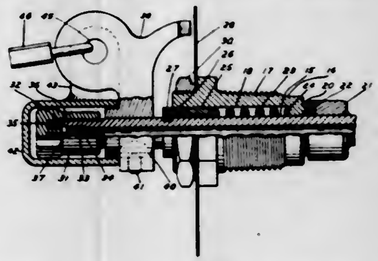
2,546,832

LIQUID LEVEL GAUGE

Harold L. Norway, Evanston, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application June 5, 1946, Serial No. 674,428
4 Claims. (Cl. 73—298)

3. In a device of the class described, a liquid level gauge comprising an elongated body adapted to be supported in the wall of a container and having an opening therethrough into said container, a rotatable dip tube extending through said opening into said container, a collar fixed to said dip tube disposed at the inward end of said body, a seat member integral with said body on the inward end of said body, a sealing ring carried by said collar and disposed so as to form a seal with said seat member, an internal shoulder in said body, a second collar



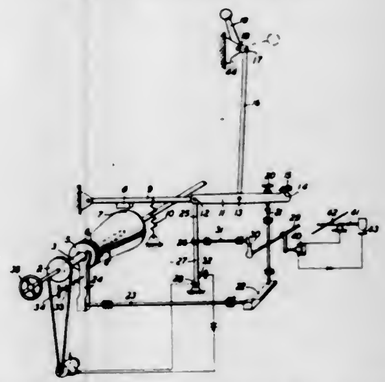
attached to said dip tube, a spring for urging said collar against said seat member disposed about said dip tube within said elongated body and bearing against said internal shoulder in said body and said second collar, a valve on the outward end of said dip tube, and means for indicating rotation of said dip tube.

2,546,833

MECHANISM FOR STARTING AND STOPPING WEAVING LOOMS

Erwin J. Pfarrwaller, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application December 4, 1946, Serial No. 714,022
In Switzerland June 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 18, 1963
9 Claims. (Cl. 139—336)



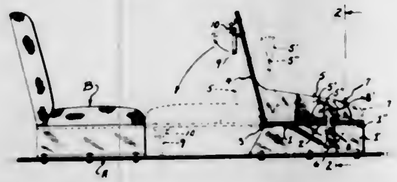
1. A mechanism for controlling the operation of looms for weaving having a motor, a drive shaft, a clutch interposed between said shaft and said motor, and brake means for braking said shaft, said mechanism comprising a single handle movable in two different directions, actuating means interconnecting said handle and said brake means, and clutch operating means engageable by said actuating means and connected with said clutch, said actuating means being adapted to release said brake means upon movement of said handle in one direction and to engage said clutch operating means upon movement of the same handle in the other direction.

2,546,834

COMBINATION BED AND SEAT EQUIPMENT FOR AUTOMOBILES

Harry Pfau, Kenosha, Wis.

Application February 14, 1948, Serial No. 8,383
1 Claim. (Cl. 155—7)



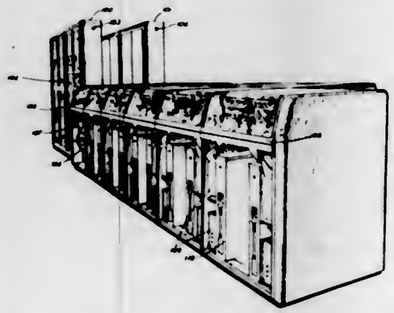
A combination seat and bed for automobiles comprising a skeleton seat supporting frame, having a top wall and side walls, the top wall being slotted adjacent to the side walls, the front seat including a back and base extending at approximately a right angle to each other, the intersecting corner of the back and base being in hinged connection with the rear edge of the supporting frame, the front portion of the seat base being slotted in alignment with the supporting frame slots, a pair of beveled head dogs pivotally connected to the supporting frame side walls and extending through the slots of said supporting frame, coil springs connecting the tail ends of the dogs and seating support frames, a crank shaft journaled in the side walls of the seat supporting frame having the crank portions extended through the tail end of said dogs, an actuating lever carried at one end of the crank shaft, whereby the dogs are released from engagement with the base of the front seat, whereby the back of the seat is swung in alignment with the rear seat and the base of said seat forms a foot board.

2,546,835

CODE RECORDING CONTROL CIRCUIT

Robert O. Rippere, Massapequa, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 24, 1949, Serial No. 101,086
15 Claims. (Cl. 164—113)



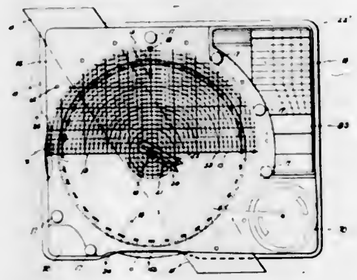
1. The combination of a record scanner, a plurality of devices for producing records, a manual means for starting an automatic operation for preparing each of the said plurality of devices but not effecting actuation of a means to produce a record, a manual start means for starting the operation of said scanner and said record producing devices and means under control of said first manual means for rendering said second-named manual start means actuative to effect recording.

2,546,836

AIRCRAFT FLIGHT DETERMINING INSTRUMENT

Robert L. Saloschin, New York, N. Y.

Application January 29, 1946, Serial No. 643,991
10 Claims. (Cl. 33—1)



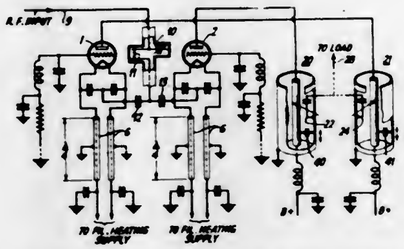
1. A navigation device for aircraft comprising a base, a shaft, a light-transmitting grid disc mounted on said shaft, a light-transmitting compass rose plate disposed over said disc and mounted on said shaft, said disc being rotatable relatively to said plate, a wind vector attachment rotatably mounted on and longitudinally movable with relation to said shaft, and means fixedly securing said plate to said base.

2,546,837

PARALLELED AMPLIFIER CIRCUITS

Stiles C. Stribling, Jr., Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

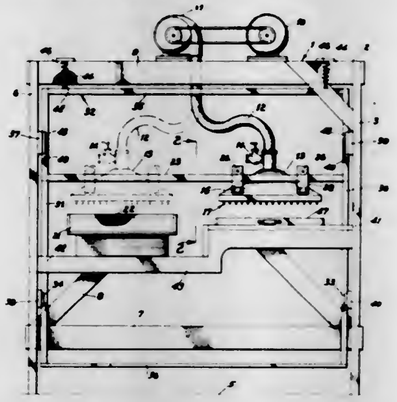
Application August 21, 1947, Serial No. 769,772
8 Claims. (Cl. 179—171)



4. A radio frequency amplifier stage comprising first and second vacuum tubes each having a grid, an anode and a cathode, connections of low impedance to energy of the operating frequency from the grids of said tubes to ground, a connection of low impedance to energy of the operating frequency between said cathodes, a source of radio frequency excitation, a pi filter network coupled between said source and a point on said last connection electrically centered relative to said cathode, said network including a variable inductor and a variable capacitor, individual and similar concentric line tank circuits coupled to the anodes of said tubes, an adjustable slider for each tank circuit for varying the tuning thereof, an output coupling loop for each tank circuit, and a common load symmetrically coupled to said loops, said loops and load being so constructed and ar-

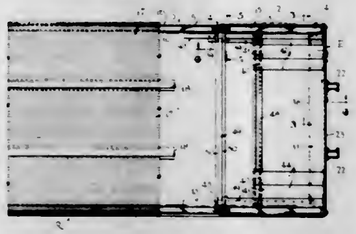
ranged that the outputs from said tank circuits additively combine in said load without causing circulating current to flow between said tank circuits.

2,546,838
SEED PLANTER
Carl H. Tasche, Los Angeles, Calif.
Application September 10, 1945, Serial No. 615,461
3 Claims. (Cl. 111—1)



1. A seed planter comprising a horizontal track, a suction header slidable on said track, means supporting said track for vertical movement, means under control of the operator for raising and lowering said tracks, means for supporting a seed bin and a flat side by side under said track, said suction header having a horizontal coordinate array of suction tubes embracing an area substantially the same as the area of said flat, each of said tubes having a suction aperture smaller than the seed, means for producing a suction in said header and means for controlling the suction in said header.

2,546,839
REINFORCING STRUCTURE FOR VEHICLE BODIES, ESPECIALLY FOR RAILWAY CARS
Raymond J. Theriault, Glenside, Pa., assignor to The Budd Company, Philadelphia, Pa.
Application March 31, 1945, Serial No. 585,908
8 Claims. (Cl. 105—397)



1. In a vehicle body having a side wall, a roof and an end wall, all constituting main stress-transmitting members of the body structure, a door opening in the side wall adjacent said end wall, and a stress-transmitting plate structure arranged horizontally above the door opening but below the middle portion of the roof, said plate structure being shaped and designed for the transmission of stresses in all horizontal directions within its plane, said plate structure projecting in longitudinal direction into the interior of the body beyond said door opening and being stress-transmittingly connected to said end wall, to said side walls above the door opening and beyond said door opening in inboard direction, and to a transverse structure member spaced in inboard direction from said door opening and arranged at about the level of the upper margin of the door opening.

2,546,840
WAVE GUIDE PHASE SHIFTER
Warren A. Tyrrell, Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1945, Serial No. 590,365
1 Claim. (Cl. 178—44)



A phase shifter comprising a non-radiating cylindrical section of wave guide, coplanar longitudinal conductive fins connected internally to the periphery thereof and provided with impedance matching terminals at opposite ends thereon, said fins being symmetrically disposed and on opposite sides with respect to the principal axis of said section, the length of said fins being proportioned to provide a predetermined phase shift.

2,546,841
AMINO-ALDEHYDE RESIN PLASTICIZED WITH A POLYVINYL ACETAL AND A FLOW-PROMOTING SECONDARY PLASTICIZER
Henry P. Wohnsiedler, Darien, and William S. Sloatman, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 19, 1946, Serial No. 684,782
12 Claims. (Cl. 260—32.6)

1. A molding composition comprising a melamine-formaldehyde resin plasticized with a compatible polyvinyl acetal selected from the group consisting of polyvinyl formal, polyvinyl acetal, and polyvinyl butyral and a flow promoting secondary plasticizer compatible with both said resin and acetal and selected from the group consisting of ortho-cresyl glyceryl ether, benzamide and acrylamide, said polyvinyl acetal being present in an amount from 10–30% based on the resin composition, said secondary plasticizer being present in an amount from 20–40% based on said acetal, said melamine-formaldehyde resin having been prepared by reacting reactants consisting essentially of melamine and formaldehyde in mol ratios of from 1:1.5 to 1:4, respectively, and said melamine-formaldehyde resin being fusible at temperatures up to 145° C.

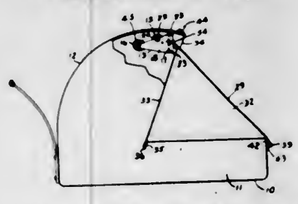
2,546,842
BOXER'S HEAD GUARD
Mahlon Harvey Yealdhall, Baltimore, Md.
Application September 20, 1949, Serial No. 116,690
1 Claim. (Cl. 2—3)

A head protector comprising a semi-circular band of resilient material encompassing the forehead of the wearer, a semi-circular membrane bag secured to the ends of said band at points substantially above the ears of the wearer, said bag extending downwardly from its points of attachment to said band to an apex substantially at the neck of the wearer, a resilient



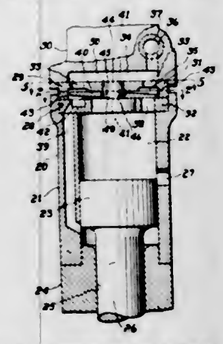
cushion in said bag, and a resilient band connecting the median portion of said band with the upper median portion of said bag and extending across the head of the wearer.

2,546,843
STORM AND INSECT NETTING SHIELD FOR BABY CARRIAGES
Nicholas Zigterman, Highland, Ind.
Application June 11, 1948, Serial No. 32,443
4 Claims. (Cl. 5—364)



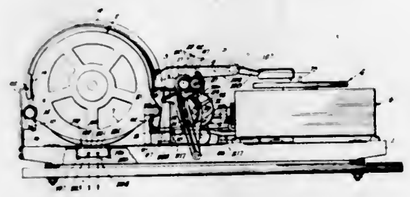
1. In combination with a baby carriage shield support means mounted in said carriage, rollers mounted in said support means, and protective shields for said carriage carried by said rollers.

2,546,844
FLUID DISTRIBUTING VALVE MECHANISM
Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application May 25, 1946, Serial No. 672,275
3 Claims. (Cl. 251—118)



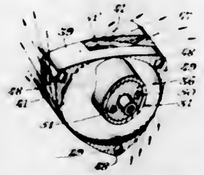
1. In a fluid distributing valve mechanism, a valve chest having a valve chamber and comprising a plurality of members each having pressure fluid conveying passages opening into the valve chamber, an oscillatory plate valve in the valve chamber to control the passages in one member and having an aperture extending axially therethrough, a fulcrum at the median line of the valve seating upon one of the members to enable the valve to rock from side to side for controlling the passages in said one member, a stationary stem on one member extending into the aperture and being of only sufficiently smaller diameter than the aperture to permit of rocking movement of the valve about the stem, and means on the valve and on the stem cooperating with each other to prevent rotational movement of the valve within the valve chamber.

2,546,845
SELECTIVE RECORD PLAYER
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Chicago, Ill., a corporation of Michigan
Application March 25, 1944, Serial No. 528,115
4 Claims. (Cl. 274—10)



1. In a record player of the character described the combination of a turntable, a pivotally mounted reproducer arm, adjustable means for placing said arm in position relative to said turntable to play either large-diameter or small-diameter record discs, and electromagnetic means including conductors individually associated with record discs of one of said diameters for adjusting said arm-placing means to place said arm in position to play record discs having said one of said diameters, said arm-placing means being normally adjusted to place said arm in position to play record discs having the other of said diameters.

2,546,846
MOTOR-DRIVEN TOOL
Kenneth C. Atkin, Muskegon, Mich., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application November 1, 1947, Serial No. 783,607
3 Claims. (Cl. 172—56)



1. In a portable power-driven rotatable tool comprising a vertically disposed housing having spaced openings therein near the top and central portions, an electric motor positioned within the top portion of the housing and substantially between the spaced openings, said electric motor having a driven shaft extending downwardly in said housing, a motor cooling fan mounted on said driven shaft and positioned adjacent the

openings near the central portion of the housing, whereby a current of air is drawn in through the top openings down over the electric motor and thrown outwardly through the central passages by the motor cooling fan, and gear means associated with the lower end of said driven shaft and said tool for imparting rotation thereto, said housing at its central portion having an external triangular shape with supporting bosses at the triangle vertices, said bosses having curved inner and outer surfaces to provide a plurality of diverging air passages of spiral shape extending substantially transversely of said fan shaft whereby air discharged therefrom is directed from the housing between said surfaces.

2,546,847
DUAL CONTROL SWITCH
Frederick G. Beuer, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 23, 1948, Serial No. 45,621
2 Claims. (Cl. 200—153)



1. A switch device comprising a pair of contacts, at least one being movable, an actuator for said movable contact, a guide member movable in a line intersecting said contacts and having a longitudinal keyhole shaped slot with opposed recesses in the sides thereof, and a keyhole shaped, laterally resilient element lodged in said slot and having lateral ears seated in said recesses for firmly securing said element to said guide member, said element also having a central tongue movable to and from positions between said contacts for affecting the operation thereof.

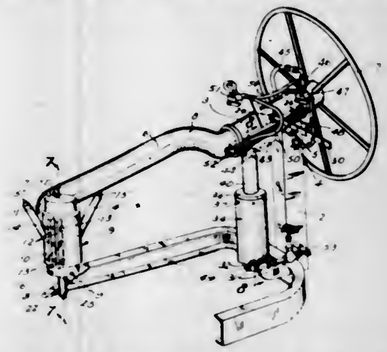
2,546,848
CRUSHABLE CONTAINER
Harold Rogers Bishop, New York, N. Y., assignor to Nips, Inc., New York, N. Y., a corporation of Delaware
Application May 3, 1949, Serial No. 91,133
3 Claims. (Cl. 128—272)



1. An article of the type described comprising a crushable vial, a perforate sleeve enclosing said vial, an absorbent covering overlying said sleeve, and means for closing the ends of said covering, said sleeve comprising a fluid repellent tube having one or more openings.

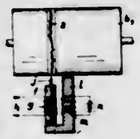
2,546,849
ROTATABLY AND PIVOTALLY ADJUSTABLE WHEEL HOIST AND SUPPORT
Charles E. Branick, Fargo, N. Dak.
Application May 27, 1946, Serial No. 672,502
1 Claim. (Cl. 144—288)

A rotatably and pivotally adjustable wheel hoist and support including a base, an upright supporting member rigidly secured at its lower end to said base, a split sleeve pivotally connected to the upper end of said upright, a forwardly-projecting arm journalled adjacent its rear end in said split sleeve, means for contracting said sleeve about said arm whereby to lock said arm in a desired set position, a hand wheel



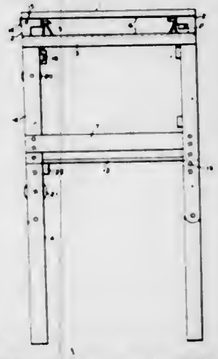
secured to the extreme rear end of said arm, a lateral offset in said arm intermediate said sleeve and the forward end thereof, tire rim engaging means on the forward end of said arm in substantial alignment with the axis of rotation of said arm, and means for raising and lowering the forward end of said arm.

2,546,850
MEANS FOR ENGRAVING SOUND TRACKS ON A SUPPORT AND REPRODUCING SOUNDS BY SCANNING SAID TRACKS
Gaston Chancenotte, Paris, France, assignor of seven-tenths to Jean Marie Achille Legrand, Paris, France
Application March 8, 1947, Serial No. 733,334
In France March 6, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 6, 1966
2 Claims. (Cl. 179—100.2)



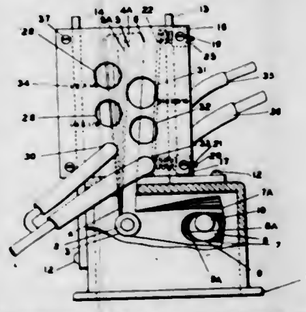
1. In an arrangement for reproducing sounds, an endless support of magnetic material having at least one endless plain band in the longitudinal direction of said endless support, at least one sound track engraved in the material of said support on another endless band of said support in the longitudinal direction of said support, means adapted to move said endless support along a constant path, a core of magnetic material terminating at one end opposite the path of said sound track and at the other end opposite the path of said plain band of said movable support, the end opposite the path of the sound track being formed of at least one thin lamina of ferro-nickel having high permeability and low degree of hysteresis, energizing means adapted to produce a magnetic field in said core, and an electric coil wound on said thin end of ferro-nickel and adapted to be traversed by a current, the intenstiy of which varies according to the sounds engraved on said sound track.

2,546,851
COMBINATION FURNITURE
Samuel L. Conrad, Columbus, Ohio
Application May 2, 1945, Serial No. 591,563
9 Claims. (Cl. 211—149)



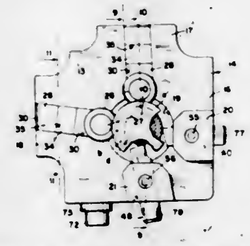
4. Combination furniture of the character described comprising, a table top, legs supporting said table top and detachably connected thereto, a shelf, means carried by said legs for supporting one end of said shelf in operative position, extension legs detachably connected to said legs for supporting the opposite end of said shelf in such operative position, side rails closely above said shelf, means connecting said rails and said table legs and maintaining said table legs in operative position, end blocks carried by the underside of said table top near its ends and extending downwardly therefrom, one of said end blocks being provided with a shelf receiving slot therethrough, said shelf in stored position beneath said table top, being supported at one end in said slot, means for securing said shelf in such stored position beneath said table top, channel racks secured to said end blocks and extending longitudinally beneath the edges of said table top and means by which said legs and leg extensions are adapted to be secured in said channel racks when said legs are in stored positions and means by which said side rails are adapted to be secured in said channel racks when said side rails are in stored positions.

2,546,852
PUMPING MEANS
Ernest Ruckle Cornell, Niagara Falls, N. Y.
Application January 27, 1947, Serial No. 724,666
4 Claims. (Cl. 103—148)



1. Pumping means comprising a frame having a pair of spaced walls, a shaft supported in the frame, a series of presser bars journalled on the shaft to provide a common pivotal axis therefor, each said bar having a tube-engaging arm extending upwardly between said walls and a laterally extending cam engaging arm, a second shaft journalled in the frame, a series of cams fixed to the second shaft, each cam engaging one of said cam-engaging arms, a plate having a tube-supporting surface mounted in the frame between said walls in opposed relation to said tube-engaging arms, said presser bars being sucessively oscillatable about the first shaft through a common arc in response to rotation of said cam shaft to swing said tube-engaging arms towards said tube-supporting surface, resilient means engaging the opposite surface of the plate and normally maintaining said tube-supporting surface in a plane parallel to the adjacent faces of said tube-engaging arms when at the limit of their approach to the plate, said walls having a pair of aligned tube-receiving and positioning openings therein located between said tube-engaging arms and said plate, and a flexible tube extending through said pair of openings between said presser bars and tube support plates.

2,546,853
BOX TOOL
Karl O. Fellroth, Minneapolis, Minn.
Application September 8, 1947, Serial No. 772,820
4 Claims. (Cl. 82—35)



1. In a box tool, a body member having a compartment and a work passageway in communication with the compartment, a frame in the compartment mounted for adjustment longitudinally of the projected axis of the passageway, two pairs of carriers mounted, the one pair on the face of the body member and the other pair on the frame for adjustments on substantially radial lines extending from said axis, a pair of posts on the face of the body member parallel to said axis, a row of laterally spaced individual tool bit seats in each post and the body member parallel to said axis, certain of the seats leading into the passageway and the others leading into the compartment, said rows of seats being diametrically opposite the pairs of carriers on the face of the body member and arranged to hold tool bits for adjustment substantially on radial lines extending from said axis, means for locking the frame where adjusted, and other means for locking tool bits in the seats.

2,546,854
COLOR CODED TERMINAL PLATE
Arnot P. Foster and James L. Countryman, Cincinnati, Ohio, assignors to The Vitroseal Corp., Covington, Ky., a corporation of Ohio
Application September 6, 1946, Serial No. 695,322
1 Claim. (Cl. 174—153)

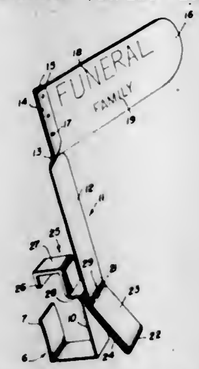
A color coded terminal plate comprising in combination with a metallic plate having open-

ings for terminal connector wires, a series of different colored vitreous sealing buttons within said openings, the colors of said buttons having been molded thereinto and homogeneously incorporated therein during the formation of said



buttons, a connector wire vitreously sealed within each button and each button vitreously sealed within an opening in the plate, the colors of said buttons conforming to a predetermined color code.

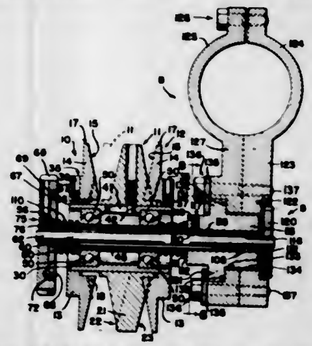
2,546,855
INDICATOR FLAG FOR FUNERAL CARS
Hector D. Frame, Belle, W. Va.
Application May 10, 1948, Serial No. 26,082
4 Claims. (Cl. 116—173)



1. An indicator flag for funeral cars comprising a flag staff, a substantially rigid flag fixed on the upper end of said staff and obliquely offset in respect to the vertical axis of said staff, the lower end of said staff being provided with a laterally offset finger-grip, an inverted U-shaped adapter clamp adapted to be anchored between an automobile body and complemental edge portion of a swingable door mounted on said body, said adapter clamp being disposed on a plane above the plane of said finger-grip and being connected with said staff solely through the medium of said finger-grip and being at right angles to and thus offset in a position opposite to the staff to permit the staff to be disposed perpendicularly to said body, and a holding unit occupying a position beneath said adapter clamp and located alongside of the finger-grip and adapted to be connected with the stated door.

2,546,856
VARIABLE-SPEED TRANSMISSION
Marion R. Frazier, Belleville, N. J.
Application September 27, 1949, Serial No. 118,052
10 Claims. (Cl. 74—230.17)

1. In a variable speed transmission, a longitudinally-reciprocable hollow shaft; a plurality of expansible pulleys mounted thereon, each comprising an outer portion and a section of an intermediate portion next adjacent to the outer portion, each outer portion having a belt-contacting face and the intermediate portion having two belt-contacting faces, one facing one of said first faces and the other facing the other of said first faces, whereby two pulley grooves are provided; means securing the outer sections to said shaft in spaced apart relationship with said faces thereof in facing relationship; means securing said intermediate portion to said shaft to slide longitudinally thereof; ball bearings, comprising races having inner and outer rings, for said shaft; a V-belt for each expansible pulley and with portions of said belts in said grooves; a pair of abutments normally spaced outwardly from the outer ends of said shaft a substantially equal distance; and means for yieldably resisting moving said shaft longitudinally upon wedging pressure of



one of said belts against a belt-contacting face of either of said outer portions, including a member inwardly of said shaft, mounting said bearings and slidable with said shaft, and a pair of expansion spiral springs with one like end of each bearing against the innermost rings of said bearings and the other like end of each bearing against said abutments, said innermost rings being mounted directly upon said member and said outermost rings being in peripheral contact with the inner periphery of said hollow shaft.

2,546,857
COVERING FABRIC FOR UMBRELLAS
William Grace, New York, N. Y.
Application December 17, 1949, Serial No. 133,649
3 Claims. (Cl. 139—383)

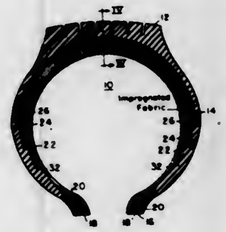


1. An umbrella covering woven fabric of cellulose acetate warp and filler threads and having selvedge edge portions of equal width along the opposite edges thereof and at least one intermediate longitudinally extending portion of double the width of a selvedge edge portion, the warp threads in said selvedge edge and intermediate portions consisting of nylon.

2,546,858
PNEUMATIC TIRE CASING
John W. Griffith, Pittsburgh, Pa.
Application October 20, 1948, Serial No. 55,530
7 Claims. (Cl. 152—198)

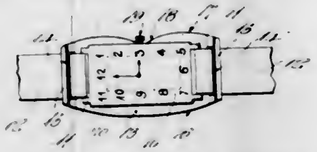
1. A pneumatic tire casing comprising, in combination, a rubber carcass having tread, sidewall and bead portions, a plurality of layers of wire disposed in the carcass in spaced relation to each other, each of the layers of wire comprising a

plurality of individual wires disposed adjacent to one another radially extending in substantially parallel planes with the opposite ends of each of the wires terminating in the opposite side walls of the carcass thereby forming a sheath



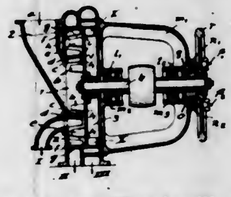
of metal extending about the carcass in embedded relation therein, and means securing the adjacent ends of said individual wires one to another for maintaining the wires in said substantially parallel planes within the carcass.

2,546,859
WRIST WATCH GUARD
Leroy E. Innes, Poplar Bluff, Mo.
Application February 25, 1946, Serial No. 650,031
2 Claims. (Cl. 224—4)



1. A guard for a wrist watch provided with a holding strap; said guard comprising a plate of non-magnetic, non-corrosive material bent to conform to the curvature of a person's wrist, each end of said plate having an elongated slot through which the strap extends whereby the plate is removably attached to the strap, and a yieldable, non-magnetic pad secured on the upper side of said plate and against which the watch is resting, said plate being longer and wider than the watch.

2,546,860
CENTRIFUGAL MILL
Josef Klagsbrunn, Geneva, Switzerland
Application February 25, 1948, Serial No. 10,593
In Yugoslavia September 5, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1959
6 Claims. (Cl. 241—74)



4. A high speed centrifugal mill, comprising a mill housing having an end wall with a central opening; a hopper mounted upon the end wall and leading to the central opening; an annular sieve grating fixed upon the wall and extending axially inward into the housing; a series of rebound members rigidly spaced apart upon the interior of the sieve grating and inclined with respect to the periphery of the latter, the housing having a discharge opening for ground material sifted through said sieve grating located externally of the latter; a driven rotor rotatably mounted in said housing and spaced a predetermined axial distance from the end wall of the latter and having a series of grinding tools mounted thereon which extend toward said end wall in effective position to rotate with said rotor past said rebound means during operation; a second annular sieve grating fixed upon said end wall in concentric relation to and spaced a distance exteriorly of the first annular sieve grating; a second series of rebound members rigidly spaced apart upon the interior of said second sieve grating and inclined to the periphery of the latter; a second series of grinding tools mounted on said rotor and extending toward said end wall intermediate the two annular sieve gratings, the transverse section of each grinding tool of both series forming an angular geometrical figure and longitudinally having a torsional pitch from end to end; passage means for leading off from the mill the ground and sifted material passing through the second annular sieve grating; and a portion in said housing of greater diameter than that of said second sieve grating for receiving the coarse grain material rejected from said second sieve grating externally of the periphery of said rotor.

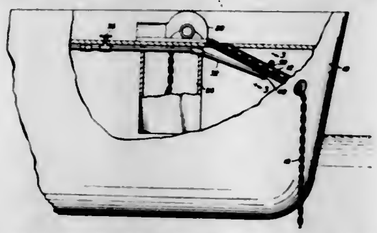
2,546,861
PROCESS FOR COLORING TEXTILE MATERIALS
Charles E. Maher, Chicago, Ill.
No Drawing. Application November 26, 1948, Serial No. 62,229
8 Claims. (Cl. 8—46)

1. A process for forming permanent and true black colors or pigments, possessing excellent wash fastness and light fastness, upon hydrophobic textile materials, which comprises forming a coupling bath containing phloroglucinol (1,3,5-trihydroxybenzene) as the coupling agent, dyeing the hydrophobic textile material with a selected diazotizable azo base black dyestuff present in the ratio of at least 3 mols of the black dyestuff per mol of phloroglucinol, working the thus dyed hydrophobic textile material in a diazotizing bath to form the diazonium salt of the selected diazotizable azo base black dyestuff, eliminating from the coupling bath prior to the coupling operation therein any free nitrous acid which may be present in the coupling bath, and then working the thus dyed and diazotized hydrophobic textile material in the said coupling bath to complete the coupling operation therein.

2,546,862
ANCHOR CHAIN WASHING DEVICE
Donald J. Marinch, Connellsville, Pa.
Application January 28, 1949, Serial No. 73,308
1 Claim. (Cl. 114—179)

In a boat having a deck water line and hawsepipes for receiving anchor chains; an anchor chain washing device comprising water conduits leading from the deck water line to each of the hawsepipes, means for controlling the flow of water in said conduits, each of said hawsepipes including a plurality of pipe sections extending radially from the outer wall thereof and communicative with the interior of the hawsepipe, said pipe sections having free ends, a hollow cir-

cular tube connected to each of said water conduits and embracing each of said hawsepipes, said tube including an outer wall and circumferentially spaced tapered jets extending radially



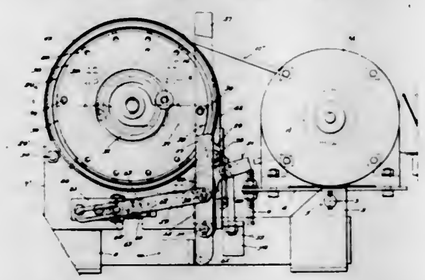
from said outer wall and received in said pipe sections, the free ends of said pipe sections abutting and supporting the outer wall of said tube about said jets.

2,546,863

GOVERNED LOWERING POWER WINCH

George E. Moore, Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich., a corporation of New Jersey

Application February 12, 1947, Serial No. 727,978
5 Claims. (Cl. 254—187)



1. In a power driven winch, the combination comprising a rotatable rope drum, a prime mover, a planetary gear drive for said drum, a clutch comprising a pair of cooperating members for connecting said prime mover with said drive, a brake for said drum, means including a spring for normally holding said brake in "on" position, means including a single lever for engaging said clutch members and then releasing said brake, said lever first reacting on said spring to engage said clutch, and later directly acting on said clutch to release said brake against the resistance of said spring, and a centrifugal brake driven by said gearing in a lowering direction to limit speed of rotation of said drum in a lowering direction.

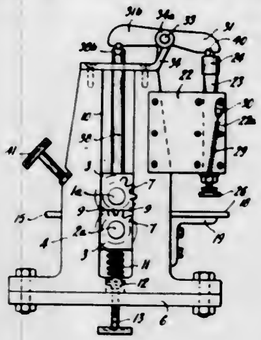
2,546,864

SKIVING DEVICE FOR USE IN HEEL ASSEMBLING

James Brackenridge Mudgway, Auckland, New Zealand

Application November 18, 1950, Serial No. 196,461
In New Zealand November 23, 1949
11 Claims. (Cl. 69—13)

1. Automatic heel building apparatus comprising a pair of rollers with drive means for rotating same, frame means with movable bearings therein for rotatably carrying such rollers, knife means mounted at one side of the pair of rollers, gauging platform and table means, spring means for yieldingly forcing one roller towards the other, a pair of plungers slidably movable towards and away from the gauging platform and table means and mounted in plunger bracket means, means



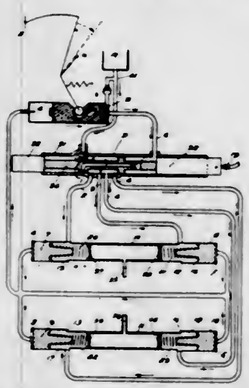
for yieldingly holding the plungers away from said gauging platform and table means and means between the other roller and the plungers whereby movements of opposite ends of such roller are imparted to the plungers.

2,546,865

GEAR SHIFTING DEVICE

Charles Nibaud, Neuilly-sur-Seine, France

Application December 28, 1948, Serial No. 67,655
In France January 14, 1948
14 Claims. (Cl. 74—334)



1. In a drive transmission including a clutch with a clutch control and change-speed gearing with a plurality of speeds therein and gear-control means for selectively rendering each of said speeds operative, in combination: a pressure-fluid supply, a drive pump with two pump chambers and a double-acting piston therein, means whereby said clutch control upon actuation thereof drives said piston in a first direction on the forward stroke of said clutch control and in the other direction on the return stroke thereof, servo-motor cylinders with pistons therein operating said gear-control means, hydraulic connections from the first one of said drive pump chambers to the opposite ends of each of said servo-motor cylinders thus causing said servo-motor pistons to be returned to neutral position on the forward stroke of said clutch control, a

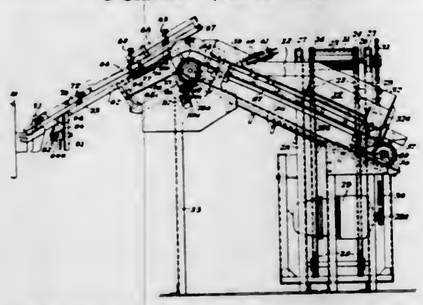
pre-settable distributor unit, hydraulic connections from said supply and from said second drive pump chamber to said distributor unit, and separate connections from said distributor unit to each side of each of said servo-motor pistons and settable valve means in said distributor unit providing communication, according to the selected setting thereof, from said second drive pump chamber to only that one of said separate connections which leads to a requisite side of a requisite servo-motor cylinder, whereby hydraulic fluid expelled from said second drive pump chamber on the return stroke of said clutch control will be operative to move the selected servo-motor pump and the related gear-control means operated thereby to the selected speed setting.

2,546,866

APPARATUS FOR ARRANGING AND DELIVERING BOLTS OR THE LIKE

Charles D. Overly, Pittsburgh, Pa., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1945, Serial No. 634,848
3 Claims. (Cl. 10—165)



1. Apparatus for feeding bolts or the like comprising a magazine including sloping guide rails down which the bolts slide, a conveyor delivering bolts in order to the magazine, a motor driving said conveyor, a switch for controlling the operation of said motor, said switch being opened by means actuated by an accumulation of bolts adjacent the upper end of the magazine, said switch being closed when the bolts pass through the upper end portion of the magazine, a second switch for controlling the operation of said motor, said second switch being opened by means actuated by the presence of bolts adjacent the lower end of the magazine, said second switch being closed when no bolts are in the guide rails in the lower portion of the magazine, and an electrical circuit including said switches connected in series with each other and said motor whereby an accumulation of bolts adjacent the upper end of the magazine opens the first switch and stops the motor, and whereby the removal of bolts from the magazine closes both said switches and starts the motor.

2,546,867

METHOD AND APPARATUS FOR DRYING GELATINOUS MATERIAL

Henry E. Peck, Fairport, N. Y., assignor to McBean Research Corporation, Rochester, N. Y., a corporation of New York

Application March 16, 1949, Serial No. 81,781
13 Claims. (Cl. 18—4)

5. The method of producing gelatinous material which comprises cooling a solution of the material to the jelling point of the solution in a completely enclosed chamber from which air is excluded while agitating the solution to prevent it from jelling, forcing the sub-cooled solution into an enlarged chamber from which air is also excluded, allowing the solution to jell in said enlarged chamber, then extruding the jell from the chamber in ribbons, collecting the extruded material and passing heated air depthwise through the material to dry the material.



8. The method of drying gelatinous material which comprises cooling a solution of the material to the jelling point of the solution while agitating the solution to prevent it from jelling, forcing the sub-cooled solution into an enlarged chamber to permit it to jell, extruding the jelled material in ribbons, collecting the extruded material on a traveling foraminous conveyer, passing heated air repeatedly through the material depthwise of the material as it moves along with the conveyer, and raising the temperature of the air after each passage through the material prior to the next passage of the air through the material, the air being passed down through the material at least on its first passage through the material and the air being passed up through the material at least on its last passage through the material.

2,546,868

PROCESS OF MAKING CLOSED CELL CELLULAR SOFT RUBBER SHEET BY SINGLE VULCANIZATION AND EXTERNAL GASSING

Hans Pfleumer, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 14, 1947, Serial No. 779,836
4 Claims. (Cl. 18—53)

1. The process of preparing a soft closed cell cellular sheet comprising the steps of pre-curing a soft rubber mix to final vulcanized condition, subjecting the vulcanized rubber to gas under pressure to impregnate the rubber with gas, and relaxing the pressure to permit the gassed rubber to expand.

2,546,869

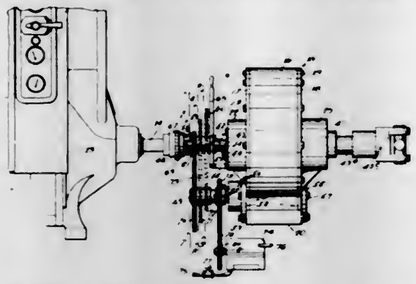
VARIABLE-SPEED REDUCTION UNIT

Daniel F. Przybylski, Winona, Minn.

Application October 13, 1948, Serial No. 54,291
3 Claims. (Cl. 74—689)

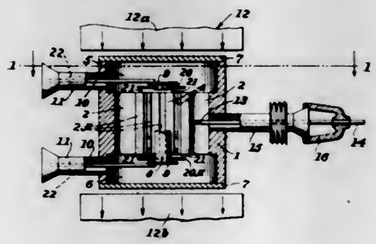
1. In a variable speed unit, a housing having side members, at least one of which is displaceable, said side members having bosses provided with internal bearings, a ring gear having internal and external teeth in the housing and provided with side plates, at least one of which is displaceable, said side plates having hubs journaled in the internal bearings of the bosses, a carrier within the ring gear and journaled on a hub on one of said hubs and provided with a sleeve bearing journaled in the other hub, idler gears journaled in the carrier and meshing with the internal teeth of the ring gear, an input shaft journaled in the hub opposite the sleeve bearing,

a pinion on the input shaft and meshing with the idler gears, an output shaft secured in the sleeve bearing, an auxiliary shaft journaled in



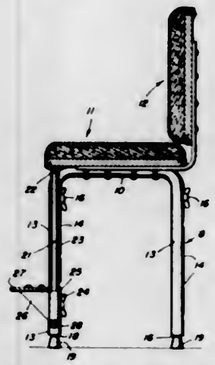
the housing side members and having an auxiliary pinion meshing with the external teeth of the ring gear, and means for driving the auxiliary shaft.

2,546,870
HIGH-FREQUENCY ELECTRICAL OSCILLATOR
James Sayers, Birmingham, England, assignor to English Electric Valve Company Limited, Chelmsford, England, a company of Great Britain
Application February 9, 1945, Serial No. 577,067
In Great Britain October 3, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1961
6 Claims. (Cl. 315—40)



1. A high-frequency magnetron device comprising a cathode, a plurality of resonators in juxtaposition thereto, all conductively interconnected, and electrically coupled when in operation, and constituting a system which is capable of oscillating in a plurality of different modes at the frequencies appertaining thereto, said resonator system having surfaces adjacent to which an alternating electric field exists during operation, comprising portions separated by gaps, certain of said separated surface portions constituting one group oscillating in phase with each other but out of phase with other of said surface portions constituting a second group which oscillate in phase with each other during operation of said system in one of said modes, and each of said surface portions being of a width less than one-quarter the free space wave length of oscillation of said one specified mode, electric connections between members of said first group and electric connections between members of said second group, the length of each of said connections between adjacent connection points being less than one-half the free space wave length of oscillation of said mode, said connections being additional to and exclusive of the above-mentioned interconnections between all of said resonators.

2,546,871
CHAIR HAVING VERTICALLY ADJUSTABLE FOOTREST
Laura Walker Schley, Miami, Fla.
Application April 22, 1948, Serial No. 22,691
1 Claim. (Cl. 155—172)



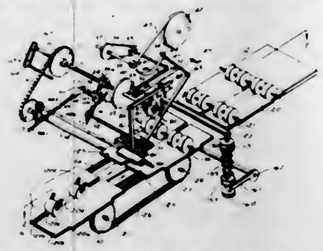
A chair of the class described comprising a horizontal bottom having a vertical back rest, a pair of duplicate spaced parallel vertically disposed U-shaped leg frames having their bight portions attached to the underside of said bottom, said leg frames providing front and rear legs, a third U-shaped frame, smaller than the first-named U-shaped frames, said third frame having its bight portion attached to the underside of the forward edge portion of said bottom and its limb portions depending in spaced parallelism between the respective front legs of the first-named leg frames, a horizontal cross brace connected to the lower ends of the limbs of said third U-shaped frame, said cross brace being connected at its opposite ends to the lower portions of said front legs, and a foot rest slidably mounted on the vertical limbs of said third U-shaped frame.

2,546,872
HYDROXY-COMPOUNDS OF THE BENZOXANTHENE SERIES AND PROCESS OF MAKING SAME
Max Schmid, Riehen, and Hans Johner, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application September 24, 1948, Serial No. 51,106. In Switzerland October 10, 1947
8 Claims. (Cl. 260—335)

8. Process for the manufacture of 4-methoxy-7-hydroxy-1:9-benzoxanthene which comprises heating 2 - methoxy - 1 - chloro - 8 - (2':5'-dihydroxy)-1'-phenyl-naphthalene with sodium hydroxide.

2,546,873
CARTON TAPING MACHINE WITH STEAM MOISTENER FOR THE TAPE
Albert F. Shields, Forest Hills, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 9, 1947, Serial No. 790,683
5 Claims. (Cl. 216—30)

1. In a taping machine for applying tape to the seam of a folded box blank; a tape supply carrying tape with an adhesive composition adapted to become adherent on the application of moisture thereto; means for feeding tape from said tape supply and applying the same to the box blank; means for cutting said tape after a desired length has been fed; and means for moistening said tape; said tape moistening means



comprising a conduit, a steam supply for said conduit; an exit for the steam from said conduit; said steam exit from said conduit being located between said cutting means and the point of application of the tape to the box blank; said tape passing over said steam exit between said knife and the point of application of the tape to said box blank.

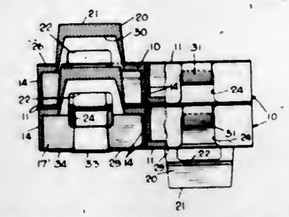
2,546,874
LINING FOR COFFEE-MAKING INSTRUMENTALITIES
Nelson J. Siegrist, Neosho, Mo.
Application June 18, 1947, Serial No. 755,528
2 Claims. (Cl. 210—162)



1. In coffee-making instrumentalities, wherein the instrumentality includes a cup-shaped member of circular contour having an open top and perforated bottom, a lining formation for lining such cup, said formation being shaped to nest within the cup with the formation overlying the internal walls of the cup, said lining formation being of ply characteristic with the outer ply formed of woven fabric having the warp and weft threads of relatively thin yarns and arranged loosely woven to thereby present the ply as having a multiplicity of openings of material dimensions and spaced by such threads, the formation having an inner ply formed of a layer of unwoven fibrous material mounted upon the outer ply to thereby form an inner layer of unwoven fibrous material presenting fine interstices dimensioned to prevent passage therethrough of the coffee grounds while permitting the passage therethrough of the brewed coffee, said formation being produced from a blank of the two-ply material with the blank shaped into the cup form and with the annular wall presenting overlying crimps, both plies of the formation being presented within each crimp.

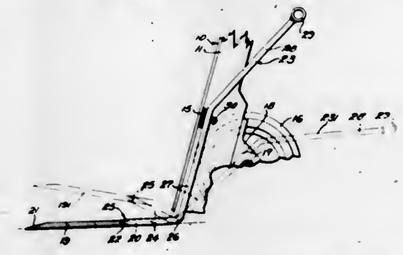
2,546,875
PACKAGE OF TRAYS
Nathan L. Solomon, Englewood, N. J.
Application October 6, 1949, Serial No. 119,826
13 Claims. (Cl. 206—65)

1. An article of manufacture of the character described comprising a card having apertured end portions, a tray-like member disposed upon one apertured end portion, said member having a central partition portion dividing the tray into independent compartments, the partition portion having an aperture opening through the lower surface of the tray and registering with the aper-



ture in the end portion of said card, and means extending over each compartment of the tray and secured to said card for supporting articles in the tray compartments against displacement.

2,546,876
HAND TRUCK, INCLUDING TILTING MEANS THEREFOR
Jesse H. Sutherland, South Gate, Calif.
Application May 26, 1947, Serial No. 750,438
3 Claims. (Cl. 280—56)



1. In a two wheel hand truck of the character described having a normally upstanding frame, an attached wheel carrying axle at the lower rear of the frame, and a toe piece projecting forwardly from and extending transversely of the bottom of the frame; the improvement comprising a rigid foot operated lever, and means pivotally connecting a front portion of said lever to the toe piece intermediate its ends and at a location forwardly of the plane of said frame, said lever extending rearwardly from its point of connection to the toe piece in the plane thereof when the toe piece rests on the truck-supporting surface and thence upwardly between the axle and the plane of the load carrying face of the truck, said upwardly extending portion of the lever terminating above the axle, said lever having fulcrum engagement with the ground at a location spaced rearwardly of said toe piece and being operable by downward foot pressure on its upwardly extending portion first to move downwardly relative to said axle to tilt the frame and toe piece rearwardly and then to engage the axle which then becomes a secondary fulcrum for the lever.

2,546,877
SYNCHRONOUS, SELF-EXCITED, SELF-REGULATED ELECTRICAL MACHINE
Ignacio Goytisolo Taltavull, Barcelona, Spain
Application July 12, 1948, Serial No. 38,337
In Spain April 10, 1948
12 Claims. (Cl. 322—59)

1. A synchronous electrical machine self-excited and self-regulated, comprising a field mag-

net, an armature and rectifying means, in combination with a Gramme ring formed by two ring-shaped magnetic cores separated from each other by an air gap and both being encircled by one single winding, the said Gramme ring being placed in an end of the machine between said



magnet and said armature and subjected to the influence of their magnetic fields, and means for carrying the compounding current developed in said Gramme ring after being rectified by said rectifying means, as an excitation current, to the winding of said field magnet whereby a self regulating effect of the electrical machine is obtained.

2,546,878

PICTURE BOOK

Frederick Townley, Acton, England, assignor to Folding Books Limited, London, England, a limited liability joint-stock company of Great Britain

Application October 25, 1947, Serial No. 782,132
In Great Britain May 13, 1947
8 Claims. (Cl. 46—34)

1. A picture book including a folding background sheet having a single intermediate fold with the two resulting portions thereof capable of being brought together in substantially coextensive relation; and a plurality of folding cut-out sheets secured in superposition at both ends thereof exclusively to the outer free end edges of the background sheet, said folding cut-out sheets being of progressively decreasing side to side length, so that when the background sheet is fully opened, said folding cut-out sheets assume a series of positions in which they are spaced successively greater distances from, and in front of, said background sheet.

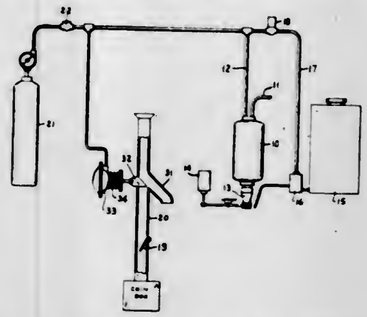
2,546,879

BEVERAGE DISPENSER HAVING A COIN REJECT MECHANISM CONTROLLED BY CARBON DIOXIDE PRESSURE

Evert S. Wegman, East Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 13, 1945, Serial No. 610,510
2 Claims. (Cl. 194—3)

1. In coin-controlled apparatus for dispensing a beverage under carbon dioxide pressure, the combination of a container for beverage to be dispensed, a container for carbon dioxide under pressure, means for regulating the pressure applied to said beverage container from said carbon dioxide container, a chute in which coins are accepted for causing the dispensing of beverage from the container, a deflector for controlling



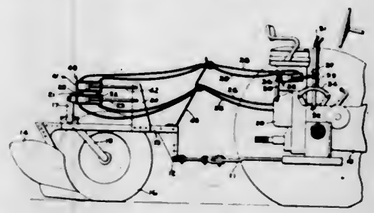
passage of a coin into said chute, and means responsive to the carbon dioxide pressure between said pressure-regulating means and said beverage container for controlling said coin deflector.

2,546,880

FLUID-PRESSURE FOLLOW-UP CONTROL SYSTEM

Herman E. Altgelt, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application April 10, 1948, Serial No. 20,272
6 Claims. (Cl. 121—41)



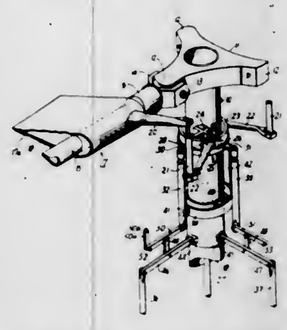
6. In a system of the class described including parts relatively movable in opposite directions from one static position to other static positions and operating means for rendering said parts static or relatively movable including a control element movable in either direction from an inactive position to active positions and return for controlling the operating means, the improvement residing in mechanism for moving the control element from its inactive position to an active position and for automatically returning said element to inactive position after predetermined relative movement of said parts, comprising: a control member selectively settable in different positions; operating means between the control member and control element operative to condition the two for movement together in either direction when the aforesaid parts are in a static condition, and operative to condition the control element for return movement from either direction to inactive position relative to the control member; and means including a two-way fluid-pressure device connected to one of the aforesaid parts and to the control element and operative in response to relative movement of said parts in one direction or the other to return the control element to inactive position from one direction or the other relative to the control member.

2,546,881

CONTROL SYSTEM FOR ROTATING WING AIRCRAFT

Harold T. Avery, Oakland, Calif.

Application November 26, 1945, Serial No. 630,745
3 Claims. (Cl. 170—160.25)



1. In rotary wing aircraft having a sustaining rotor comprising a plurality of blades, means for altering the pitch of the blades comprising a pitch control ring vertically displaceable to alter the aggregate pitch of all blades and tiltable to introduce cyclic changes of pitch, and a normally vertical hollow tube connected to the rotor for driving same; the combination therewith of an aggregate pitch control member vertically displaceable within said tube and universally connected centrally of said ring to arms integral with the ring extending outwardly through slots in said tube, a second vertically movable member outside said tube, means connecting said member to said aggregate pitch control member so that said two members are constrained to move vertically in unison, two cyclic pitch control members, two levers each jointly positioned by said second vertically movable member and by a respective one of said two cyclic pitch control members, and two pitch control links each connecting a respective one of said levers to said ring to control the tilting thereof.

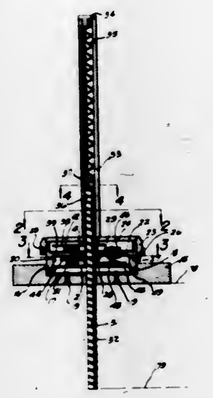
2,546,882

DEPTH GAUGE

Joseph Bauer and Anthony Schittelbauer, Detroit, Mich.

Application August 28, 1947, Serial No. 771,082
6 Claims. (Cl. 33—172)

6. A gauge of the class described, comprising: a contact piece; a housing mounted on said contact piece; indicating mechanism mounted in said housing; a transparent closure for said housing; a retaining ring for said closure, said retaining ring being rotatable concentrically around said housing; means for securing said ring in fixed relation to said housing; a sleeve in said housing; a contact stem slidably projecting through said contact piece, said housing, said sleeve and said closure and having a spiral groove on its periphery; a gear fixed on the periphery of said sleeve for actuating said indicating mechanism upon rotation of said sleeve; a pin mounted on said sleeve and engaging in said groove for effecting a rotation of said sleeve upon slidable movement of said contact stem therethrough; a guide tube carried by and projecting upwardly from said closure, one end of said contact stem projecting into said guide tube; means for preventing relative rotation of said guide tube and said stem; and resilient means in said guide tube and engaging at one end with the end of said contact stem



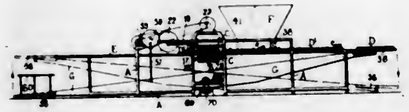
for resisting slidable movement of said contact stem into said guide tube in one direction.

2,546,883

MACHINE FOR MOLDING CONCRETE BLOCKS

Percival Brindle, Kirkby Stephen, England

Application December 16, 1949, Serial No. 133,286
In Great Britain December 31, 1948
7 Claims. (Cl. 25—21)



1. A machine for the manufacture of concrete slates, blocks and the like comprising a feed hopper, trays to receive the concrete from the hopper, a horizontally reciprocating frame, a cradle carried by the frame, a series of pressure rollers mounted in vertical pairs and supported by the cradle to reciprocate over and under the trays and means for traversing the trays intermittently and horizontally between the pairs of rollers.

2,546,884

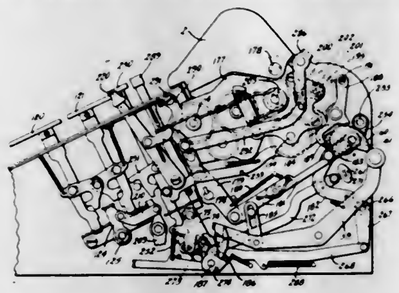
FUNCTION CONTROL MECHANISM

Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application July 13, 1945, Serial No. 604,851
6 Claims. (Cl. 235—79)

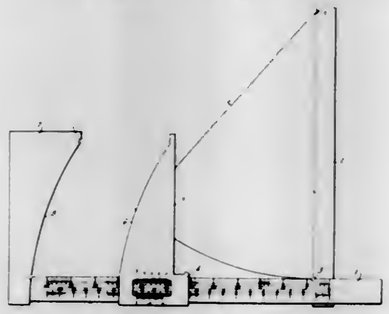
1. In a motor driven calculating machine having a shiftable carriage and a register mounted thereon; cyclic universal drive means, means operable to stop said drive means in full cycle position, a pivotally mounted frame, differential actuators mounted upon said frame, movable thereby into driving connection with the register and operable by said drive means, carriage shifting means including driven elements and

driving elements operable by said drive means and engageable with the driven elements under



control of said frame, and means operable to adjust and hold said frame in adjusted position.

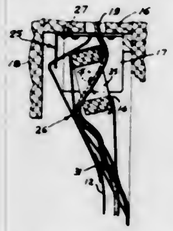
2,546,885
DEVICE FOR MEASURING, OR TRACING AND DIVIDING ANGLES
Günther Burckhardt, Chos-Malal, Argentina
Application August 25, 1947, Serial No. 770,462
3 Claims. (Cl. 33—1)



1. A device for measuring or tracing and dividing angles as well as rectifying the arc of curves comprising a graduated rule, a runner slidable on the rule, a second rule fixed at right angles to and at one end of the first rule and of predetermined length, a plate fixed to the opposite end of the first rule and having a straight outer edge including a right angle therewith and a curved inner concave edge forming a cycloid traced by the end point of a curve, a plate affixed to the runner and having an outer concave edge forming a cycloid parallel to the first cycloid.

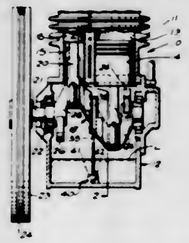
2,546,886
VENETIAN BLIND MECHANISM
Rudolph Cusumano, San Gabriel, Calif., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application April 22, 1949, Serial No. 89,024
8 Claims. (Cl. 160—167)

1. In a Venetian blind for a window, the blind having a head bar, a tilt bar pivotally mounted beneath the head bar, a pair of ladder tapes spaced along the tilt bar and depending therefrom, and an array of slats supported by the ladder tapes; blind-displacing means operative to automatically displace the plane of the blind toward the plane of the window when the tilt bar is tilted to till the slats of the blind, said blind-displacing means comprising: supports attached to the head bar in association with the ladder tapes, and rockers pivoted to the supports on axes which are parallel to the axis of the tilt bar and which are positioned forwardly and upwardly of the axis of the tilt bar, each rocker



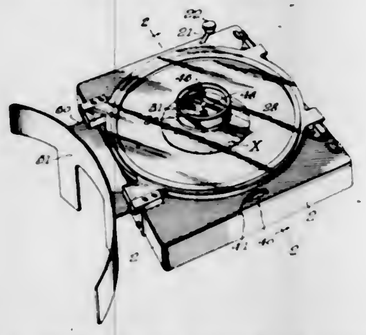
having an arm extending over the tilt bar to receive rocking movement therefrom when the tilt bar is tilted and having a depending arm to engage the associated ladder tape and displace it toward the window in response to the rocking movement imparted to the rocker by the tilt bar.

2,546,887
LUBRICATING SYSTEM
William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application January 19, 1946, Serial No. 642,250
5 Claims. (Cl. 184—11)



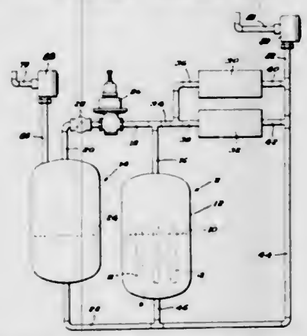
1. In a piston and cylinder device, a crank case and a cylinder block mounted in operative association, said cylinder block having at least one cylinder formed therein, a crank shaft mounted in said crank case, a piston mounted in said cylinder, means including a piston rod operatively connecting said piston and said crank shaft in power transmitting relationship, a pulley-like oil receiving groove formed on said crank shaft concentric to the rotative axis thereof, a transmitting ring riding in said groove and depending therefrom toward the bottom of the crank case, a sheet metal member mounted on said crank shaft with one edge overlying the adjacent edge of the said groove and in radially spaced relation to such groove, the other edge of said plate being secured to outer faces of said crank shaft to form a collecting chamber, means affording oil passages from said chamber to the associated bearing surfaces of said crank shaft and said piston rods, and means in the lower portion of said crank case for guiding the lower portion of said ring, said guiding means comprising an upstanding lug having a head extended laterally and through said ring, and a pair of positioning lugs disposed on the opposite side of said ring and operable to maintain said ring in position beneath the head of said first mentioned lug.

2,546,888
PATH CHARTING APPARATUS
Richard J. Duffin, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application February 27, 1946, Serial No. 650,685
4 Claims. (Cl. 33—1)



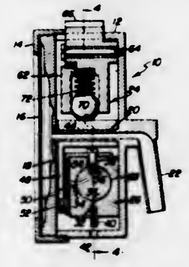
1. An apparatus for plotting the course and distance traveled by a transporting means carrying the said apparatus, said apparatus comprising a housing having a central upper opening therein, a cover plate mounted upon said housing over said opening and spaced sufficiently from said housing to receive a mapping blank therebetween, means for attaching the housing to said transporting means, an inking wheel supported by said cover plate, a feed wheel supported by said housing at said opening, said feed wheel and said inking wheel being adapted to receive therebetween an intermediately disposed mapping blank, means in connection with said transporting means for imparting rotation to said feed wheel at a rate which is proportional to the rate at which said transporting means is traveling, a liquid filled compass mounted upon said cover plate, and manually-operable means for orienting said mapping blank in accordance with indications of said compass.

2,546,889
IMMERSED-ELECTRODE STEAM GENERATING SYSTEM
Samuel E. Eaton, Lexington, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application August 7, 1947, Serial No. 767,028
1 Claim. (Cl. 219—40)



An electric steam generating system designed to maintain a high level temperature at a steam-consuming unit at substantially constant steam pressure, including a steam generator comprising a casing providing a water space and a steam space, a plurality of electrodes within said casing and immersed in water in said water space, a surge tank having a head space and a water space, first conduit connecting the head space of the surge tank with the steam space of the generator and a second conduit connecting the water space, a first conduit connecting the head space of the generator, a pressure regulating valve in said first conduit, a platen molding press connected to the steam space of said generator to receive steam therefrom, a condensate return line leading from said press to the water space of said generator, a thermostatic trap connected to said return above said press and a second thermostatic trap connected to the head space of said surge tank and located above said tank, said trap serving to purge steam in said system of non-condensable gases.

2,546,890
TIMING DEVICE FOR STETHOSCOPES
Irvin A. Falk, San Francisco, Calif.
Application March 13, 1950, Serial No. 149,426
3 Claims. (Cl. 181—24)

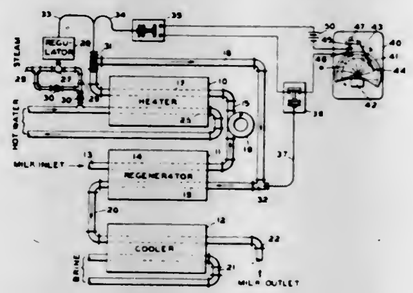


3. In a stethoscope, the combination of a sound receiver including a housing and a diaphragm therein, a cylinder mounted in said housing and having closed end walls, a piston slidable in the cylinder from one end wall to the other, said cylinder having a by-pass extending between its opposite ends whereby fluid at one side of said piston may be transferred at a predetermined rate to the other side when the piston is in motion, and means for sliding said piston, said piston and said cylinder being provided with registerable vent passages whereby fluid in the cylinder under pressure of said piston may be released at a predetermined point to permit the piston to impact an end wall of the cylinder and issue an audible signal.

2,546,891
APPARATUS FOR TIMING THE PASSAGE OF A LIQUID
Frederick A. Faust, Woodbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 30, 1945, Serial No. 613,569
3 Claims. (Cl. 161—18)

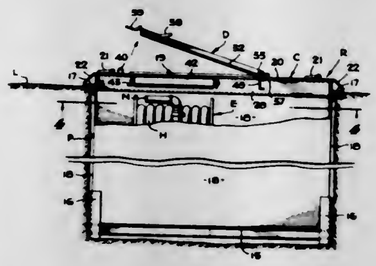
1. Apparatus for measuring the time required for a charge to flow from one location to another in a conduit, comprising temperature-responsive means adapted to be positioned at the first location, other temperature-responsive means adapted to be positioned at the second location, record-

ing means comprising a pen and a chart movable relatively to each other, means controlled by one of said temperature-responsive means for continuously operating said pen to record upon said chart, electrical means for actuating said chart, means controlled by the first temperature-responsive means in response to a change



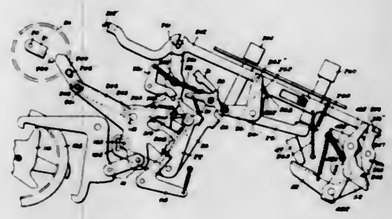
in temperature of said charge at said first location for energizing said electrical means to effect movement of said chart, and means controlled by the second temperature responsive means in response to a change in temperature at said second location for deenergizing said electrical means to stop movement of said chart.

2,546,892
RECEPTACLE AND CLOSURE THEREFOR FOR AIRCRAFT REFUELING APPARATUS
Gerald J. Harman, Los Angeles, Calif.
Application November 29, 1946, Serial No. 713,132
2 Claims. (Cl. 220—18)



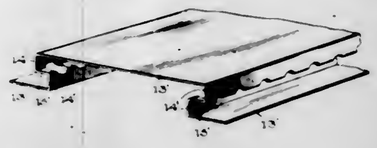
1. In an apparatus for refueling aircraft: a receptacle adapted to be positioned in a pit of a landing field; and a closure for said receptacle including a cover, a door in said cover, and means for detachably securing said cover to said receptacle, said means including fastening elements on the inner side of said cover and said reception, accessible through said door for immovably securing one edge of said cover on said receptacle, and latching members on the inner sides of said cover and said receptacle for latching the opposite edge of said cover to said receptacle, those members on said cover disengageable with those on said receptacle by movement of the cover, only when said elements are disengaged from said cover and said receptacle.

2,546,893
OPERATION CONTROL AND TERMINATING MECHANISM
Stuart Hilder, Arlington, Va., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application August 6, 1947, Serial No. 766,724
13 Claims. (Cl. 235—62)



1. In a calculating machine having a denominationally shiftable carriage, totalizer wheels thereon, differential actuators for said totalizer wheels, and carriage shifting means; the combination with means settable to effect alternate operation of said differential actuators and of said carriage shifting means, including a power train, means for operating said train upon the completion of totalizer wheel actuation in each shifted carriage position, and an operation initiating and controlling key; of means operable to restore the operation key to inactive position including a restoring element normally spring located in operative position interposed in said power train and displaceable against its spring bias to inactive position, a releasable operating connection between the key and said restoring element designed to displace and hold said element inactive against its spring bias upon manual operation of the key, and means comprising a second manipulable key to release the operating connection from restraining engagement with and permit the return of the spring located restoring element of the power train by its spring.

2,546,894
METAL AWNING
Augustus E. Hodo, Augusta, Ga.
Application April 5, 1948, Serial No. 19,089
2 Claims. (Cl. 20—57.5)

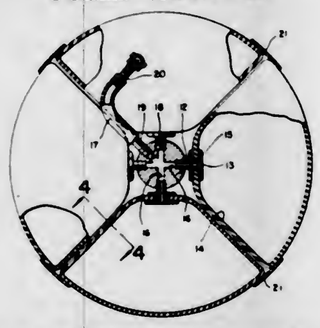


1. An element for use in awnings comprising a metal member having spaced relatively wide parallel portions, adjacent wide portions being in different planes, and portions connecting the opposite edges of each of said wide portions with the next adjacent wide portions, each of said connecting portions being bent and substantially S-shaped with spaced flanges angularly disposed to said wide portions and a web connecting said flanges, said wide portions being disposed in successively stepped relation to each other, said web having a plurality of ventilating openings therein.

2,546,895
AERIAL DISINFECTANTS AND METHOD OF USING THE SAME
Charles I. Jarowski, Flushing, N. Y., assignor to Vick Chemical Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 16, 1948, Serial No. 21,565
8 Claims. (Cl. 167—25)

1. A composition suitable for use in purifying air when vaporized therein, said composition comprising aromatic essential oil having dissolved therein a compound of the generic formula $R—(CH_2)_n—COOH$ in which R is the cyclohexyl radical and n is an integer from 1 to 9, said composition being vaporizable with steam and when vaporized in air being characterized by its ability to kill bacteria when the relative humidity of the air is maintained below about 75%.

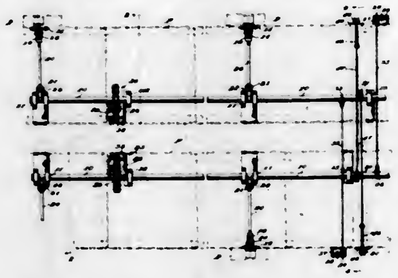
2,546,896
BALL
Paul Kassuba, Detroit, Mich.
Application September 11, 1946, Serial No. 696,285
1 Claim. (Cl. 273—58)



A ball of the class described comprising a central core, a plurality of flexible, hollow, inflatable body forming sections, each of said sections being secured at one end to said core and projecting outwardly therefrom, each of said sections tapering outwardly from said core to a larger dimension and having a curvilinear outer face, adjacent sections abutting at their outer ends, means for securing the outer ends in fixed relation, said core having a plurality of passages formed therein, each of said sections communicating with one of said passages, and means for delivering air under pressure to said passages for inflating said sections.

2,546,897
LATCH OPERATING MECHANISM FOR DUMP CARS AND THE LIKE
Einar O. Lunde, Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y., a corporation of Delaware
Application January 9, 1947, Serial No. 721,121
7 Claims. (Cl. 105—308)

1. In a latch operating mechanism for a railway dump car having a door hinged at its upper end for outward swinging of its lower end, and a latch engageable with the lower end for normally retaining the door closed, a shaft extending lengthwise of the car and rotatably supported beneath the floor thereof, operative connections between the shaft and latch for closing the latch upon rotation of the shaft in one direction and releasing the latch upon rotation of the shaft in the opposite direction, yieldable means normally urging the shaft in said one direction, power operable means connected with the shaft for rotation thereof in said opposite direction against the action of said yieldable means; the improvement comprising a hand operable bar

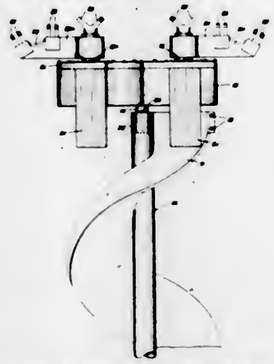


pivotally supported by a side of the car, and operable connections between the bar and said shaft for rotation thereof in said opposite direction for releasing the latch, said operable connections including a flexible member permitting rotation of the shaft by the power operable means in said opposite direction.

2,546,898
DEODORIZING METHOD
Walter Vande Mark, Plymouth, Mich.
No Drawing. Application November 5, 1947, Serial No. 784,305
3 Claims. (Cl. 167—22)

1. The method of deodorizing an odoriferous material which comprises treating said material with an aqueous solution of sulphonated castor oil.

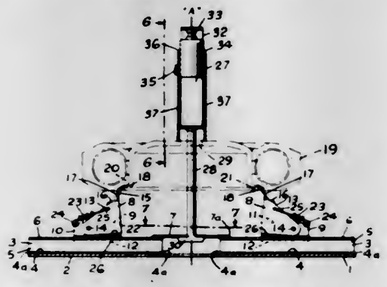
2,546,899
COAL BORING HEAD
Vincent J. McCarthy, Youngstown, Ohio, assignor to The Salem Tool Company, Salem, Ohio, a corporation of Ohio
Application November 23, 1948, Serial No. 61,603
4 Claims. (Cl. 262—19)



1. In combination with an auger having a spiral vane thereon, cutting means on the periphery of the vane at the forward end of the auger, a boring head comprising a laterally elongated housing, a centrally located driving shaft journalled in the housing, means for operatively connecting said driving shaft axially to the auger, a driving pinion fixed upon the driving

shaft, a driven shaft journalled in the housing on each side of the driving shaft, driven pinions mounted upon said driven shafts and operatively connected to the driving pinion, a cutting arm fixed upon each driven shaft and cutting means upon the forward sides of said cutting arms, whereby the cutting arms will produce circular cuts overlapping the cut produced by the auger so as to form a substantially elliptical cut.

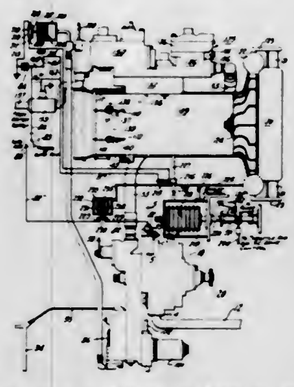
2,546,900
TIRE RIM REMOVER WITH CIRCUMFERENTIALLY DISTRIBUTED THRUST
Fred J. Miller and Merle J. Graham, Dickinson, N. Dak.
Application June 27, 1947, Serial No. 757,362
4 Claims. (Cl. 157—1.2)



1. In a tire tool, the combination of, a horizontal base, a plurality of tracks on said base radially arranged about a vertical axis of said tool, each of said tracks having a radially adjustable spanner, each of said spanners comprising a frame interlocking with and freely slidable relative to a related track, brace means carried by each frame, finger means upstanding from said brace means and extending beyond said brace means toward said vertical axis, said brace means having a leg underlying said finger means and disposed substantially parallel to said axis, said leg having a lower face adapted to engage a confronting face of said frame, and said brace means being pivotally mounted on said frame outwardly of said leg, spring means joining each brace means and associated frame for drawing said finger means away from said axis and said lower face out of engagement with said confronting face, said finger means being arranged to underlie a tire beading and overlie a tire rim flange, and means anchorable to said base for applying pressure to a tire rim for urging the lower face of said legs of said braces downwardly solid against said base and forcing said rim flange away from said finger means and tire beading.

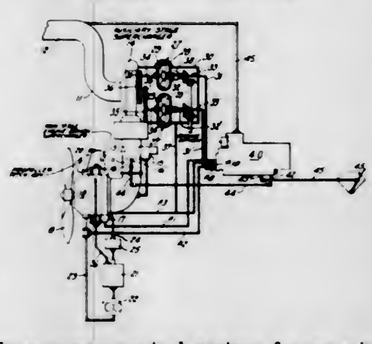
2,546,901
CARBURETION SYSTEM
Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 30, 1947, Serial No. 745,003
12 Claims. (Cl. 123—25)

1. In combination with an engine having an intake manifold and a device for supplying a primary fuel to the engine, an auxiliary charge injection system for suppling an auxiliary charging fluid to the engine having metering means rendered operative at predetermined manifold pressures, said primary fuel device having primary and secondary metering orifices arranged in parallel, a flow passage for unmetered fuel provided with a port which when open permits fuel to flow to both primary and secondary orifices but which when closed permits fuel to flow to



only the primary orifice or orifices, a derichment valve controlling flow of fuel through said port, and means for operating said derichment valve in timed relation with said auxiliary fluid metering means.

2,546,902
CONTROL FOR INTERNAL-COMBUSTION ENGINES
Frank C. Mock, South Bend, and Edwin G. Keller, Michigan City, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 26, 1947, Serial No. 776,296
17 Claims. (Cl. 123—103)

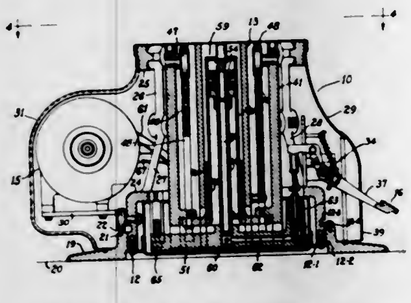


1. In a power control system for an aircraft engine provided with a supercharger and a throttle controlled air intake conduit terminating in an intake manifold, a fluid coupling for transmitting an infinitely variable drive from the engine to the supercharger, a hydraulic valve adjustable to regulate the flow of hydraulic fluid to said coupling, a power control member such as a pilot's quadrant for preselecting manifold pressure, and means operatively connecting said an aneroid responsive to changes in manifold pressure arranged to automatically adjust the member to said throttle and said valve including position of the throttle and another aneroid responsive to changes in density of the air flowing to the engine for automatically adjusting said valve, said second named aneroid being unaffected by changes in the pressure regulated by the control.

2,546,903
PROCESS OF PRODUCING ACTIVATED CARBON
Jacque C. Morrell, Oak Park, Ill., assignor to the United States of America as represented by the Secretary of War, as trustee
No Drawing. Application September 2, 1937, Serial No. 162,135
10 Claims. (Cl. 252—422)

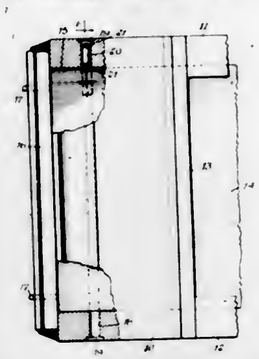
1. A process for the production of structural activated carbon suitable for adsorptive and refining purposes which comprises adding zinc chloride to a carbon comprising a vegetable char and thereafter mixing the said carbon comprising a vegetable char with mineral carbon of the class consisting of coals and cokes and with a binder which chars on heating, compressing the mixture under substantial pressure, subjecting the compressed product to a temperature adequate to carbonize and to char the binder therein, activating the resulting product by heating in the presence of a gas having an activating action and subjecting the charred and the activated product to the action of a solvent to remove undesirable substances.

2,546,904
FLUID OPERATED SAFETY JACK APPARATUS
Harold E. Nelius, Canton, Ohio, assignor to The Weber Dental Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application December 20, 1945, Serial No. 636,098
6 Claims. (Cl. 121—46)



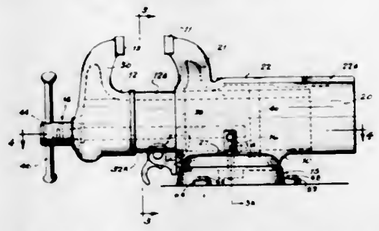
1. In a fluid operated jack apparatus, cylinder chamber forming members including a piston, a cylinder having a fluid sealing sliding fit on the piston and the piston and cylinder being relatively reciprocable with respect to each other, the cylinder having a bore and having a cylinder head extending across the bore opposite the piston, and the cylinder chamber being formed by and between the piston and the cylinder and the cylinder head, one of the cylinder chamber forming members having a fluid inlet opening formed therein, and the cylinder having formed therein a side opening metering orifice, the metering orifice being spaced from the cylinder head in the direction of relative movement of the piston and cylinder a distance determining the maximum extension of the piston and cylinder with respect to each other, and external baffle means on the cylinder opposite the metering orifice, the external baffle means including walls forming a compartment opposite the metering orifice and the compartment having a closed lower end below the orifice and an open upper end above the orifice.

2,546,905
PLATEHOLDER FOR CAMERAS
Edward Nitenson, San Luis Obispo, Calif.
Application October 14, 1948, Serial No. 54,493
3 Claims. (Cl. 95—71)



1. In combination, a frame having a slide-receiving passage, a slide normally disposed in said passage, said frame having a slot extending transversely of the passage and in the plane thereof from one side of the frame to the other, and an indicator plug movable in said slot and held at one end thereof by the slide and movable by gravity to the other end of the slot when the slide is removed from the frame.

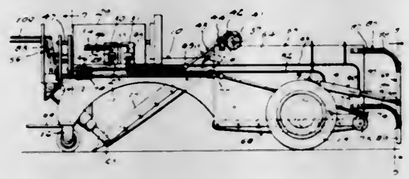
2,546,906
SCREW-ACTUATED VISE HAVING RELEASABLE NUT FOR QUICKLY OPENING OR CLOSING THE JAWS
Anthony M. Sasgen, Chicago, and Fred P. Hopfeld, Elmwood Park, Ill., assignors to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1945, Serial No. 631,962
3 Claims. (Cl. 81—36)



2. In a vise, a body having elongated walls arranged in an inverted V-shaped relationship and having internal bearing surfaces defining a slideway, means on a forward end of said body affording a stationary jaw, a mounting portion rigid with said body and connecting said walls at spaced points along their lower edges, a slide having a movable jaw thereon and having an arm formed in an inverted V-shaped cross section so as to be open along its lower edge, said arm being slidably mounted in said slideway for movement of said movable jaw toward and away from said stationary jaw, a clamping screw rotatably mounted so as to extend longitudinally into said inverted V-shaped portion of said slide and held against longitudinal displacement with respect to said slide, a pair of spaced lugs extended forwardly from a forward part of said

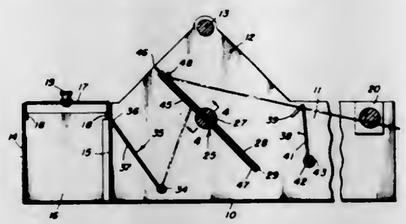
mounting portion, and means constituting a releasable nut pivoted on a horizontal axis between said lugs and extended upwardly and rearwardly through the open lower edge of said arm so as to engage said clamping screw.

2,546,907
EARTH-MOVING MACHINE
Raymond E. Sherwood, Twin Falls, Idaho
Application August 25, 1947, Serial No. 770,523
1 Claim. (Cl. 37—8)



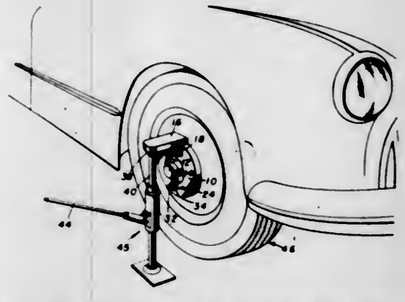
In an earth moving machine, a body, wheel means supporting said body, said body including spaced side walls and a front wall, a movable floor means for moving dirt placed in said body in a rearwardly direction, power means for operating said movable floor, a pair of fixed guide means having vertically spaced and horizontally disposed arms carried by each of said side walls, said arms having parallel portions extending rearwardly of said body including downwardly curved extended ends, a movable rear wall of said body disposed between said arms and slidably connected thereto having a lower edge movable below the plane of said floor, a hydraulic power means interconnecting said rear wall and said body and operative to move the rear wall in a vertical position rearwardly and downwardly along said arms whereby an opening is effected rearwardly of said body with said rear wall acting as a vertically disposed adjustable spreader for dirt moved rearwardly by said floor.

2,546,908
WINDING MACHINE
Joseph Sindelar, Dover, Idaho, assignor of one-half to James Ferguson, Dover, Idaho
Application October 30, 1947, Serial No. 783,084
2 Claims. (Cl. 242—50)



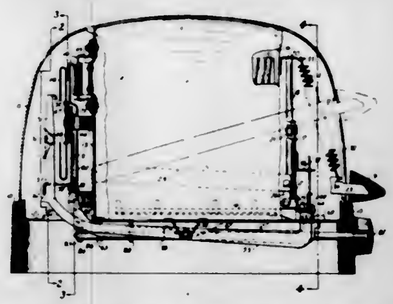
1. A winding machine comprising a base, spaced parallel side walls extending upwardly from the base, a head mounted on each side wall, each head having a core receiving groove in an end face, said heads being rotatable about a common axis with their grooves in opposed relation, a winding core of sheet material removably received in the grooves in the heads and being rotatable with the heads about the common axis, a frame pivoted to the side walls to rock about an axis which lies parallel with the common axis into a position to engage the heads, and a toothed yarn guide mounted on the side walls and extending parallel with the common axis on the side thereof remote from the frame.

2,546,909
WHEEL ATTACHMENT FOR VEHICLE JACKS
William Henry George Slaymaker, Holland, Ohio
Application June 11, 1947, Serial No. 753,868
3 Claims. (Cl. 254—133)



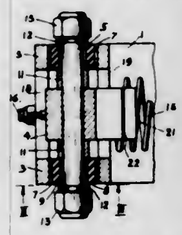
1. In combination with a vehicle wheel assembly including wheel lugs carried thereby, an anchor plate having a wheel hub receiving opening therein, a lug engaging member rotatably carried by said plate and forming the sole means for attaching the anchor plate to the wheel assembly, and a jack engaging arm fixed to said plate and disposed perpendicular to said plate, said lug engaging member including an internally threaded socket and a multi-sided head portion, said member being removable from said plate.

2,546,910
ELECTRIC TOASTER
Eugene L. Snyder, Fort Lauderdale, Fla., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 2, 1948, Serial No. 261
6 Claims. (Cl. 99—329)



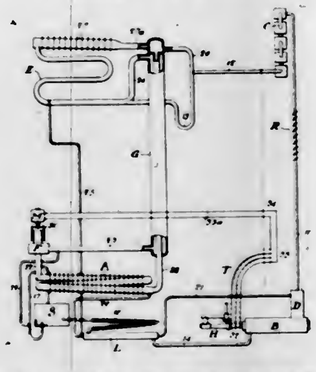
1. In a toaster having an oven, a toast carriage in said oven, means supporting said carriage for movement between toasting and toast ejecting positions, means biasing said carriage to toast ejecting position, a latch for holding said carriage in toasting position, a plurality of thermostats mounted in spaced relation upon a movable support, a heating element positioned adjacent said support to apply heat to one of said thermostats at a time, an impacting mechanism spring biased for movement in a direction to release said latch with a hammer blow, means operated by said toast carriage when moving to toasting position for stressing the biasing spring of said impacting mechanism and for shifting said thermostat support a distance sufficient to bring a thermostat unheated during an immediately preceding toasting operation into heating relation to said heating element, and trigger means operated by the heated thermostat for releasing said impacting mechanism and said thermostat support shifting means from said toast carriage.

2,546,911
FLYWEIGHT MOUNTING FOR GOVERNORS
Hall Steen-Johnsen, Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application February 3, 1949, Serial No. 74,394
8 Claims. (Cl. 264—15)



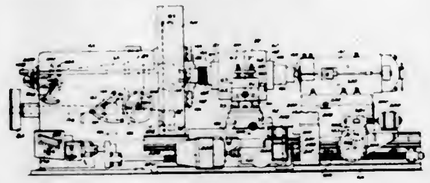
1. A governor comprising a pair of laterally spaced supporting members provided with a pair of aligned openings, an outer metal ring rigidly mounted in each opening, an intermediate ring of rubber-like material bonded to the inner surface of each outer ring, an inner metal ring bonded to the inner surface of each intermediate ring, a pin having its end portions rigidly mounted in said inner rings, and a flyweight rigidly mounted on the pin between said supporting members, whereby oscillation of the pin by the flyweight is absorbed by elastic deformation of said intermediate rings.

2,546,912
ABSORPTION REFRIGERATOR
Otis B. Sutton, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 6, 1945, Serial No. 633,161
12 Claims. (Cl. 62—119.5)



1. A heat operated refrigerating system having a heated part, means for heating said heated part, a secondary refrigerating system comprising a heat absorbing part and a heat rejecting part arranged to be cooled by said heat operated refrigerating system, a pump for circulating a secondary coolant through said secondary system, an electric motor for operating said pump and a thermo-electric generator connected to supply energy to said motor and positioned to be heated by heat derived from said heating means.

2,546,913
LATHE
Alfred Trosch, Brighton, and Worthy J. F. Forward, Rochester, N. Y., assignors to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 736,058
8 Claims. (Cl. 82—2)

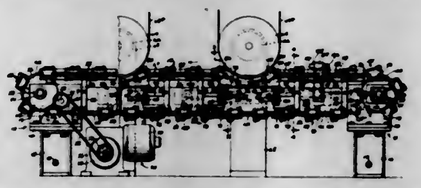


1. In a machine of the character described, a bed, a work spindle journalled in the bed, a carriage mounted on the bed for movement longitudinally of the work spindle, a slide mounted on the carriage for movement transversely of the carriage, a tool mounted on the slide, means comprising a motor and set of change gearing for rotating the work spindle, means comprising a split-nut, which is connected to the carriage, and a screw, that is rotatable therein, for moving the carriage, means for opening and closing the nut, a train of gearing, in which change gears are incorporated, for driving the screw in time with the work spindle, a shiftable member for selectively connecting or disconnecting said train of gearing with the work spindle, means operable to drive the carriage independently of the lead screw and nut during rotation of the work spindle, means operable to actuate the slide, means for actuating the two last-named means comprising a variable speed motor and a plurality of selectively operable sets of gears of different ratio, respectively, driven by said motor, shiftable means for selectively connecting the last-named actuating means with the means for actuating the carriage or the means for actuating the slide, shiftable means for selectively determining which set of gears is to be operable in the said last-named actuating means, and means for interlocking the first-named shiftable means with the means for opening and closing the nut.

2,546,914
GRINDING MACHINE FOR SHEAR BLADES OR THE LIKE
Henry C. Wheeler, Fairfield, Conn., assignor to The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut
Application March 5, 1949, Serial No. 79,843
13 Claims. (Cl. 51—76)

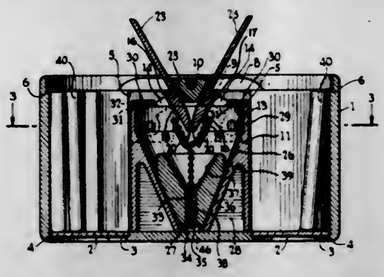
1. In a grinding machine for shear blades or the like, a grinding means having a circumferential peripheral grinding surface, a conveyer suitably supported and driven beneath said grinding means and including a series of successively arranged blade carriers, horizontal guide means

longitudinally at each side of said grinding means for guiding said blade carriers into and out of relation therewith, and arcuate guide means in spaced relation to the grinding surface of said grinding means for guiding said blade carriers in an arcuate path about said grinding surface, said



blade carriers each having longitudinally spaced front and rear guide engaging means whereby said blade carriers are tilted as said front and rear guide engaging means are simultaneously in engagement with said horizontal and arcuate guide means.

2,546,915
AUTOMATIC OPENING AND CLOSING CONTAINER
John A. Yerkes, New York, N. Y.
Application November 13, 1946, Serial No. 709,443
8 Claims. (Cl. 206—1.5)



1. In a receptacle, an article storing compartment, pivot means on said receptacle, a lid mounted on said pivot means, said lid having a compartment covering portion on one side of the pivot means and an extension on the opposite side of the pivot means, a weight, a weight housing having upwardly diverging walls when in upright position, said extension overlying said housing, and means opening said lid when the receptacle is in upright position, said weight sliding down said diverging walls as the receptacle is rotated toward an inverted position, said weight engaging said lid on the side of the pivot means opposite to said opening to close the same.

2,546,916
METHOD OF REFINING HYDROCARBON LUBRICATING OILS
Darwin E. Badertscher and William H. King, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 19, 1948, Serial No. 55,248
4 Claims. (Cl. 196—39)

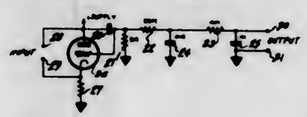
1. The method of refining a residual lubricating oil fraction containing relatively large amounts of asphalt and not treatable in a practical manner by sulfuric acid alone, which consists of adding to said residuum containing relatively large amounts of asphalt at least 10 volume per cent based upon said oil fraction of a selective treating agent consisting essentially of hydrogen fluoride to form a hydrocarbon phase and a liquid phase comprising liquid hydrogen fluoride maintaining said residuum and said hydrogen fluoride under conditions of temperature and pressure to maintain the hydrogen fluoride in liquid state, agitating said residuum and said hydrogen fluoride to produce an emulsion and thereby ensure intimate contact of said residuum and said hydrogen fluoride whereby said asphalt and other undesirable materials present in said residuum are converted into sludge-like material associated with said hydrogen fluoride, stratifying said emulsion to obtain a liquid hydrocarbon phase and a liquid phase comprising said sludge-like material and liquid hydrogen fluoride, separating said liquid phase comprising sludge-like material associated with liquid hydrogen fluoride, and separating hydrogen fluoride from sludge-like material.

2,546,917
VERTICAL AXIS ROUNDABOUT
George W. Bergen, Belmar, N. J.
Application February 20, 1948, Serial No. 9,782
9 Claims. (Cl. 272—43)



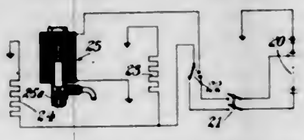
5. A device of the class described comprising the combination of rotatable means, an arm projecting from said means and rotatable therewith, a vehicle having a steerable supporting wheel, means for manually steering said wheel from the vehicle to direct the vehicle longitudinally of the arm, means interconnecting said vehicle and arm independently of said steerable wheel for rotation of the vehicle with the arm upon rotation of the latter, a member independent of said interconnecting means operatively connected with said steerable wheel for turning movement with said wheel during steering thereof, and stop means adjacent outer and inner portions of said arm adapted to be contacted by a portion of the member to move it and turn said wheel in a direction away from the stop means.

2,546,918
RATE SMOOTHING NETWORK
Harry Branson, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1944, Serial No. 565,778
3 Claims. (Cl. 250—27)



1. In a system for minimizing error in a rate derived from data subject to extraneous fluctuations, the combination of a differentiating circuit including an output impedance, means for applying potential representative of said data to the input of said differentiating circuit, a smoothing circuit connected across the output impedance of said differentiating circuit and having series impedances of a value of the same order as the output impedance of said differentiating circuit, and a derivative feed-back circuit connected to apply to the input of said differentiating circuit a compensating voltage such that the settling time of said smoothing circuit is reduced to a desired value.

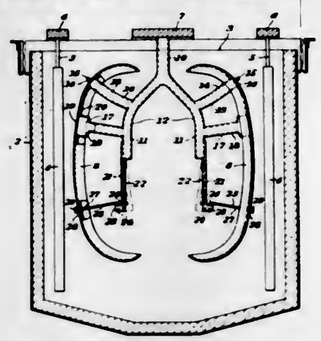
2,546,919
ELECTRICAL IGNITION DEVICE FOR JETS FROM FUEL NOZZLES
Charles Molyneux Carington and George William Shoobert, London, and Dennis Jack Blight, Banstead, England, assignors to K. L. G. Sparking Plugs Limited, London, England, a British company
Application December 13, 1947, Serial No. 791,626
In Great Britain September 16, 1947
7 Claims. (Cl. 158—28)



1. In combination a fuel nozzle the jet from which is to be ignited, an electromagnetically operated valve operative when energised to permit fuel to flow to said nozzle, an electrically heated filament disposed in the path of the jet from said nozzle, a two-position switch, means operative to change said switch from a first position to a second position when said filament attains a predetermined temperature, a first electric supply, a second electric supply of lower voltage than said first electric supply and electric connections connected to provide a first electric circuit comprising said first electric supply, said two-position switch in its said first position and said filament in series with one another, a second electric circuit comprising said second electric supply, said two-position switch in its said second position and said filament in series with one another, and a third electric circuit comprising said second electric supply, said two-position switch in its said second position and said electromagnetically operated valve in series with one another.

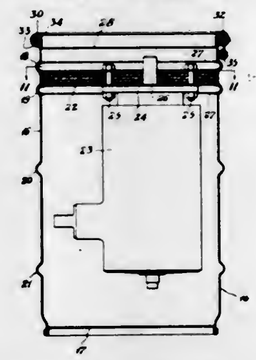
2,546,920
ELECTROPLATING AND ELECTROPOLISHING APPARATUS
Clyde Cupps, Newton Falls, Ohio, assignor to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
Application June 23, 1948, Serial No. 34,773
1 Claim. (Cl. 204—297)

In electroplating and electropolishing apparatus, a substantially vertically extending support for an article, said support being connected in an electric circuit, a supporting arm connected at its inner end to said support and having at its outer end a locating pin adapted to be received in a hole formed in the article, an electrical contact connected to said support below said supporting arm and contacting the article over an area at least several times greater than the area of contact between the article and said locating pin, a spring connected to said support and extending below said electrical contact, and a hook connecting said spring and article for holding the article tightly against said electrical contact, said hook having a body portion passing through an



opening in the article, an enlarged head for retaining the hook in place, and a curved portion for removable engagement with said spring.

2,546,921
SHIPPING DEVICE WITH ARTICLE SUPPORTING MEANS
Joseph G. Dunneback, Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 28, 1945, Serial No. 619,038
4 Claims. (Cl. 206—46)

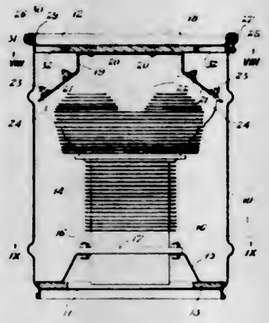


1. A shipping device comprising a container having generally parallel annular internal corrugations, an article supporting base adapted to be disposed between the corrugations, means for fastening an article to the base, split rings of spring-like material fitting within the corrugations and respectively engaging opposite faces of the base to releasably maintain it in place and closure means separate from the base for closing the container to confine the base inside it.

2,546,922
SHIPPING RECEPTACLE WITH INNER ARTICLE FASTENING MEANS
Joseph G. Dunneback, Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 28, 1945, Serial No. 619,039
2 Claims. (Cl. 206—46)

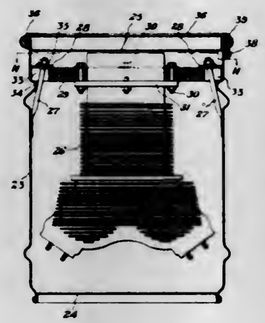
1. A shipping receptacle comprising a container that is closed at its lower end and has a

removable cover for its upper end, a base member loosely disposed within the closed lower end of the container and having a peripheral edge in engagement with the side walls of the container, means including positive fastening means for connecting an article to the base member, a plate adapted to engage the lower surface of the cover and with its peripheral edge in proximity to the inner side walls of the container, a bracket bear-



ing at its mid-portion against the plate and secured thereto and having its end portions projecting into the space within the container and means including positive fastening means for connecting the article to the end portions of the bracket, the plate, the bracket and the base member, when connected to the article, being manipulatable as a unit when placing them in the container or removing them therefrom.

2,546,923
SHIPPING CONTAINER WITH ARTICLE-SUPPORTING BASE
Joseph G. Dunneback, Shaker Heights, Ohio, assignor to J. & L. Steel Barrel Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 28, 1945, Serial No. 619,040
1 Claim. (Cl. 206—46)

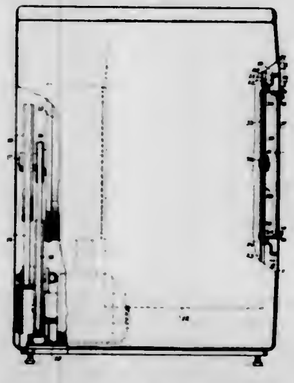


A shipping container comprising a container body, heads closing the body at opposite ends, an article-supporting base, a seating device on the inner wall of the body intermediate the heads serving as a seat for the base, anchoring rods secured to the inner wall of the body and intersecting the plane of the base, the rods extending through slots formed in the edges of the base, plates at the face of the base remote from the points at which the rods are secured to the container wall overlying the slots and nuts threaded on the rods for holding the plates on the base and the base on its seat.

2,546,924
POLYMERIZATION OF N-VINYL PYRROLE COMPOUNDS
Werner Freudenberg, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 20, 1944, Serial No. 569,101
6 Claims. (Cl. 260—88.3)

1. In a process of polymerizing N-vinyl pyrrole compounds wherein an N-vinyl pyrrole compound dissolved in a liquid solvent is subjected to the action of an acid polymerization catalyst, the improvement which comprises dissolving said N-vinyl pyrrole compound in a solvent selected from the class consisting of monochloro-, monobromo, and monofluoro-benzene and ortho- and meta-dichloro-, dibromo- and difluoro-benzene and subjecting the thus-obtained solution, while liquid and at a temperature below 20° C., to the action of an acid polymerization catalyst in such a predetermined minor amount as is sufficient to effect complete polymerization of said N-vinyl pyrrole compound, but which is less than that at which insoluble material is formed in the reaction mass.

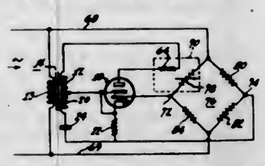
2,546,925
CLOTHES DRIER
Peter Eduard Geldhof and Charles E. Morgenstern, St. Joseph, Mich., assignors to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application January 9, 1946, Serial No. 640,053
3 Claims. (Cl. 34—82)



1. In a clothes drier of the rotatable drum type wherein heated air is passed through the drum while clothes are being tumbled therein, the combination which includes a housing, a clothes drum mounted for rotation in said housing, said drum having an end wall with an axially disposed opening therein, a door in said housing opposite the open end of said drum, said door having a main frame portion and a perforated inner wall member rotatably mounted on said main frame portion, the axis of rotation of said inner wall member being coaxial with the axis of rotation of said drum, and a screen having a relatively fine mesh with respect to the perforations in said wall member mounted in said main frame

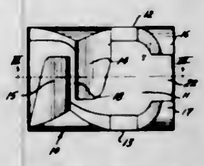
exteriorly of said inner wall member, whereby frictional resistance between said door and the clothes is minimized by the rotation of said inner wall member, and lint is trapped between said inner wall member and said screen.

2,546,926
ELECTRICAL REGULATION SYSTEM
Stephen V. Hart, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,277
2 Claims. (Cl. 323—4)



1. A network for regulating power transfer from a source of alternating electric power to a load device through a gaseous discharge tube of the type having an anode, a cathode, and a control grid, said network comprising, a transformer having (1) a primary winding adapted to be connected to said source, and (2) a two-section secondary winding, an anode-to-cathode circuit for said tube, said circuit including said load device and one section of said secondary winding, a variable impedance element connected in parallel with said primary winding, and a grid-to-cathode circuit for said tube, said grid-to-cathode circuit consisting of (1) the other section of said secondary winding, (2) phase-shifting means connected in parallel with said other secondary winding section, and (3) said variable impedance element.

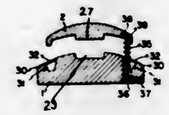
2,546,927
POLARIZING HEAD FOR MAGNETIC RECORDERS
Hugh A. Howell, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application September 13, 1947, Serial No. 773,891
10 Claims. (Cl. 179—100.2)



1. A polarizing head for magnetic recorders comprising a single permanent magnet having two pairs of complementary pole extension members, one pair on each of the opposite poles of the magnet, the component members of one pair being closely spaced together and the component members of said other pair being spaced relatively far apart.

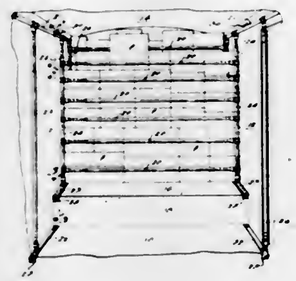
2,546,928
SAFETY RAZOR
Anthony N. Masabny, Allston, Mass.
Application May 2, 1947, Serial No. 745,477
2 Claims. (Cl. 30—70)

1. A safety razor comprising a head element having a guard portion at each side and also having a central aperture, a blade-clamping member for clamping a blade against the head element, said blade-clamping member having a centrally located tapped hole, a handle provided with a shoulder to engage the head element and a screw-threaded portion to screw into said tapped hole, helical springs situated between the head element and the blade-clamping member, means



connecting one end of each spring to the blade-clamping member and means connecting the other end of each spring to the head element, said springs serving to separate the blade-clamping member from the head element when the handle is unscrewed and also serving as means for connecting said blade-clamping member and head when they are so separated.

2,546,929
FREIGHT LOADING APPARATUS
Sulo Michael Nampa, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application February 12, 1945, Serial No. 577,374
18 Claims. (Cl. 105—369)



1. In a freight loading system for a storage space, the combination of a pair of vertically spaced generally horizontally extending tubular members fixed at each side of said space, at least a pair of generally vertically extending tubular members, each vertical member extending between and being adjustably secured to the horizontal members of the corresponding pair for adjustment lengthwise of the latter, and one or more tubular members extending between and adjustably secured to said pair of vertical members for adjustment lengthwise of the latter, at least certain of said tubular members comprising a pair of telescopically related tubular elements which are slidable lengthwise of each other, and

at least certain of said tubular members having means adjacent the ends thereof which embrace others of said members to effect said adjustable securement.

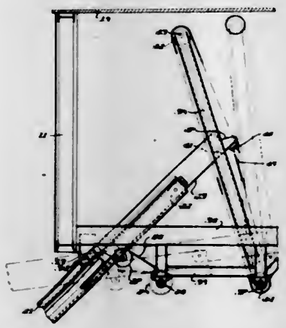
2,546,930
PROCESS OF POLYMERIZATION IN THE PRESENCE OF A DOUBLE FLUORIDE CATALYST
Herbert J. Passino, Englewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Original application January 8, 1943, Serial No. 471,777. Divided and this application August 21, 1948, Serial No. 45,568
13 Claims. (Cl. 260—683.15)

1. A method for catalytically polymerizing a hydrocarbon which comprises subjecting an olefin hydrocarbon to polymerization conditions of temperature, pressure and space velocity in the presence of a catalytic material comprising a complex compound of hydrogen fluoride and a fluoride selected from the group consisting of the fluorides of the alkali metals, the alkaline earth metals and ammonium as the major and principal catalytically active component of the catalytic material.

2,546,931
MAGNESIUM ALLOY
Donald L. Leman, Freeland, and John J. Casey, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 18, 1949, Serial No. 82,272
2 Claims. (Cl. 75—168)

1. A magnesium base alloy composed of 6 to 12 per cent of lithium, 16 to 25 per cent of zinc, 1 to 20 per cent of cadmium, the balance being essentially magnesium.

2,546,932
OPERATING AND LOCKING MECHANISM FOR CANOPY DOORS
Robert F. Rape, New Castle, Pa., assignor to The Fleming Steel Company, New Castle, Pa., a partnership
Application May 17, 1947, Serial No. 748,686
5 Claims. (Cl. 268—74)

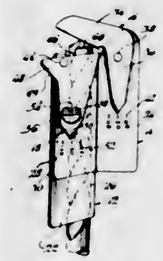


3. Operating mechanism for a swingably mounted door comprising a member integral with the door, a rigid radius arm pivoted on a fixed support spaced laterally from the door and having a cam track extending therealong, a cam follower carried by said door member and movable along said track, supporting means connected to the radius arm at opposite ends of the cam track, a flexible tension member movably trained around said supporting means and tautly fastened to said door member, and driving means connected to the tension member to draw it around said supporting means, whereby the driving means is connected to draw the cam follower along the cam track to swing the door while the tension member holds the door against air pressures on either side of the door in each successive position of the door.

2,546,933
METHOD OF DISSOLVING THORIUM VALUES
Frank L. Steahly and Raymond W. Stoughton, Oak Ridge, Tenn., and Frederic W. Schuler, Madison, Wis., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application May 24, 1946, Serial No. 672,172
10 Claims. (Cl. 23—14.5)

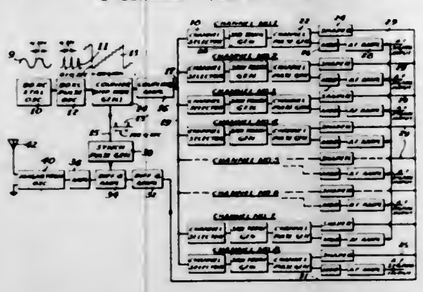
1. A method of dissolving thorium values which comprises heating said thorium values in a solvent containing nitric acid and a small amount of a fluorine containing compound.

2,546,934
TWIST DRILL GAUGE
Nels H. Swanson, Chicago, Ill.
Application July 7, 1949, Serial No. 103,414
10 Claims. (Cl. 33—201)



9. A device for gauging twist drills comprising a body member having wall structure against which the periphery of a drill may be pressed to maintain the body and drill in gauging relation while the point angle and clearance angle of said drill are being gauged, a pair of gauge members secured to said body member, a gauging surface on the first gauge member to gauge the cutting edge of a drill in gauging position relative to the body, a first gauging surface on the second gauge member for gauging the clearance angle of said drill, cooperating surfaces for gauging the chisel point angle of a drill including a gauging surface on the body and a second gauging surface on the second gauge member adjustable relative to the gauging surface on the body member by pivotal movement of said second gauge member, and means including three graduated scales on said body member, one pointer on said first gauge member and two pointers on said second gauge member to indicate on said scales the angles gauged by said gauge members.

2,546,935
HIGH FIDELITY PULSE MULTIPLEX SYSTEM
Bertram A. Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1945, Serial No. 619,235
3 Claims. (Cl. 179—15)

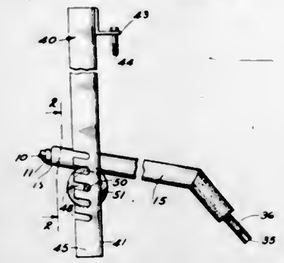


1. In a pulse multiplex system having a multiplicity of independent channels, a transmitter having means for producing pulses and modulating a characteristic thereof in each of said channels, the pulses in the different channels having the same repetition rate, and means for supplying the same modulation to a plurality of said channels and different modulations to other channels, to thereby effectively increase the effective pulse frequency available to carry the modulation supplied to said plurality of channels, means combining the outputs from all of said channels, means for causing said plurality of channels to produce pulses at such selected time intervals that the resulting combination of pulses from said plurality of channels is a series of regularly recurring pulses spaced evenly in time with pulses from the other channels occurring in the intervals between adjacent pulses in said series, a receiver having the same number of channels as said transmitter, means at said receiver for combining the pulse outputs from a plurality of channels corresponding in number and position to said plurality at said transmitter, a filter at the receiver for passing the combined outputs from said plurality, and other filters at the receiver of narrower frequency bands than said first filter for passing the pulse outputs of the other channels.

2,546,936
TREATMENT OF SLAGS
James C. Vignos, Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio, a corporation of Ohio
No Drawing. Application June 2, 1949, Serial No. 96,823
5 Claims. (Cl. 75—30)

1. A process for removing phosphorus from slags containing phosphorus, manganese and iron oxides outside of a furnace to produce a substantially phosphorus-free manganese oxide containing material from which manganese may be recovered by known means which comprises treating the slag in the molten condition with a sufficient amount of a mixture of about 5% to 40% carbonaceous reducing agents and about 95% to 60% noncarbonaceous reducing agents to reduce the greater part of the phosphorus oxide and sufficient iron oxide to combine with the phosphorus in the form of an iron-phosphorus alloy and separating the iron-phosphorus alloy from the remaining manganese oxide containing material.

2,546,937
APPARATUS FOR DELIVERING A FLUID INTO A FURNACE
John J. Wyandt, Canton, and James K. McKelvey, Massillon, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application January 7, 1949, Serial No. 69,752
4 Claims. (Cl. 266—34)



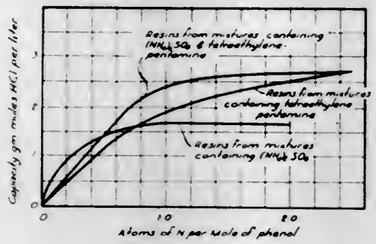
3. Apparatus for delivering a fluid into contact with molten metal in a furnace comprising a tubular lance through which said fluid may be conducted to said molten metal, means for supporting and positioning the lance relative to said metal including a vertically adjustable rotatable wheel on which the lance may run and a frame straddling and supporting said wheel, and means associated with said frame for securing the frame to the said furnace in position for delivery of fluid through the lance into molten metal in the furnace.

4. Apparatus for delivering a fluid into contact with molten metal in a furnace comprising a nested tube assembly including an inner tube communicating with a source of said fluid under pressure and having a discharge end, and an intermediate tube and an outer tube communicating with each other adjacent to said discharge end and with a source of cooling fluid under pressure and a discharge line respectively, said discharge end of the inner tube being within the outer tube and outside the intermediate tube, a plurality of spacers between the intermediate tube and the inner and outer tubes and holding the tubes in predetermined, substantially uniform, spaced relation throughout the length of said assembly, and a nose piece bearing against and closing the end of the outer tube, said nose piece having an axial portion extending into said outer tube and having a threaded transverse aperture receiving in fluid-tight engagement the discharge end of said inner tube.

2,546,938
ION EXCHANGE RESINS AND PROCESS OF TREATING A SOLUTION OF AN ACID IN A LIQUID IONIZING MEDIUM TO REMOVE ANIONS
William C. Bauman and George Beal Heusted, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 23, 1946, Serial No. 671,872
13 Claims. (Cl. 23—139)

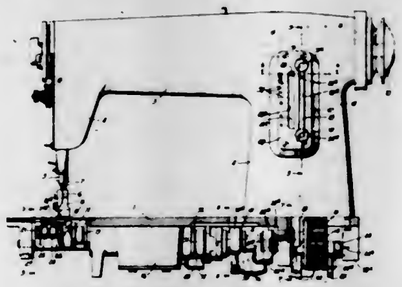
1. A solid resinous condensation product formed by reacting together, in the presence of an ionizing solvent and at temperatures between about 70° and about 100° C., 1 molecular equivalent of a monohydric phenol which, of itself, is free of substituents in at least two of the posi-

tions ortho and para to the hydroxyl group, between 2 and 3.5 molecular equivalents of formaldehyde, and both an ammonia source-material and a member of the class consisting of alkylene-polyamines and polyalkylene-polyamines, in amounts such as to contain a total of between 0.5



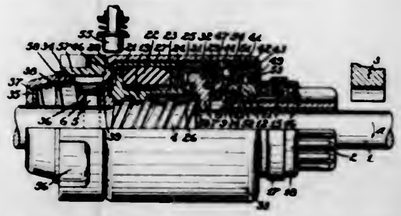
and 2 gram atomic weights of nitrogen per gram mole of the phenol and in relative proportions such that between 10 and 80 per cent of the total nitrogen-content is provided by the ammonia source-material, and completing the resin-forming reaction under acidic conditions.

2,546,939
FEEDING MECHANISM FOR SEWING MACHINES
Fredric W. Breul, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 5, 1948, Serial No. 52,836
6 Claims. (Cl. 112—209)



1. In a sewing machine having a bracket-arm provided with an open face cavity and a vertical slot and a feeding mechanism including a feed-drive rocker, a feed-dog carrying bar connected for actuation by said rocker, a rotary actuating element, operative connections with said actuating element for imparting rocking movements to said rocker, and treadle-controlled means operable during the operation of the machine for varying the effective action of said operative connections; the improvement which consists in the provision upon said bracket-arm of a cover-plate for said open face cavity; a pair of relatively adjustable stops carried by said cover-plate; a member having a portion projecting through the slot in said bracket-arm and shiftably disposed for engaging said stops to limit the movement of said member in opposite directions; and operative connections with said treadle-controlled means for actuating said member.

2,546,940
ENGINE STARTER GEARING
James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application July 21, 1949, Serial No. 106,072
6 Claims. (Cl. 74—7)

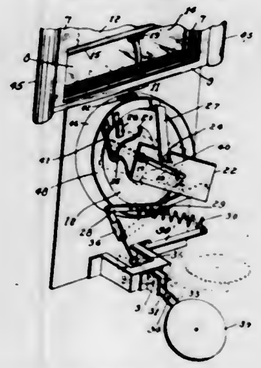


1. In an engine starter drive, a power shaft, a pinion journalled thereon for longitudinal movement into and out of mesh with a gear of the engine to be started, means for actuating the pinion from the power shaft including a pair of dental overrunning clutch members, yielding means urging the clutch members into engagement, and centrifugal means responsive to overrunning of the driven clutch member above a predetermined speed, for separating the clutch members and holding them apart.

2,546,941
LUBRICATING OIL
William Davey, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 2, 1947, Serial No. 751,993. In Great Britain July 25, 1946
15 Claims. (Cl. 252—48.4)

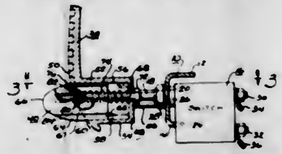
1. A lubricating composition consisting essentially of a major amount of a hydrocarbon oil and a minor amount of less than 1% sufficient to impart extreme pressure properties to said lubricant of trichloromethyl di(thiaethyl) methane.

2,546,942
WELDER'S HELMET
Joseph Doran, St. Louis, Mo., assignor to Joseph J. Doran, Barrington, Ill.
Application November 22, 1944, Serial No. 564,599
4 Claims. (Cl. 2—8)



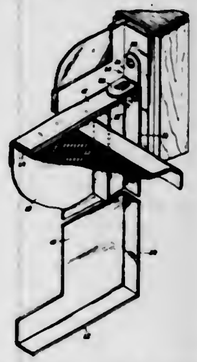
1. A device of the kind described, comprising a head hood provided with a panel normally closing the sight opening through the hood, rotary means having a plurality of circumferentially spaced projections thereon to lift said panel, chin-controlled means for operating said rotary means, and means releasably holding said panel in opened position after one full movement of said chin-controlled means and retrieving the same to closed position immediately after the commencement of the next like movement of said chin-controlled means.

2,546,943
INSTRUMENT PANEL SWITCH
James Robert Ferguson, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 4, 1947, Serial No. 777,920
4 Claims. (Cl. 175—298)



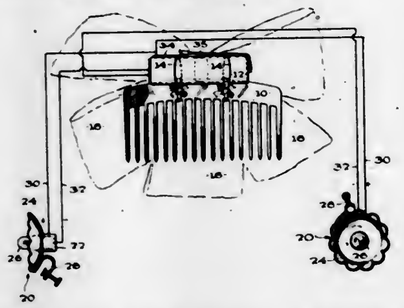
1. In a switch actuating mechanism the combination with a plurality of separate switches of the push and return type having movable plungers, a bracket supporting said switches with their plungers in parallel relation, of a panel spaced from the bracket and having a channel shaped portion spaced from and extending parallel to said bracket, a plurality of separate push buttons slidably mounted in the channel and movable between switch actuating and switch return positions, guide means between the push buttons and the channel, adjustable actuating means carried by the push buttons and extending through the channel in alignment with the switch plungers, and yielding means between the push buttons and the channel to urge the push buttons to the switch return position.

2,546,944
MOUNTING DEVICE FOR WINDOW VENTILATING FANS
Martin Hereward Fuller, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana
Application February 12, 1948, Serial No. 7,775
2 Claims. (Cl. 98—94)



1. A mounting device for a window ventilating fan comprising a sheet metal frame including two elements each comprising a body portion and flange portions turned out of the plane of the body portion and lying respectively in angularly-related planes, one flange portion of each element being provided, at a point near the plane of another flange portion of the same element, with an opening, and a bracket for each element, each bracket comprising two arms having the same angular relation to each other as the said flange portions of such element, one arm of each bracket being provided with a tongue projecting out of the plane of such arm with its free end facing the plane of the other bracket arm, said tongue being receivable in said flange portion opening to locate said other bracket arm substantially in the plane of said other flange portion.

2,546,945
ILLUMINATED EARRING
Eli W. Gaffield, Washington, D. C., assignor of fifty per cent to Raymond N. Matson, Silver Spring, Md.
Application October 3, 1947, Serial No. 777,672
3 Claims. (Cl. 240—6.4)



3. An ear-ring device including a member for positioning on the ear lobe of a wearer comprising a socket, a reflector mounted on said socket, an incandescent bulb mounted in said socket, and means for energizing said bulb to illuminate said ear-ring, said means comprising a comb for positioning in the hair of the wearer, a battery fixed to said comb and supported thereby, wires connecting said bulb and said battery to form an electric circuit therefor, normally closed switch blades mounted on said battery, and insulator means mounted on one of said blades and operable for separating the same to open said circuit.

2,546,946
MODIFIED PHENOL-FORMALDEHYDE RESINS
Howard D. Hartough, Pitman, and John W. Schick, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 4, 1947, Serial No. 772,212
10 Claims. (Cl. 260—53)

10. A thermosetting phenolic resin containing nitrogen in the proportion of one atom of nitrogen to at least three phenol radicals and containing at least three per cent by weight of nitrogen, said resin having been obtained by condensing a phenol devoid of reactive acid and basic substituents and having at least one active nuclear hydrogen with formaldehyde in the molal ratio of 1:2 to 4 in the presence of at least 0.25 mole of an ammonium halide selected from the group consisting of ammonium chloride, am-

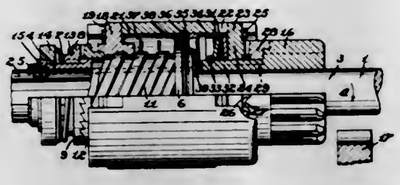
monium bromide and ammonium iodide and in the presence of at least 0.5 mole of a modifier selected from the group consisting of free acids having an ionization constant above 1×10^{-5} but not greater than 1.7×10^{-2} and alkali metal acid sulfites.

2,546,947
SAW WITH DETACHABLE CUTTING EDGE
Jacob Miller, Sr., West Falls, N. Y.; Adolf Miller and Jacob Miller executors of said Jacob Miller, Sr., deceased
Application September 4, 1948, Serial No. 47,887
2 Claims. (Cl. 143—139)



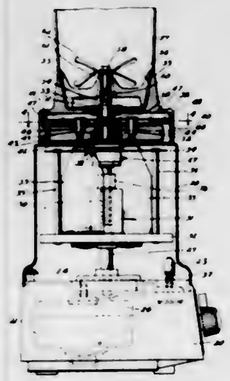
1. A saw comprising a body, a blade arranged below the body, and coupling means for detachably connecting said body and blade including a plurality of downwardly opening coupling notches formed in a longitudinally row on the lower edge of the body, and a plurality of upwardly projecting coupling lugs arranged in a longitudinal row on the upper edge of the body, and each lug of the blade engaging with a notch of the body, and the upright edges of the notches and lugs being inclined at an oblique angle lengthwise of the body and blade and the upright edges of each lug being bevelled and engaging with the correspondingly bevelled upright edges of one of the notches of the body, and the co-operating bevelled edges of the several lugs and notches being arranged at angles which extend alternately in opposite lateral directions relative to the plane of the body and blade, and said blade being provided on its upper edge with stop lugs which project into stop notches on the lower edge of said body, and said stop lugs having their upper ends bevelled and engaging with corresponding bevels on the upper edges of said stop notches, and the co-operating bevels of the several stop lugs and notches being inclined alternately laterally in opposite directions relative to the plane of the body and blade.

2,546,948
ENGINE STARTER GEARING
Donald L. Miller, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application August 8, 1949, Serial No. 109,107
6 Claims. (Cl. 74—7)



1. In an engine starter drive, a power shaft, a sleeve fixedly mounted thereon having spline grooves at one end and a stop shoulder at the other; a screw shaft having clutch teeth at one end slidably journaled on the intermediate portion of said sleeve, a clutch member slidably but non-rotatably mounted on the splined portion of the sleeve, an abutment on the sleeve limiting movement of the clutch member away from the sleeve, yielding means urging the clutch member into driving engagement with the clutch teeth of the screw shaft, and normally holding the screw shaft against the stop shoulder on the sleeve; a control nut threaded on the screw shaft, a barrel member rigidly mounted at one end on the control nut, a pinion slidably journaled on the power shaft for longitudinal movement into and out of mesh with a gear on the engine to be started, having a driven coupling member fixed thereon, a driving coupling member non-rotatably mounted in the other end of the barrel member, and yielding means on the pinion urging the coupling members into driving engagement.

2,546,949
MAGNETIC POWER UNIT POWER TAKE-OFF
Willard L. Morrison, Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del., a corporation of Delaware
Application September 21, 1949, Serial No. 116,912
6 Claims. (Cl. 172—284)

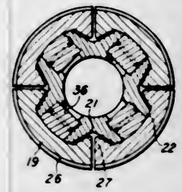


1. In a magnetic power device, a power unit including a turning magnet, a magnet keeper pivotally mounted and turning with the magnet, a stationary ring gear, coaxial with the keeper, a planetary gear inside the ring gear intergeared with the ring gear and pivotally mounted on the keeper on an axis radially displaced from the axis of the keeper, and a driven gear on the axis of the keeper inside the planetary gear and intergeared therewith on the same teeth which intergear with the ring gear.

2,546,950
TUBING ANCHOR
Jeddy D. Nixon, New Braunfels, Tex., assignor to Wilson Foundry & Machine Company, Houston, Tex., a corporation of Texas
Application April 22, 1949, Serial No. 89,053
6 Claims. (Cl. 166—1)

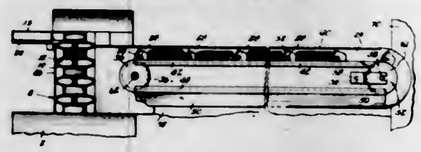
1. A tubing anchor including, a tubular mandrel adapted to be connected in a well tubing and having a body intermediate its ends provided with elongated bosses and valleys therebetween, radially movable slips on said bosses having thickened wings disposed in the valleys,

piston means mounted in the bosses of the body exposed to the bore of the mandrel and engaging



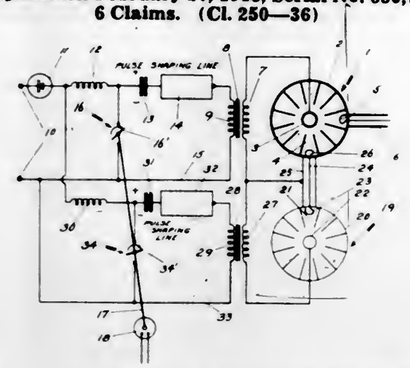
the slips, and retaining means holding the slips in assembled relation to the body.

2,546,951
ARTICLE TRANSFER MECHANISM
Santy C. Petrilli, Chicago, Ill., assignor to General Candy Corporation, Chicago, Ill., a corporation of Illinois
Application October 11, 1945, Serial No. 621,682
9 Claims. (Cl. 198—20)



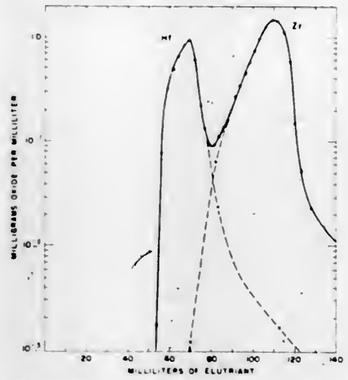
2. In a device for feeding substantially elongated bars of candy or other material, the combination of a series of pockets disposed substantially in parallelism and each having an open end, means for moving said series of pockets for at least a portion of their movement in an elongated, substantially straight path disposed in a predetermined horizontal plane, an endless conveyor operable in a closed path which includes parallel, spaced apart, substantially straight reaches, joining to arcuately disposed end portions wherein one of the straight reaches is disposed at substantially right angles to the path of movement of the series of pockets and wherein one of the arcuate portions of said second conveyor lies adjacent but spaced from the path of movement of the series of spaced pockets, said second conveyor operating in the same horizontal predetermined plane, and having the axial center of said last mentioned arcuate portion disposed vertically, means for continuously operating said second conveyor, said second conveyor including spaced outstanding pushing members thereon of such length that their outer ends are substantially spaced from the adjacent open ends of the pockets of the first conveyor when said pushing members are moving through said last mentioned arcuate path, and means for continuously moving said second mentioned conveyor to cause the pushing members to push successive bars in a direction transversely of and toward the open pockets of the first mentioned conveyor until each pushing member reaches said arcuate path and whereupon to cause said successive pushing members to move with increased velocity along said arcuate path and for a short travel in the general direction of the path of movement of the open-ended pockets whereby during said movements said successive pushing members project the bars across the intervening space located between the path of movement of the outer portions of the pushing members and the adjacent spaced paths of travel of the open ends of said pockets and into said pockets.

2,546,952
ELECTRICAL SYSTEM
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 27, 1946, Serial No. 650,707
6 Claims. (Cl. 250—36)



1. In combination: a first circuit including a main electrical energy storage device and pulse-shaping means coupled thereto; a first electron-discharge device coupled to said first circuit and adapted to be energized thereby to generate main electrical oscillations; a second circuit including an auxiliary electrical energy storage device and pulse-shaping means coupled thereto; a second electron-discharge device coupled to said second circuit and adapted to be energized thereby to generate auxiliary electrical oscillations; means for coupling the oscillations generated by said second electron-discharge device into said first electron-discharge device; means for charging said energy storage devices; and means for discharging said energy storage devices to apply overlapping auxiliary and main pulses of voltage, respectively, to said second and first electron-discharge devices.

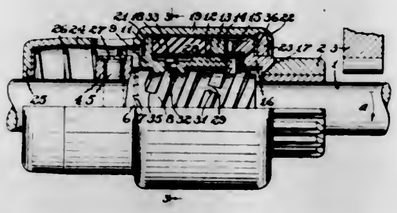
2,546,953
ZIRCONIUM-HAFNIUM SEPARATION PROCESS
Kenneth Street, Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application November 25, 1949, Serial No. 129,267
4 Claims. (Cl. 23—19)



1. In a method for separating the elements zirconium and hafnium from each other, the steps

comprising contacting an aqueous solution containing said elements in ionic form with a cationic exchange resin, selectively eluting said elements from said resin with a hydrochloric acid solution wherein the concentration of the hydrochloric acid is in the range of about 3 to 6 molar, and collecting fractions of the eluate containing the separated elements.

2,546,954
ENGINE STARTER GEARING
Arthur R. Tobias, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application October 3, 1949, Serial No. 119,230
3 Claims. (Cl. 74—7)



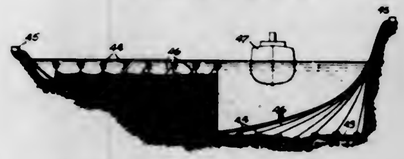
1. In an engine starter drive a power shaft, a pinion slidably journaled thereon for longitudinal movement into and out of mesh with a gear of the engine to be started; means for actuating the pinion from the power shaft including a screw shaft, means for rotating the screw shaft from the power shaft, a nut threaded on the screw shaft and a driving connection from the nut to the pinion including a sleeve of elastically deformable material surrounding the nut; said screw shaft having a notch formed therein; and centrifugally releasable means for holding the pinion in mesh with the engine gear including a latch member mounted on the nut within said sleeve in position to engage the notch in the screw shaft when the pinion approaches its driving position, said sleeve serving to confine the latch on the nut.

2,546,955
METAL BOAT HULL
Gerard V. Ventura, West Haven, Conn., assignor to Steelcraft Boats, Incorporated, a corporation of Connecticut
Application March 17, 1948, Serial No. 15,429
12 Claims. (Cl. 114—79)



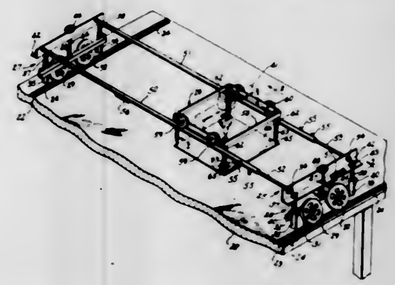
12. A metal boat hull bottom section comprising a first pair of metal sheets extending the full length of the hull bottom and being connected together along their meeting edges at the center line of the hull, said first pair of bottom sheets being upwardly flared apart in substantially V form in cross-section with the V form at the hull bow including a relatively sharp acute angle and at the hull stern including a relatively shallow obtuse angle, said first pair of sheets being cut away from their bow end rearwardly to a terminating point forward of midship to form a triangular space pointed at the bow and broad at its terminating point, and a second pair of bottom sheets flared apart to include an obtuse angle fitted into the said spaces and connected to said first pair of bottom sheets, said second pair of sheets at the rear end thereof being at an angle substantially equal to the angle of the first pair of sheets at that point to merge smoothly therewith.

2,546,956
SUBMERSIBLE BUOY
Lucien I. Yeomans, Chicago, Ill., assignor, by mesne assignments, to Martha F. Watts
Application October 6, 1944, Serial No. 557,395
15 Claims. (Cl. 9—8)



1. A variable displacement buoy comprising, in combination, a pair of opposed end members joined by a series of telescoping annular wall members to form a hermetically sealed enclosure, said wall members being slidable relative to each other for movement of said end members toward and from each other in varying the displacement of the buoy, means for positively limiting the movement of said end members both toward and from each other with the limit positions such that the buoy is respectively of sinking and floating displacement dimensions in water, with reference to its weight, when the end members are in corresponding ones of said limit positions, and valve means for admitting pressure fluid to the interior of the buoy for distending the same from collapsed position and for withdrawing fluid from said buoy for restoring said buoy to said collapsed position.

2,546,957
DRILL CARRIAGE ASSEMBLY
John W. Ray, Nashville, Tenn.
Application April 1, 1949, Serial No. 84,960
4 Claims. (Cl. 164—86)



4. A drill assembly comprising a pair of spaced parallel horizontally disposed tracks adapted to be secured to a supporting body, a vertically disposed truck mounted for travel on each of said tracks, each of said trucks comprising a pair of wheels arranged in engagement with the complemental tracks, a horizontally disposed bar connected to each pair of wheels, a pair of vertically disposed open topped tubes carried by said bar, a rod telescopically arranged in each of said tubes, a coil spring positioned in each of said tubes and abutting the lower end of said rod, a horizontally disposed support member connected to the upper end of each of said rods, a manually operable adjusting screw connected to said bar and support member, a pair of horizontally disposed spaced parallel open ended sleeves each having one end secured to one of said support members, an extension rod slidably arranged in each of said sleeves and connected to the other of said support members, said extension rods and sleeves coacting to define a pair of spaced parallel rails, a drill carriage including a pair of wheels arranged in engagement with each of said rails, a frame connected to said last named wheels, and a drill plate operatively connected to said frame and mounted for vertical adjustable movement with respect to said frame.

ABSTRACTS OF APPLICATIONS

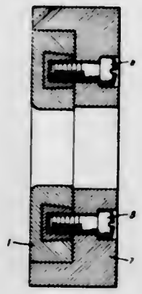
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

704,389. **ELECTROACOUSTIC TRANSDUCER.** William H. Martin, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York. Filed Oct. 19, 1946. Published Mar. 27, 1951. Class 175—339. 1 sheet of drawings. 6 pages of specification.



An electroacoustic transducer comprising a pair of coaxial cylindrical pole-pieces 13 and 14, a radially magnetized cylindrical magnet 15 between and affixed to the pole-pieces and a signal coil 16 between the pole-pieces and insulated therefrom by a channel-shaped insulating member 17. The end faces of the pole-pieces remote from the magnet are coplanar and define a pair of circular air-gaps with an annular magnetic armature 20 to the inner margin of which a dished or domed non-magnetic diaphragm 19 is affixed. The periphery of the armature is laterally beyond the outer pole-piece, is seated upon a non-magnetic support 18 secured to the outer pole-piece and is held against the support solely due to the magnetic attraction of the magnet and pole-piece structure. An annular magnetic member 21 overlies the armature 20 and is magnetized radially so that it has poles opposite the coplanar pole-piece faces, the juxtaposed poles of the member 21 and pole-pieces 13 and 14 being of opposite polarity. Both the circular air-gaps vary in the same sense with vibration of the armature whereby substantial changes in the reluctance of the signal flux path linked to the coil 16 occur and a high modulation efficiency is realized. Inasmuch as the armature 20 is supported at some distance beyond the outer pole-piece 14 a low armature stiffness for any given armature thickness is realized whereby a low resonance frequency for the vibratory system without degradation of the performance characteristics of the magnetic circuit is obtained.

711,040. **CEMENTED CARBIDE BODY HAVING A SOFT METAL INSERT.** Raymond F. Parker, Ferndale, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York. Filed Nov. 20, 1946. Published Mar. 27, 1951. Class 189—36. 1 sheet of drawings. 8 pages of specification.



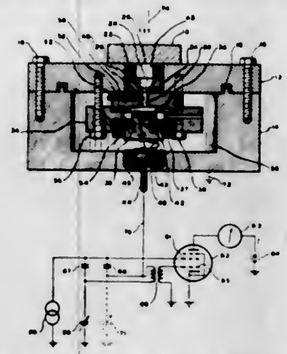
The application relates to means for securing a cemented carbide body to a support, said means including a plurality of tapered recesses, preferably dovetailed recesses, in the cemented carbide body and a tapered metal insert positioned in each recess and forming a tight, rigid dovetailed connection therewith. The dovetailed connection is the sole means for retaining the insert in the cemented carbide structure. Each tapered metal insert is drilled and tapped to form a threaded socket and the cemented carbide body is secured to the support by bolts passing through the support and threaded into the threaded sockets.

24,636. **RADIATION DETECTING DEVICE.** Marcel J. E. Golay, West End, N. J. Filed May 1, 1948. Published Mar. 27, 1951. Class 250—83.3. 1 sheet of drawings. 7 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

This application discloses an infra-red detector wherein a rock salt window 10 hermetically seals a gas chamber 46. A heat absorbing diaphragm 26 lies in gas chamber 46. The volume of this heat absorbing chamber is considerably greater than the volume of the bore in which condenser elements 42 and 38 are located. Infra-red radiation 74 passes through window 10 and raises the temperature of heat absorbing membrane 26. The surrounding gas is heated as a consequence of this

absorption, deflecting the metal diaphragm 42 and changing the capacitance existing between plates



42 and 38. This change in capacitance is measured as an indication of infra-red absorption.

25,579. **THERMOSTAT.** Samuel R. Barr, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed May 7, 1948. Published Mar. 27, 1951. Class 200—138. 2 sheets of drawings. 24 pages of specification.

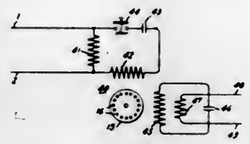


This disclosure includes a thermostat with two elongated resilient contact arms 9 and 10, with cooperating contacts biased together, and a bimetallic strip 14, the bimetal strip and the arm 9 extending in opposite directions and overlapping. An electrical insulating member 17 between the bimetal strip and the arm 9 transmits motion from the strip to the arm when the strip is heated. The member 17 is movable lengthwise of the strip by changing the mounting point of the flexible supporting arm 15 during calibration, and thereby varies the effective length of the strip and the lever ratio between the strip and arm 9. Screw threaded shaft 20 is controlled by an operating knob and bears on arm 10 to vary the upward bias of arm 10 and thereby adjust the operating setting of the thermostat.

Modications show different ways of obtaining calibration adjustment of the insulating member 17 and show mounting of the bimetal strip between the contact arms on the same supporting block as the arms.

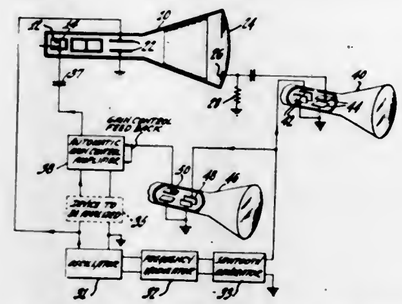
78,934. **DYNAMOELECTRIC MACHINE.** Gustave Angst, Lynn, Mass., assignor to General Electric Company, a corporation of New York. Filed Mar. 1, 1949. Published Mar. 27, 1951. Class 321—64. 1 sheet of drawings. 12 pages of specification.

Discloses an induction type dynamo-electric machine which is self-driven and provided with two separate and mutually noninductive stator windings each having a different number of poles. The rotor is provided with a winding inductive to all stator windings so that one stator-rotor inductive winding combination is adapted to operate as



an induction motor and another stator-rotor inductive winding combination is adapted to operate as an induction generator whenever means such as a shunt capacitor is used to cause the machine to excite.

134,777. **ELECTRICAL PHASE ANGLE MEASUREMENT.** George W. Gray, Lambertville, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Dec. 23, 1949. Published Mar. 27, 1951. Class 175—183. 1 sheet of drawings. 12 pages of specification.

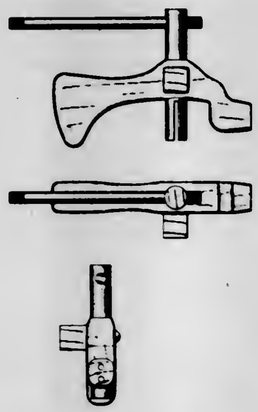


This application discloses a system for analyzing the phase and amplitude response characteristics of a signal transfer device 35 (e. g. an electrical amplifier) by applying a sweep frequency signal to the device 35, applying the same signal to the deflection plates 22 of a cathode ray tube 10 which is provided with a small target electrode 26, taking the output signal of the device 35 and passing the same through an automatic gain control amplifier 38, and applying the output of the amplifier 38 to the intensity control electrode 14 of the tube 10. The current flowing to the target electrode 26 then will be a function of the difference in phase between the input and output signals of the device 35. The feedback signal controlling the gain of the amplifier 38 will be a function of changes in amplitude in the output signal of the device 35. By making the input signal to the device 35 a constant amplitude signal, the feedback signal will provide an indication of amplitude changes induced by the device 35.

DESIGNS

MARCH 27, 1951

162,607
WIRE TYING TOOL
Harry Ackerman, Reinbeck, Iowa
Application March 4, 1950, Serial No. 8,331
Term of patent 14 years
(Cl. D54—13)



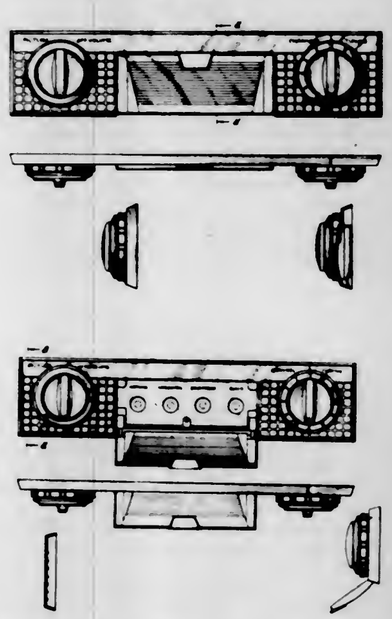
The ornamental design for a wire tying tool, as shown.

162,608
RADIO-TELEVISION RECEIVER AND PHONOGRAPH CABINET
Samuel E. Adler, Chicago, Ill.
Application January 21, 1949, Serial No. 375
Term of patent 14 years
(Cl. D56—4)



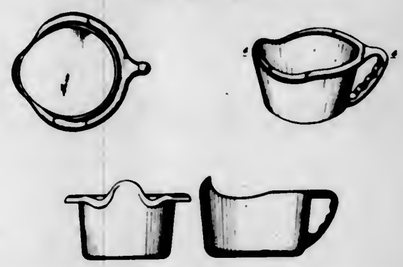
The ornamental design for a radio-television receiver and phonograph cabinet, substantially as shown and described.

162,609
TELEVISION CABINET CONTROL PANEL
Samuel E. Adler, Chicago, Ill.
Application May 11, 1950, Serial No. 9,865
Term of patent 14 years
(Cl. D26—1)



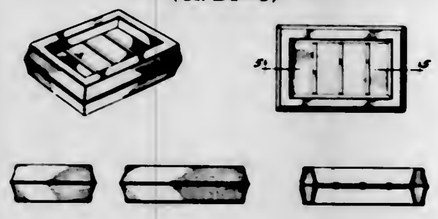
The ornamental design for a television cabinet control panel, as shown and described.

162,610
CHAMBER POT
Roy Aitken, Glasgow, Scotland
Application September 24, 1948, Serial No. 148,739
In Great Britain April 22, 1948
Term of patent 14 years
(Cl. D4—5)



The ornamental design for a chamber pot, as shown.

162,611
FLOATING SOAP DISH OR SIMILAR ARTICLE
Jack Andriessen, Los Angeles, Calif.
Application November 9, 1950, Serial No. 12,915
Term of patent 7 years
(Cl. D4—3)



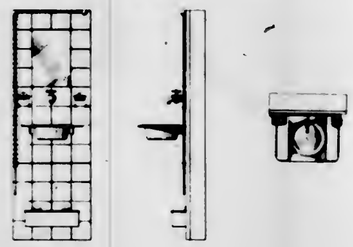
The ornamental design for a floating soap dish or similar article, substantially as shown.

162,612
MONEY BANK
Arthur G. Ball, Los Angeles, Calif.
Application November 3, 1949, Serial No. 5,845
Term of patent 3½ years
(Cl. D34—11)



The ornamental design for a money bank, as shown and described.

162,613
CHILD'S BATHROOM TRAINING UNIT
Douglas A. Ball and Herbert E. Osborn, Fort Worth, Tex.
Application February 16, 1950, Serial No. 7,962
Term of patent 14 years
(Cl. D4—4)



162,613—Continued



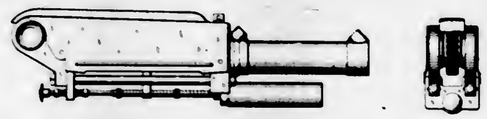
The ornamental design for a child's bathroom training unit, substantially as shown.

162,614
JACKET
Kenn Henri Barr, New York, N. Y.
Application September 21, 1950, Serial No. 12,289
Term of patent 14 years
(Cl. D3—4)



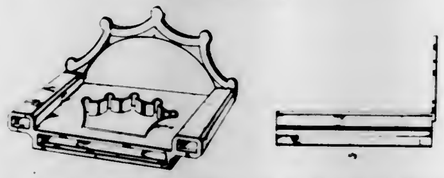
The ornamental design for a jacket, substantially as shown.

162,615
AUTOMATIC DRILL PRESS FEED OR THE LIKE
Donald E. Beckett and William N. Beckett, Wilmington, Ohio, assignors to Beckett-Harcum Company, Wilmington, Ohio, a corporation of Ohio
Application September 6, 1950, Serial No. 12,069
Term of patent 14 years
(Cl. D63—1)



The ornamental design for an automatic drill press feed or the like, as shown and described.

162,616
SANDWICH SERVER
Kenneth E. Bemis, Washington, D. C.
Application August 2, 1950, Serial No. 11,548
Term of patent 14 years
(Cl. D44—10)



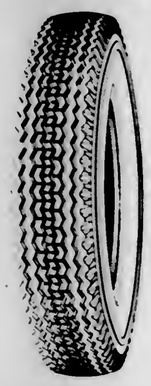
The ornamental design for a sandwich server, as shown.

162,617
WINDPROOF UMBRELLA
Albert P. Benivegna, Brooklyn, N. Y.
Application August 31, 1949, Serial No. 4,774
Term of patent 7 years
(Cl. D88—3)



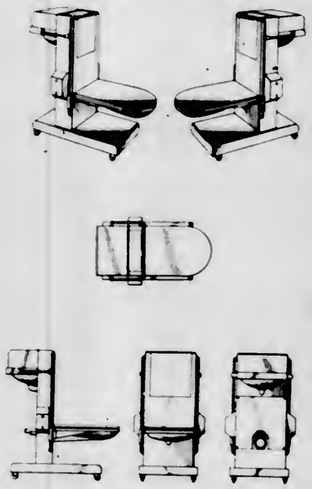
The ornamental design for a windproof umbrella, as shown.

162,618
TIRE
William F. Billingsley, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 30, 1950, Serial No. 12,417
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a tire, as shown.

162,619
PORTABLE COMMODE AND LAVATORY
Floyd A. Blashfield, Naperville, Ill., assignor to American Hospital Supply Corporation, Evanston, Ill., a corporation of Illinois
Application January 13, 1950, Serial No. 7,191
Term of patent 14 years
(Cl. D4—5)



The ornamental design for a portable commode and lavatory, as shown.

162,620
STOCKING
Abe A. Bochner, Brooklyn, N. Y., and Herszel Zylberberg, Norristown, Pa.
Application May 17, 1950, Serial No. 10,004
Term of patent 14 years
(Cl. D47—7)



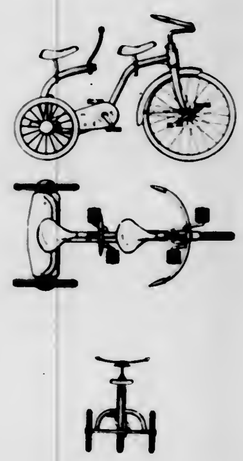
The ornamental design for a stocking, substantially as shown and described.

162,621
STOCKING
Abe A. Bochner, Brooklyn, N. Y., and Herszel Zylberberg, Norristown, Pa.
Application May 17, 1950, Serial No. 10,005
Term of patent 14 years
(Cl. D47—7)



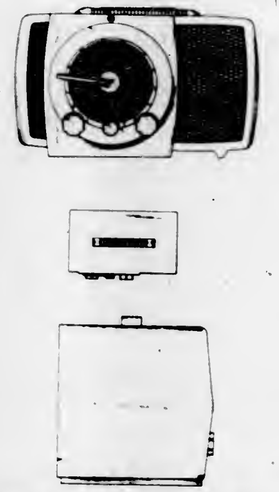
The ornamental design for a stocking, substantially as shown and described.

162,622
TRICYCLE
Daniel R. Boone, Portland, Oreg.
Application June 24, 1949, Serial No. 3,497
Term of patent 14 years
(Cl. D34—15)



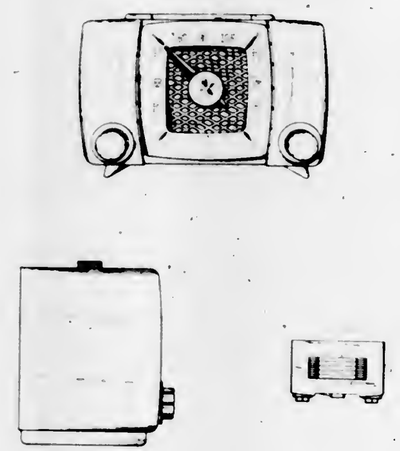
The ornamental design for a tricycle, as shown.

162,623
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application May 25, 1950, Serial No. 10,147
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

162,624
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application May 25, 1950, Serial No. 10,148
Term of patent 7 years
(Cl. D56—4)



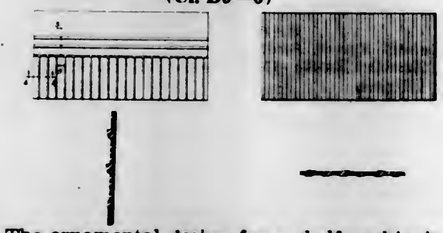
The ornamental design for a radio cabinet, as shown and described.

162,625
COMB OR SIMILAR ARTICLE
Edgar E. Bullard, Leominster, Mass., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application June 3, 1950, Serial No. 10,325
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb or a similar article, substantially as shown.

162,626
SHELF CUSHIONING MAT
James R. Caldwell, Wooster, Ohio, assignor to The Wooster Rubber Company, Wooster, Ohio
Application July 25, 1949, Serial No. 4,114
Term of patent 14 years
(Cl. D9—6)



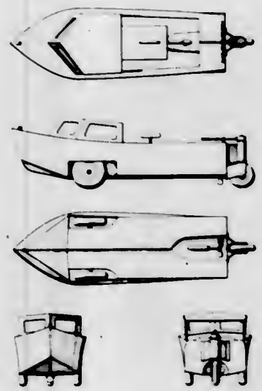
The ornamental design for a shelf cushioning mat, substantially as shown.

162,627
AIR CIRCULATOR
Samuel B. Camiel, New York, N. Y., assignor to Circulators & Devices Mfg. Corp., Brooklyn, N. Y., a corporation of New York
Application July 11, 1950, Serial No. 11,070
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an air circulator, as shown.

162,628
TOY AMPHIBIOUS MOTOR VEHICLE
Bernard Carlin, Orange, Tex., assignor of one-half to Levingston Shipbuilding Company, Orange, Tex., a corporation of Delaware
Application November 29, 1949, Serial No. 6,310
Term of patent 14 years
(Cl. D34—15)



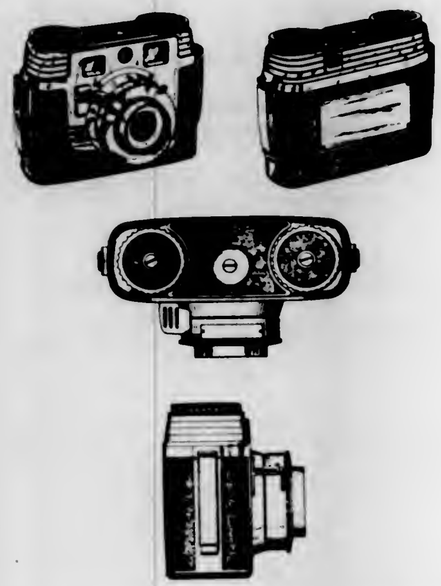
The ornamental design for a toy amphibious motor vehicle, as shown.

162,629
HOSIERY DISPLAY RACK OR SIMILAR ARTICLE
Grace Jones Colombo, New York, N. Y., assignor to Hanes Hosiery, Inc., New York, N. Y., a corporation of New York
Application March 15, 1950, Serial No. 8,537
Term of patent 14 years
(Cl. D80—9)



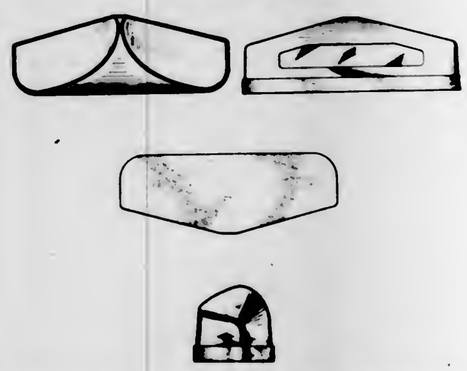
The ornamental design for a hosiery display rack or similar article, as shown.

162,630
ROLL-HOLDING CAMERA
Arthur H. Crapsey, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 23, 1950, Serial No. 10,712
Term of patent 14 years
(Cl. D61—1)



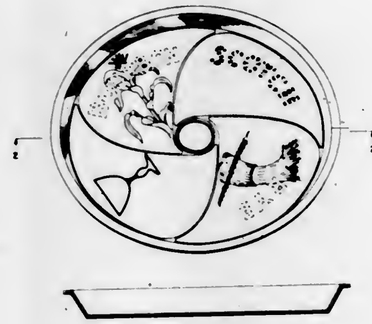
The ornamental design for a roll-holding camera, as shown.

162,631
VEHICLE LAMP HOUSING OR SIMILAR ARTICLE
Louis J. Diamond, Los Angeles, Calif.
Application January 27, 1950, Serial No. 7,532
Term of patent 7 years
(Cl. D48—32)



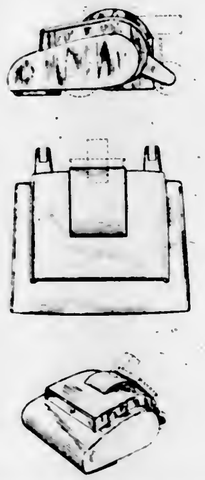
The ornamental design for a vehicle lamp housing or similar article, as shown and described.

162,632
SERVING TRAY
William J. Devitt, New York, N. Y., assignor to Identatray Corporation, New York, N. Y., a corporation of New York
Application October 12, 1949, Serial No. 5,441
Term of patent 14 years
(Cl. D44—10)



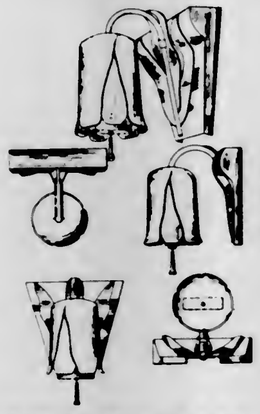
The ornamental design for a serving tray, substantially as shown.

162,633
SUCTION CLEANER CASING
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 20, 1949, Serial No. 5,104
Term of patent 14 years
(Cl. D9—2)



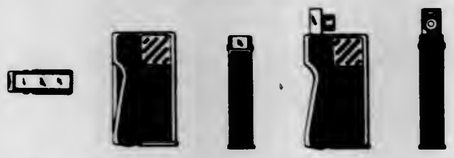
The ornamental design for a suction cleaner casing, substantially as shown and described.

162,634
SOAP HOLDER
Arthur E. Du Bois, Fort Lauderdale, Fla.
Application July 11, 1949, Serial No. 3,834
Term of patent 3½ years
(Cl. D4—3)



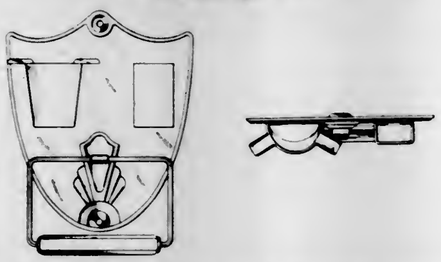
The ornamental design for a soap holder, substantially as shown and described.

162,635
CIGARETTE LIGHTER
Arthur Dubsky, New York, N. Y., assignor to Austam Manufacturing Corp., a corporation of New York
Application November 14, 1950, Serial No. 12,983
Term of patent 14 years
(Cl. D48—27)



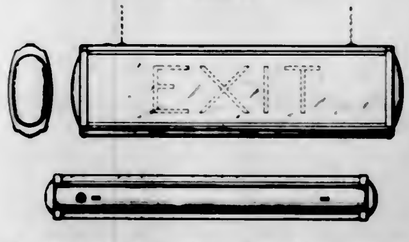
The ornamental design for a cigarette lighter, substantially as shown.

162,636
BATHROOM UTILITY HOLDER
George L. Ellis, Lawndale, Calif.
Application October 17, 1950, Serial No. 12,608
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a bathroom utility holder, as shown.

162,637
ILLUMINABLE SIGN
Walter L. Ernst, Ann Arbor, Mich.
Application November 5, 1949, Serial No. 5,897
Term of patent 7 years
(Cl. D1—12)



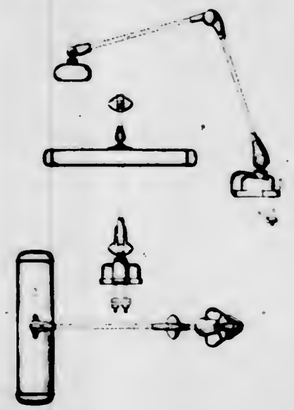
The ornamental design for an illuminable sign, as shown and described.

162,638
COMBINED COASTER AND DRINKING STRAW HOLDER
Herman Feldman, Forest Hills, N. Y.
Application December 23, 1949, Serial No. 6,823
Term of patent 14 years
(Cl. D44—10)

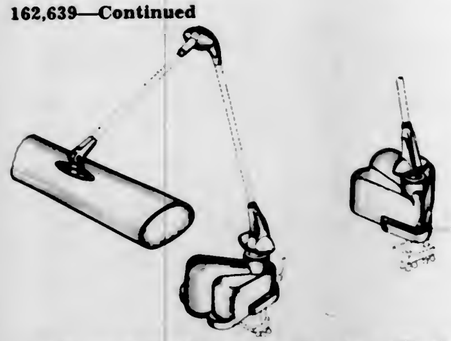


The ornamental design for a combined coaster and drinking straw holder, as shown.

162,639
ADJUSTABLE FLUORESCENT LAMP
Irving Fiori, Chicago, Ill., assignor to Art Specialty Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1950, Serial No. 8,978
Term of patent 14 years
(Cl. D48—20)



162,639—Continued



The ornamental design for an adjustable fluorescent lamp, as shown and described.

162,640
COMPACT
Paul E. Flato, New York, N. Y.
Application July 28, 1950, Serial No. 11,456
Term of patent 7 years
(Cl. D86—10)



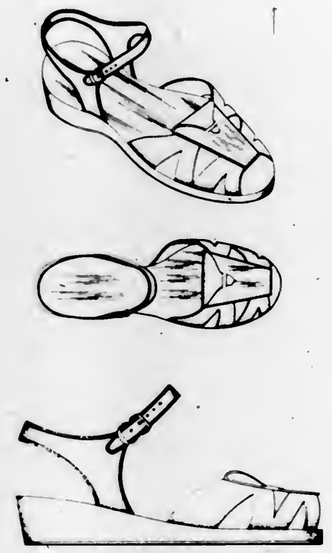
The ornamental design for a compact, substantially as shown.

162,641
LADY'S SHOE
Edith Forschner, New York, N. Y.
Application October 3, 1950, Serial No. 12,430
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a lady's shoe, as shown.

162,642
SHOE
Edith Forschner, New York, N. Y.
Application November 3, 1950, Serial No. 12,838
Term of patent 3½ years
(Cl. D7—7)



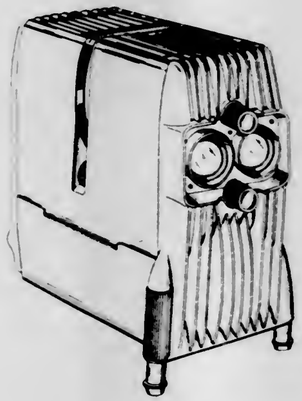
The ornamental design for a shoe, as shown.

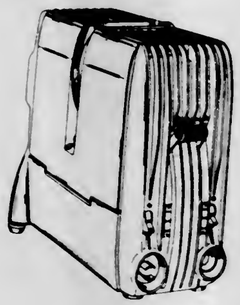
162,643
TOWEL HOLDER OR SIMILAR ARTICLE
Myron Fox, Culver City, Calif.
Application July 1, 1950, Serial No. 10,919
Term of patent 3½ years
(Cl. D4—3)

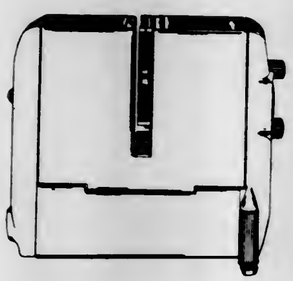


The ornamental design for a towel holder or similar article, substantially as shown.

162,644
PROJECTOR
John N. Graef, West Bend, Wis., assignor to David White Company, Milwaukee, Wis.
Application April 17, 1950, Serial No. 9,281
Term of patent 14 years
(Cl. D61—1)

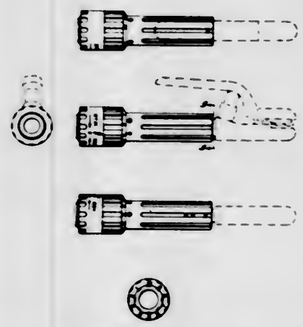






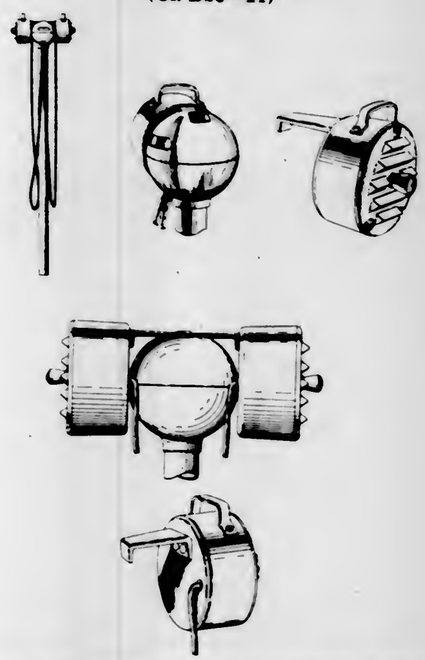
The ornamental design for a projector, substantially as shown.

162,645
ELECTRODE HOLDER
Lawrence O. Green, Cincinnati, Ohio, assignor to The Foster Transformer Company, Cincinnati, Ohio, a corporation of Ohio
Application November 4, 1949, Serial No. 5,859
Term of patent 14 years
(Cl. D26—1)



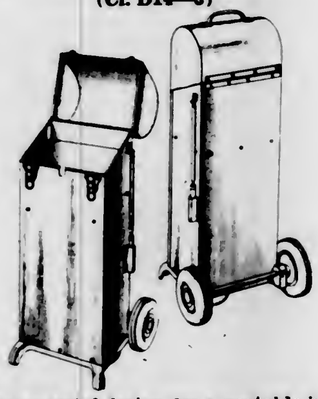
The ornamental design for an electrode holder, substantially as shown and described.

162,646
COMBINED SPEAKER AND SUPPORT THEREFOR
Dana G. Griffin, Fort Worth, Tex.
Application March 23, 1950, Serial No. 8,714
Term of patent 3½ years
(Cl. D26—14)



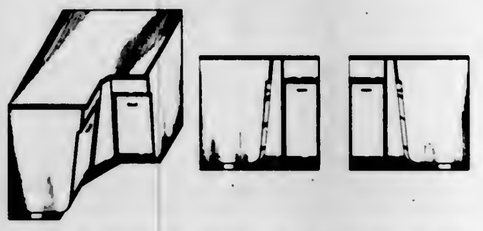
The ornamental design for a combined speaker and support therefor, substantially as shown and described.

162,647
PORTABLE INHALATOR CABINET
John Charles Hallisey, Chicago, Ill.
Application March 2, 1949, Serial No. 1,165
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a portable inhalator cabinet, substantially as shown.

162,648
KITCHEN CABINET
Michael Hallward, Swampscott, Mass., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1950, Serial No. 10,873
Term of patent 14 years
(Cl. D33—13)



The ornamental design for a kitchen cabinet, as shown.

162,649
KITCHEN CABINET
Michael Hallward, Swampscott, Mass., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1950, Serial No. 10,874
Term of patent 14 years
(Cl. D33—19)



The ornamental design for a kitchen cabinet, as shown.

162,650
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 3, 1950, Serial No. 9,659
Term of patent 14 years
(Cl. D59—2)



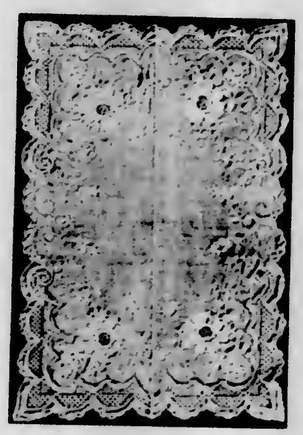
The ornamental design for a place mat or similar article, substantially as shown and described.

162,651
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 3, 1950, Serial No. 9,660
Term of patent 14 years
(Cl. D59—2)



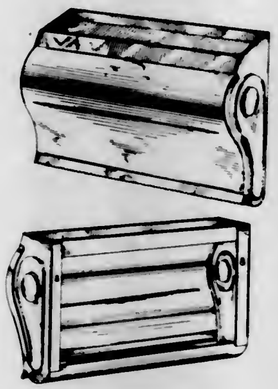
The ornamental design for a place mat or similar article, substantially as shown and described.

162,652
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 8, 1950, Serial No. 9,794
Term of patent 14 years
(Cl. D59—2)



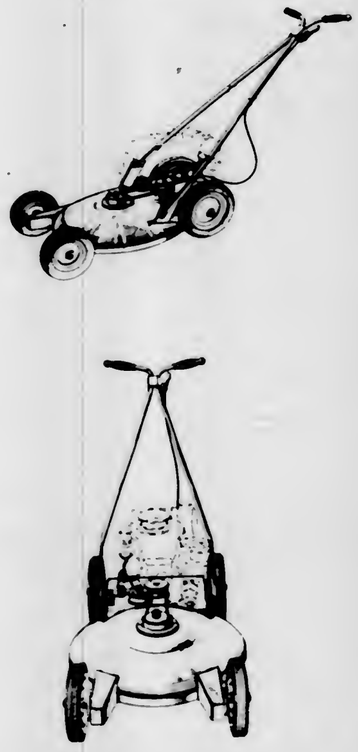
The ornamental design for a place mat, or similar article, substantially as shown and described.

162,653
PAPER ROLL RACK
Patrick J. Healy, Los Angeles, Calif.
Application May 19, 1949, Serial No. 2,739
Term of patent 14 years
(Cl. D4—3)



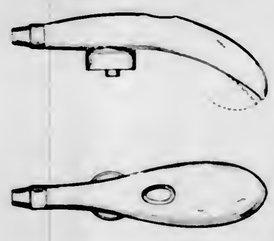
The ornamental design for a paper roll rack, substantially as shown.

162,654
POWER LAWN MOWER
Henry L. Heineke, Springfield, Ill.
Application January 16, 1951, Serial No. 13,831
Term of patent 14 years
(Cl. D40—1)



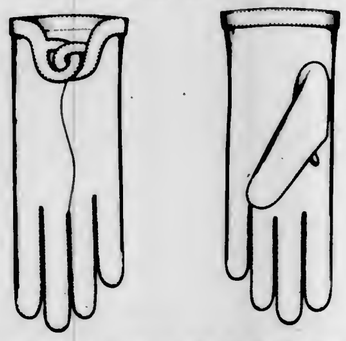
The ornamental design for a power lawn mower, substantially as shown and described.

162,655
COMBINED SPRAYER NOZZLE AND HANDGRIP
Herman P. Heydt, Minneapolis, Minn.
Application September 4, 1948, Serial No. 148,476
Term of patent 14 years
(Cl. D83—1)



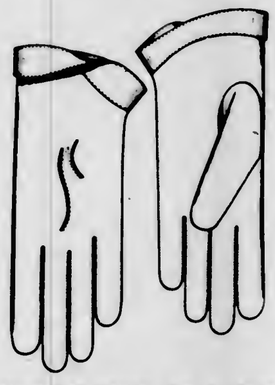
The ornamental design for a combined sprayer nozzle and hand grip, substantially as shown and described.

162,656
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application July 3, 1950, Serial No. 10,937
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown.

162,657
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application July 3, 1950, Serial No. 10,938
Term of patent 3½ years
(Cl. D3—11)

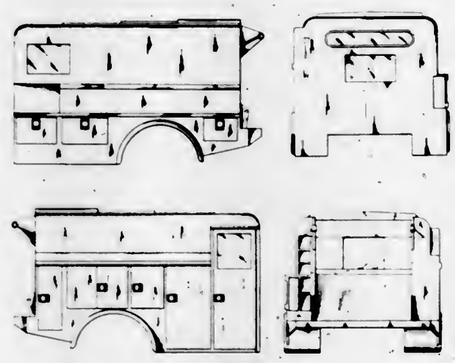


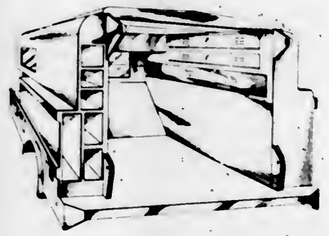
The ornamental design for a glove, substantially as shown.

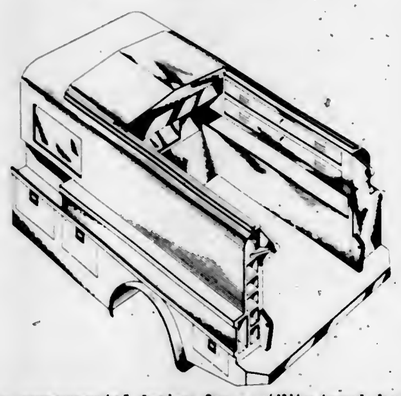
162,658
UTILITY TRUCK BODY
James Howard Holan, Rocky River, and Herman J. Troche, Fairview Village, Ohio, assignors to J. H. Holan Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1948, Serial No. 149,104
Term of patent 14 years
(Cl. D14—3)



162,658—Continued







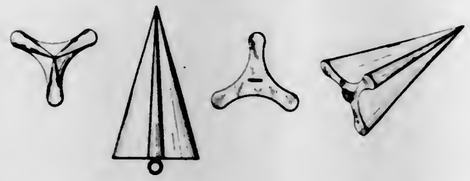
The ornamental design for a utility truck body, substantially as shown and described.

162,659
CORD TERMINAL FOR VENETIAN BLINDS
Frances L. Hooks, Gadsden, Ala.
Application October 7, 1949, Serial No. 5,531
Term of patent 3½ years
(Cl. D21—6)



The ornamental design for a cord terminal for Venetian blinds, as shown.

162,660
FISHLINE SINKER
Fred P. Humphrey, Los Angeles, Calif.
Application January 13, 1950, Serial No. 7,198
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish line sinker, substantially as shown.

162,661
GIRDLE
Mathias Imershein, New York, N. Y., assignor to Graceform-Camlin Corset Co., Inc., New York, N. Y., a corporation of New York
Application November 7, 1950, Serial No. 12,895
Term of patent 14 years
(Cl. D20—2)



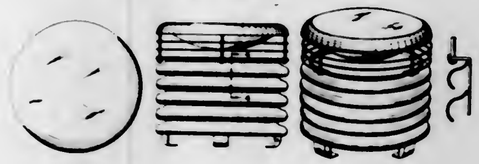
The ornamental design for a girdle, as shown.

162,662
TOY PISTOL
Domenick Ippolito, Glendale, Calif.
Application December 2, 1950, Serial No. 13,247
Term of patent 14 years
(Cl. D34—15)



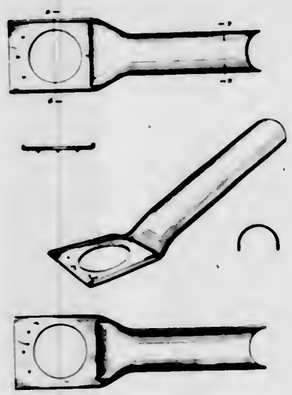
The ornamental design for a toy pistol, as shown.

162,663
AIR CIRCULATOR UNIT
Jacob W. Kisling, St. Louis County, Mo.
Application November 21, 1949, Serial No. 6,179
Term of patent 14 years
(Cl. D26—5)



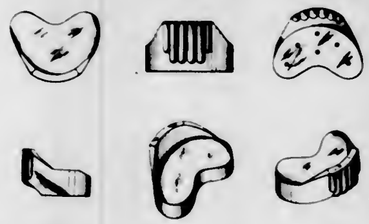
The ornamental design for an air circulator unit, substantially as shown.

162,664
SCREEN STRETCHING IMPLEMENT
Herbert Kleeb, Kenosha, Wis.
Application February 9, 1949, Serial No. 759
Term of patent 3½ years
(Cl. D54—13)



The ornamental design for a screen stretching implement, substantially as shown.

162,665
PROTECTOR FOR A SKATE SHOE
Dudley M. Klein, St. Louis, Mo.
Application June 3, 1949, Serial No. 3,039
Term of patent 7 years
(Cl. D7—5)



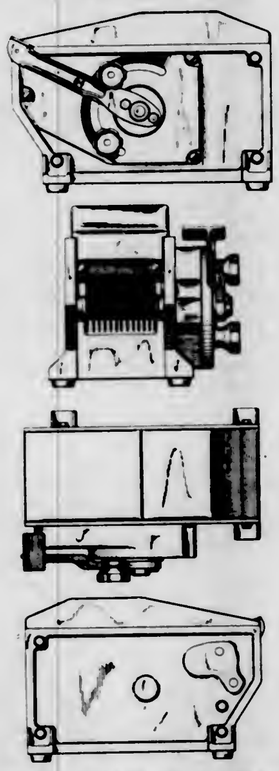
The ornamental design for a protector for a skate shoe, substantially as shown.

162,666
BROOCH OR SIMILAR ARTICLE
Morris Kramer, New York, N. Y.
Application December 29, 1950, Serial No. 13,623
Term of patent 3½ years
(Cl. D45—19)



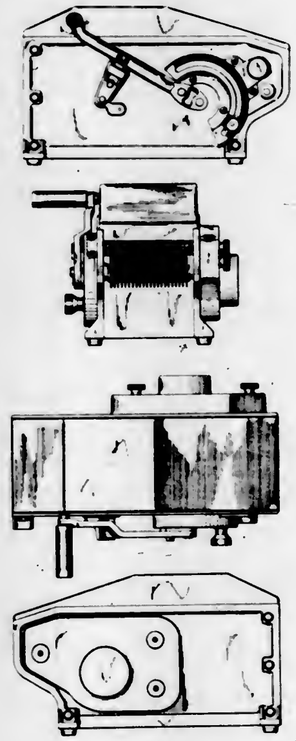
The ornamental design for a brooch or similar article, substantially as shown.

162,667
MACHINE FOR DISPENSING STRIP MATERIAL
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application August 25, 1950, Serial No. 11,931
Term of patent 14 years
(Cl. D74—1)



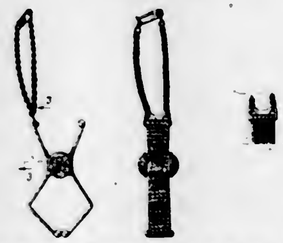
The ornamental design for a machine for dispensing strip material, substantially as shown.

162,668
MACHINE FOR DISPENSING STRIP MATERIAL
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application August 25, 1950, Serial No. 11,932
Term of patent 14 years
(Cl. D74—1)



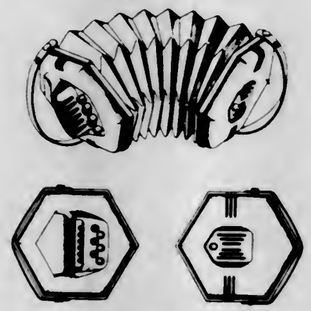
The ornamental design for a machine for dispensing strip material, substantially as shown.

162,669
GLOVE HOLDING ATTACHMENT FOR A HANDBAG OR THE LIKE
David D. Leavy, Brooklyn, N. Y.
Application October 7, 1949, Serial No. 5,353
Term of patent 14 years
(Cl. D87—2)



The ornamental design for a glove holding attachment for a handbag or the like, substantially as shown.

162,670
ACCORDION
Finn H. Magnus, Essex Fells, N. J., assignor to Magnus Harmonica Corporation, Newark, N. J., a corporation of New Jersey
Application March 18, 1950, Serial No. 8,616
Term of patent 14 years
(Cl. D56—1)



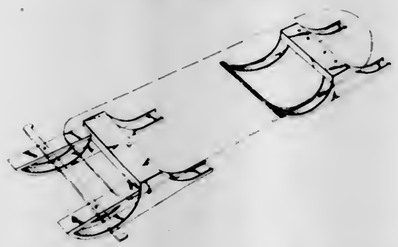
The ornamental design for an accordion, substantially as shown.

162,671
HARMONICA
Finn H. Magnus, Essex Fells, N. J., assignor to Magnus Harmonica Corporation, Newark, N. J., a corporation of New Jersey
Application March 18, 1950, Serial No. 8,617
Term of patent 14 years
(Cl. D56—1)



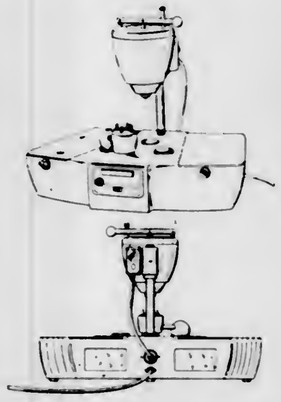
The ornamental design for a harmonica, substantially as shown.

162,672
CHILD'S BOBSLED
Harris McBride, Detroit, Mich.
Application July 9, 1948, Serial No. 147,471
Term of patent 3½ years
(Cl. D34—15)



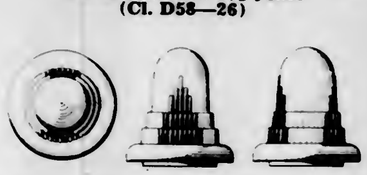
The ornamental design for a child's bobsled, as shown and described.

162,673
BLOCKING DEVICE FOR OPHTHALMIC LENSES
James F. McCarthy, Oaks Corners, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application November 19, 1949, Serial No. 6,159
Term of patent 14 years
(Cl. D57—1)



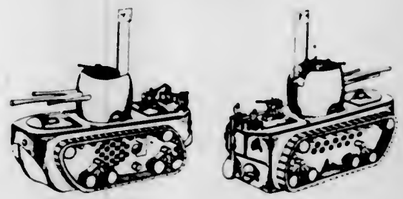
The ornamental design for a blocking device for ophthalmic lenses, substantially as shown.

162,674
COVER FOR A WHIP CREAM DISPENSER VALVE
Fred McDermott, Chicago, Ill.
Application August 16, 1949, Serial No. 4,528
Term of patent 3½ years
(Cl. D58—26)

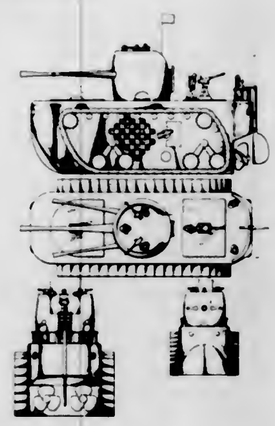


The ornamental design for a cover for a whip cream dispenser valve, as shown.

162,675
RADIO CASE
Manuel E. Mecate and James E. Mecate, Los Angeles, Calif.
Application July 20, 1949, Serial No. 4,044
Term of patent 14 years
(Cl. D56—4)

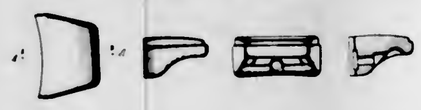


162,675—Continued



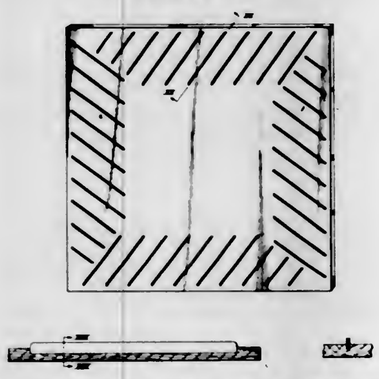
The ornamental design for a radio case, as shown.

162,676
KETTLE HANDLE
Jack Morgan, Chicago, Ill., assignor to The Grigoleit Company, Decatur, Ill., a corporation of Illinois
Application January 12, 1949, Serial No. 202
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a kettle handle, as shown.

162,677
TABLE TOP
Robert K. Morrison, Pittsburgh, Pa.
Application November 5, 1949, Serial No. 5,895
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a table top, as shown.

162,678
LAVATORY FITTING
Peter Muller-Munk, Pittsburgh, Pa., assignor to Eljer Co., Ford City, Pa.
Application June 29, 1948, Serial No. 147,261
Term of patent 14 years
(Cl. D4—3)



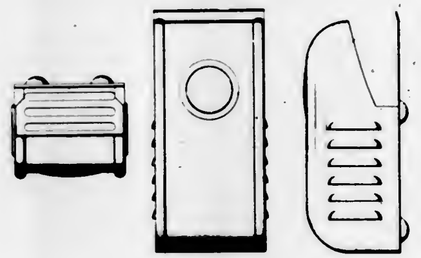
The ornamental design for a lavatory fitting, as shown.

162,679
DEODORIZER OR SIMILAR ARTICLE
Richard A. Munnecke, Pasadena, Calif.
Application September 7, 1949, Serial No. 4,889
Term of patent 3½ years
(Cl. D16—2)



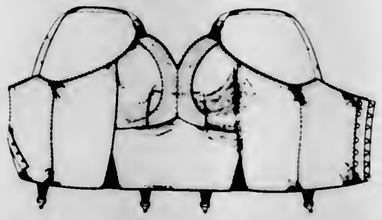
The ornamental design for a deodorizer or similar article, substantially as shown and described.

162,680
OZONE-PRODUCING AND GERM-KILLING APPARATUS CABINET
Irving Naxon, Chicago, Ill.
Application July 29, 1950, Serial No. 11,488
Term of patent 14 years
(Cl. D26—5)



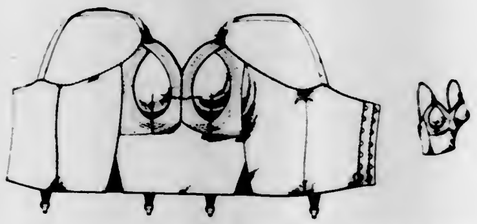
The ornamental design for an ozone-producing and germ-killing apparatus cabinet, as shown.

162,681
BRASSIÈRE OR SIMILAR ARTICLE
Morris Newman, New York, N. Y., assignor to Surprise Brassiere Co., Inc., New York, N. Y., a corporation of New York
Application December 31, 1949, Serial No. 6,947
Term of patent 14 years
(Cl. D20—4)



The ornamental design for a brassière or similar article, as shown.

162,682
BRASSIÈRE OR SIMILAR ARTICLE
Morris Newman, New York, N. Y., assignor to Surprise Brassiere Co. Inc., New York, N. Y., a corporation of New York
Application December 31, 1949, Serial No. 6,948
Term of patent 14 years
(Cl. D20—4)



The ornamental design for a brassière or similar article, as shown.

162,683
MELON PLUGGER KNIFE
Frank M. Ono and Perry T. Oishi, Dayton, Ohio, assignors to Pearl M. Parrett, Dayton, Ohio
Application July 27, 1950, Serial No. 11,438
Term of patent 14 years
(Cl. D22—3)



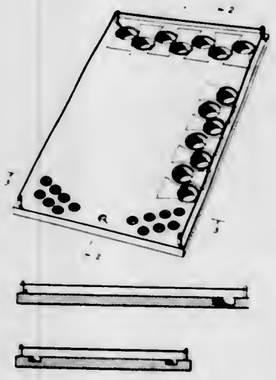
The ornamental design for a melon plugger knife, as shown.

162,684
NARROW FABRIC OR THE LIKE
Siegfried L. Oppenheimer, New York, N. Y.
Application May 4, 1950, Serial No. 9,695
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a narrow fabric or the like, substantially as shown.

162,685
GAME BOARD
Rudolph Pellicone, San Jose, Calif.
Application April 28, 1950, Serial No. 9,536
Term of patent 14 years
(Cl. D34—5)



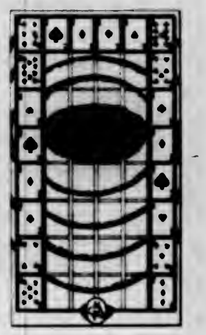
The ornamental design for a game board, as shown.

162,686
CONTROL KNOB
Thorleif H. Petterson, Pasadena, Calif., assignor to Beckman Instruments, Inc., a corporation of California
Application November 17, 1949, Serial No. 6,101
Term of patent 7 years
(Cl. D26—1)



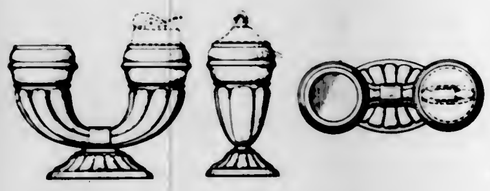
The ornamental design for a control knob, substantially as shown.

162,687
BOARD GAME
Theodore H. Rapoport, Summit, Ill.
Application June 19, 1950, Serial No. 10,628
Term of patent 14 years
(Cl. D34—5)



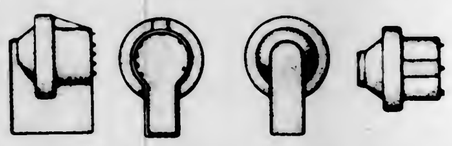
The ornamental design for a board game, as shown and described.

162,688
COMBINED LIGHTER AND CIGARETTE URN
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., North Attleboro, Mass., a corporation of Massachusetts
Application August 4, 1949, Serial No. 4,290
Term of patent 14 years
(Cl. D48—27)



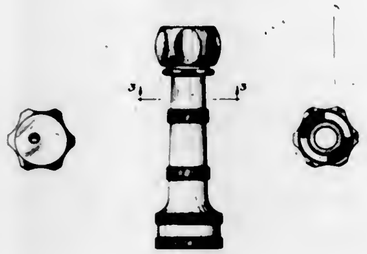
The ornamental design for a combined lighter and cigarette urn, as shown.

162,689
ELECTRICAL TRANSFORMER
John J. Root, New York, N. Y.
Application September 19, 1950, Serial No. 12,254
Term of patent 14 years
(Cl. D26—15)



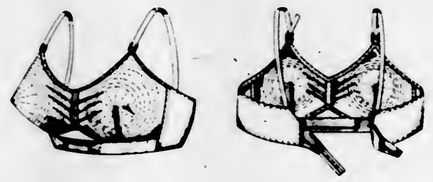
The ornamental design for an electrical transformer, substantially as shown.

162,690
SPRAY NOZZLE
Fred S. Rosenthal, Chicago, Ill.
Application October 19, 1949, Serial No. 5,575
Term of patent 14 years
(Cl. D91—1)



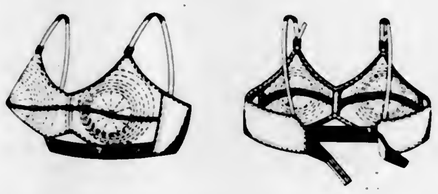
The ornamental design for a spray nozzle, substantially as shown.

162,691
BRASSIÈRE
William Rosenthal, Bayville, N. Y., assignor to Maiden Form Brassiere Company, Inc.
Application April 17, 1950, Serial No. 9,279
Term of patent 14 years
(Cl. D20—4)



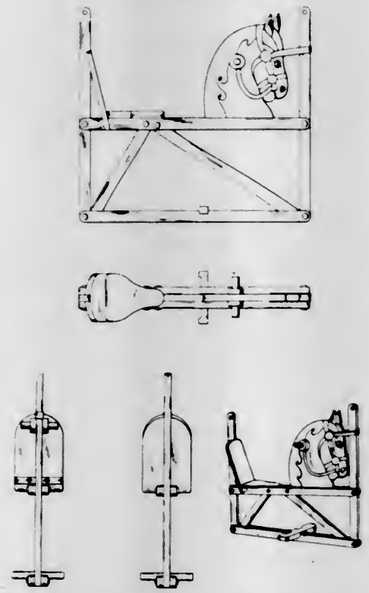
The ornamental design for a brassière, as shown.

162,692
BRASSIÈRE
William Rosenthal, Bayville, N. Y., assignor to Maiden Form Brassiere Company, Inc.
Application April 17, 1950, Serial No. 9,280
Term of patent 14 years
(Cl. D20—4)



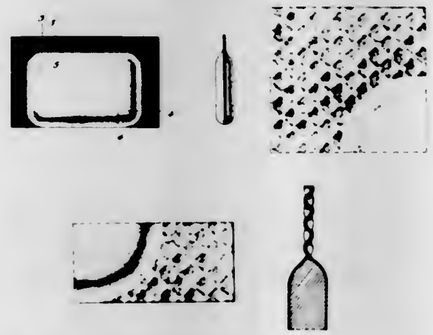
The ornamental design for a brassière, as shown.

162,693
PLAY SWING OR SIMILAR ARTICLE
Rudolph A. St. Louis, Boston, Mass.
Application April 1, 1949, Serial No. 1,745
Term of patent 7 years
(Cl. D34—15)



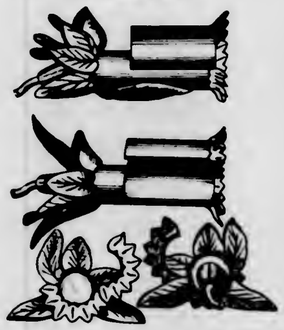
The ornamental design for a play swing or similar article, substantially as shown.

162,694
CROSS CRIMP-SEALED PACKAGE
Leroy L. Salfisberg, South Orange, N. J.; Herman G. Kopald and Lloyd I. Volckening, executors of said Leroy L. Salfisberg, deceased, assignors to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application April 10, 1948, Serial No. 145,630
Term of patent 14 years
(Cl. D58—2)



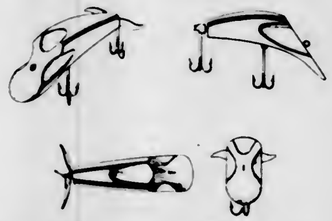
The ornamental design for a cross crimp-sealed package, as shown.

162,695
CASKET
Jeanne Christine M. Soden, Ute Park, N. Mex.
Application May 23, 1950, Serial No. 10,126
Term of patent 14 years
(Cl. D19—1)



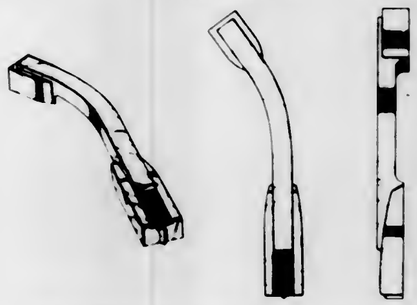
The ornamental design for a casket, as shown.

162,696
FISH LURE
George C. Stauffer, Altoona, Pa.
Application September 5, 1950, Serial No. 12,055
Term of patent 3½ years
(Cl. D31—4)



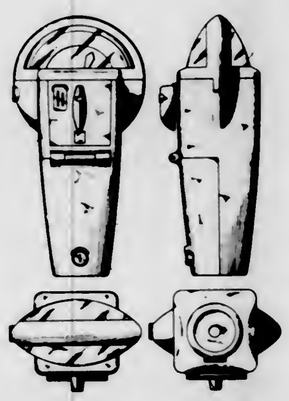
The ornamental design for a fish lure, as shown.

162,697
PHONOGRAPH TONE ARM OR THE LIKE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application December 23, 1950, Serial No. 13,557
Term of patent 14 years
(Cl. D26—14)



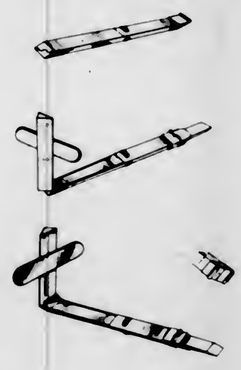
The ornamental design for a phonograph tone arm or the like, substantially as shown.

162,698
PARKING METER CASING
James Teague, Chicago, Ill., assignor to Miller Meters, Inc., Chicago, Ill., a corporation of Illinois
Application October 7, 1950, Serial No. 12,481
Term of patent 14 years
(Cl. D52—3)



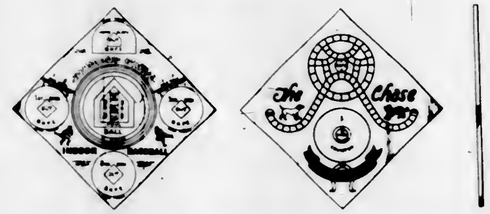
The ornamental design for a parking meter casing, as shown.

162,699
COMBINED CASING, MIRROR, AND LIPSTICK
Harold H. Thornton, New York, N. Y.
Application February 23, 1950, Serial No. 8,073
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a combined casing, mirror, and lipstick, substantially as shown.

162,700
GAME BOARD
Paul E. Wahlberg and Nobel V. Johnson, Pomona, Calif.
Application September 7, 1948, Serial No. 148,493
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a gameboard, as shown and described.

162,701
DECORATIVE PLATE OR SIMILAR ARTICLE
Hazel R. Yankee and Loretta May Faulconer, Independence, Mo.
Application February 14, 1949, Serial No. 834
Term of patent 7 years
(Cl. D44—15)



The ornamental design for a decorative plate or similar article, as shown.

162,702
ATTACHMENT FOR GARMENT HANGER
Samuel L. Yett, Barre, Vt.
Application June 7, 1949, Serial No. 3,100
Term of patent 14 years
(Cl. D33—8)



The ornamental design for an attachment for garment hanger, as shown.

April 3, 1951 Volume 645 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abana Products: *See*—
Pusheck, Herbert W.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 587,166, Apr. 3. Class 39.

Airoller Company, The, Guilford, Conn. Inflatable tubes. Serial No. 581,060, Apr. 3. Class 19.

Aldens, Inc., Chicago, Ill. Metal cooking utensils. Serial No. 589,944, Apr. 3. Class 13.

Aldens, Inc., Chicago, Ill. Women's and misses' wearing apparel. Serial No. 596,547, Apr. 3. Class 39.

Algarve Exportador, Lda., Lisbon, Portugal. Canned anchovies. Serial No. 548,225, Apr. 3. Class 46.

Alkire, Eddie H.: *See*—
Alkire, Elbern H.

Elkire, Elbern H., doing business as E. H. Alkire, Easton, Pa. Ten-stringed steel guitars, steel guitar strings and steels. Serial No. 572,885, Apr. 3. Class 36.

Allied Cloth Specialties, Inc., Greenville, Ohio. Wearing apparel. Serial No. 593,520, Apr. 3. Class 39.

Aluminum Products, Incorporated, Fort Lauderdale, Fla. Folding seats. Serial No. 597,116, Apr. 3. Class 32.

American Airlines, Inc., New York, N. Y. Air transport of passengers and freight. Serial No. 562,242, Apr. 3. Class 105.

American Cystoscope Makers, Inc., New York, N. Y. Otoscopes and components thereof. Serial No. 595,296, Apr. 3. Class 44.

American Distilling Company, The, Pekin, Ill., and New York, N. Y. Grain or ethyl alcohol for beverage purposes. Serial No. 600,248, Apr. 3. Class 49.

American Girl Shoe Co., Boston, assignor to Majestic Shoe Corporation, Lawrence, Mass. Misses' and children's shoes. Serial No. 577,089, Apr. 3. Class 39.

American Khellin Corporation, New York, N. Y. Preparation used as a stimulant of the mammary glands. Serial No. 598,056, Apr. 3. Class 18.

American Meter Company, New York, N. Y. Gas meters and parts of gas meters and calorimeters. Serial No. 541,490, Apr. 3. Class 26.

Anderson, Clayton & Co. (Incorporated), Houston, Tex. Cotton piece goods. Serial No. 587,842, Apr. 3. Class 42.

Anglo Fabrica Company, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 593,902, Apr. 3. Class 42.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Nail polish. Serial No. 590,408, Apr. 3. Class 51.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 575,517, Apr. 3. Class 19.

Associated Painters and Decorators: *See*—
Sollitt, Sumner S.

Atlas Scraper and Engineering Co., Bell, Calif. Road scrapers, rippers, snow plows, etc. Serial No. 573,822, Apr. 3. Class 23.

Atlas Scraper and Engineering Co., Bell, Calif. Road scrapers, rippers, snow plows, etc. Serial No. 573,824, Apr. 3. Class 23.

Avica Corporation, Portsmouth, R. I., by change of name from Avico Incorporated. Flexible hose assemblies. Serial No. 576,680, Apr. 3. Class 35.

Avico Incorporated: *See*—
Avica Corporation.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Steroid substances. Serial No. 594,092, Apr. 3. Class 18.

Bama Company, The, doing business under the name of Houston Foods, Birmingham, Ala. Fruit preserves, jams, jellies, etc. Serial No. 546,175, Apr. 3. Class 46.

Barbizon Corporation, New York, N. Y. Ladies' slips and nightgowns, lounging and bath robes. Serial No. 570,940, Apr. 3. Class 39.

Barlo Shoe Company, Cincinnati, Ohio. Shoes. Serial No. 580,570, Apr. 3. Class 39.

Barnes-Hind Laboratories, Inc., San Francisco, Calif. Sodium para aminosalicylate acid. Serial No. 596,474, Apr. 3. Class 6.

Baruch, John S., doing business as Standard Auto Products Company, Cleveland, Ohio. Bolts and nuts, etc. Serial No. 583,188, Apr. 3. Class 13.

Beauchemin, William A., Newburyport, Mass. Salted popcorn. Serial No. 562,023, Apr. 3. Class 46.

Becker-Weiner Company, Chicago, Ill. Millinery supplies. Serial No. 595,242, Apr. 3. Class 42.

Beckerman, M., & Sons, Inc., New York, N. Y. Children's and misses' shoes. Serial No. 600,806, Apr. 3. Class 39.

Belk's Buying Service, Incorporated, Charlotte, N. C. Men's dress shoes. Serial No. 556,545, Apr. 3. Class 39.

Bell, A., and Company Limited, Northampton, England. Firebricks and glazed tiles. Serial No. 586,509, Apr. 3. Class 12.

Beltx Corporation, St. Louis, Mo. Elastic bands with metal clips. Serial No. 581,854, Apr. 3. Class 40.

Bendix Aviation Corporation, Detroit, Mich., and Teterboro, N. J. Electrical test equipment and apparatus. Serial No. 539,257, Apr. 3. Class 26.

Bercut-Richards Packing Co., Sacramento, Calif. Canned vegetables and canned vegetable juices. Serial No. 504,467, Apr. 3. Class 46.

Best & Co. Inc., New York, N. Y. Children's shoes. Serial No. 582,405, Apr. 3. Class 39.

Bianchini, Ferier, Inc., New York, N. Y. Dress fabrics. Serial No. 595,650, Apr. 3. Class 42.

Booth Fisheries Corporation, Chicago, Ill. Fresh and salted fish. Serial No. 542,529, Apr. 3. Class 46.

Boott Mills, Lowell, Mass. Towels and piece goods. Serial No. 502,942, Apr. 3. Class 42.

Boyd-Richardson Company, St. Louis, Mo. Men's and boys' apparel. Serial No. 595,592, Apr. 3. Class 39.

Brickman, A., Inc., New York, N. Y. Small or pocket-size apparatus for demonstrating motion pictures. Serial No. 585,560, Apr. 3. Class 26.

Brown, H. H., Shoe Co., Inc., Worcester, Mass. Men's and boys' shoes. Serial No. 581,706, Apr. 3. Class 39.

Buildice Company, Inc., Chicago, Ill. Apparatus for creating a thermal reserve by forming ice. Serial No. 591,609, Apr. 3. Class 31.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 595,357, Apr. 3. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 595,708, Apr. 3. Class 42.

Burroughs, Clarence M., Los Angeles, Calif. Plastic housewares simulating chinaware. Serial No. 557,253, Apr. 3. Class 2.

California Hand Prints, Inc., Hermosa Beach, Calif. Acetate and rayon combination fabric. Serial No. 601,662, Apr. 3. Class 42.

Cambridge Instrument Company, Inc., New York, N. Y. Electrocardiograph. Serial No. 580,183, Apr. 3. Class 44.

Carltons Co., Inc., The, New York, N. Y. Children's apparel. Serial No. 592,870, Apr. 3. Class 39.

Carnegie Chemical Mfg. Co., Los Angeles, Calif. Concentrated solution. Serial No. 598,062, Apr. 3. Class 6.

Carnegie, Hattie, Inc., New York, N. Y. Clothing. Serial No. 595,942, Apr. 3. Class 39.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company. Steel structural shapes. Serial No. 599,746, Apr. 3. Class 12.

Carsolite Corporation, doing business as The Madison Laboratories, Chicago, Ill. Ready-mixed metallic paint. Serial No. 520,549, Apr. 3. Class 16.

Carter Publications, Inc., Fort Worth, Tex. Entertainment services. Serial No. 586,137, Apr. 3. Class 107.

Castro Products, Castro Valley, Calif. Adjustable garment hanger mounted in a motor vehicle. Serial No. 586,204, Apr. 3. Class 19.

Century Metalcraft Corporation, Los Angeles, Calif. Cooking and serving utensils. Serial No. 573,406, Apr. 3. Class 13.

Champion Pants Mfg. Co., Inc., New York, N. Y. Slacks. Serial No. 575,192, Apr. 3. Class 39.

Charles of the Ritz, Inc., New York, N. Y. Lipstick and rouge, and refills therefor. Serial No. 586,590, Apr. 3. Class 51.

Charles of the Ritz, Inc., New York, N. Y. Toilet soap. Serial No. 586,591, Apr. 3. Class 52.

Chase Bag Company, Chicago, Ill. Bias sewn burlap or cotton tubing. Serial No. 601,777, Apr. 3. Class 42.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Nail lacquer and lipstick. Serial No. 579,394, Apr. 3. Class 51.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 579,395, Apr. 3. Class 51.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 587,243, Apr. 3. Class 51.

Chicago Mastic Company, Chicago, Ill. Latex type of mastic adhesive cement. Serial No. 598,353, Apr. 3. Class 5.

Cifuentes y Compania, Habana, Cuba. Cigars. Serial No. 559,137, Apr. 3. Class 17.

Claremould Plastics Company, Newark, N. J. Butter dishes, bread trays, serving trays, etc. Serial No. 574,757, Apr. 3. Class 2.

Clark, John, Industries, Inc., San Marcos, Tex. Nutcrackers. Serial No. 571,898, Apr. 3. Class 23.

Cleveland Heater Company, The, Cleveland, Ohio. Anode rods, etc. Serial No. 537,985, Apr. 3. Class 21.

Cluett, Peabody & Co. Inc., Troy, N. Y. Under shorts for men. Serial No. 599,497, Apr. 3. Class 39.

Commercial Laboratories, Inc., Newark, N. Y. Kit for use in home permanent wave. Serial No. 598,161, Apr. 3. Class 44.
Commercial Solvents Corporation, New York, N. Y. Procaine penicillin G. Serial No. 596,264, Apr. 3. Class 18.
Consolidated Cement Corporation, Chicago, Ill. Masonry cement. Serial No. 553,919, Apr. 3. Class 12.
Consolidated Cosmetics, Chicago, Ill. Empty paper boxes. Serial No. 558,701, Apr. 3. Class 2.
Crosley Broadcasting Corporation, Cincinnati, Ohio. Sliding charts. Serial No. 596,331, Apr. 3. Class 38.
Curtis, A. W., Jr., doing business as A. W. Curtis Laboratories, Detroit, Mich. Cologne. Serial No. 600,768, Apr. 3. Class 51.
Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.
D. P. M. Productions, Inc., New York, N. Y. Series of motion picture films. Serial No. 587,794, Apr. 3. Class 26.
Dale Fifth Avenue, Inc., New York, N. Y. Waste-paper baskets, flasks, etc. Serial No. 561,886, Apr. 3. Class 2.
Dale Fifth Avenue, Inc., New York, N. Y. Waste-paper baskets, flasks, etc. Serial No. 561,888, Apr. 3. Class 2.
Danielson, Gideon R., Geneva, Ill. Containers in the form of a plastic tray. Serial No. 494,393, Apr. 3. Class 2.
Dayton Rubber Company, The, Dayton, Ohio. Synthetic rubber compound. Serial No. 590,888, Apr. 3. Class 1.
Decorative Cabinet Corp., doing business under the name and style of E-Z-Do, New York, N. Y. Shadow boxes and wall bric-a-brac shelves. Serial No. 595,361, Apr. 3. Class 32.
Del Russo, J., Inc., New York, N. Y. Lipstick, powder, powder base, etc. Serial No. 576,046, Apr. 3. Class 51.
Diamond Match Company, The, New York, N. Y. Clothespins. Serial No. 608,923, Apr. 3. Class 24.
Diego Zamora Conesa, San Antonio Abad-Cartagena, Spain. Liqueur. Serial No. 577,871, Apr. 3. Class 49.
Duffy-Mott Company, Inc., New York, N. Y. Apple dessert. Serial No. 598,899, Apr. 3. Class 46.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Toothbrushes. Serial No. 597,951, Apr. 3. Class 29.
Dutchess Underwear Corporation, New York, N. Y. Ladies' wearing apparel. Serial No. 597,138, Apr. 3. Class 39.
E-Z-Do: *See*—
Decorative Cabinet Corp.
E-Z Thread Co., New York, N. Y. Shoulder pads. Serial No. 587,718, Apr. 3. Class 40.
Eagle Pencil Company, New York, N. Y. Lead pencils. Serial No. 572,792, Apr. 3. Class 37.
Edouard Perfume Company, Inc., Cleveland, Ohio. Perfume. Serial No. 577,526, Apr. 3. Class 51.
Ely & Walker Dry Goods Company, St. Louis, Mo. Towels and toweling, cotton piece goods, etc. Serial No. 584,724, Apr. 3. Class 42.
Enduro Metal Awning Corporation of America, doing business as Hughes Awning Co., Charleston, W. Va. Aluminum awnings. Serial No. 577,113, Apr. 3. Class 12.
Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. Serial No. 595,882, Apr. 3. Class 32.
Fandee Company, The, Chicago, Ill. Tray and rack-like receptacles. Serial No. 596,088, Apr. 3. Class 2.
Federated Department Stores, Inc., Cincinnati, Ohio. Leather and fabric gloves, and knitted and textile underwear, and hosiery. Serial No. 598,903, Apr. 3. Class 39.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 585,038, Apr. 3. Class 42.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 595,204, Apr. 3. Class 42.
Foster, Melville E., Minneapolis, Minn. Mountings or frames for retaining rolled charts. Serial No. 580,476, Apr. 3. Class 32.
Francis Metal Products, Inc., Fitzwilliam, N. H. Racks or brackets for hanging garments in automobiles. Serial No. 574,095, Apr. 3. Class 19.
Frank-Cerf, Inc., New York, N. Y. Ladies' suits, coats, and skirts. Serial No. 599,236, Apr. 3. Class 39.
Freedom-Valvoline Oil Company, Freedom, Pa. Fluid serving as a power-transmission medium, etc. Serial No. 601,035, Apr. 3. Class 15.
Freez-Pak Corporation, New York, N. Y., assignor to Ionia Manufacturing Company, Ionia, Mich. Compact refrigerator. Serial No. 588,019, Apr. 3. Class 31.
Garfield Preserving Co.: *See*—
Myers, Anna, Pure Foods, Inc.
Gendron Wheel Company, Perrysburg, Ohio. Invalid folding wheel chairs. Serial No. 594,116, Apr. 3. Class 44.
Gibson Quality Hatcheries, Inc., Lexington, Mo. Live baby chicks. Serial No. 590,933, Apr. 3. Class 1.
Given Bros. Shoe Co., El Paso, Tex., assignee of Given Bros. Shoe Co., Ltd. Men's and boys' shoes. Serial No. 565,259, Apr. 3. Class 39.
Given Bros. Shoe Co., Ltd.: *See*—
Given Bros. Shoe Co.
Glensder Textile Corp., New York, N. Y. Scarfs, kerchiefs, necktles, and ascots. Serial No. 591,779, Apr. 30. Class 39.
Gold Star Mattress, Inc., Providence, R. I. Mattresses, box springs and studio couches. Serial No. 587,476, Apr. 3. Class 32.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. Serial No. 529,025, Apr. 3. Class 39.
Goodyear Rubber Company, Middletown, Conn. Rubber boots, pacs, overshoes, etc. Serial No. 557,522, Apr. 3. Class 39.
Gustave Incorporated, New York, N. Y. Slipper socks, booties, indoor and outdoor sandals. Serial No. 573,718, Apr. 3. Class 39.
H. & M. Neckwear Co.: *See*—
Mayer, William.
Hahn, William, & Company, Washington, D. C. Men's, women's and children's shoes. Serial No. 552,374, Apr. 3. Class 39.
Hahn, William, & Company, Washington, D. C. Men's, women's and children's boots and shoes. Serial No. 552,378, Apr. 3. Class 39.
Hal-Hen Company, New York, N. Y. Hearing aid receiver cords and hearing aid receiver cord checkers. Serial No. 590,363, Apr. 3. Class 44.
Hamilton Foundry and Machine Company, The, Hamilton, Ohio. Gray and white iron castings. Serial No. 571,860, Apr. 3. Class 14.
Hammond Research Corporation, Gloucester, Mass. Metal liners for thermic bottles. Serial No. 564,940, Apr. 3. Class 2.
Handcraft Company, The: *See*—
Hiestand, Martha P.
Hansen Manufacturing Company, Inc., Princeton, Ind. Electric clocks. Serial No. 598,794, Apr. 3. Class 27.
Hardman, Rena B., Los Angeles, Calif. Overshoes. Serial No. 568,251, Apr. 3. Class 39.
Harvey Lamps, Inc., Brooklyn, N. Y. Electric lamp shades. Serial No. 578,690, Apr. 3. Class 21.
Hess-Taylor Company, Inc., New York, N. Y. Ladies' and misses' hosiery. Serial No. 587,949, Apr. 3. Class 39.
Hiestand, Martha P., doing business under the firm name of The Handcraft Company, Princeton, Wis. Combined socks and slippers. Serial No. 568,190, Apr. 3. Class 39.
Hildebrandt, Edward, Seattle, Wash. Pie pans. Serial No. 599,513, Apr. 3. Class 13.
Hofheimer's, Inc., Norfolk, Va. Men's, women's and children's shoes. Serial No. 549,318, Apr. 3. Class 39.
Holiday Casuals, Brooklyn, N. Y. Shoes. Serial No. 596,093, Apr. 3. Class 39.
Hollander, S., & Sons, New York, N. Y. Veilings and nettings in the piece, etc. Serial No. 596,425, Apr. 3. Class 42.
Houston Foods: *See*—
Bama Company, The.
Howard Tresses, Inc., New York, N. Y. Hair pieces. Serial No. 563,678, Apr. 3. Class 40.
Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.
Hughes Awning Co.: *See*—
Enduro Metal Awning Corporation of America.
Hydraulic Supply Mfg. Co., Seattle, Wash. Boats. Serial No. 579,191, Apr. 3. Class 19.
Imperial Chemical Industries Limited, London and Millbank, London, England. Nitro-cellulose adhesives, etc. Serial No. 594,777, Apr. 3. Class 5.
Interstate Electric Company, New Orleans, La. Washing machines. Serial No. 609,088, Apr. 3. Class 24.
Ionia Manufacturing Company, assignee: *See*—
Freez-Pak Corporation.
Java Food Products, Inc., Jersey City, N. J. Cocktail wafers or crackers. Serial No. 580,992, Apr. 3. Class 46.
Java Food Products, Inc., Jersey City, N. J. Raw dehydrated chips. Serial No. 584,004, Apr. 3. Class 46.
Kar Valet Company, San Diego, Calif. Clothes hanger rods removably secured for use across the interior of the top of automobiles. Serial No. 583,538, Apr. 3. Class 19.
Key City Wholesale Supply Company: *See*—
Shari Candies, Inc.
King Company, La Jolla, Calif. Cheese, canned herring, cheese sauce, etc. Serial No. 543,721, Apr. 3. Class 46.
Klinkerfues Mfg. Co., St. Paul, Minn. Men's, women's, and children's outer wear garments. Serial No. 568,378, Apr. 3. Class 39.
Kress, S. H., and Company, New York, N. Y. Plain pins and safety pins. Serial No. 592,677, Apr. 3. Class 40.
Kroehler Manufacturing Company, Naperville, Ill. Upholstered davenport bed. Serial No. 590,164, Apr. 3. Class 32.
L. M. S. Co., Ltd., Columbus, Ohio. Stop collars adapted for attachment to rotatable shafts. Serial No. 555,418, Apr. 3. Class 23.
Lancome, S. A., Paris, France. Perfumes, toilet waters, rouges, etc. Serial No. 568,737, Apr. 3. Class 51.
Lapanouse, R., "Rego" Uhr AG., Bubendorf, Balecampagne, Switzerland. Watches and parts of watches. Serial No. 595,668, Apr. 3. Class 27.
Laros Textiles Company, Bethlehem, Pa. Ladies' undergarments. Serial No. 535,717, Apr. 3. Class 39.
Legal Stationery Co., Inc., New York, N. Y. Ruled legal cap paper. Serial No. 555,904, Apr. 3. Class 37.
Lelong, Lucien, Inc., Chicago, Ill. Colognes. Serial No 572,985, Apr. 3. Class 51.
Lewin, Louis, & Sons, Inc., Chicago, Ill., and Clinton, Ind. Men's, women's, boys', and girls' overalls. Serial No. 583,101, Apr. 3. Class 39.
Lifetime Tweezer Co., Inc., Los Angeles, Calif. Tweezers. Serial No. 569,277, Apr. 3. Class 44.
Lip-On Company, Inc., New York, N. Y. Cosmetic products. Serial No. 562,646, Apr. 3. Class 51.

Lowenbaum, R., Manufacturing Company, St. Louis, Mo. Women's, misses', and junior misses' dresses. Serial No. 597,688, Apr. 3. Class 39.
Lundgren, Stanley F., doing business as Op-I'ro, Inc., Minneapolis, Minn. Dental mirrors. Serial No. 591,096, Apr. 3. Class 44.
Madison Laboratories, The: *See*—
Carsolite Corporation.
Majestic Shoe Corporation: *See*—
American Girl Shoe Co.
Mallory Electric Corporation, Detroit, Mich. Carburetors and fuel feed governors. Serial No. 576,000, Apr. 3. Class 23.
Maltine Company, The, Morris Plains, N. J. Pharmaceutical composition. Serial No. 598,535, Apr. 3. Class 18.
Manning, Maxwell & Moore, Incorporated, New York, N. Y. Cases for gauges. Serial No. 587,737, Apr. 3. Class 26.
Martin Fabrics Corporation, New York, N. Y. Textile ribbons. Serial No. 582,439, Apr. 3. Class 42.
Marvel-Lens Industries, Inc., Philadelphia, Pa. Magnifying lenses. Serial No. 588,311, Apr. 3. Class 26.
Marz Laboratories Limited, Windsor, Ontario, Canada. Candy suckers having laxative properties. Serial No. 563,944. Apr. 3. Class 18.
Masket Bros. Sportswear, Inc., New York, N. Y. Ladies' and misses' suits, jackets, skirts, etc. Serial No. 595,078, Apr. 3. Class 39.
Ma Skettino's Spaghetti Sauce, Scranton, Pa. Spaghetti sauce. Serial No. 594,799, Apr. 3. Class 46.
Mayer, William, doing business under the name H. & M. Neckwear Co., New York, N. Y. Cravats. Serial No. 595,729, Apr. 3. Class 39.
Mayfair Mills, Arcadia, S. C. Cotton piece goods. Serial No. 601,935, Apr. 3. Class 42.
Mayol, Peter, Homestead, Fla. Fresh limes. Serial No. 581,534, Apr. 3. Class 46.
McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Protectors for electric circuits. Serial No. 587,899, Apr. 3. Class 21.
McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Protectors for electric circuits. Serial No. 587,963, Apr. 3. Class 21.
Metro Internationale Corporation, New York, N. Y. Hair lotion. Serial No. 593,006, Apr. 3. Class 51.
Meyers & Rosser, Dallas, Tex. Tablets for use in the treatment of iron deficiency anemias. Serial No. 569,764, Apr. 3. Class 18.
Micron Machine Corporation, New York, N. Y. Collapsible, portable arm rest. Serial No. 593,604, Apr. 3. Class 32.
Middlshape Company, Inc., The, Philadelphia, Pa. Men's and boys' trousers and slacks. Serial No. 588,313, Apr. 3. Class 39.
Midwestern Broadcasting Company, Traverse City, Mich. Advertising the goods and services of others. Serial No. 572,441, Apr. 3. Class 101.
Miller and Rhoads, Incorporated, Richmond, Va. Wearing apparel. Serial No. 580,897, Apr. 3. Class 39.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sound recording tape. Serial No. 551,126, Apr. 3. Class 21.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Men's and boys' shoes. Serial No. 571,350, Apr. 3. Class 39.
Modern Chemco, Highwood, Ill. Shampoo. Serial No. 566,092, Apr. 3. Class 52.
Monarch Garment Corp., New York, N. Y. Ladies' and misses' coats, suits and dresses. Serial No. 600,502, Apr. 3. Class 39.
Monarch Garment Corp., New York, N. Y. Ladies' and misses' coats, suits and dresses. Serial No. 600,733, Apr. 3. Class 39.
Motor Economy Products, Inc., Englewood, N. J., and New York, N. Y., assignor to Watson Elevator Company, New York, N. Y. Ventilating apparatus. Serial No. 541,318, Apr. 3. Class 23.
Motor Wheel Corporation, Lansing, Mich. Oil burning space heaters, gas burning space heaters, oil burning basement and floor furnaces, etc. Serial No. 600,904, Apr. 3. Class 34.
Myers, Anna Pure Foods, Inc., doing business as Garfield Preserving Co., Garfield, N. J. Pickles, marmalade and jam. Serial No. 551,907, Apr. 3. Class 46.
Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Composition composed of starch and starch derivatives. Serial No. 599,207, Apr. 3. Class 6.
National Silver Company, New York, N. Y. Silverplated flatware. Serial No. 570,869, Apr. 3. Class 28.
National Silver Company, New York, N. Y. Kitchen knives and butcher knives. Serial No. 602,104, Apr. 3. Class 23.
Navajo Freight Lines, Inc., Los Angeles, Calif. Transportation of freight by truck. Serial No. 597,837, Apr. 3. Class 105.
Niles-Bement-Pond Company, West Hartford, Conn. Milling cutters, burs, and similar metal cutting tools. Serial No. 576,129, Apr. 3. Class 23.
Northfield Milk Products Company, Northfield, Minn. Evaporated milk. Serial No. 599,648, Apr. 3. Class 46.
Nutrilite Products, Inc., Los Angeles, and Buena Park, Calif. Vitamin food supplement and mineral food supplement. Serial No. 592,048, Apr. 3. Class 18.
Ohio Rubber Company, The, Willoughby, Ohio. Rubber and plastic decorative laminate surfacing material. Serial No. 598,269, Apr. 3. Class 12.
Olson, C. M., Cassville, Mo. Entertainment services. Serial No. 545,068, Apr. 3. Class 107.
Op-Pro, Inc.: *See*—
Lundgren, Stanley F.
Orpro Food Products Company, Inc., Los Angeles, Calif. Concentrated apples. Serial No. 564,783, Apr. 3. Class 46.
Package Products Company, Charlotte, N. C. Bags. Serial No. 542,966, Apr. 3. Class 2.
Parlophone Company Limited, The, Hayes, England. Phonograph records. Serial No. 592,720, Apr. 3. Class 36.
Paulson Manufacturing Company: *See*—
Paulson, Thomas V.
Paulson, Thomas V., doing business as Paulson Manufacturing Company, Fallbrook, Calif. Goggles. Serial No. 585,881, Apr. 3. Class 26.
Pearson Pharmacal Company, Inc., New York, N. Y. Antiseptic, cough syrup, etc. Serial No. 601,395, Apr. 3. Class 18.
Pennant Farms, Arvin, Calif. Fresh potatoes. Serial No. 563,131, Apr. 3. Class 46.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Herbicides. Serial No. 570,718, Apr. 3. Class 6.
Pepperell Manufacturing Company, Boston, Mass. Sheets, pillowcases, and blankets. Serial No. 596,047, Apr. 3. Class 42.
Permanente Cement Company, Oakland, Calif. Building cement. Serial No. 587,586, Apr. 3. Class 12.
Perrow Chemical Co.: *See*—
Perrow, Fletcher K., Jr.
Perrow, Fletcher K., Jr., trading as Perrow Chemical Co., Hurt, Va. Industrial finishes. Serial No. 597,778, Apr. 3. Class 12.
Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport and work shirts, etc. Serial No. 593,555, Apr. 3. Class 39.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 596,681, Apr. 3. Class 18.
Pikle-Rite Company, Inc., Pulaski, Wis. Bottled cucumber pickles. Serial No. 575,090, Apr. 3. Class 46.
Pilgrim, V. M., doing business as Sea Island Sails Co., West Los Angeles, Calif. Furniture. Serial No. 543,740, Apr. 3. Class 32.
Plywood Incorporated, Detroit, Mich. Plywood. Serial No. 583,447, Apr. 3. Class 12.
Pollak, Henry, Inc., New York, N. Y. Hat bodies. Serial No. 596,119, Apr. 3. Class 39.
Pollina, Mariano, doing business under the name and style of Ygrene Company, New York, N. Y. Natural nutritional concentrate. Serial No. 589,410, Apr. 3. Class 18.
Pool Manufacturing Company, Sherman, Tex. Dress shirts, overalls, jumpers, etc. Serial No. 594,331, Apr. 3. Class 39.
Popper Watch Co., Inc., New York, N. Y. Watches, watch movements and watch cases. Serial No. 597,696, Apr. 3. Class 27.
Post, Frederick, Company, The, Chicago, Ill. Light-sensitive transparent paper. Serial No. 585,525, Apr. 3. Class 26.
Powers-Samas Accounting Machines Limited, London, England. Accounting machines and parts thereof. Serial No. 598,864, Apr. 3. Class 26.
Pusheck, Herbert W., doing business as Abana Products, Chicago, Ill. Wrapping paper, and envelopes. Serial No. 557,065, Apr. 3. Class 37.
Quality Park Envelope Company, St. Paul, Minn. Paper file pockets and paper wallets. Serial No. 528,229, Apr. 3. Class 37.
Raffold Company of America, Andover, Mass. Inorganic paper filler and paper coating material. Serial No. 581,357, Apr. 3. Class 6.
Rath Packing Company, The, Waterloo, Iowa. Bacon. Serial No. 599,260, Apr. 3. Class 46.
Reynolds-Shaffer Co., Detroit, Mich. Zeolite type water softening apparatus. Serial No. 520,769, Apr. 3. Class 31.
Riemer, Henry J., doing business as U-Tri Laboratories, Flint, Mich. Medicinal ointment. Serial No. 577,688, Apr. 3. Class 18.
Ritter Company, Inc., Rochester, N. Y. Dental, medical, and surgical appliances. Serial No. 584,014, Apr. 3. Class 44.
Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Cigars, cigarettes, smoking tobacco, etc. Serial No. 542,176, Apr. 3. Class 17.
Rogen Manufacturing Co., Inc., New York, N. Y. Slips, panties, pajamas, etc. Serial No. 573,337, Apr. 3. Class 39.
Rosenau Brothers, Inc., Philadelphia, Pa. Children's and girls' dresses, rompers, pinafores, etc. Serial No. 589,919, Apr. 3. Class 39.
Rosenau Brothers, Inc., Philadelphia, Pa. Children's and girls' frocks. Serial No. 589,920, Apr. 3. Class 39.

Rotwitt, Marius, Copenhagen, Denmark. Cosmetic preparations. Serial No. 557,468, Apr. 3. Class 51.
Roxdale Building Products Corporation, New York, N. Y. Rubber and asphalt tile. Serial No. 578,524, Apr. 3. Class 12.
Rudofker's, S., Sons, Inc., Philadelphia, Pa. Boys', youths' and men's coats, pants, veats, and suits. Serial No. 558,812, Apr. 3. Class 39.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned crab meat. Serial No. 567,038, Apr. 3. Class 46.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned Fish. Serial Nos. 567,043–4, Apr. 3. Class 46.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned apple juice. Serial No. 567,657, Apr. 3. Class 46.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned oysters. Serial No. 598,603, Apr. 3. Class 46.
Sagner's, A., Son, Baltimore, Md. Men's suits, sport coats, trousers, etc. Serial No. 575,094, Apr. 3. Class 39.
Ste. Pierre Smirnoff, Fils, Inc., Hartford, Conn. Alcoholic beverage. Serial No. 599,122, Apr. 3. Class 49.
San Anita Blouse, Inc., Philadelphia, Pa. Men's and women's blouses. Serial No. 595,516, Apr. 3. Class 39.
Satin, H. A., & Co., Chicago, Ill. Women's dresses. Serial No. 567,827, Apr. 3. Class 39.
Sayman Products Company, St. Louis, Mo. Soap. Serial No. 598,208, Apr. 3. Class 52.
Seaver, William H., New Brunswick, N. J. Non-alcoholic maltless soft drinks, and extracts and syrups. Serial No. 599,846, Apr. 3. Class 45.
Schenley Distillers Corporation, doing business as Triangle Vineyards, New York, N. Y., and Fresno, Calif., now by change of name Schenley Industries, Inc., doing business as Triangle Vineyards. Wines. Serial No. 537,940, Apr. 3. Class 47.
Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 565,376, Apr. 3. Class 18.
Schild, Arthur A., Farmington, Mo. Electric motor driven bench type trimmer. Serial No. 545,897, Apr. 3. Class 23.
Schoeneman, J., Inc., Baltimore, Md. Coats, veats, trousers, etc. Serial No. 598,681, Apr. 3. Class 39.
Schratter, Alfred, doing business under the name of The Schratter Import Co., New York, N. Y. Cheese. Serial No. 595,917, Apr. 3. Class 46.
Schratter Import Co., The: *See*—
Schratter, Alfred.
Schroeder Piano Galleries, Pittsburgh, Pa. Pianos. Serial No. 593,020, Apr. 3. Class 36.
Scott Radio Laboratories, Inc., Chicago, Ill. Television receiving sets. Serial No. 603,463, Apr. 3. Class 21.
Sea Island Sails Co.: *See*—
Pilgrim, V. M.
Sears, Roebuck and Co., Chicago, Ill. Automobile structural parts and accessories. Serial No. 558,752, Apr. 3. Class 19.
Sears, Roebuck and Co., Chicago, Ill. Electric soldering irons, electric motors, etc. Serial No. 570,517, Apr. 3. Class 21.
Seidlitz Paint & Varnish Co., Kansas City, Mo. Clear varnish. Serial No. 536,151, Apr. 3. Class 16.
Shari Candies, Inc., North Mankato, Minn., assignee of Key City Wholesale Supply Company. Candies and nut meats. Serial No. 521,261, Apr. 3. Class 46.
Shoe Corporation of America, Columbus, Ohio. Women's and children's shoes and hosiery. Serial No. 575,933, Apr. 3. Class 39.
Shur Gloss Mfg. Co., Chicago, Ill. Cleaning compound. Serial Nos. 528,520–1, Apr. 3. Class 52.
Siceloff Manufacturing Company, Inc., Lexington, N. C. Overalls, dungarees, work pants, work shirts, etc. Serial No. 583,822, Apr. 3. Class 39.
Siceloff Manufacturing Company, Inc., Lexington, N. C. Overalls, dungarees, work pants, etc. Serial No. 583,823, Apr. 3. Class 39.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial Nos. 598,682–3, Apr. 3. Class 18.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. Serial Nos. 598,684–5, Apr. 3. Class 18.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial Nos. 598,686–7, Apr. 3. Class 18.
Snower, M., & Company, Chicago, Ill. White duck fabrics and white drill fabrics, etc. Serial Nos. 595,797–8, Apr. 3. Class 42.
Société à Responsabilité Limitée Cobra, Paris, France. Disinfectant, insecticide and fungicide compositions. Serial No. 585,607, Apr. 3. Class 6.
Solitt, Sumner S., doing business as Associated Painters and Decorators, Chicago, Ill. Painting the interior and exterior of buildings. Serial No. 554,821, Apr. 3. Class 103.
Spano: *See*—
Spano, Anthony T.
Spano, Anthony T., doing business as Spano, New York, N. Y. Scalp and hair conditioner and dandruff remover. Serial No. 522,299, Apr. 3. Class 51.
Spiegel, Inc., Chicago, Ill. Women's slacks, skirts, blouses, slips, etc. Serial No. 588,401, Apr. 3. Class 39.
Spraying Systems Co., Bellwood, Ill. Nozzles for spraying liquids. Serial No. 574,550, Apr. 3. Class 13.
Spur Knitting Mills Inc., New York, N. Y. Ladies', misses', children's, infants', and juniors' sweaters; and knitted pantie suits for infants and children. Serial No. 542,361, Apr. 3. Class 39.
Standard Auto Products Company: *See*—
Baruch, John S.
Standard Tool Co., Cleveland, Ohio. Twist drills, chucks, reamers, etc. Serial No. 599,462, Apr. 3. Class 23.
Star Embroidery Corp., Los Angeles, Calif. Wash cloths, towels, towel ensembles and toweling. Serial No. 600,625, Apr. 3. Class 42.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. Serial No. 596,694, Apr. 3. Class 39.
Stoddard, G. S., & Co., Inc., New York, N. Y. Cholagogue and laxative. Serial No. 570,800, Apr. 3. Class 18.
Stoddard, G. S., & Co., Inc., New York, N. Y. Analgesic and antipyretic. Serial No. 570,805, Apr. 3. Class 18.
Suffolk Oil Mill, Incorporated, Suffolk, Va. Edible peanut oil. Serial No. 588,052, Apr. 3. Class 46.
Sure-Fit Products Company, Bethlehem, Pa. Ready-made slip covers for furniture. Serial No. 568,079, Apr. 3. Class 32.
Susan Fashions, Inc., New York, N. Y. Coats and suits for girls and women. Serial No. 599,349, Apr. 3. Class 39.
Svendsen, Helge V., Copenhagen, Denmark. Liver paste en croûte. Serial No. 599,130, Apr. 3. Class 46.
Swissrose Inc., New York, N. Y. Cheese. Serial No. 561,646, Apr. 3. Class 46.
Taft Pharmaceutical Company, Incorporated, New Haven, Conn. Medicinal preparation. Serial No. 598,692, Apr. 3. Class 18.
Takamine Laboratory, Inc., Clifton, N. J. Compound for use in cleaning fabrics. Serial No. 598,763, Apr. 3. Class 52.
Texas Mill & Elevator Co., Abilene, Tex. Feeds. Serial No. 536,174, Apr. 3. Class 46.
Thompson Chemical Co., Pontiac, Ill. Cleaner for carpets, rugs, upholstery, etc. Serial No. 580,695, Apr. 3. Class 52.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oils and greases. Serial No. 578,905, Apr. 3. Class 15.
Townsend Company, New Brighton, Pa. Lock nuts. Serial No. 583,417, Apr. 3. Class 13.
Triangle Vineyards: *See*—
Schenley Distillers Corporation.
Trojan Textile Corp., New York, N. Y. Textile fabrics. Serial No. 596,208, Apr. 3. Class 42.
Trust, Josephine C., Los Angeles, Calif. Circulars, pamphlets, booklets, and books. Serial No. 565,847, Apr. 3. Class 38.
Tuck Manufacturing Company, Brockton, Mass. Hand tools. Serial No. 596,960, Apr. 3. Class 23.
Tucker's, Mrs., Foods, Inc., Sherman, Tex. Oleomargarine, vegetable oil shortening, and cotton seed oil. Serial No. 599,465, Apr. 3. Class 46.
U. M. A. Incorporated, New York, N. Y. Vitamin B_{12}-containing tablets and vitamin B_{12} preparations. Serial No. 597,419, Apr. 3. Class 18.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United States Rubber Company, New York, N. Y. Herbicides, insecticides, and fungicides. Serial No. 537,374, Apr. 3. Class 6.
United States Steel Company: *See*—
Carnegie-Illinois Steel Corporation.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 597,987, Apr. 3. Class 18.
U-Tri Laboratories: *See*—
Riemer, Henry J.
Van Boytham, Stephan, Hollywood, Calif. Individually packaged sterile applicators. Serial No. 579,732, Apr. 3. Class 44.
Victoria-Vogue, Inc., New York, N. Y. Powder puffs. Serial No. 600,095, Apr. 3. Class 29.
Vision Products Co., Inc., Newark, N. J. Sun glasses. Serial No. 567,726, Apr. 3. Class 26.
Walker, Hiram, & Sons, Inc., Detroit, Mich., and Peoria, Ill. Vodka. Serial No. 603,423, Apr. 3. Class 49.
Warner-Hudnut, Inc.: *See*—
Warner, William R., & Co., Inc.
Warner, William R., & Co., Inc., New York, N. Y., now by change of name Warner-Hudnut, Inc. Preparation for treatment of vitamin B deficiencies. Serial No. 598,554, Apr. 3. Class 18.
Watson Elevator Company: *See*—
Motor Economy Products, Inc.
Weinbrenner, Albert H., Co., Milwaukee, Wis. Men's work shoes. Serial No. 578,655, Apr. 3. Class 39.
Welmaid Products, Inc., Chicago, Ill. Ironing table pads and covers. Serial No. 607,834, Apr. 3. Class 24.
Western Materials Company, Chicago, Ill. Siliceous refractory materials. Serial No. 570,397, Apr. 3. Class 12.

Western States Machine Company, The, Salt Lake City, Utah, and Hamilton, Ohio. Mixing and conditioning apparatus. Serial No. 546,916, Apr. 3. Class 23.
Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. Serial No. 565,395, Apr. 3. Class 104.
Whitehall Pharmacal Company, New York, N. Y. Laxative. Serial No. 598,140, Apr. 3. Class 18.
Will-Burt Company, The, Orrville, Ohio. Powered cultivators. Serial No. 587,220, Apr. 3. Class 23.
Winans, C. G., Company, Newark, N. J. Household brooms. Serial Nos. 598,337–8, Apr. 3. Class 29.
Winans, C. G., Company, Newark, N. J. Egg cartons. Serial Nos. 598,339–40, Apr. 3. Class 2.
Winans, C. G., Company, Newark, N. J. Warehouse brooms. Serial No. 598,341, Apr. 3. Class 29.
Wine Growers Guild, Lodi, Calif. Brandy. Serial No. 585,409, Apr. 3. Class 49.
Wocher, H. M., & Son Company, Philadelphia, Pa. Polishes. Serial No. 579,148, Apr. 3. Class 4.
Ygrene Company: *See*—
Pollina, Mariano.
Young Knitting Mills Co., Inc., Glendale, N. Y. Men's, women's, boys', girls', and infants' sweaters, dresses, and jackets. Serial No. 588,072, Apr. 3. Class 39.
Youngstown Grape Distributors, Reedley, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 602,181, Apr. 3. Class 46.
Zaun Garment Corp., New York, N. Y. Teenage girls' dresses, skirts, and blouses. Serial No. 597,427, Apr. 3. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Abercrombie & Fitch Company, New York, N. Y. Watches. 540,344, Apr. 3; Serial No. 576,836, published Jan. 9, 1951. Class 27.
Acker, Miriam C., New York, N. Y. Accessories for the use of cats and dogs. 540,562, Apr. 3; Serial No. 599,918, published Jan. 16, 1951. Class 3.
Adam Hat Stores, Inc., New York, N. Y. Men's hats. 540,422, Apr. 3; Serial No. 584,957, published Dec. 12, 1950. Class 39.
Aktiebolaget Addo, Malmo, Sweden. Bookkeeping machines. 444,458, Apr. 3; Serial No. 521,046, published Nov. 21, 1950. Class 26.
Allied Chemical & Dye Corporation, New York, N. Y. Composition shingles. 540,335, Apr. 3; Serial No. 573,109, published Nov. 14, 1950. Class 12.
Alwin Color and Chemical Company: *See*—
Evans, Frank, Jr.
American Beauty Macaroni Co., The: *See*—
Denver Macaroni & Noodle Co., The.
American Cyanamid Company, New York, N. Y. Bivalent vaccines. 540,507, Apr. 3; Serial No. 594,428, published Jan. 9, 1951. Class 18.
American Cyanamid Company, New York, N. Y. Trivalent vaccines. 540,508, Apr. 3; Serial No. 594,431, published Jan. 9, 1951. Class 18.
American Enka Corporation, Enka, N. C. Rayon yarns. 291,338, Feb. 9, 1932. Republished Apr. 3. Class 43.
American Paulin System, The: *See*—
Munter, Arch F.
American Stores Company, Philadelphia, Pa. Clothes line. 540,461, Apr. 3; Serial No. 590,062, published Dec. 26, 1950. Class 7.
Amoe Notion Co., New York, N. Y. Seam binding. 540,546, Apr. 3; Serial No. 597,995, published Dec. 26, 1950. Class 40.
Andrews, Cynthia, Inc., assignee: *See*—
Quinlan, Kathleen Mary, Inc.
Applied Chemical Corporation, Brooklyn, N. Y. Plasticizers. 444,459, Apr. 3; Serial No. 521,715, published Jan. 2, 1951. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Ladies' handbags and beachbags. 540,512, Apr. 3; Serial No. 594,877, published Jan. 2, 1951. Class 3.
Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Spread comprising cheese, bacon, and other ingredients. 540,266, Apr. 3; Serial No. 532,191, published Jan. 9, 1951. Class 46.
Armour Creameries: *See*—
Armour and Company.
Armstrong Cork Company, Lancaster, Pa. Rubber hot water bottles. 540,370, Apr. 3; Serial No. 579,391, published Dec. 26, 1950. Class 44.
Armstrong Cork Company, Lancaster, Pa. Felt base floor coverings. 540,569, Apr. 3; Serial No. 602,016, published Jan. 2, 1951. Class 20.
Atlas Supply Company, doing business under the name of Magnapix Film Service, Newark, N. J. Developing and processing of cameras film, etc. 540,572, Apr. 3; Serial No. 542,431, published Jan. 9, 1951. Class 106.
Barry, R. G., Corp., Columbus, Ohio. Bandanas or turbans. 540,478, Apr. 3; Serial No. 591,663, published Nov. 28, 1950. Class 39.
Basic Vegetable Products, Inc., Vacaville, Calif. Onion powder. 540,265, Apr. 3; Serial No. 530,915, published Jan. 9, 1951. Class 46.
Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 540,409, Apr. 3; Serial No. 583,314, published Nov. 28, 1950. Class 40.
Batger & Company Limited, London, England. Decorative party favors. 540,308, Apr. 3; Serial No. 564,804, published Nov. 28, 1950. Class 22.
Beasley and Haberle, Jacksonville, Tex. Agitator equipped machinery. 540,416, Apr. 3; Serial No. 584,524, published Dec. 5, 1950. Class 23.
Belk Brothers Company, The, Charlotte, N. C. Men's suits, top coats, leather and cotton jackets, etc. 540,580, Apr. 3; Serial No. 535,218. Class 39.
Beverwyck Breweries, Inc., Albany, N. Y. Ale. 540,403, Apr. 3; Serial No. 583,021, published Dec. 26, 1950. Class 48.
Beverwyck Breweries, Inc., Albany, N. Y. Beer. 540,404–5, Apr. 3; Serial Nos. 583,022–3, published Dec. 26, 1950. Class 48.
Beverwyck Breweries, Inc., Albany, N. Y. Ale. 540,406, Apr. 3; Serial No. 583,025, published Dec. 26, 1950. Class 48.
Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Textile rugs. 540,384, Apr. 3; Serial No. 581,114, published Dec. 26, 1950. Class 42.
Bijur Lubricating Corporation, Long Island City, N. Y. Lubricant tanks and reservoirs. 540,264, Apr. 3; Serial No. 526,189, published Dec. 5, 1950. Class 2.
Bird & Son, inc., East Walpole, Mass. Mineral-surfaced asphalt-saturated felt shingles. 540,598, Apr. 3; Serial No. 581,243. Class 12.
Bliss Syrup & Preserving Co., Kansas City, Mo. Fruit butter, apple butter, and apple-cherry jelly. 540,283, Apr. 3; Serial No. 545,432, published Dec. 5, 1950. Class 46.
Blue Bleach Chemical Co.: *See*—
Paradis, Aime H.
Blue Grass Polish Co.: *See*—
Cooper, John W.
Bonner Packing Co., Fresno, Calif. Dried fruits. 535,487, Dec. 26, 1950. Corrected. O. G. Apr. 3. Class 46.
Boyd-Welsh, Incorporated, St. Louis, Mo. Handbags. 540,435, Apr. 3; Serial No. 586,908, published Dec. 26, 1950. Class 3.
Brenner, Earl E., Dayton, Ohio. Luggage. 444,460, Apr. 3; Serial No. 523,457, published Dec. 5, 1950. Class 3.
Bridges, Ford E., Tulsa, Okla. Denture cleansing and deodorant preparations. 540,589, Apr. 3; Serial No. 562,025. Class 51.
Brown & Bigelow, St. Paul, Minn. Etchings, printed etchings, greeting cards, etc. 283,431, renewed May 26, 1951. O. G. Apr. 3. Class 38.
Buck Bros. Inc., Millbury, Mass. Chisels, gouges, plane irons, etc. 540,300, Apr. 3; Serial No. 558,344, published Dec. 5, 1950. Class 23.
Bulova Watch Company, Inc., New York, N. Y. Wrist watches. 276,911, renewed Oct. 28, 1950. O. G. Apr. 3. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Parts of watches. 540,596, Apr. 3; Serial No. 581,051. Class 27.
Butler Brothers, Chicago, Ill. Sheeting and pillow tubing, mattress covers, etc. 540,314, Apr. 3; Serial No. 567,495, published Dec. 26, 1950. Class 42.
Butler & Cosgrove, San Angelo, Tex. Laxative, aspirin tablets, etc. 151,440, Feb. 7, 1922. Canceled Mar. 2 1951. O. G. Apr. 3. Class 18 (formerly in Class 6).
Buxbaum Company, assignor to The Buxbaum Company, Canton, Ohio. Household rubber mats. 540,427, Apr. 3; Serial No. 585,629, published Dec. 19, 1950. Class 50.
Buxbaum Company, The, assignee: *See*—
Buxbaum Company.
Callahan, John, & Co., Inc., Seattle, Wash. Boiler-cleaning compounds. 60,793, Feb. 19, 1907. Restricted. O. G. Apr. 3. Class 6.
Canfield, A. J., Co., Chicago, Ill. Sparkling water, ginger-ale, root beer, etc. 540,334, Apr. 3; Serial No. 573,027, published Dec. 12, 1950. Class 45.
Capitol Tire Company, Inc., Philadelphia, Pa. White plastic compound. 540,296, Apr. 3; Serial No. 556,948, published Jan. 2, 1951. Class 6.
Carey Salt Company, The, Hutchinson, Kans. Sodium chloride. 540,268, Apr. 3; Serial No. 537,149, published Jan. 9, 1951. Class 6.
Carlson, C. A., Company, to Swedish Produce Company, Chicago, Ill. Cheese. 280,892, renewed Mar. 3, 1951. O. G. Apr. 3. Class 46.

Carran, Grace B., doing business as Central Petroleum Company, to Central Petroleum Company, Cleveland, Ohio. Barn paint, factory paint, house paint, etc. 283,713, renewed June 2, 1951. O. G. Apr. 3. Class 16.

Celotex Corporation, The, Chicago, Ill. Fiber wall board. 366,737, Apr. 25, 1939. Canceled Feb. 26, 1951. O. G. Apr. 3. Class 12.

Central Petroleum Company: *See*—
Carran, Grace B.

Certified Chrome Furniture Co., Inc., Los Angeles, Calif. Metal frame chairs. 540,591, Apr. 3; Serial No. 563,842. Class 32.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat, or board used in stereotyping or electrotyping. 540,501, Apr. 3; Serial No. 593,972, published Dec. 19, 1950. Class 50

Chase Products Co., Maywood, Ill. Ant and roach powder, red squill, liquid ant killer, etc. 540,465, Apr. 3; Serial No. 590,803, published Jan. 9, 1951. Class 6.

Chatham Manufacturing Company, Elkin, N. C. Blankets; suitings; and upholstery fabrics. 540,327, Apr. 3; Serial No. 571,113, published Dec. 26, 1950. Class 42.

Chattanooga Implement & Mfg. Co., Chattanooga, Tenn. Andirons, hearth fenders, fireplace screens, etc. 280,313, renewed Feb. 10, 1951. O. G. Apr. 3. Class 34.

Chemstrand Corporation, The, Philadelphia, Pa. Yarns, threads, and yarn and thread filaments. 540,399, Apr. 3; Serial No. 582,519, published Dec. 19, 1950. Class 43.

Cherry-Burrell Corporation, Chicago, Ill. Pod type vat outlets; can fillers; thermometer holders. 444,455, Apr. 3; Serial No. 485,722, published Dec. 12, 1950. Class 13.

Chicago Paints, Inc., Chicago, Ill. Asbestos roof cement. 540,305, Apr. 3; Serial No. 562,759, published Nov. 7, 1950. Class 12.

Chicago Printed String Company, Chicago, Ill. Tape and ribbon. 540,367–8, Apr. 3; Serial Nos. 578,955–6, published Jan. 16, 1951. Class 7.

Chicago Printed String Company, Chicago, Ill. Crimped ribbon-like tape. 540,563, Apr. 3; Serial No. 600,031, published Nov. 28, 1950. Class 7.

Childers Manufacturing Co., Houston, Tex. Aluminum roofing panels. 540,607, Apr. 3; Serial No. 586,790. Class 12.

Childs' Distributing Company: *See*—
Childs, Ralph C.

Childs, Ralph C., doing business as Childs' Distributing Company, Jonesboro, Ark. Razor blades. 540,419, Apr. 3; Serial No. 584,713, published Jan. 2, 1951. Class 23.

Christine Cosmetics Inc., Princeton, N. J. Cremes, lotions, and tonics for the hair and scalp. 540,373, Apr. 3; Serial No. 579,803, published Jan. 16, 1951. Class 51.

Ciba Limited, Basel, Switzerland. Coal-tar colours; chemical substances. 540,462, Apr. 3; Serial No. 590,547, published Jan. 9, 1951. Class 6.

Clark, C. & J., Limited, Street, England. Boots, shoes, and slippers. 540,599, Apr. 3; Serial No. 582,944. Class 39.

Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic, and germicidal compounds. 279,405, renewed Jan. 13, 1951. O. G. Apr. 3. Class 52.

Cluett, Peabody & Co. Inc., Troy, N. Y. Negligee and dress shirts. 540,442, Apr. 3; Serial No. 587,852, published Nov. 14, 1950. Class 39.

Coblentz Bag Company, Inc., New York, N. Y. Ladies' handbags. 540,415, Apr. 3; Serial No. 584,264, published Jan. 16, 1951. Class 3.

Cockburn & Co. (Leith) Limited, Edinburgh, Scotland, and London, England. Scotch whiskey. 540,341, Apr. 3; Serial No. 575,628, published Dec. 19, 1950. Class 49.

Coco Rico Inc., Santurce and Naguabo, P. R. Non-alcoholic, maltless beverage. 540,398, Apr. 3; Serial No. 582,468, published Apr. 25, 1950. Class 45.

Cohn-Hall-Marx Co., assignor to United Merchants and Manufacturers Inc., New York, N. Y. Piece goods. 540,345, Apr. 3; Serial No. 576,852, published Dec. 26, 1950. Class 42.

Colonial Knife Company, Inc., Providence, R. I. Jack knives. 540,434, Apr. 3; Serial No. 586,792, published Jan. 2, 1951. Class 23.

Colucci, Alice C., doing business under the name Southern Trading Company, New York, N. Y. Wines. 540,509, Apr. 3; Serial No. 594,519, published Jan. 9, 1951. Class 47.

Columbia Products Corporation, Brooklyn, N. Y. Bag or case. 540,547, Apr. 3; Serial No. 598,158, published Dec. 26, 1950. Class 3.

Columbian Carbon Company, New York, N. Y. Particulate carbon. 540,458, Apr. 3; Serial No. 589,839, published Jan. 9, 1951. Class 6.

Columbian Carbon Company, New York, N. Y. Particulate carbon. 540,459, Apr. 3; Serial No. 589,840, published Jan. 2, 1951. Class 6.

Comfort Manufacturing Company, Chicago, Ill. Saponaceous compounds, shaving creams, etc. 284,080, renewed June 16, 1951. O. G. Apr. 3. Class 51.

Commercial Solvents Corporation, New York, N. Y. Insecticides. 540,446, Apr. 3; Serial No. 588,552, published Jan. 9, 1951. Class 6.

Consolidated Leather Mfg. Co., Inc., New York, N. Y. Billfolds. 540,551, Apr. 3; Serial No. 598,708, published Nov. 28, 1950. Class 3.

Consolidated Photo Engravers Equipment Company, Chicago, Ill. Machines for applying coatings to the sides of sheet-like bodies used in printing. 540,542, Apr. 3; Serial No. 597,387, published Jan. 2, 1951. Class 23.

Continental Mills, Inc., Philadelphia, Pa. Men's, women's, boys', etc., overcoats, topcoats, coats, etc. 540,304, Apr. 3; Serial No. 561,376, published Nov. 28, 1950. Class 39.

Cooper, John W., doing business as Blue Grass Polish Co., Lexington, Ky. Furniture polish, automobile polish, silver polish, etc. 540,590, Apr. 3; Serial No. 562,181. Class 4.

Corda Export Co.: *See*—
Einhorn, Simon.

Cott Beverage Corporation, New Haven, Conn., assignee of Cott Beverage Corporation. Nonalcoholic maltless beverages. 540,457, Apr. 3; Serial No. 589,431, published Dec. 19, 1950. Class 45.

Cotter Products Inc., New York, N. Y. Needle threaders. 540,609, Apr. 3; Serial No. 589,195. Class 40.

C-Thru Aluminum Awning Co., Los Angeles, Calif. Metal slat type awnings. 540,593, Apr. 3; Serial No. 574,203. Class 12.

Crawford Manufacturing Co., Inc., Richmond, Va. Seat cover fabrics. 540,365, Apr. 3; Serial No. 578,771, published Dec. 26, 1950. Class 42.

Creamette Company, The, Minneapolis, Minn. Macaroni food. 540,402, Apr. 3; Serial No. 582,894, published Dec. 26, 1950. Class 46.

Cribari, B., & Sons, Fresno, Calif. Wines. 540,338, Apr. 3; Serial No. 574,610, published Dec. 5, 1950. Class 47.

Currigan, Edward B., doing business as Nupave Products Co., Oakland, Calif. Packaged ready mixed asphaltic material. 540,597, Apr. 3; Serial No. 581,061. Class 12.

Cussins and Fearn Company, The, Columbus, Ohio. Measuring rules, tape measures, carpenters' levels, etc. 540,290, Apr. 3; Serial No. 551,861, published Nov. 21, 1950. Class 26.

Cyprus Wine and Spirits Company, Ltd., Limassol, Cyprus. Wines. 444,456, Apr. 3; Serial No. 520,444, published Dec. 26, 1950. Class 47.

Cyprus Wine and Spirits Company, Ltd., Limassol, Cyprus. Brandy, ouzo, gin, etc. 444,457, Apr. 3; Serial No. 520,445, published Dec. 26, 1950. Class 49.

Dale Products Corporation, New York, N. Y. Binoculars. 540,494, Apr. 3; Serial No. 593,584, published Nov. 21, 1950. Class 26.

Da-Lite Screen Company, Inc., Chicago, Ill. Motion picture screens. 540,493, Apr. 3; Serial No. 593,533, published Nov. 21, 1950. Class 26.

Davidson Plywood & Lumber Co., Los Angeles, Calif. Lumber and plywood. 540,356, Apr. 3; Serial No. 577,662, published Jan. 16, 1951. Class 12.

Davis, E. M., & Co., New York, N. Y. Small hangers. 540,385–6, Apr. 3; Serial Nos. 581,407–8, published Jan. 2, 1951. Class 40.

Dayton Company, The, Minneapolis, Minn. Table cloths, napkins, sheets, etc. 540,383, Apr. 3; Serial No. 580,979, published Dec. 26, 1950. Class 42.

Dean's, New York, N. Y. Baked goods. 279,033, renewed Jan. 6, 1951. O. G. Apr. 3. Class 46.

Deco Refreshments Inc., by Deco Restaurants Inc., Buffalo, N. Y. Finger rolls, sandwich rolls, etc. 276,249, Oct. 14, 1930. Republished Apr. 3. Class 46.

Deco Restaurants Inc.: *See*—
Deco Refreshments Inc.

Delano Corporation of America, New York, N. Y. Non-alcoholic, maltless chocolate flavored beverage. 540,343, Apr. 3; Serial No. 576,195, published Apr. 18, 1950. Class 45.

De Luxe Products Corporation, La Porte, Ind. Exhaust manifold attachments for internal combustion engines. 540,276, Apr. 3; Serial No. 541,817, published Dec. 5, 1950. Class 23.

Denkert, M., & Company, Johnstown, N. Y. Baseball gloves and mitts. 540,437, Apr. 3; Serial No. 587,102, published Nov. 28, 1950. Class 22.

Denney, Frances, Philadelphia, Pa. Perfume, cologne, essence, bath powder, etc. 540,604, Apr. 3; Serial No. 586,470. Class 51.

Dent-A-Mide Laboratories, Philadelphia, Pa. Medicinal mouth rinse. 540,369, Apr. 3; Serial No. 579,180, published Jan. 9, 1951. Class 18.

Denver Macaroni & Noodle Co., The, Denver, Colo., by The American Beauty Macaroni Co., Kansas City, Mo. Macaroni, spaghetti, vermicelli, and noodles. 88,250, Sept. 10, 1912. Republished Apr. 3. Class 46.

Deubener's Shopping Bag, Indianapolis, Ind. Shopping bags. 540,582–3, Apr. 3; Serial Nos. 548,939–40. Class 2.

Deubener's Shopping Bag, Indianapolis, Ind. Paper bags. 540,584, Apr. 3; Serial No. 550,587. Class 2.

Dewey and Almy Chemical Company, Cambridge, Mass. Separator plates. 271,165, May 27, 1930. Republished Apr. 3. Class 21.

Diamond Crystal Salt Company, St. Clair, Mich., to General Foods Corporation, New York, N. Y. Salt. 80,465, re-renewed Dec. 27, 1950. O. G. Apr. 3. Class 46.

Dominion Oilcloth & Linoleum Co. Limited, Montreal, Quebec, Canada. Marbleised linoleum, and desk coverings, and marbleised linoleum tiling. 540,316, Apr. 3; Serial No. 567,764, published Dec. 19, 1950. Class 20.

Doscher, Gerard H., doing business as The Granulite Company, Chicago, Ill. Granulated slag. 540,408, Apr. 3; Serial No. 583,248, published Jan. 9, 1951. Class 12.

Double Eagle Bottling Co., Cleveland, Ohio. Ginger beer. 540,535, Apr. 3; Serial No. 596,720, published Nov. 28, 1950. Class 45.

Double Springs Distillers, Inc., Bardstown, Ky. Straight and blended whiskies. 540,256, Apr. 3; Serial No. 498,759, published Jan. 9, 1951. Class 49.

Drewrys Ltd., U. S. A., Inc., South Bend, Ind. Ale. 540,323, Apr. 3; Serial No. 570,546, published Jan. 9, 1951. Class 48.

Duffy, Bernard C., New York, N. Y. Cosmetic creams and toilet lotions. 540,466, Apr. 3; Serial No. 590,890, published Jan. 9, 1951. Class 51.

Dumari Textile Co., Inc., New York, N. Y. Fabrics in the piece. 284,140, renewed June 16, 1951. O. G. Apr. 3. Class 42.

Dunhill, Alfred, Limited, London, England. Billfolds, purses, handbags, etc. 540,389, Apr. 3; Serial No. 581,711, published Dec. 26, 1950. Class 3.

Dunston Ltd., New York, N. Y. Empty jewel boxes. 540,284, Apr. 3; Serial No. 546,570, published July 25, 1950. Class 2.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyes and dyestuffs. 277,938, Dec. 2, 1930. Republished Apr. 3. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Intermediate for dyeing processes. 277,939, Dec. 2, 1930. Republished Apr. 3. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyes and dyestuffs. 277,941, Dec. 2, 1930. Republished Apr. 3. Class 6.

Duquesne Brewing Company of Pittsburg, Pittsburgh, Pa. Beer. 540,489, Apr. 3; Serial No. 592,805, published Dec. 26, 1950. Class 48.

Durene Association of America, New York, N. Y. Yarns. 540,568, Apr. 3; Serial No. 601,982, published Jan. 16, 1951. Class 43.

Durex Products, Inc., New York, N. Y. Rubber vaginal diaphragms. 540,354, Apr. 3; Serial No. 577,524, published July 25, 1950. Class 44.

Eastern States Farmers' Exchange, West Springfield, Mass. Mixed feed. 281,828, Mar. 31, 1931. Republished Apr. 3. Class 46.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 280,009, renewed Feb. 10, 1951. O. G. Apr. 3. Class 6.

Edwal Laboratories, Inc., The, Chicago, Ill. Solution for testing the usefulness of hypo fixing baths. 540,272, Apr. 3; Serial No. 539,400, published Jan. 9, 1951. Class 6.

Einhorn, Simon, doing business as Corda Export Co., New York, N. Y. Watches, clocks, and parts thereof. 540,320, Apr. 3; Serial No. 569,750, published Jan. 9, 1951. Class 27.

Ellena Brothers, Etiwanda, Calif. Wines. 540,260, Apr. 3; Serial No. 519,865, published Jan. 9, 1951. Class 47.

Ellena Brothers, Etiwanda, Calif. Brandy. 540,261, Apr. 3; Serial No. 519,866, published Dec. 19, 1950. Class 49.

Empire Box Corporation, Garfield, N. J. Cartons. 540,483, Apr. 3; Serial No. 592,198, published Dec. 5, 1950. Class 2.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial bait. 279,112, renewed Jan. 6, 1951. O. G. Apr. 3. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial bait. 280,058, renewed Feb. 10, 1951. O. G. Apr. 3. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial bait. 280,952, renewed Mar. 3, 1951. O. G. Apr. 3. Class 22.

Erb, George H., & Son: *See*—
Erb, George S.

Erb, George S., doing business as George H. Erb & Son, East Greenville, Pa. Household and industrial brushes, brooms, mops, etc. 540,302, Apr. 3; Serial No. 559,143, published Jan. 9, 1951. Class 29.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 540,324, Apr. 3; Serial No. 570,549, published Dec. 5, 1950. Class 49.

Escort Laboratories, Inc., Detroit, Mich. Tooth brushes. 540,521, Apr. 3; Serial No. 595,313, published Jan. 9, 1951. Class 29.

Evans, Frank, Jr., doing business as Alwin Color and Chemical Company, Saugus, Mass. Fulling and scouring soaps and detergents. 540,433, Apr. 3; Serial No. 586,782, published Jan. 9, 1951. Class 52.

Eversharp, Inc., Chicago, Ill. Safety razor kits. 540,318, Apr. 3; Serial No. 568,102, published Dec. 26, 1950. Class 23.

Fabergé, Inc., New York, N. Y. Women's hosiery. 540,495, Apr. 3; Serial No. 593,591, published Jan. 9, 1951. Class 39.

Fab-Weld Corporation, Philadelphia, Pa. Dumping hoppers, bases for industrial scales, etc. 540,332, Apr. 3; Serial No. 572,493, published Jan. 9, 1951. Class 23.

Facile Corporation, Paterson, N. J. Ribbons of acetate film and rayon yarn laminated. 540,496, Apr. 3; Serial No. 593,719, published Dec. 26, 1950. Class 7.

Faith Mills, Inc., Averill Park, N. Y. Knit wool, wool-mixed cloth, etc. 283,190, renewed May 19, 1951. O. G. Apr. 3. Class 42.

Fansteel Products Company, Inc., to Vascoloy-Ramet Corporation, North Chicago, Ill. Metals and alloys. 278,762, renewed Dec. 30, 1950. O. G. Apr. 3. Class 14.

Fashion Shop, Inc.: *See*—
Fashion Shop, The.

Fashion Shop, The, by Fashion Shop, Inc., Washington, D. C. Men's, children's, and women's clothing. 268,839–40, Mar. 18, 1930. Republished Apr. 3. Class 39.

Federated Department Stores, Inc., Cincinnati, Ohio. Lawn mowers. 540,553, Apr. 3; Serial No. 598,904, published Dec. 5, 1950. Class 23.

Federated Department Stores, Inc., Cincinnati, Ohio. Trunks. 540,554, Apr. 3; Serial No. 598,905, published Nov. 28, 1950. Class 3.

Felice Bisleri & C., Milan, Italy, and New York, N. Y., by S. A. Felice Bisleri & Cia., Milan, Italy. Medicinal bitters and general tonics. 177,130, Dec. 11, 1923. Republished Apr. 3. Class 18.

Femode Foundations, Inc., New York, N. Y. Ladies' and misses' corsets, corselettes, brassières, etc. 540,616, Apr. 3; Serial No. 597,742. Class 39.

Fielding & Johnson Limited, Leicester, England. Hand knitting and fingering yarns, mending yarns, tapestry yarns, etc. 540,503, Apr. 3; Serial No. 594,029, published Dec. 26, 1950. Class 43.

Fitts Dry Goods Company, Kansas City, Mo. Pillow cases, sheets, and table cloths. 540,326, Apr. 3; Serial No. 570,844, published Dec. 26, 1950. Class 42.

Flamingo Products, Inc., Danville, Ill. Bob pins. 540,567, Apr. 3; Serial No. 601,827, published Jan. 9, 1951. Class 40.

Floralife, Incorporated, Chicago, Ill. Wax emulsion. 540,257, Apr. 3; Serial No. 512,772, published Jan. 18, 1949. Class 6.

Folding Products Mfg. Corp., New York, N. Y. Umbrellas. 540,560, Apr. 3; Serial No. 599,561, published Dec. 26, 1950. Class 41.

Fontaine Perfume Corporation, New York, N. Y. Perfume, toilet water, eau de cologne. 540,363, Apr. 3; Serial No. 578,583, published Jan. 9, 1951. Class 51.

Foster Grant Co., Inc., Leominster, Mass. Combs. 540,564, Apr. 3; Serial No. 600,885, published Dec. 5, 1950. Class 40.

Fran-Stef Manufacturing Company, New York, N. Y. Billfolds and wallets. 540,557–8, Apr. 3; Serial Nos. 599,322–3, published Dec. 26, 1950. Class 3.

Freedman, Leonard, & Sons, New York, N. Y. Artificial leather. 540,471, Apr. 3; Serial No. 591,415, published Dec. 19, 1950. Class 50.

Freeman, Edward, Philadelphia, Pa. Luggage. 540,527, Apr. 3; Serial No. 596,336, published Jan. 16, 1951. Class 3.

French Saxon China Company, The, Sebring, Ohio. Glazed ceramic dishes. 540,518, Apr. 3; Serial No. 595,132, published Dec. 12, 1950. Class 30.

Fulper Pottery Company, Trenton, N. J. Dishes and vases. 540,315, Apr. 3; Serial No. 567,572, published Dec. 12, 1950. Class 30.

Fulton Shirt Co. Inc., New York, N. Y. Shirts. 540,477, Apr. 3; Serial No. 591,617, published Dec. 12, 1950. Class 39.

Galveston-Houston Breweries, Inc., Galveston, Tex. Beer. 540,514–15, Apr. 3; Serial Nos. 594,963–4, published Dec. 19, 1950. Class 48.

Gang, Leopold, Inc., New York, N. Y. Garment interlining. 540,418, Apr. 3; Serial No. 584,627, published Dec. 26, 1950. Class 42.

Garratt-Callahan Co., Chicago, Ill. Soot and carbon scale removing chemical preparation. 386,003, Mar. 25, 1941. Restricted. O. G. Apr. 3. Class 6.

Garratt-Callahan Co., San Francisco, Calif. Compound used for hot-water-circulating systems, etc. 201,615, Aug. 4, 1925. Restricted. O. G. Apr. 3. Class 6.

Garton Toy Company, The, Sheboygan, Wis. Children's pedal cars. 540,447, Apr. 3; Serial No. 588,572, published Nov. 28, 1950. Class 22.

Gary, Lamora S., Honolulu, T. H. Food product. 540,431, Apr. 3; Serial No. 586,750, published Jan. 16, 1951. Class 46.

General Foods Corporation: *See*—
Diamond Crystal Salt Company.

General Grocery Company, Inc., Portland, Oreg. Canned fruits, canned vegetables, coffee, etc. 540,263, Apr. 3; Serial No. 521,446, published Jan. 16, 1951. Class 46.

General Gummed Products, Inc., Richmond Hill, N. Y. Gummed paper tape and gummed cloth tape. 540,374, Apr. 3; Serial No. 579,081, published Jan. 2, 1951. Class 5.

Genesee Brewing Co., Inc., The, Rochester, N. Y. Beer and ale. 540,339, Apr. 3; Serial No. 574,832, published Nov. 28, 1950. Class 48.

Given Manufacturing Company, Los Angeles, Calif. Waste disposal units. 444,294, Oct. 31, 1950. Republished Apr. 3. Class 23.

Glaser, Crandell Co., Chicago, Ill. Fruit preserves, jellies, and marmalades. 540,277, Apr. 3; Serial No. 543,177, published Oct. 10, 1950. Class 46.

Glidden Company, The, Cleveland, Ohio. Lead oxides for use as paint pigments. 279,052, renewed Jan. 6, 1951. O. G. Apr. 3. Class 16.

Globe Laboratories, Fort Worth, Tex. Animal medicines. 540,325, Apr. 3; Serial No. 570,556, published Jan. 2, 1951. Class 18.

Gold Medal Hair Products, Inc., Brooklyn, N. Y. Hair attachments. 540,538, Apr. 3; Serial No. 597,266, published Jan. 16, 1951. Class 40.

Goldsmith Bros., New York, N. Y. Carbon paper and typewriter ribbons. 540,499, Apr. 3; Serial No. 593,918, published Jan. 9, 1951. Class 11.

Goldstone Bros., San Francisco, Calif. Boys' jeans, pants, and trousers. 540,440, Apr. 3; Serial No. 587,438, published Dec. 12, 1950. Class 39.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 540,410, Apr. 3; Serial No. 583,747, published Dec. 26, 1950. Class 42.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 540,411, Apr. 3; Serial No. 583,749, published Dec. 26, 1950. Class 42.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 540,412, Apr. 3; Serial No. 583,751, published Dec. 26, 1950. Class 42.

Gossard, H. W., Co., The, Chicago, Ill. Brassières. 540,441, Apr. 3; Serial No. 587,725, published Sept. 5, 1950. Class 39.

Gould, Barbara, Inc., New York, N. Y. Cleansing cream. 540,545, Apr. 3; Serial No. 597,679, published Jan. 9, 1951. Class 51.

Grand Bag & Paper Co., Inc., New York, N. Y. Waxed and unwaxed paper bags. 540,330, Apr. 3; Serial No. 572,006, published Dec. 5, 1950. Class 2.

Granulite Company, The: *See*—
Doscher, Gerard H.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Scotch peas, yellow split peas, green split peas, etc. 283,006, renewed May 12, 1951. O. G. Apr. 3. Class 46.

Green Spring Co., Inc., The, Newville, Pa., assignee of The Green Spring Co. Frozen trout. 540,258, Apr. 3; Serial No. 516,013, published Dec. 26, 1950. Class 46.

Green Spring Co., The: *See*—
Green Spring Co., Inc., The.

Greensboro Twine Company: *See*—
Yancey, Clement L., Jr.

Grey Hosiery Mills, Bristol, Va. Hosiery for women. 540,271, Apr. 3; Serial No. 539,049, published Jan. 9, 1951. Class 39.

Gutkowsky, Harold W., doing business as Star Garter Co., Chicago, Ill. Rubber baby pants, plastic baby pants, infants' flannel underwear, etc. 540,362, Apr. 3; Serial No. 578,448, published Jan. 9, 1951. Class 39.

Gwaltney, P. D., Jr., & Co. Inc., Smithfield, Va. Cured meats. 284,213, renewed June 16, 1951. O. G. Apr. 3. Class 46.

Haas, Baruch & Co., Los Angeles, Calif. Canned fish, canned fruits, canned vegetables, etc. 279,027, renewed Jan. 6, 1951. O. G. Apr. 3. Class 46.

Hagerty, Francis W., Cohasset, Mass. Chairs and chair kits. 540,608, Apr. 3; Serial No. 587,026. Class 32.

Hall, Thomas J., Indianapolis, Ind. Fishing tackle. 540,445, Apr. 3; Serial No. 588,297, published Nov. 28, 1950. Class 22.

Hammer Company, The, Cleveland, Ohio. Wines. 540,502, Apr. 3; Serial No. 593,985, published Jan. 9, 1951. Class 47.

Hammond Machinery Builders, Inc., Kalamazoo, Mich. Machines for machining printing plates, stereotype plates and the like. 540,307, Apr. 3; Serial No. 563,465, published Nov. 28, 1950. Class 23.

Hammond Research Corporation, Gloucester, Mass. Knives, forks and spoons. 540,552, Apr. 3; Serial No. 598,793, published Dec. 5, 1950. Class 23.

Hartmann Company, Racine, Wis. Trunks. 540,443, Apr. 3; Serial No. 588,172, published Jan. 16, 1951. Class 3.

Hat Corporation of America: *See*—
Knox Hat Company, Inc.

Haviland & Co., Incorporated: *See*—
Haviland, Theodore, & Co. Inc.

Haviland, Theodore, & Co. Inc., New York, N. Y., now by change of name Haviland & Co., Incorporated. Porcelain, china, and vitrified dinnerware. 540,451, Apr. 3; Serial No. 588,801, published Dec. 12, 1950. Class 30.

Hawley Products Company, St. Charles, Ill. Hand luggage. 540,397, Apr. 3; Serial No. 582,425, published Dec. 26, 1950. Class 3.

Heath-Sweetser-Broone Corp.: *See*—
Heath-Sweetser, Inc.

Heath-Sweetser, Inc., New York, N. Y., by Heath-Sweetser-Broone Corp., Philadelphia, Pa., and New York, N. Y. Men's and boys' shirts and collars. 302,195, Apr. 4 1933. Republished Apr. 3. Class 39.

Heath-Sweetser, Inc., New York, N. Y., by Heath-Sweetser-Broone Corp., Philadelphia, Pa., and New York, N. Y. Men's and boys' shirts; and collars. 310,878, Mar. 13, 1934. Republished Apr. 3. Class 39.

Heintz, James C., & Company, Inc., Cleveland, Ohio. Matrices for tire retreading equipment. 540,550, Apr. 3; Serial No. 598,419, published Jan. 2, 1951. Class 23.

Heise, A. R., Inc., doing business as Higrade Industries Co., Hamden and New Haven, Conn. Hack saws, screw drivers, hand drills, etc. 540,278, Apr. 3; Serial No. 544,265, published Jan. 2, 1951. Class 23.

Henequen Industrial, S. de R. L. de C. V. Merida, Yucatan, Mexico. Wrapping twines, binder twine, baler twine, etc. 540,555, Apr. 3; Serial No. 599,171, published Jan. 16, 1951. Class 7.

Heublein, G. F., & Bro., Inc., Hartford, Conn. Wines. 540,401, Apr. 3; Serial No. 582,686, published May 23, 1950. Class 47.

Hewlett-Packard Company, Palo Alto, Calif. Voltmeters. 540,523, Apr. 3; Serial No. 595,778, published Dec. 12, 1950. Class 26.

Hewlett-Packard Company, Palo Alto, Calif. Frequency meters, tachometers, voltmeters and wattmeters. 540,524, Apr. 3; Serial No. 595,780, published Dec. 12, 1950. Class 26.

Higgins Industries, Inc., assignor to Higgins Resources, Inc., New Orleans, La. Mixture of Portland cement and other materials. 540,588, Apr. 3; Serial No. 557,357. Class 12.

Higgins Resources, Inc., assignee: *See*—
Higgins Industries, Inc.

Higrade Industries Co.: *See*—
Heise, A. R., Inc.

Hooker & Sanders, Incorporated, New York, N. Y. Yarns. 540,517, Apr. 3; Serial No. 595,073, published Dec. 12, 1950. Class 43.

Hooker & Sanders, Incorporated, New York, N. Y. Yarns. 540,522, Apr. 3; Serial No. 595,604, published Dec. 12, 1950. Class 43.

Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Twines, cords, ropes, etc. 540,548, Apr. 3; Serial No. 598,182, published Dec. 26, 1950. Class 7.

Hooper, Wm. J., Mfg. Co., The, Baltimore, Md., to The Linen Thread Co., Inc., Paterson, N. J. Twine and cord. 81,462, re-renewed Apr. 11, 1951. O. G. Apr. 3. Class 7.

Horton Garment Co., Horton, Kans. Ladies', misses' and junior misses' two piece sportswear outfits. 540,601, Apr. 3; Serial No. 585,282. Class 39.

Houghton, E. F., & Co., Philadelphia, Pa. Gum used as an assistant in the sizing of textile warps. 284,121, renewed June 16, 1951. O. G. Apr. 3. Class 6.

Hubbard and Company, Pittsburgh, Pa. Tools and similar devices. 540,387, Apr. 3; Serial No. 581,483, published Dec. 5, 1950. Class 23.

Hunt, Rodney, Machine Company, Orange, Mass. Fulling mills. 540,519, Apr. 3; Serial No. 595,211, published Nov. 28, 1950. Class 23.

Hy-Pure Laboratories, Inc., doing business as Peppet Laboratories Distributors, Cincinnati, Ohio. Laxative lozenge. 540,289, Apr. 3; Serial No. 551,453, published Jan. 16, 1951. Class 18.

Imperial Breeding Farms, Ottumwa, Iowa. Poultry. 540,615, Apr. 3; Serial No. 597,275. Class 1.

Imperial Candy Company, Seattle, Wash. Candy. 540,371, Apr. 3; Serial No. 579,421, published Jan. 16, 1951. Class 46.

Italy Laboratories: *See*—
Martino, Antonino R.

Italy Laboratories, Inc.: *See*—
Martino, Antonino R.

Jaeger Company Limited, The, London, England. Yarns. 540,390, Apr. 3; Serial No. 581,772, published Nov. 28, 1950. Class 43.

Jared Holt Company, The, Albany, N. Y. Shoe and leather oils, dressings, and polishes. 281,027, renewed Mar. 10, 1951. O. G. Apr. 3. Class 4.

Jenson & Nicholson Limited: *See*—
Nicholson, John C.

Johnson Belting Company, Inc., New York N. Y. Leather belting. 204,413, Oct. 20, 1925. Republished Apr. 3. Class 35.

Johnson Belting Company, Inc., New York, N. Y. Leather belting. 228,633, June 7, 1927. Republished Apr. 3. Class 35.

Johnson, S. C., & Son, Inc., Racine, Wis. Polish for automobile and like surfaces. 540,618, Apr. 3; Serial No. 602,431. Class 4.

Jordeau, Jean, Inc., South Orange, N. J. Depilatories. 285,923, renewed Aug. 11, 1951. O. G. Apr. 3. Class 51.

Kanmak Textiles Inc., New York, N. Y. Woolen piece goods and piece goods made of wool blended with cotton. 540,322, Apr. 3; Serial No. 570,259, published Dec. 26, 1950. Class 42.

Kaufman, M., & Sons, Corp., New York, N. Y. Mitten guards or securing devices for attaching children's mittens or gloves. 540,525, Apr. 3; Serial No. 596,097, published Jan. 16, 1951. Class 40.

Kelly, Henry, Importing & Distributing Co., Inc., New York, N. Y. Whiskey. 540,281, Apr. 3; Serial No. 545,259, published Nov. 28, 1950. Class 49.

Kendall Company, The, Walpole, Mass. Felt-like or cloth-like sheet materials. 359,067, Aug. 2, 1938. Amended. O. G. Apr. 3. Class 1.

Keyes Fibre Company, Waterville, Maine. Molded pulp packing trays. 540,299, Apr. 3; Serial No. 558,141, published Nov. 28, 1950. Class 2.

Keyes Fibre Company, Waterville and Portland, Maine. Molded pulp packing trays. 540,377, Apr. 3; Serial No. 580,299, published Nov. 28, 1950. Class 2.

Keyes Fibre Company, Portland and Waterville, Maine. Molded pulp cartons. 540,421, Apr. 3; Serial No. 584,910, published Nov. 28, 1950. Class 2.

King Cole Yarn Company: *See*—
Leimgruber, W. R.

King, John, & Son Limited, Glasgow, Scotland. Window hollands, shade cloth, bed sheets, etc. 540,328, Apr. 3; Serial No. 571,219, published Dec. 26, 1950. Class 42.

Kiwi Coders Corporation, Chicago, Ill. Printing apparatus. 540,467, Apr. 3; Serial No. 590,894, published Dec. 12, 1950. Class 23.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 540,520, Apr. 3; Serial No. 595,214, published Nov. 28, 1950. Class 40.

Klik Promotions, Inc., New York, N. Y. Device for attachment to the handle of ladies' handbag. 540,529, Apr. 3; Serial No. 596,498, published Dec. 26, 1950. Class 40.

Knipe, Robert J., doing business as Wissahickon Yarn Company, Jenkintown, Pa. Nylon knitting yarn. 540,511, Apr. 3; Serial No. 594,846, published Nov. 28, 1950. Class 43.

Knox Hat Company, Inc., New York, by Hat Corporation of America, Norwalk, Conn. Hats for men. 280,532, Feb. 17, 1931. Republished Apr. 3. Class 39.

Koneta Products, Wapakoneta, Ohio. Portable or folding bed. 540,594, Apr. 3; Serial No. 574,231. Class 32.

Koppers Company, Inc.: *See*—
Koppers Company, The.

Koppers Company, The, to Koppers Company, Inc., Pittsburgh, Pa. Coke. 279,253, renewed Jan. 13, 1951. O. G. Apr. 3. Class 1.

Kronmann, Emil, Copenhagen, Denmark. Art porcelain and stoneware figures. 540,444, Apr. 3; Serial No. 588,221, published Dec. 19, 1950. Class 50.

Kullman, Salz & Co., San Francisco, Calif., to Monarch Leather Company, Chicago, Ill. Leather. 35,766, re-renewed Jan. 15, 1951. O. G. Apr. 3. Class 1.

Layko, Ross & Co., Inc., Seattle, Wash. Jewelry. 540,309, Apr. 3; Serial No. 565,133, published Jan. 9, 1951. Class 28.

Leggett, Francis H., & Company, New York, N. Y. Canned vegetables, canned fruits, canned fish. 279,384, renewed Jan. 13, 1951. O. G. Apr. 3. Class 46.

Leichter, Emil, New York, N. Y. Watches. 408,878, Aug. 29, 1944. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 27.

Leimgruber, W. R., doing business as King Cole Yarn Company, South Hackensack, N. J. Yarn. 540,484, Apr. 3; Serial No. 592,268, published Oct. 17, 1950. Class 43.

Leroux & Company, Inc., Philadelphia, Pa. Absinthe type of liqueur. 540,394, Apr. 3; Serial No. 582,232, published Jan. 9, 1951. Class 49.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 540,352, Apr. 3; Serial No. 577,196, published Dec. 19, 1950. Class 2.

Lewis-Shepard Products, Inc., Watertown, Mass. Gasoline-powered materials handling trucks and parts thereof. 540,556, Apr. 3; Serial No. 599,184, published Jan. 2, 1951. Class 23.

Licorería Occidental, S. A., Habana, Cuba. Rum. 540,269, Apr. 3; Serial No. 538,302, published Dec. 5, 1950. Class 49.

Lien Chemical Company, Franklin Park, Ill. Scorpion and pest killing chemical. 540,468, Apr. 3; Serial No. 591,243, published Jan. 9, 1951. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Powder in capsule form useful as a diuretic. 282,892, renewed May 5, 1951. O. G. Apr. 3. Class 18.

Linbro Mfg. Corp., The, New York, N. Y. Scarfs. 540,455, Apr. 3; Serial No. 589,263, published Nov. 28, 1950. Class 39.

Linen Thread Co., Inc., The: *See*—
Hooper, Wm. J., Mfg. Co., The.

Lion Match Company, Inc., by Lion Match Company, Inc., New York, N. Y. Matches. 279,621, Jan. 20, 1931. Republished Apr. 3. Class 9.

Liquid Veneer Corporation, Buffalo, N. Y. Liquids for cleaning automobile, steam, or hot-water radiators. 540,353, Apr. 3; Serial No. 577,482, published June 20, 1950. Class 52.

Loewer's Brewery Company, New York, N. Y. Malt beverages. 540,259, Apr. 3; Serial No. 518,959, published Nov. 28, 1950. Class 48.

London & Company, Inc., Elizabeth, N. J. Whiskey. 540,291, Apr. 3; Serial No. 552,153, published Dec. 19, 1950. Class 49.

Longchamps, Inc.: *See*—
Restaurants & Patisseries Longchamps, Inc.

Lowell Manufacturing Co.: *See*—
Lowell Specialty Company of Lowell, Mich.

Lowell Specialty Company of Lowell, Mich., doing business under the name Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill. Manually operated compression sprayers. 540,295, Apr. 3; Serial No. 553,880, published Jan. 2, 1951. Class 23.

Lufkin Rule Co., The, Saginaw, Mich. Tool makers' clamps; pocket screw drivers; drive pin punches, etc. 540,357, Apr. 3; Serial No. 577,893, published Nov. 28, 1950. Class 23.

Madsen Iron Works, assignor to Madsen Iron Works, Inc., Huntington Park, Calif. Asphalt mixing and paving plants and parts therefor. 535,949, Jan. 9, 1951. Corrected. O. G. Apr. 3. Class 23.

Madsen Iron Works, Inc.: *See*—
Madsen Iron Works.

Magnapix Film Service: *See*—
Atlas Supply Company.

Maier Brewing Company, Los Angeles, Calif. Beer. 540,561, Apr. 3; Serial No. 599,834, published Jan. 9, 1951. Class 48.

Maltine Company, The, Morris Plains, N. J. Product for the treatment of chronic constipation. 540,333, Apr. 3; Serial No. 572,851, published Jan. 9, 1951. Class 18.

Maltine Company, The, Morris Plains, N. J. Therapeutic composition. 540,488, Apr. 3; Serial No. 592,505, published Jan. 9, 1951. Class 18.

Manchester Knitted Fashions, Inc., Manchester, N. H. Men's, women's and children's knitted and woven outerwear. 540,472, Apr. 3; Serial No. 591,500, published Nov. 28, 1950. Class 39.

Marioness & Co., Inc., New York, N. Y. Wallets. 540,559, Apr. 3; Serial No. 599,333, published Nov. 28, 1950. Class 3.

Maritime Milling Company, Inc., Buffalo, N. Y. Chicken feed. 284,352, renewed June 23, 1951. O. G. Apr. 3. Class 46.

Markhus and Thomas, Manhattan Beach, Calif. Entertainment services. 540,575, Apr. 3; Serial No. 591,430, published Jan. 9, 1951. Class 107.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's dress and work shirts. 283,717, renewed June 2, 1951. O. G. Apr. 3. Class 39.

Mar-Sha, Inc., Kansas City, Mo. Scalp and hair ointment. 540,378, Apr. 3; Serial No. 580,370, published Dec. 12, 1950. Class 18.

Martino, Antonio R., doing business as Italy Laboratories, to Italy Laboratories, Inc., New York, N. Y. Hair color restorer, etc. 280,177, renewed Feb. 10, 1951. O. G. Apr. 3. Class 51.

Maryland Beverage Company, Inc., Baltimore, Md. Canned fruit flavored beverages. 540,303, Apr. 3; Serial No. 560,909, published Dec. 5, 1950. Class 45.

Maxwell, Leo, Co., Inc., Oklahoma City, Okla. Furniture. 540,587, Apr. 3; Serial No. 554,800. Class 32.

McDowall, A. P., & Co. (Distillers) Limited, Glasgow, Scotland. Rum. 540,379, Apr. 3; Serial No. 580,371, published Dec. 12, 1950. Class 49.

McLaughlin, Beatrice, Newtown Square, Pa. Figurines. 540,470, Apr. 3; Serial No. 591,332, published Dec. 19, 1950. Class 50.

Meadows, W. R., Inc., Elgin, Ill. Construction materials. 284,010, renewed June 9, 1951. O. G. Apr. 3. Class 12.

Medley Distilling Company, Owensboro, Ky. Whiskey. 540,614, Apr. 3; Serial No. 595,079. Class 49.

Meltzer, Henry, doing business under the name of Popcorn Service Company, New York, N. Y. Snacks. 540,273, Apr. 3; Serial No. 539,544, published Dec. 26, 1950. Class 46.

Merke, Alois, Philadelphia, Pa. Hair tonics. 540,460, Apr. 3; Serial No. 590,027, published Jan. 2, 1951. Class 51.

Merrimac Hat Corporation, New York, N. Y., and Amesbury, Mass. Men's, women's and children's hats and hat bodies. 540,428, Apr. 3; Serial No. 585,714, published Nov. 28, 1950. Class 39.

Metalcraft Manufacturing Corporation, Memphis, Tenn. Garbage cans and trash cans. 540,497, Apr. 3; Serial No. 593,737, published Jan. 9, 1951. Class 2.

Met-Cro Specialties Company, Inc., Woodhaven, N. Y. Metal cross bridging. 540,321, Apr. 3; Serial No. 569,763, published Jan. 16, 1951. Class 12.

Meyer, Herbert, New York, N. Y. Silks, rayons, cottons, etc. 540,355, Apr. 3; Serial No. 577,582, published Dec. 26, 1950. Class 42.

Miles, Dr., Medical Company, to Miles Laboratories, Inc., Elkhart, Ind. Anti-acid effervescent preparations. 283,831, renewed June 9, 1951. O. G. Apr. 3. Class 18.

Miles Laboratories, Inc.: *See*—
Miles, Dr., Medical Company.

Milprint, Inc., Milwaukee, Wis. Packaging containers. 540,294, Apr. 3; Serial No. 553,209, published Jan. 2, 1951. Class 2.

Milprint, Inc., Milwaukee, Wis. Commodity and merchandising pouches and bags. 540,337, Apr. 3; Serial No. 573,730, published Jan. 9, 1951. Class 2.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Hot pressed fiber composition board. 540,329, Apr. 3; Serial No. 571,342, published Jan. 9, 1951. Class 12.

Mittermeier, Frank, New York, N. Y. Carving tools. 540,475, Apr. 3; Serial No. 591,578, published Dec. 5, 1950. Class 23.

Modern Food Products Company, San Francisco, Calif. Slippers, boots and shoes. 540,585, Apr. 3; Serial No. 553,781. Class 39.

Monarch Leather Company: *See*—
Kullman, Salz & Co.

Moore, L. H., Canning Company, McAllen, Tex. Canned fruits, canned citrus fruit juices, and canned vegetables. 540,336, Apr. 3; Serial No. 573,670, published Dec. 5, 1950. Class 46.

Moore, P. O., Inc., New York, N. Y. Key filing cabinets. 540,613, Apr. 3; Serial No. 594,980. Class 32.
Mother's Food Products, Inc., Newark, N. J. Gefilte fish. 540,298, Apr. 3; Serial No. 557,620, published Nov. 28, 1950. Class 46.
Mulhens & Kropff, New York, N. Y. Perfumes and toilet water. 45,479, Aug. 22, 1905. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 51 (formerly in Class 6).
Mulhens & Kropff, New York, N. Y. Toilet soap. 45,709, Aug. 29, 1905. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 51 (formerly in Class 4).
Munter, Arch F., doing busines under the name and style of The American Paulin System, Los Angeles, Calif. Altimeters and barometers. 540,491, Apr. 3; Serial No. 593,136, published Nov. 7, 1950. Class 26.
Myerson, Ben, operating as Ben Myerson Candy Co., Los Angeles, Calif. Candy. 540,267, Apr. 3; Serial No. 535,734, published Dec. 19, 1950. Class 46.
Myerson, Ben, Candy Co.: *See*—
Myerson, Ben.
N. W. Buyers & Jobbers, Incorporated, St. Paul, Minn. Men's and boys' outer clothing; etc. 294,404, May 24, 1932. Republished Apr. 3. Class 39.
Nathan Products Corporation, New York, N. Y. Physicians', surgeons' and nurses' professional cases or bags. 540,481, Apr. 3; Serial No. 591,998, published Nov. 28, 1950. Class 3.
National Biscuit Company: *See*—
Vogt, F. G., & Sons, Incorporated.
National Biscuit Company, Jersey City, N. J., and Chicago, Ill., to National Biscuit Company, New York, N. Y. Bakery products and confectionery. 35,662, renewed Dec. 25, 1950. O. G. Apr. 3. Class 46.
National Cash Register Company, The, Dayton, Ohio. Autographic registers. 540,602, Apr. 3; Serial No. 585,295. Class 23.
National Brewing Co., The, Baltimore, Md. Beer. 540,516, Apr. 3; Serial No. 594,982, published Jan. 9, 1951. Class 48.
National Lead Company, Sayreville, N. J., and New York, N. Y. Metal containers. 540,364, Apr. 3; Serial No. 578,700, published Dec. 19, 1950. Class 2.
National Silver Company, New York, N. Y. Stainless steel table cutlery. 540,566, Apr. 3; Serial No. 601,165, published Dec. 12, 1950. Class 23.
Navarro Brothers, El Paso, Tex. Western style outdoor clothing. 540,430, Apr. 3; Serial No. 586,648, published Dec. 12, 1950. Class 39.
Needle Industries Limited, Birmingham, England. Needles. 540,425, Apr. 3; Serial No. 585,541, published Dec. 26, 1950. Class 40.
Neil Products Inc., Los Angeles, Calif. Fruit, berry, butter and vanilla concentrates, etc. 540,313, Apr. 3; Serial No. 567,466, published Dec. 5, 1950. Class 46.
Netz Glove & Mitten Co., Milwaukee, Wis. Dress, work, hunting, etc., leather gloves, and leather mittens. 540,592, Apr. 3; Serial No. 571,987. Class 39.
Newland, Schneeloch & Piek, Inc., New York, N. Y. Glass dinnerware. 540,539, Apr. 3; Serial No. 597,288, published Dec. 12, 1950. Class 33.
New York Air Brake Company, The, Watertown and New York, N. Y. Mechanical engineering advisory services. 540,573, Apr. 3; Serial No. 563,273, published Jan. 9, 1951. Class 100.
Nicholson, John C., Stratford, to Jenson & Nicholson Limited, London, England. Liquid paints, and varnishes. 79,511, re-renewed Sept. 13, 1950. O. G. Apr. 3. Class 16.
Nicoletti, Dominick J., New Rochelle, N. Y. Preparation of body-building elements. 434,885, Dec. 9, 1947. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 18 (formerly in Class 6).
Nielsen, A. C., Company, Chicago, Ill. Apparatus for indicating or recording information. 540,288, Apr. 3; Serial No. 547,756, published Feb. 7, 1950. Class 26.
Norris, John L., Jr., doing business as Vello Products Lyndonville, Vt. Ointment and cold cream. 400,963, Apr. 13, 1943. Republished Apr. 3. Classes 18 and 51.
Nunley, S. Lee, doing business as S. Lee Products & Invigorator Co., Pittsburgh, Pa. Pressing oil, a croquignole oil, a hair tonic, etc. 540,439, Apr. 3; Serial No. 587,142, published Jan. 9, 1951. Class 51.
Nupave Products Co.: *See*—
Currigan, Edward B.
Ohio Valley Bag and Burlap Co., Louisville, Ky. Cotton and burlap bags. 540,513, Apr. 3; Serial No. 594,917, published Dec. 26, 1950. Class 2.
Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 330,721–2, Dec. 10, 1935. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 49.
Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruits. 540,280, Apr. 3; Serial No. 545,030, published Dec. 5, 1950. Class 46.
Oneida Fabrics Corporation, New York, N. Y. Piece goods. 540,366, Apr. 3; Serial No. 578,887, published Dec. 26, 1950. Class 42.
Orange Smile Sirup Company, St. Louis, Mo. Non-alcoholic maltless beverages. 444,461, Apr. 3; Serial No. 523,853, published Dec. 5, 1950. Class 45.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 540,506, Apr. 3; Serial No. 594,422, published Jan. 2, 1951. Class 3.
O-So Grape Co., Chicago, Ill. Liquid concentrate and powder for making soft drinks. 540,534, Apr. 3; Serial No. 596,675, published Nov. 28, 1950. Class 45.
Paas Dye Company, Newark, N. J. Egg-dyes. 82,105, re-renewed May 30, 1951. O. G. Apr. 3. Class 6.
Packard Motor Car Company, Detroit, Mich. Transmissions or power drives and controls and parts thereof for motor vehicles. 540,340, Apr. 3; Serial No. 575,288, published Jan. 2, 1951. Class 23.
Paradis, Aime H., doing business as Blue Bleach Chemical Co., Manchester, N. H. Laundering liquid. 540,576, Apr. 3; Serial No. 507,745. Class 6.
Park & Tilford Distillers, Inc., New York, N. Y. Whiskey. 540,452, Apr. 3; Serial No. 589,110, published Dec. 5, 1950. Class 49.
Parson, Howard D., doing business as Howard D. Parsons Enterprises, Kansas City, Mo. Electrical phonographs and parts thereof and records therefor, etc. 519,369, Dec. 27, 1949. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 21.
Parsons, Howard D., Enterprises: *See*—
Parson, Howard D.
Paschke, George S., Bremerton, Wash. Artificial flowers in the nature of trimmings. 540,476, Apr. 3; Serial No. 591,581, published Nov. 28, 1950. Class 40.
Patons & Baldwins, Inc., New York, N. Y. Wool yarn. 540,530–1, Apr. 3; Serial Nos. 596,516–17, published Dec. 26, 1950. Class 43.
Patons & Baldwins, Inc., New York, N. Y. Knitting pins. 540,532–3, Apr. 3; Serial Nos. 596,518–19, published Dec. 26, 1950. Class 40.
Patricia Petticoat Co. Inc., The, to Rhythm Lingerie, Inc., New York, N. Y. Women's and misses' silk undergarments. 279,879, renewed Feb. 3, 1951. O. G. Apr. 3. Class 39.
Pellisson Pere & Cie, Cognac Charente, France. Brandy. 540,577, Apr. 3; Serial No. 524,205. Class 49.
Penick, S. B., & Company: *See*—
Ph. Chaleyer, Inc.
Pennsylvania Leather Products Company, Troy, Pa. Leather wallets, pocket folders. 540,382, Apr. 3; Serial No. 580,899, published Nov. 28, 1950. Class 3.
Peppet Laboratories Distributors: *See*—
Hy-Pure Laboratories, Inc.
Pereira & Cruz, Limitada, Olhao, Portugal. Canned anchovies. 540,346–7, Apr. 3; Serial Nos. 576,981–2, published Jan. 16, 1951. Class 46.
Perkins Products Company, Chicago, Ill. Non-alcoholic, non-cereal, maltless carbonated and non-carbonated beverages. 540,358, Apr. 3; Serial No. 578,216, published Dec. 19, 1950. Class 45.
Perkins Products Company, Chicago, Ill. Non-alcoholic, non-cereal maltless carbonated and non-carbonated beverages. 540,359, Apr. 3; Serial No. 578,217, published Jan. 9, 1951. Class 45.
Permafuse Corp., The, Garden City, N. Y. Bonding fluid. 540,407, Apr. 3; Serial No. 583,214, published Jan. 2, 1951. Class 5.
Pfeil, Arthur P., Buffalo, N. Y. Umbrellas. 540,500, Apr. 3; Serial No. 593,930, published Dec. 26, 1950. Class 41.
Ph. Chaleyer, Inc., to S. B. Penick & Company, New York, N. Y. Flavoring extracts. 532,147, Oct. 17, 1950. New certificate. O. G. Apr. 3. Class 46.
Piggly Wiggly Corporation, Jacksonville, Fla. Coffee. 281,997, Apr. 7, 1931. Republished Apr. 3. Class 46.
Pioneer Hatchery, Inc., The, Petaluma, Calif. Live baby chickens. 283,000, renewed May 12, 1951. O. G. Apr. 3. Class 1.
Plastic Products Company, Inc., Corpus Christi, Tex. Transparent plastic clothing or garment bags. 540,361, Apr. 3; Serial No. 578,410, published Dec. 5, 1950. Class 2.
Platt Luggage, Inc., Chicago, Ill. Ladies' accessory zipper traveling bags. 540,498, Apr. 3; Serial No. 593,825, published Nov. 28, 1950. Class 3.
Playtime Productions, Inc., Chicago, Ill. Toy. 540,388, Apr. 3; Serial No. 581,612, published Nov. 28, 1950. Class 22.
Pond's Extract Company, New York, N. Y. Combined foundation and face powder. 443,663, Jan. 10, 1950. Republished Apr. 3. Class 51.
Popcorn Service Company: *See*—
Meltzer, Henry.
Precision Golf Products Co., Chicago, Ill. Golf equipment. 540,432, Apr. 3; Serial No. 586,764, published Nov. 28, 1950. Class 22.
Presler Footwear, Inc., New York, N. Y. Ladies', misses', and children's play shoes. 540,605, Apr. 3; Serial No. 586,651. Class 39.
Prince Castle Mfg. Div. Inc., Sterling, Ill. Hand operated food server. 540,342, Apr. 3; Serial No. 575,669, published Jan. 2, 1951. Class 23.
Procter & Gample Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 540,586, Apr. 3; Serial No. 554,043. Class 52.
Producers Creamery Company, Springfield, Mo. Cottage cheese. 282,090, renewed Apr. 7, 1951. O. G. Apr. 3. Class 46.
Pro-Football, Inc., doing business as Washington Redskins, Washington, D. C. Footballs. 540,424, Apr. 3; Serial No. 585,478, published Nov. 28, 1950. Class 22.

Prym, William, Inc., Dayville, Conn. Button and buckle parts. 540,413, Apr. 3; Serial No. 583,887, published Dec. 12, 1950. Class 40.
Quigan, Frank J., Inc., Maspeth, N. Y. Handbag frames. 540,317, Apr. 3; Serial No. 567,879, published Dec. 19, 1950. Class 3.
Quinlan, Kathleen Mary, Inc., assignor to Cynthia Andrews, Inc., New York, N. Y. Hormone cream and hormone oil. 540,544, Apr. 3; Serial No. 597,626, published Jan. 9, 1951. Class 51.
Rathborne, Hair & Ridgway Box Co., assignee: *See*—
Rathborne, Hair & Ridgway Company.
Rathborne, Hair & Ridgway Company, assignor to Rathborne, Hair & Ridgway Box Co., Chicago, Ill. Wooden and fibreboard boxes and crates, and trays. 540,274, Apr. 3; Serial No. 540,106, published Dec. 26, 1950. Class 2.
Reedley Chamber of Commerce, Reedley, Calif. Fresh deciduous fruits. 540,619, Apr. 3; Serial No. 603,700. Class 46.
Restaurants & Patisseries Longchamps, Inc., by Longchamps, Inc., New York, N. Y. Candy, coffee, tea. 356,452, Apr. 26, 1938. Republished Apr. 3. Class 46.
Rex Research Corporation, Toledo, Ohio. Room deodorant. 540,331, Apr. 3; Serial No. 572,377, published Mar. 21, 1950. Class 6.
Rexall Drug Company: *See*—
United Drug Company.
Reybold, Malcolm, New York, N. Y. Game. 540,436, Apr. 3; Serial No. 586,938, published Nov. 28, 1950. Class 22.
Rhythm Lingerie, Inc.: *See*—
Patricia Petticoat Co. Inc.
Rice-Stix Dry Goods Company, to Rice-Stix, Inc., St. Louis, Mo. Cotton piece goods. 82,020, re-renewed May 23, 1951. O. G. Apr. 3. Class 42.
Rice-Stix, Inc.: *See*—
Rice-Stix Dry Goods Company.
Richglow Henna Company: *See*—
Turner, Ann.
Rietz Manufacturing Co., San Francisco, Calif. Food processing equipment. 540,485, Apr. 3; Serial No. 592,337, published Jan. 2, 1951. Class 23.
Risvold, Halward L., Minneapolis, Minn. Shoe laces. 540,536, Apr. 3; Serial No. 596,804, published Dec. 26, 1950. Class 40.
Riverton Lime Company, Inc., by Riverton Lime & Stone Company, Inc., Riverton, Va. Cement, lime, and cement and lime mixtures. 277,836–7, Nov. 25, 1930. Republished Apr. 3. Class 12.
Riverton Lime & Stone Company, Inc.: *See*—
Riverton Lime Company, Inc.
Roche-Organon, Inc., Nutley, N. J. Medicinal preparation. 360,662, Sept. 20, 1938. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 18 (formerly in Class 6).
Roddenbery, W. B., Company, Inc.: *See*—
Roddenbery, Walter B.
Roddenbery, Walter B., to W. B. Roddenbery Company, Inc., Cairo, Ga. Cane syrup. 282,796, renewed May 5, 1951. O. G. Apr. 3. Class 46.
Ron Zorro Distillers: *See*—
Stuart Lloyds, Ltd.
Rossmar Laboratories, Philadelphia, Pa. Antacid preparations. 540,420, Apr. 3; Serial No. 584,874, published Jan. 9, 1951. Class 18.
Rowntree and Company Limited, York, England. Chocolates. 540,448, Apr. 3; Serial No. 588,709, published Dec. 5, 1950. Class 46.
Royal Crystal Salt Company, Salt Lake City, Utah. Salt. 540,275, Apr. 3; Serial No. 540,319, published Nov. 21, 1950. Class 46.
Royal Hair Pin Corporation, New York, N. Y. Hair clips. 540,549, Apr. 3; Serial No. 598,388, pubilshed Dec. 26, 1950. Class 40.
S. A. Chianti Ruffino, Brescia, Italy. Wines. 540,350–1, Apr. 3; Serial Nos. 577,098–9, published Dec. 19, 1950. Class 47.
S. A. Felice Bisleri & Cia.: *See*—
Felice Bisleri & C.
S. Lee Products & Invigorator Co.: *See*—
Nunley, S. Lee.
St. Thomas Inc.: *See*—
Wilkins, E. J., Company.
San Diego Fruit & Produce Company, San Diego, Calif. Fresh apples, pears, peaches, etc. 276,730, renewed Oct. 28, 1950. O. G. Apr. 3. Class 46.
Schmid, Julius, to Julius Schmid, Inc., New York, N. Y. Vaginal diaphragms. 284,083, renewed June 16, 1951. O. G. Apr. 3. Class 44.
Schmid, Julius, Inc.: *See*—
Schmid, Julius.
Schneider Silk Mills Inc., New York, N. Y. Piece goods. 540,380, Apr. 3; Serial No. 580,681, published Dec. 26, 1950. Class 42.
Schneider Silk Mills Inc., New York, N. Y. Piece goods. 540,381, Apr. 3; Serial No. 580,683, published Dec. 26, 1950. Class 42.
Schock, Guamer & Co., Inc., Hoboken, N. J. Lauter tubs. 540,310, Apr. 3; Serial No. 566,894, published Dec. 19, 1950. Class 23.
Schratz Products, Detroit, Mich. Bath oils and bath perfuming compounds. 540,595, Apr. 3; Serial No. 580,264. Class 51.
Schueller, Eugene, Paris, France. Rouge, face cream, hair lotion, hand cream, etc. 540,540–1, Apr. 3; Serial Nos. 597,299–300, published Jan. 9, 1951. Class 51.
Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 540,570, Apr. 3; Serial No. 602,472, published Dec. 26, 1950. Class 40.
Seamless Rubber Company, The, New Haven, Conn. Covers for basketballs, footballs, soccer balls, and other game balls. 540,423, Apr. 3; Serial No. 585,082, published Nov. 28, 1950. Class 22.
Sears, Roebuck and Co., Chicago, Ill. Bust pads. 540,565, Apr. 3; Serial No. 600,986, published Jan. 16, 1951. Class 40.
Sellers and Smith Co., Buffalo, N. Y. Transparent wallpaper coating. 540,579, Apr. 3; Serial No. 532,644. Class 16.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Hose couplings and hose menders. 535,938, Jan. 9, 1951. Corrected. O. G. Apr. 3. Class 13.
Sherwin-Williams Company, The, Cleveland, Ohio. Ready-mixed paint. 540,600, Apr. 3; Serial No. 584,550. Class 16.
Shielana Limited, London, England. Woolen and worsted piece goods, etc. 540,426, Apr. 3; Serial No. 585,606, published Dec. 26, 1950. Class 42.
Shirtcraft Company, Inc., The, New York, N. Y. Shirts. 540,456, Apr. 3; Serial No. 589,343, published Nov. 28, 1950. Class 39.
Shirtcraft Company, Inc., The, New York, N. Y. Negligee shirts, sport shirts, shorts, etc. 540,473, Apr. 3; Serial No. 591,517, published Nov. 28, 1950. Class 39.
Silberston, L., & Sons Limited, Cambridge Heath, London, England. Women's hats. 540,449, Apr. 3; Serial No. 588,713, published Nov. 28, 1950. Class 39.
Simpson Logging Company, Seattle, Wash. Acoustical tile. 540,454, Apr. 3; Serial No. 589,175, published Jan. 9, 1951. Class 12.
Sioux Steel Co., The, Sioux Falls, S. Dak. Stock watering tanks, house tanks, storage tanks, etc. 540,297, Apr. 3; Serial No. 557,316, published Jan. 2, 1951. Class 2.
Skyknit Products, Inc., New York, N. Y. Socks, underwear, hosiery, etc. 540,293, Apr. 3; Serial No. 552,884, published Nov. 14, 1950. Class 39.
Smit, J. K., & Sons, Inc., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J. Diamond bits. 540,480, Apr. 3; Serial No. 591,808, published Dec. 5, 1950. Class 23.
Sociedade Lusitana de Destilação, Limitada, Lisbon, Portugal. Brandy. 540,319, Apr. 3; Serial No. 568,812, published Dec. 19, 1950. Class 49.
Société Anonyme Rey Aîné, Brussels, Belgium. Linen piece goods, cotton piece goods, etc. 279,758, renewed Jan. 20, 1951. O. G. Apr. 3. Class 42.
Societe Lancôme, S. A., Paris, France. Face powder, lipstick, rouge, etc. 540,348, Apr. 3; Serial No. 577,003, published Dec. 12, 1950. Class 51.
Societe Lancôme, S. A., Paris, France. Face powder, lipstick, rouge, etc. 540,349, Apr. 3; Serial No. 577,005, published Dec. 12, 1950. Class 51.
Sohmer & Co.: *See*—
Sohmer, Harry J.
Sohmer & Co. Inc.: *See*—
Sohmer, Harry J.
Sohmer, Harry J., doing business as Sohmer & Co., to Sohmer & Co. Inc., New York, N. Y. Pianos. 284,064, renewed June 16, 1951. O. G. Apr. 3. Class 36.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Brushes. 540,479, Apr. 3; Serial No. 591,751, published Jan. 9, 1951. Class 29.
Southern Biscuit Company, Incorporated, Richmond, Va. Cookies and crackers. 540,463, Apr. 3; Serial No. 590,764, published Nov. 28, 1950. Class 46.
Southern Trading Company: *See*—
Colucci, Alice C.
Southland Beverage Co. Inc., Brooklyn, N. Y. Non-alcoholic maltless soft drink. 540,603, Apr. 3; Serial No. 585,725. Class 45.
Specific Pharmaceuticals, Inc., New York, N. Y. Medicinal or pharmaceutical preparation. 540,510, Apr. 3; Serial No. 594,671, published Jan. 9, 1951. Class 18.
Staley, A. E., Manufacturing Company, Decatur, Ill. Starch for food purposes, etc. 518,119, Nov. 29, 1949. Corrected. O. G. Apr. 3. Class 46.
Standard Lime and Stone Company, The, Martinsburg, W. Va., and Baltimore, Md., to The Standard Lime and Stone Company, Baltimore, Md. Dry mortar. 284,022, renewed June 9, 1951. O. G. Apr. 3. Class 12.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Asphalt, etc. 275,936, renewed Oct. 7, 1950. O. G. Apr. 3. Class 12.
Stanley & Stanley, Incorporated, New York, N. Y. Leather cases. 540,504, Apr. 3; Serial No. 594,152, published Jan. 16, 1951. Class 3.
Star Garter Co.: *See*—
Gutkowsky, Harold W.
Steinwender, Stoffgren & Co., Inc., New York, N. Y. Green coffee. 520,646, Feb. 7, 1950. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 46.
Stephen, Robert, Manufacturing Company, Philadelphia, Pa. Infants' sleeping bag-like covering. 540,578, Apr. 3; Serial No. 531,393. Class 39.
Stewart-Reck Tire and Supply, Inc., Hutchinson, Kans. Rubber tires. 540,606, Apr. 3; Serial No. 586,774. Class 35.

Stitzel-Weller Distillery, Louisville and Shively, Ky. Whiskies. 540,395–6, Apr. 3; Serial Nos. 582,393–4, published Dec. 5, 1950. Class 49.
Storch, Max H., New York, N. Y. Silverplated and sterling silver knives, forks, spoons, etc. 540,610–11, Apr. 3; Serial Nos. 593,192–3. Class 28.
Streator Brick Company, Streator, Ill. Face brick. 283,092, renewed May 19, 1951. O. G. Apr. 3. Class 12.
Stuart Lloyds, Ltd., Philadelphia, Pa., and St. Thomas, V. I., by Ron Zorro Distillers, St. Thomas, V. I. Rum. 392,961, Jan. 20, 1942. Republished Apr. 3. Class 49.
Sunmaster Products Co., San Bruno, Calif. Step-ladders. 540,392, Apr. 3; Serial No. 581,915, published Dec. 19, 1950. Class 50.
Superior Metal Products Company, Philadelphia, Pa., and St. Paul, Minn. Milk cans, dairy pails, and ice cream cans. 540,311, Apr. 3; Serial No. 567,357, published Dec. 12, 1950. Class 2.
Superior Togs Corp., New York, N. Y. Boys' shirts, jackets, and jodhpurs. 540,292, Apr. 3; Serial No. 552,178, published Sept. 26, 1950. Class 39.
Sutherland Paper Company, Kalamazoo, Mich. Collapsible cartons. 540,617, Apr. 3; Serial No. 598,124. Class 2.
Swedish Beer Export Co. Aktiebolag, Goteborg, Sweden. Beer. 540,417, Apr. 3; Serial No. 584,597, published Dec. 5, 1950. Class 48.
Swedish Produce Company: *See*—
Carlson, C. A., Company.
Talon, Inc., Meadville, Pa. Crocheting and knitting yarns. 540,414, Apr. 3; Serial No. 584,089, published Dec. 26 1950. Class 43.
Teb Mfg. Co., Inc., Springfield, Mass. All types of elbows, T's, adapters, etc. 540,372, Apr. 3; Serial No. 579,637, published Jan. 16, 1951. Class 13.
Technicon Cardiograph Corporation, New York, N. Y. Oscilloscopes. 540,393, Apr. 3; Serial No. 582,069, published Jan. 2, 1951. Class 44.
Terry Company, Inc., The, Asheville, N. C. Ladies' handbags. 540,571, Apr. 3; Serial No. 602,652, published Jan. 9, 1951. Class 3.
Thoro'Bred Racing Plate Co., Los Angeles, Calif. Horse shoes. 540,486, Apr. 3; Serial No. 592,350, published Dec. 26, 1950. Class 3.
Tonak, Továrny Na Klobouky, Národní Podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. 540,453, Apr. 3; Serial No. 589,127, published Dec. 12, 1950. Class 39.
Towns, Edward J., West Orange, N. J., assignee of Towns Quality Products, Inc. Bottle closures. 540,482, Apr. 3; Serial No. 592,171, published Dec. 19, 1950. Class 50.
Towns Quality Products, Inc.: *See*—
Towns, Edward J.
Trimble, John O., doing business as Voo Doo Lure Co., San Francisco, Calif. Artificial fishing lures. 540,450, Apr. 3; Serial No. 588,717, published Nov. 28, 1950. Class 22.
Trio Novelty Manufacturing Corporation, New York, N. Y. Shoulder pads. 540,400, Apr. 3; Serial No. 582,582, published Nov. 28, 1950. Class 40.
Truval Manufacturers, Inc., New York, N. Y. Business shirts for men and young men. 540,469, Apr. 3; Serial No. 591,328, published Nov. 28, 1950. Class 39.
Tube Turns, Inc.: *See*—
Tube-Turns Incorporated.
Tube-Turns Incorporated, to Tube Turns, Inc., Louisville, Ky. Metal bent-pipe sections. 279,239, renewed Jan. 13, 1951. O. G. Apr. 3. Class 13.
Turner, Ann, doing business under the name Richglow Henna Company, Glendale, Calif. Cosmetic preparations and compounds. 540,464, Apr. 3; Serial No. 590,767, published Jan. 9, 1951. Class 51.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Toilet soaps, liquids for cleaning eyeglasses, etc. 80,880, re-renewed Feb. 7, 1951. O. G. Apr. 3. Class 51.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Medicinal preparation. 279,412, renewed Jan. 13, 1951. O. G. Apr. 3. Class 18.
United Merchants and Manufacturers Inc., assignee: *See*—
Cohn-Hall-Marx Co.
United States Catheter & Instrument Corp., Glens Falls, N. Y. Liquid germicidal and fungicidal composition. 540,287, Apr. 3; Serial No. 547,584, published Jan. 16, 1951. Class 52.
United States Envelope Company, Springfield, Mass. Merchandise envelopes, paper drinking cups, and bags. 540,360, Apr. 3; Serial No. 578,302, published Jan. 9, 1951. Class 2.
United States Gypsum Company, Chicago, Ill. Asphalt roof coating, roof cement, and lap cement. 540,301, Apr. 3; Serial No. 559,124, published Jan. 16, 1951. Class 12.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 540,505, Apr. 3; Serial No. 594,157, published Jan. 9, 1951. Class 18.
Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, etc. 337,766, Aug. 18, 1936. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 51 (formerly in Class 6).
Vascoloy-Ramet Corporation: *See*—
Fansteel Products Company, Inc.
Vello Products: *See*—
Norris, John L., Jr.
Vernon-Benshoff Company, Pittsburgh, Pa. Block of transparent plastic material. 540,492, Apr. 3; Serial No. 593,195, published Dec. 19, 1950. Class 50.
Vogart Co., Inc., New York, N. Y. Transfer patterns of paper. 540,537, Apr. 3; Serial No. 596,962, published Jan. 16, 1951. Class 40.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa., to National Biscuit Company, New York, N. Y. Scrapple. 278,835, renewed Dec. 30, 1950. O. G. Apr. 3. Class 46.
Von Equipment Company, Inc., Memphis, Tenn. Harrows. 540,270, Apr. 3; Serial No. 538,476, published Dec. 5, 1950. Class 23.
Voo Doo Lure Co.: *See*—
Trimble, John O.
WJIM, Lansing, Mich. Advertising of sponsors' goods. 540,574, Apr. 3; Serial No. 582,200, published Jan. 9, 1951. Class 101.
Wall Trends, Inc., New York, N. Y. Wall coverings. 540,375, Apr. 3; Serial No. 580,160, published Jan. 9, 1951. Class 20.
Walsh, Winifred M., Hillsdale, N. J. Body oil. 540,312, Apr. 3; Serial No. 567,443, published Jan. 9, 1951. Class 51.
Warren Axe and Tool Company, Warren, Pa. Axes. 540,285, Apr. 3; Serial No. 547,206, published Dec. 12, 1950. Class 23.
Washington Redskins: *See*—
Pro-Football, Inc.
Watson, William F., Stone Corp., Yonkers, N. Y. Stone. 540,474, Apr. 3; Serial No. 591,532, published Jan. 16, 1951. Class 12.
Webster, Roy, doing business as Roy Webster Orchards, Hood River, Oreg. Fresh apples. 540,581, Apr. 3; Serial No. 540,505. Class 46.
Webster, Roy, Orchards: *See*—
Webster, Roy.
Weller, E. É., Co., Providence, R. I. Shoe ornaments. 540,376, Apr. 3; Serial No. 580,218, published Dec. 26, 1950. Class 40.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Finished alloy castings. 444,454, Apr. 3; Serial No. 485,388, published Jan. 2, 1951. Class 23.
Westville Oil and Manufacturing, Inc., Westville, Ind. Methanol alcohol anti-freeze and glycol permanent anti-freeze solution. 540,391, Apr. 3; Serial No. 581,846, published Jan. 9, 1951. Class 6.
Wheeler Osgood Company, The, Tacoma, Wash. Plywood. 540,528, Apr. 3; Serial No. 596,461, published Jan. 9, 1951. Class 12.
Whewell, Joseph, & Sons, Burnley, England. Maltless extract. 540,286, Apr. 3; Serial No. 547,212, published Dec. 5, 1950. Class 45.
White, Miller R., Dallas, Tex. Hand painted woodenware. 540,306, Apr. 3; Serial No. 562,813, published Dec. 5, 1950. Class 2.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. 540,262, Apr. 3; Serial No. 520,583, published Jan. 9, 1951. Class 29.
Whitlam, J. C., doing business as J. C. Whitlam Manufacturing Co., Wadsworth, Ohio. Compounds and cements. 540,438, Apr. 3; Serial No. 587,137, published Jan. 2, 1951. Class 12.
Whitlam, J. C., Manufacturing Co.: *See*—
Whitlam, J. C.
Wilkins, E. J., Company, Gloversville, N. Y., now by change of name, St. Thomas Inc. Billfolds, pocketbooks, key cases, etc. 540,526, Apr. 3; Serial No. 596,136, published Jan. 16, 1951. Class 3.
Wilson Manufacturing Company, Inc., Wichita Falls, Tex., and elsewhere. Derricks, mast poles, chain and gear transmissions, etc. 540,255, Apr. 3; Serial No. 496,745, published Dec. 19, 1950. Class 23.
Wissahickon Yarn Company: *See*—
Knipe, Robert J.
Wood, W. Wadsworth, Chicago, Ill. Wall panels, columns, ceiling panels, etc. 540,543, Apr. 3; Serial No. 597,564, published Jan. 16, 1951. Class 12.
Woolworth, F. W., Co., New York, N. Y. Common and safety pins. 540,429, Apr. 3; Serial No. 586,215, published Dec. 26, 1950. Class 40.
Woosley Knitting Mills, Shelbyville, Tenn. Women's hosiery. 540,487, Apr. 3; Serial No. 592,403, published Jan. 16, 1951. Class 39.
Worsham, Grace P., Summerville, Ga. Wrinkle cream. 540,612, Apr. 3; Serial No. 593,624. Class 51.
Wortendyke Manufacturing Company, Richmond, Va. Paper bags. 540,279, Apr. 3; Serial No. 544,806, published Dec. 5, 1950. Class 2.
Yancey, Clement L., Jr., doing business as Greensboro Twine Company, Greensboro, N. C. Cotton twine. 540,490, Apr. 3; Serial No. 592,966, published Dec. 26, 1950. Class 7.
Young's Merchandising Corporation, New York, N. Y. Genuine fur felt hats. 540,282, Apr. 3; Serial No. 545,321, published Dec. 12, 1950. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chickens, Live baby. The Pioneer Hatchery, Inc. 283,000, renewed May 12, 1951. O. G. Apr. 3.
Coke. The Koppers Company. 279,253, renewed Jan. 13, 1951. O. G. Apr. 3.
Leather. Kullman, Salz & Co. 35,766, re-renewed Jan. 15, 1951. O. G. Apr. 3.
Poultry. Imperial Breeding Farms. 540,615, Apr. 3; Serial No. 597,275.
Sheet materials, Felt-like or cloth-like. The Kendall Company. 359,067, Aug. 2, 1938. Amended. O. G. Apr. 3.

CLASS 2

Bags, Cotton and burlap. Ohio Valley Bag and Burlap Co. 540,513, Apr. 3; Serial No. 594,917, published Dec. 26, 1950.
Bags, Paper. Deubener's Shopping Bag. 540,584, Apr. 3; Serial No. 550,587.
Bags, Paper. Wortendyke Manufacturing Company. 540,279, Apr. 3; Serial No. 544,806, published Dec. 5, 1950.
Bags, Shopping. Deubener's Shopping Bag. 540,582–3, Apr. 3; Serial Nos. 548,939–40.
Bags, Transparent plastic clothing or garment. Plastic Products Company, Inc. 540,361, Apr. 3; Serial No. 578,410, published Dec. 5, 1950.
Bags, Waxed and unwaxed paper. Grand Bag & Paper Co., Inc. 540,330, Apr. 3; Serial No. 572,006, published Dec. 5, 1950.
Boxes and crates, and trays, Wooden and fibreboard. Rathborne, Hair & Ridgway Company. 540,274, Apr. 3; Serial No. 540,106, published Dec. 26, 1950.
Boxes, Empty jewel. Dunston Ltd. 540,284, Apr. 3; Serial No. 540,570, published July 25, 1950.
Cans, Garbage, and trash cans. Metalcraft Manufacturing Corporation. 540,497, Apr. 3; Serial No. 593,737, published Jan. 9, 1951.
Cans, Milk, dairy pails, and ice cream cans. Superior Metal Products Company. 540,311, Apr. 3; Serial No. 567,357, published Dec. 12, 1950.
Cartons, Empire Box Corporation. 540,483, Apr. 3; Serial No. 592,198, published Dec. 5, 1950.
Cartons, Collapsible. Sutherland Paper Company. 540,617, Apr. 3; Serial No. 598,124.
Cartons, Molded pulp. Keyes Fibre Company. 540,421, Apr. 3; Serial No. 584,910, published Nov. 28, 1950.
Cases, Vanity, compacts, and lipstick holders. Les Parfums de Dana, Inc. 540,352, Apr. 3; Serial No. 577,196, published Dec. 19, 1950.
Containers, Metal. National Lead Company. 540,364, Apr. 3; Serial No. 578,700, published Dec. 19, 1950.
Containers, Packaging. Milprint, Inc. 540,294, Apr. 3; Serial No. 553,209, published Jan. 2, 1951.
Envelopes, Merchandise, paper drinking cups, and bags. United States Envelope Company. 540,360, Apr. 3; Serial No. 578,302, published Jan. 9, 1951.
Pouches and bags, Commodity and merchandising. Milprint, Inc. 540,337, Apr. 3; Serial No. 573,730, published Jan. 9, 1951.
Tanks and reservoirs, Lubricant. Bijur Lubricating Corporation. 540,264, Apr. 3; Serial No. 526,189, published Dec. 5, 1950.
Tanks, Stock watering, house tanks, storage tanks, etc. The Sioux Steel Co. 540,297, Apr. 3; Serial No. 557,316, published Jan. 2, 1951.
Trays, Molded pulp packing. Keyes Fibre Company. 540,377, Apr. 3; Serial No. 580,299, published Nov. 28, 1950.
Trays, Molded pulp packing. Keyes Fibre Company. 540,299, Apr. 3; Serial No. 558,141, published Nov. 28, 1950.
Woodenware, Hand painted. M. R. White. 540,306, Apr. 3; Serial No. 562,813, published Dec. 5, 1950.

CLASS 3

Accessories for the use of cats and dogs. M. C. Acker. 540,562, Apr. 3; Serial No. 599,918, published Jan. 16, 1951.
Bag or case. Columbia Products Corporation. 540,547, Apr. 3; Serial No. 598,158, published Dec. 26, 1950.
Bags, Ladies' accessory zipper traveling. Platt Luggage, Inc. 540,498, Apr. 3; Serial No. 593,825, published Nov. 28, 1950.
Billfolds. Consolidated Leather Mfg. Co., Inc. 540,551, Apr. 3; Serial No. 598,708, published Nov. 28, 1950.
Billfolds and wallets. Fran-Stef Manufacturing Company. 540,557–8, Apr. 3; Serial Nos. 599,322–3, published Dec. 26, 1950.
Billfolds, pocketbooks, key cases, etc. E. J. Wilkins Company. 540,526, Apr. 3; Serial No. 596,136, published Jan. 16, 1951.
Billfolds, purses, handbags, etc. Alfred Dunhill, Limited. 540,389, Apr. 3; Serial No. 581,711, published Dec. 26, 1950.
Cases, Leather. Stanley & Stanley, Incorporated. 540,504, Apr. 3; Serial No. 594,152, published Jan. 16, 1951.
Cases or bags, Physicians', surgeons' and nurses' professional. Nathan Products Corporation. 540,481, Apr. 3; Serial No. 591,998, published Nov. 28, 1950.
Frames, Handbag. Frank J. Quigan, Inc. 540,317, Apr. 3; Serial No. 567,879, published Dec. 19, 1950.
Handbags. Boyd-Welsh, Incorporated. 540,435, Apr. 3; Serial No. 586,908, published Dec. 26, 1950.
Handbags and beachbags, Ladies'. Elizabeth Arden Sales Corporation. 540,512, Apr. 3; Serial No. 594,877, published Jan. 2, 1951.
Handbags, Ladies'. Coblentz Bag Company, Inc. 540,415, Apr. 3; Serial No. 584,264, published Jan. 16, 1951.
Handbags, Ladies'. The Terry Company, Inc. 540,571, Apr. 3; Serial No. 602,652, published Jan. 9, 1951.
Horse shoes. Thoro'Bred Racing Plate Co. 540,486, Apr. 3; Serial No. 592,350, published Dec. 26, 1950.
Luggage. E. E. Brenner. 444,460, Apr. 3; Serial No. 523,457, published Dec. 5, 1950.
Luggage. E. Freeman. 540,527, Apr. 3; Serial No. 596,336, published Jan. 16, 1951.
Luggage, Hand. Hawley Products Company. 540,397, Apr. 3; Serial No. 582,425, published Dec. 26, 1950.
Luggage, Hand, and trunks. Oshkosh Trunks and Luggage. 540,506, Apr. 3; Serial No. 594,422, published Jan. 2, 1951.
Trunks. Federated Department Stores, Inc. 540,554, Apr. 3; Serial No. 598,905, published Nov. 28, 1950.
Trunks. Hartmann Company. 540,443, Apr. 3; Serial No. 588,172, published Jan. 16, 1951.
Wallets. Marioness & Co., Inc. 540,559, Apr. 3; Serial No. 599,333, published Nov. 28, 1950.
Wallets, pocket folders, Leather. Pennsylvania Leather Products Company. 540,382, Apr. 3; Serial No. 580,899, published Nov. 28, 1950.

CLASS 4

Oils, dressings, and polishes, Shoe and leather. The Jared Holt Company. 281,027, renewed Mar. 10, 1951. O. G. Apr. 3.
Polish for automobile and like surfaces. S. C. Johnson & Son, Inc. 540,618, Apr. 3; Serial No. 602,431.
Polish, automobile polish, silver polish, etc., Furniture. J. W. Cooper. 540,590, Apr. 3; Serial No. 562,181.

CLASS 5

Fluid, Bonding. The Permafuse Corp. 540,407, Apr. 3; Serial No. 583,214, published Jan. 2, 1951.
Tape, Gummed paper, and gummed cloth tape. General Gummed Products, Inc. 540,374, Apr. 3; Serial No. 579,681, published Jan. 2, 1951.

CLASS 6

Anti-freeze, Methanol alcohol, and glycol permanent anti-freeze solution. Westville Oil and Manufacturing, Inc. 540,391, Apr. 3; Serial No. 581,846, published Jan. 9, 1951.
Carbon, Particulate. Columbian Carbon Company. 540,458, Apr. 3; Serial No. 589,839, published Jan. 9, 1951.
Carbon, Particulate. Columbian Carbon Company. 540,459, Apr. 3; Serial No. 589,840, published Jan. 2, 1951.
Chemical preparation. Soot and carbon scale removing. Garratt-Callahan Co. 386,003, Mar. 25, 1941. Restricted. O. G. Apr. 3.
Chemical, Scorpion and pest killing. Lien Chemical Company. 540,468, Apr. 3; Serial No. 591,243, published Jan. 9, 1951.
Colours, Coal-tar; chemical substances. Ciba Limited. 540,462, Apr. 3; Serial No. 590,547, published Jan. 9, 1951.
Compound used for hot-water-circulating systems, etc. Garratt-Callahan Co. 201,615, Aug. 4, 1925. Restricted. O. G. Apr. 3.
Compound, White plastic. Capitol Tire Company, Inc. 540,296, Apr. 3; Serial No. 556,948, published Jan. 2, 1951.
Compounds, Boiler-cleaning. John Callahan & Co., Inc. 60,793, Feb. 19, 1907. Restricted. O. G. Apr. 3.
Deodorant, Room. Rex Research Corporation. 540,331, Apr. 3; Serial No. 572,377, published Mar. 21, 1950.
Developer, Photographic. Eastman Kodak Company. 280,009, renewed Feb. 10, 1951. O. G. Apr. 3.
Dyes and dyestuffs. E. I. du Pont de Nemours and Company. 277,938, Dec. 2, 1930. Republished Apr. 3.
Dyes and dyestuffs. E. I. du Pont de Nemours and Company. 277,941, Dec. 2, 1930. Republished Apr. 3.
Egg-dyes. Pass Dye Company. 82,105, re-renewed May 30, 1951. O. G. Apr. 3.
Emulsion, Wax. Floralife, Incorporated. 540,257, Apr. 3; Serial No. 512,772, published Jan. 18, 1949.

Gum used as an assistant in the sizing of textile warps. E. F. Houghton & Co. 284,121, renewed June 16, 1951. O. G. Apr. 3.
Insecticides. Commercial Solvents Corporation. 540,446, Apr. 3; Serial No. 588,552, published Jan. 9, 1951.
Intermediate for dyeing processes. E. I. du Pont de Nemours and Company. 277,939, Dec. 2, 1930. Republished Apr. 3.
Laundering liquid. A. H. Paradis. 540,576, Apr. 3; Serial No. 507,745.
Plasticizers. Applied Chemical Corporation. 444,459, Apr. 3; Serial No. 521,715, published Jan. 2, 1951.
Powder, Ant and roach, red squill, liquid ant killer, etc. Chase Products Co. 540,465, Apr. 3; Serial No. 590,805, published Jan. 9, 1951.
Sodium chloride. The Carey Salt Company. 540,268, Apr. 3; Serial No. 537,149, published Jan. 9, 1951.
Solution for testing the usefulness of hypo fixing baths. The Edwal Laboratories, Inc. 540,272, Apr. 3; Serial No. 339,400, published Jan. 9, 1951.

CLASS 7

Clothes line. American Stores Company. 540,461, Apr. 3; Serial No. 590,062, published Dec. 26, 1950.
Ribbons of acetate film and rayon yarn laminated. Facile Corporation. 540,496, Apr. 3; Serial No. 593,719, published Dec. 26, 1950.
Tape and ribbon. Chicago Printed String Company. 540,367–8, Apr. 3; Serial Nos. 578,955–6, published Jan. 16, 1951.
Tape, Crimped ribbon-like. Chicago Printed String Company. 540,563, Apr. 3; Serial No. 600,031, published Nov. 28, 1950.
Twine and cord. The Wm. J. Hooper Mfg. Co. 81,462, re-renewed Apr. 11, 1951. O. G. Apr. 3.
Twine, Cotton. C. L. Yancey, Jr. 540,490, Apr. 3; Serial No. 592,966, published Dec. 26, 1950.
Twines, cords, ropes, etc. Hooper Paper & Twine Co., Inc. 540,548, Apr. 3; Serial No. 598,182, published Dec. 26, 1950.
Twines, Wrapping, binder twine, baler twine, etc. Henequen Industrial, S. de R. L. de C. V. 540,555, Apr. 3; Serial No. 599,171, published Jan. 16, 1951.

CLASS 9

Matches. Lion Match Company, Inc. 279,621, Jan. 20, 1931. Republished Apr. 3.

CLASS 11

Carbon paper and typewriter ribbons. Goldsmith Bros. 540,499, Apr. 3; Serial No. 593,918, published Jan. 9, 1951.

CLASS 12

Asphalt, etc. Standard Oil Company of California. 275,936, renewed Oct. 7, 1950. O. G. Apr. 3.
Asphaltic material, Packaged ready mixed. E. B. Currigan. 540,597, Apr. 3; Serial No. 581,061.
Awnings, Metal slat type. C-Thru Aluminum Awning Co. 540,593, Apr. 3; Serial No. 574,203.
Board, Hot pressed fiber composition. Minnesota and Ontario Paper Company. 540,329, Apr. 3; Serial No. 571,342, published Jan. 9, 1951.
Brick, Face. Streator Brick Company. 283,092, renewed May 19, 1951. O. G. Apr. 3.
Bridging, Metal cross. Met-Cro Specialties Company, Inc. 540,321, Apr. 3; Serial No. 569,763, published Jan. 16, 1951.
Cement, Asbestos roof. Chicago Paints, Inc. 540,305, Apr. 3; Serial No. 562,759, published Nov. 7, 1950.
Coating, Asphalt roof, roof cement, and lap cement. United States Gypsum Company. 540,301, Apr. 3; Serial No. 559,124, published Jan. 16, 1951.
Compounds and cements. J. C. Whitlam. 540,438, Apr. 3; Serial No. 587,137, published Jan. 2, 1951.
Construction materials. W. R. Meadows, Inc. 284,010, renewed June 9, 1951. O. G. Apr. 3.
Cement, lime, and cement and lime mixtures. Riverton Lime Company, Inc. 277,836–7, Nov. 25, 1930. Republished Apr. 3.
Lumber and plywood. Davidson Plywood & Lumber Co. 540,356, Apr. 3; Serial No. 577,662, published Jan. 16, 1951.
Mixture of Portland cement and other materials. Higgins Industries, Inc. 540,588, Apr. 3; Serial No. 557,357.
Mortar, Dry. The Standard Lime and Stone Company. 284,022, renewed June 9, 1951. O. G. Apr. 3.
Panels, Aluminum roofing. Childers Manufacturing Co. 540,607, Apr. 3; Serial No. 586,790.
Panels, Wall, columns, ceiling panels, etc. W. W. Wood. 540,543, Apr. 3; Serial No. 597,564, published Jan. 16, 1951.
Plywood. The Wheeler Osgood Company. 540,528, Apr. 3; Serial No. 596,461, published Jan. 9, 1951.
Shingles, Composition. Allied Chemical & Dye Corporation. 540,335, Apr. 3; Serial No. 573,109, published Nov. 14, 1950.
Shingles, Mineral-surfaced asphalt-saturated felt. Bird & Son, Inc. 540,598, Apr. 3; Serial No. 581,243.
Slag, Granulated. G. H. Doscher. 540,408, Apr. 3; Serial No. 583,248, published Jan. 9, 1951.
Stone, William F. Watson Stone Corp. 540,474, Apr. 3; Serial No. 591,532, published Jan. 16, 1951.
Tile, Acoustical. Simpson Logging Company. 540,454, Apr. 3; Serial No. 589,175, published Jan. 9, 1951.
Wall board, Fiber. The Celotex Corporation. 366,737, Apr. 25, 1939. Canceled Feb. 26, 1951. O. G. Apr. 3.

CLASS 13

Bent-pipe sections, Metal. Tube-Turns Incorporated. 279,239, renewed Jan. 13, 1951. O. G. Apr. 3.
Couplings, Hose, and hose menders. H. B. Sherman Manufacturing Company. 535,938, Jan. 9, 1951. Corrected. O. G. Apr. 3.
Elbows, tees, adapters, etc., All types of. Teb Mfg. Co., Inc. 540,372, Apr. 3; Serial No. 579,637, published Jan. 16, 1951.
Vat outlets, Pod type; can fillers; thermometer holders. Cherry-Burrell Corporation. 444,455, Apr. 3; Serial No. 485,722, published Dec. 12, 1950.

CLASS 14

Metals and alloys. Fansteel Products Company, Inc. 278,762, renewed Dec. 30, 1950. O. G. Apr. 3.

CLASS 16

Coating, Transparent wallpaper. Sellers and Smith Co. 540,579, Apr. 3; Serial No. 532,644.
Lead oxides for use as paint pigments. The Glidden Company. 279,052, renewed Jan. 6, 1951. O. G. Apr. 3.
Paint, Barn, factory paint, house paint, etc. G. B. Carran. 283,713, renewed June 2, 1951. O. G. Apr. 3.
Paint, Ready-mixed. The Sherwin-William Company. 540,600, Apr. 3; Serial No. 584,550.
Paints, and varnishes, Liquid. J. C. Nicholson. 79,511, re-renewed Sept. 13, 1950. O. G. Apr. 3.

CLASS 18

Antacid preparations. Rosamar Laboratories. 540,420, Apr. 3; Serial No. 584,874, published Jan. 9, 1951.
Anti-acid effervescent preparations. Dr. Miles Medical Company. 283,831, renewed June 9, 1951. O. G. Apr. 3.
Laxative, aspirin tablets, etc. Butler & Cosgrove. 151,440, Feb. 7, 1922. Canceled Mar. 2, 1951. O. G. Apr. 3. (Formerly in Class 6.)
Lozenge, Laxative. Hy-Pure Laboratories, Inc. 540,289, Apr. 3; Serial No. 551,453, published Jan. 16, 1951.
Medicinal bitters and general tonics. Felice Bisleri & C. 177,130, Dec. 11, 1923. Republished Apr. 3.
Medicinal mouth rinse. Dent-A-Mide Laboratories. 540,369, Apr. 3; Serial No. 579,180, published Jan. 9, 1951.
Medicinal or pharmaceutical preparation. Specific Pharmaceuticals, Inc. 540,510, Apr. 3; Serial No. 594,671, published Jan. 9, 1951.
Medicinal preparation. United Drug Company. 279,412, renewed Jan. 13, 1951. O. G. Apr. 3.
Medicinal preparation. Roche-Organon, Inc. 360,662, Sept. 20, 1938. Canceled Mar. 2, 1951. O. G. Apr. 3. (Formerly in Class 6.)
Medicinal preparation. The Upjohn Company. 540,505, Apr. 3; Serial No. 594,157, published Jan. 9, 1951.
Medicines, Animal. Globe Laboratories. 540,325, Apr. 3; Serial No. 570,556, published Jan. 2, 1951.
Ointment and cold cream. J. L. Norris, Jr. 400,963. Apr. 13, 1943. Republished Apr. 3.
Ointment, Scalp and hair. Mar-Sha, Inc. 540,378, Apr. 3; Serial No. 580,370, published Dec. 12, 1950.
Powder in capsule form useful as a diuretic. Eli Lilly and Company. 282,892, renewed May 5, 1951. O. G. Apr. 3.
Preparation of body-building elements. D. J. Nicoletti. 434,885, Dec. 9, 1947. Canceled Mar. 2, 1951. O. G. Apr. 3. (Formerly in Class 6.)
Product for the treatment of chronic constipation. The Maltine Company. 540,333, Apr. 3; Serial No. 572,851, published Jan. 9, 1951.
Therapeutic composition. The Maltine Company. 540,488, Apr. 3; Serial No. 592,505, published Jan. 9, 1951.
Vaccines, Bivalent. American Cyanamid Company. 540,507, Apr. 3; Serial No. 594,428, published Jan. 9, 1951.
Vaccines, Trivalent. American Cyanamid Company. 540,508, Apr. 3; Serial No. 594,431, published Jan. 9, 1951.

CLASS 20

Coverings, Felt base floor. Armstrong Cork Company. 540,569, Apr. 3; Serial No. 602,016, published Jan. 2, 1951.
Coverings, Wall. Wall Trends, Inc. 540,375, Apr. 3; Serial No. 580,160, published Jan. 9, 1951.
Linoleum, and desk coverings, Marbleized, and marbleized linoleum tiling. Dominion Oilcloth & Linoleum Co., Limited. 540,316, Apr. 3; Serial No. 567,764, published Dec. 19, 1950.

CLASS 21

Phonographs and parts thereof and records therefor, etc., Electrical. H. D. Parson. 519,369, Dec. 27, 1949. Canceled Mar. 2, 1951. O. G. Apr. 3.
Separator plates. Dewey and Almy Chemical Company. 271,165, May 27, 1930. Republished Apr. 3.

CLASS 22

Bait, Artificial. The Enterprise Manufacturing Company. 279,112, renewed Jan. 6, 1951. O. G. Apr. 3.
Bait, Artificial. The Enterprise Manufacturing Company. 280,058, renewed Feb. 10, 1951. O. G. Apr. 3.
Bait, Artificial. The Enterprise Manufacturing Company. 280,952, renewed Mar. 3, 1951. O. G. Apr. 3.
Baseball gloves and mitts. M. Denkert & Company. 540,437, Apr. 3; Serial No. 587,102, published Nov. 28, 1950.
Covers for basketballs, footballs, soccer balls, and other game balls. The Seamless Rubber Company. 540,423, Apr. 3; Serial No. 585,082, published Nov. 28, 1950.
Fishing lures, Artificial. J. O. Trimble. 540,450, Apr. 3; Serial No. 588,717, published Nov. 28, 1950.
Fishing tackle. T. J. Hall. 540,445, Apr. 3; Serial No. 588,297, published Nov. 28, 1950.
Footballs. Pro-Football, Inc. 540,424, Apr. 3; Serial No. 585,478, published Nov. 28, 1950.
Game. M. Reybold. 540,436, Apr. 3; Serial No. 586,938, published Nov. 28, 1950.
Golf equipment. Precision Golf Products Co. 540,432, Apr. 3; Serial No. 586,764, published Nov. 28, 1950.
Party favors, Decorative. Baiger & Company Limited. 540,308, Apr. 3; Serial No. 564,804, published Nov. 28, 1950.
Pedal cars, Children's. The Garton Toy Company. 540,447, Apr. 3; Serial No. 588,572, published Nov. 28, 1950.
Toy, Playtime Productions, Inc. 540,388, Apr. 3; Serial No. 581,612, published Nov. 28, 1950.

CLASS 23

Agitator equipped machinery. Beasley and Haberle. 540,416, Apr. 3; Serial No. 584,524, published Dec. 5, 1950.
Attachments for internal combustion engines, Exhaust manifold. De Luxe Products Corporation. 540,276, Apr. 3; Serial No. 541,817, published Dec. 5, 1950.
Axes. Warren Axe and Tool Company. 540,285, Apr. 3; Serial No. 547,206, published Dec. 12, 1950.
Bits, Diamond. J. K. Smit & Sons, Inc. 540,480, Apr. 3; Serial No. 591,808, published Dec. 5, 1950.
Castings, Finished alloy. Westinghouse Electric Corporation. 444,454, Apr. 3; Serial No. 485,388, published Jan. 2, 1951.
Chisels, gouges, plane irons, etc. Buck Bros. Inc. 540,300, Apr. 3; Serial No. 558,344, published Dec. 5, 1950.
Clamps, Tool makers'; pocket screw drivers; drive pin punches, etc. The Lufkin Rule Co. 540,357, Apr. 3; Serial No. 577,893, published Nov. 28, 1950.
Cutlery, Stainless steel table. National Silver Company. 540,566, Apr. 3; Serial No. 601,165, published Dec. 12, 1950.
Derricks, mast poles, chain and gear transmissions, etc. Wilson Manufacturing Company, Inc. 540,255, Apr. 3; Serial No. 496,745, published Dec. 19, 1950.
Disposal units, Waste. Given Manufacturing Company. 444,294, Oct. 31, 1950. Republished Apr. 3.
Food processing equipment. Rietz Manufacturing Co. 540,485, Apr. 3; Serial No. 592,337, published Jan. 2, 1951.
Food server, Hand operated. Prince Castle Mfg. Div. Inc. 540,342, Apr. 3; Serial No. 575,669, published Jan. 2, 1951.
Harrows. Von Equipment Company, Inc. 540,270, Apr. 3; Serial No. 538,476, published Dec. 5, 1950.
Hoppers, Dumping, bases for industrial scales, etc. Fab-Weld Corporation. 540,332, Apr. 3; Serial No. 572,493, published Jan. 9, 1951.
Knives, forks and spoons. Hammond Research Corporation. 540,552, Apr. 3; Serial No. 598,793, published Dec. 5, 1950.
Knives, Jack. Colonial Knife Company, Inc. 540,434, Apr. 3; Serial No. 586,792, published Jan. 2, 1951.
Lauter tubs. Schock, Gusmer & Co., Inc. 540,310, Apr. 3; Serial No. 566,894, published Dec. 19, 1950.
Lawn mowers. Federated Department Stores, Inc. 540,553, Apr. 3; Serial No. 598,904, published Dec. 5, 1950.
Machines for applying coatings to the sides of sheet-like bodies used in printing. Consolidated Photo Engravers Equipment Company. 540,542, Apr. 3; Serial No. 597,387, published Jan. 2, 1951.
Machines for machining printing plates, stereotype plates and the like. Hammond Machinery Builders, Inc. 540,307, Apr. 3; Serial No. 563,465, published Nov. 28, 1950.
Matrices for tire retreading equipment. James C. Heintz & Company, Inc. 540,550, Apr. 3; Serial No. 598,419, published Jan. 2, 1951.
Mills, Fulling. Rodney Hunt Machine Company. 540,519, Apr. 3; Serial No. 595,211, published Nov. 28, 1950.
Mixing and paving plants and parts therefor, Asphalt. Madsen Iron Works. 535,949, Jan. 9, 1951. Corrected. O. G. Apr. 3.
Printing apparatus. Kiwi Coders Corporation. 540,467, Apr. 3; Serial No. 590,894, published Dec. 12, 1950.
Razor blades. R. C. Childs. 540,419, Apr. 3; Serial No. 584,713, published Jan. 2, 1951.
Razor kits, Safety. Eversharp, Inc. 540,318, Apr. 3; Serial No. 568,102, published Dec. 26, 1950.

Registers, Autographic. The National Cash Register Company. 540,602, Apr. 3; Serial No. 585,295.
Saws, Hack, screw drivers, hand drills, etc. A. R. Heise, Inc. 540,278, Apr. 3; Serial No. 544,265, published Jan. 2, 1951.
Sprayers, Manually-operated compression. Lowell Specialty Company of Lowell, Mich. 540,295, Apr. 3; Serial No. 553,880, published Jan. 2, 1951.
Tools and similar devices. Hubbard and Company. 540,387, Apr. 3; Serial No. 581,483, published Dec. 5, 1950.
Tools, Carving. F. Mittermeier. 540,475, Apr. 3; Serial No. 591,578, published Dec. 5, 1950.
Transmissions or power drives and controls and parts thereof for motor vehicles. Packard Motor Car Company. 540,340, Apr. 3; Serial No. 575,288, published Jan. 2, 1951.
Trucks and parts thereof, Gasoline-powered materials handling. Lewis-Shepard Products, Inc. 540,556, Apr. 3; Serial No. 599,184, published Jan. 2, 1951.

CLASS 26

Altimeters and barometers. A. F. Munter. 540,491, Apr. 3; Serial No. 593,136, published Nov. 7, 1950.
Apparatus for indicating or recording information. A. C. Nielsen Company. 540,288, Apr. 3; Serial No. 547,756, published Feb. 7, 1950.
Binoculars. Dale Products Corporation. 540,494, Apr. 3; Serial No. 593,584, published Nov. 21, 1950.
Bookkeeping machines. Aktiebolaget Addo. 444,458, Apr. 3; Serial No. 521,046, published Nov. 21, 1950.
Meters, Frequency, tachometers, voltmeters and wattmeters. Hewlett-Packard Company. 540,524, Apr. 3; Serial No. 595,780, published Dec. 12, 1950.
Rules, Measuring, tape measures, carpenters' levels, etc. The Cussins and Fearn Company. 540,290, Apr. 3; Serial No. 551,861, published Nov. 21, 1950.
Screens, Motion picture. Da-Lite Screen Company, Inc. 540,493, Apr. 3; Serial No. 593,533, published Nov. 21, 1950.
Voltmeters. Hewlett-Packard Company. 540,523, Apr. 3; Serial No. 595,778, published Dec. 12, 1950.

CLASS 27

Parts of watches. Bulova Watch Company, Inc. 540,596, Apr. 3; Serial No. 581,051.
Watches. Abercrombie & Fitch Company. 540,344, Apr. 3; Serial No. 576,836, published Jan. 9, 1951.
Watches. E. Leichter. 408,878, Aug. 29, 1944. Canceled Mar. 2, 1951. O. G. Apr. 3.
Watches, clocks, and parts thereof. S. Einhorn. 540,320, Apr. 3; Serial No. 569,750, published Jan. 9, 1951.
Watches, Wrist. Bulova Watch Company, Inc. 276,911, renewed Oct. 28, 1950. O. G. Apr. 3.

CLASS 28

Jewelry. Layko, Ross & Co., Inc. 540,309, Apr. 3; Serial No. 565,133, published Jan. 9, 1951.
Knives, forks, spoons, etc., Silverplated and sterling silver. M. H. Storch. 540,610–11, Apr. 3; Serial Nos. 593,192–3.

CLASS 29

Brushes. Solo-Horton Brush Company, Incorporated. 540,479, Apr. 3; Serial No. 591,751, published Jan. 9, 1951.
Brushes. Whiting-Adams Company, Inc. 540,262, Apr. 3; Serial No. 520,583, published Jan. 9, 1951.
Brushes, brooms, mops, Household and industrial, etc. G. S. Erb. 540,302, Apr. 3; Serial No. 559,143, published Jan. 9, 1951.
Brushes, Tooth. Escort Laboratories, Inc. 540,521, Apr. 3; Serial No. 595,313, published Jan. 9, 1951.

CLASS 30

Dinnerware, Porcelain, china, and vitrified. Theodore Haviland & Co. Inc. 540,451, Apr. 3; Serial No. 588,801, published Dec. 12, 1950.
Dishes and vases. Fulper Pottery Company. 540,315, Apr. 3; Serial No. 567,572, published Dec. 12, 1950.
Dishes, Glazed ceramic. The French Saxon China Company. 540,518, Apr. 3; Serial No. 595,132, published Dec. 12, 1950.

CLASS 32

Bed, Portable or folding. Koneta Products. 540,594, Apr. 3; Serial No. 574,231.
Cabinets, Key filing. P. O. Moore, Inc. 540,613, Apr. 3; Serial No. 594,980.
Chairs and chair kits. F. W. Hagerty. 540,608, Apr. 3; Serial No. 587,026.
Chairs, Metal frame. Certified Chrome Furniture Co., Inc. 540,591, Apr. 3; Serial No. 563,842.
Furniture, Leo Maxwell Co., Inc. 540,587, Apr. 3; Serial No. 554,800.

CLASS 33

Dinnerware, Glass. Newland, Schneeloch & Piek, Inc. 540,539, Apr. 3; Serial No. 597,288, published Dec. 12, 1950.

CLASS 34

Andirons, hearth fenders, fireplace screens, etc. Chattanooga Implement & Mfg. Co. 280,313, renewed Feb. 10, 1951. O. G. Apr. 3.

CLASS 35

Belting, Leather. Johnson Belting Company, Inc. 204,413, Oct. 20, 1925. Republished Apr. 3.
Belting, Leather. Johnson Belting Company, Inc. 228,633, June 7, 1927. Republished Apr. 3.
Tires, Rubber. Stewart-Reck Tire and Supply, Inc. 540,606, Apr. 3; Serial No. 586,774.

CLASS 36

Pianos. H. J. Sohmer. 284,064, renewed June 16, 1951. O. G. Apr. 3.

CLASS 38

Etchings, printed etchings, greeting cards, etc. Brown & Bigelow. 283,431, renewed May 26, 1951. O. G. Apr. 3.

CLASS 39

Bandanas or turbans. B. G. Barry Corp. 540,478, Apr. 3; Serial No. 591,663, published Nov. 28, 1950.
Boots, shoes, and slippers. C. & J. Clark Limited. 540,599, Apr. 3; Serial No. 582,944.
Brassières. The H. W. Gossard Co. 540,441, Apr. 3; Serial No. 587,725, published Sept. 5, 1950.
Clothing; etc., Men's and boys' outer. N. W. Buyers & Jobbers, Incorporated. 294,404, May 24, 1932. Republished Apr. 3.
Clothing, Men's, children's, and women's. The Fashion Shop. 268,839–40, Mar. 18, 1930. Republished Apr. 3.
Clothing, Western style outdoor. Navarro Brothers. 540,430, Apr. 3; Serial No. 586,648, published Dec. 12, 1950.
Corsets, corselettes, brassières, etc., Ladies' and misses'. Femode Foundations, Inc. 540,616, Apr. 3; Serial No. 597,742.
Gloves, Dress, work, hunting, etc., leather, and leather mittens. Nets Glove & Mitten Co. 540,592, Apr. 3; Serial No. 571,987.
Hats and hat bodies. Tonak, Továrny Na Klobouky, Národní Podnik. 540,453, Apr. 3; Serial No. 589,127, published Dec. 12, 1950.
Hats and hat bodies, Men's, women's, and children's. Merrimac Hat Corporation. 540,428, Apr. 3; Serial No. 585,714, published Nov. 28, 1950.
Hats for men. Knox Hat Company, Inc. 280,532, Feb. 17, 1931. Republished Apr. 3.
Hats, Genuine fur felt. Young's Merchandising Corporation. 540,282, Apr. 3; Serial No. 545,321, published Dec. 12, 1950.
Hats, Men's. Adam Hat Stores, Inc. 540,422, Apr. 3; Serial No. 584,957, published Dec. 12, 1950.
Hats, Women's. L. Silberston & Sons Limited. 540,449, Apr. 3; Serial No. 588,713, published Nov. 28, 1950.
Hosiery for women. Grey Hosiery Mills. 540,271, Apr. 3; Serial No. 539,049, published Jan. 9, 1951.
Hosiery, Women's. Fabergé, Inc. 540,495, Apr. 3; Serial No. 593,591, published Jan. 9, 1951.
Hosiery, Women's. Woosley Knitting Mills. 540,487, Apr. 3; Serial No. 592,403, published Jan. 16, 1951.
Jeans, pants, and trousers, Boys'. Goldstone Bros. 540,440, Apr. 3; Serial No. 587,438, published Dec. 12, 1950.
Outerwear, Men's, women's, and children's, knitted and woven. Manchester Knitted Fashions, Inc. 540,472, Apr. 3; Serial No. 591,500, published Nov. 28, 1950.
Overcoats, topcoats, coats, etc., Men's, women's, boys', etc. Continental Mills, Inc. 540,304, Apr. 3; Serial No. 561,376, published Nov. 28, 1950.
Pants, Rubber baby, plastic baby pants, infants' flannel underwear, etc. H. W. Gutkowsky. 540,362, Apr. 3; Serial No. 578,448, published Jan. 9, 1951.
Scarfs. The Linbro Mfg. Corp. 540,455, Apr. 3; Serial No. 589,263, published Nov. 28, 1950.
Shirts. Fulton Shirt Co. Inc. 540,477, Apr. 3; Serial No. 591,617, published Dec. 12, 1950.
Shirts. The Shirtcraft Company, Inc. 540,456, Apr. 3; Serial No. 589,343, published Nov. 28, 1950.
Shirts and collars, Men's and boys'. Heath-Sweetser, Inc. 302,195, Apr. 4, 1933. Republished Apr. 3.
Shirts; and collars, Men's and boys'. Heath-Sweetser, Inc. 310,878, Mar. 13, 1934. Republished Apr. 3.
Shirts, Business, for men and young men. TruVal Manufacturers, Inc. 540,469, Apr. 3; Serial No. 591,328, published Nov. 28, 1950.
Shirts, jackets, and jodhpurs, Boys'. Superior Togs Corp. 540,292, Apr. 3; Serial No. 552,178, published Sept. 26, 1950.
Shirts, Men's dress and work. Marlboro Shirt Company, Inc. 283,717, renewed June 2, 1951. O. G. Apr. 3.
Shirts, Negligee and dress. Cluett, Peabody & Co. Inc. 540,442, Apr. 3; Serial No. 587,852, published Nov. 14, 1950.
Shirts, Negligee, sport shirts, shorts, etc. The Shirtcraft Company, Inc. 540,473, Apr. 3; Serial No. 591,517, published Nov. 28, 1950.
Shoes, Ladies', misses', and children's play. Presler Footwear, Inc. 540,605, Apr. 3; Serial No. 586,651.
Sleeping bag-like covering, Infants'. Robert Stephen Manufacturing Company. 540,578, Apr. 3; Serial No. 531,393.
Slippers, boots and shoes. Modern Food Products Company. 540,585, Apr. 3; Serial No. 553,781.
Socks, underwear, hosiery, etc. Skyknit Products, Inc. 540,293, Apr. 3; Serial No. 552,884, published Nov. 14, 1950.
Sportswear outfits, Ladies', misses' and junior misses' two piece. Horton Garment Co. 540,601, Apr. 3; Serial No. 585,282.
Suits, top coats, leather and cotton jackets, etc., Men's. The Belk Brothers Company. 540,580, Apr. 3; Serial No. 535,218.
Undergarments, Women's and misses' silk. The Patricia Petticoat Co. Inc. 279,879, renewed Feb. 3, 1951. O. G. Apr. 3.

CLASS 40

Braids, Millinery. Schwab, Armand, & Co., Inc. 540,570, Apr. 3; Serial No. 602,472, published Dec. 26, 1950.
Button and buckle parts. William Prym, Inc. 540,413, Apr. 3; Serial No. 583,887, published Dec. 12, 1950.
Clips, Hair. Royal Hair Pin Corporation. 540,549, Apr. 3; Serial No. 598,388, published Dec. 26, 1950.
Combs. Foster Grant Co., Inc. 540,564, Apr. 3; Serial No. 600,885, published Dec. 5, 1950.
Crochet hooks and knitting needles. C. J. Bates & Son. 540,409, Apr. 3; Serial No. 583,314, published Nov. 28, 1950.
Device for attachment to the handle of a ladies' handbag. Klik Promotions, Inc. 540,529, Apr. 3; Serial No. 596,498, published Dec. 26, 1950.
Dress shields. I. B. Kleinert Rubber Company. 540,520, Apr. 3; Serial No. 595,214, published Nov. 28, 1950.
Flowers in the nature of trimmings, Artificial. G. S. Paschke. 540,476, Apr. 3; Serial No. 591,581, published Nov. 28, 1950.
Hair attachments. Gold Medal Hair Products, Inc. 540,538, Apr. 3; Serial No. 597,266, published Jan. 16, 1951.
Mitten guards or securing devices for attaching children's mittens or gloves. M. Kaufman & Sons Corp. 540,525, Apr. 3; Serial No. 596,097, published Jan. 16, 1951.
Needles. Needle Industries Limited. 540,425, Apr. 3; Serial No. 585,541, published Dec. 26, 1950.
Ornaments, Shoe. E. E. Weller Co. 540,376, Apr. 3; Serial No. 580,218, published Dec. 26, 1950.
Pads, Bust. Sears, Roebuck and Co. 540,565, Apr. 3; Serial No. 600,986, published Jan. 16, 1951.
Pads, Shoulder. Trio Novelty Manufacturing Corporation. 540,400, Apr. 3; Serial No. 582,582, published Nov. 28, 1950.
Pins, Bob. Flamingo Products, Inc. 540,567, Apr. 3; Serial No. 601,827, published Jan. 9, 1951.
Pins, Common and safety. F. W. Woolworth Co. 540,429, Apr. 3; Serial No. 586,215, published Dec. 26, 1950.
Pins, Knitting. Patons & Baldwins, Inc. 540,532–3, Apr. 3; Serial No. 596,518–19, published Dec. 26, 1950.
Seam binding. Amoe Notion Co. 540,546, Apr. 3; Serial No. 597,995, published Dec. 26, 1950.
Shoe laces. H. I. Risvold. 540,536, Apr. 3; Serial No. 596,804, published Dec. 26, 1950.
Small hangers. E. M. Davis & Co. 540,385–6, Apr. 3; Serial Nos. 581,407–8, published Jan. 2, 1951.
Threaders, Needle. Cotter Products Inc. 540,609, Apr. 3; Serial No. 589,195.
Transfer patterns of paper. Vogart Co., Inc. 540,537, Apr. 3; Serial No. 596,962, published Jan. 16, 1951.

CLASS 41

Umbrellas. Folding Products Mfg. Corp. 540,560, Apr. 3; Serial No. 599,561, published Dec. 26, 1950.
Umbrellas. A. P. Pfeil. 540,500, Apr. 3; Serial No. 593,930, published Dec. 26, 1950.

CLASS 42

Blankets; suitings; and upholstery fabrics. Chatham Manufacturing Company. 540,327, Apr. 3; Serial No. 571,113, published Dec. 26, 1950.
Cloth, Knit wool, wool-mixed, etc. Faith Mills, Inc. 283,190, renewed May 19, 1951. O. G. Apr. 3.
Fabrics in the piece. Dumari Textile Co., Inc. 284,140, renewed June 16, 1951. O. G. Apr. 3.
Fabrics, Seat cover. Crawford Manufacturing Co., Inc. 540,365, Apr. 3; Serial No. 578,771, published Dec. 26, 1950.
Interlining, Garment. Leopold Gang, Inc. 540,418, Apr. 3; Serial No. 584,627, published Dec. 26, 1950.
Piece goods. Cohn-Hall-Marx Co. 540,345, Apr. 3; Serial No. 576,852, published Dec. 26, 1950.
Piece goods. Goodall-Sanford, Inc. 540,410, Apr. 3; Serial No. 583,747, published Dec. 26, 1950.
Piece goods. Goodall-Sanford, Inc. 540,411, Apr. 3; Serial No. 583,749, published Dec. 26, 1950.
Piece goods. Goodall-Sanford, Inc. 540,412, Apr. 3; Serial No. 583,751, published Dec. 26, 1950.
Piece goods. Oneida Fabrics Corporation. 540,366, Apr. 3; Serial No. 578,887, published Dec. 26, 1950.
Piece goods. Schneider Silk Mills Inc. 540,380, Apr. 3; Serial No. 580,681, published Dec. 26, 1950.
Piece goods. Schneider Silk Mills Inc. 540,381, Apr. 3; Serial No. 580,683, published Dec. 26, 1950.
Piece goods, Cotton. Rice-Stix Dry Goods Company. 82,020, re-renewed May 23, 1951. O. G. Apr. 3.
Piece goods, Linen, cotton piece goods, etc. Société Anonyme Rey Aîné. 279,758, renewed Jan. 20, 1951. O. G. Apr. 3.

Piece goods, Woolen, and piece goods made of wool blended with cotton. Kanmak Textiles Inc. 540,322, Apr. 3; Serial No. 570,259, published Dec. 26, 1950.
Piece goods, Woolen and worsted, etc. Shielana Limited. 540,426, Apr. 3; Serial No. 585,606, published Dec. 26, 1950.
Pillow cases, sheets, and table cloths. Fitts Dry Goods Company. 540,326, Apr. 3; Serial No. 570,844, published Dec. 26, 1950.
Rugs, Textile. Bigelow-Sanford Carpet Co., Inc. 540,384, Apr. 3; Serial No. 581,114, published Dec. 26, 1950.
Sheeting and pillow tubing, mattress covers, etc. Butler Brothers. 540,314, Apr. 3; Serial No. 567,495, published Dec. 26, 1950.
Silks, rayons, cottons, etc. H. Meyer. 540,355, Apr. 3; Serial No. 577,582, published Dec. 26, 1950.
Table cloths, napkins, sheets, etc. The Dayton Company. 540,383, Apr. 3; Serial No. 580,979, published Dec. 26, 1950.
Window hollands, shade cloth, bed sheets, etc. John King & Son Limited. 540,328, Apr. 3; Serial No. 571,219, published Dec. 26, 1950.

CLASS 43

Yarn. W. R. Leimgruber. 540,484, Apr. 3; Serial No. 592,268, published Oct. 17, 1950.
Yarn, Nylon knitting. R. J. Knipe. 540,511, Apr. 3; Serial No. 594,846, published Nov. 28, 1950.
Yarn, Wool. Patons & Baldwins, Inc. 540,530–1, Apr. 3; Serial Nos. 596,516–17, published Dec. 26, 1950.
Yarns. Durene Association of America. 540,568, Apr. 3; Serial No. 601,982, published Jan. 16, 1951.
Yarns. Hooker & Sanders, Incorporated. 540,517, Apr. 3; Serial No. 595,073, published Dec. 12, 1950.
Yarns. Hooker & Sanders, Incorporated. 540,522, Apr. 3; Serial No. 595,604, published Dec. 12, 1950.
Yarns. The Jaeger Company Limited. 540,390, Apr. 3; Serial No. 581,772, published Nov. 28, 1950.
Yarns, Crocheting and knitting. Talon, Inc. 540,414, Apr. 3; Serial No. 584,089, published Dec. 26, 1950.
Yarns, Hand knitting and fingering, mending yarns, tapestry yarns, etc. Fielding & Johnson Limited. 540,503, Apr. 3; Serial No. 594,029, published Dec. 26, 1950.
Yarns, Rayon. American Enka Corporation. 291,338, Feb. 9, 1932. Republished Apr. 3.
Yarns, threads, and yarn and thread filaments. The Chemstrand Corporation. 540,399, Apr. 3; Serial No. 582,519, published Dec. 19, 1950.

CLASS 44

Hot water bottles, Rubber. Armstrong Cork Company. 540,370, Apr. 3; Serial No. 579,391, published Jan. 2, 1951.
Oscilloscopes. Technicon Cardiograph Corporation. 540,393, Apr. 3; Serial No. 582,069, published Jan. 2, 1951.
Diaphragms, Rubber vaginal. Durex Products, Inc. 540,354, Apr. 3; Serial No. 577,524, published July 25, 1950.
Diaphragms, Vaginal. J. Schmid. 284,083, renewed June 16, 1951. O. G. Apr. 3.

CLASS 45

Beverage, Non-alcoholic, maltless. Coco Rico Inc. 540,398, Apr. 3; Serial No. 582,468, published Apr. 25, 1950.
Beverage, Non-alcoholic, maltless chocolate flavored. Delano Corporation of America. 540,343, Apr. 3; Serial No. 576,195, published Apr. 18, 1950.
Beverages, Canned fruit flavored. Maryland Beverage Company, Inc. 540,303, Apr. 3; Serial No. 560,909, published Dec. 5, 1950.
Beverages, Nonalcoholic maltless. Cott Beverage Corporation. 540,457, Apr. 3; Serial No. 589,431, published Dec. 19, 1950.
Beverages, Nonalcoholic maltless. Orange Smile Sirup Company. 444,461, Apr. 3; Serial No. 523,853, published Dec. 5, 1950.
Beverages, Non-alcoholic, non-cereal, maltless carbonated and non-carbonated. Perkins Products Company. 540,358, Apr. 3; Serial No. 578,216, published Dec. 19, 1950.
Beverages, Non-alcoholic, non-cereal maltless carbonated and non-carbonated. Perkins Products Company. 540,359, Apr. 3; Serial No. 578,217, published Jan. 9, 1951.
Concentrate, Liquid, and powder for making soft drinks. O-So Grape Co. 540,534, Apr. 3; Serial No. 596,675, published Nov. 28, 1950.
Extract, Maltless. Joseph Whewell & Sons. 540,286, Apr. 3; Serial No. 547,212, published Dec. 5, 1950.
Ginger beer. Double Eagle Bottling Co. 540,535, Apr. 3; Serial No. 596,720, published Nov. 28, 1950.
Soft drink, Non-alcoholic maltless. Southland Beverage Co. Inc. 540,603, Apr. 3; Serial No. 585,725.
Sparkling water, gingerale, root beer, etc. A. J. Canfield Co. 540,334, Apr. 3; Serial No. 573,027, published Dec. 12, 1950.

CLASS 46

Apples, Fresh. R. Webster. 540,581, Apr. 3; Serial No. 540,505.
Apples, pears, peaches, Fresh, etc. San Diego Fruit & Produce Company. 276,730, renewed Oct. 28, 1950. O. G. Apr. 3.
Baked goods. Dean's. 279,033, renewed Jan. 6, 1951. O. G. Apr. 3.
Bakery products and confectionery. National Biscuit Company. 35,662, re-renewed Dec. 25, 1950. O. G. Apr. 3.
Candy. Imperial Candy Company. 540,371, Apr. 3; Serial No. 579,421, published Jan. 16, 1951.
Candy. B. Myerson. 540,267, Apr. 3; Serial No. 535,734, published Dec. 19, 1950.
Candy, coffee, tea. Restaurants & Patisseries Longchamps, Inc. 356,452, Apr. 26, 1938. Republished Apr. 3.
Canned anchovies. Pereira & Crux, Limitada. 540,346–7, Apr. 3; Serial Nos. 576,981–2, published Jan. 16, 1951.
Canned fish, canned fruits, canned vegetables, etc. Haas, Baruch & Co. 279,027, renewed Jan. 6, 1951. O. G. Apr. 3.
Canned fruits, canned citrus fruit juices, and canned vegetables. L. H. Moore Canning Company. 540,336, Apr. 3; Serial No. 573,670, published Dec. 5, 1950.
Canned fruits, canned vegetables, coffee, etc. General Grocery Company, Inc. 540,263, Apr. 3; Serial No. 521,446, published Jan. 16, 1951.
Canned vegetables, canned fruits, canned fish. Francis H. Leggett & Company. 279,384, renewed Jan. 13, 1951. O. G. Apr. 3.
Cheese. C. A. Carlson Company. 280,892, renewed Mar. 3, 1951. O. G. Apr. 3.
Cheese, Cottage. Producers Creamery Company. 282,090, renewed Apr. 7, 1951. O. G. Apr. 3.
Chocolates. Rowntree and Company Limited. 540,448, Apr. 3; Serial No. 588,709, published Dec. 5, 1950.
Coffee. Piggly Wiggly Corporation. 281,997, Apr. 7, 1931. Republished Apr. 3.
Coffee, Green. Steinwender, Stoffgren & Co., Inc. 520,646, Feb. 7, 1950. Canceled Mar. 2, 1951. O. G. Apr. 3.
Concentrates, etc., Fruit, berry, butter and vanilla. Nell Products Inc. 540,313, Apr. 3; Serial No. 567,466, published Dec. 5, 1950.
Cookies and crackers. Southern Biscuit, Company, Incorporated. 540,463, Apr. 3; Serial No. 590,764, published Nov. 28, 1950.
Extracts, Flavoring. Ph. Chaleyer, Inc. 532,147, Oct. 17, 1950. New certificate. O. G. Apr. 3.
Feed, Chicken. Maritime Milling Company, Inc. 284,352, renewed June 23, 1951. O. G. Apr. 3.
Feed, Mixed. Eastern States Farmers' Exchange. 281,828, Mar. 31, 1931. Republished Apr. 3.
Fish, Gefilte. Mother's Food Products, Inc. 540,298, Apr. 3; Serial No. 557,620, published Nov. 28, 1950.
Food product. L. S. Gary. 540,431, Apr. 3; Serial No. 586,750, published Jan. 16, 1951.
Fruit butter, apple butter, and apple-cherry jelly. Bliss Syrup & Preserving Co. 540,283, Apr. 3; Serial No. 545,432, published Dec. 5, 1950.
Fruits, Dried. Bonner Packing Co. 535,487, Dec. 26, 1950. Corrected. O. G. Apr. 3.
Fruits, Fresh citrus. Olive Heights Citrus Association. 540,280, Apr. 3; Serial No. 545,030, published Dec. 5, 1950.
Fruits, Fresh deciduous. Reedley Chamber of Commerce. 540,619, Apr. 3; Serial No. 603,700.
Macaroni food. The Creamette Company. 540,402, Apr. 3; Serial No. 582,894, published Dec. 26, 1950.
Macaroni, spaghetti, vermicelli, and noodles. The Denver Macaroni & Noodle Co. 88,250, Sept. 10, 1912. Republished Apr. 3.
Meats, Cured. P. D. Gwaltney, Jr., & Co. Inc. 284,213, renewed June 16, 1951. O. G. Apr. 3.
Onion powder. Basic Vegetable Products, Inc. 540,265, Apr. 3; Serial No. 530,915, published Jan. 9, 1951.
Peas, Scotch, yellow split peas, green split peas, etc. The Great Atlantic and Pacific Tea Company. 283,006, renewed May 12, 1951. O. G. Apr. 3.
Preserves, jellies, and marmalades, Fruit. Glaser, Crandell Co. 540,277, Apr. 3; Serial No. 543,177, published Oct. 10, 1950.
Rolls, Finger, sandwich rolls, etc. Deco Refreshments Inc. 276,249, Oct. 14, 1930. Republished Apr. 3.
Salt. Diamond Crystal Salt Company. 80,465, re-renewed Dec. 27, 1950. O. G. Apr. 3.
Salt. Royal Crystal Salt Company. 540,275, Apr. 3; Serial No. 540,319, published Nov. 21, 1950.
Scrapple. F. G. Vogt & Sons, Incorporated. 278,835, renewed Dec. 30, 1950. O. G. Apr. 3.
Snacks. H. Meltzer. 540,273, Apr. 3; Serial No. 539,544, published Dec. 26, 1950.
Spread comprising cheese, bacon and other ingredients. Armour and Company. 540,266, Apr. 3; Serial No. 532,191, published Jan. 9, 1951.
Starch for food purposes, etc. A. E. Staley Manufacturing Company. 518,119, Nov. 29, 1949. Corrected. O. G. Apr. 3.
Syrup, Cane. W. B. Roddenbery. 282,796, renewed May 5, 1951. O. G. Apr. 3.
Trout, Frozen. The Green Spring Co., Inc. 540,258, Apr. 3; Serial No. 516,013, published Dec. 26, 1950.

CLASS 47

Wines. A. C. Colucci. 540,509, Apr. 3; Serial No. 594,519, published Jan. 9, 1951.
Wines. B. Cribari & Sons. 540,338, Apr. 3; Serial No. 574,610, published Dec. 5, 1950.
Wines. Cyprus Wine and Spirits Company, Ltd. 444,456, Apr. 3; Serial No. 520,444, published Dec. 26, 1950.
Wines. Ellena Brothers. 540,260, Apr. 3; Serial No. 519,865, published Jan. 9, 1951.
Wines. The Hammer Company. 540,502, Apr. 3; Serial No. 593,985, published Jan. 9, 1951.
Wines. G. F. Heublein & Bro., Inc. 540,401, Apr. 3; Serial No. 582,686, published May 23, 1950.
Wines. S. A. Chianti Ruffino. 540,350–1, Apr. 3; Serial Nos. 577,098–9, published Dec. 19, 1950.

CLASS 48

Ale. Beverwyck Breweries, Inc. 540,403, Apr. 3; Serial No. 583,021, published Dec. 26, 1950.
Ale. Beverwyck Breweries, Inc. 540,406, Apr. 3; Serial No. 583,025, published Dec. 26, 1950.
Ale. Drewrys Ltd., U. S. A., Inc. 540,323, Apr. 3; Serial No. 570,546, published Jan. 9, 1951.
Beer. Beverwyck Breweries, Inc. 540,404–5, Apr. 3; Serial Nos. 583,022–3, published Dec. 26, 1950.
Beer. Duquesne Brewing Company of Pittsburg. 540,489, Apr. 3; Serial No. 592,805, published Dec. 26, 1950.
Beer. Galveston-Houston Breweries, Inc. 540,514–15, Apr. 3; Serial Nos. 594,963–4, published Dec. 19, 1950.
Beer. Maier Brewing Company. 540,561, Apr. 3; Serial No. 599,834, published Jan. 9, 1951.
Beer. The National Brewing Co. 540,516, Apr. 3; Serial No. 594,982, published Jan. 9, 1951.
Beer. Swedish Beer Export Co. Aktiebolag. 540,417, Apr. 3; Serial No. 584,597, published Dec. 5, 1950.
Beer and ale. The Genesee Brewing Co., Inc. 540,339, Apr. 3; Serial No. 574,832, published Nov. 28, 1950.
Malt beverages. Loewer's Brewery Company. 540,259, Apr. 3; Serial No. 518,959, published Nov. 28, 1950.

CLASS 49

Brandy. Ellena Brothers. 540,261, Apr. 3; Serial No. 519,866, published Dec. 19, 1950.
Brandy. Pellisson Pere & Cie. 540,577, Apr. 3; Serial No. 524,205.
Brandy. Sociedade Lusitana de Destilação, Limitada. 540,319, Apr. 3; Serial No. 568,812, published Dec. 19, 1950.
Brandy, ouzo, gin, etc. Cyprus Wine and Spirits Company, Ltd. 444,457, Apr. 3; Serial No. 520,445, published Dec. 26, 1950.
Liqueur, Absinthe type of. Leroux & Company, Inc. 540,394, Apr. 3; Serial No. 582,232, published Jan. 9, 1951.
Rum. Licorerin Occidental, S. A. 540,269, Apr. 3; Serial No. 538,302, published Dec. 5, 1950.
Rum. A. P. McDowall & Co. (Distillers) Limited. 540,379, Apr. 3; Serial No. 580,371, published Dec. 12, 1950.
Rum. Stuart Lloyds, Ltd. 392,961, Jan. 20, 1942. Republished Apr. 3.
Whiskey. Esbeco Distilling Corporation. 540,324, Apr. 3; Serial No. 570,549, published Dec. 5, 1950.
Whiskey. Henry Kelly Importing & Distributing Co. Inc. 540,281, Apr. 3; Serial No. 545,259, published Nov. 28, 1950.
Whiskey. London & Company, Inc. 540,291, Apr. 3; Serial No. 552,153, published Dec. 19, 1950.
Whiskey. Medley Distilling Company. 540,614, Apr. 3; Serial No. 595,079.
Whiskey. Oldetyme Distillers, Inc. 330,721–2, Dec. 10, 1935. Canceled Mar. 2, 1951. O. G. Apr. 3.
Whiskey. Park & Tilford Distillers, Inc. 540,452, Apr. 3; Serial No. 589,110, published Dec. 5, 1950.
Whiskey, Scotch. Cockburn & Co. (Leith) Limited. 540,341, Apr. 3; Serial No. 575,628, published Dec. 19, 1950.
Whiskies. Stitzel-Weller Distillery. 540,395–6, Apr. 3; Serial Nos. 582,393–4, published Dec. 5, 1950.
Whiskies, Straight and blended. Double Springs Distillers, Inc. 540,256, Apr. 3; Serial No. 498,759, published Jan. 9, 1951.

CLASS 50

Art porcelain and stoneware figures. E. Kronmann. 540,444, Apr. 3; Serial No. 588,221, published Dec. 19, 1950.
Artificial leather. Leonard Freedman & Sons. 540,471, Apr. 3; Serial No. 591,415, published Dec. 19, 1950.
Block of transparent plastic material. Vernon-Benshoff Company. 540,492, Apr. 3; Serial No. 593,195, published Dec. 19, 1950.
Bottle closures. E. J. Towns. 540,482, Apr. 3; Serial No. 592,171, published Dec. 19, 1950.
Figurines. B. McLaughlin. 540,470, Apr. 3; Serial No. 591,332, published Dec. 19, 1950.
Matrix, dry mat, or board used in stereotyping or electrotyping. Certified Dry Mat Corporation. 540,501, Apr. 3; Serial No. 593,972, published Dec. 19, 1950.
Mats, Household rubber. Buxbaum Company. 540,427, Apr. 3; Serial No. 585,629, published Dec. 19, 1950.
Step-ladders. Sunmaster Products Co. 540,392, Apr. 3; Serial No. 581,915, published Dec. 19, 1950.

CLASS 51

Astringents, astringent cerates, etc. Badsco Sales Corporation. 337,766, Aug. 18, 1936. Canceled Mar. 2, 1951. O. G. Apr. 3.
Bath oils and bath perfuming compounds. Schratz Products. 540,595, Apr. 3; Serial No. 580,264.
Body oil. W. M. Walsh. 540,312, Apr. 3; Serial No. 567,443, published Jan. 9, 1951.
Cleansing cream. Barbara Gould, Inc. 540,545, Apr. 3; Serial No. 597,679, published Jan. 9, 1951.
Cosmetic creams and toilet lotions. B. C. Duffy. 540,466, Apr. 3; Serial No. 590,890, published Jan. 9, 1951.
Cosmetic preparations and compounds. A. Turner. 540,464, Apr. 3; Serial No. 590,767, published Jan. 9, 1951.
Cremes, lotions, and tonics for the hair and scalp. Christine Cosmetics Inc. 540,373, Apr. 3; Serial No. 579,803, published Jan. 16, 1951.
Denture cleansing and deodorant preparations. F. E. Bridges. 540,589, Apr. 3; Serial No. 562,025.
Depilatories. Jean Jordeau, Inc. 285,923, renewed Aug. 11, 1951. O. G. Apr. 3.
Face powder, lipstick, rouge, etc. Societe Lancôme, S. A. 540,348, Apr. 3; Serial No. 577,003, published Dec. 12, 1950.
Face powder, lipstick, rouge, etc. Societe Lancôme, S. A. 540,349, Apr. 3; Serial No. 577,005, published Dec. 12, 1950.
Foundation and face powder, Combined. Pond's Extract Company. 443,663, Jan. 10, 1950. Republished Apr. 3.
Hair color restorer, etc. A. R. Martino. 280,177, renewed Feb. 10, 1951. O. G. Apr. 3.
Hair tonics. A. Merke. 540,460, Apr. 3; Serial No. 590,027, published Jan. 2, 1951.
Hormone cream and hormone oil. Kathleen Mary Quinlan, Inc. 540,544, Apr. 3; Serial No. 597,626, published Jan. 9, 1951.
Ointment and cold cream. J. L. Norris, Jr. 400,963, Apr. 13, 1943. Republished Apr. 3.
Perfume, cologne essence, bath powder, etc. F. Denney. 540,604, Apr. 3; Serial No. 586,470.
Perfume, toilet water, eau de cologne. Fontaine Perfume Corporation. 540,363, Apr. 3; Serial No. 578,583, published Jan. 9, 1951.
Perfumes and toilet water. Mulhens & Kropff. 45,479, Aug. 22, 1905. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 51 (formerly in Class 6).
Pressing oil, a croquignole oil, a hair tonic, etc. S. L. Nunley. 540,439, Apr. 3; Serial No. 587,142, published Jan. 9, 1951.
Rouge, face cream, hair lotion, hand cream, etc. E. Schueller. 540,540–1, Apr. 3; Serial Nos. 597,299–300, published Jan. 9, 1951.
Saponaceous compounds, shaving creams, etc. Comfort Manufacturing Company. 284,080, renewed June 16, 1951. O. G. Apr. 3.
Soap, Toilet. Mulhens & Kropff. 45,709, Aug. 29, 1905. Canceled Mar. 2, 1951. O. G. Apr. 3. Class 51 (formerly in Class 4).
Soaps, Toilet, liquids for cleaning eyeglasses, etc. United Drug Company. 80,880, re-renewed Feb. 7, 1951. O. G. Apr. 3.
Wrinkle cream. G. P. Worsham. 540,612, Apr. 3; Serial No. 593,624.

CLASS 52

Bleaching, cleansing, antiseptic, and germicidal compounds. Cloroz Chemical Co. 279,405, renewed Jan. 13, 1951. O. G. Apr. 3.
Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 540,586, Apr. 3; Serial No. 554,043.
Germicidal and fungicidal composition, Liquid. United States Catheter & Instrument Corp. 540,287, Apr. 3; Serial No. 547,584, published Jan. 16, 1951.
Liquids for cleaning automobile, steam, or hot-water radiators. Liquid Veneer Corporation. 540,353, Apr. 3; Serial No. 577,482, published June 20, 1950.
Soaps and detergents, Fulling and scouring. F. Evans, Jr. 540,433, Apr. 3; Serial No. 586,782, published Jan. 9, 1951.

CLASS 100

Mechanical engineering advisory services. The New York Air Brake Company. 540,573, Apr. 3; Serial No. 563,273, published Jan. 9, 1951.

CLASS 101

Advertising of sponsors' goods. WJIM. 540,574, Apr. 3; Serial No. 582,200, published Jan. 9, 1951.

CLASS 106

Developing and processing of camera film, etc. Atlas Supply Company. 540,572, Apr. 3; Serial No. 542,431, published Jan. 9, 1951.

CLASS 107

Entertainment services. Markbus and Thomas. 540,575, Apr. 3; Serial No. 591,430, published Jan. 9, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bendix Aviation Corporation, assignee: *See*—
Fell, William F.
Cleveland Trust Company, The, trustee, assignee: *See*—
Newton Frederick.
Fell, William F., Hudson, Ohio, assignor to Bendix Aviation Corporation, Teterboro, N. J. Generation system. Re. 23,351, Apr. 3.
Newton, Frederick, Sudbury, England, assignor, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio. Carbon pile electric regulator. Re. 23,352, Apr. 3.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,010, Apr. 3.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,011, Apr. 3.
Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.

LIST OF DESIGN PATENTEES

Adler, Samuel E., Chicago, Ill. Television cabinet. 162,703, Apr. 3.
Adler, Samuel E., Chicago, Ill. Television cabinet. 162,704, Apr. 3.
Andrews, Elton L., and J. A. Waller, Bradenton, Fla. Smoking stand. 162,705, Apr. 3.
Baron, Jack, New York, N. Y. Condiment dispensing container. 162,706, Apr. 3.
Benson, Haskell, Chicago, Ill. Flying toy. 162,707, Apr. 3.
Bently, George K., assignor to McCray Refrigerator Company, Kendallville, Ind. Open-top refrigerated self-serve case. 162,708, Apr. 3.
Boyle, Ruth M., Glendale, Calif. Game board. 162,709, Apr. 3.
Brazeau, Bernard C., assignor to Cranberry Growers, Inc., Wisconsin Rapids, Wis. 162,710, Apr. 3.
Carpenter, Harry L., Kalamazoo, Mich., assignor to L. A. Westerberg, Skokie, Ill. Single electric shaver in box display case. 162,711, Apr. 3.
Colombini, John S., assignor to Stamping Products & Mfg. Co., Detroit, Mich. Sprinkler. 162,712, Apr. 3.
Colombini, John S., assignor to Stamping Products & Mfg. Co., Detroit, Mich. Sprinkler. 162,713, Apr. 3.
Cory Corporation, assignee: *See*—
Wohl, Harry.
Cranberry Growers, Inc., assignee: *See*—
Brazeau, Bernard C.
Dahl, Arlene C., Beverly Hills, Calif. Boudoir cap. 162,714, Apr. 3.
Dawson, Carley, Washington, D. C. Dress-apron ensemble. 162,715, Apr. 3.
Dickson, Dorothy V., Pennside, assignor to Millway Knitting Mills, Inc., Millway, Pa. Stocking. 162,716, Apr. 3.
Dickson, Dorothy V., Pennside, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 162,717, Apr. 3.
Dosst, Emil F. P., Blackwood, N. J., assignor to Janedale Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 162,718, Apr. 3.
Ekco Products Company, assignee: *See*—
Hvale, James L.
Lueneburg, Walter C.
Wagner, Frans.
Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 162,719, Apr. 3.
Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 162,720, Apr. 3.
Ferraro, Frank, Baltimore, Md. Perfume bottle. 162,721, Apr. 3.
General Electric Company, assignee: *See*—
Rex, Charles H.
General Motors Corporation, assignee: *See*—
Haviland, Glenford M.
Goff, Warren, Philadelphia, Pa. Stocking. 162,722, Apr. 3.
Gregg Manufacturing Company, The, assignee: *See*—
Gregg, William L.
Gregg, William L., Fredericktown, Ohio, assignor to The Gregg Manufacturing Company. Wall-mounted lamp. 162,723, Apr. 3.
Haviland, Glenford M., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle inside door handle. 162,724, Apr. 3.
Haviland, Glenford M., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle inside door handle. 162,725, Apr. 3.
Hawle, Edward M., Stratford, assignor to The Hawle Manufacturing Company, Bridgeport, Conn. Suspender slide or the like. 162,726, Apr. 3.
Hawle Manufacturing Company, The, assignee: *See*—
Hawle, Edward M.
Higler, Ross H., Johnstown, N. Y. Glove. 162,727, Apr. 3.
Higler, Ross H., Johnstown, N. Y. Glove. 162,728, Apr. 3.
Higler, Ross H., Johnstown, N. Y. Glove. 162,729, Apr. 3.
Higler, Ross H., Johnstown, N. Y. Glove. 162,730, Apr. 3.
Higler, Ross H., Johnstown, N. Y. Glove. 162,731, Apr. 3.
Higler, Ross H., Johnstown, N. Y. Glove. 162,732, Apr. 3.
Hitchcock, Richard E., Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Knob. 162,733, Apr. 3.
Hitchcock, Richard E., Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Knob. 162,734, Apr. 3.
Hunziker, Margot, New York, N. Y. Removable lamp shade cover. 162,735, Apr. 3.
Huxtable, Robert W., assignor to Millers Falls Company, Greenfield, Mass. Keyhole saw. 162,736, Apr. 3.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Side handle for cooking utensils and the like. 162,737, Apr. 3.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Knob for cooking utensils and the like. 162,738, Apr. 3.
Janedale Hosiery Mills, Inc., assignee: *See*—
Dosst, Emil F. P.
Kurz-Kasch, Inc., assignee: *See*—
Hitchcock, Richard E.
Lambert, Edgar, Detroit, Mich. Towel holder. 162,739, Apr. 3.
L'Anglais, Pascal, New York, N. Y. Dinner plate or similar article. 162,740, Apr. 3.
Lawhon, Marion L., Bakersfield, Calif. Fishing spinner. 162,741, Apr. 3.
Lemi, Francisco B.: *See*—
Lorenzana, Moises B., and Lemi.
Lorenzana, Moises B., and F. B. Lemi, Chicago, Ill. Game board. 162,742, Apr. 3.

Lueneburg, Walter C., Evanston, assignor to Ekco Products Company, Chicago, Ill. Valve for pressure cookers. 162,743, Apr. 3.
M. K. M. Hosiery Mills, Inc., assignee : *See*—
Sigel, Saul.
McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 162,744, Apr. 3.
McCray Refrigerator Company, assignee : *See*—
Bently, George K.
Millers Falls Company, assignee : *See*—
Huxtable, Robert W.
Millway Knitting Mill, Inc., assignee : *See*—
Dickson, Dorothy V.
Morroni, Peter, Leominster, Mass. Comb. 162,745, Apr. 3.
Neil, Milton : *See*—
Smith, Robert E., and Neil.
Oakley, Paul P., and B. L. Schmitzer, Pittsburgh, Pa. Wall display panel. 162,746, Apr. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 162,747, Apr. 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 162,748, Apr. 3.
Polimeni, Frank, Steubenville, Ohio. Comb. 162,749, Apr. 3.
Polye, William R., River Edge, and G. V. Zito, South Hackensack, N. J., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Radiation meter. 162,750, Apr. 3.
Pratt, Elon G., New York, N. Y., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoking stand. 162,751, Apr. 3.
Ranllom, Inc., assignee : *See*—
Wray, Victor C.
Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Street lighting unit. 162,752, Apr. 3.
Runyon, Robert C., Springfield, N. J. Combined soap holder and brush. 162,753, Apr. 3.
Schmitzer, Bernard L. : *See*—
Oakley, Paul P., and Schmitzer.
Schwing, Allan H., West Henrietta, N. Y. Intercommunication station. 162,754, Apr. 3.
Seeman, James, Forest Hills, N. Y. Wallpaper or the like. 162,755, Apr. 3.
Shriner, William L., Oklahoma City, Okla. Deck of playing cards. 162,756, Apr. 3.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 162,757, Apr. 3.
Smith, Robert E., New Rochelle, N. Y., and M. Neil, Mountainview, N. J., said Neil assignor to said Smith. Puppet. 162,758, Apr. 3.
Smokador Manufacturing Co., Inc., assignee : *See*—
Pratt, Elon G.
Stamping Products & Mfg. Co., assignee : *See*—
Colombini, John S.
Sterner, Owen, Shillington, Pa. Lady's stocking. 162,759, Apr. 3.
Sullivan, Frank, Astoria, N. Y. Spraying powder reservoir. 162,760, Apr. 3.
Tarrson Company, The, assignee : *See* —
Tarrson, Sidney A.
Tarrson, Sidney A., assignor to The Tarrson Company, Chicago, Ill. Dispensing machine for gum balls or other objects. 162,761, Apr. 3.
Trifari, Krussman & Fishel, Inc., assignee : *See*—
Philippe, Alfred.
United States Atomic Energy Commission, United States of America as represented by the, assignee : *See*—
Polye, William R., and Zito.
Wagner, Franz, asignor to Ekco Products Company, Chicago, Ill. Handle for cooking utensils. 162,762, Apr. 3.
Waller, James A. : *See*—
Andrews, Elton L., and Waller.
Weissberger, Elaine, Brooklyn, N. Y. Hat. 162,763, Apr 3.
Westerberg, Lawrence A., assignee : *See*—
Carpenter, Harry L.
Westernacher, Fritz, New York, N. Y. Merchandise display stand or similar article. 162,764, Apr. 3.
Wohl, Harry, assignor to Cory Corporation, Chicago, Ill. Vacuum coffee maker. 162,765, Apr. 3.
Wray, Victor C., assignor to Ranllom, Inc., Los Angeles, Calif. Holder for lipsticks or the like. 162,766, Apr. 3.
Zito, George V. : *See*—
Polye, William R., and Zito.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A P Controls Corporation, assignee : *See*—
Aughey, Clarence L., and McCarty.
Abrams, Ellis, Philadelphia, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Water repellent compositions for textiles. 2,547,728, Apr. 3.
Adams, Philip, Toronto, Ontario, Canada. Pen cap. 2,547,803, Apr. 3.
Adams, William D., assignee : *See*—
Burgess, Marion I.
Addressograph-Multigraph Corporation, assignee : *See*—
Janke, Edward J.
Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Space-charge-coupled cascade amplifier. 2,547,145, Apr. 3.
Aiken, Chester C., Haddonfield, N. J., assignor to Radio Corporation of America. Package handling apparatus. 2,547,729, Apr. 3.
Aktiebolaget Separator, assignee : *See*—
Zachariassen, Stig H. B.
Aktiebolaget Separator-Nobel, assignee : *See*—
Andersson, Gustav H.
Engel, Bruno K., and Palmqvist.
Aktieselskapet Norsk Aluminium Company, assignee : *See*—
Brodal, Erling, and Guldhav.
Alba, Ralph T., assignor, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Isolation of enzymes from aqueous solutions with lignin and gelatin and product obtained thereby. 2,547,429, Apr. 3.
Albin, Benjamin D. : *See*—
Koch, Erich J., and Albin.
Aldridge, Clarence F., and C. L. Brown, assignors to Taylor Instrument Companies, Rochester, N. Y. Pasteurizing control system. 2,547,430, Apr. 3.
Alexander, Douglas S., assignor to Polymer Corporation, Sarnia, Ontario, Canada. Sealing packings. 2,547,358, Apr. 3.
Alfandari, L., Machine Co., Inc., assignee : *See*—
Alfandari, Louis.
Alfandari, Louis, assignor to L. Alfandari Machine Co., Inc., Corona, N. Y. Power-driven cutting machine for shoulder pads. 2,547,242, Apr. 3.
Alhand, Richard J. : *See*—
Loveless, Boyd B., Alhand, and Sample.
All-American Novelty Company, Inc., assignee : *See*—
Dezzani, John.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Lead and pitch gauging device. 2,547,681, Apr. 3.
Alliance Manufacturing Company, The, assignee : *See*—
Schneider, Emmor V.
Allis-Chalmers Manufacturing Company, assignee : *See*—
Jacobi, Louis.
Ray, James L.
Vogel, Paul C.
Wilson, Charles D.
Ambrose, Dermot M. : *See*—
Chatterhea, Prafulla K., and Ambrose.
Amer, Myrtle A., Hollywood, Calif. Massaging implement. 2,547,243, Apr. 3.
American Can Company, assignee : *See*—
Pechy, William.
Taylor, William E., and Schmidt.
American Cyanamid Company, assignee : *See*—
Boothe, James H.
Goldman, Leon.
Semb, Joseph.
Waletzky, Emanuel.
American Home Products Corporation, assignee : *See*—
Whiting, John A.
American Steel Foundries, assignee : *See*—
Flesch, Norman.
American Telephone and Telegraph Company, assignee : *See*—
Gilbo, De Motte W.
American Viscose Corporation, assignee : *See*—
Bauer, Ernest K.
McDermott, Henry J.
Amero, John V., Rochester, N. H. Submarine carried cartridge ejector. 2,546,961, Apr. 3.
Ames, William L., Middle River, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making retractile cordage continuously. 2,547,356, Apr. 3.
Ampco Metal, Inc., assignee : *See*—
Klement, John F.
Anaconda Wire and Cable Company, assignee : *See*—
Saums, Harry L., Vail, and Sturgis.
Anchor Hocking Glass Corporation, assignee : *See*—
Smith, Opal, and Dudley.
Anderkin, Arthur, Georgetown, Ohio. Developing rack. 2,547,245, Apr. 3.
Anderson, Arthur C., Wildwood, N. J. Deck pump. 2,547,431, Apr. 3.
Anderson, Attell B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized amplifier. 2,547,107, Apr. 3.
Anderson, Carl E., Barberton, Ohio. Door latch. 2,547,108, Apr. 3.
Anderson, John P., Fernwood, Calif., assignor to North American Aviation, Inc. Automatic hydraulic-mechanical follow-up control system. 2,547,552, Apr. 3.
Andersson, Gustav H., Smedslatten, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Method and centrifuge for dewaxing oil solution. 2,547,612, Apr. 3.
Andreasson, Rudolf W., Franklin, Mich. Apparatus for relieving the teeth of circular cutting elements. 2,547,845, Apr. 3.
Andrews, Noah S., trustee : *See*—
Lent, Edward B.
Andrews, Sol, trustee : *See*—
Lent, Edward B.
Andrews, William, Gateshead-on-Tyne, England, assignor to Metal and Thermit Corporation, New York, N. Y. Coated welding rod. 2,547,432, Apr. 3.
Annan, Roberdeau G., Pittsburgh, Pa. Display case. 2,547,244, Apr. 3.
Annen, James E., Kalamazoo, Mich. Scoop for stoker furnaces and the like. 2,547,846, Apr. 3.
Anthony, Howard E., Benton Harbor, Mich. Hollow pontoon structure and making the same. 2,547,146, Apr. 3.
Apex Electrical Manufacturing Company, The, assignee : *See*—
Barrett, Ralph A.
Archer-Daniels-Midland Company, assignee : *See*—
Konen, James C., and Clocker.
Armour Research Foundation of Illinois Institute of Technology, assignee : *See*—
Wiegand, David E.
Arnold, Robert B., Richmond, Va., and A. L. Galloway, assignors to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Carrier and filler material. 2,547,730, Apr. 3.
Art Lines, Inc., assignee : *See*—
Schmitt, Roland G.
Aschaffenburger Zellstoffwerke, Aktiengesselschaft, assignee : *See*—
Lagally, Paul.
Aspelin, Leslie L., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Airplane fuel system. 2,547,246, Apr. 3.
Associated Development and Research Corporation, assignee : *See*—
Wallach, Robert S.
Audiscope Corporation, assignee : *See*—
Pierce, Edith H., and Schantz.
Aughey, Clarence L., and L. V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation. Thermostatic expansion valve. 2,547,070, Apr. 3.
Austin, Donald D., Sr., assignor to National Broach & Machine Company, Detroit, Mich. Shaving crown gears by rocking. 2,547,517, Apr. 3.
Automatic Manufacturing Corporation, assignee : *See*—
Mazzola, Joseph R.
Automatic Telephone & Electric Company, Limited, assignee : *See*—
Baker, George T.
Autopoint Company, assignee : *See*—
Nelson, Melven V., and Seibert.
Avco Manufacturing Corporation, assignee : *See*—
Johnson, Fred J.
Bacharach, Rose, Elmhurst, N. Y. Combination greeting card and framed picture. 2,547,359, Apr. 3.
Bacheller, "D" Flavius, Glendale, Calif., assignor to "Pump-It" Incorporated. Dispensing pump attachable to the neck of a container for viscous material, having an inlet conduit extending into said container. 2,547,109, Apr. 3.
Bailey, Herbert O., Springfield, N. J., assignor to Standard Oil Development Company. Liquid level gauge viewing device. 2,547,731, Apr. 3.
Bailey, Paul W., Oakland, Calif. Washbasin for use in automobiles. 2,547,613, Apr. 3.

Baker, Bruce E., Stanbridge East, L. Brickman, Montreal, and L. E. Ryan, Dorval, Quebec, Canada, assignors to Monsanto Chemical Company, St. Louis, Mo. Producing sulfanilylthioureas. 2,547,147, Apr. 3.

Baker, Donald J., Los Angeles, Calif. Electromagnetic recording and reproducing sound head. 2,547,360, Apr. 3.

Baker, Donald J., Los Angeles, Calif. Pickup head using torsional mount for armatures. 2,547,361, Apr. 3.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Telephone line identification system. 2,547,804, Apr. 3.

Baker, Malvern S., Muskegon, assignor to Continental Motors Corporation, Detroit and Muskegon, Mich. Transmission synchronizer. 2,547,732, Apr. 3.

Baker Perkins Incorporated, assignee: *See*—
Hart, John.

Baldwin, Francis P., Rahway, N. J., assignor to Standard Oil Development Company. Partially cured rubberlike cement. 2,547,733, Apr. 3.

Barager, Alfred T., Buffalo, N. Y. Cover for flexible shaft coupling. 2,547,734, Apr. 3.

Barber-Colman Company, assignee: *See*—
Hall, Donald L.

Barclay, Ivar, Highland Park, assignor to The General Detroit Corporation, Detroit, Mich. Safety can with flexible spout. 2,547,847, Apr. 3.

Barkley, Dwight W., Chesswick, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting for rearview mirrors. 2,547,071, Apr. 3.

Barnett, John W., Midland, Tex. Flower bed and lawn edge trimmer. 2,547,433, Apr. 3.

Barns, Roy W.: *See*—
Hamacher, Joseph D., and Barns.

Barrett, Ralph A., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Time controlled linkage actuating mechanism. 2,547,247, Apr. 3.

Barry, William F., Los Angeles, Calif. Box construction. 2,547,849, Apr. 3.

Bartholomew, Thomas L., Baltimore, Md. Electrical multitester. 2,547,248, Apr. 3.

Bartlett Hayward Division, assignee: *See*—
Skinner, Claude M.

Barttro, James L., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,547,848, Apr. 3.

Bates, William A., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Beneficiation of iron ores. 2,547,148, Apr. 3.

Battocchi, Silvio R., Hartford, Conn. Saw grinding mechanism. 2,547,553, Apr. 3.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Creel. 2,547,072, Apr. 3.

Baumgartner, Luther L., Hastings on the Hudson, assignor to The B. F. Goodrich Company, New York, N. Y. Nitroaryl esters of 2-mercaptothiazines as herbicides. 2,547,682, Apr. 3.

Bausch & Lomb Optical Company, assignee: *See*—
Flint, Edward F.
Street, Donald T.

Beal, Keith F: *See*—
Signer, Ralph J., and Beal.

Beaudet, Louis, assignor to Society Bernardaud & Cie, Limoges, France. Firing porcelain. 2,547,149, Apr. 3.

Beckelman, Abraham, New York, N. Y. Apparatus for applying linear designs to work surfaces. 2,547,554, Apr. 3.

Becton Dickinson and Company, assignee: *See*—
Smoot, John H.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Saturable reactor arc prevention circuit. 2,547,614, Apr. 3.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Saturable core reactor. 2,547,615, Apr. 3.

Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner dust bag. 2,547,805, Apr. 3.

Beekman, Robert L., Fort Lauderdale, Fla. Indexing turret tool post. 2,547,616, Apr. 3.

Bee-Line Company, assignee: *See*—
Jacobsen, Le Roy V., and Gosline.

Belknap, Joel R., South Charleston, W. Va. Journal bearing. 2,547,555, Apr. 3.

Bell, Roger E., Natick, Mass. Strip cutter. 2,547,249, Apr. 3.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Attell B.
Buehler, Ernest.
Gray, Frank.
Hague, Alfred E.
Kirkpatrick, William E.
Leveridge, Walter J.
Lovell, George H.
Morin, Francis J.
Pollard, Charles E., Jr.
Power, James R.
Rieke, John W.
Ring, Douglas H.
Shepherd, William G.
Skellett, Albert M.
Wennemer, Gerard P.

Bellairs, Guy F., London, and J. C. Ireland, Tunbridge Wells, Kent, assignors to British Telecommunications Research Limited, Taplow, England. Communication channel identification in telephone or like systems. 2,547,617, Apr. 3.

Bemis Bro. Bag Co., assignee: *See*—
Schjeldahl, Gilmore T., and Wendt.

Bendix Aviation Corporation, assignee: *See*—
Herwig, Robert S.
Ochtman, Leonard.

Benigar, James E., Tulsa, Okla. Puncturing and dispensing device for oil cans. 2,547,556, Apr. 3.

Benjamin, Milton L., assignee: *See*—
Eichelman, William H.

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio, said Winnen assignor to said Benjamin. Full-floating holder. 2,547,518, Apr. 3.

Bennett, Vesta Conn., Northport, N. Y. Hand loom. 2,547,250, Apr. 3.

Benrus Watch Company, Inc., assignee: *See*—
O'Neill, Henry J.

Benson, Ernest H., Kansas City, Mo. Container and shielding therefor. 2,547,806, Apr. 3.

Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. High-speed binary decade counter. 2,547,434, Apr. 3.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fluidized catalytic cracking system with rotating disk slide valve. 2,547,900, Apr. 3.

Berry, Roger W., Princeton, Ill. Combined container and straw. 2,547,362, Apr. 3.

Best, Frank A., Windsor, Ontario, Canada. Broaching machine. 2,546,962, Apr. 3.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.

Bigelow, John E.: *See*—
Rich, Theodore A., and Bigelow.

Bisch, Jean and X. Thiesse, Salindres, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, Paris, France. Manufacture of functional derivaties of polyvinylic copolymers. 2,547,618, Apr. 3.

Bishoff, Edward E.: *See*—
Fowler, Henry F., and Bishoff.

Bishop, Amasa S., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical marking and scanning control circuit. 2,547,363, Apr. 3.

Bishop & Babcock Manufacturing Company, The, assignee: *See*—
Mayo, Edward L., and Getz.

Björkström, Bo, Varberg, Sweden. Buckle. 2,547,557, Apr. 3.

Black, Charles M., Denver, Colo. Float gate. 2,546,963, Apr. 3.

Black, James G.: *See*—
Jamison, Noel C., Koppius, Kohler, and Black.

Blackford, Benjamin B., and C. R. Wallace, United States Navy. Smoke generator. 2,546,964, Apr. 3.

Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Radiant gas burner nd means for removing products of combustion. 2,547,735, Apr. 3.

Blake, Edward S., and J. R. Durland, Nitro, W. Va., assignors to Monsanto Chemical Company, St. Louis, Mo. Polymerization of butadiene hydrocarbons in the presence of a trithiocarbonate. 2,547,150, Apr. 3.

Blake, Robert P., Winchester, assignor to Polaroid Corporation, Cambridge, Mass. Stretching continuous materials such as sheeting and the like. 2,547,736, Apr. 3.

Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Universal magnetic head. 2,547,737, Apr. 3.

Blaser, Herman J., Fostoria, Ohio, assignor to Keystone Wire Cloth Company, Hanover, Pa. Frameless screen tension. 2,547,302, Apr. 3.

Blaw-Knox Company, assignee: *See*—
Groetzinger, Raymond B.
Pottmeyer, Edward W.

Blesi, Walter, assignor to The Sheffield Corporation, Dayton, Ohio. Centering gauge for accurately locating a workpiece with respect to a keyway cutter or the like. 2,547,683, Apr. 3.

Blunk, Arch R.: *See*—
Helman, Clifford S., and Blunk.

Boat, Earl M., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Gauge head for small bores. 2,547,364, Apr. 3.

Bock, Louis H., Huntingdon Valley, and L. S. Luskin, assignors to Rohm & Haas Company, Philadelphia, Pa. Phenoxyethyl quaternary ammonium salts. 2,547,365, Apr. 3.

Bock, Louis H., Huntingdon Valley, Pa., N. H. Leake, Bristol, Tenn., and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Thiuronium compounds. 2,547,366, Apr. 3.

Bodine, Albert G., Jr., Van Nuys, Calif. Pulse jet standing wave engine with movable wave reflecting means. 2,546,965, Apr. 3.

Bodine, Albert G., Jr., Van Nuys, Calif. Multicircuit quarter wave pulse jet engine. 2,546,966, Apr. 3.

Bonadio, George A., Watertown, N. Y. Tone control. 2,547,251, Apr. 3.

Bonnett, Gerson, V. A. Rayburn, and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Spinning apparatus for working articles. 2,547,110, Apr. 3.

Boonton Radio Corporation, assignee: *See*—
McCool, William A.

Booth, Henry, Bronxville, assignor to The Henry Booth Methods Corporation, New York, N. Y. Method and apparatus for testing fabrics. 2,547,367, Apr. 3.

Booth, Henry, Bronxville, assignor to The Henry Booth Methods Corporation, New York, N. Y. Cloth rack. 2,547,368, Apr. 3.

Booth, Henry, Methods Corporation, The, assignee: *See*—
Booth, Henry.
Yonkler, Theodore.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Synthesis of pteridines. 2,547,519, Apr. 3.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Chloro pteridine and preparing the same. 2,547,520, Apr. 3.

Borg-Warner Corporation, assignee: *See*—
Freeman, Lowell C.
Zeidler, Reinhold C.

Bosworth, Wellington G., Lakewood, Ohio. Rotating cutting disk type lawn mower. 2,547,738, Apr. 3.

Bouchard, Leo J., Rosemount, J. Hammerslag, Outremont, and J. Weiner, assignors, by mesne assignments, to The Lipmatch Company Ltd., Montreal, Quebec, Canada. Packet for lip make-up applicators. 2,547,252, Apr. 3.

Bouchard, Robert, Saint-Germain en Laye, France. Drive shaft arrangement for driving steering wheels. 2,547,435, Apr. 3.

Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Pulseux, Boulanger & Cie), Clermont Ferrand, France. Plant for the continued manufacture of isoprene. 2,547,684, Apr. 3.

Bourelle, Roy F., and B. T. Widdoes, Creston, British Columbia, Canada. Top spinner and launcher. 2,547,369, Apr. 3.

Bowen, Cyril F., assignor to G. & J. Esplin Limited, Montreal, Quebec, Canada. Bottle spacer for boxes. 2,547,303, Apr. 3.

Bowers, John H., Willow Run, Mich. Holder and dispenser for rolled flexible strands. 2,547,253, Apr. 3.

Boyce, Eugene L.: *See*—
Loewe, Peter L., and Boyce.

Boyer, Charles A., Winona Lake, Ind. Rope lock. 2,547,370, Apr. 3.

Brady, James M.: *See*—
Huston, William D., and Brady.

Brady, W. H., Co., assignee: *See*—
Tobey, Frederic S.

Braeseke, Albert H., Chicago, Ill. Extruding machine. 2,547,151, Apr. 3.

Braithwaite, Albert W., assignor to The George E. Failing Supply Company, Enid, Okla. Valve. 2,547,254, Apr. 3.

Brandt Automatic Cashier Company, assignee: *See*—
Buchholz, Arnold R., Sprenger, and Hoffman.

Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A., and de Jahn.

Brassert, Herman A., Washington, Conn., and F. W. de Jahn, assignors to H. A. Brassert & Company, New York, N. Y. Reduction of metallic oxides. 2,547,685, Apr. 3.

Breault, Delphis C., Lowell, Mass. Fuel burner. 2,546,967, Apr. 3.

Bremer, Harry E., Milwaukee, Wis. Steam generating electric iron. 2,547,558, Apr. 3.

Brennan, Joseph B., Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee. Electrolytic condenser. 2,547,371, Apr. 3.

Breul, Fredric W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-guiding attachment for sewing machines. 2,547,562, Apr. 3.

Brickman, Leo: *See*—
Baker, Bruce E., Brickman, and Ryan.

Bridges, John H., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Transformer. 2,546,968, Apr. 3.

Briggs, George C., Erie, Pa. Seat frame member for flexible seated chairs. 2,547,559, Apr. 3.

British Telecommunications Research Limited, assignee: *See*—
Bellairs, Guy F., and Ireland.

Brock, Margaret M., Middle Village, N. Y. Garment hanger. 2,547,436, Apr. 3.

Brockway, Charles E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of succinonitrile. 2,547,686, Apr. 3.

Brockway Company, The, assignee: *See*—
Richardson, James C.

Brodal, Erling, and H. G. Hoyanger, assignors to Aktieselskapet Norsk Aluminium Company, Oslo, Norway. Manufacture of alkali metal aluminum fluoride. 2,547,901, Apr. 3.

Brody, David, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Moth-repellent cake and a container therefor. 2,547,687, Apr. 3.

Brody, David, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Moth-repellent cake and a container therefor. 2,547,688, Apr. 3.

Brodzinsky, Jacob, Buffalo, N. Y. Cup-shaped valve closure for combustion chambers. 2,547,560, Apr. 3.

Brooke, Lloyd F.: *See*—
Kemp, Jacob D., and Brooke.

Brooke, Norman E., Washington, D. C. Garment hanger. 2,547,561, Apr. 3.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for tone control in a low-frequency amplifier. 2,547,739, Apr. 3.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Contrast expansion circuit arrangement. 2,547,740, Apr. 3.

Broscomb, Dennis G., assignor to G. K. N. Group Services Limited, Smethwick, England. Ejector mechanism for heading and like machines. 2,547,304, Apr. 3.

Brown, Carl L.: *See*—
Aldridge, Clarence F., and Brown.

Brown, Charles A., St. Louis County, Mo. Multiple gaseous fuel burner and secondary air feed baffles. 2,547,850, Apr. 3.

Brown, John R., Cleveland, Ohio, assignor to The Reliance Gauge Column Company. Electrical alarm switch. 2,547,742, Apr. 3.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Levesque, George N.

Bruel, André A. L., Paris, France. Helicopter with automatic antitorque vane. 2,547,255, Apr. 3.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Window regulator. 2,547,851, Apr. 3.

Brungard, Guy: *See*—
Tascher, Eugene S., and Brungard.

Bryan, Ralph D., La Grange, Ill. Resilient side bearing. 2,547,852, Apr. 3.

Bryant, Cyril W., assignee: *See*—
Bryant, Elmer H.

Bryant, Elmer H., assignor of one-half to C. W. Bryant, Oklahoma City, Okla. Tenoner. 2,547,807, Apr. 3.

Buchholz, Arnold R., W. H. Sprenger, and O. E. Hoffman, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Coin handling machine. 2,547,563, Apr. 3.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Collars to prevent broken axle shaft fragments entering axle center section. 2,546,969, Apr. 3.

Buckland, Bruce O., Schenectady, N. Y., assignor to General Electric Company. Combustor with sectional-housing and liner. 2,547,619, Apr. 3.

Budd Company, The, assignee: *See*—
Burton, John E.

Buehler, Ernest, Chatham Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure bomb for chemical and physical reactions. 2,547,521, Apr. 3.

Bueler, Anton, Schwyz, Switzerland. Ski reclining seat. 2,547,073, Apr. 3.

Buell, Roy D., assignee: *See*—
Simmons, Oliver H.

Bunts, Vernon M., East Syracuse, and H. C. Holbert, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Explosive rivet firing device. 2,547,437, Apr. 3.

Burg, John E., Burlington, Iowa. Multiplane rotating movement for aerial amusement rides. 2,547,152, Apr. 3.

Burger, Irving A., Stratford, Conn. Measuring device for liquid containers. 2,547,744, Apr. 3.

Burger, Michael J., Murray Hill, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Pulse absorbing circuit. 2,547,809, Apr. 3.

Burgess, Joseph W.: *See*—
Sawyer, Allan G., and Burgess.

Burgess, Marion I., assignor of one-sixth to W. D. Adams, one-sixth to C. M. Miller, and one-sixth to H. P. Wright, Chicago, Ill. Appliance useful in permanent waving of hair. 2,547,810, Apr. 3.

Burke, Arthur J., Minneapolis, Minn. Device for use in bathing infants. 2,547,564, Apr. 3.

Burkholder, Robert J., Noel, Mo., Plow hitch with traction control linkage. 2,547,438, Apr. 3.

Burndy Engineering Company, Inc., assignee: *See*—
Rogoff, Julian.

Burnelli, Vincent J., Red Bank, N. J. Rear doorway for airfoil fuselages. 2,547,811, Apr. 3.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Bottom rail for Venetian blinds. 2,547,305, Apr. 3.

Burnside, Don G., Princeton, N. J., assignor to Radio Corporation of America. Grid-controlled electron discharge device. 2,547,372, Apr. 3.

Burr, Robert L., and J. M. Hudson, Birmingham, Ala. Baby bathtub with cloth support. 2,547,743, Apr. 3.

Burrage, Robert H., Arlington, Va. Telephone cabinet. 2,547,808, Apr. 3.

Burton, John E., assignor to The Budd Company, Philadelphia, Pa. Apparatus for cleaning gases. 2,547,902, Apr. 3.

Burton Manufacturing Company, assignee: *See*—
Mendelsohn, William A.

Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder system. 2,546,970, Apr. 3.

Butterfield, Robert J., San Gabriel, Calif., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company. Reset mechanism for pilot safety valves. 2,547,853, Apr. 3.

Byrns, Alva C., Concord, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Cement composition and making. 2,546,971, Apr. 3.

C. G. S. Laboratories, Inc., assignee: *See*—
Leonard, George H.

C-O-Two Fire Equipment Company, assignee: *See*—
Kucher, Joseph E.

Cade, Marcus S., and J. E. McLaughlin, Chillicothe, Ohio. Dividing and scaling instrument. 2,547,745, Apr. 3.

Cafardi, Paschal P., assignee: *See*—
Wellen, James F.

Caliendo, Thomas A., South Ozone Park, N. Y. Pipe reaming and burring attachment for stock and die implements. 2,547,195, Apr. 3.

California Research Corporation, assignee: *See*—
Bates, William A.
Collins, George A., Russell, and Colahan.
Kemp, Jacob D., and Brooke.
Spence, John A.

Camp, Marshall F., Creston, Iowa. Self-contained rising shade. 2,547,373, Apr. 3.

Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Intercommunication apparatus. 2,547,854, Apr. 3.

Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication apparatus. 2,547,855, Apr. 3.

Capano, Vito, Irvington, N. J. Holder for a pack of cigarettes. 2,547,620, Apr. 3.

Carabatsos, Anthony A., Haverhill, Mass. Antislipping device. 2,547,812, Apr. 3.

Cardox Corporation, assignee: *See*—
Marshall, Merrill G.

Carideo, Biagio A., West Roxbury, Mass. Rotary engine. 2,547,374, Apr. 3.

Carlson, Donald C., St. Paul, assignor to Wright Zimmerman, Inc., New Brighton, Minn. Speaker having a tubular pot. 2,547,565, Apr. 3.

Carnation Company, assignee: *See*—
Oberg, Elmer B., Nelson, and Hankinson.

Carrier Corporation, assignee: *See*—
McGrath, William L.
Reed, Winston H., and Pennington.

Carter Carburetor Corporation, assignee: *See*—
Korte, Alfred C.

Case, J. I., Company, assignee: *See*—
Markel, John M.

Casner Patents, Inc., assignee: *See*—
Roters, Herbert C.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl di-substituted methanes. 2,547,689, Apr. 3.

Castedello, William: *See*—
Schwartz, Morris, and Castedello.

Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Double-throw clamping switch. 2,547,153, Apr. 3.

Caterpillar Tractor Co., assignee: *See*—
Gustafson, Carl A.

Cawley, Clifton M.: *See*—
Cawley, James T. and C. M.

Cawley, James T. and C. M., Silsbee, Tex. Liquid seal compressor. 2,547,111, Apr. 3.

Celanese Corporation of America, assignee: *See*—
Drewitt, James G. N., and Harding.
Sharphouse, John H., and Downing.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Nonlocking doorknob latch set. 2,547,256, Apr. 3.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Doorknob. 2,547,439, Apr. 3.

Chadil, Robins L., Manhattan Beach, and S. E. Hoffer, Inglewood, assignors of one-fourth to D. E. Waggoner, Jr., and one-fourth to J. F. Gardiner, Manhattan Beach, Calif. Self-closing filling nozzle. 2,547,690, Apr. 3.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.
Salmons, George C.

Chapman, Robert R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic amplifier for motor controls. 2,547,621, Apr. 3.

Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Television synchronizing system. 2,546,972, Apr. 3.

Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for determining distance by means of electromagnetic waves. 2,546,973, Apr. 3.

Chatterjea, Prafulla K., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Pulse multiplex signaling system. 2,546,974, Apr. 3.

Chernack, Abel E., deceased, Bloomfield; M. Chernack, executrix, assignor, by mesne assignments, to Wiremold Company, Hartford, Conn. Cutoff device for tubing. 2,547,375, Apr. 3.

Chernack, Mary, executrix: *See*—
Chernack, Abel E.

Chicago Forging & Manufacturing Company, assignee: *See*—
Hynes, Dibrell P., and Moss.

Childs, Percy A.: *See*—
Towner, Stanley H., and Childs.

Christianson, Carl R.: *See*—
Smith, Leathem D., Christianson, Stearn, and Hunt.

Churchill, Ralph H., Chicago, Ill. Fuel. 2,547,691, Apr. 3.

Churnell, Frank J., Bloomfield, and K. E. Smith, Paterson, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Extrusion device. 2,546,975, Apr. 3.

Ciba Limited, assignee: *See*—
Geiger, Max, Usteri, and Ruperti.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Wettstein, Albert, and Meystre.

Cirlin, Bernard D., South Gate, Calif. Audience reaction recorder. 2,547,074, Apr. 3.

Clark, Harold L. and R. U., Belmont, Mass. Fluid conducting electrically insulated system. 2,547,440, Apr. 3.

Clark, Henry B., Elizabeth, N. J. Overhead door. 2,547,196, Apr. 3.

Clark, Richard U.: *See*—
Clark, Harold L. and R. U.

Clark, Trevor H., New York, N. Y., A. G. Clavier, and E. Rostas, Lyon, France, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge device and assembly. 2,546,976, Apr. 3.

Clary, Frank A., Jr., and G. N. Willis, Bristol, Conn., assignors to Johnson Steel & Wire Company, Inc., Worcester, Mass. Manufacture of stranded wire cables. 2,546,977, Apr. 3.

Clavier, André G.: *See*—
Clark, Trevor H., Clavier, and Rostas.

Cleaver, Richard F., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio direction finding system. 2,547,622, Apr. 3.

Clocker, Edwin T.: *See*—
Konen, James C., and Clocker.

Clybourne Machine Corporation, assignee: *See*—
Tellfors, Herbert G.

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Spot detector recorder. 2,547,623, Apr. 3.

Cofrin, Austin E., Green Bay, and S. N. Hope, Wauwatosa, assignors to Fort Howard Paper Company, Green Bay, Wis. Dispenser for napkins or similar articles. 2,547,856, Apr. 3.

Cohoe, Wallace P., New York, N. Y. Production of unfermented bread. 2,547,566, Apr. 3.

Coit, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Collapsible pallet type container. 2,547,624, Apr. 3.

Colahan, Francis L.: *See*—
Collins, George A., Russell, and Colahan.

Cole, Eugene: *See*—
Libby, Lester L., and Cole.

Cole, Prentiss L., Palo Alto, Calif. Fluid seal. 2,547,257, Apr. 3.

Colker, David H.: *See*—
Parkes, Ralph C., and Colker.

Collins, Arthur A., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning apparatus. 2,546,980, Apr. 3.

Collins, George A., Whittier, J. R. Russell, La Habre Heights, and F. L. Colahan, Whittier, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Well liner and cementing. 2,546,978, Apr. 3.

Collins, John D., 3rd, executor: *See*—
Potts, Clyde.

Collins Radio Company, assignee: *See*—
Collins, Arthur A.
Craft, Liva M.

Collison, Marian L., assignee: *See*—
Collison, William J.

Collison, William J., Pasadena, assignor of one-half to M. L. Collison, Bakersfield, Calif. Soil pipe reducer. 2,547,567, Apr. 3.

Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Marshall, Leonard J.

Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, assignee: *See*—
Bish, Jean, and Thiesse.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Guenard, Pierre.

Conn, C. G., Ltd., assignee: *See*—
Kent, Earle L.

Conner, Guy O., Cleveland Heights, Ohio, assignor, by mesne assignments, to Danly Machine Specialties, Inc. Eccentric adjusting mechanism. 2,547,197, Apr. 3.

Conover, James H.: *See*—
Minnis, Bradford R., and Conover.

Constructions Electro-Mecaniques de Saint-Etienne, assignee: *See*—
Gérentès, Jean.

Continental Motors Corporation, assignee: *See*—
Baker, Malvern S.
Jackson, Thomas.

Cook, George B., Summit, N. J., assignor to Standard Oil Development Company. Expansion joint seal. 2,547,746, Apr. 3.

Cook, James E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Sanitary foot mount for centrifuges and the like. 2,547,075, Apr. 3.

Cook, Wayne S., Grand Rapids, Mich., assignor to Sackner Products, Inc. Lubricant filter. 2,547,857, Apr. 3.

Coons, Omer B., and H. P. Dukes, Crawfordsville, Ind. Conductor pipe hanger. 2,547,813, Apr. 3.

Cooper, Cedric B., Vancouver, British Columbia, Canada. Tube closure. 2,547,306, Apr. 3.

Copeman Laboratories Company, assignee: *See*—
Plouff, Clifford E.

Copping, Bruce G.: *See*—
Wegman, Evert S., and Copping.

Cornwell, Lionel B., New Canaan, Conn. Tone arm. 2,547,441, Apr. 3.

Corson, Almon J., Marblehead, Mass., assignor to General Electric Company. Temperature measuring apparatus. 2,547,625, Apr. 3.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making retractile cordage. 2,547,357, Apr. 3.

Cozhead, Ralph C., Corporation, assignee: *See*—
Norton, Charles W.

Cozzone, John A., Newark, N. J. Educational construction unit. 2,546,979, Apr. 3.

Craft, Liva M., Cedar Rapids, Iowa, assignor to Collins Radio Company. Pulsing circuit. 2,546,981, Apr. 3.

Crafton, Walter, Dallas, and J. G. Young, Mesquite, Tex. Grinding device. 2,547,442, Apr. 3.

Craig, Hallett E., assignor to M. H. Craig, Pittsburgh, Calif. Can opener. 2,547,258, Apr. 3.

Craig, Minerva H., assignee: *See*—
Craig, Hallett E.

Craig, Winfred C., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Yellow diffusion-fast color formers of the benzimidazole class. 2,547,307, Apr. 3.

Crawford, Thelma E., Clayton, Mo. Eyebrow shaver. 2,547,376, Apr. 3.

Creed and Company Limited, assignee: *See*—
Salmon, Reginald D.

Crompton & Knowles Loom Works, assignee: *See*—
Robb, Walter Y.

Crown Controls Company, Inc., assignee: *See*—
Smith, Roland L.

Crumrine, Chester W., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Carriage positioning mechanism. 2,547,443, Apr. 3.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Cuff, Barbara T., Huntington Beach, Calif. Bobby pin spreader. 2,547,814, Apr. 3.

Cunningham, Earl W.: *See*—
Freshwater, Edmon S., Muth, and Cunningham.

Curry, Earle P., Brockton, Mass. Rotary disk tiller. 2,547,444, Apr. 3.

Curtiss, Austin E.: *See*—
Eaglesfield, Robert D., Curtiss, and Meggenhofen.

Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.

Cyclone Seeder Co., Inc., The, assignee: *See*—
Speicher, Harold S.

Daly, George F., Endicott, G. V. A. Malmros, Binghamton, and D. W. Haney, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Record perforating machine. 2,547,445, Apr. 3.

Daniels, Llewllyn J., San Francisco, Calif. Container and pallet. 2,547,112, Apr. 3.

Danly Machine Specialties, Inc., assignee: *See*—
Conner, Guy O.

Darrow, George A., Glendale, Calif. Producing a bacon rind product. 2,547,747, Apr. 3.

Davis, Raymond E., Berkeley, Calif. Concrete structure and making same. 2,546,982, Apr. 3.

D'Azzo, Errol P., New York, N. Y. Store awning. 2,547,692, Apr. 3.

D'Azzo, Errol P., New York, N. Y. Store front and awning assembly device. 2,547,693, Apr. 3.

Dean, John H., Rochester, N. Y. Luminous fishing float. 2,547,308, Apr. 3.

Dean, Walter B., Narberth, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Adjustable seat. 2,547,446, Apr. 3.

Dearborn, Howard K., Cleveland, Ohio. Center. 2,547,858, Apr. 3.

De Boer, Kornelis, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Apparatus for stereophonic sound reproduction. 2,547,447, Apr. 3.

De Brey, Heinrich: *See*—
Rinia, Herre, and de Brey.

Deere Manufacturing Co., assignee: *See*—
Fletcher, Edward H.

Deister Concentrator Company, The, assignee: *See*—
Stone, Spencer A.

De Jahn, Fredrik W.: *See*—
Brassert, Herman A., and de Jahn.

De Juhasz, Kalman J., State College, Pa. Check valve device. 2,547,377, Apr. 3.

De Laval Separator Company, The, assignee: *See*—
Cook, James E.

Del Buttero, Enzo, Milano, Italy, assignor to Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France. Container. 2,546,983, Apr. 3.

Deloraine, Edmond M., and L. Goldstein, assignors to International Standard Electric Corp., New York, N. Y. Communication system. 2,546,984, Apr. 3.

Demuth, Charles, Mineola, N. Y. Hot-air space heater. 2,547,448, Apr. 3.

De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Copolymerization of vinylidene halides with certain ethylenically unsaturated compounds. 2,547,815, Apr. 3.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.
Krueger, Alfred P.

De Selgas y Marin, Ezequiel: *See*—
Laffon y Soto, Alberto, and de Selgas y Marin.

Detrex Corporation, assignee: *See*—
Hamacher, Joseph D., and Barns.

Detroit Michigan Stove Company, assignee: *See*—
Lucas, Ralph, and Reedy.

De Venne, John E., Waltham, Mass. Implement for setting jewel pins. 2,547,198, Apr. 3.

Dewey and Almy Chemical Company, assignee: *See*—
Merrill, Edward W.

DeWitt, Charles C., Fruitland P. O., Ontario, Canada. Offset tiller operated by tractor power take-off. 2,547,568, Apr. 3.

Dezzani, John, Los Angeles, Calif., assignor to All-American Novelty Company, Inc. Electric signal switch. 2,547,199, Apr. 3.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio-frequency mixer. 2,547,378, Apr. 3.

Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Proportional spacing mechanism for typewriters. 2,547,449, Apr. 3.

Dodington, Sven H. M., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Altitude indicating system. 2,546,985, Apr. 3.

Donahue, William J., Jr.: *See*—
Graumann, Raymond L., and Donahue.

Donaldson Company, Inc., assignee: *See*—
Lowther, Wilfred W.

Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Getter structure for electric discharge tubes. 2,547,200, Apr. 3.

Dosmann, Lucien P., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Latex deposited article. 2,547,694, Apr. 3.

Douglas Aircraft Company, Inc., assignee: *See*—
Farhat, Annis A.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Controller for hydrodynamic machines. 2,547,154, Apr. 3.

Douglass, Myrl R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling highway crossing signals. 2,547,626, Apr. 3.

Dow Chemical Company, The, assignee: *See*—
Fry, Ashford H., Kirk, and George.
George, Percy F., Fry, and Kirk.
Johnson, Julius E., Jr., and Mussell.

Downing, John: *See*—
Sharphouse, John H., and Downing.

Doyle, Arthur J.: *See*—
Duffie, James A., and Doyle.

Dreischerf, Henry C., Chicago, Ill. Device for handling burial vaults. 2,547,627, Apr. 3.

Dressler, William C., College Point, N. Y., assignor, by mesne assignments, to Mills Industries, Incorporated, Chicago, Ill. Merchandise vending machine. 2,546,986, Apr. 3.

Drewitt, James G. N., Spondon, near Derby, and G. F. Harding, London, England, assignors to Celanese Corporation of America. Production of poly-ester-amides. 2,547,113, Apr. 3.

Du Bois, Hilyer A., Hempstead, assignor of one-half to E. J. Venaglia, East Hempstead, N. Y. Audio automatic volume control system. 2,547,903, Apr. 3.

Du Bois, William R., Indianapolis, Ind., assignor to Radio Corporation of America. Safety latch and switch. 2,547,076, Apr. 3.

Dudley, Oral C.: *See*—
Smith, Opal, and Dudley.

Duffie, James A., Chicago, Ill., and A. J. Doyle, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Railway batch cover and locking the same. 2,547,859, Apr. 3.

Dukes, Herbert P.: *See*—
Coons, Omer B., and Dukes.

Duncan, Forest M., New York, N. Y. Key container combined with a flashlight. 2,547,816, Apr. 3.

Duncan, James D., assignee: *See*—
Strickland, Allard D.

Duncan, James D., Loris, S. C. Oil burner. 2,547,842, Apr. 3.

Dunn, Joseph A., assignee: *See*—
Jetter, Harry.

Dunn, Roland H.: *See*—
McWhirter, Eric M. S., Dunn, and Lennox.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cass, Oliver W.

Du Pont, Eleuthere P., deceased, Montchanin, Del.; Equitable Trust Company and J. Hemphill, executors of said E. P. du Pont. Illuminating and pouring device for bottles. 2,547,450, Apr. 3.

Durland, John R.: *See*—
Blake, Edward S., and Durland.

Dzus, William, West Islip, N. Y. Floating fastener receptacle. 2,547,155, Apr. 3.

Eaglesfield, R. D., Corporation, assignee: *See*—
Eaglesfield, Robert D., Curtiss, and Meggenhofen.

Eaglesfield, Robert D., A. E. Curtiss, and C. W. Meggenhofen, assignors to R. D. Eaglesfield Corporation, Indianapolis, Ind. Power steering control for garden tractors or the like. 2,547,695, Apr. 3.

Eannarino, George J., Arlington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Noise suppression circuit. 2,546,987, Apr. 3.

Easy Washing Machine Corporation, assignee: *See*—
Bunts, Vernon M., and Holbert.

Eber, Alfred J., Monroe, Mich. Reversible auxiliary handle for lawn trimmers. 2,547,451, Apr. 3.

Eberly, John H., Lancaster, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Circumferentially traveling thrust tire mounting machine. 2,546,988, Apr. 3.

Edson, William W., Auburndale, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical distribution system. 2,547,452, Apr. 3.

Egy, Joseph H., Enon, Ohio. Variable-speed transmission device. 2,547,453, Apr. 3.

Eichelman, William H., Westlake, assignor to M. L. Benjamin, Shaker Heights, Ohio. Floating toolholder. 2,547,522, Apr. 3.

Eicher, William F., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electronic pulse generator. 2,547,523, Apr. 3.

Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Inner spring assembly. 2,547,904, Apr. 3.

Electric Eye Equipment Company, assignee: *See*—
Loveless, Boyd B., Alhand, and Sample.

Electric & Musical Industries Limited, assignee: *See*—
Johnson, Leonard R. J., Holloway, and White.

Electrical Engineers Equipment Company, assignee: *See*—
Farrell, Fred.

Electrolux Corporation, assignee: *See*—
Beede, Arnold H.

Electronic Tube Corporation, assignee: *See*—
Silverman, Martin.

Elicon Company, The, assignee: *See*—
Mersereau, Everard C.

Ellis, Leo J., Medford, Mass. Machinist's gauge. 2,547,114, Apr. 3.

Ellsworth, Ransom C., Leroy, assignor to The Ohio Boxboard Company, Rittman, Ohio. Folding carton. 2,547,628, Apr. 3.

Elmer, William B., Boston, Mass., and R. R. Rimer, Sharon, Pa., assignors by mesne assignments to the United States of America as represented by the Secretary of the Navy. Pneumatically actuated operator for removing rip covers from tanks. 2,547,309, Apr. 3.

Emerson Electric Mfg. Co., The, assignee: *See*—
Veltman, John C., and Michelsen.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 2-vinylthiophene from thiophene by chloroethylation and dehydrohalogenation. 2,547,905, Apr. 3.

Engel, Bruno K., Hoglandstorget, and F. T. E. Palmqvist, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Refining mineral oils. 2,547,629, Apr. 3.

Engelhardt, Henry A., Garwood, N. J. Educational device. 2,547,259, Apr. 3.

Engstrom, Ralph W., East Petersburg, Pa., assignor to Radio Corporation of America. Temperature compensation. 2,547,379, Apr. 3.

Equitable Trust Company, executor: *See*—
Du Pont, Eleuthere P.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispenser. 2,547,569, Apr. 3.

Essex Wire Corporation, assignee: *See*—
Prouty, Robert E.

Esval, Orland E., Huntington, W. Wrigley, East Hempstead, and R. Haskins, Jr., Garden City, N. Y., assignors to The Sperry Corporation. Attitude gyro. 2,546,989, Apr. 3.

Etablissements G. Decombe, assignee: *See*—
Gazet, Marius.

Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Walking heel. 2,547,570, Apr. 3.

Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Hip fracture drill guide. 2,547,571, Apr. 3.

Euverard, Maynard R., Short Hills, N. J., and P. N. Gardner, Bethesda, Md., assignors to Interchemical Corporation, New York, N. Y. Dry film gauge. 2,546,990, Apr. 3

Evans, Francis T., Fairfax, Va. Watch pocket shaver. 2,547,077, Apr. 3.

Evans, James E.: *See*—
Lassiat, Raymond C., Kelso, and Evans.

Evans, James E., Wallingford, Pa., and R. M. Shirk, assignors to Houdry Process Corporation, Wilmington, Del. Cable system for hoisting mechanisms. 2,546,991, Apr. 3.

Evans, Liley A., Richland, Wash., assignor to General Electric Company. Fluid-tight shield for rotatable shafts. 2,547,630, Apr. 3.

Evans, William E., Jr., Sacramento, Calif. Electron tube and circuit therefor. 2,547,631, Apr. 3.

Ewing Development Company, assignee: *See*—
Ewing, Walkley B., and Grebe.

Ewing, Walker B., Grand Haven, Mich., and J. J. Grebe, Oakridge, Tenn., assignors to Ewing Development Company, Bay City, Mich. Sun screen with plastic warp. 2,547,632, Apr. 3.

Failing, George E., Supply Company, The, assignee: *See*—
Braithwaite, Albert W.

Farhat, Annis A., West Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rotary shaft seal. 2,547,633, Apr. 3.

Farnsworth Research Corporation, assignee: *See*—
Ferguson, Joseph C.
Havens, Arthur R.
Luckock, Wayne J.

Farrell, Fred, Cedar Rapids, Iowa, assignor to Electrical Engineers Equipment Company, Melrose Park, Ill. Mounting means for circuit breakers or the like. 2,547,156, Apr. 3.

Faustini, Albert J., Buffalo, N. Y., assignor to Telechron, Inc. Varying ratio drive for nonuniform scale meters. 2,547,634, Apr. 3.

Federal Telephone and Radio Corporation, assignee: *See*—
Busignies, Henri G.
Churnell, Frank J., and Smith.
Eannarino, George J.
Grieg, Donald D.
Libby, Lester L., and Cole.
Smith, Archibald D., Jr., and Guthman.

Fegely, Hugh S., Snyder, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Loop control system. 2,547,201, Apr. 3.

Felt & Tarran Manufacturing Company, assignee: *See*—
Turck, Joseph A. V.

Ferguson, Isabelle R.: *See*—
Young, Richard H., and Ferguson.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Controlled electron multiplier. 2,546,992, Apr. 3.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. High efficiency class C amplifier. 2,546,993, Apr. 3.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing alkane sulfonic acids. 2,547,906, Apr. 3.

Fleck, Raymond N., assignor to Union Oil Company of California, Los Angeles, Calif. Catalyst for hydrocarbon conversion. 2,547,380, Apr. 3.

Flectolite, assignee: *See*—
Young, Richard H., and Ferguson.

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,547,572, Apr. 3.

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake beam guide. 2,547,860, Apr. 3.

Fletcher, Edward H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Variable position control for hydraulic systems. 2,547,861, Apr. 3.

Flint, Charles R., La Porte, Ind. Exhaust manifold device. 2,547,454, Apr. 3.

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Photoelectric, liquid-level inclinometer. 2,547,310, Apr. 3.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Fluor Corporation, Ltd., The, assignee: *See*—
McCartney, Edward R.

Foglio, James J., New Rochelle, N. Y. Venetian blind. 2,547,260, Apr. 3.

Folley, Janine, Toronto, Ontario, Canada. Rubber roller for massaging. 2,547,115, Apr. 3.

Food Machinery and Chemical Corporation, assignee: *See*—
Johnson, Oscar H.

Fort Howard Paper Company, assignee: *See*—
Cofrin, Austin E., and Hope.

Fort Wayne Tool, Die and Engineering Company, assignee: *See*—
Nill, Richard G., and Patterson.

Foster, Frederick J., assignor to United States Rubber Company, New York, N. Y. Soluble fusible unsaturated halogen-containing resins made by polymerization of mixture of di-2-alkenyl maleate, di-2-alkenyl fumarate and bromomethane compound typified by bromotrichloromethane. 2,547,696, Apr. 3.

Fowler, Henry F., deceased, and E. E. Bishoff, Louisville, Ky.: M. S. Fowler, administratrix of H. F. Fowler. Automatic rain-water control for cisterns. 2,547,381, Apr. 3.

Fowler, Mary S., administratrix: *See*—
Fowler, Henry F., and Bishoff.

Frank, Stanley L., Oakland, Calif. Squeegee operating and control mechanism. 2,547,817, Apr. 3.

Frazier, John W.: *See*—
Heintz, Ralph M., Frazier, and Koch.

Freeman, Lowell C., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Folding work surface with plural section cover. 2,547,382, Apr. 3.

Freeman, Roland J., Baldwin, N. Y. Resiliently pivoted back rest. 2,547,455, Apr. 3.

Freer, Robert R., Cleveland Heights, Ohio. Flexible loop jar cap wrench. 2,547,748, Apr. 3.

Freshwater, Edmon S., Detroit, Mich., R. C. Muth, Elmhurst, Ill., and E. W. Cunningham, Schenectady, N. Y., assignors to General Electric Company. High-frequency induction heating apparatus. 2,547,635, Apr. 3.

Frick, Charles W.: *See*—
Gardiner, Paul C., and Frick.

Friedrich, Robert E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil circuit interrupter. 2,547,202, Apr. 3.

Fromageot, Antoine, M. A. Lalande, and R. Redard, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Multiplex carrier current telephony. 2,546,994, Apr. 3.

Fry, Ashford B.: *See*—
George, Percy F., Fry, and Kirk.

Fry, Ashford B., R. C. Kirk, and P. F. George, assignors to The Dow Chemical Company, Midland, Mich. Magnesium primary cell. 2,547,907, Apr. 3.

Fry, Ashford B., R. C. Kirk, and P. F. George, assignors to The Dow Chemical Company, Midland, Mich. Primary cell. 2,547,908, Apr. 3.

Fumagalli, Charles, Guatemala City, Guatemala. Windmill electric generating and storage system, including controlling means. 2,547,636, Apr. 3.

G. & J. Esplin Limited, assignee: *See*—
Bowen, Cyril F.

G. K. N. Group Services Limited, assignee: *See*—
Broscomb, Dennis G.

Gallo, Conrad, Brooklyn, N. Y. Adjustable festoon. 2,547,697, Apr. 3.

Galloway, Arthur L.: *See*—
Arnold, Robert B., and Galloway.

Gannone, Anthony S., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Rapper for electrical precipitation apparatus. 2,547,573, Apr. 3.

Gardiner, James F., assignee: *See*—
Chadil, Robins L., and Hoffer.

Gardiner, Paul C., Scotia, and C. W. Frick, Schenectady, N. Y., assignors to General Electric Company. High-frequency antenna structure. 2,547,637, Apr. 3.

Gardiner, Elliott W., Conklin, assignor to International Business Machines Corporation, New York, N. Y. Verifying machine. 2,547,456, Apr. 3.

Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Image storage tube. 2,547,638, Apr. 3.

Gardner, Paul N.: *See*—
Euverard, Maynard R., and Gardner.

Garfield, Harold, Forest Hills, N. Y. Pocketed display card. 2,547,078, Apr. 3.

Garutso, Inc., assignee: *See*—
Garutso, Stephen E.

Garutso, Stephen E., San Fernando, Calif., assignor to Garutso, Inc. Condensing stereoscopic lens. 2,546,995, Apr. 3.

Garutso, Stephen E., San Fernando, Calif., assignor to Garutso, Inc. Deep focus lens. 2,546,996, Apr. 3.

Gavett, Weston, executor: *See*—
Potts, Clyde.

Gazet, Marius, assignor to Etablissements G. Decombe, Lyon, France. Making reels. 2,547,574, Apr. 3.

Gearon, Edward: *See*—
Gearon, John A. and E.

Gearon, John A. and E., Chicago, Ill. Signal flare. 2,547,698, Apr. 3.

Geiger, Max, and E. Usteri, Basel, and A. Ruppert, Arlesheim, assignors to Ciba Limited, Basel, Switzerland. Pest combating compositions. 2,547,261, Apr. 3

Geigy, J. R., A. G., assignee: *See*—
Häusermann, Heinrich, and Zweidler.
Hindermann, Peter.

Geist, Layha S., administratrix: *See*—
Siren, Anne.

Gelman, Harry A. and M., assignors to Triple A Products, Chicago, Ill. Combination chair and ladder. 2,547,699, Apr. 3.

Gelman, Mac: *See*—
Gelman, Harry A. and M.

General Aniline & Film Corporation, assignee: *See*—
Craig, Winfred C.
Grosser, Frederick.
Randall, David I.
Von Glahn, William H., and Stanley.

General Detroit Corporation, The, assignee: *See*—
Barclay, Ivar.

General Electric Company, assignee: *See*—
Bedford, Burnice D.
Buckland, Bruce O.
Cockrell, William D.
Corson, Almon J.
Evans, Liley A.
Freshwater, Edmon S., Muth, and Cunningham.
Gardiner, Paul C., and Frick.
Hogue, Alfred L., Raney, Young, and Runaldue.
Marsh, Myrle O.
Moore, John R.
Olsen, Ronald W.
Palme, Arthur, and Hannon.
Peters, Philip H., Jr.
Prince, David C.
Rich, Theodora A., and Bigelow.
Rowell, Ralph M.
Treanor, Edward D.
Wilcock, Donald F., and Hurd.
Wolfe, John K.

General Mills, Inc., assignee: *See*—
Moe, Owen A., and Warner.
Warner, Donald T., and Moe.

General Motors Corporation, assignee: *See*—
Harada, Henry H.
Truxell, Clyde W., Jr.
Wernig, James H.

General Refractories Company, assignee: *See*—
Heuer, Russell P.

General Tire and Rubber Company, The, assignee: *See*—
Treckman, Henry.

Genovese, Edgar N., Baltimore, Md. Can holder with perforating discharge and vent tubes. 2,547,311, Apr. 3.

Genovese, Edgar N., Baltimore, Md. Animated attachment for drinking glasses. 2,547,312, Apr. 3.

Gensheimer, William T., New York, N. Y. Sewing-machine attachment. 2,547,639, Apr. 3.

George, Percy F.: *See*—
Fry, Ashford B., Kirk, and George.

George, Percy F., A. B. Fry, and R. C. Kirk, assignors to The Dow Chemical Company, Midland, Mich. Primary cell. 2,547,909, Apr. 3.

Gérentès, Jean, assignor to Constructions Electro-Mecaniques de Saint-Etienne, Saint-Etienne, France. Transmission for drilling machines. 2,547,079, Apr. 3.

Getz, Arnstead G.: *See*—
Mayo, Edward L., and Getz.

Ghertman, Iolno, Saint-Mande, France, assignor to International Business Machines Corporation, New York, N. Y. Drive means for reciprocable type bars. 2,547,457, Apr. 3.

Gibbons, James H., Tipp City, Ohio. Cutoff mechanism. 2,547,157, Apr. 3.

Gilbo, De Motte W., Flint, Mich., assignor to American Telephone and Telegraph Company. Telegraph repeater. 2,547,575, Apr. 3.

Gilmore, Samuel E., assignor to Kunkle Valve Company, Fort Wayne, Ind. Relief valve. 2,547,862, Apr. 3.

Glitsch Engineering Company, assignee: *See*—
Glitsch, Hans C.

Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Bubble cap riser. 2,547,383, Apr. 3.

Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Bubble cap assembly. 2,547,384, Apr. 3.

Glover, Rexford C., Clio, Mich. Conduit for electrical connections and outlet terminals. 2,547,385, Apr. 3.

Gochenour, Carl I., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Perfluoro carbon compounds. 2,546,997, Apr. 3.

Godfrey, Kenneth L., Dunbar, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of thiophosphoryl chloride. 2,547,158, Apr. 3.

Godschalk, Jacques L., Chicago, Ill. Folding bed. 2,547,863, Apr. 3.

Goff, Charles E., Sherrill, N. Y. Pin setting machine. 2,547,203, Apr. 3.

Gohorel, Fernand P., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Secondary preselector. 2,546,998, Apr. 3.

Goldman, Leon, Nyack, assignor to American Cyanamid Company, New York, N. Y. Isolation of penicillin. 2,547,640, Apr. 3.

Goldstein, Ladislas: *See*—
Deloraine, Edmond M., and Goldstein.

Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Resuscitator. 2,547,458, Apr. 3.

Goodrich, B. F., Company, The, assignee: *See*—
Baumgartner, Luther L.
Brockway, Charles E.
Stewart, Floyd D.

Gosline, Gilbert G.: *See*—
Jacobsen, Le Roy V., and Gosline.

Gosser, John R., Holt, Calif. Automatic trailer coupling. 2,547,313, Apr. 3.

Gould, Everett P., Hebron, N. Y. Operator-supported power drill. 2,547,818, Apr. 3.

Gould, Wallace E., assignor to Mueller Co., Decatur, Ill. Valve. 2,547,116, Apr. 3.

Graham, Dallas P., Columbus, Ohio, assignor to Greensburg Machine Company, Greensburg, Pa. Self-propelled railway vehicle. 2,547,700, Apr. 3.

Grant, Philip J., Oakland, Calif. Insecticide container. 2,547,314, Apr. 3.

Gratzmuller, Anne-Marie: *See*—
Touraton, Emile, Zwobada, and Gratzmuller.

Graumann, Raymond L., Alexandria, Va., and W. J. Donahue, Jr., Washington, D. C. Fuse. 2,546,999, Apr. 3.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for simultaneously advancing and plasticizing plastic compounds. 2,547,000, Apr. 3.

Gray, Charles S., assignor of one-half to N. H. Jacovatos, New York, N. Y. Grain stripping mechanism. 2,547,749, Apr. 3.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current storage device utilizing semiconductor. 2,547,386, Apr. 3.

Gray, Roy W., St. Joseph, Mo. Sliding window fastener. 2,547,315, Apr. 3.

Grebe, John J.: *See*—
Ewing, Walkley B., and Grebe.

Green, Abram F., St. Petersburg, Fla. Carrier. 2,547,459, Apr. 3.

Green, George, Houston, Tex. Well packer. 2,547,387, Apr. 3.

Greensburg Machine Company, assignee: *See*—
Graham, Dallas P.
Schubert, Rudolph R.

Greenstein, Saul, Philadelphia, assignor of one-eighth to A. McIlroy, Gladwyne, Pa. Multiple dry cell battery. 2,547,262, Apr. 3.

Gregg, Robert A., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble fusible unsaturated halogen-containing resins made by polymerization of di-2-alkenyl ester of an alpha-ethylenic dicarboxylic acid in the presence of a bromomethane compound typified by bromotrichloromethane. 2,547,701, Apr. 3.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Drop channel pulse multiplex system. 2,547,001, Apr. 3.

Griffin, Steve, Oakland, Calif. Glove. 2,547,388, Apr. 3.

Groetzinger, Raymond B., assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace door or the like. 2,547,204, Apr. 3.

Gross, Donald A., San Antonio, Tex. Swivel joint. 2,547,316, Apr. 3.

Gross, George E., Chicago, Ill. Key container. 2,547,524, Apr. 3.

Grosser, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Vinylether-tri-or tetrachloroethylene interpolymerization products and producing the same. 2,547,819, Apr. 3.

Guenard, Pierre, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Device for stabilizing the frequency of an ultra short wave transmitter. 2,547,159, Apr. 3.

Guinchard, Eric Yverdon, assignor to Paillard, S. A., Sainte-Croix, Vaud, Switzerland. Camera lens mount. 2,547,576, Apr. 3.

Gouldhav, Henning: *See*—
Brodal, Erling, and Guldhav.

Gustafson, Carl A., assignor to Caterpillar Tractor Co., Peoria, Ill. Transmission shifting device. 2,547,317, Apr. 3.

Guthman, Horace M.: *See*—
Smith, Archibald D., Jr., and Guthman.

Hadley Company, Incorporated, The, assignee: *See*—
Ingleby, George A.

Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recorder checking device. 2,547,525, Apr. 3.

Hajdyla, Walter R.: *See*—
Stulpin, Edward L., and Hajdyla.

Hall, Donald L., assignor to Barber-Colman Company, Rockford, Ill. Programmed temperature control using a Wheatstone bridge. 2,547,750, Apr. 3.

Hall, Walter L., assignor to Whizzer Motor Company, Pontiac, Mich. Coaster brake. 2,547,864, Apr. 3.

Hallander, Elvin E., West Caldwell, assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Filter apparatus. 2,547,205, Apr. 3.

Hallock, Robert L., Larchmont, N. Y. Grid for ice trays. 2,547,389, Apr. 3.

Haloski, Frank: *See*—
Verheyden, James A., and Haloski.

Hamacher, Joseph D., and R. W. Barns, assignors to Detrex Corporation, Detroit, Mich. Countercurrent extraction apparatus. 2,547,577, Apr. 3.

Hamilton, Arthur S., Jr., Brighton, N. Y. Loading ramp. 2,547,460, Apr. 3.

Hammar, Gustaf W., Moscow, Idaho, G. A. Noddin, Wenonah, N. J., D. E. Rosen, Takoma Park, and F. J. Trelease, Oxford, Md., assignors to the United States of America as represented by the Secretary of the Navy. Fuse and igniter. 2,547,820, Apr. 3.

Hammerslag, Julius: *See*—
Bouchard, Leo J., Hammerslag, and Weiner.

Hampton, Donald M., Odessa, Tex. Well tool. 2,547,461, Apr. 3.

Hanau, Nathaniel A., Essex Fells, N. J. Pastry products and preparation thereof. 2,547,206, Apr. 3.

Haney, Donald W.: *See*—
Daly, George F., Malmros, and Haney.

Hankinson, Cloyce L.: *See*—
Oberg, Elmer B., Nelson, and Hankinson.

Hanks, Marshall W., assignor to Hankscraft Company, Madison, Wis. Liquid conductor heater. 2,547,865, Apr. 3.

Hankscraft Company, assignee: *See*—
Hanks, Marshall W.

Hanna, Waldo E., Mount Cory, Ohio. Seed potato slicer. 2,547,702, Apr. 3.

Hannon, Cyril H.: *See*—
Palme, Arthur, and Hannon.

Hanson, Edward, Cleveland, assignor of one-tenth to G. B. Pitta, Cleveland Heights, Ohio. Apparatus for determining the liquid level in a container. 2,547,002, Apr. 3.

Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.

Hapman, Henry W., assignor, by mesne assignments, of sixty per cent to H. W. Hapman and forty per cent to H. J. Hapman, Detroit, Mich. Conveyer vibrator. 2,547,462, Apr. 3.

Harada, Henry H., Grand Blanc, assignor to General Motors Corporation, Detroit, Mich. Resetting device. 2,547,751, Apr. 3.

Harding, Gordon F.: *See*—
Drewitt, James G. N., and Harding.

Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Tube and pipe fitting. 2,547,318, Apr. 3.

Harding, Logan C., assignee: *See*—
Harding, Hiram R.

Harding, Roy F., Charlo, Mont. Stanchion. 2,547,319, Apr. 3.

Hardwick, Christopher L., Cleveland, Tenn. Oven door. 2,547,117, Apr. 3.

Harris, Dwight E., Stamford, assignor to The Skinner Chuck Company, Norwalk, Conn. Electromagnetically operated valve structure. 2,547,390, Apr. 3.

Harrison, Henry: *See*—
Murdach, William M., and Harrison.

Harrocks-Ibbotson Company, assignee: *See*—
Lauterbach, Alexander B.

Hart, John, Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Biscuit and like cutting and embossing machine. 2,547,118, Apr. 3.

Hartford National Bank & Trust Co., assignee, trustee: *See*—
Broos, Henricus A.
De Boer, Kornelis.
Dorgelo, Eduard G.
Horowitz, Alexandre, and Kooy.
Jonker, Johan L. H., and Slz.
Kraayeveld, Pieter J.
Reynst, Maximilien F.
Rinia, Herre, and de Brey.
Smart, Leslie D.
Spoor, Theodorus A.
Strutt, Maximiliaan J. O., and van der Ziel.
Vervest, Wilhelmus L., and Waarlé.

Hartwell, Thomas M., El Cerrito, Calif. Rug binding apparatus and method. 2,547,821, Apr. 3.

Harvey, Dorothy J.: *See*—
Zienty, Ferdinand B., and Harvey.

Harworth, Keith K., Menlo Park, and R. U. Temby, Sunnyvale, Calif. Pit inspector. 2,547,207, Apr. 3.

Haskins, Robert, Jr.: *See*—
Esval, Orland E., Wrigley, and Haskins.

Hasselstrom, Torsten, and M. Stoll, New York, N. Y., assignors to U. S. Industrial Chemicals, Inc., Newark, N. J. Refining of tall oil soap. 2,547,208, Apr. 3.

Hasskamp, Fred C., assignor of one-third to S. E. Koop, Crosby, Minn., and by decree of distribution of six twenty-sevenths to L. Hasskamp, two twenty-sevenths to M. H. Murphy, two twenty-sevenths to I. H. Roth, two twenty-sevenths to F. H. Hasskamp, two twenty-sevenths to R. J. Hasskamp, two twenty-sevenths to K. J. Hasskamp, and two twenty-sevenths to P. A. Hasskamp. Snow loader. 2,547,752, Apr. 3.

Hasskamp, Fred H., assignee: *See*—
Hasskamp, Fred C.

Hasskamp, Kenneth J., assignee: *See*—
Hasskamp, Fred C.

Hasskamp, Laura, assignee: *See*—
Hasskamp, Fred C.

Hasskamp, Patricia A., assignee: *See*—
Hasskamp, Fred C.

Hasskamp, Robert J., assignee: *See*—
Hasskamp, Fred C.

Hastings, Charles E., Hampton, Va. Electromagnetic switch. 2,547,003, Apr. 3.

Hauschild, Frederick J., Oneonta, N. Y. Flange plow. 2,547,391, Apr. 3.

Häusermann, Heinrich, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Acylated derivatives of certain diamino distyrylbenzene disulfonic acids. 2,547,910, Apr. 3.

Haut, Walter E., assignor of one-half to W. C. Maltby, Chicago Heights, Ill. Cabinet composed of interlocking sections. 2,547,463, Apr. 3.

Havens, Arthur R., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation Pulse generating device. 2,547,004, Apr. 3.

Haseltine Research, Inc., assignee: *See*—
Loughren, Arthur V.

Hebeler, Edward S., Williamsville, N. Y. Spring clamp connector. 2,547,080, Apr. 3.

Hedley, Herbert S., Banning, Calif. Radius guide for cutting torches. 2,547,320, Apr. 3.

Hehr, Frederick G., Santa Monica, Calif. Sound recording and reproducing apparatus. 2,547,464, Apr. 3.

Heimann, Heinrich, New York, and H. K. Waldes, Jackson Heights, assignors to Waldes-Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring. 2,547,263, Apr. 3.

Heintz, Ralph M., Cleveland, J. W. Frazier, Shaker Heights, and L. J. Koch, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Crankshaft bearing assembly. 2,547,465, Apr. 3.

Helman, Clifford S., and A. R. Blunk, Dayton, Ohio. Fish lure. 2,547,264, Apr. 3.

Hemphill, John, executor: *See*—
Du Pont, Eleuthere P.

Henderson, Adam, Houston, Tex. Flanged coupling seal. 2,547,321, Apr. 3.

Henderson, James J., Esquimalt, British Columbia, Canada. Cigarette. 2,547,119, Apr. 3.

Henderson, Walter L., Marshall, Minn. Bath cabinet for babies. 2,547,641, Apr. 3.

Hennigan, Richard D., Calera, Okla. Peanut cultivator. 2,547,753, Apr. 3.

Hercules Powder Company, assignee: *See*—
Laughlin, Kenneth C.
Rummelsburg, Alfred L.

Hermont, Alfred J., Houston, and J. C. Toups, Bellaire, Tex., assignors to Shell Development Company, San Francisco, Calif. Seismic exploration system. 2,547,703, Apr. 3.

Herrick, John H., Wellesley, Mass., and J. P. Pancoast, Glen Rock, N. J. Container. 2,547,005, Apr. 3.

Herrick, Robert E., Brooklyn, N. Y. Combination typewriter box, desk, and seat. 2,547,754, Apr. 3.

Herwig, Robert S., Arlington, assignor to Bendix Aviation Corporation, Teterboro, N. J. Plating a carbon or graphite part with chromium. 2,547,120, Apr. 3.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Billet heating. 2,547,755, Apr. 3.

Hess, Robert E., Burbank, assignor to Miter King Company, Los Angeles, Calif. Adjustable miter box. 2,547,121, Apr. 3.

Heston, Roger N., Nampa, Idaho. Wire clothespin. 2,547,122, Apr. 3.

Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Suspended refractory brick and interposed oxidizable metallic plate furnace roof and constructing the same. 2,547,322, Apr. 3.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Unburned refractory brick making. 2,547,323, Apr. 3.

Heuser, Helen E., assignor of one-half to H. E. Heuser, Detroit, Mich. Adjustable bed table. 2,547,642, Apr. 3.

Heuser, Henri E., assignee: *See*—
Heuser, Helen E.

Heyck, Joseph G., Tampa, Fla. Rain guard for automobile ventilating windows. 2,547,911, Apr. 3.

Heywood-Wakefield Company, assignee: *See*—
Dean, Walter B.

High, Jurjen S., Philadelphia, Pa. Pneumatic spring disk vibrator. 2,547,006, Apr. 3.

Hilgeman, Kenneth M., Portland, Ind. Adjustable crutch. 2,547,265, Apr. 3.

Hill, Francis A., 2nd: *See*—
Hill, Myron F., and F. A.

Hill, Myron F. and F. A., 2nd, Westport, Conn. Continuous contact internal rotor for engines. 2,547,392, Apr. 3.

Hilliard, Robert C., Beverly Farms, Mass. Liquid level indicator. 2,547,526, Apr. 3.

Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs. 2,547,912, Apr. 3.

Hingelberg, Edwin G., Highland Park, Mich., assignor to G. M. and E. Holley. Electrical terminal. 2,547,866, Apr. 3.

Hinkle, Andy H., Atlanta, Ga. Supporting truss for ruptures. 2,547,643, Apr. 3.

Hoberg, Paul, Brooklyn, N. Y. Safety razor. 2,547,704, Apr. 3.

Hoder, Louis A., Philadelphia, Pa. Baby holding device. 2,547,466, Apr. 3.

Hoffer, Samuel E.: *See*—
Chadil, Robins L., and Hoffer.

Hoffman, Otis E.: *See*—
Buchholz, Arnold R., Sprenger, and Hoffman.

Hoffman, Robert, San Francisco, Calif. Method and apparatus for the rapid production of frigid air. 2,547,756, Apr. 3.

Hoffmann-La Roche Inc., assignee: *See*—
Schläpfer, Reinhard.
Spiegelberg, Hans.

Hofman Laboratories, Inc., assignee: *See*—
Sulfrian, Gerard F.

Hoglin, Irving M., Boulder, Colo. Fluid-jet-sustained aircraft. 2,547,266, Apr. 3.

Hogue, Alfred L., E. A. Raney, J. A. Young, and L. R. Runaldue, Pittsfield, Mass., assignors to General Electric Company. Method and apparatus for insertion of tap straps in capacitors. 2,547,644, Apr. 3.

Holbert, Henry C.: *See*—
Bunts, Vernon M., and Holbert.

Holbrook, Max A., assignor to Pratt Manufacturing Company, Coldwater, Mich. Safety guard for coasting sleds. 2,547,209, Apr. 3.

Holbrook, Max A., assignor to Pratt Manufacturing Company, Coldwater, Mich. Coasting sled. 2,547,210, Apr. 3.

Holley, Earl, assignee: *See*—
Hingelberg, Edwin G.
Kittler, Milton J.

Holley, George M., assignee: *See*—
Hingelberg, Edwin G.
Kittler, Milton J.

Holloway, Dennis G.: *See*—
Johnson, Leonard R. J., Holloway, and White.

Hollymade Hardware Manufacturing Company, assignee: *See*—
Cerf, Robert C., Jr.

Holmes, Stanley H., Chicago, Ill. Work stop. 2,547,211, Apr. 3.

Holmes, Trent H., Middletown, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Power transmission system. 2,547,578, Apr. 3.

Holzinger, Alfred S.: *See*—
Lense, Ralph J., and Holzinger.

Hommel, Theodore, Normandy, assignor to Universal Match Corporation, St. Louis, Mo. Photocomposing machine. 2,547,527, Apr. 3.

Hooker Electrochemical Company, assignee: *See*—
Gochenour, Carl I.

Hope, Samuel N.: *See*—
Cofrin, Austin E., and Hope.

Horeau, Alain, Sceaux, and J. Jacques, Paris, France. Preparing artificial oestrogenic compounds and products obtained thereby. 2,547,123, Apr. 3.

Horner, George W., and W. R. Robertson, Sr., Idaho Springs, Colo. Antiskid device for vehicle tires. 2,547,007, Apr. 3.

Horowitz, Alexandre and M. Kooy, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piston engine. 2,547,163, Apr. 3.

Horton, Roger F., Hempstead, N. Y., assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn. Hydraulic pump. 2,547,645, Apr. 3.

Hotpoint Inc., assignee: *See*—
Sutton, Robert J.

Houdry Process Corporation, assignee: *See*—
Evans, James E., and Shirk.
Kirkbride, Chalmer G.
Lassiat, Raymond C., Kelso, and Evans.
Mills, George A.

Hough, George H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse generator. 2,547,008, Apr. 3.

Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Hourigan, Joseph M., New Kensington, Pa. Comparator for regulating timepiece balance wheels. 2,547,705, Apr. 3.

Howe, Arnold C.: *See*—
Pothier, Arthur C., and Howe.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fused dropout cutout. 2,547,160, Apr. 3.

Hudson, Frank W., Bothell, and A. M. Pilkington, Seattle, Wash. Multiple ball bearing punching bag swivel. 2,547,124, Apr. 3.

Hudson, Jennie M.: *See*—
Burr, Robert L., and Hudson.

Huebner, William C., New York, N. Y. Selective discharge control for inks on printing presses. 2,547,706, Apr. 3.

Hunt, Howard H.: *See*—
Smith, Leathem D., Christianson, Stearn, and Hunt.

Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,547,579, Apr. 3.

Hurd, Dallas T.: *See*—
Wilcock, Donald F., and Hurd.

Hurley, Samuel C., Jr., deceased, Danville, Ill.: W. L. Hurley, executrix of said S. C. Hurley, Jr., assignor to W. L. Hurley, Danville, Ill. Apparatus for determining the voltage of a battery. 2,547,324, Apr. 3.

Hurley, Wilmina L., assignee, executrix: *See*—
Hurley, Samuel C., Jr.

Hurst, Kenneth, Chattanooga, Tenn. Self-adjusting nose pad and brow rest for optical frames. 2,547,467, Apr. 3.

Hussey, Paul, Indianapolis, Ind. Second-marking clock. 2,547,468, Apr. 3.

Husson, William M., St. Augustine, Fla. Friction grip for flexible lines. 2,547,469, Apr. 3.

Huston, William D., Cranford, N. J., and J. M. Brady, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Telemetering system. 2,547,009, Apr. 3.

Huzenlaub, Erich G., Brentford, and F. H. Rogers, Kenley, England, assignors to Mars and Huzenlaub, Chicago, Ill. Vacuum drying cylinders, particularly for grain. 2,547,393, Apr. 3.

Hydraulic Equipment Company, assignee: *See*—
Stephens, William T.

Hynes, Dibrell P., and H. H. Moss, assignors to Chicago Forging & Manufacturing Company, Chicago, Ill. Pressure fitting for tube joints. 2,547,394, Apr. 3.

I/S Anitil, assignee: *See*—
Tillisch, Henry C. E.

I. T. E. Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.

Imperial Chemical Industries Limited, assignee: *See*—
Tyerman, William.

Imperial Machine Company, assignee: *See*—
Peffer, Alrid B.

Ingleby, George A., Cranston, assignor to The Hadley Company, Incorporated, Providence, R. I. Necktie clasp. 2,547,125, Apr. 3.

Interchemical Corporation, assignee: *See*—
Euverard, Maynard R., and Gardner.

International Business Machines Corporation, assignee: *See*—
Bergfors, Carl A.
Crumrine, Chester W.
Daly, George F., Maimiros, and Haney.
Dodge, Ronald D.
Gardiner, Elliott W.
Ghertman, Ioino.
McKiever, Robert F.

International Projector Corporation, assignee: *See*—
Hallander, Elvin E.

International Standard Electric Corp., assignee: *See*—
Deloraine, Edmond M., and Goldstein.

International Standard Electric Corporation, assignee: *See*—
Chatterjea, Prafulla K., and Ambrose.
Chatterjea, Prafulla K., and Houghton.
Clark, Trevor H., Clavier, and Rostas.
Cleaver, Richard F.
Dodington, Sven H. M.
Fromageot, Antoine, Lalande, and Redard.
Gohorel, Fernand P.
Hough, George H.
Jacobsen, Bent B.
Lalande, Marc A.
Leno, John A.
Mamor, Armand.
McWhirter, Eric M. S., Dunn, and Lennox.
Pouliart, Willy.
Smullin, Louis D.
Touraton, Emile, Zwobada, and Gratzmuller.
Towner, Stanley H., and Childs.

International Tool Corporation, assignee: *See*—
Skilling, Edwin E.

Ireland, John Charles: *See*—
Bellairs, Guy F., and Ireland.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Heintz, Ralph M., Frazier, and Koch.

Jackson, Carey B., Forest Hills, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen liberating compositions. 2,547,267, Apr. 3.

Jackson, Thomas, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Aircraft engine starter. 2,547,010, Apr. 3.

Jacobi, Louis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Withdrawable drive shaft and brake assembly for vehicle drive wheels. 2,547,268, Apr. 3.

Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.

Jacobsen, Bent B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric fault alarm circuits. 2,547,011, Apr. 3.

Jacobsen, Le Roy V., Durant, Iowa, and G. G. Gosline, Rock Island, Ill., assignors to Bee-Line Company, Davenport, Iowa. Adjustable abutment for automobile frame presses. 2,547,737, Apr. 3.

Jacovatos, Nicholas H., assignee: *See*—
Gray, Charles S.

Jacques, Jean: *See*—
Horeau, Alain, and Jacques.

Jaeger Machine Company, The, assignee: *See*—
Lamberton, Ralph E.

Jamison, Noel C., O. G. Koppius, and T. R. Kohler, Irvington on Hudson, N. Y., and J. G. Black, Richmond, Ky., assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Apparatus for determining the composition of a substance. 2,547,212, Apr. 3.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Ink fountain interrupter for rotary printing machines. 2,547,470, Apr. 3.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Rotary offset printing machine interrupter. 2,547,471, Apr. 3.

Jansen Container Co., assignee: *See*—
Jansen, George D.

Jansen, George D., assignor to Jansen Container Co., Chicago, Ill. Container. 2,547,395, Apr. 3.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.
Rhodes, Leslie A.

Jenesel, Nickolas D.: *See*—
Long, Loren M., and Jenesel.

Jerome, Charles W.: *See*—
Kellholtz, Gerald W., and Jerome.

Jessen, Kaj A. K., Vanlose, Denmark. Vehicle body and running gear support. 2,547,580, Apr. 3.

Jetter, Harry, Quincy, assignor to J. A. Dunn, Boston, Mass. Selective printing device with roller platen. 2,547,472, Apr. 3.

Joanen, Miles A., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Stabilized paraffin wax. 2,547,396, Apr. 3.

Johnson, Fred J., Ferndale, Mich., assignor to Avco Manufacturing Corporation. Variable-speed gearing for driving propellers. 2,547,161, Apr. 3.

Johnson, Julius E., Jr., Midland, and D. R. Mussell, Clare, assignors to The Dow Chemical Company, Midland, Mich. Fumigant composition of activated silica gel and dihalo-alkene. 2,547,822, Apr. 3.

Johnson, Leonard R. J., Harlington, D. G. Holloway, Maidenhead, and E. L. C. White, Iver, assignors to Electric & Musical Industries Limited, Hayes, England. Negative feedback amplifier. 2,547,213, Apr. 3.

Johnson, Oscar H., Medina, N. Y., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Preparation of thiophosphoryl chloride. 2,547,012, Apr. 3.

Johnson, Parker L., Hazard, Ky. Mining machine cutter bit. 2,547,325, Apr. 3.

Johnson Steel & Wire Company, Inc., assignee: *See*—
Clary, Frank A., Jr., and Willis.

Jones, Maurice F. and R. C., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact device. 2,547,214, Apr. 3.

Jones, Ruel C.: *See*—
Jones, Maurice F. and R. C.

Jonker, Johan L. H., and W. Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for transmitting a signaling voltage under control of an auxiliary voltage. 2,547,215, Apr. 3.

Josephian, William, Oakland, Calif. Regulator system. 2,547,823, Apr. 3.

Joy Manufacturing Company, assignee: *See*—
Paget, Win W.
Vandersee, Harry H.

Judson, Charles A., assignee: *See*—
Judson, William H.

Judson, William H., Haverford, assignor to C. A. Judson, Philadelphia, Pa. Planting machine. 2,547,867, Apr. 3.

Judson, William H., Wayne, assignor to C. A. Judson, Philadelphia, Pa. Material distributor. 2,547,868, Apr. 3.

Kahn, Benjamin, Gadsden, Ala. Machine for weaving loops into the fabric during the formation thereof. 2,547,824, Apr. 3.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Byrns, Alva C.

Kaish, Theodore, and S. Saks, Bronx, N. Y. Adjustable photographic lighting apparatus. 2,547,126, Apr. 3.

Kalart Company Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.

Kalousek, George L., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Calcium silicate of microcrystalline lathlike structure. 2,547,127, Apr. 3.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Surgical sawing instrument. 2,547,707, Apr. 3.

Karr, Harry E., assignee: *See*—
Harding, Hiram R.

Kasson, Lester: *See*—
Torrey, John E., and Kasson.

Kearney, James R., Corporation, assignee: *See*—
Mebold, Frederick W.

Kearns, Albert G., White Haven, Pa. Power transmission and conveyer line. 2,547,581, Apr. 3.

Keeling, Wilmer B., Meherrin, Va. Instrument for treating the male urethra. 2,547,758, Apr. 3.

Kellholtz, Gerald W., Lynn, and C. W. Jerome, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp electrode. 2,547,869, Apr. 3.

Kellogg, Everett J.: *See*—
Kellogg, Robert E. and E. J.

Kellogg, M. W., Company, The, assignee: *See*—
Layng, Edwin T.

Kellogg, Robert E., Nevada, and E. J. Kellogg, Columbus, Ohio. Coupling pin. 2,547,326, Apr. 3.

Kelso, Clarence L., Oilton, Okla. Pipe-bending apparatus. 2,547,870, Apr. 3.

Kelso, George H.: *See*—
Lassiat, Raymond C., Kelso, and Evans.

Kemp, Jacob D., Richmond, and L. F. Brooke, Berkeley Highland Terrace, assignors to California Research Corporation, San Francisco, Calif. Reduction of phosphoric acid corrosion in a polymerization process. 2,547,013, Apr. 3.

Kent, Earle L., assignor to C. G. Conn., Ltd., Elkhart, Ind. Signal mixing apparatus. 2,547,759, Apr. 3.

Kershaw, Knox: *See*—
Praytor, Dennis M., and Kershaw.

Keystone Wire Cloth Company, assignee: *See*—
Blaser, Herman J.

Kidd, George B., Dayton, Ohio. Electronic inverter. 2,547,162, Apr. 3.

Kidde Manufacturing Co., Inc., assignee: *See*—
Sollmann, Carl H.

Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor. 2,547,128, Apr. 3.

King, Arthur S., Kansas City, Mo. Combined internal-combustion engine and supercharger. 2,547,327, Apr. 3.

King, Gaither J., Norfolk, Va. Mechanical hand powered soap bubble maker. 2,547,825, Apr. 3.

Kinsey Corporation, assignee: *See*—
Kinsey, Lewis R.

Kinsey, Lewis R., assignor to Kinsey Corporation, New York, N. Y. Semitrailer. 2,547,269, Apr. 3.

Kirby, Joseph H., assignor to The Trendex Co., Memphis, Tenn. Treating black grease and product thereof. 2,547,014, Apr. 3.

Kirk, Douglas, Hudson, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Closure for paper containers. 2,547,871, Apr. 3.

Kirk, Roy C.: *See*—
Fry, Ashford B., Kirk, and George.
George, Percy F., Fry, and Kirk.

Kirkbride, Chalmer G., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Conversion of hydrocarbons in the presence of a solid particulate contact material, utilizing a molten metal as the conveying medium. 2,547,015, Apr. 3.

Kirkpatrick, Joseph H., Jr., Darby, Pa. Localized alarm system. 2,547,016, Apr. 3.

Kirkpatrick, William E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal sampling and modulation. 2,547,397, Apr. 3.

Kirsch Company, assignee: *See*—
Stutz, Frederick L.

Kirschner, Henry E., St. Joseph, Mo. Hose reel. 2,547,826, Apr. 3.

Kissick, Russell P., assignor to Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Welding torch. 2,547,872, Apr. 3.

Kittler, Milton J., Detroit, Mich., assignor to G. M. and E. Holley. Combined carburetor choke and nozzle. 2,547,873, Apr. 3.

Klem, Peter G., Webster, N. Y. Machine for sizing vegetables. 2,547,473, Apr. 3.

Klema, Ernest D., Salina, Kans., assignor to the United States of America as represented by the United States Atomic Energy Commission. Hydrogen purification method. 2,547,874, Apr. 3.

Klement, John F., assignor to Ampco Metal, Inc., Milwaukee, Wis. Copper base alloy. 2,547,129, Apr. 3.

Klima, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, Olomouc, Czechoslovakia. Direct-current generator. 2,547,582, Apr. 3.

Kniep, Elmer A., Squirrel, Idaho. Combination safety hitch and plow trip. 2,547,130, Apr. 3.

Kobler, Richard, San Francisco, Calif. Remote controlled recording machine. 2,547,216, Apr. 3.

Koch, Erich J., and R. D. Albin, Los Angeles, Calif. Lawn shaver. 2,547,328, Apr. 3.

Koch, Leonard J.: *See*—
Heintz, Ralph M., Frazier, and Koch.

Kohler, Thomas R.: *See*—
Jamison, Noel C., Koppius, Kohler, and Black.

Konen, James C., and E. T. Clocker, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company. Polymerized fatty oils. 2,547,760, Apr. 3.

Koop, Severin E., assignee: *See*—
Hasskamp, Fred C.

Kooy, Martinus: *See*—
Horowitz, Alexandre, and Kooy.

Koppers Company, Inc., assignee: *See*—
Skinner, Claude M.

Koppius, Otto G.: *See*—
Jamison, Noel C., Koppius, Kohler, and Black.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump mounting. 2,547,761, Apr. 3.

Kraayeveld, Pieter J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for counting pulses. 2,547,217, Apr. 3.

Kramer Trenton Company, assignee: *See*—
Plumeri, John.

Krasnow, Shelley, Arlington County, Va., and L. F. Curtiss, Montgomery County, Md., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Multiple element radioactive ray recording. 2,547,218, Apr. 3.

Krasnow, Shelley, New York, N. Y., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Apparatus for taking physical measurements in boreholes. 2,547,875, Apr. 3.

Krasnow, Shelley, Arlington County, Va., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Apparatus for investigating a plurality of physical values in boreholes. 2,547,876, Apr. 3.

Krause, Jack H.: *See*—
Tom, Theodore B., and Krause.

Kreiner, Anthony J., Wickliffe, Ohio., assignor, by mesne assignments, to Lockley Machine Company, New Castle, Pa. Waste flushing mechanism, including a backflow preventer. 2,547,708, Apr. 3.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispensing mechanism. 2,547,583, Apr. 3.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Moistener for gummed tape dispensers. 2,547,584, Apr. 3.

Krug, Herbert F. W., Detroit, Mich. Watchmaker's tray. 2,547,762, Apr. 3.

Kucher, Joseph E., Lyndhurst, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing medium discharge method and apparatus. 2,547,018, Apr. 3.

Kulik, Alphonse C., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener-inserting mechanism. 2,547,019, Mar. 3.

Kunkle Valve Company, assignee: *See*—
Gilmore, Samuel E.

Kunz, John, Menomonie, Wis. Barn cleaner. 2,547,270, Apr. 3.

Laffon y Soto, Alberto, and E. de Selgas y Marin, Madrid, Spain. Diminishing background noise. 2,547,271, Apr. 3.

Lagally, Paul, Aschaffenburg Main, assignor to Aschaffenburger Zellstoffwerke, Aktiengesellschaft, Redenfelden Oberbayern, Germany. Preparation of vanillin and vanillin derivatives. 2,547,913, Apr. 3.

Lalande, Marc A.: *See*—
Fromageot, Antoine, Lalande, and Redard.

Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Transmission of low-frequency calls in telecommunication systems by interrupting the carrier. 2,547,020, Apr. 3.

Lamberton, Ralph E., assignor to The Jaeger Machine Company, Columbus, Ohio. Cylinder head. 2,547,914, Apr. 3.

La Munyon, Lynne, Carlsbad, Calif. Wheel-lifting jack. 2,547,474, Apr. 3.

Land, Edwin H., and W. H. Ryan, assignors to Polaroid Corporation, Cambridge, Mass. Stretching continuous materials such as sheeting and the like. 2,547,763, Apr. 3.

Lapham, Sidney D., Contra Costa County, Calif. Industrial truck. 2,547,329, Apr. 3.

Large, William E.: *See*—
Owens, James B., and Large.

Larsen, Victor A., Altadena, Calif. Motor-driven actuator unit. 2,547,475, Apr. 3.

Larsh, Everett P., Dayton, Ohio. Motor-generator gearing. 2,547,709, Apr. 3.

Lassiat, Raymond C., Swarthmore, G. H. Kelso, Upper Darby, and J. E. Evans, Wallingford, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Catalytic cracking of hydrocarbons and apparatus therefor. 2,547,021, Apr. 3.

Laughlin, Kenneth C., assignor to Hercules Powder Company, Wilmington, Del. Increasing the melting point of polymerized rosin. 2,547,219, Apr. 3.

Lauterbach, Alexander B., assignor to Harrocks-Ibbotson Company, Utica, N. Y. Fishing reel. 2,547,330, Apr. 3.

Lawson, Lionel F., Los Angeles, and E. H. Twarowski, Hawthorne, assignors to Turret Meter Sales Company, Los Angeles, Calif. Parking meter. 2,547,272, Apr. 3.

Layng, Edwin T., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic reforming of hydrocarbons in the presence of hydrogen. 2,547,221, Apr. 3.

Leake, Norman H.: *See*—
Bock, Louis H., Leake, and Rainey.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine control valve. 2,547,646, Apr. 3.

Lee, Arthur L., Columbus, Ohio, assignor of one-half to R. R. Schubert. Mine locomotive. 2,547,710, Apr. 3.

Lee, Henry B., Bell Gardens, Calif. Rotary crane. 2,547,398, Apr. 3.

Leeds and Northrup Company, assignee: *See*—
Williams, Albert J., Jr.

Le Febvre, Warren C., and A. Mihm, Hibbing, Minn. Folding gaff hook. 2,547,273, Apr. 3.

Le Gall, Camille, assignee: *See*—
Pouré, Emile E.

Le Grande, John R.: *See*—
McDaniel, William T., Jr., and Le Grand.

Lehmann, Emil, West Englewood, assignor to White Metal Manufacturing Company, Hoboken, N. J. Conveyer. 2,547,476, Apr. 3.

Lemke, William, Antioch, Ill. Pinball game-controlled racing game apparatus. 2,547,164, Apr. 3.

Lennox, Peter W.: *See*—
McWhirter, Eric M. S., Dunn, and Lennox.

Leno, John A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical connections and circuits and their manufacture. 2,547,022, Apr. 3.

Lense, Ralph J., Deerfield, and A. S. Holzinger, Chicago, Ill., assignors to Motorola, Inc. Selective calling system. 2,547,023, Apr. 3.

Lent, Edward B., Downers Grove, assignor to N. S. and S. Andrews, and E. B. Lent, Chicago, Ill., trustees of Sansa Enterprises. Forming and drawing press. 2,547,331, Apr. 3.

Leonard, George H., Darien, assignor to C. G. S. Laboratories, Inc., Stamford, Conn. Grooving tool. 2,547,915, Apr. 3.

Leopaldi, Michele, New York, N. Y. Combination leather and rubber heel. 2,547,711, Apr. 3.

LeTourneau, R. G., Inc., assignee: *See*—
Roe, Charles C.

Leveridge, Walter J., Tuckahoe, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Winding mechanism for tight winding paper tape on spools. 2,547,399, Apr. 3.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Straightedge. 2,547,647, Apr. 3.

Lewis, Frederick J., Youngstown, Ohio. Mechanism for securing an earth-working tool in a ground-engaging or ground-disengaging position. 2,547,585, Apr. 3.

Lewis, Richard W., Walled Lake, Mich. Windshield visor. 2,547,528, Apr. 3.

Lewis, Theodore K., Wauneta, Nebr. Semiautomatic heat control. 2,547,477, Apr. 3.

Lewus, Alexander J., Cicero, Ill. Electromagnetic relay. 2,547,131, Apr. 3.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Barkley, Dwight W.
Strong, John D.

Libby, Lester L., East Orange, N. J., and E. Cole, Kew Gardens, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,547,028, Apr. 3.

Lichtenberg, Edward N., Claymont Heights, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Follow rest for lathes. 2,547,529, Apr. 3.

Lieberknecht, Karl, Inc., assignee: *See*—
Zesch, Eugene M.

Lieberman, Philip S., Clarence, N. Y. Target for firearm practice. 2,547,478, Apr. 3.

Lilly, Eli, and Company, assignee: *See*—
Rhodehamel, Harley W., Jr.

Linde Air Products Company, The, assignee: *See*—
Simpson, Graham E.
Young, Lloyd W.

Lindenberg, Charles H., and T. Ongaro, assignors to Lion Manufacturing Inc., Columbus, Ohio. Method and apparatus for balancing rotors. 2,547,764, Apr. 3.

Lindner, Balthasar, Palatine, Ill. Tap root cutter. 2,547,400, Apr. 3.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Partial hydrogenation of unsaturated conjunct polymer hydrocarbons. 2,547,274, Apr. 3.

Lion Manufacturing Inc., assignee: *See*—
Lindenberg, Charles H., and Ongaro.

Lipmatch Company, Ltd., The, assignee: *See*—
Bouchard, Leo J., Hammersiag, and Weiner.

Lockley Machine Company, assignee: *See*—
Kreiner, Anthony J.

Loewe, Peter L., and E. L. Boyce, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower with removable reel. 2,547,401, Apr. 3.

Logan, Otis A., Kansas City, Mo. Invalid bed. 2,547,827, Apr. 3.

Logan, Ulysses S., Shorewood, Wis. Hanger bracket. 2,547,222, Apr. 3.

Lombardo, Joseph, Chicago, Ill. Apparatus for refinishing floors. 2,547,223, Apr. 3.

Long, Loren M., Grosse Pointe Woods, and N. D. Jenesel, assignors to Parke, Davis & Company, Detroit, Mich. Furane compounds. 2,547,712, Apr. 3.

Long, Loren M., Grosse Pointe Woods, and N. D. Jenesel, assignors to Parke, Davis & Company, Detroit, Mich. Furane amido ketone compounds. 2,547,713, Apr. 3.

Long, Loren M., Grosse Pointe Woods, and N. D. Jenesel, assignors to Parke, Davis & Company, Detroit, Mich. Furane amino keto compounds. 2,547,714, Apr. 3.

Longfellow, Harold R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for preventing static charges from collecting on articles in a dispensing hopper. 2,547,132, Apr. 3.

Loré, Matthew A. G., Blackpool, England. Model railway track. 2,547,586, Apr. 3.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Automatic contrast control system for television apparatus. 2,547,648, Apr. 3.

Loungway, Arthur M., Oneida, N. Y. Air cylinder for indexing ratchet stops and the like. 2,547,029, Apr. 3.

Loveless, Boyd B., R. J. Alhand, and B. S. Sample, assignors to Electric Eye Equipment Company, Danville, Ill. Device for starting races. 2,547,332, Apr. 3.

Lovell, George H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,547,133, Apr. 3.

Lowther, Wilfred W., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Crankcase ventilating system for a plurality of associated engines. 2,547,587, Apr. 3.

Lucas, Ralph, Ackley, Iowa, and A. J. Reedy, assignors to Detroit Michigan Stove Company, Battle Creek, Mich. Electric heating device. 2,547,402, Apr. 3.

Lucia, Carroll J., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Bearing support for gears. 2,547,877, Apr. 3.

Luckock, Wayne J., Fort Wayne, Ind., assignor, by mesne assignments to Farnsworth Research Corporation. View finder for television cameras. 2,547,030, Apr. 3.

Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Grid plate casting machine. 2,547,081, Apr. 3.

Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Mold filling mechanism for grid plate casting machines. 2,547,082, Apr. 3.

Lund, Philip A., Mamaroneck, assignor to The W. L. Maxson Corporation, New York, N. Y. Switch actuator. 2,547,765, Apr. 3.

Lund, Werner J., Staples, Minn. Swimmer's life buoy. 2,547,333, Apr. 3.

Lundgren, Chester L., Bonaparte, Iowa. Extensible tire carrier. 2,547,083, Apr. 3.

Luskin, Leo S.: *See*—
Bock, Louis H., and Luskin.

Lyon, George A., Allenhurst, N. J. Method of and apparatus for making plastic wheel trim. 2,547,275, Apr. 3.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,547,031, Apr. 3.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,547,032, Apr. 3.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,547,033, Apr. 3.

MacGuire, William E., Louisville, Ky., assignor to F. B. Yingling, Hamilton, Ohio. Pneumatic hammer. 2,547,224, Apr. 3.

Maddock, Robert A., Trentham, England. Pottery machine. 2,547,588, Apr. 3.

Madsen, Walter M., Alhambra, Calif. Material mixing apparatus. 2,547,403, Apr. 3.

Maintain, Russell E., assignee: *See*—
Thomason, Massie N.

Malmros, Gustav V. A.: *See*—
Daly, George F., Malmros, and Haney.

Maloney-Crawford Tank and Manufacturing Company, assignee: *See*—
Wilson, Samuel A.

Maltby, William C., assignee: *See*—
Haut, Walter E.

Mamor, Armand, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Pulse-transmitting device. 2,547,034, Apr. 3.

Manufacture de Caoutchouc Michelin (Pulseux, Boulanger & Cie), assignee: *See*—
Bourdon, Pierre M.

Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, assignee: *See*—
Del Buttero, Enzo.

Marcuse, James E., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Spraying device. 2,547,084, Apr. 3.

Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Folding rotary hoe. 2,547,479, Apr. 3.

Marquardt, Otto: *See*—
Somes, Howard E., Jr., and Marquardt.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.

Mars and Huzenlaub, assignee: *See*—
Huzenlaub, Erich G., and Rogers.

Marsh, Herbert H., and G. G. Short, Denver, Colo. Gas burner with gas preheating chamber and flame nozzles. 2,547,276, Apr. 3.

Marsh, Herbert H., and G. G. Short, Denver, Colo. Filter washing system. 2,547,277, Apr. 3.

Marsh, Myrle O., Fort Wayne, Ind., assignor to General Electric Company. Electric induction apparatus. 2,547,649, Apr. 3.

Marshall, Doyle B., Marshall, Mich. Root crop harvester having topping means. 2,547,878, Apr. 3.

Marshall, Leonard J., Anderson, Tenn., assignor to Combustion Engineering-Superheater, Inc. Apparatus for extracting heat from gases under pressure. 2,547,589, Apr. 3.

Marshall, Merrill G., Homewood, assignor to Cardox Corporation, Chicago, Ill. Fire-extinguishing apparatus. 2,547,334, Apr. 3.

Masland, C. H., & Sons, Inc., assignee: *See*—
Smith, Paul S.

Massey, Robert A., New York, N. Y. Overhead-suspended car for race tracks. 2,547,715, Apr. 3.

Maussnest, Frederick K., assignor to Hedwig Maust, Queens Village, N. Y. Braking system for intermittent feed apparatus. 2,547,828, Apr. 3.

Maust, Hedwig, assignee: *See*—
Maussnest, Frederick K.

Maxson, W. L., Corporation, The, assignee: *See*—
Lund, Philip A.

May, Elwood T., Shreveport, La. Fish stringer. 2,547,335, Apr. 3.

Mayo, Edward L., Cleveland, and A. G. Gets, Lakewood, assignors to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Windshield defroster for automobile heaters. 2,547,404, Apr. 3.

Mazzola, Joseph R., Kearny, assignor to Automatic Manufacturing Corporation, Newark, N. J. Condenser assembly. 2,547,085, Apr. 3.

McAteer, James H., Cranford, N. J., assignor to Standard Oil Development Company. Vapor phase hydration. 2,547,766, Apr. 3.

McCartney, Edward R., Altadena, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Extraction of acidic impurities and moisture from gases. 2,547,278, Apr. 3.

McCarty, Lourdes V.: *See*—
Aughey, Clarence L., and McCarty.

McCool, William A., Hyattsville, Md., assignor to Boonton Radio Corporation, Boonton, N. J. Conductance meter. 2,547,650, Apr. 3.

McCrum, Robert T., Hawthorne, Calif. Ice cream dipper. 2,547,651, Apr. 3.

McCurdy, Everett D., assignee, trustee: *See*—
Brennan, Joseph B.

McDaniel, Eukel J., St. Louis, Mo. Shoe platform construction. 2,547,480, Apr. 3.

McDaniel, William T., Jr., Asheville, and J. R. Le Grand, Wilmington, N. C., assignors to Tennessee Valley Authority. Grinding mica. 2,547,336, Apr. 3.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Heating drum. 2,547,086, Apr. 3.

McDonald Company, The, assignee: *See*—
McDonald, John J.

McDonald, John J., deceased, Newton, Mass.; W. J. McDonald, executor of said J. J. McDonald, assignor to The McDonald Company, Boston, Mass. Beverage dispensing apparatus with recirculating means. 2,547,481, Apr. 3.

McDonald, William J., executor: *See*—
McDonald, John J.

McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Container for condiments and the like and sifter cap therefor. 2,547,590, Apr. 3.

McGlynn Hays Industries, Inc., assignee: *See*—
Norcross, Gilbert F.

McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Air-conditioning control arrangement. 2,547,879, Apr. 3.

McIlroy, Arthur, assignee: *See*—
Greenstein, Saul.

McKeen, Harold E., Vancouver, British Columbia, Canada. Hot-water bottle stopper or cork. 2,547,337, Apr. 3.

McKiever, Robert F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Wire contact storage unit. 2,547,482, Apr. 3.

McLaughlin, James E.: *See*—
Cade, Marcus S., and McLaughlin.

McLean, Burton A., Winnipeg, Manitoba, Canada. Contra-oscillating eccentric skinning implement. 2,547,134, Apr. 3.

McWirter, Eric M. S., R. H. Dunn, and P. W. Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,547,035, Apr. 3.

Meadows, Grady H. and J. R., Mount Pleasant, Tex. Closure for window openings and the like. 2,547,591, Apr. 3.

Meadows, Joyce R.: *See*—
Meadows, Grady H. and J. R.

Mebold, Frederick W., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,547,225, Apr. 3.

Meggenhofen, Charles W.: *See*—
Eaglesfield, Robert D., Curtiss, and Meggenhofen.

Mehl, Jonah, assignor to Sydney-Thomas Corporation, Cincinnati, Ohio. Garment storage bag. 2,547,530, Apr. 3.

Melvin, Francis F., and J. O. Stevens, Elwood, Ind., said Stevens assignor to said Melvin. Spring clip for display racks. 2,547,531, Apr. 3.

Mendelsohn, William A., assignor to Burton Manufacturing Company, Chicago, Ill. Jointed bracket. 2,547,532, Apr. 3.

Mercier, Ernest, Paris, France, assignor, by mesne assignments, to Moore, Inc., Atlanta, Ga., Equipressure vapor generator and operating same. 2,547,135, Apr. 3.

Merrill, Edward W., Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Textile print blanket. 2,547,220, Apr. 3.

Mersereau, Everard C., Westfield, N. J., assignor to The Elicon Company. Hand strap. 2,547,483, Apr. 3.

Metal and Thermit Corporation, assignee: *See*—
Andrews, William.

Meyer, Leonard S., and E. K. Ritterhoff, Newark, Ohio. Method and apparatus for corrugating sheet material and forming laminated cellular units thereof. 2,547,880, Apr. 3.

Meyer & Wenthe, Inc., assignee: *See*—
Priesmeyer, Charles.

Meystre, Charles: *See*—
Wettstein, Albert, and Meystre.

Michael, Harold E., Glendale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Attaching wing tip fuel tanks to airplanes. 2,547,226, Apr. 3.

Michelsen, William O.: *See*—
Veltman, John C., and Michelsen.

Michigan Bookbinding Company, assignee: *See*—
TurnBull, George W.

Mihm, Arnold: *See*—
Le Febvre, Warren C., and Mihm.

Miller, Chester M., assignee: *See*—
Burgess, Marion I.

Miller, Jerry: *See*—
Sugarman, Emanuel, and Miller.

Miller Pottery Engineering Company, assignee: *See*—
Wahl, Albert J.

Millette, Adolph, Central Falls, R. I. Picker shaft supporting means. 2,547,652, Apr. 3.

Milligan, Lowell H., assignor to Norton Company, Worcester, Mass. Surface plate and the like. 2,547,087, Apr. 3.

Mills, Donald H., Fort Wayne, Ind. Indexing device. 2,547,533, Apr. 3.

Mills, George A., Swarthmore, assignor to Houdry Process Corporation, Philadelphia, Pa. Hydrocarbon conversion processes with acid-treated clay catalysts. 2,547,036, Apr. 3.

Mills, George I., Springfield, Mo. Golf club cart. 2,547,829, Apr. 3.

Mills Industries, Incorporated, assignee: *See*—
Dressler, William C.

Mine Safety Appliances Company, assignee: *See*—
Jackson, Carey B.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Butterfield, Robert J.
Chapman, Robert R.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Pole, Gordon R.

Minnis, Bradford R., and J. H. Conover, Chicago, Ill. Fluid for use in contact with the human eyeball. 2,547,653, Apr. 3.

Missouri Automatic Control Corporation, assignee: *See*—
Smith, Carl A., and Wasser.

Mitchell, Frederic D., Collingdale, and D. M. O'Halloran, Philadelphia, assignors to Shallcross Mfg. Company, Collingdale, Pa. Hermetically sealed resistor. 2,547,405, Apr. 3.

Miter King Company, assignee: *See*—
Hess, Robert E.

Mládek, Bedřich, Liberec, Czechoslovakia. Transmission gear for large gear ratios. 2,547,165, Apr. 3.

Modine Manufacturing Company, assignee: *See*—
Simpellar, Clyde S.

Moe, Owen A.: *See*—
Warner, Donald T., and Moe.

Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Gamma nitro-gamma, gamma dicarbalkoxybutyraldehydes and process. 2,546,960, Apr. 3.

Monsanto Chemical Company, assignee: *See*—
Baker, Bruce E., Brickman, and Ryan.
Blake, Edward S., and Durland.
Emerson, William S., and Patrick.
Fincke, John K.
Godfrey, Kenneth L.
Steahly, George W.
Wenner, Ralph R.
Zerbe, Richard O.
Zienty, Ferdinand B.
Zienty, Ferdinand B., and Harvey.

Moore Company, The, assignee: *See*—
Elder, Charles J.

Moore, Inc., assignee: *See*—
Mercier, Ernest.

Moore, John R., Schenectady, N. Y., assignor to General Electric Company. Resolver for gun sight. 2,547,654, Apr. 3.

Moravian Electrical Engineering Works, assignee: *See*—
Klíma, Vilém.

Morden, Charles W., Portland, Oreg., assignor to Morden Machines Company. Treating and refining machine for pulp materials. 2,547,830, Apr. 3.

Morden Machines Company, assignee: *See*—
Morden, Charles W.

Morelock, Ober B., U. S. Navy, National City, Calif. Automatic pitch change propeller. 2,547,037, Apr. 3.

Morin, Francis J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controlling the resistance of oxidic semiconductors. 2,547,406, Apr. 3.

Morris, Paul C., Louisville, Ky. Control mechanism for motor vehicles. 2,547,593, Apr. 3.

Morris, Robert G., Baltimore, Md. Easy eel holder. 2,547,592, Apr. 3.

Morrison, Montford, Upper Montclair, N. J. Square-wave generator. 2,547,338, Apr. 3.

Morrison, Wendell C., Princeton, N. J., assignor to Radio Corporation of America. Variable phase shifter. 2,547,767, Apr. 3.

Mosher, Fred D., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive combustion control. 2,547,339, Apr. 3.

Moss, Hugo H.: *See*—
Hynes, Dibrell P., and Moss.

Motor Products Corporation, assignee: *See*—
Whitmore, Harland W.

Motorola, Inc., assignee: *See*—
Lense, Ralph J., and Holzinger.
Noble, Daniel E.
Winkler, Marion R.

Mueller Co., assignee: *See*—
Gould, Wallace E.
Mueller, Frank H.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Valve. 2,547,831, Apr. 3.

Mullan, Joseph, Baltimore, Md. Key detachment device. 2,547,340, Apr. 3.

Mulline, Pearle H., Canton, Ohio. Casting rod handle. 2,547,655, Apr. 3.

Munschauer, Frederick E., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Hydraulic hold-down. 2,547,656, Apr. 3.

Murdach, William M., and H. Harrison, Gorst, Wash. File holder. 2,547,484, Apr. 3.

Murphy, Elsie M., Elmhurst, Ill. Foldable vending tray for ice-cream cups and the like. 2,547,716, Apr. 3.

Murphy, Myrtle H.: *See*—
Hasskamp, Fred C.

Murray, Herman, St. Louis, Mo. Fountain applicator having sliding sleeve work-operated valve means. 2,547,881, Apr. 3.

Mussel, Dorsey R.: *See*—
Johnson, Julius E., Jr., and Mussell.

Muth, Robert C.: *See*—
Freshwater, Edmon S., Muth, and Cunningham.

National Biscuit Company, assignee: *See*—
Tascher, Eugene S., and Brungard.

National Broach & Machine Company, assignee: *See*—
Austin, Donald D., Sr.

National Inventions Corporations, assignee: *See*—
Bridges, John H.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Burger, Michael J.
Elmer, William B., and Rimer.
Hammar, Gustaf W., Noddin, Rosen, and Trelease.

Nelson, Carl E.: *See*—
Oberg, Elmer B., Nelson, and Hankinson.

Nelson, Melven V., and E. H. Selbert, assignors to Autopoint Company, Chicago, Ill. Index card and holder therefor. 2,547,166, Apr. 3.

Nelson, Peyton J., Eugene, Oreg. Apparatus for detecting metal objects on a moving belt. 2,547,407, Apr. 3.

Newman, Percy A., assignor to Rosa Gear and Tool Company, La Fayette, Ind. Machine tool. 2,547,832, Apr. 3.

Niagara Machine & Tool Works, assignee: *See*—
Munschauer, Frederick E.

Nicholson, Charles D., Stillwater, assignor of one-half to A. A. Skauge, Austin, Minn. Vaporizing-type oil burner. 2,547,341, Apr. 3.

Nielsen, John P., Bogalusa, La. All-weather recording board. 2,547,167, Apr. 3.

Niles-Bement-Pond Company, assignee: *See*—
Holmes, Trent H.
Hunt, Scott F.

Nill, Richard G., and F. J. Patterson, assignors to Fort Wayne Tool, Die and Engineering Company, Fort Wayne, Ind. Laminated die. 2,547,168, Apr. 3.

Nirdlinger, Patrick A., Chicago, Ill. Reflecting mat for display windows. 2,547,342, Apr. 3.

Noble, Daniel E., Elmhurst, assignor to Motorola, Inc., Chicago, Ill. Selective calling system. 2,547,024, Apr. 3.

Noble, Daniel E., Elmhurst, assignor to Motorola, Inc., Chicago, Ill. Frequency selective calling system. 2,547,025, Apr. 3.

Noddin, George A.: *See*—
Hammar, Gustaf W., Noddin, Rosen, and Trelease.

Norcross, Gilbert F., West Caldwell, assignor, by mesne assignments, to McGlynn Hays Industries, Inc., Belleville, N. J. Draft roller pressure control mechanism. 2,547,485, Apr. 3.

North American Aviation, Inc., assignee: *See*—
Anderson, John P.

Northrop Aircraft, Inc., assignee: *See*—
Michael, Harold E.

Norton, Charles W., West Orange, assignor to Ralph C. Coxhead Corporation, Newark, N. J. Typewriter carriage position indicator. 2,547,088, Apr. 3.

Norton Company, assignee: *See*—
Milligan, Lowell H.

Norton, Orlo Clair, Erie, Pa. Regulating temperature and pressure operated valves. 2,547,882, Apr. 3.

Nuclear Instrument and Chemical Corporation, assignee: *See*—
Weissman, Richard.

Oberg, Elmer B., and C. E. Nelson, Milwaukee, Wis., and C. L. Hankinson, Minneapolis, Minn., assignors to Carnation Company, Milwaukee, Wis. Preparing a whipping agent from casein. 2,547,136, Apr. 3.

Oberst, Richard E., Milwaukee, Wis. Foot pedal operated hopper door. 2,547,089, Apr. 3.

Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electromagnet overload release clutch. 2,547,137, Apr. 3.

O'Halloran, Donald M.: *See*—
Mitchell, Frederic D., and O'Halloran.

Ohio Boxboard Company, The, assignee: *See*—
Ellsworth, Ransom C.

Ohio Carbon Company, The, assignee: *See*—
Stoffel, Lester L.

Ohio Crankshaft Company, The, assignee: *See*—
Sabol, John T.
Somes, Howard E., Jr., and Marquardt.
Wadhams, James B.

Ohlsson, Eric O., Hagalund, Sweden. Device for converting rotary motion into reciprocating motion. 2,547,594, Apr. 3.

Oilgear Company, The, assignee: *See*—
Douglas, James K.

Oliver, Joseph W., Ferndale, Mich. Nut and pipe wrench. 2,547,534, Apr. 3.

O'Loughlin, Edward K., Brookline, Mass. Handgrip for carrying parcels, packages, bundles, etc. 2,547,343, Apr. 3.

Olsen, Ronald W., Caldwell, N. J., assignor to General Electric Company. Thermostatic selective heating, cooling, and circulating interlocking control system. 2,547,657, Apr. 3.

Olson, Alton M., Northwood, N. Dak. Vehicle bumper jack. 2,547,768, Apr. 3.

Olson, Willard L., Battle Creek, Mich. Rack for automobile cowl panels. 2,547,883, Apr. 3.

O'Neal, Cleon D., Glenside, assignor to Philco Corporation, Philadelphia, Pa. Phonograph pickup having a quadrilateral crystal with only one corner free to flex. 2,547,227, Apr. 3.

O'Neill, Henry J., Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y. Waterproof watchcase. 2,547,090, Apr. 3.

Ongaro, Theodore: *See*—
Lindenberg, Charles H., and Ongaro.

Owen, Dale H., Bay City, Mich. Child's training chair. 2,547,408, Apr. 3.

Owens-Illinois Glass Company, assignee: *See*—
Kalousek, George L.

Owens, James R., Pittsburgh, Pa., and W. E. Large, Tonawanda, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series capacitor protection. 2,547,228, Apr. 3.

Paasche, Jens A., Chicago, Ill. Spray coating apparatus. 2,547,884, Apr. 3.

Packard Motor Car Company, assignee: *See*—
Lucia, Carroll J.

Packie, John W., Maplewood, and C. O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Entrainment separator. 2,547,769, Apr. 3.

Paff, Chester: *See*—
Sanders, Louis, and Paff.

Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Lock for cabinets. 2,547,486, Apr. 3.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure providing device. 2,547,169, Apr. 3.

Paillard S. A., assignee: *See*—
Guinchard, Eric.

Palme, Arthur, and C. H. Hannon, Pittsfield, Mass., assignors to General Electric Company. Electric switch contact. 2,547,658, Apr. 3.

Palmqvist, Fredrik T. E.: *See*—
Engel, Bruno K., and Palmqvist.

Pancoast, John P.: *See*—
Herrick, John H., and Pancoast.

Parke, Davis & Company, assignee: *See*—
Long, Loren M., and Jenesel.

Parkes, Ralph C., Glenside, and D. H. Colker, Philadelphia, Pa. Drying method and machine. 2,547,833, Apr. 3.

Parrish, Walter, Grosse Pointe Woods, Mich., assignor to Research Engineering Corporation. Reversing gear. 2,547,038, Apr. 3.

Patrick, Tracy M., Jr.: *See*—
Emerson, William S., and Patrick.

Patterson, Frederick J.: *See*—
Nill, Richard G., and Patterson.

Patterson, George H., Seattle, Wash. Fish plug. 2,547,279, Apr. 3.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Strip feeding machine having control for slack length in strips. 2,547,039, Apr. 3.

Peffer, Alrid B., assignor to Imperial Machine Company, Philadelphia, Pa. Brush and spindle construction for pan greasing machines. 2,547,091, Apr. 3.

Pelton, Robert S., Palm Beach, Fla. Collapsible shelter. 2,547,770, Apr. 3.

Penney, Frederic H., West Newton, Pa. Separate and individual pressure adhesive pieces with means of application and attachment of same. 2,547,487, Apr. 3.

Pennington, William A.: *See*—
Reed, Winston H., and Pennington.

Perle, Abe J., Orange, assignor to Persiro Manufacturing Corp., Newark, N. J. Metallic tube furnace. 2,547,040, Apr. 3.

Persiro Manufacturing Corp., assignee: *See*—
Perle, Abe J.

Perwas, Ludwig F., New York, N. Y. Reservoir handle for fountain brush having piston means for filling and dispensing. 2,547,834, Apr. 3.

Pessel, Leopold, Whitemarsh, Pa., assignor to Radio Corporation of America. Solder composition. 2,547,771, Apr. 3.

Peter Paul, Inc., assignee: *See*—
Zeun, Louis H.

Peters, Adolph H., Columbus, Nebr. Tractor hitch. 2,547,772, Apr. 3.

Peters, Philip H., Jr., Schenectady, N. Y., assignor to General Electric Company. Grid controlled magnetron apparatus for frequency controllable systems. 2,547,659, Apr. 3.

Peterson, Roy W., Fresno, Calif. Cold process for producing an improved soap composition. 2,547,280, Apr. 3.

Petty, Uel N., Cushing, Okla. Refining milk and milk products. 2,547,281, Apr. 3.

Pfeiffer, Fred B., Akron, Ohio. Method and apparatus for working sheet material. 2,547,835, Apr. 3.

Pfeiffer, Fred B., Akron, Ohio. Apparatus for working sheet material. 2,547,836, Apr. 3.

Philadelphia Textile Finishers, Inc., assignee: *See*—
Sostman, Morris J., and Phillips.

Philco Corporation, assignee: *See*—
O'Neal, Cleon D.

Philips Laboratories, Inc., assignee: *See*—
Jamison, Noel C., Koppius, Kohler, and Black.
Rittner, Edmund S.

Phillips, Irwin L.: *See*—
Sostmann, Morris J., and Phillips.

Piar, Elmer A., Cleveland, Ohio. Medical electrode. 2,547,041, Apr. 3.

Picanol, Jaime, Ypres, Belgium. Center selvedge forming device. 2,547,170, Apr. 3.

Pierce, Edith H., Detroit, Mich., and E. M. Schantz, Zenia, Ohio, assignors to Audiscope Corporation. Visual instruction device. 2,547,535, Apr. 3.

Pilkington, Albert M.: *See*—
Hudson, Frank W., and Pilkington.

Pioneer-Gen-E-Motor Corporation, assignee: *See*—
Loewe, Peter L., and Boyce.

Pittman, James F., Jefferson County, near Gibson, Ga. Portable load moving equipment. 2,547,773, Apr. 3.

Pitts, George B., assignee: *See*—
Hanson, Edward.

Plouff, Clifford E., Seahurst Park, Wash., assignor to Copeman Laboratories Company, Flint, Mich. Fishing reel. 2,547,282, Apr. 3.

Plumeri, John, assignor to Kramer Trenton Company, Trenton, N. J. Auxiliary evaporating coil for the ice-making section of refrigerators. 2,547,595, Apr. 3.

Polaroid Corporation, assignee: *See*—
Blake, Robert P.
Land, Edwin H., and Ryan.

Pole, Gordon R., White Bear Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated mineral granule, making same, and roofing material surfaced therewith. 2,547,042, Apr. 3.

Polk, Albert F., and J. H. Straw, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,547,717, Apr. 3.

Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Formation of a surface easily wettable by mercury. 2,547,536, Apr. 3.

Polymer Corporation, assignee: *See*—
Alexander, Douglas S.

Pomerantz, Herbert, Pittsfield, Mass. Conveyer. 2,547,885, Apr. 3.

Pothier, Arthur C., and A. C. Howe, Portland, Maine. Tool for removing radio tubes and vibrators. 2,547,138, Apr. 3.

Potholm, Valdemar A., Hartford, Conn. Combined duster and blower. 2,547,718, Apr. 3.

Pottmeyer, Edward W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled furnace door. 2,547,229, Apr. 3.

Potts, Clyde, deceased, Morristown, N. J.; W. Gavett, S. N. Williams, and J. D. Collins, 3rd., executors. Door and mechanism for opening and closing the same. 2,547,488, Apr. 3.

Pouliart, Willy, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic control of selectors by register potential matching. 2,547,043, Apr. 3.

Pouré, Emile E., assignor of one-half to Camille Le Gall, Montreuil-sous-Bois, France. Mixing apparatus. 2,547,092, Apr. 3.

Poux, Noel J., Meadville, Pa. Therapeutical device. 2,547,886, Apr. 3.

Power, James R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringer. 2,547,537, Apr. 3.

Prais, Alfred R., Garfield, N. J. Internal screw-thread concentricity indicator. 2,547,774, Apr. 3.

Pratt Manufacturing Company, assignee: *See*—
Holbrook, Max A.

Praytor, Dennis M., and K. Kershaw, Birmingham, Ala. Track stripping machine. 2,547,596, Apr. 3.

Prescott, Charles H., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Guiding means for movement of solid materials. 2,547,409, Apr. 3.

Priebe, William A., Los Angeles, Calif. Butt gauge. 2,547,489, Apr. 3.

Priesmeyer, Charles, Park Ridge, Ill., assignor to Meyer & Wenthe, Inc. Coin carrier. 2,547,410, Apr. 3.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Gas turbine power plant. 2,547,660, Apr. 3.

Prouty, Robert E., assignor to Essex Wire Corporation, Logansport, Ind. Snap switch. 2,547,171, Apr. 3.

"Pump-It" Incorporated, assignee: *See*—
Bacheller, "D" Flavius.

Purdin, Earl B., Killeen, Tex. Screen alarm. 2,547,283, Apr. 3.

Quaker Chemical Products Corporation, assignee: *See*—
Abrams, Ellis.

Quaker Oats Company, The, assignee: *See*—
Kirk, Douglas.

Rabuck, Arthur G., Royalton, Pa. Drill point gauge. 2,547,284, Apr. 3.

Radio Corporation of America, assignee: *See*—
Aiken, Chester C.
Blaney, Dorothy L.
Burnside, Don G.
Du Bois, William R.
Engstrom, Ralph W.
Morrison, Wendell C.
Pessel, Leopold.
Ramberg, Edward G.
Smith, Arthur L. J.
Smith, Philip T.
Woodward, Oakley M., Jr.

Rainey, James L.: *See*—
Bock, Louis H., Leake, and Rainey.

Ramberg, Edward G., Feasterville, Pa., assignor to Radio Corporation of America. Flourescent color screen for electron optical systems. 2,547,775, Apr. 3.

Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Coupling arrangement between an electron discharge device and cavity resonators. 2,547,411, Apr. 3.

Randall, David L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Production of benzanthrone vat dyes methylated in 9-position. 2,547,044, Apr. 3.

Randall, Merle, Berkeley, Calif. Chlorination of hydrocarbons. 2,547,139, Apr. 3.

Raney, Edwin A.: *See*—
Hogue, Alfred L., Raney, Young, and Runaldue.

Rankin, Albert M., Hagerstown, Md. Ball throwing device. 2,547,776, Apr. 3.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper mechanism. 2,547,285, Apr. 3.

Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine system. 2,547,093, Apr. 3.

Ray, Sam W., Dallas, Tex. Automatic clothesline. 2,547,777, Apr. 3.

Rayburn, Vincent A.: *See*—
Bonnett, Gerson, Rayburn, and Robson.

Raytheon Manufacturing Company, assignee: *See*—
Barttro, James L.
Gardner, Bernard C.
Rubin, Milton D.

Redard, Robert: *See*—
Fromageot, Antoine, Lalande, and Redard.

Reed, Winston H., Radford, Va., and W. A. Pennington, Fayetteville, assignors to Carrier Corporation, Syracuse, N. Y. Refrigerants and refrigeration processes. 2,547,887, Apr. 3.

Reedy, Alfred J.: *See*—
Lucas, Ralph, and Reedy.

Reese, Oliver G., Palmyra, Pa. Kitchen table. 2,547,661, Apr. 3.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Spring anchoring means for oven doors. 2,547,172, Apr. 3.

Regie Nationale des Usines Renault, assignee: *See*—
Salves, Léon.

Reistle, Carl E., Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treating earth formations. 2,547,778, Apr. 3.

Reliance Gauge Column Company, The, assignee: *See*—
Brown, John R.

Remington Arms Company, Inc., assignee: *See*—
Lichtenberg, Edward N.
Turner, John R.
Yost, Kenneth J., Reynolds, and Turner.

Renyck, Walter J., Fairfield, Ohio. Device for dispensing individually sealed articles or commodities. 2,547,779, Apr. 3.

Research Corporation, assignee: *See*—
Gannone, Anthony S.

Research Engineering Corporation, assignee: *See*—
Parrish, Walter.

Reynolds, Warren S.: *See*—
Yost, Kenneth J., Reynolds, and Turner.

Reynst, Maximilien F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Capacitative pickup for pressure indicators. 2,547,780, Apr. 3.

Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. 2-chloroprocaine salt of penicillin. 2,547,782, Apr. 3.

Rhodes, Leslie A., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Reversible crusher with traveling breaker plates. 2,547,888, Apr. 3.

Rhys, Cyril O., Jr.: *See*—
Packle, John W., and Rhys.

Ricchiardi, Pier C., assignee: *See*—
Roggero, Mario.

Rich, Homer C., Lake City, Ill. Provision for turning doughnuts in doughnut cookers. 2,547,490, Apr. 3.

Rich, Hyman R., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Electric hand sprayer. 2,547,094, Apr. 3.

Rich, Theodore A., and J. E. Bigelow, Schenectady, N. Y., assignors to General Electric Company. Feed-back circuit. 2,547,662, Apr. 3.

Richardson, James C., Waterbury, assignor, to The Brockway Company, Naugatuck, Conn. Pipe connector. 2,547,889, Apr. 3.

Rieke, John W., Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridging amplifier. 2,547,538, Apr. 3.

Rimer, Ralph R.: *See*—
Elmer, William B., and Rimer.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal wave duplexing system. 2,547,539, Apr. 3.

Rinia, Herre, and H. de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Apparatus for regulating the indicated power of hot gas motors. 2,547,781, Apr. 3.

Ritterhoff, Eric K.: *See*—
Meyer, Leonard S., and Ritterhoff.

Rittner, Edmund S., White Plains, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Long wave length infrared radiation detector. 2,547,173, Apr. 3.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spool tension for Axminster tube frames. 2,547,491, Apr. 3.

Robbins, Elmer, Portland, Oreg. Abrading tool. 2,547,837, Apr. 3.

Roberts, Wiley T., Liberal, Kans. Power mower. 2,547,540, Apr. 3.

Robertson, Walter R., Sr.: *See*—
Horner, George W., and Robertson.

Robins, Jack B., Colorado Springs, Colo. Jet propulsion engine for model airplanes. 2,547,095, Apr. 3.

Robson, Duer C.: *See*—
Bonnett, Gerson, Rayburn, and Robson.

Roe, Charles C., Longview, Tex., assignor to R. G. LeTourneau, Inc., Stockton, Calif. Flux bridge transformer. 2,547,783, Apr. 3.

Rogers, Francis H.: *See*—
Huzenlaub, Erich G., and Rogers.

Rogers, Gardiner M., Ithaca, N. Y. Fuel injector mechanism. 2,547,174, Apr. 3.

Roggero, Mario, Genova-Sestri, assignor to Pier C. Ricchiardi, Rome, Italy. Shelving structure. 2,547,597, Apr. 3.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Embossed sheet metal service connector. 2,547,663, Apr. 3.

Rohlik, Sigmund, Detroit, Mich. Combination camera case and filter holder. 2,547,492, Apr. 3.

Rohm & Haas Company, assignee: *See*—
Bock, Louis H., Leake, and Rainey.
Bock, Louis H., and Luskin.
Rowland, Stanley P.

Roschke, Erwin M., Chicago, Ill., assignor to Zenith Radio Corporation. Subscription image transmission system and apparatus. 2,547,598, Apr. 3.

Rose, Arnold J.: *See*—
Strohmeier, Clem A.

Rose, Melvin: *See*—
Strohmeier, Clem A.

Rosen, Donald E.: *See*—
Hammar, Gustaf W., Noddin, Rosen, and Treiease.

Rosenthal, Sidney N., New York, N. Y. Marking pen. 2,547,541, Apr. 3.

Ross Gear and Tool Company, assignee: *See*—
Newman, Percy A.

Rosser, William F., New Rochelle, N. Y., assignor to The Sheffield Corporation, Dayton, Ohio. Device for gauging the eccentricity and diameter of an annular part. 2,547,719, Apr. 3.

Rost, Otto W., Chicago, Ill., assignor to The Union Swith and Signal Company, Swissvale, Pa. Railway signal lighting control apparatus. 2,547,664, Apr. 3.

Rostas, Ernest: *See*—
Clark, Trevor H., Clavier, and Rostas.

Roters, Herbert C., Kew Gardens, assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y. Hysteresis dynamoelectric machine. 2,547,599, Apr. 3.

Roth, Irene H., assignee: *See*—
Hasskamp, Fred C.

Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Expanded scale direct-current measuring instrument with polarized core. 2,547,665, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Imido-esters of diels-alder adducts and producing same. 2,547,493, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Production of succinimido-esters. 2,547,494, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Production of bis-phthalimido-esters. 2,547,495, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis-succinimido-esters. 2,547,496, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Reaction products of bis-azolines and diels-alder adducts. 2,547,497, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Polymeric imido-esters prepared from maleic adducts of fatty acid esters and bis-azolines. 2,547,498, Apr. 3.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Aromatic imido-esters production. 2,547,542, Apr. 3.

Rowlett, Allen H., Washington, D. C. Hand-operated washing machine. 2,547,543, Apr. 3.

Rubin, Milton D., Dorchester, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,547,890, Apr. 3.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Increasing the melting point of polymerized rosin. 2,547,230, Apr. 3.

Runaldue, Lewis R.: *See*—
Hogue, Alfred L., Raney, Young, and Runaldue.

Ruperti, Andreas: *See*—
Geiger, Max, Ueteri, and Ruperti.

Russell, Edward W. C., Washington, D. C. Record bearing medium and preparation. 2,547,838, Apr. 3.

Russell, John R.: *See*—
Collins, George A., Russell, and Colahan.

Ryan, Leo E.: *See*—
Baker, Bruce E., Brickman, and Ryan.

Ryan, William H.: *See*—
Land, Edwin H., and Ryan.

Sabin, James O., Dalbo, Minn. Animated decoy. 2,547,286, Apr. 3.

Sabol, John T., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Cooling magnetic cores of electrical apparatus. 2,547,045, Apr. 3.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper mechanism. 2,547,175, Apr. 3.

Sackner Products, Inc., assignee: *See*—
Cook, Wayne S.

Salves, Léon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Steering gear adjusting device for motor vehicles. 2,547,784, Apr. 3.

Saks, Sam: *See*—
Kaish, Theodore, and Saks.

Salisbury, Winfield W., Cedar Rapids, Iowa, assignor to the United States of America as represented by the Secretary of War. High-frequency mixer. 2,547,412, Apr. 3.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Type-wheel construction for printing telegraph receivers. 2,547,046, Apr. 3.

Salmons, George C., assignor to A. B. Chance Company, Centralia, Mo. Drivehead grounding rod. 2,547,176, Apr. 3.

Sample, Basil S.: *See*—
Loveless, Boyd B., Alhand, and Sample.

Sanders, Louis, Clifton, and C. Paff, Garfield, N. J. Liquid applicator. 2,547,287, Apr. 3.

Sanders, Wilburn C., Grandview, Tex. Gas by-pass for storage tank gauging pipes. 2,547,344, Apr. 3.

Sandlie, Bernhart P., Malta, Mont. Haircutting attachment for electric razors. 2,547,288, Apr. 3.

Sanea Enterprises: *See*—
Lent, Edward B.

Sartakoff, Jack D., Douglaston, assignor of one-fourth to R. Seligman, New York, N. Y. Electroosmotic isolation of streptomycin. 2,547,231, Apr. 3.

Saume, Harry L., J. H. Vail, and H. W. Sturgis, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Producing insulated magnet wire. 2,547,047, Apr. 3.

Savickas, Anthony P., Boynton Beach, Fla. Bark scraping machine. 2,547,785, Apr. 3.

Sawyer, Allan G., Brooklyn, and J. W. Burgess, City Island, N. Y., said Burgess assignor to said Sawyer. Paint can holder and brush wiper. 2,547,096, Apr. 3.

Saxer, Theodor, Rorschach, Switzerland. Front-wheel driving mechanism for bicycles. 2,547,600, Apr. 3.

Schants, Edwin M.: *See*—
Pierce, Edith H., and Schants.

Scheirer, Claude A., Havertown, Pa. Cable vise. 2,547,601, Apr. 3.

Scherer, Wayne R., Claremont, Calif., assignor, by mesne assignments, to Taylor Fibre Co., Norristown, Pa. Connector bar. 2,547,413, Apr. 3.

Schjeldahl, Gilmore T., and D. D. Wendt, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Thermoplastic bag construction. 2,547,097, Apr. 3.

Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pyridyl-3-carbinol. 2,547,048, Apr. 3.

Schlumberger Well Surveying Corporation, assignee: *See*—
Krasnow, Shelley.
Krasnow, Shelley, and Curtiss.

Schmidt, Hans W.: *See*—
Taylor, William E., and Schmidt.

Schmitt, Roland G., Chicago, Ill., assignor to Art Lines, Inc., Detroit, Mich. Metallic ribbon imprinting apparatus for book matches. 2,547,602, Apr. 3.

Schmitz, Erich, Granges, Switzerland. Winding and setting mechanism for watch movements. 2,547,140, Apr. 3.

Schmitz, Werner, Grenchen, Switzerland. Polygonal watchcase. 2,547,499, Apr. 3.

Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Idler wheel mounting for phonograph turntable drives. 2,547,666, Apr. 3.

Schubert, Rudolf R., assignee: *See*—
Lee, Arthur L.

Schubert, Rudolf R., assignor to Greensburg Machine Company, Greensburg, Pa. Railway truck frame. 2,547,720, Apr. 3.

Schulze, Arthur R., Johnstown, Pa., assignor to United States Steel Company. Resilient wheel for rail cars. 2,547,667, Apr. 3.

Schulze, Arthur R., Johnstown, Pa., assignor to United States Steel Company. Rail fastening device. 2,547,839, Apr. 3.

Schwartz, Morris, and W. Castedello, assignors to The Kalart Company Inc., Stamford, Conn. Range finder with light beam correction. 2,547,232, Apr. 3.

Seep, Albert E., Denver, Colo. Chart device and tab holder therefor. 2,547,049, Apr. 3.

Segal, Alan N.: *See*—
Segal, Bernard and A. N.

Segal, Bernard, New York, N. Y., and A. N. Segal, East Montreal, Quebec, Canada; said A. N. Segal assignor to said B. Segal. Educational talking toy. 2,547,603, Apr. 3.

Seibert, Ernest H.: *See*—
Nelson, Melven V., and Seibert.

Seinfeld, Ludwik R., New Providence Township, Union County, N. J. Single suction impeller. 2,547,786, Apr. 3.

Selas Corporation of America, assignee: *See*—
Blaha, Emil.
Hess, Frederic O.

Selby, Robert M., Nicollet, Minn. Concrete mixer. 2,547,500, Apr. 3.

Seligman, Roger, assignee: *See*—
Sartakoff, Jack D.

Semb, Joseph, Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing 2-amino-4-hydroxy-6-methylol pteridine. 2,547,501, Apr. 3.

Seppmann, Alfred B., Mankato, Minn. Master cylinder structure. 2,547,233, Apr. 3.

Shallcross Mfg. Company, assignee: *See*—
Mitchell, Frederic D., and O'Halloran.

Sharp, William, Birmingham, England. Electric switch. 2,547,604, Apr. 3.

Sharphouse, John H., Urmston, near Manchester, and J. Downing, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Alkyl cellulose stabilized with hydroquinone. 2,547,141, Apr. 3.

Shatterproof Glass Corporation, assignee: *See*—
Tozer, Ralph N.

Shaw-Walker Company, The, assignee: *See*—
Page, John H.

Shaw-Walker Company, assignee: *See*—
Wikman, Carl W.

Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Blesi, Walter.
Polk, Albert F., and Straw.
Rosser, William F.

Shell Development Company, assignee: *See*—
De Nie, Willem L. J.
Hermont, Alfred J., and Toups.

Shepherd, William G., St. Paul, Minn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secondary emission amplifier. 2,547,142, Apr. 3.

Shirk, Robert M.: *See*—
Evans, James E., and Shirk.

Shoemaker, J. H., assignee: *See*—
Webster, Hugh G.

Short, Glenn G.: *See*—
March, Herbert H., and Short.

Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,547,414, Apr. 3.

Siebring, Barton G.: *See*—
Siebring, Claude and B. G.

Siebring, Claude and B. G., George, Iowa. Mixer for constructional aggregates and the like. 2,547,787, Apr. 3.

Signer, Ralph J., Chicago, and K. F. Beal, Berwyn, assignors to The Visking Corporation, Chicago, Ill. Mixture of polychloroprene, vinylidene chloride-acrylonitrile copolymer, and butadiene-acrylonitrile copolymer. 2,547,605, Apr. 3.

Silverman, Martin, assignor to Electronic Tube Corporation, Philadelphia, Pa. Electrode assembly for cathode-ray tubes. 2,547,415, Apr. 3.

Simmons, Oliver H., Chicago, Ill., assignor to R. D. Buell. Automatic pressure switch. 2,547,050, Apr. 3.

Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchanger. 2,547,668, Apr. 3.

Simpson, Graham E., White Plains, N. Y., assignor to The Linde Air Products Company. Process of and apparatus for separating ternary gas mixtures. 2,547,177, Apr. 3.

Sinclair Refining Company, assignee: *See*—
Joanen, Miles A.

Singer Manufacturing Company, The, assignee: *See*—
Breul, Fredric W.
Karle, John D.

Siren, Anne, deceased, by L. S. Geist, administratrix, Haverford, Pa. Pincushion and implement holder. 2,547,669, Apr. 3.

Sivey, Delia L.: *See*—
Sivey, William F. and D. I.

Sivey, William F. and D. I., Tecumseh, Nebr. Artificial fly. 2,547,788, Apr. 3.

Six, Willem: *See*—
Jonker, Johan L. H., and Six.

Skauge, Arthur A., assignee: *See*—
Nicholson, Charles D.

Skeel, Lewis, assignor to R. W. Thomas, Meadville, Pa. Wedge clamp mechanism. 2,547,789, Apr. 3.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dielectric lens. 2,547,416, Apr. 3.

Skilling, Edwin E., assignor to International Tool Corporation, Chula Vista, Calif. Apparatus for attaching and detaching machine parts. 2,547,345, Apr. 3.

Skinner Chuck Company, The, assignee: *See*—
Harris, Dwight E.

Skinner, Claude M., Ellicott City, assignor to Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md. Profiling machine. 2,547,670, Apr. 3.

Smart, Leslie D., Bournemouth, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee. Oscillograph. 2,547,289, Apr. 3.

Smith, Alva, administratrix: *See*—
Smith, Leathem D., Christianson, Stearn, and Hunt.

Smith, Archibald D., Jr., Amityville, and H. M. Guthman, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio detection system for finding range and direction. 2,547,051, Apr. 3.

Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Calcium beryllium silicate phosphor. 2,547,790, Apr. 3.

Smith, Carl A., Ferguson, and J. A. Wasser, Kirkwood, assignors to Missouri Automatic Control Corporation, St. Louis, Mo. Electromagnetic valve. 2,547,098, Apr. 3.

Smith Control and Instrument Corporation, assignee: *See*—
Wentworth, Elmer J.

Smith, Kenneth E.: *See*—
Churnell, Frank J., and Smith.

Smith, Leathem D., deceased, C. R. Christianson, R. A. Stearn, and H. H. Hunt, Sturgeon Bay, Wis.; said Christianson, said Stearn, and said Hunt assignors to said Smith; A. Smith, administratrix of said L. D. Smith. Lifting rig. 2,547,502, Apr. 3.

Smith, Opal, and O. C. Dudley, Winchester, Ind., assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Glassware transferring mechanism. 2,547,791, Apr. 3.

Smith, Paul S., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa. Strip-forming and feeding apparatus. 2,547,544, Apr. 3.

Smith, Philip T., Princeton, N. J., assignor to Radio Corporation of America. Multiresonator magnetron. 2,547,503, Apr. 3.

Smith, Roland L., Belmont, Mass., assignor to Crown Controls Company, Inc., New Bremen, Ohio. Thermostatic control system for furnaces. 2,547,417, Apr. 3.

Smith, William B., Memphis, Tenn. Sectional mattress. 2,547,840, Apr. 3.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Sofa swing. 2,547,891, Apr. 3.

Smoot, John H., Darien, Conn., assignor to Becton Dickinson and Company, Rutherford, N. J. Injection device and ampoule. 2,547,099, Apr. 3.

Snullin, Louis D., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Coaxial line coupling. 2,547,054, Apr. 3.

Society Bernardau & Cie, assignee: *See*—
Beaudet, Louis.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Bergstrom, Eric V.

Solar Corporation, assignee: *See*—
Lund, Arthur D.

Sollmann, Carl H., Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Siphon bottle with aeration and dispensing control means. 2,547,052, Apr. 3.

Somes, Howard E., Jr., and O. Marquardt, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Quenching. 2,547,053, Apr. 3.

Sostmann, Morris J., and I. L. Phillips, Philadelphia, assignors to Philadelphia Textile Finishers, Inc., Norristown, Pa. Fire-resistant article, making, and impregnant therefor. 2,547,671, Apr. 3.

Soundscriber Corporation, The, assignee: *See*—
Thompson, Lincoln.

Spang, William F., Milton, assignor to Cube Steak Machine Co., Needham Heights, Mass. Meat tenderizing machine. 2,547,234, Apr. 3.

Spanjer, John, Ephrata, Wash. Knockdown fruit box. 2,547,672, Apr. 3.

Spector, Irving, Miami, Fla. Inclinable saw hub and arbor. 2,547,418, Apr. 3.

Speed, Floyd E., Oakfield, N. Y. Farm gate. 2,547,792, Apr. 3.

Speicher, Harold S., assignor to The Cyclone Seeder Co., Inc., Urbana, Ind. Seed sower. 2,547,143, Apr. 3.

Spence, John A., Richmond, assignor to California Research Corporation, San Francisco, Calif. Carbonylation catalyst recovery. 2,547,178, Apr. 3.

Sperry Corporation, The, assignee: *See*—
Eberly, John H.
Esval, Orland E., Wrigley, and Haskins.

Spiegelberg, Hans, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 2-amino-4-hydroxy-6-(hydroxymethyl)-pteridine. 2,546,959, Apr. 3.

Spilman, Raymond, Bronxville, assignor to L. E. Waterman Company, New York, N. Y. Dip inkwell. 2,547,100, Apr. 3.

Spoor, Theodorus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Slide core coil for a tuned circuit having a constant selectivity. 2,547,793, Apr. 3.

Sprenger, William H.: *See*—
Buchholz, Arnold R., Sprenger, and Hoffman.

Stacey Brothers Gas Construction Company, assignee: *See*—
Kissick, Russell P.

Stalker, Edward A., Bay City, Mich. Automatic control for helicopter rotors. 2,547,721, Apr. 3.

Staller, Jan, Brno, Czechoslovakia. Apparatus for filling inverted bottles. 2,547,606, Apr. 3.

Standard Gage Company, Inc., assignee: *See*—
Boat, Earl M.

Standard Oil Company, assignee: *See*—
Tom, Theodore B., and Krause.

Standard Oil Development Company, assignee: *See*—
Bailey, Herbert O.
Baldwin, Francis P.
Cook, George B.
McAteer, James H.
Packie, John W., and Rhys.
Reistle, Carl E., Jr.

Standard Register Company, The, assignee: *See*—
Wharton, Richard H.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Mosher, Fred D.

Stanley, Lester N.: *See*—
von Glahn, William H., and Stanley.

Stapling Machines Co., assignee: *See*—
Woodbury, Glen P.

Steahly, George W., Maplewood, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of tetrachlorophthalic anhydrides. 2,547,504, Apr. 3.

Steahly, George W., Maplewood, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of chlorophthalic anhydrides. 2,547,505, Apr. 3.

Stearn, Richard A.: *See*—
Smith, Leathem D., Christianson, Stearn, and Hunt.

Stephens, William T., Painesville, assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Manually operated reciprocating pump. 2,547,055, Apr. 3.

Stephenson Corporation, assignee: *See*—
Goodner, Monroe H.

Stevens, Frank J. Nutley, N. J. Centerless grinding device. 2,547,290, Apr. 3.

Stevens, Joe O.: *See*—
Melvin, Francis F., and Stevens.

Stevens, Robert B., Greenwich, N. Y. Container for paper napkins. 2,547,892, Apr. 3.

Stewart, Floyd D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Animal repellent compositions comprising thiocyanic acid salts of primary and secondary methylidene amines. 2,547,722, Apr. 3.

Stieglitz, Henry C., assignor to Thompson Products, Inc., Cleveland, Ohio. Polishing machine for impeller wheels. 2,547,056, Apr. 3.

Stieglitz, Henry C., assignor to Thompson Products, Inc., Cleveland, Ohio. Polishing machine for impeller wheels. 2,547,057, Apr. 3.

Stoffel, Lester L., Lakewood, assignor to The Ohio Carbon Company, Cleveland, Ohio. Resistor. 2,547,506, Apr. 3.

Stöldt, Clarence A., Oklahoma City, Okla. Attachment of preformed blocks to wall studs. 2,547,347, Apr. 3.

Stoll, Michael: *See*—
Hasselstrom, Torsten, and Stoll.

Stone, Spencer A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Distributor for dividing a flowing stream of material. 2,547,794, Apr. 3.

Stoppani, A. G., assignee: *See*—
Wydler, Hermann.

Stordy Engineering Limited, assignee: *See*—
Stordy, John J.

Stordy, John J., Albrighton, Wolverhampton, assignor to Stordy Engineering Limited, Wolverhampton, England. Electric annealing furnace. 2,547,795, Apr. 3.

Straw, Jesse H.: *See*—
Polk, Albert F., and Straw.

Street, Donald T., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Corneal sighting gauge for trial frames. 2,547,348, Apr. 3.

Strickland, Allard D., Gallivants Ferry, assignor to J. D. Duncan, Loris, S. C. Oil burning stove for drying tobacco. 2,547,841, Apr. 3.

Strohmeier, Clem A., Cleveland, Ohio, assignor of one-third to A. J. Rose and two-thirds to M. Rose. Gun for dispensing plastic material. 2,547,179, Apr. 3.

Strong, John D., Baltimore, Md., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Measuring the optical properties of films. 2,547,545, Apr. 3.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency amplifier, including a velocity modulation tube. 2,547,235, Apr. 3.

Stulpin, Edward I., and W. R. Hajdyla, Detroit, Mich. Door lock mechanism. 2,547,546, Apr. 3.

Sturgis, Howard W.: *See*—
Saums, Harry L., Vail, and Sturgis.

Stutz, Frederick L., assignor to Kirsch Company, Sturgis, Mich. Curtain rod bracket. 2,547,893, Apr. 3.

Styll, Edson E., Huntington Park, assignor to Stylon Corporation, Long Beach, Calif. Popcorn vending machine. 2,547,291, Apr. 3.

Stylon Corporation, assignee: *See*—
Styll, Edson E.

Suckadorf, Albert M., Chicago, Ill. Fishing rod guide. 2,547,507, Apr. 3.

Sugarman, Emanuel E., Baldwin, and J. Miller, Jamaica, N. Y. Obtaining foot impressions. 2,547,419, Apr. 3.

Sulfrian, Gerard F., assignor to Hofman Laboratories, Inc., Newark, N. J. Double-walled thermally insulated vessel. 2,547,607, Apr. 3.

Sumner, Ira L., Greenville, S. C. Telephone handset lock. 2,547,420, Apr. 3.

Sundholm, Norman K., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Chemicals and fungicides. 2,547,723, Apr. 3.

Sundholm, Norman K., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. 2-alkyliminonaphtho[2,3]-1,3-dithiole-4,9-dione alkohalide and fungicidal compositions containing same. 2,547,724, Apr. 3.

Sutton, Robert J., Chicago, Ill., assignor to Hotpoint Inc. Electric terminal structure. 2,547,058, Apr. 3.

Svenska Sockerfabriks Aktiebolaget, assignee: *See*—
Wiklund, Olof.

Swenson, Carl E., Rockford, Ill. Multiple-speed drive. 2,547,236, Apr. 3.

Swenson, Carl E., Buffalo, N. Y. Roller skate. 2,547,796, Apr. 3.

Sydney-Thomas Corporation, assignee: *See*—
Mehl, Jonah.

Sylvania Electric Products Inc., assignee: *See*—
Kellholtz, Gerald W., and Jerome.

Syndicate Glass, Inc., assignee: *See*—
Walker, Carl R.

Syracuse Chilled Plow Co., Inc., assignee: *See*—
Young, Austin E.

Tascher, Eugene S., Ingleside, and G. Brungard, Upper Montclair, N. J., assignors to National Biscuit Company, New York, N. Y. Package selector and loader. 2,547,292, Apr. 3.

Tatar, Germaine, Detroit, Mich. Combined chair and cabinet. 2,547,547, Apr. 3.

Taylor Fibre Co., assignee: *See*—
Scherer, Wayne R.

Taylor, Frank S., Glasgow, Mont. Rifle construction. 2,547,180, Apr. 3.

Taylor Instrument Companies, assignee: *See*—
Aldridge, Clarence F., and Brown.

Taylor, William E., Riverside, Conn., and H. W. Schmidt, Union, N. J., assignors to American Can Company, New York, N. Y. Container. 2,547,059, Apr. 3.

Tegarty, John B., Lakewood, Ohio. Clothespin. 2,547,349, Apr. 3.

Telechron, Inc., assignee: *See*—
Faustini, Albert J.

Teletype Corporation, assignee: *See*—
Zenner, Walter J.

Tellfors, Herbert G., Chicago, assignor to Clybourne Machine Corporation, Cook County, Ill. Ticket pasting machine. 2,547,508, Apr. 3.

Temby, Randall U.: *See*—
Harworth, Keith K., and Temby.

War, United States of America as represented by the Secretary of, assignee : *See*—
Bishop, Amasa S.
Dicke, Robert H.
Huston, William D., and Brady.
Rambo, William R.
Sallsbury, Winfield W.
Sichak, William.
Warner, Donald T. : *See*—
Moe, Owen A., and Warner.
Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Gamma acetoxy-gamma, gamma dicarbalkoxy-butyraldeydes and process. 2,546,958, Apr. 3.
Wasser, Joseph A. : *See*—
Smith, Carl A., and Wasser.
Waterbury Farrel Foundry & Machine Company, The, assignee : *See*—
Wilcox, Richard L.
Waterman, L. E., Company, assignee : *See*—
Spilman, Raymond.
Way, Elwood J., Washington, D. C. Index strip and making the same. 2,547,068, Apr. 3.
Wayne, Truman B., Houston, Tex. Process and reagents for resolving emulsions. 2,547,188, Apr. 3.
Webster Electric Company, assignee : *See*—
Campbell, Richard H.
Webster, Hugh G., assignor to J. H. Shoemaker, Detroit, Mich. Composition and process for electrolytic cleaning of metals. 2,547,510, Apr. 3.
Weeks, Wendy, Great Neck, N. Y. Hair retaining device. 2,547,295, Apr. 3.
Wegman, Evert S., East Longmeadow, Mass., and B. G. Copping, Atlanta, Ga., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispensing apparatus for carbonated beverages. 2,547,423, Apr. 3.
Weiner, Jan : *See*—
Bouchard, Leo J., Hammerslag, and Weiner.
Weissman, Richard, assignor to Nuclear Instrument and Chemical Corporation, Chicago, Ill. Electrical apparatus. 2,547,511, Apr. 3.
Welch, William W., Sr., Cincinnati, Ohio. Window ventilatof. 2,547,189, Apr. 3.
Wellen, James F., assignor of one-half to P. P. Cafardi, Pittsburgh, Pa. Canopy for gasoline dispensing pumps. 2,547,896, Apr. 3.
Wendt, Donovan D. : *See*—
Schjeldahl, Gilmore T., and Wendt.
Wennemer, Gerard P., Fairmount, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringing equipment for pulse modulation systems. 2,547,549, Apr. 3.
Wenner, Ralph R., West Carrollton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Multistage continuous reaction process for the production of vinyl acetate. 2,547,916, Apr. 3.
Wentworth, Elmer J., Framingham, assignor to Smith Control and Instrument Corporation, Needham, Mass. Thermostatic switch. 2,547,610, Apr. 3.
Wernig, James H., assignor to General Motors Corporation, Detroit, Mich. Window mounting. 2,547,799, Apr. 3.
West, Charles A., Southbridge, Mass. Temperature controlled actuating mechanism. 2,547,800, Apr. 3.
West Disinfecting Company, assignee : *See*—
Marcuse, James E.
Rich, Hyman R.
Western Electric Company, Incorporated, assignee : *See*—
Ames, William L.
Bonnett, Gerson, Rayburn, and Robson.
Cox, Thomas K.
Elcher, William F.
Gray, Alvin N.
Longfellow, Harold R.
Westinghouse Electric Corporation, assignee : *See*—
Edson, William W.
Fegely, Hugh S.
Friedrich, Robert E.
Jones, Maurice F. and R. C.
Owens, James B., and Large.
Wegman, Evert S., and Copping.
Wettstein, Albert, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Making pregnane derivatives substituted in 21-position. 2,547,917, Apr. 3.
Wharton, Richard H., assignor to The Standard Register Company, Dayton, Ohio. Quick-setting inks and making. 2,547,069, Apr. 3.
Wheeling Stamping Company, assignee : *See*—
McGinnis, Archibald B.
Whitcomb, William H., Portland, Oreg. Cashbox. 2,547,512, Apr. 3.
White, Ellis E., Bremerton, Wash. Fish plug. 2,547,103, Apr. 3.
White, Eric L. C. : *See*—
Johnson, Leonard R. J., Holloway, and White.
White, James E., Los Angeles, Calif. Vertically adjustable table. 2,547,296, Apr. 3.
White Metal Manufacturing Company, assignee : *See*—
Lehmann, Emil.
Whiting, John A., Kansas City, Mo., assignor to American Home Products Corporation, New York, N. Y. Anticoccidiotic composition. 2,547,144, Apr. 3.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Hinge construction. 2,547,550, Apr. 3.
Whitton, Wilfred J., San Francisco, Calif. Making razor heads. 2,547,104, Apr. 3.
Whizzer Motor Company, assignee : *See*—
Hall, Walter L.
Wickland, Lawrence A., Altadena, Calif. Dish holder and stand. 2,547,844, Apr. 3.
Widdoes, Beatrice T. : *See*—
Bourelle, Roy F., and Widdoes.
Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electromagnetic transducer head. 2,547,297, Apr. 3.
Wiemers, Frank C., Manson, Iowa. Snap bean stringer. 2,547,352, Apr. 3.
Wiinikka, Raymond, Detroit, Mich. Loss preventing attachment for caps. 2,547,353, Apr. 3.
Wiklund, Olof, assignor to Svenska Sockerfabriks Aktiebolaget, Malmo, Sweden. Purifying juice. 2,547,298, Apr. 3.
Wikman, Carl W., assignor to Shaw-Walker Company, Muskegon, Mich. Lock mechanism for insulated filing cabinets. 2,547,513, Apr. 3.
Wilcock, Donald F., Saugus, Mass., and D. T. Hurd, Schenectady, N. Y., assignors to General Electric Company. Liquid polysiloxanes. 2,547,678, Apr. 3.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Making double chamfered nuts or the like. 2,547,801, Apr. 3.
Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. System for measurement of small currents. 2,547,105, Apr. 3.
Williams, Calvin D., Cloquet, Minn. Trailer hitch. 2,547,299, Apr. 3.
Williams, Rudolph, New York, N. Y. Article holding clip. 2,547,424, Apr. 3.
Williams, Stanley N., executor : *See*—
Potts, Clyde.
Willis, Grant N. : *See*—
Clary, Frank A., Jr., and Willis.
Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Register locking means. 2,547,741, Apr. 3.
Wilson, Charles D., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Diaphragm for reheat elastic fluid turbines. 2,547,300, Apr. 3.
Wilson, Samuel A., Shreveport, La., assignor to Maloney-Crawford Tank and Manufacturing Company, Tulsa, Okla. Oil and gas separator. 2,547,190, Apr. 3.
Winkler, Marion R., La Grange Park, assignor to Motorola, Inc., Chicago, Ill. Vibrating reed structure. 2,547,026, Apr. 3.
Winkler, Marion R., La Grange Park, assignor to Motorola, Inc., Chicago, Ill. Vibrating reed controlled oscillator. 2,547,027, Apr. 3.
Winnen, Franklyn E. : *See*—
Benjamin, Milton L., and Winnen.
Wiremold Company, assignee : *See*—
Chernack, Abel E.
Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Transmission line measuring system. 2,547,802, Apr. 3.
Wolfe, John K., Burnt Hills, N. Y., assignor to General Electric Company. 3,3'-bis-(trifluoromethyl) diphenyl ether. 2,547,679, Apr. 3.
Wood, John, Manufacturing Company, Inc., assignee : *See*—
Willson, David S.
Woodbury, Glen P., Reading, Mass., assignor to Stapling Machines Co., Rockway, N. J. Apparatus for manufacturing box constructions. 2,547,514, Apr. 3.
Worden, Walter F., Philadelphia, Pa. Center marking caliper. 2,547,354, Apr. 3.
Woznlak, Brunislaw F., Lynn, Mass. Adjustable back rest folding chair. 2,547,897, Apr. 3.
Wright, Claude L., Burns, Oreg. Ditch grader. 2,547,680, Apr. 3.
Wright, Harold P., assignee : *See*—
Burgess, Marion I.
Wright, Zimmerman, Inc., assignee : *See*—
Carlson, Donald C.
Wrigley, Walter : *See*—
Esval, Orland E., Wrigley, and Haskins.
Wurlitzer, Rudolph Company, The, assignee : *See*—
Zuck, Victor I.
Wydler, Hermann, assignor to Stoppani A. G., Berne, Switzerland. Flowmeter with pistons. 2,547,301, Apr. 3.
Yingling, Frank B., assignee : *See*—
MacGuire, William E.
Yonkler, Theodore, Bronx, assignor to The Henry Booth Methods Corporation, New York, N. Y. Screen for taking measurements from projections. 2,547,425, Apr. 3.
Yost, Kenneth J., and W. S. Reynolds, Westport, and J. R. Turner, Stratford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Article feed device. 2,547,551, Apr. 3.

Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Potato digger having vine cutter. 2,547,355, Apr. 3.
Young, Cyril C., Kansas City, Mo. Combination gas and oil burner and control therefor. 2,547,611, Apr. 3.
Young, James A. : *See*—
Hogue, Alfred L., Raney, Young, and Runaldue.
Young, Joseph G. : *See*—
Crafton, Walter, and Young.
Young, Lloyd W., Elizabeth, N. J., assignor to The Linde Air Products Company. Method and apparatus for cutting ferrous metal bar stock. 2,547,191, Apr. 3.
Young, Richard H., and I. R. Ferguson, assignors to Flectolite, Rochester N. Y. Fishing lure. 2,547,240, Apr. 3.
Youngman, John D., Sleepy Eye, Minn. Stall and manger construction. 2,547,426, Apr. 3.
Youngstown Steel Door Company, The, assignee : *See*—
Duffie, James A., and Doyle.
Yuba Manufacturing Company, assignee : *See*—
Von Bolhar, Edgar.
Z & W Machine Products, Inc., assignee : *See*—
Ziberl, Frank.
Zachariassen, Stig H. B., assignor to Aktiebolaget Separator, Stockholm, Sweden. Swivel joint. 2,547,106, Apr. 3.
Zaras, Louis, Flemington, N. J. Hernia pad. 2,547,727, Apr. 3.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch disk. 2,547,427, Apr. 3.
Zenith Radio Corporation, assignee : *See*—
Adler, Robert.
Roschke, Erwin M.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Secrecy system. 2,547,515, Apr. 3.
Zentner, Paul H., Milwaukee, Wis. Right and left turn signal for automobiles. 2,547,192, Apr. 3.
Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Pickling of metals. 2,547,193, Apr. 3.
Zesch, Eugene M., Shillington, assignor to Karl Lieberknecht, Inc., Reading, Pa. Welting instrumentality for knitting machines and use. 2,547,898, Apr. 3.
Zeun, Louis H., assignor to Peter Paul, Inc., Naugatuck, Conn. Machine for depositing nuts on candy bars. 2,547,516, Apr. 3.
Zienty, Ferdinand B., Brentwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Shortstopping agents in emulsion polymerization. 2,547,194, Apr. 3.
Zienty, Ferdinand B., Brentwood, and D. J. Harvey, assignors to Monsanto Chemical Company, St. Louis, Mo. Gentisic acid and its alkali metal and ammonium salts. 2,547,241, Apr. 3.
Ziherl, Frank, Euclid, Ohio, assignor to Z & W Machine Products, Inc. Mercury seal bushing. 2,547,428, Apr. 3.
Zimmer Manufacturing Company, assignee : *See*—
Ettinger, Joe J.
Zinn, Julius A., Jr., Chicago, Ill. Pressure mechanism for box forming machines. 2,547,899, Apr. 3.
Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric organ coupler assembly. 2,547,918, Apr. 3.
Zweidler, Reinhard : *See*—
Häusermann, Heinrich, and Zweidler.
Zwobada, René : *See*—
Touraton, Emile, Zwobada, and Gratzmuller.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. E. Robbins. 2,547,837, Apr. 3.
Abutment for automobile frame presses. L. V. Jacobsen and G. G. Gosline. 2,547,757, Apr. 3.
Acylated derivatives of certain diamino distyrylbenzene disulfonic acids. H. Häusermann and R. Zweidler. 2,547,910, Apr. 3.
Adjustable back rest folding chair. B. F. Wozniak. 2,547,897, Apr. 3.
Adjustable bed table. H. E. Heuser. 2,547,642, Apr. 3.
Adjustable miter box. R. E. Hess. 2,547,121, Apr. 3.
Adjustable seat. W. B. Dean. 2,547,446, Apr. 3.
Air-conditioning control arrangement. W. L. McGrath. 2,547,879, Apr. 3.
Aircraft, Fluid-jet-sustained. I. M. Hoglin. 2,547,266, Apr. 3.
Alarm, Screen. E. B. Purdin. 2,547,283, Apr. 3.
Alarm system, Localized. J. H. Kirkpatrick, Jr. 2,547,016, Apr. 3.
Alkali metal aluminum fluoride, Manufacture of. E. Brodal and H. Guldhav. 2,547,901, Apr. 3.
Alkane sulfonic acids, Preparing. J. K. Fincke. 2,547,906, Apr. 3.
Alkyl cellulose stabilized with hydroquinone. J. H. Sharphouse and J. Downing. 2,547,141, Apr. 3.
Alloy: *See*—
  Copper base alloy.
All-weather recording board. J. P. Nielsen. 2,547,167, Apr. 3.
Ammunition lubrication. J. R. Turner. 2,547,548, Apr. 3.
Amplifier, Bridging. J. W. Rieke. 2,547,538, Apr. 3.
Amplifier for motor controls, Electronic. R. R. Chapman. 2,547,621, Apr. 3.
Amplifier, High efficiency class C. J. C. Ferguson. 2,546,993, Apr. 3.
Amplifier, Including a velocity modulation tube, High-frequency. M. J. O. Strutt and A. van der Ziel. 2,547,235, Apr. 3.
Amplifier, Negative feedback. L. R. J. Johnson, D. G. Holloway, and E. L. C. White. 2,547,213, Apr. 3.
Amplifier, Secondary emission. W. G. Shepherd. 2,547,142, Apr. 3.
Amplifier, Space-charge-coupled cascade. R. Adler. 2,547,145, Apr. 3.
Amplifier, Stabilized. A. B. Anderson. 2,547,107, Apr. 3.
Antenna. W. Sichak. 2,547,414, Apr. 3.
Antenna structure, High-frequency. P. C. Gardiner and C. W. Frick. 2,547,637, Apr. 3.
Anticoccidiotic composition. J. A. Whiting. 2,547,144, Apr. 3.
Antiskid device for vehicle tires. G. W. Horner and W. R. Robertson, Sr. 2,547,007, Apr. 3.
Antislipping device. A. A. Carabatsos. 2,547,812, Apr. 3.
Apparatus for applying linear designs to work surfaces. A. Beckelman. 2,547,554, Apr. 3.
Apparatus for attaching and detaching machine parts. E. E. Skilling. 2,547,345, Apr. 3.
Apparatus for cleaning gases. J. E. Burton. 2,547,902, Apr. 3.
Apparatus for continuously making retractile cordage. T. K. Cox. 2,547,357, Apr. 3.
Apparatus for controlling highway crossing signals. M. R. Douglass. 2,547,626, Apr. 3.
Apparatus for detecting metal objects on a moving belt. P. J. Nelson. 2,547,407, Apr. 3.
Apparatus for determining the composition of a substance. N. C. Jamison, O. G. Koppius, T. R. Kohler, and J. G. Black. 2,547,212, Apr. 3.
Apparatus for determining the liquid level in a container. E. Hanson. 2,547,002, Apr. 3.
Apparatus for determining the voltage of a battery. S. C. Hurley, Jr. 2,547,324, Apr. 3.
Apparatus for extracting heat from gases under pressure. L. J. Marshall. 2,547,589, Apr. 3.
Apparatus for filling inverted bottles. J. Staller. 2,547,606, Apr. 3.
Apparatus for investigating a plurality of physical values in boreholes. S. Krasnow. 2,547,876, Apr. 3.
Apparatus for making pottery ware. A. J. Wahl. 2,547,294, Apr. 3.
Apparatus for making retractile cordage continuously. W. L. Ames. 2,547,356, Apr. 3.
Apparatus for manufacturing box constructions. G. P. Woodbury. 2,547,514, Apr. 3.
Apparatus for preventing static charges from collecting on articles in a dispensing hopper. H. R. Longfellow. 2,547,132, Apr. 3.
Apparatus for refinishing floors. J. Lombardo. 2,547,223, Apr. 3.
Apparatus for regulating the indicated power of hot gas motors. H. Rinia and H. de Brey. 2,547,781, Apr. 3.
Apparatus for relieving the teeth of circular cutting elements. R. W. Andreasson. 2,547,845, Apr. 3.
Apparatus for simultaneously advancing and plasticizing plastic compounds. A. N. Gray. 2,547,000, Apr. 3.
Apparatus for stereophonic sound reproduction. K. de Boer. 2,547,447, Apr. 3.
Apparatus for taking physical measurements in boreholes. S. Krasnow. 2,547,875, Apr. 3.
Apparatus for working sheet material. F. B. Pfeiffer. 2,547,836, Apr. 3.
Appliance useful in permanent waving of hair. M. I. Burgess. 2,547,810, Apr. 3.
Applicator, Liquid. L. Sanders and C. Paff. 2,547,287, Apr. 3.
Arrangement for determining distance by means of electromagnetic waves. P. K. Chatterjea and L. W. Houghton. 2,546,973, Apr. 3.
Article feed device. K. J. Yost, W. S. Reynolds, and J. R. Turner. 2,547,551, Apr. 3.
Article holding clip. R. Williams. 2,547,424, Apr. 3.
Artificial fly. W. F. and D. I. Sivey. 2,547,788, Apr. 3.
Artificial oestrogenic compounds and products obtained thereby, Preparing. A. Horeau and J. Jacques. 2,547,123, Apr. 3.
Attaching wing tip fuel tanks to airplanes. H. E. Michael. 2,547,226, Apr. 3.
Attachment for caps, Loss preventing. R. Wilnikka. 2,547,353, Apr. 3.
Attachment for drinking glasses, Animated. E. N. Genovese. 2,547,312, Apr. 3.
Attachment for electric razors, Haircutting. B. P. Sandlie. 2,547,288, Apr. 3.
Attachment for sewing machines, Work-guiding. F. W. Breul. 2,547,562, Apr. 3.
Attachment for stock and die implements, Pipe reaming and burring. T. A. Caliendo. 2,547,195, Apr. 3.
Attachment of preformed blocks to wall studs. C. A. Stoldt. 2,547,347, Apr. 3.
Automatic contrast control system for television apparatus. A. V. Loughren. 2,547,648, Apr. 3.
Automatic control of selectors by register potential matching. W. Poullart. 2,547,043, Apr. 3.
Automatic hydraulic-mechanical follow-up control system. J. P. Anderson. 2,547,552, Apr. 3.
Automatic pressure switch. O. H. Simmons. 2,547,050, Apr. 3.
Automatic trailer coupling. J. R. Gosser. 2,547,313, Apr. 3.
Awning, Store. E. P. D'Azzo. 2,547,692, Apr. 3.
Baby holding device. L. A. Hoder. 2,547,466, Apr. 3.
Backrest for automobiles. F. E. Veale. 2,547,350, Apr. 3.
Back rest, Resiliently pivoted. R. J. Freeman. 2,547,455, Apr. 3.
Bacon rind product, Producing a. G. A. Darrow. 2,547,747, Apr. 3.
Bag: *See*—
  Garment storage bag. Vacuum cleaner dust bag.
Bag construction, Thermoplastic. G. T. Schjeldahl and D. D. Wendt. 2,547,097, Apr. 3.
Balancing rotors, Method and apparatus for. C. H. Lindenberg and T. Ongaro. 2,547,764, Apr. 3.
Ball throwing device. A. M. Rankin. 2,547,776, Apr. 3.
Bar: *See*—
  Connector bar.
Barn cleaner. J. Kunz. 2,547,270, Apr. 3.
Bathtub with cloth support, Baby. R. L. Burr and J. M. Hudson. 2,547,743, Apr. 3.
Battery, Multiple dry cell. S. Greenstein. 2,547,262, Apr. 3.
Beacon guide. H M. Wagner. 2,547,066, Apr. 3.
Bearing: *See*—
  Journal bearing. Resilient side bearing.
Bearing support for gears. C. J. Lucia. 2,547,877, Apr. 3.
Bed, Folding. J. L. Godschalk. 2,547,863, Apr. 3.
Bed, Invalid. O. A. Logan. 2,547,827, Apr. 3.
Beneficiation of iron ores. W. A. Bates. 2,547,148, Apr. 3.

Benzanthrone vat dyes methylated in 9-position, Production of. D. I. Randall. 2,547,044, Apr. 3.
Billet heating. F. O. Hess. 2,547,755, Apr. 3.
Bis-phthalimido-esters, Production of. S. P. Rowland. 2,547,495, Apr. 3.
Bis succinimido-esters. S. P. Rowland. 2,547,496, Apr. 3.
Bit: *See*—
Mining machine cutter bit.
Blanket, Textile print. E. W. Merrill. 2,547,220, Apr. 3.
Board: *See*—
All - weather recording board.
Bottle with aeration and dispensing control means, Siphon. C. H. Sollmann. 2,547,052, Apr. 3.
Box: *See*—
Adjustable miter box. Knockdown fruit box.
Box construction. W. F. Barry. 2,547,849, Apr. 3.
Box, desk, and seat, Combination typewriter. R. E. Herrick. 2,547,754, Apr. 3.
Bracket: *See*—
Curtain rod bracket. Jointed bracket.
Hanger bracket.
Brake: *See*—
Coaster brake.
Brake beam guide. N. Flesch. 2,547,860, Apr. 3.
Brake head arrangement. N. Flesch. 2,547,572, Apr. 3.
Braking system for intermittent feed apparatus. F. K. Mausznest. 2,547,828, Apr. 3.
Bread, Production of unfermented. W. P. Cohoe. 2,547,566, Apr. 3.
Brewer, Automatic coffee. C. N. Waline. 2,547,067, Apr. 3.
Broach with work guiding means, Internal. R. N. Tozer. 2,547,509, Apr. 3.
Broaching machine. F. A. Best. 2,546,962, Apr. 3.
Brush and spindle construction for pan greasing machines. A. B. Peffer. 2,547,091, Apr. 3.
Bubble cap assembly. H. C. Glitsch. 2,547,384, Apr. 3.
Bubble cap riser. H. C. Glitsch. 2,547,383, Apr. 3.
Bubble maker, Mechanical hand powered soap. G. J. King. 2,547,825, Apr. 3.
Buckle. B. Björkström. 2,547,557, Apr. 3.
Buoy, Swimmer's life. W. J. Lund. 2,547,333, Apr. 3.
Burner: *See*—
Fuel burner. Vaporizing-type oil burner.
Oil burner.
Burner and control therefor, Combination gas and oil. C. C. Young. 2,547,611, Apr. 3.
Burner and means for removing products of combustion, Radiant gas. E. Blahn. 2,547,735, Apr. 3.
Burner and secondary air feed baffles, Multiple gaseous fuel. C. A. Brown. 2,547,850, Apr. 3.
Burner with gas preheating chamber and flame nozzles, Gas. H. H. Marsh and G. Short. 2,547,276, Apr. 3.
Butt gauge. W. A. Priebe. 2,547,489, Apr. 3.
Cabinet: *See*—
Telephone cabinet.
Cabinet composed of interlocking sections. W. E. Haut. 2,547,463, Apr. 3.
Cabinet for babies, Bath. W. L. Henderson. 2,547,641, Apr. 3.
Cable system for hoisting mechanisms. J. E. Evans and R. M. Shirk. 2,546,991, Apr. 3.
Cable vise. C. A. Scheirer. 2,547,601, Apr. 3.
Calcium beryllium silicate phosphor. A. L. J. Smith. 2,547,790, Apr. 3.
Calcium silicate of microcrystalline lathlike structure. G. L. Kalousek. 2,547,127, Apr. 3.
Calculating machine, Key-driven. J. A. V. Turck. 2,547,063, Apr. 3.
Caliper, Center marking. W. F. Worden. 2,547,354, Apr. 3.
Calling system, Frequency selective. D. E. Noble. 2,547,025, Apr. 3.
Calling system, Selective. R. J. Lense and A. S. Holzinger. 2,547,023, Apr. 3.
Calling system, Selective. D. E. Noble. 2,547,024, Apr. 3.
Camera case and filter holder, Combination. S. Rohlik. 2,547,492, Apr. 3.
Cap: *See*—
Pen cap.
Can with flexible spout, Safety. I. Barclay. 2,547,847, Apr. 3.
Canopy for gasoline dispensing pumps. J. F. Wellen. 2,547,896, Apr. 3.
Car for race tracks, Overhead-suspended. R. A. Massey. 2,547,715, Apr. 3.
Carbon compounds, Perfluoro. C. I. Gochenour. 2,546,997, Apr. 3.
Carbonylation catalyst recovery. J. A. Spence. 2,547,178, Apr. 3.
Carburetor. S. F. Hunt. 2,547,579, Apr. 3.
Card and framed picture, Combination greeting. R. Bacharach. 2,547,359, Apr. 3.
Card and holder therefor, Index. M. V. Nelson and E. H. Seibert. 2,547,166, Apr. 3.
Card, Pocketed display. H. Garfield. 2,547,078, Apr. 3.
Carriage positioning mechanism. C. W. Crumrine. 2,547,443, Apr. 3.
Carrier: *See*—
Coin carrier. Extensible tire carrier.
Carrier, A. F. Green. 2,547,459, Apr. 3.
Carrier and filler material. R. B. Arnold and A. L. Galloway. 2,547,730, Apr. 3.
Cart, Golf club. G. I. Mills. 2,547,829, Apr. 3.
Carton, Folding. R. C. Ellsworth. 2,547,628, Apr. 3.
Cartridge ejector, Submarine carried. J. V. Amero. 2,546,961, Apr. 3.
Case: *See*—
Display case.
Case shift mechanism for typewriting machines. J. C. Veltman and W. O. Michelsen. 2,547,895, Apr. 3.
Cashbox. W. H. Whitcomb. 2,547,512, Apr. 3.
Casting machine, Grid plate. A. D. Lund. 2,547,081, Apr. 3.
Casting rod handle. P. H. Mullins. 2,547,655, Apr. 3.
Catalyst for hydrocarbon conversion. R. N. Fleck. 2,547,380, Apr. 3.
Catalytic cracking of hydrocarbons and apparatus therefor. R. C. Lassiat, G. H. Kelso and J. E. Evans. 2,547,021, Apr. 3.
Catalytic reforming of hydrocarbons in the presence of hydrogen. E. T. Layng. 2,547,221, Apr. 3.
Cement composition and making. A. C. Byrns. 2,546,971, Apr. 3.
Cement, Partially cured rubberlike. F. P. Baldwin. 2,547,733, Apr. 3.
Center. H. K. Dearborn. 2,547,858, Apr. 3.
Chair: *See*—
Adjustable back rest folding chair. Child's training chair.
Chair and cabinet, Combined. G. Tatar. 2,547,547, Apr. 3.
Chair and ladder, Combination. H. A. and M. Gelman. 2,547,699, Apr. 3.
Chart device and tab-holder therefor. A. E. Seep. 2,547,049, Apr. 3.
Chemicals and fungicides. N. K. Sundholm. 2,547,723, Apr. 3.
Child's training chair. D. H. Owen. 2,547,408, Apr. 3.
Chlorination of hydrocarbons. M. Randall. 2,547,139, Apr. 3.
Chloro pteridine and preparing the same. J. H. Boothe. 2,547,520, Apr. 3.
Choke and nozzle, Combined carburetor. M. J. Kittler. 2,547,873, Apr. 3.
Cigarette. J. J. Henderson. 2,547,119, Apr. 3.
Circuit: *See*—
Electrical marking and scanning control circuit. Pulse absorbing circuit. Pulsing circuit.
Feed-back circuit. Saturable reactor arc prevention circuit.
Noise suppression circuit.
Circuit arrangement, Contrast expansion. H. A. Broos. 2,547,740, Apr. 3.
Circuit arrangement for counting pulses. P. J. Kraayeveld. 2,547,217, Apr. 3.
Circuit arrangement for tone control in low-frequency amplifier. H. A. Broos. 2,547,739, Apr. 3.
Circuit arrangement for transmitting a signaling voltage under control of an auxiliary voltage. J. L. H. Jonker and W. Six. 2,547,215, Apr. 3.
Circuit interrupter, Oil. R. E. Friedrich. 2,547,202, Mar. 3.
Circuits, Electric fault alarm. B. B. Jacobsen. 2,547,011, Apr. 3.
Circuits, Electrical. M. D. Rubin. 2,547,890. Apr. 3.
Clasp, Necktie. G. A. Ingleby. 2,547,125, Apr. 3.
Cleaner: *See*—
Barn cleaner.
Cleaning of metals, Composition and process for electrolytic. H. G. Webster. 2,547,510, Apr. 3.
Clip: *See*—
Article holding clip.
Clip for display racks, Spring. F. F. Melvin and J. O. Stevens. 2,547,531, Apr. 3.
Clock, Second-marking. P. Hussey. 2,547,468, Apr. 3.
Closure for paper containers. D. Kirk. 2,547,871, Apr. 3.
Closure for window openings and the like. G. H. and J. R. Meadows. 2,547,591, Apr. 3.
Cloth rack. H. Booth. 2,547,368, Apr. 3.
Clothesline, Automatic. S. W. Ray. 2,547,777, Apr. 3.
Clothespin. J. B. Tegarty. 2,547,349, Apr. 3.
Clothespin, Wire. R. N. Heston. 2,547,122, Apr. 3.
Clutch: *See*—
Electromagnet overload release clutch.
Clutch disk. R. C. Zeidler. 2,547,427, Apr. 3.
Coaster brake. W. L. Hall. 2,547,864, Apr. 3.
Coated mineral granule, making same, and roofing material surfaced therewith. G. R. Pole. 2,547,042, Apr. 3.
Coated welding rod. W. Andrews. 2,547,432, Apr. 3.
Coating apparatus, Spray. J. A. Paasche. 2,547,884, Apr. 3.
Coaxial line coupling. L. D. Smullin. 2,547,054, Apr. 3.
Coil for a tuned circuit having a constant selectivity, Slide core. T. A. Spoor. 2,547,793, Apr. 3.
Coil for the ice-making section of refrigerators, Auxiliary evaporating. J. Plumeri. 2,547,595, Apr. 3.
Coin carrier. C. Priesmeyer. 2,547,410, Apr. 3.
Coin handling machine. A. R. Buchholz, W. H. Sprenger, and O. E. Hoffman. 2,547,563, Apr. 3.
Cold process for producing an improved soap composition. R. W. Peterson. 2,547,280, Apr. 3.
Collapsible pallet type container. B. C. Colt, Jr. 2,547,624, Apr. 3.
Collars to prevent broken axle shaft fragments entering axle center section. L. R. Buckendale. 2,546,969, Apr. 3.

Collection and dispensing means for coins or the like. R. S. Wallach. 2,547,102, Apr. 3.
Color formers of the benzimidazole class, Yellow diffusion-fast. W. C. Craig. 2,547,307, Apr. 3.
Combustor with sectional housing and liner. B. O. Buckland. 2,547,619, Apr. 3.
Communication apparatus. R. H. Campbell. 2,547,855, Apr. 3.
Communication channel identification in telephone or like systems. G. F. Bellairs and J. C. Ireland. 2,547,617, Apr. 3.
Communication system. E. M. Deloraine and L. Goldstein. 2,546,984, Apr. 3.
Comparator for regulating timepiece balance wheels. J. M. Hourigan. 2,547,705, Apr. 3.
Compressor, Liquid seal. J. T. and C. M. Cawley. 2,547,111, Apr. 3.
Concrete mixer. R. M. Selby. 2,547,500, Apr. 3.
Concrete structure and making same. R. E. Davis. 2,546,982, Apr. 3.
Condenser: *See*—
Electrolytic condenser.
Condenser assembly. J. R. Mazzola. 2,547,085, Apr. 3.
Condensing stereoscopic lens. S. E. Garutso. 2,546,995, Apr. 3.
Conductance meter. W. A. McCool. 2,547,650, Apr. 3.
Conductor pipe hanger. O. B. Coons and H. P. Dukes. 2,547,813, Apr. 3.
Conduit for electrical connections and outlet terminals. R. C. Glover. 2,547,385, Apr. 3.
Connector: *See*—
Electrical connector. Pipe connector.
Embossed sheet metal service connector. Spring clamp connector.
Connections and circuits and their manufacture, Electrical. J. A. Leno. 2,547,022, Apr. 3.
Connector bar. W. R. Scherer. 2,547,413, Apr. 3.
Contact device. M. F. and R. C. Jones. 2,547,214, Apr. 3.
Container: *See*—
Collapsible pallet type container. Insecticide container.
Key container.
Container. E. del Buttero. 2,546,983, Apr. 3.
Container. J. H. Herrick and J. P. Pancoast. 2,547,005, Apr. 3.
Container. G. D. Jansen. 2,547,395, Apr. 3.
Container. W. E. Taylor and H. W. Schmidt. 2,547,059, Apr. 3.
Container and pallet. L. J. Daniels. 2,547,112, Apr. 3.
Container and shielding therefor. E. H. Benson. 2,547,806, Apr. 3.
Container and straw, Combined. R. W. Berry. 2,547,362, Apr. 3.
Container combined with a flashlight, Key. F. M. Duncan. 2,547,816, Apr. 3.
Container for condiments and the like and sifter cap therefor. A. B. McGinnis. 2,547,590, Apr. 3.
Container for paper napkins. R. B. Stevens. 2,547,892, Apr. 3.
Control for helicopter rotors, Automatic. E. A. Stalker. 2,547,721, Apr. 3.
Control mechanism for motor vehicles. P. C. Morris. 2,547,593, Apr. 3.
Controller for hydrodynamic machines. J. K. Douglas. 2,547,154, Apr. 3.
Controlling the resistance of oxidic semiconductors. F. J. Morin. 2,547,406, Apr. 3.
Conversion of hydrocarbons in the presence of a solid particulate contact material, utilizing a molten metal as the conveying medium. C. G. Kirkbride. 2,547,015, Apr. 3.
Conveyer. E. Lehmann. 2,547,476, Apr. 3.
Conveyer. H. Pomerantz. 2,547,885, Apr. 3.
Conveyer vibrator. H. W. Hapman. 2,547,462, Apr. 3.
Cooling magnetic cores of electrical apparatus. J. T. Sabol. 2,547,045, Apr. 3.
Cooling system for liquid cooled internal-combustion engines. L. P. Traxel. 2,547,422, Apr. 3.
Copolymerization of vinylidene halides with certain ethylenically unsaturated compounds. W. L. J. de Nie. 2,547,815, Apr. 3.
Copper base alloy. J. F. Klement. 2,547,129, Apr. 3.
Core for electromagnetic apparatus, Fluid cooled. J. B. Wadhams. 2,547,065, Apr. 3.
Core reactor, Saturable. B. D. Bedford. 2,547,615, Apr. 3.
Corrugating sheet material and forming laminated cellular units thereof, Method and apparatus for. L. S. Meyer and E. K. Ritterhoff. 2,547,880, Apr. 3.
Coupling: *See*—
Automatic trailer coupling. Coaxial line coupling.
Coupling arrangement between an electron discharge device and cavity resonators. W. R. Rambo. 2,547,411, Apr. 3.
Coupling pin. R. E. and E. J. Kellogg. 2,547,326, Apr. 3.
Coupling seal, Flanged. A. Henderson. 2,547,321, Apr. 3.
Cover: *See*—
Wheel cover.
Cover for flexible shaft couplings. A. T. Barager. 2,547,734, Apr. 3.
Crane, Rotary. H. B. Lee. 2,547,398, Apr. 3.
Crankshaft bearing assembly. R. M. Heintz, J. W. Frazier, and L. J. Koch. 2,547,465, Apr. 3.
Creel. E. K. Bauer. 2,547,072, Apr. 3.
Crusher with traveling breaker plates, Reversible. L. A. Rhodes. 2,547,888, Apr. 3.
Crutch, Adjustable. K. M. Hilgeman. 2,547,265, Apr. 3.
Cultivator, Peanut. R. D. Hennigan. 2,547,753, Apr. 3.
Current storage device utilizing semiconductor. F. Gray. 2,547,386, Apr. 3.
Current telephony, Multiplex carrier. A. Fromageot, M. A. Lalande, and R. Redard. 2,546,994, Apr. 3.
Curtain rod bracket. F. L. Stutz. 2,547,893, Apr. 3.
Cutoff device for tubing. A. E. Chernack. 2,547,375, Apr. 3.
Cutoff mechanism. J. H. Gibbons. 2,537,157, Apr. 3.
Cutter: *See*—
Strip cutter. Tap root cutter.
Cutting and embossing machine, Biscuit and like. J. Hart. 2,547,118, Apr. 3.
Cutting ferrous metal bar stock, Method and apparatus for. L. W. Young. 2,547,191, Apr. 3.
Cutting machine for shoulder pads, Power-driven. L. Alfandari. 2,547,242, Apr. 3.
Cylinder for indexing ratchet stops and the like, Air. A. M. Loungway. 2,547,029, Apr. 3.
Cylinder head. R. E. Lamberton. 2,547,914, Apr. 3.
Cylinder structure, Master. A. B. Seppmann. 2,547,233, Apr. 3.
Cylinders, particularly for grain, Vacuum drying. E. G. Huzenlaub and F. H. Rogers. 2,547,393, Apr. 3.
Damping vertical modulations of phonograph recorders. L. Thompson. 2,547,725, Apr. 3.
Decade counter, High-speed binary. C. A. Bergfors. 2,547,434, Apr. 3.
Deck pump. A. C. Anderson. 2,547,431, Apr. 3.
Decoy, Animated. J. O. Sabin. 2,547,286, Apr. 3.
Defroster for automobile heaters, Windshield. E. L. Mayo and A. G. Getz. 2,547,404, Apr. 3.
Detector, Long wave length infrared radiation. E. S. Rittner. 2,547,173, Apr. 3.
Developing rack. A. Anderkin. 2,547,245, Apr. 3.
Device for converting rotary motion into reciprocating motion. E. O. Olsson. 2,547,594, Apr. 3.
Device for dispensing individually sealed articles or commodities. W. J. Renyck. 2,547,779, Apr. 3.
Device for gauging the eccentricity and diameter of an annular part. W. F. Rosser. 2,547,719, Apr. 3.
Device for handling burial vaults. H. C. Dreischerf. 2,547,627, Apr. 3.
Device for stabilizing the frequency of an ultra short wave transmitter. P. Guenard. 2,547,159, Apr. 3.
Device for starting races. B. B. Loveless, R. J. Alband, and B. S. Sample. 2,547,332, Apr. 3.
Device for stripping annular elastic rubber articles from a core. H. Treckman. 2,547,894, Apr. 3.
Device for use in bathing infants. A. J. Burke. 2,547,564, Apr. 3.
Dewaxing oil solution, Method and centrifuge for. G. H. Andersson. 2,547,612, Apr. 3.
Diaphragm for reheat elastic fluid turbines. C. D. Wilson. 2,547,300, Apr. 3.
Diazotypes containing 6-hydroxy-1,3-benzoxathiolone-2 and its derivatives. W. H. von Glahn and L. N. Stanley. 2,547,843, Apr. 3.
Die: *See*—
Laminated die.
Digger having vine cutter, Potato. A. E. Young. 2,547,355, Apr. 3.
Diminishing background noise. A. Laffon y Soto and E. de Selgas y Marin. 2,547,271, Apr. 3.
Dipper, Ice cream. R. T. McCrum. 2,547,651, Apr. 3.
Direct-current generator. V. Klima. 2,547,582, Apr. 3.
Direction finder system. H. G. Busignies. 2,546,970, Apr. 3.
Direction finding system. L. L. Libby and E. Cole. 2,547,028, Apr. 3.
Disazo dyestuffs. P. Hindermann. 2,547,912, Apr. 3.
Disk tiller, Rotary. E. P. Curry. 2,547,444, Apr. 3.
Dispenser: *See*—
Tape dispenser.
Dispenser for napkins or similar articles. A. E. Cofrin and S. N. Hope. 2,547,856, Apr. 3.
Dispensing apparatus for carbonated beverages. E. S. Wegman and B. G. Copping. 2,547,423, Apr. 3.
Dispensing apparatus with recirculating means, Beverage. J. J. McDonald. 2,547,481, Apr. 3.
Dispensing mechanism, Tape. A. P. Krueger. 2,547,583, Apr. 3.
Display case. R. G. Annan. 2,547,244, Apr. 3.
Distillate sweetening process. T. B. Tom and J. H. Krause. 2,547,181, Apr. 3.
Distributor for dividing a flowing stream of material. S. A. Stone. 2,547,794, Apr. 3.
Distributor, Material. W. H. Judson. 2,547,868, Apr. 3.
Ditch grader. C. L. Wright. 2,547,680, Apr. 3.
Door: *See*—
Foot pedal operated hopper door. Overhead door.
Oven door. Water-cooled furnace door.
Door and mechanism for opening and closing the same. C. Potts. 2,547,488, Apr. 3.
Doorknob. R. C. Cerf, Jr. 2,547,439, Apr. 3.
Door latch. C. E. Anderson. 2,547,108, Apr. 3.
Door or the like, Furnace. R. B. Groetzinger. 2,547,204, Apr. 3.
Doorway for airfoil fuselages, Rear. V. J. Burnelli. 2,547,811, Apr. 3.

Double-throw clamping switch. A. S. Caswell. 2,547,153, Apr. 3.
Draft roller pressure control mechanism. G. F. Norcross. 2,547,485, Apr. 3.
Drill: *See*—
Operator-supported power drill.
Drill guide, Hip fracture. J. J. Ettinger. 2,547,571, Apr. 3.
Drill point gauge. A. G. Rabuck. 2,547,284, Apr. 3.
Drilling apparatus. H. H. Vanderzee. 2,547,609, Apr. 3.
Drivehead grounding rod. G. C. Salmons. 2,547,176, Apr. 3.
Drive means for reciprocable type bars. I. Ghertman. 2,547,457, Apr. 3.
Drive, Multiple-speed. C. E. Swenson. 2,547,236, Apr. 3.
Drive shaft and brake assembly for vehicle drive wheels. L. Jacobi. 2,547,268, Apr. 3.
Drive shaft arrangement for driving steering wheels. R. Bouchard. 2,547,435, Apr. 3.
Driving mechanism for bicycles, Front-wheel. T. Saxer. 2,547,600, Apr. 3.
Drum, Heating. H. J. McDermott. 2,547,086, Apr. 3.
Dry film gauge. M. R. Euverard and P. N. Gardiner. 2,546,990, Apr. 3.
Drying apparatus. G. Tremblay. 2,547,238, Apr. 3.
Drying method and machine. R. C. Parkes and D. H. Colker. 2,547,833, Apr. 3.
Duplexing system, Signal wave. D. H. Ring. 2,547,539, Apr. 3.
Duster and blower, Combined. V. A. Potholm. 2,547,718, Apr. 3.
Dynamoelectric machine, Hysteresis. H. C. Roters. 2,547,599, Apr. 3.
Easel. G. W. Turnbull. 2,547,182, Apr. 3.
Easy eel holder. R. G. Morris. 2,547,592, Apr. 3.
Eccentric adjusting mechanism. G. O. Conner. 2,547,197, Apr. 3.
Educational construction unit. J. A. Cozzone. 2,546,979, Apr. 3.
Educational device. H. A. Engelhardt. 2,547,259, Apr. 3.
Ejector mechanism for heading and like machines. D. G. Broscomb. 2,547,304, Apr. 3.
Electric annealing furnace. J. J. Stordy. 2,547,795, Apr. 3.
Electric induction apparatus. M. O. Marsh. 2,547,649, Apr. 3.
Electric pulse generator. G. H. Haugh. 2,547,008, Apr. 3.
Electric switch. W. Sharp. 2,547,604, Apr. 3.
Electric signal switch. J. Dezzani. 2,547,199, Apr. 3.
Electric terminal structure. R. J. Sutton. 2,547,058, Apr. 3.
Electrical alarm switch. J. R. Brown. 2,547,742, Apr. 3.
Electrical apparatus. R. Weissman. 2,547,511, Apr. 3.
Electrical connector. F. W. Mebold. 2,547,225, Apr. 3.
Electrical distribution system. W. W. Edson. 2,547,452, Apr. 3.
Electrical marking and scanning control circuit. A. S. Bishop. 2,547,363, Apr. 3.
Electrode assembly for cathode-ray tubes. M. Silverman. 2,547,415, Apr. 3.
Electrode, Medical. E. A. Plar. 2,547,041, Apr. 3.
Electrolytic condenser. J. B. Brennan. 2,547,371, Apr. 3.
Electromagnet overload release clutch. L. Ochtman. 2,547,137, Apr. 3.
Electromagnetic relay. S. H. Towner and P. A. Childs. 2,547,062, Apr. 3.
Electromagnetic switch. C. E. Hastings. 2,547,003, Apr. 3.
Electromagnetic transducer head. D. E. Wiegand. 2,547,297, Apr. 3.
Electromagnetic valve. C. A. Smith and J. A. Wasser. 2,547,098, Apr. 3.
Electron discharge device and assembly. T. H. Clark, A. G. Clavier, and E. Rostas. 2,546,976, Apr. 3.
Electron discharge device, Grid-controlled. D. G. Burnside. 2,547,372, Apr. 3.
Electron discharge device of the magnetron type. J. L. Barttro. 2,547,848, Apr. 3.
Electronic inverter. G. B. Kidd. 2,547,162, Apr. 3.
Electronic pulse generator. W. F. Eicher. 2,547,523, Apr. 3.
Electroosmotic isolation of streptomycin. J. D. Sartakoff. 2,547,231, Apr. 3.
Embossed sheet metal service connector. J. Rogoff. 2,547,663, Apr. 3.
Engine: *See*—
Multicircuit quarter wave pulse jet engine.
Piston engine.
Rotary engine.
Engine and supercharger, Combined internal-combustion. A. S. King. 2,547,327, Apr. 3.
Engine for model airplanes, Jet propulsion. J. B. Robins. 2,547,095, Apr. 3.
Engine starter, Aircraft. T. Jackson. 2,547,010, Apr. 3.
Engine with movable wave reflecting means, Pulse jet standing wave. A. G. Bodine, Jr. 2,546,965, Apr. 3.
Entrainment separator. J. W. Packie and C. O. Rhys, Jr. 2,547,769, Apr. 3.
Exhaust manifold device. C. R. Flint. 2,547,454, Apr. 3.
Expansion joint seal. G. B. Cook. 2,547,746, Apr. 3.
Extensible tire carrier. C. L. Lundgren. 2,547,083, Apr. 3.
Extraction apparatus, Countercurrent. J. D. Hamacher and R. W. Barns. 2,547,577, Apr. 3.
Extraction of acidic impurities and moisture from gases. E. R. McCartney. 2,547,278, Apr. 3.
Extruding machine. A. H. Braeseke. 2,547,151, Apr. 3.
Extrusion device. F. J. Churnell and K. E. Smith. 2,546,975, Apr. 3.
Farm gate. F. E. Speed. 2,547,792, Apr. 3.
Fastener: *See*—
Sliding window fastener.
Fastener for food storage containers, Closure. J. A. Verheyden and F. Haloski. 2,547,183, Apr. 3.
Fastener-inserting mechanism. A. C. Kulik. 2,547,019, Apr. 3.
Feed-back circuit. T. A. Rich and J. E. Bigelow. 2,547,662, Apr. 3.
Festoon, Adjustable. C. Gallo. 2,547,697, Apr. 3.
File holder. W. M. Murdach and H. Harrison. 2,547,484, Apr. 3.
Filter: *See*—
Lubricant filter.
Milk filter.
Wave filter.
Filter apparatus. E. E. Hallander. 2,547,205, Apr. 3.
Fire-extinguishing apparatus. M. G. Marshall. 2,547,334, Apr. 3.
Fire extinguishing medium discharge method and apparatus. J. E. Kucher. 2,547,018, Apr. 3.
Fire-resistant article, making and impregnant therefor. M. J. Sostmann and I. L. Phillips. 2,547,671, Apr. 3.
Firing device, Explosive rivet. V. M. Bunts and H. C. Holbert. 2,547,437, Apr. 3.
Firing porcelain. L. Beaudet. 2,547,149, Apr. 3.
Fish lure. C. S. Helman and A. R. Blunk. 2,547,264, Apr. 3.
Fish plug. G. H. Patterson. 2,547,279, Apr. 3.
Fish plug. E. E. White. 2,547,103, Apr. 3.
Fish skinner, Hand. R. T. Townsend. 2,547,237, Apr. 3.
Fish stringer. E. T. May. 2,547,335, Apr. 3.
Fishing float, Luminous. J. H. Dean. 2,547,308, Apr. 3.
Fishing lure. R. H. Young and I. R. Ferguson. 2,547,240, Apr. 3.
Fishing reel. A. B. Lauterbach. 2,547,330, Apr. 3.
Fishing reel. C. E. Plouff. 2,547,282, Apr. 3.
Fishing rod guide. A. M. Sucksdorf. 2,547,507, Apr. 3.
Flexible loop jar cap wrench. R. R. Freer. 2,541,748, Apr. 3.
Float gate. C. M. Black. 2,546,963, Apr. 3.
Floating fastener receptacle. W. Dzus. 2,547,155, Apr. 3.
Floating toolholder. W. H. Eichelman. 2,547,522, Apr. 3.
Flowmeter with pistons. H. Wydler. 2,547,301, Apr. 3.
Fluid conducting electrically insulated system. H. L. and R. U. Clark. 2,547,440, Apr. 3.
Fluid for use in contact with the human eyeball. B. R. Minnis and J. H. Conover. 2,547,653, Apr. 3.
Fluid seal. P. I. Cole. 2,547,257, Apr. 3.
Fluidized catalytic cracking system with rotating disk slide valve. E. V. Bergstrom. 2,547,900, Apr. 3.
Flushing mechanism, including a backflow preventer, Waste. A. J. Kreiner. 2,547,708, Apr. 3.
Folding gaff hook. W. C. Le Febvre and A. Mihm. 2,547,273, Apr. 3.
Follow rest for lathes. E. N. Lichtenberg. 2,547,529, Apr. 3.
Foot pedal operated hopper door. R. E. Oberst. 2,547,089, Apr. 3.
Formation of a surface easily wettable by mercury. C. E. Pollard, Jr. 2,547,536, Apr. 3.
Forming and drawing press. E. B. Lent. 2,547,331, Apr. 3.
Fountain applicator having sliding sleeve work-operated valve means. H. Murray. 2,547,881, Apr. 3.
Fowl eviscerating tool. A. J. and D. D. Totl. 2,547,608, Apr. 3.
Frame: *See*—
Railway truck frame.
Friction grip for flexible lines. W. M. Husson. 2,547,469, Apr. 3.
Fuel. R. H. Churchill. 2,547,691, Apr. 3.
Fuel burner. D. C. Breault. 2,546,967, Apr. 3.
Fuel injector mechanism. G. M. Rogers. 2,547,174, Apr. 3.
Fuel pump mounting. A. C. Korte. 2,547,761, Apr. 3.
Fuel system, Airplane. L. L. Aspelin. 2,547,246, Apr. 3.
Full-floating holder. M. L. Benjamin and F. E. Winnen. 2,547,518, Apr. 3.
Fumigant composition of activated silica gel and dihaloalkene. J. E. Johnson, Jr., and D. R. Mussell. 2,547,822, Apr. 3.
Functional derivatives of polyvinylic copolymers, Manufacture of. J. Bisch and X. Thiesse. 2,547,618, Apr. 3.
Furnace: *See*—
Electric annealing furnace. Metallic tube furnace.
Furane amino keto compounds. L. M. Long and N. D. Jenesel. 2,547,714, Apr. 3.
Furane amido ketone compounds. L. M. Long and N. D. Jenesel. 2,547,713, Apr. 3.
Furane compounds. L. M. Long and N. D. Jenesel. 2,547,712, Apr. 3.
Fuse. R. L. Graumann and W. J. Donahue, Jr. 2,546,999, Apr. 3.
Fuse and igniter. G. W. Hammar, G. A. Noddin, D. E. Rosen, and F. J. Trelease. 2,547,820, Apr. 3.
Fused dropout cutout. D. C. Hubbard. 2,547,160, Apr. 3.
Game apparatus, Pinball game-controlled racing. W. Lemke. 2,547,164, Apr. 3.

Gamma acetoxy-gamma, gamma dicarbalkoxybutyraldehydes and process. D. T. Warner and O. A. Moe. 2,546,958, Apr. 3.
Gamma nitro-gamma, gamma dicarbalkoxybutyraldehydes and process. O. A. Moe and D. T. Warner. 2,546,960, Apr. 3.
Garment hanger. M. M. Brock. 2,547,436, Apr. 3.
Garment hanger. N. E. Brooke. 2,547,561, Apr. 3.
Garment storage bag. J. Mehl. 2,547,530, Apr. 3.
Gas by-pass for storage tank gauging pipes. W. C. Sanders. 2,547,344, Apr. 3.
Gas turbine system. J. L. Ray. 2,547,093, Apr. 3.
Gate: *See*—
Farm gate.
Float gate.
Gauge: *See*—
Butt gauge.
Dry film gauge.
Drill point gauge.
Machinist's gauge.
Gauge for accurately locating a workpiece with respect to a keyway cutter or the like, Centering. W. Blesi. 2,547,683, Apr. 3.
Gauge for trial frames, Corneal sighting. D. T. Street. 2,547,348, Apr. 3.
Gauge head for small bores. E. M. Boat. 2,547,364, Apr. 3.
Gauge viewing device, Liquid level. H. O. Bailey. 2,547,731, Apr. 3.
Gauging device. A. F. Polk and J. H. Straw. 2,547,717, Apr. 3.
Gauging device, Lead and pitch. W. F. Aller. 2,547,681, Apr. 3.
Gear: *See*—
Reversing gear.
Gear adjusting device for motor vehicles, Steering. L. Salves. 2,547,784, Apr. 3.
Gear for large gear ratios, Transmission. B. Mladek. 2,547,165, Apr. 3.
Gearing for driving propellers, Variable-speed. F. J. Johnson. 2,547,161, Apr. 3.
Generator: *See*—
Direct-current generator.
Electric pulse generator.
Electronic pulse generator.
Smoke generator.
Square-wave generator.
Generator and operating same, Equipressure vapor. E. Mercier. 2,547,135, Apr. 3.
Gentisic acid and its alkali metal and ammonium salts. F. B. Zienty and D. J. Harvey. 2,547,241, Apr. 3.
Getter structure for electric discharge tubes. E. G. Dorgelo. 2,547,200, Apr. 3.
Gift package. N. M. T. Updike. 2,547,676, Apr. 3.
Glassware transferring mechanism. O. Smith and O. C. Dudley. 2,547,791, Apr. 3.
Glove. S. Griffin. 2,547,388, Apr. 3.
Grain stripping mechanism. C. S. Gray. 2,547,749, Apr. 3.
Grinding device. W. Crafton and J. G. Young. 2,547,442, Apr. 3.
Grinding mechanism, Saw. S. R. Battocchi. 2,547,553, Apr. 3.
Grid for ice trays. R. L. Hallock. 2,547,389, Apr. 3.
Grinding device, Centerless. F. J. Stevens. 2,547,290, Apr. 3.
Grooving tool. G. H. Leonard. 2,547,915, Apr. 3.
Guard for coasting sleds, Safety. M. A. Holbrook. 2,547,209, Apr. 3.
Guide for cutting torches, Radius. H. S. Hedley. 2,547,320, Apr. 3.
Guiding means for movement of solid materials. C. H. Prescott, Jr. 2,547,409, Apr. 3.
Gun for dispensing plastic material. C. A. Strohmeier. 2,547,179, Apr. 3.
Gyro, Attitude. O. E. Esval, W. Wrigley, and R. Haskins, Jr. 2,546,989, Apr. 3.
Hair retaining device. W. Weeks. 2,547,295, Apr. 3.
Hammer, Pneumatic. W. E. MacGuire. 2,547,224, Apr. 3.
Handgrip for carrying parcels, packages, bundles, etc. E. K. O'Loughlin. 2,547,343, Apr. 3.
Handloom. V. C. Bennett. 2,547,250, Apr. 3.
Handle: *See*—
Casting rod handle.
Handle for fountain brush having piston means for filling and dispensing, Reservoir. L. F. Perwas. 2,547,834, Apr. 3.
Handle for lawn trimmers, Reversible auxiliary. A. J. Eber. 2,547,451, Apr. 3.
Hanger: *See*—
Conductor pipe hanger.
Garment hanger.
Hanger bracket. U. S. Logan. 2,547,222, Apr. 3.
Harvester having topping means, Root crop. D. B. Marshall. 2,547,878, Apr. 3.
Heat control, Semiautomatic. T. K. Lewis. 2,547,477, Apr. 3.
Heat exchanger. C. S. Simpelaar. 2,547,668, Apr. 3.
Heater: *See*—
Hot-air space heater.
Liquid conductor heater.
Heating apparatus, High-frequency induction. E. S. Freshwater, R. C. Muth, and E. W. Cunningham. 2,547,635, Apr. 3.
Heating device, Electric. R. Lucas and A. J. Reedy. 2,547,402, Apr. 3.
Heel, Combination leather and rubber. M. Leopaldi. 2,547,711, Apr. 3.
Heel, Walking. J. J. Ettinger. 2,547,570, Apr. 3.
Helicopter with automatic antitorque vane. A. A. L. Bruel. 2,547,255, Apr. 3.
Hernia pad. L. Zaras. 2,547,727, Apr. 3.
High-frequency mixer. W. W. Salisbury. 2,547,412, Apr. 3.
Hinge construction. H. W. Whitmore. 2,547,550, Apr. 3.
Hitch and plow trip, Combination safety. E. A. Kniep. 2,547,130, Apr. 3.
Hoe, Folding rotary. J. M. Markel. 2,547,479, Apr. 3.
Holder: *See*—
Easy eel holder.
File holder.
Full-floating holder.
Price tag holder.
Ticket holder.
Holder and brush wiper, Paint can. A. G. Sawyer and J. W. Burgess. 2,547,096, Apr. 3.
Holder and dispenser for rolled flexible strands. J. H. Bowers. 2,547,253, Apr. 3.
Holder and stand, Dish. L. A. Wickland. 2,547,844, Apr. 3.
Holder for a pack of cigarettes. V. Capano. 2,547,620, Apr. 3.
Holder with perforating discharge and vent tubes, Can. E. N. Genovese. 2,547,311, Apr. 3.
Hook: *See*—
Folding gaff hook.
Hose reel. H. E. Kirschner. 2,547,826, Apr. 3.
Hot-air space heater. C. Demuth. 2,547,448, Apr. 3.
Hydraulic hold-down. F. E. Munschauer. 2,547,656, Apr. 3.
Hydraulic pump. R. F. Horton. 2,547,645, Apr. 3.
Hydrocarbon conversion processes with acid-treated clay catalysts. G. A. Mills. 2,547,036, Apr. 3.
Hydrogen purification method. E. D. Klema. 2,547,874, Apr. 3.
Hydrogenation of unsaturated conjunct polymer hydrocarbons, Partial. C. B. Linn. 2,547,274, Apr. 3.
Identification system, Telephone line. G. T. Baker. 2,547,804, Apr. 3.
Illuminating and pouring device for bottles. E. P. du Pont. 2,547,450, Apr. 3.
Image storage tube. B. C. Gardner. 2,547,638, Apr. 3.
Imido-esters of diels-alder adducts and producing same. S. P. Rowland. 2,547,493, Apr. 3.
Imido-esters production, Aromatic. S. P. Rowland. 2,547,542, Apr. 3.
Impeller, Single suction. L. R. Seinfeld. 2,547,786, Apr. 3.
Implement, Contraoscillating eccentric skinning. B. A. McLean. 2,547,134, Apr. 3.
Implement for setting jewel pins. J. E. De Venne. 2,547,198, Apr. 3.
Implement, Massaging. M. A. Amer. 2,547,243, Apr. 3.
Imprinting apparatus for book matches, Metallic ribbon. R. G. Schmitt. 2,547,602, Apr. 3.
Inclinometer, Photoelectric, liquid-level. E. F. Flint. 2,547,310, Apr. 3.
Increasing the melting point of polymerized rosin. K. C. Laughlin. 2,547,219, Apr. 3.
Increasing the melting point of polymerized rosin. A. L. Rummelsburg. 2,547,230, Apr. 3.
Index strip and making the same. E. J. Way. 2,547,068, Apr. 3.
Indexing device. D. H. Mills. 2,547,533, Apr. 3.
Indicating system, Altitude. S. H. M. Dodington. 2,546,985, Apr. 3.
Indicator: *See*—
Internal screw-thread concentricity indicator.
Liquid level indicator.
Typewriter carriage position indicator.
Injection device and ampoule. J. H. Smoof. 2,547,099, Apr. 3.
Ink fountain interrupter for rotary printing machines. E. J. Janke. 2,547,470, Apr. 3.
Inks and making, Quick-setting. R. H. Wharton. 2,547,069, Apr. 3.
Inkwell, Dip. R. Spilman. 2,547,100, Apr. 3.
Inner spring assembly. C. J. Elder. 2,547,904, Apr. 3.
Insecticide container. P. J. Grant. 2,547,314, Apr. 3.
Insertion of tap straps in capacitors, Method and apparatus for. A. L. Hogue, E. A. Raney, J. A. Young, and L. R. Runaldue. 2,547,644, Apr. 3.
Instrument, Dividing and scaling. M. S. Cade and J. E. McLaughlin. 2,547,745, Apr. 3.
Instrument for treating the male urethra. W. B. Keeling. 2,547,758, Apr. 3.
Instrument, Surgical sawing. J. D. Karle. 2,547,707, Apr. 3.
Instrument with polarized core, Expanded scale direct current measuring. R. M. Rowell. 2,547,665, Apr. 3.
Intercommunication apparatus. R. H. Campbell. 2,547,854, Apr. 3.
Internal screw-thread concentricity indicator. A. R. Prais. 2,547,774, Apr. 3.
Iron: *See*—
Steam generating electric iron.
Isolation of enzymes from aqueous solutions with lignin and gelatin and product obtained thereby. R. T. Alba. 2,547,429, Apr. 3.
Isolation of hyodesoxycholic acid. E. B. Trickey. 2,547,726, Apr. 3.

Isolation of penicillin. L. Goldman. 2,547,640, Apr. 3.
Jack: *See*—
Vehicle bumper jack. Wheel-lifting jack.
Joint: *See*—
Swivel joint.
Jointed bracket. W. A. Mendelsohn. 2,547,532, Apr. 3.
Journal bearing. J. R. Belknap. 2,547,555, Apr. 3.
Key container. G. E. Gross. 2,547,524, Apr. 3.
Key detachment device. J. Mullan. 2,547,340, Apr. 3.
Kitchen table. O. G. Reese. 2,547,661, Apr. 3.
Knockdown fruit box. J. Spanjer. 2,547,672, Apr. 3.
Laminated die. R. G. Nill and F. J. Patterson. 2,547,168, Apr. 3.
Lamp electrode, Fluorescent. G. W. Kellholtz and C. W. Jerome. 2,547,869, Apr. 3.
Latch: *See*—
Door latch.
Latch and switch, Safety. W. R. Du Bois. 2,547,076, Apr. 3.
Latch set, Nonlocking doorknob. R. C. Cerf, Jr. 2,547,256, Apr. 3.
Latex deposited article. L. P. Dosmann. 2,547,694, Apr. 3.
Lawn mower, Rotating cutting disk type. W. G. Bosworth. 2,547,738, Apr. 3.
Lawn mower with removable reel. P. L. Loewe and E. L. Boyce. 2,547,401, Apr. 3.
Lawn shaver. E. J. Koch and B. D. Albin. 2,547,328, Apr. 3.
Lens adjusting mechanism. J. B. Walker. 2,547,187, Apr. 3.
Lens, Deep focus. S. E. Garutso. 2,546,996, Apr. 3.
Lens, Dielectric. A. M. Skellett. 2,547,416, Apr. 3.
Lifting rig. L. D. Smith, C. R. Christianson, R. A. Stearn, and H. H. Hunt. 2,547,502, Apr. 3.
Lighting apparatus, Adjustable photographic. T. Kalsh and S. Saks. 2,547,126, Apr. 3.
Liquid conductor heater. M. W. Hanks. 2,547,865, Apr. 3.
Liquid level indicator. R. C. Hilliard. 2,547,526, Apr. 3.
Liquid polysiloxanes. D. F. Wilcock and D. T. Hurd. 2,547,678, Apr. 3.
Load moving equipment, Portable. J. F. Pittman. 2,547,773, Apr. 3.
Loader, Snow. F. C. Hasskamp. 2,547,752, Apr. 3.
Lock: *See*—
Rope lock. Telephone handset lock.
Lock for cabinets. J. H. Page. 2,547,486, Apr. 3.
Lock mechanism, Door. E. I. Stulpin and W. R. Hajdyla. 2,547,546, Apr. 3.
Lock mechanism for insulated filing cabinets. C. W. Wikman. 2,547,513, Apr. 3.
Locking means, Register. D. S. Willson. 2,547,741, Apr. 3.
Locomotive combustion control. F. D. Mosher. 2,547,339, Apr. 3.
Locomotive, Mine. A. L. Lee. 2,547,710, Apr. 3.
Loom: *See*—
Hand loom.
Loop control system. H. S. Fegely. 2,547,201, Apr. 3.
Lubricant filter. W. S. Cook. 2,547,857, Apr. 3.
Machine for depositing nuts on candy bars. L. H. Zeun. 2,547,516, Apr. 3.
Machine for sizing vegetables. P. G. Klem. 2,547,473, Apr. 3.
Machine for weaving loops into the fabric during the formation thereof. B. Kahn. 2,547,824, Apr. 3.
Machine tool. P. A. Newman. 2,547,832, Apr. 3.
Machinist's gauge. L. J. Ellis. 2,547,114, Apr. 3.
Magazine. J. B. Walker. 2,547,186, Apr. 3.
Magnesium primary cell. A. B. Fry, R. C. Kirk, and P. F. George. 2,547,907, Apr. 3.
Magnet wire, Producing insulated. H. L. Saums, J. H. Vail, and H. W. Sturgis. 2,547,047, Apr. 3.
Magnetic core. E. D. Treanor. 2,547,675, Apr. 3.
Magnetic head, Universal. D. L. Blaney. 2,547,737, Apr. 3.
Magnetron apparatus for frequency controllable systems, Grid controlled. P. H. Peters, Jr. 2,547,659, Apr. 3.
Magnetron, Multiresonator. P. T. Smith. 2,547,503, Apr. 3.
Making double chamfered nuts or the like. R. L. Wilcox. 2,547,801, Apr. 3.
Making plastic wheel trim, Method of and apparatus for. G. A. Lyon. 2,547,275, Apr. 3.
Making pregnane derivatives substituted in 21-position. A. Wettstein and C. Meystre. 2,547,917, Apr. 3.
Making reels. M. Gazet. 2,547,574, Apr. 3.
Manually operated reciprocating pump. W. T. Stephens. 2,547,055, Apr. 3.
Mat for display windows, Reflecting. P. A. Nirdlinger. 2,547,342, Apr. 3.
Material mixing apparatus. W. M. Madsen. 2,547,403, Apr. 3.
Mattress, Sectional. W. B. Smith. 2,547,840, Apr. 3.
Measuring apparatus, Temperature. A. J. Corson. 2,547,625, Apr. 3.
Measuring device for liquid containers. I. A. Burger. 2,547,744, Apr. 3.
Measuring system, Transmission line. O. M. Woodward Jr. 2,547,802, Apr. 3.
Measuring the optical properties of films. J. D. Strong. 2,547,545, Apr. 3.
Mechanism for securing an earth-working tool in a ground-engaging or ground-disengaging position. F. J. Lewis. 2,547,585, Apr. 3.
Mercury seal bushing. F. Ziherl. 2,547,428, Apr. 3.
Metallic tube furnace. A. J. Perle. 2,547,040, Apr. 3.
Meter: *See*—
Conductance meter. Parking meter.
Mica, Grinding. W. T. McDaniel, Jr. and J. R. Le Grand. 2,547,336, Apr. 3.
Milk filter. J. E. Torrey and L. Kasson. 2,547,797, Apr. 3.
Mining machine control valve. A. L. Lee. 2,547,646, Apr. 3.
Mining machine cutter bit. P. L. Johnson. 2,547,325, Apr. 3.
Mixer: *See*—
Concrete mixer. Radio-frequency mixer.
High-frequency mixer.
Mixer for constructional aggregates and the like. C. and B. G. Siebring. 2,547,787, Apr. 3.
Mixing apparatus. E. E. Pouré. 2,547,092, Apr. 3.
Mixture of polychloroprene, vinylidene chloride-acrylonitrile copolymer, and butadiene-acrylonitrile copolymer. R. J. Signer and K. E. Beal. 2,547,605, Apr. 3.
Moistener for gummed tape dispensers. T. H. Krueger. 2,547,584, Apr. 3.
Mold filling mechanism for grid plate casting machines. A. D. Lund. 2,547,082, Apr. 3.
Moth-repellent cake and a container therefor. D. Brody. 2,547,687–8, Apr. 3.
Motor: *See*—
Outboard motor.
Motor-driven actuator unit. V. A. Larsen. 2,547,475, Apr. 3.
Motor-generator gearing. E. P. Larsh. 2,547,709, Apr. 3.
Mount, Camera lens. E. Guinchard. 2,547,576, Apr. 3.
Mount for centrifuges and the like, Sanitary foot. J. E. Cook. 2,547,075, Apr. 3.
Mounting: *See*—
Fuel pump mounting. Window mounting.
Mounting for phonograph turntable drives, Idler wheel. E. V. Schneider. 2,547,666, Apr. 3.
Mounting for rearview mirrors. D. W. Barkley. 2,547,071, Apr. 3.
Mounting means for circuit breakers or the like. F. Farrell. 2,547,156, Apr. 3.
Multicircuit quarter wave pulse jet engine. A. G. Bodine, Jr. 2,546,966, Apr. 3.
Multiplane rotating movement for aerial amusement rides. J. E. Burg. 2,547,152, Apr. 3.
Multiple element radioactive ray recording. S. Krasnow and L. F. Curtiss. 2,547,218, Apr. 3.
Multiple gap velocity modulation tube. E. Touraton, R. Zwobada, and A.-M. Gratzmuller. 2,547,061, Apr. 3.
Multiplier, Controlled electron. J. C. Ferguson. 2,546,992, Apr. 3.
Multistage continuous reaction process for the production of vinyl acetate. R. R. Wenner. 2,547,916, Apr. 3.
Multitester, Electrical. T. L. Bartholomew. 2,547,248, Apr. 3.
Nitroaryl esters of 2-mercaptothiazines as herbicides. L. L. Baumgartner. 2,547,682, Apr. 3.
Noise suppression circuit. G. J. Eannarino. 2,546,987, Apr. 3.
Nozzle, Self-closing filling. R. L. Chadil and S. E. Hoffer. 2,547,690, Apr. 3.
Nut and pipe wrench. J. W. Oliver. 2,547,534, Apr. 3.
Obtaining foot impressions. E. E. Sugarman and J. Miller. 2,547,419, Apr. 3.
Oil and gas separator. S. A. Wilson. 2,547,190, Apr. 3.
Oil burner. J. D. Duncan. 2,547,842, Apr. 3.
Opener, Can. H. E. Craig. 2,547,258, Apr. 3.
Operator for removing rip covers from tanks, Pneumatically actuated. W. B. Elmer and R. R. Rimer. 2,547,309, Apr. 3.
Operator-supported power drill. E. P. Gould. 2,547,818, Apr. 3.
Organ coupler assembly, Electric. V. I. Zuck. 2,547,918, Apr. 3.
Oscillator, Vibrating reed controlled. M. R. Winkler. 2,547,027, Apr. 3.
Oscillograph. L. D. Smart. 2,547,289, Apr. 3.
Outboard motor. E. C. Kiekhaefer. 2,547,128, Apr. 3.
Oven door. C. L. Hardwick. 2,547,117, Apr. 3.
Overhead door. H. B. Clark. 2,547,196, Apr. 3.
Oxygen liberating compositions. C. B. Jackson. 2,547,267, Apr. 3.
Package handling apparatus. C. C. Aiken. 2,547,729, Apr. 3.
Package selector and loader. E. S. Tascher and G. Brungard. 2,547,292, Apr. 3.
Packet for lip make-up applicators. L. J. Bouchard, J. Hammersley, and J. Weiner. 2,547,252, Apr. 3.
Pad: *See*—
Hernia pad.
Pan, Foundry conveyer. P. C. Vogel. 2,547,293, Apr. 3.
Paraffin wax, Stabilized. M. A. Joanen. 2,547,396, Apr. 3.
Parking meter. L. F. Lawson and E. H. Twarowski. 2,547,272, Apr. 3.
Pasteurizing control system. C. F. Aldridge and C. L. Brown. 2,547,430, Apr. 3.

Pasting machine, Ticket. H. G. Tellfors. 2,547,508, Apr. 3.
Pastry products and preparation thereof. N. A. Hanau. 2,547,206, Apr. 3.
Pen cap. P. Adams. 2,547,803, Apr. 3.
Pen, Marking. S. N. Rosenthal. 2,547,541, Apr. 3.
Pest combating compositions. M. Geiger, E. Ciseri, and A. Ruperti. 2,547,261, Apr. 3.
Phase shifter, Variable. W. C. Morrison. 2,547,767, Apr. 3.
Phenoxyethyl quaternary ammonium salts. L. H. Bock and L. S. Luskin. 2,547,365, Apr. 3.
Phonograph pickup having a quadrilateral crystal with only one corner free to flex. C. D. O'Neal. 2,547,227, Apr. 3.
Photocomposing machine. T. Hommel. 2,547,527, Apr. 3.
Picker shaft supporting means. A. Millette. 2,547,652, Apr. 3.
Pickling of metals. R. O. Zerbe. 2,547,193, Apr. 3.
Pickup for pressure indicators, Capacitative. F. M. Reynst. 2,547,780, Apr. 3.
Pickup head using torsional mount for armatures. D. J. Baker. 2,547,361, Apr. 3.
Pin: *See*—
Coupling pin.
Pincushion and implement holder. A. Siren. 2,547,669, Apr. 3.
Pin setting machine. C. E. Goff. 2,547,203, Apr. 3.
Pipe-bending apparatus. C. L. Kelso. 2,547,870, Apr. 3.
Pipe connector. J. C. Richardson. 2,547,889, Apr. 3.
Pipe reducer, Soil. W. J. Collison. 2,547,567, Apr. 3.
Piston engine. A. Horowitz and M. Kooy. 2,547,163, Apr. 3.
Pit inspector. K. K. Harworth and R. P. Temby. 2,547,207, Apr. 3.
Plant for the continuous manufacture of isoprene. P. M. Bourdon. 2,547,684, Apr. 3.
Planting machine. W. H. Judson. 2,547,867, Apr. 3.
Plating a carbon or graphite part with chromium. R. S. Herwig. 2,547,120, Apr. 3.
Plow, Flange. F. J. Hauschild. 2,547,391, Apr. 3.
Plow hitch with traction control linkage. R. J. Burkholder. 2,547,438, Apr. 3.
Plug: *See*—
Fish plug.
Polishing machine for impeller wheels. H. C. Stieglitz. 2,547,056–7, Apr. 3.
Poly-ester–amides, Production of. J. G. N. Drewitt and G. F. Harding. 2,547,113, Apr. 3.
Polymeric imido-esters prepared from maleic adducts of fatty acid esters and bis-azolines. S. P. Rowland. 2,547,498, Apr. 3.
Polymerization of butadiene hydrocarbons in the presence of a trithiocarbonate. E. S. Blake and J. R. Durland. 2,547,150, Apr. 3.
Polymerized fatty oils. J. C. Konen and E. T. Clocker. 2,547,760, Apr. 3.
Pontoon structure and making the same, Hollow. H. E. Anthony. 2,547,146, Apr. 3.
Pottery machine. R. A. Maddock. 2,547,588, Apr. 3.
Power mower. W. T. Roberts. 2,547,540, Apr. 3.
Power plant, Gas turbine. D. C. Prince. 2,547,660, Apr. 3.
Power steering control for garden tractors or the like. R. D. Eagleseield, A. E. Curtiss, and C. W. Meggenhofen. 2,547,695, Apr. 3.
Power transmission and conveyer line. A. G. Kearns. 2,547,581, Apr. 3.
Power transmission system. T. H. Holmes. 2,547,578, Apr. 3.
Preparing a whipping agent from casein. E. B. Oberg, C. E. Nelson, and C. L. Hankinson. 2,547,136, Apr. 3.
Preselector, Secondary. F. P. Gohorel. 2,546,998, Apr. 3.
Press: *See*—
Forming and drawing press.
Pressure bomb for chemical and physical reactions. E. Buehler. 2,547,521, Apr. 3.
Pressure fitting for tube joints. D. P. Hynes and H. H. Moss. 2,547,394, Apr. 3.
Pressure mechanism for box forming machines. J. A. Zinn, Jr. 2,547,899, Apr. 3.
Pressure providing device. W. W. Paget. 2,547,169, Apr. 3.
Price tag holder. C. R. Walker. 2,547,239, Apr. 3.
Primary cell. A. B. Fry, R. C. Kirk, and P. F. George. 2,547,908, Apr. 3.
Primary cell. P. F. George, A. B. Fry, and R. C. Kirk. 2,547,909, Apr. 3.
Printing device with roller platen, Selective. H. Jetter. 2,547,472, Apr. 3.
Profiling machine. C. M. Skinner. 2,547,670, Apr. 3.
Propeller, Automatic pitch change. O. B. Morelock. 2,547,037, Apr. 3.
Provision for turning doughnuts in doughnut cookers. H. C. Rich. 2,547,490, Apr. 3.
Pulse absorbing circuit. M. J. Burger. 2,547,809, Apr. 3.
Pulse generating device. A. R. Havens. 2,547,004, Apr. 3.
Pulse multiplex system, Drop channel. D. D. Grieg. 2,547,001, Apr. 3.
Pulse-transmitting device. A. Mamor. 2,547,024, Apr. 3.
Pulsing circuit. L. M. Craft. 2,546,981, Apr. 3.
Pump: *See*—
Deck pump. Manually operated reciprocating pump.
Hydraulic pump.
Pump attachable to the neck of a container for viscous material, having an inlet conduit extending into said container, Dispensing. "D" F. Bachelier. 2,547,109, Apr. 3.
Puncturing and dispensing device for oil cans. J. E. Benigar. 2,547,556, Apr. 3.
Purification of chlorophthalic anhydrides. G. W. Steahly. 2,547,505, Apr. 3.
Purification of tetrachlorophthalic anhydrides. G. W. Steahly. 2,547,504, Apr. 3.
Purifying juice. O. Wiklund. 2,547,298, Apr. 3.
Pyridyl-3-carbinol, Manufacture of. R. Schläpfer. 2,547,048, Apr. 3.
Quenching. H. E. Somes, Jr. and O. Marquardt. 2,547,053, Apr. 3.
Rack: *See*—
Cloth rack. Developing rack.
Rack for automobile cowl panels. W. L. Olson. 2,547,883, Apr. 3.
Radio detection system for finding range and direction. A. D. Smith, Jr. and H. M. Guthman. 2,547,051, Apr. 3.
Radio direction finding system. R. F. Cleaver. 2,547,622, Apr. 3.
Radio-frequency mixer. R. H. Dicke. 2,547,378, Apr. 3.
Rail fastening device. A. R. Schulze. 2,547,839, Apr. 3.
Rail for Venetian blinds, Bottom. F. J. Burns. 2,547,305, Apr. 3.
Railway hatch cover and locking the same. J. A. Duffie and A. J. Doyle. 2,547,859, Apr. 3.
Railway track, Model. M. A. G. Loré. 2,547,586, Apr. 3.
Railway truck frame. R. R. Schubert. 2,547,720, Apr. 3.
Rain guard for automobile ventilating windows. J. G. Heyck. 2,547,911, Apr. 3.
Rain-water control for cisterns, Automatic. H. F. Fowler and E. E. Bishoff. 2,547,381, Apr. 3.
Ramp, Loading. A. S. Hamilton, Jr. 2,547,460, Apr. 3.
Range finder with light beam correction. M. Schwartz and W. Castedello. 2,547,232, Apr. 3.
Rapid production of frigid air, Method and apparatus for the. R. Hoffman. 2,547,756, Apr. 3.
Rapper for electrical precipitation apparatus. A. S. Gannone. 2,547,573, Apr. 3.
Ratio drive for nonuniform scale meters, Varying. A. J. Faustini. 2,547,634, Apr. 3.
Razor heads, Making. W. J. Whitton. 2,547,104, Apr. 3.
Razor, Safety. P. Hoberg. 2,547,704, Apr. 3.
Reaction products of bis-azolines and diels-alder adducts. S. P. Rowland. 2,547,497, Apr. 3.
Receptacle: *See*—
Floating fastener receptacle.
Record bearing medium and preparation. E. W. C. Russell. 2,547,838, Apr. 3.
Record perforating machine. G. F. Daly, G. V. A. Malmros, and D. W. Haney. 2,547,445, Apr. 3.
Recorder, Audience reaction. B. D. Cirlin. 2,547,074, Apr. 3.
Recorder checking device. A. E. Hague. 2,547,525, Apr. 3.
Recorder, Spot detector. W. D. Cockrell. 2,547,623, Apr. 3.
Recording and reproducing apparatus, Sound. F. G. Hehr. 2,547,464, Apr. 3.
Recording and reproducing sound head, Electromagnetic. D. J. Baker. 2,547,360, Apr. 3.
Recording machine, Remote controlled. R. Kobler. 2,547,216, Apr. 3.
Reduction of metallic oxides. H. A. Brassert and F. W. de Jahn. 2,547,685, Apr. 3.
Reduction of phosphoric acid corrosion in a polymerization process. J. D. Kemp and L. F. Brooke. 2,547,013, Apr. 3.
Reed structure, Vibrating. M. R. Winkler. 2,547,026, Apr. 3.
Reel: *See*—
Fishing reel. Hose reel.
Refining of tall oil soap. T. Hasselstrom and M. Stoll. 2,547,208, Apr. 3.
Refining milk and milk products. U. N. Petty. 2,547,281, Apr. 3.
Refining mineral oils. B. K. Engel and F. T. E. Palmqvist. 2,547,629, Apr. 3.
Refractory brick and interposed oxidizable metallic plate furnace roof and constructing the same, Suspended. R. P. Heuer. 2,547,322, Apr. 3.
Refractory brick making, Unburned. R. P. Heuer. 2,547,323, Apr. 3.
Refrigerants and refrigeration processes. W. H. Reed and W. A. Pennington. 2,547,887, Apr. 3.
Regulating temperature and pressure operated valves. O. C. Norton. 2,547,882, Apr. 3.
Regulator: *See*—
Carbon pile electric regulator. Window regulator.
Regulator system. W. Josephian. 2,547,823, Apr. 3.
Relay, Electromagnetic. A. J. Lewus. 2,547,131, Apr. 3.
Relief valve. S. E. Gilmore. 2,547,862, Apr. 3.
Repellent compositions comprising thiocyanic acid salts of primary and secondary methylidene amines, Animal. F. D. Stewart. 2,547,722, Apr. 3.

Reset mechanism for pilot safety valves. R. J. Butterfield. 2,547,853, Apr. 3.
Resetting device. H. H. Harada. 2,547,751, Apr. 3.
Resilient side bearing. R. D. Bryan. 2,547,852, Apr. 3.
Resistor. L. L. Stoffel. 2,547,506, Apr. 3.
Resistor, Hermetically sealed. F. D. Mitchell and D. M. O'Halloran. 2,547,405, Apr. 3.
Resolver for gun sight. J. R. Moore. 2,547,654, Apr. 3.
Resolving emulsions, Process and reagents for. T. B. Wayne. 2,547,188, Apr. 3.
Resuscitator. M. H. Goodner. 2,547,458, Apr. 3.
Retaining ring. H. Heimann and H. K. Waldes. 2,547,263, Apr. 3.
Reversing gear. W. Parrish. 2,547,038, Apr. 3.
Rifle construction. F. S. Taylor. 2,547,180, Apr. 3.
Ring: *See*—
Retaining ring.
Ringer, Telephone. J. R. Power. 2,547,537, Apr. 3.
Ringing equipment for pulse modulation systems. G. P. Wennemer. 2,547,549, Apr. 3.
Rod: *See*—
Coated welding rod. Drivehead grounding rod.
Roller for massaging, Rubber. J. Folley. 2,547,115, Apr. 3.
Rope lock. C. A. Boyer. 2,547,370, Apr. 3.
Rotary engine. B. A. Carideo. 2,547,374, Apr. 3.
Rotary offset printing machine interrupter. E. J. Janke. 2,547,471, Apr. 3.
Rotor for engines, Continuous contact internal. M. F. and F. A. Hill, 2nd. 2,547,392, Apr. 3.
Rug binding apparatus and method. T. M. Hartwell. 2,547,821, Apr. 3.
Saturable reactor arc prevention circuit. B. D. Bedford. 2,547,614, Apr. 3.
Saw hub and arbor, Inclinable. I. Spector. 2,547,418, Apr. 3.
Scoop for stoker furnaces and the like. J. E. Annen. 2,547,846, Apr. 3.
Scraping machine, Bark. A. P. Savickas. 2,547,785, Apr. 3.
Screen for electron optical systems, Fluorescent color. E. G. Ramberg. 2,547,775, Apr. 3.
Screen for taking measurements from projections. T. Yonkler. 2,547,425, Apr. 3.
Screen tension, Frameless. H. J. Blaser. 2,547,302, Apr. 3.
Screen with plastic warp, Sun. W. B. Ewing and J. J. Grebe. 2,547,632, Apr. 3.
Sealing packings. D. S. Alexander. 2,547,358, Apr. 3.
Seat: *See*—
Adjustable seat. Ski reclining seat.
Seat frame member for flexible seated chairs. G. C. Briggs. 2,547,559, Apr. 3.
Secrecy system. W. J. Zenner. 2,547,515, Apr. 3.
Seed sower. H. S. Speicher. 2,547,143, Apr. 3.
Seismic exploration system. A. J. Hermont and J. C. Toups. 2,547,703, Apr. 3.
Selective discharge control for inks on printing presses. W. C. Huebner. 2,547,706, Apr. 3.
Self-adjusting nose pad and brow rest for optical frames. K. Hurst. 2,547,467, Apr. 3.
Self-propelled railway vehicle. D. P. Graham. 2,547,700, Apr. 3.
Selvedge forming device, Center. J. Picanol. 2,547,170, Apr. 3.
Semitrailer. L. R. Kinsey. 2,547,269, Apr. 3.
Separate and individual pressure adhesive pieces with means of application and attachment of same. F. H. Penney. 2,547,487, Apr. 3.
Separating ternary gas mixtures, Process of and apparatus. G. E. Simpson. 2,547,177, Apr. 3.
Separation of methyl amines. W. Tyerman. 2,547,064, Apr. 3.
Separator: *See*—
Entrainment separator. Oil and gas separator.
Series capacitor protection. J. B. Owens and W. E. Large. 2,547,228, Apr. 3.
Sewing-machine attachment. W. T. Gensheimer. 2,547,639, Apr. 3.
Shade, Self-contained rising. M. F. Camp. 2,547,373, Apr. 3.
Shaft control device. W. L. Vervest and G. H. Waarle. 2,547,184, Apr. 3.
Shaft positioning apparatus. A. A. Collins. 2,546,980, Apr. 3.
Shaft seal. E. von Bolhar. 2,547,185, Apr. 3.
Shaft seal, Rotary. A. A. Farhat. 2,547,633, Apr. 3.
Shaver, Eyebrow. T. E. Crawford. 2,547,376, Apr. 3.
Shaver, Watch pocker. F. T. Evans. 2,547,077, Apr. 3.
Shaving crown gears by rocking. D. D. Austin, Sr. 2,547,517, Apr. 3.
Shelter, Collapsible. R. S. Pelton. 2,547,770, Apr. 3.
Shelving structure. M. Roggero. 2,547,597, Apr. 3.
Shield for rotatable shafts, Fluid-tight. L. A. Evans. 2,547,630, Apr. 3.
Shoe platform construction. E. J. McDaniel. 2,547,480, Apr. 3.
Shortstopping agents in emulsion polymerization. F. B. Zienty. 2,547,194, Apr. 3.
Signal flare. J. A. and E. Gearon. 2,547,698, Apr. 3.
Signal for automobiles, Right and left turn. P. H. Zentner. 2,547,192, Apr. 3.
Signal lighting control apparatus, Railway. O. W. Rost. 2,547,664, Apr. 3.
Signal mixing apparatus. E. L. Kent. 2,547,759, Apr. 3.
Signal sampling and modulation. W. E. Kirkpatrick. 2,547,397, Apr. 3.
Signaling system, Electric. E. M. S. McWhirter, R. H. Dunn, and P. W. Lennox. 2,547,035, Apr. 3.
Signaling system, Pulse multiplex. P. K. Chatterjea and D. M. Ambrose. 2,546,974, Apr. 3.
Skate, Roller. C. E. Swensson. 2,547,796, Apr. 3.
Ski reclining seat. A. Bueler. 2,547,073, Apr. 3.
Sled, Coasting. M. A. Holbrook. 2,547,210, Apr. 3.
Slicer, Seed Potato. W. E. Hanna. 2,547,702, Apr. 3.
Sliding window fastener. R. W. Gray. 2,547,315, Apr. 3.
Smoke generator. B. B. Blackford and C. R. Wallace. 2,546,964, Apr. 3.
Snap switch. R. E. Prouty. 2,547,171, Apr. 3.
Solder composition. L. Pessel. 2,547,771, Apr. 3.
Soluble fusible unsaturated halogen-containing resins made by polymerization of di-2-alkenyl ester of an alpha-ethylenic dicarboxylic acid in the presense of a bromomethane compound typified by bromotrichloromethane. R. A. Gregg. 2,547,701, Apr. 3.
Soluble fusible unsaturated halogen-containing resins made by polymerization of mixture of di-2-alkenyl maleate, di-2-alkenyl fumarate and bromomethane compound typified by bromotrichloromethane. F. J. Foster. 2,547,696, Apr. 3.
Spacer for boxes, Bottle. C. F. Bowen. 2,547,303, Apr. 3.
Spacing mechanism for typewriters, Proportional. R. D. Dodge. 2,547,449, Apr. 3.
Speaker having a tubular pot. D. C. Carlson. 2,547,565, Apr. 3.
Spinner and launcher, Top. R. F. Bourelle and B. T. Widdoes. 2,547,369, Apr. 3.
Spinning apparatus for working articles. G. Bonnett, V. A. Rayburn, and D. C. Robson. 2,547,110, Apr. 3.
Spool tension for Axminster tube frames. W. Y. Robb. 2,547,491, Apr. 3.
Sprayer, Electric hand. H. B. Rich. 2,547,094, Apr. 3.
Spraying device. J. E. Marcuse. 2,547,084, Apr. 3.
Spreader, Bobby pin. B. T. Cuff. 2,547,814, Apr. 3.
Spring anchoring means for oven doors. H. M. Reeves. 2,547,172, Apr. 3.
Spring clamp connector. E. S. Hebeler. 2,547,080, Apr. 3.
Square-wave generator. M. Morrison. 2,547,338, Apr. 3.
Squeegee operating and control mechanism. S. L. Frank. 2,547,817, Apr. 3.
Stall and manger construction. J. D. Youngman. 2,547,426, Apr. 3.
Stanchion. R. F. Harding. 2,547,319, Apr. 3.
Steam generating electric iron. H. E. Bremer. 2,547,558, Apr. 3.
Stencil. F. S. Tobey. 2,547,674, Apr. 3.
Stopper or cork, Hot-water bottle. H. E. McKeen. 2,547,337, Apr. 3.
Storage unit, Wire contact. R. F. McKlever. 2,547,482, Apr. 3.
Store front and awning assembly device. E. P. D'Asso. 2,547,693, Apr. 3.
Stove for drying tobacco, Oil burning. A. D. Strickland. 2,547,841, Apr. 3.
Straightedge. G. N. Levesque. 2,547,647, Apr. 3.
Strap, Hand. E. C. Mersereau. 2,547,483, Apr. 3.
Stretching continuous materials such as sheeting and the like. R. P. Blake. 2,547,736, Apr. 3.
Stretching continuous materials such as sheeting and the like. E. H. Land and W. H. Ryan. 2,547,763, Apr. 3.
Stringer, Snap bean. F. C. Wiemers. 2,547,352, Apr. 3.
Strip cutter. R. E. Bell. 2,547,249, Apr. 3.
Strip feeding machine having control for slack length in strips. W. Pechy. 2,547,039, Apr. 3.
Strip-forming and feeding apparatus. P. S. Smith. 2,547,544, Apr. 3.
Stud fastening. H. A. Thomson. 2,547,421, Apr. 3.
Subscription image transmission system and apparatus. E. M. Roschke. 2,547,598, Apr. 3.
Succinimido-esters, Production of. S. P. Rowland. 2,547,494, Apr. 3.
Succinonitrile, Preparation of. C. E. Brockway. 2,547,686, Apr. 3.
Sulfanilylthioureas, Producing. B. E. Baker, L. Brickman, and L. E. Ryan. 2,547,147, Apr. 3.
Support: *See*—
Vehicle body and running gear support.
Surface plate and the like. L. H. Milligan. 2,547,087, Apr. 3.
Swing, Sofa. W. I. Smith. 2,547,891, Apr. 3.
Switch: *See*—
Automatic pressure switch. Electrical alarm switch.
Double - throw clamping switch. Electromagnetic switch.
Electric signal switch. Snap switch.
Electric switch. Thermostatic switch.
Switch actuator. P. A. Lund. 2,547,765, Apr. 3.
Switch contact, Electric. A. Palme and C. H. Hannon. 2,547,658, Apr. 3.
Swivel joint. D. A. Gross. 2,547,316, Apr. 3.
Swivel joint. S. H. B. Zachariassen. 2,547,106, Apr. 3.
Swivel, Multiple ball bearing punching bag. F. W. Hudson and A. M. Pilkington. 2,547,124, Apr. 3.
Synthesis of pteridines. J. H. Boothe. 2,547,519, Apr. 3.
System for measurement of small currents. A. J. Williams, Jr. 2,547,105, Apr. 3.

Table: *See*—
Adjustable bed table. Vertically adjustable table.
Kitchen table.
Tap root cutter. B. Lindner. 2,547,400, Apr. 3.
Tape dispenser. O. P. Erhardt. 2,547,569, Apr. 3.
Tappet, Self-contained hydraulic. C. W. Truxell, Jr. 2,547,798, Apr. 3.
Target for firearm practice. P. S. Lieberman. 2,547,478, Apr. 3.
Telegraph repeater. D. W. Gilbo. 2,547,575, Apr. 3.
Telemetering system. W. D. Huston and J. M. Brady. 2,547,009, Apr. 3.
Telephone cabinet. R. H. Burrage. 2,547,808, Apr. 3.
Telephone handset lock. I. L. Sumner. 2,547420, Apr. 3.
Television synchronizing system. P. K. Chatterjea and L. W. Houghton. 2,546,972, Apr. 3.
Temperature compensation. R. W. Engstrom. 2,547,379, Apr. 3.
Temperature control using a Wheatstone bridge, Programmed. D. L. Hall. 2,547,750, Apr. 3.
Temperature controlled actuating mechanism. C. A. West. 2,547,800, Apr. 3.
Tenderizing machine, Meat. W. F. Spang. 2,547,234, Apr. 3.
Tenoner. E. H. Bryant. 2,547,807, Apr. 3.
Terminal, Electrical. E. G. Hingelberg. 2,547,866, Apr. 3.
Testing fabrics, Method and apparatus for. H. Booth. 2,547,367, Apr. 3.
Therapeutical device. N. J. Poux. 2,547,886, Apr. 3.
Thermostatic control system for furnaces. R. L. Smith. 2,547,417, Apr. 3.
Thermostatic expansion valve. C. L. Aughey and L. V. McCarty. 2,547,070, Apr. 3.
Thermostatic selective heating, cooling, and circulating interlocking control system. R. W. Olsen. 2,547,657, Apr. 3.
Thermostatic switch. E. J. Wentworth. 2,547,610, Apr. 3.
Thiophosphoryl chloride, Preparation of. K. L. Godfrey. 2,547,158, Apr. 3.
Thiophosphoryl chloride, Preparation of. O. H. Johnson. 2,547,012, Apr. 3.
Thiuronium compounds. L. H. Bock, N. H. Leake, and J. L. Rainey. 2,547,366, Apr. 3.
3,3'-bis-(trifluoromethyl) diphenyl ether. J. K. Wolfe. 2,547,679, Apr. 3.
Ticket holder. M. N. Thomason. 2,547,673, Apr. 3.
Tiller operated by tractor power take-off, Offset. C. C. De Witt. 2,547,568, Apr. 3.
Time controlled linkage actuating mechanism. R. A. Barrett. 2,547,247, Apr. 3.
Tire mounting machine, Circumferentially traveling thrust. J. H. Eberly. 2,546,988, Apr. 3.
Tone arm. L. B. Cornwell. 2,547,441, Apr. 3.
Tone control. G. A. Bonadio. 2,547,251, Apr. 3.
Tool: *See*—
Abrading tool. Machine tool.
Fowl eviscerating tool. Well tool.
Grooving tool.
Tool for removing radio tubes and vibrators. A. C. Pothier and A. C. Howe. 2,547,138, Apr. 3.
Tool post, Indexing turret. R. L. Beekman. 2,547,616, Apr. 3.
Torch, Welding. R. P. Klasick. 2,547,872, Apr. 3.
Toy, Educational talking. B. and A. N. Segal. 2,547,603, Apr. 3.
Track stripping machine. D. M. Praytor and K. Kershaw. 2,547,596, Apr. 3.
Tractor hitch. A. H. Peters. 2,547,772, Apr. 3.
Trailer hitch. C. D. Williams. 2,547,299, Apr. 3.
Transformer. J. H. Bridges. 2,546,968, Apr. 3.
Transformer, Flux bridge. C. C. Roe. 2,547,783, Apr. 3.
Transmission device, Variable-speed. J. H. Egy. 2,547,453, Apr. 3.
Transmission for drilling machines. J. Gérentès. 2,547,079, Apr. 3.
Transmission of low-frequency calls in telecommunication systems by interrupting the carrier. M. A. Lalande. 2,547,020, Apr. 3.
Transmission shifting device. C. A. Gustafson. 2,547,317, Apr. 3.
Transmission synchronizer. M. S. Baker. 2,547,732, Apr. 3.
Tray for ice-cream cups and the like, Foldable vending. E. M. Murphy. 2,547,716, Apr. 3.
Tray, Watchmaker's. H. F. W. Krug. 2,547,762, Apr. 3.
Treating and refining machine for pulp materials. C. W. Morden. 2,547,830, Apr. 3.
Treating black grease and product thereof. J. H. Kirby. 2,547,014, Apr. 3.
Treating earth formations. C. E. Reistle, Jr. 2,547,778, Apr. 3.
Treatment of rabbit's hair. H. C. E. Tillisch. 2,547,060, Apr. 3.
Trichloromethyl disubstituted methanes, Manufacture of. O. W. Cass. 2,547,689, Apr. 3.
Trimmer, Flower bed and lawn edge. J. W. Barnett. 2,547,433, Apr. 3.
Truck, Industrial. S. D. Lapham. 2,547,329, Apr. 3.
Truss for ruptures, Supporting. A. H. Hinkle. 2,547,643, Apr. 3.
Tube: *See*—
Image storage tube.
Multiple gap velocity modulation tube.
Tube and circuit therefor, Electron. W. E. Evans, Jr. 2,547,631, Apr. 3.
Tube and pipe fitting. H. R. Harding. 2,547,318, Apr. 3.
Tube closure. C. B. Cooper. 2,547,306, Apr. 3.
Turkey blackhead control composition. E. Waletzky. 2,547,677, Apr. 3.
2-alkyliminonaphtho [2,3]-1,3-dithole-4,9-dione alkohalide and fungicidal compositions containing same. N. K. Sundholm. 2,547,724, Apr. 3.
2-amino-4-hydroxy-6-(hydroxymethyl)-pteridine. H. Spiegelberg. 2,546,959, Apr. 3.
2-amino-4-hydroxy-6-methylol pteridine, Preparing. J. Semb. 2,547,501, Apr. 3.
2-chloroprocaine salt of penicillin. H. W. Rhodehamel, Jr. 2,547,782, Apr. 3.
2-vinylthiophene from thiophene by chloroethylation and dehydrohalogenation. W. S. Emerson and T. M. Patrick, Jr. 2,547,905, Apr. 3.
Typewheel-construction for printing telegraph receivers. R. D. Salmon. 2,547,046, Apr. 3.
Typewriter carriage position indicator. C. W. Norton. 2,547,088, Apr. 3.
Vacuum cleaner dust bag. A. H. Beede. 2,547,805, Apr. 3.
Valve: *See*—
Electromagnetic valve. Relief valve.
Mining machine control valve. Thermostatic expansion valve.
Valve. A. W. Braithwaite. 2,547,254, Apr. 3.
Valve. W. E. Gould. 2,547,116, Apr. 3.
Valve. F. H. Mueller. 2,547,831, Apr. 3.
Valve closure for combustion chambers, Cup-shaped. J. Brodzinsky. 2,547,560, Apr. 3.
Valve device, Check. K. J. De Juhasz. 2,547,377, Apr. 3.
Valve structure, Electromagnetically operated. D. E. Harris. 2,547,390, Apr. 3.
Vanillin and vanillin derivatives, Preparation of. P. Lagally. 2,547,913, Apr. 3.
Vanity kit, Automobile. B. L. Uttz. 2,547,101, Apr. 3.
Vapor phase hydration. J. H. McAteer. 2,547,766, Apr. 3.
Vaporizing-type oil burner. C. D. Nicholson. 2,547,341, Apr. 3.
Variable position control for hydraulic systems. E. H. Fletcher. 2,547,861, Apr. 3.
Vehicle: *See*—
Self-propelled railway vehicle.
Vehicle body and running gear support. K. A. K. Jessen. 2,547,580, Apr. 3.
Vehicle bumper jack. A. M. Olson. 2,547,768, Apr. 3.
Vending machine, Merchandise. W. C. Dressler. 2,546,986, Apr. 3.
Vending machine, Popcorn. E. E. Styll. 2,547,291, Apr. 3.
Venetian blind. J. J. Foglio. 2,547,260, Apr. 3.
Ventilating system for a plurality of associated engines, Crankcase. W. W. Lowther. 2,547,587, Apr. 3.
Ventilator, Window. W. W. Welch, Sr. 2,547,189, Apr. 3.
Verifying machine. E. W. Gardinor. 2,547,456, Apr. 3.
Vertically adjustable table. J. E. White. 2,547,296, Apr. 3.
Vessel, Double-walled thermally insulated. G. F. Sulfrian. 2,547,607, Apr. 3.
Vibrator, Pneumatic spring disk. J. S. High. 2,547,006, Apr. 3.
View finder for television cameras. W. J. Luckock. 2,547,030, Apr. 3.
Vinylether-tri- or tetrachloroethylene interpolymerization products and producing the same. F. Grosser. 2,547,819, Apr. 3.
Visor, Windshield. R. W. Lewis. 2,547,528, Apr. 3.
Visual instruction device. E. H. Pierce and E. M. Schantz. 2,547,535, Apr. 3.
Volume control system, Audio automatic. H. A. Du Bois. 2,547,903, Apr. 3.
Washbasin for use in automobiles. P. W. Bailey. 2,547,613, Apr. 3.
Washing machine, Hand-operated. A. H. Rowlett. 2,547,543, Apr. 3.
Washing system, Filter. H. H. Marsh and G. G. Short. 2,547,277, Apr. 3.
Watchcase, Polygonal. W. Schmitz. 2,547,499, Apr. 3.
Watchcase, Waterproof. H. J. O'Neill. 2,547,090, Apr. 3.
Water-cooled furnace door. E. W. Pottmeyer. 2,547,229, Apr. 3.
Water repellent compositions for textiles. E. Abrams. 2,547,728, Apr. 3.
Wave filter. G. H. Lovell. 2,547,133, Apr. 3.
Wedge clamp mechanism. L. Skeel. 2,547,789, Apr. 3.
Well liner and cementing. G. A. Collins, J. R. Russell, and F. L. Colahan. 2,546,978, Apr. 3.
Well packer. G. Green. 2,547,387, Apr. 3.
Well tool. D. M. Hampton. 2,547,461, Apr. 3.
Welting instrumentality for knitting machines and use. E. M. Zesch. 2,547,898, Apr. 3.
Wheel cover. G. A. Lyon. 2,547,031, Apr. 3.
Wheel cover. G. A. Lyon. 2,547,033, Apr. 3.
Wheel for rail cars, Resilient. A. R. Schulze. 2,547,667, Apr. 3.

Wheel-lifting jack. L. La Munyon. 2,547,474, Apr. 3.
Wheel structure. G. A. Lyon. 2,547,032, Apr. 3.
Windmill electric generating and storage system, including controlling means. C. Fumagalli. 2,547,636, Apr. 3.
Windshield wiper mechanism. A. Rappl. 2,547,285, Apr. 3.
Winding and setting mechanism for watch movements. E. Schmits. 2,547,140, Apr. 3.
Winding mechanism for tight winding paper tape on spools. W. J. Leveridge. 2,547,399, Apr. 3.
Window mounting. J. H. Wernig. 2,547,799, Apr. 3.
Window regulator. A. D. Brundage. 2,547,851, Apr. 3.
Wiper mechanism, Windshield. C. B. Sacchini. 2,547,175, Apr. 3.
Wire cables, Manufacture of stranded. F. A. Clary, Jr. and G. N. Willis. 2,546,977, Apr. 3.
Work stop. S. H. Holmes. 2,547,211, Apr. 3.
Work surface with plural section cover, Folding. L. C. Freeman. 2,547,382, Apr. 3.
Working sheet material, Method and apparatus for. F. B. Pfeiffer. 2,547,835, Apr. 3.
Wrench: *See*—
Flexible loop jar cap Nut and pipe wrench.
wrench.

CLASSIFICATION OF PATENTS

ISSUED APRIL 3, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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2,547,779: 206— 47
2,547,783: 171—119
2,547,787: 250—176
2,547,793: 171—242
2,547,801: 10— 85
2,547,822: 167— 22
2,547,834: 222—191
2,547,835: 18— 1
2,547,847: 222—483
2,547,853: 137—161
2,547,867: 222—139
2,547,868: 222—242
2,547,887: 252— 67

Condition of Applications Under Examination at Close of Business March 16, 1951

Total number of patent applications awaiting action, 116,109. Date of oldest new application, March 17, 1950; date of oldest amended application, March 22, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M. (no classes).			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewage.	4-15-50	4-12-50	2648
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-10-50	5-15-50	1696
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Testiles (Apparatus).	6-28-50	6-30-50	1582
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	3-27-50	3-27-50	2085
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	3-27-50	3-27-50	1645
6. SURLE, H., Carbon Chemistry (part)	6-1-50	6-10-50	1740
7. GONSALVES, J. E., Optics; Photography (part)	9-8-50	9-2-50	1157
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-1-50	5-1-50	2128
9. BENSON, R. B., Pumps and Fans; Fluid Motors	4-20-50	4-3-50	1528
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-10-50	3-22-60	1303
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-4-50	4-11-50	1307
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-5-50	6-22-50	1308
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	4-18-50	4-14-50	1494
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	4-21-50	4-22-50	1568
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-2-50	7-20-50	1141
16. LOVEWELL, N. N., Television; Telephony	6-16-50	6-6-50	1173
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-22-50	3-22-50	2152
18. KURZ, J. A., Power Plants; Speed Responsive Devices	3-17-50	3-22-50	1596
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-17-50	4-17-50	1344
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-13-50	4-18-50	1748
21. MADER, R. C., Textiles; Package and Article Carriers	4-1-50	4-1-50	1758
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-18-50	4-17-50	1301
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-25-50	4-14-50	857
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus; Sewing Machines	7-20-50	8-2-50	1559
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-16-50	6-13-50	1540
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	5-2-50	5-2-50	1286
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	5-12-50	5-13-50	2180
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-14-50	4-11-50	1534
29. HABECKER, LEON B., Baggage; Cloth; Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	5-19-50	6-3-50	2110
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	7-17-50	7-17-50	1893
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-20-50	6-1-50	2087
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-29-50	5-19-50	1435
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-50	5-23-50	2076
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	4-19-50	4-17-50	1574
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	4-5-50	4-13-50	1790
36. McFADYEN, A. D., Measuring and Testing; Automatic Weighers; Weighing Scales	3-21-50	3-22-50	1491
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-23-50	5-16-50	1369
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	7-14-50	6-16-50	1237
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves, Water Distribution	4-6-50	4-6-50	2722
40. DRUMMOND, E. J., Receptacles (part); Packages	5-22-50	4-18-50	3050
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-17-50	4-17-50	1532

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 116,109. Date of oldest new application, March 17, 1950; date of oldest amended application, March 22, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	5-27-50	5-4-50	2071
43. ASP, NOGI A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-23-50	7-18-50	1041
44. HARVEY, L. P., Beds; Chairs, Seats	4-1-50	4-1-50	1617
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-14-50	4-25-50	1778
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (doors, windows, awnings and shutters); Kitchen and Table Articles.	3-22-50	3-28-50	1319
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	5-3-50	5-15-50	1643
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	6-29-50	4-28-50	1422
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	5-19-50	5-1-50	1424
50. LEVIN, SAMUEL, Synthetic Resins	9-13-50	7-20-50	1469
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-1-50	4-26-50	1490
52. POPPE, W. A., (acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-10-50	4-11-50	3100
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	5-18-50	4-21-50	1042
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-11-50	5-8-50	1710
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	7-7-50	7-18-50	1114
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-19-50	6-17-50	1729
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-14-50	8-10-50	1188
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-16-50	4-17-50	1313
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	6-17-50	6-1-50	1209
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	5-16-50	1321
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-2-50	4-17-50	1807
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	4-10-50	3-29-50	2190
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	7-6-50	7-10-50	1472
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and miscellaneous.	8-12-50	8-16-50	1756
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	6-22-50	6-23-50	1665
66. LISANN, L., Geometrical Instruments	3-18-50	3-30-50	1198
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	6-23-50	6-29-50	1476
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-17-50	6-13-50	1646
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	3-27-50	4-3-50	1533
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	3-23-50	3-27-50	1951
DESIGNS: A. BREHM, G. L.	12-7-50	12-5-50	1048
DESIGNS: B. ANDREWS, D. D	12-4-50	12-8-50	944

Total number of trade-mark applications awaiting action (including renewals and republications), 22,383. Date of oldest new application, June 17, 1950; date of oldest amended application, June 19, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	7-1-50	6-30-50	6440
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	7-1-50	8-2-50	3851
Renewals (All Classes)	1-12-51	2-14-51	437
Republications (All Classes)	1-23-51	2-14-51	195
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-17-50	6-19-50	5928
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	6-22-50	6-21-50	5532

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

DIAMOND *v.* WOODYARD ET AL.

No. 5729. Decided January 16, 1951

[— F.2d; 88 USPQ 372]

1. INTERFERENCE—DILIGENCE—PROOF OF ACTUAL ABANDONMENT NECESSARY.

Rule reaffirmed that where a party actually reduced the invention to practice, his later inactivity and delay in filing the application is not material in the absence of adequate proof of actual abandonment, suppression, or concealment of the invention.

2. SAME—PRIORITY OF INVENTION—ELECTRIC DISCHARGE DEVICE.

Record reviewed and the decision of the Board of Interference Examiners awarding priority on the counts in issue to appellees affirmed.

APPEAL from the Patent Office. Interference No. 82,455.

AFFIRMED.

F. W. Lyle, Ralph H. Swingle, Hyman Diamond, and *Gordon S. Parker* for appellant.

Thomas M. Ferrill, Jr., Paul B. Hunter, and *Herbert H. Thompson* for appellees.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office awarding to appellees priority of invention of the subject matter defined by counts 5 and 6, which read as follows:

5. An electric discharge device comprising means for producing a stream of electrical charges, a hollow-body resonator interposed in the path of said stream, a portion of said resonator being capable of change in position to vary the resonant frequency of said resonator, and thermal means connected to said portion for changing the position of said portion to vary the resonant frequency of said resonator.

6. An electric discharge device comprising a hollow-body resonator, a cathode, and means for bunching electrons emitted from said cathode and causing the bunched electrons to give up energy in said resonator, in combination with mechanical means for altering the distributed capacity and inductance of said resonator and electrically heated thermal means for actuating said mechanical means.

The issue, as the interference was declared on May 27, 1946, consisted of counts 1–4. Appellant's priority as to those four counts was admitted by appellees, who moved to amend the interference by the addition of the two counts in issue. That motion was granted and judgment with respect to the four original counts was entered by the Board of Interference Examiners in favor of appellant. From that judgment no appeal was taken.

There was no dispute that the counts are applicable to the disclosure of each of the parties, as described by the Board:

The invention here in issue pertains to the thermal tuning of Klystrons, which are electronic discharge devices of the ultra-high frequency type having a beam of electrons projected by an electron gun through an evacuated hollow body resonator. Tuning, in the prior art, was effected by manually moving certain mechanical parts of the resonator or a member into and out of the resonator. The alleged improvement here is directed to thermal means for effecting a movement of an element in the resonator to produce the equivalent effect of the previously manually moved mechanical means.

Appellant, Diamond, the senior party, filed his application July 11, 1940, and appellees, Woodyard and Varian, the junior party, filed their application December 6, 1943, as a continuation-in-part of a five-party application, No. 428,682, filed January 29, 1942. The applications were copending in the Patent Office and the Board held that Woodyard and Varian, the junior party, had the burden of proving their case by a preponderance of the evidence.

The junior party, appellees, filed testimony, all of which was stipulated, and the senior party, appellant, relied on his earlier record date of filing, July 11, 1940, for conception and constructive reduction to practice. Both parties filed briefs and were represented at final hearing.

The case was submitted on the preliminary statements and evidence presented by the parties. On August 11, 1948, the Board rendered its decision awarding priority to appellees. Appellant petitioned for a rehearing and also filed a supplemental petition for the alleged purpose of obtaining an amplification, correction, and reversal of the Board's decision.

The petition for correction was denied October 25, 1948, the Board holding that no error in its original decision had been found which would alter the outcome of the interference. The petition for amplification was granted to the extent of explaining the degree of proof required of appellees in the establishment of their case but denied as to any reversal of the Board's original decision.

A review of the decision of the Board and of the record on which the decision was based is required by the fifteen reasons of appeal filed by appellant.

In the first place, the record shows that the real Corporation, assignee of appellant Diamond, and parties in interest are the Westinghouse Electric the Sperry Gyroscope Company, Inc., assignee of

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appellees Woodyard and Varian. The record also discloses, as appellees point out in their brief, that:

An illustrative version of the claimed subject matter is a Klystron tube having a "buncher" resonator and a "catcher" resonator with a system for projecting a stream of electrons through these resonators in succession, the thermal control system being employed in connection with the "catcher" resonator.

Count 5 calls for thermal means to vary the resonant frequency of a Klystron resonator; count 6 for mechanical means actuated by thermal means for altering the distributed capacity and inductance of the catcher resonator.

Woodyard and Varian alleged in their preliminary statements that during 1937, 1938, and 1939 they were engaged in the Physics Department of Stanford University in the development of microwave tubes of the Klystron type; that during such period several Klystron tubes of various types were there constructed and tested; that it was then noted the output frequency of such devices was temperature sensitive, so that frequency control means and temperature compensation might be necessary; that during the period in question it occurred to Woodyard and Varian that the effect hereinbefore described could be usefully applied to deliberately vary the tuning of such a tube; that this conception was then disclosed to their co-workers, and the invention hereinbefore described was reduced to actual practice in April of 1938.

The first tube of the Klystron type, Model A, was successfully tested in August of 1937 and formed the basis for the Varian patent, No. 2,242,275, issued May 20, 1941, on an application filed October 11, 1937, appellees' Exhibit No. 1. A subsequent model incorporating various improvements was begun in early 1938 and it appears that the parts thereof were fabricated by February 25, 1938, and assembled as appellees' "Klystron Model C" in early March of 1938, as shown by a photograph taken on March 8, 1938, appellees' Exhibit No. 3.

The record discloses that appellees' Model C Klystron was particularly adapted for thermal tuning and was tested by appellees for its effectiveness during April and May of 1938. Those tests and the Model C Klystron are described as follows in the narrative of the stipulated testimony:

"As related above, in the Model C, Klystron, the resonator gap length was made adjustable, and the resonator was accordingly tunable, by adjusting the spacing between two flanges connected respectively to the two grids defining the gap therebetween, this adjustment being made by means of adjustable struts connected between the flanges. This tube was therefore particularly adapted for thermal tuning.

"It was early demonstrated that change in tuning of the Model C Klystron could be produced by changing the temperature of or applying heat to the struts. Such thermal tuning had exactly the same effect as manual tuning. This was done either by holding one or more struts in the hand to supply heat from the hand to the strut, or by holding a match underneath a strut to heat it. Such experiments showed that the Klystron resonator could be detuned enough to drive the tube completely out of oscillation from a condition of optimum oscillation.

"On the Model C Klystron tests were conducted by Sigurd Varian to show the effectiveness of such thermal tuning. Wathen carried some high-current storage batteries to the laboratory, which already had a carbon-pile rheostat there. One terminal of the battery was connected in series with the rheostat to the center of one 'buncher' resonator strut on the Model C Klystron tube, the other terminal of the battery being connected to the resonator body of the tube, which was at ground potential.

"First, with the rheostat adjusted to provide no current to the strut, the tube was energized from its voltage sources, and was adjusted to optimum oscillating condition. It was run at this condition for a sufficient time to attain stable operation, being re-adjusted from time to time until no further re-adjustment was required. The line indications on the spectrograph screen was then of maximum length.

"Then the rheostat was adjusted to permit current flow to the strut. Such current flow to the strut divided there, half flowing from the center of the strut toward each end. This current produced heating of the strut by virtue of the ohmic losses inherent in it, and it was demonstrated that, by varying the strut current, by adjusting the rheostat, controllable amounts of resonator frequency deviation or tuning were obtained. Thus, starting from the condition of optimum oscillation, the addition of a slight amount of current to the strut decreased the amplitude of oscillation, as was indicated by a decrease in the length of the line indication on the spectograph screen. Further increase in strut current completely detuned the resonator to which the strut was connected so that oscillations ceased entirely. However, upon retuning the resonator by the mechanical manual tuner connected to it, or by decreasing the strut current and permitting the strut to cool, the original oscillating condition was restored It was shown that an increase in strut current produced a change of resonator frequency in one direction while a decrease in strut current produced a change in the opposite direction. It was also shown that variation in strut current produced exactly the same effects upon the device as manual mechanical variation of strut length.

"These tests were repeated using the catcher resonator strut as the thermally controlled strut, and the same results were obtained. With either resonator, the frequency of the controlled resonator was adjusted at will, by varying the rheostat setting, over the entire frequency range between maximum of tube oscillation and zero oscillation. By adjustment of the strut current, any desired degree of resonance was obtained.

"These tests were performed by Sigurd Varian in the presence of John R. Woodyard and Robert L. Wathen, and established to their satisfaction that a practical and effective way of controlling the frequency of a resonator electrically was by means of such thermal tuning apparatus."

More of the stipulated testimony relative to the date of the tests of the claimed device performed on the Model C Klystron was held by the Board of Interference Examiners to prove that appellees, Woodyard and Varian, reduced their invention to practice some time in either April or May of 1938; and that the precise date of their conception was not critical or necessary to be determined, since appellees reduced their arrangement to practice prior to the filing date of July 11, 1940, on which the senior party Diamond relied for conception and constructive reduction to practice. On that basis, priority of invention of the subject matter of counts 5 and 6 was awarded to appellees.

The two points which appellant raises here are thus stated in his brief:

In appealing from this award, Diamond contends (1) that the evidence which the Examiner of Interferences held to establish reduction to practice, even if all doubts are resolved in favor of Woodyard and Varian, establishes an experiment which was abandoned, and not actual reduction to practice of an invention, (2) that the Examiner of Interferences relied on insufficiently corroborated evidence in awarding priority to the junior party.

Appellant rested his case, as he had a perfect right to do, on what he considered an insufficient or inadequate state of facts set forth over the signature of his attorney in the stipulation hereinbefore described. Appellant also had a valid right to bring out any additional facts he may have had to offer in support of his position either by cross-examination of appellees and their corroborating witness or by the introduction of evidence on appellant's part. Appellant chose to exercise no such rights.

The court in appraising the evidence need not determine whether appellant's attorney signed the stipulation under the predominant belief, as indicated in the original decision of the Board, that the testimony in question "merely shows the possibility of detuning the Klystron rather than showing a tuning of the same." Nor is it proper to speculate here whether appellant's attorney might have deliberately signed the stipulation and refrained from taking testimony and cross-examining appellees' witnesses because, as appellees assert in their brief, appellant possibly realized that such measures "might not only fail to help his case but might bring out even more forcibly the strength and accuracy of the case for the junior party." *Teter* v. *Kearby*, 36 CCPA (Patents) 706, 169 F.2d 808, 79 USPQ 85, 617 O. G. 903.

[1] In view of the conclusion that appellees actually reduced the invention defined by the counts to practice, their later inactivity and delay in filing the present application is not material, since there is no adequate proof of actual abandonment, suppression, or concealment of the invention. *Hainsworth* v. *Philipp*, 29 CCPA (Patents) 1088, 129 F.2d 350, 54 USPQ 85, 543 O. G. 438.

Appellant argues in his brief that there was no proper corroboration of appellees' testimony:

The only evidence on thermal tuning is purely verbal. Under such circumstances, clear and specific corroboration of the inventors is imperative, and the burden is on the junior party to produce such corroborating evidence.

The bulk of the evidence within the stipulation is verbal, supported by photographs and documentary exhibits. The summary of all such testimony is contained in the following excerpt from the stipulation:

These tests were performed by Sigurd Varian in the presence of John R. Woodyard and Robert L. Wathen, and established to their satisfaction that a practical and effective way of controlling the frequency of a resonator electrically was by means of such thermal tuning apparatus.

Appellant contends here that the testimony of Robert L. Wathen must be rejected because he had not been properly established as a corroborative witness:

Moreover, the witness Wathen appears not to have been competent at the time to carry out, as an independent person, the complex chain of reasoning which would be required of him as a corroborating witness. * * *

Today, Wathen is Senior Project Engineer of the Inventions Research Department of Sperry and might be competent. But the events under consideration happened more than 10 years ago. And then Wathen was merely a "Technical Assistant" in the Department of Physics at Stanford, "especially active in obtaining materials and equipment" for the research and development carried on by the group working on the Klystron * * *. The only specific thing which it is said that he did, is that he "carried some high-current storage batteries to the laboratory" * * * a mere manual labor job. * * *

The Board in its original decision remarked with reference to appellees' stipulated testimony that "The sufficiency of the corroboration of this testimony has not been questioned" by appellant. On that point, appellant apparently raised the specific issue for the first time in his petition and supplemental petition for rehearing. The members of the Board in response to that argument, and with appellant's and appellees' briefs before them, stated with respect to appellant's position there:

The entire argument in the supplemental petition beginning with the middle of page 1 and continuing to the middle of page 2 relates to the question of inventorship and the question of corroboration can only be spelled out of the subject matter in the original brief to which this argument relates by giving the terms a strained and unnatural or an unexpected interpretation. In other words, the subject matter to which this argument relates questions the effect or the weight to be given the stipulated testimony, not, whether or not it is sufficiently corroborated as set forth at the top of page 2 of the opposition. The statement by the Board of Interference Examiners under consideration is deemed to correctly sum up the position taken by Diamond in his original brief.

Appellees point to the stipulated testimony of Wathen as fully corroborating the inventors Woodyard and Varian and cite authority to the effect that in a case, such as the record here presents, the oral testimony of inventors coupled with that of one corroborating witness, as to events occurring ten years previously, may be relied on to constitute a reduction to practice. *Dreyer, Jr.* v. *Haffeke*, 30 CCPA (Patents) 1278, 137 F.2d 116, 58 USPQ 545, 557 O. G. 408. What we said there continues to hold good here:

If what counsel for appellant state in the quoted excerpts from their brief is true, it is strange that they did not bring out such facts either on cross-examination of appellee and his corroborating witness or by the introduction of evidence on the part of appellant, rather than to depend upon argumentative matter in their brief.

We are unable to accept such statements in a brief, not supported by evidence of record.

Reverting to the record in the instant case, it is noted that counsel for appellant over his signature previously stipulated additional facts regarding Wathen's qualifications to which appellant has made no reference in his present brief:

Robert L. Wathen is at present Senior Project Engineer of the Inventions Research Department of the Sperry

Gyroscope Company Division of the Sperry Corporation at Great Neck, New York. From 1937 to 1940, he was Technical Assistant in the Department of Physics of Stanford University, and in this capacity was closely associated with and assisted the Klystron research group of the Physics Department. He was especially active in obtaining materials and equipment for the research and development carried on by this group, and was in daily contact with the group and their laboratories, and witnessed and assisted in the construction and testing of many types of tubes of the Klystron type upon which the group was working. In 1940 he became employed by the Sperry Gyroscope Co., Inc., which employment has continued until the present time.

It is a matter of common knowledge that in 1937 and 1938 the Klystron was a pioneering achievement in microwaves and that materials for research and development, special instruments for power measurements, and communication equipment were not readily available if they then existed in the art. Wathen's willingness under such circumstances to perform "a mere manual labor job," as appellant puts it, might well have been an attribute of character to which Wathen owes his present position.

The device actually tested by appellees was their electrical heating arrangement for one or more struts employed in a complete and operative Model C Klystron, as pointed out in appellees' brief:

These thermal tuning tests, which followed the tests reported by Dr. Webster in Exhibit 5, were carried out long before Diamond entered the field, in the presence of the co-inventors and Robert L. Wathen, an employee in the Physics Department at Stanford University, a man with a college background who, through his connection with the Physics Department and his friendship with Hansen and Woodyard and the Varian brothers, had been acquainted with the Klystron development and progress throughout the above-mentioned period in 1937 and 1938 * * *.

In challenging the sufficiency of appellees' proofs, appellant urges that appellees, the junior party, were required to prove their case before the Board beyond a reasonable doubt. The burden of proof on the junior party in an interference proceeding between pending applications requires that he establish priority by a fair preponderance of the evidence and not beyond all reasonable doubt. *Field* v. *Knowles*, 37 CCPA (Patents) 1211, 183 F.2d 593, 86 USPQ 373, 640 O. G. 697; *Kenyon* v. *Platt et al.*, 33 CCPA (Patents) 748, 152 F.2d 1006, 68 USPQ 165, 585 O. G. 641.

Appellant in the instant case admits in his brief that "Whether or not the applicants of this application [appellees] or its assignee, Sperry Gyroscope Company, saw the Diamond application before they filed the five-party application is not clear from the printed Record." Appellant then argues at length in his brief that appellees or their assignee, before the junior party filed their application, had seen appellant's application and were thereby stirred to activity. Appellant has failed, however, to show any valid basis in the record for the contention that appellees were not the original inventors of the subject matter in issue.

Before the Board of Interference Examiners appellant unsuccessfully challenged the stipulation signed by his counsel regarding the tests relied on to establish appellees' reduction to practice. There appellant constantly contended not only that the wholly stipulated testimony was not sufficient to establish a reduction to practice of the tested device, but also that such testimony indicated no more than an abandoned experiment. The Board of Interference Examiners held, with no manifest error, that appellees clearly established a reduction to practice of the invention defined by the counts in issue and were entitled to the award of priority.

Basing his final position on the assumption, for the purpose of argument only, that the wholly stipulated testimony was in fact sufficient to establish the thermal tests on which appellees relied for a reduction to practice, appellant further contends in his brief, and, for the first time, that:

Woodyard and Varian still cannot prevail because Model C was an incomplete device not capable of actual use, and because the tests on Model C were not made under conditions of normal service, as is necessary to constitute a reduction to practice.

The Board proceeded on the basis that the Klystron was fully operative and concluded that the electro-thermal apparatus in issue controlled the resonant frequency of the catcher resonator in the desired manner. It is noteworthy that appellant did not raise these objections in the tribunals of the Patent Office in the original instance or in his petition or supplemental petition for reversal of the Board's decision. Appellant may not properly raise such objections here for the first time. *In re Herthel*, 36 CCPA (Patents) 1095, 174 F.2d 935, 82 USPQ 55, 625 O. G. 277. See also *Anderson* v. *Walch*, 33 CCPA (Patents) 774, 152 F.2d 975, 68 USPQ 215, 584 O. G. 167; *Dorns* v. *Andrews*, 58 App. D. C. 91, 97, 372 O. G. 1011.

Subsequent to the filing of the record in this court, appellees filed a motion to correct diminution of the record, seeking to have included certain papers and documents described in the record. The motion was granted subject to an order of the court that the costs of printing the additional matter requested by appellees should be taxed on final decision. We find that the additional documents were proper parts of the record and that they should have been included in the original transcript. Under such facts, the costs of printing the additional matter will be taxed against appellant. See *Thompson* v. *Hamilton*, 33 CCPA (Patents) 732, 736, 152 F.2d 994, 68 USPQ 161, 585 O. G. 177.

In view of the conclusion hereinbefore expressed, it is deemed unnecessary to discuss additional points urged by appellant. [2] The decision appealed from is accordingly affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,949,322, O'Hara & Herring, Switch, filed Feb. 23, 1951, D. C. Del. (Wilmington), Doc. 1352, *B. O'Hara et al.* v. *Ford Motor Co.*

2,099,216, Nasa & Campbell, Metal testing machine, filed Feb. 19, 1951, D. C., E. D. Mich. (Detroit), Doc. 10328, *Detroit Testing Machine Co.* v. *Steel City Testing Machines, Inc.*

2,129,783, G. W. Penney, Electrical precipitator for atmospheric dust; 2,359,149, E. H. Pegg, Small-size high-capacity electrical dust precipitator; 2,380,992, Pegg & Cummings, Electrical dust precipitator system and interchangeable parts therefor, filed Feb. 21, 1951, D. C., N. D. Ohio (Cleveland), Doc. 28025, *Westinghouse Electric Corp.* v. *Air-Maze Corp.*

2,197,395, R. W. Keeler, Trench roller, filed Feb. 20, 1951, D. C., N. D. Ohio (Cleveland), Doc. 28020, *The Galion Iron Works & Mfg. Co.* v. *All Purpose Spreader Co.*

2,205,091, S. H. Geffner, Foot covering, filed Feb. 12, 1951, D. C. Md., Doc. 5279, *Douglas of California, Inc.* v. *Hochschild, Kohn & Co.*

2,267,973, A. Demcak, Examining table, D. C., N. D. Ill. (Chicago), Doc. 48c1492, *Hamilton Mfg. Co.* v. *Illinois Surgical Supply Co. et al.* Judgment favor defendant, claims 2 and 4 held invalid Feb. 21, 1951.

2,314,640, Winslow & Moore, Lubricant purifier, filed Feb. 16, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12883-HW, *Winslow Engineering Co.* v. *Micro-Filter Co. et al.*

2,359,149. (See 2,129,783.)

2,379,511, J. Federman, Coat garment, D. C., S. D. N. Y., Doc. 37/718, *J. Federman* v. *Scherer & Rosen.* Consent judgment holding patent valid and infringed; injunction (notice Feb. 21, 1951).

2,380,992. (See 2,129,783.)

2,432,469, A. E. Charles, Tufting machine, D. C., N. D. Ga. (Rome), Doc. 545, *Carolyn Chenilles, Inc.* v. *La Rose Bedspread Co., Inc., et al.* Judgment holding each claim valid and infringed Feb. 16, 1951.

2,447,354, M. A. Morrill, Rotary slide delivery, D. C., W. D. Mo. (Kansas City), Doc. 5462, *M. A. Morrill et al.* v. *Automatic Industries, Inc., et al.* Judgment and injunction; counterclaim dismissed (notice Feb. 23, 1951).

2,450,631, E. Buehler, Garment D. C., W. D. Mo. (Kansas City), Doc. 5712, *Arkay Infants Wear, Inc.* v. *Kline's, Inc., et al.* Judgment dismissing complaint for infringement (notice Feb. 19, 1951).

2,491,791, P. E. Allen, Protective closure for automobile gas tank filler; 2,537,567, same, Protective shield for gasoline filler opening in automobile fenders; Des. 158,168, Des. 158,169, Des. 158,170, same, Automobile gasoline door guard, filed Feb. 19, 1951, D. C., E. D. Mich. (Detroit), Doc. 10327, *Budd Barr Industries* v. *Allen Products Corp.*

2,505,239, H. E. Goldstein, Garment, filed Feb. 20, 1951, D. C. Minn. (Minneapolis), Doc. 3652, *Minnesota Sportswear Mfg. Co.* v. *Outdorables, Inc.*

2,535,864, H. M. Plehn, Garment, filed Feb. 23, 1951, D. C., E. D. N. Y. (Brooklyn), Doc. 11545, *Henry M. Plehn et al.* v. *Abraham & Strauss, Inc.* Same, D. C., S. D. N. Y., Doc. 64/247, *H. M. Plehn et al.* v. *Bloomingdale Bros., Inc.*

2,537,567. (See 2,491,791.)

2,537,567, P. E. Allen, Protective shield for gasoline filler opening in automobile fenders; Des. 151,168, Des. 151,169, Des. 151,170, Des. 161,990, Des. 161,991, same, Automobile gasoline door guard, filed Feb. 26, 1951, D. C. Minn. (Minneapolis), Doc. 3658, *Allen Products Corp.* v. *Bermo Mfg. Co., Inc., et al.*

2,538,673, P. A. Donahue, Footwear, suit for declaratory judgment filed Feb. 16, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 12881-C, *Connecticut Footwear, Inc., et al.* v. *P. A. Donahue.*

Des. 158,168. (See 2,491,791 and 2,537,567.)

Des. 158,169. (See 2,491,791 and 2,537,567.)

Des. 158,170. (See 2,491,791 and 2,537,567.)

Des. 158,552, E. Buehler, Combined wall bracket and vaporizer casing, suit for declaratory judgment filed Feb. 19, 1951, D. C., S. D. N. Y., Doc. 64/218, *Remington Products Corp. et al.* v. *American Aerovap, Inc.*

Des. 161,990. (See 2,537,567.)

Des. 161,991. (See 2,537,567.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 330,059, Honesdale Union Stamp Shoe Co., Men's leather shoes; T. M. 442,600, Husaco Shoe Co., Footwear, filed Feb. 20, 1951, D. C., S. D. N. Y., Doc. 64/224, *Husaco Shoe Co.* v. *Chester H. Roth Co., Inc.*

T. M. 365,023, International Appliance Corp., Electric cooking stoves, filed Feb. 26, 1951, D. C., S. D. N. Y., Doc. 64/255, *International Appliance Corp.* v. *Broil-Quik, Inc.*

T. M. 442,600. (See T. M. 330,059.)

NOTICES

Adjudicated Patents

(C. A. Mich.) Zander Patent No. 1,951,384, for an air cleaner. Claims 1, 2, and 4–9 *Held* invalid. *United Specialties Co.* v. *Industrial Wire Cloth Products Corp.*, 186 F.2d 426; 88 USPQ 338.

(C. A. Mich.) Zander Patent No. 2,004,150, for an air cleaner. Claims 1–10 *Held* invalid. *Id.*

(D. C. Mass.) Cohen et al. Patent No. 2,005,221, for a multi-ply flashing structure. Claims 1–4 *Held* invalid and not infringed. *Wasco Flashing Co.* v. *Ross*, 94 F. Supp. 914; 88 USPQ 308.

(C. A. Mass.) Lawson Patent No. 2,009,361, for a knitted fabric. Claims 1, 10, 11, 13, and 15 *Held* invalid. *Scott & Williams, Inc.* v. *Lasticnit Co., Inc.*, 186 F.2d 416; 88 USPQ 134.

(D. C. Md.) Pott Patent No. 2,012,916, for an impact tool. Claims 3 and 4 *Held* invalid and not infringed. *Ingersoll-Rand Co.* v. *Black & Decker Mfg. Co.*, 94 F. Supp. 938; 88 USPQ 150.

(C. A. Mich.) Zander Patent No. 2,018,755, for an air cleaner. Claims 1–3, 5–7, 9, 14, and 15 *Held* invalid. *United Specialties Co.* v. *Industrial Wire Cloth Products Corp.*, 186 F.2d 426; 88 USPQ 338.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

2,502,805, W. G. Spurlin, Mower attachment for tractors, decided Jan. 31, 1951, claims 1, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, and 15.

2,410,981, W. R. Koch, Super-regenerative receiver circuits, decided Dec. 13, 1950, claims 1, 2, 3, 6, 7, and 8.

2,460,714, C. S. Roys, Alternating current generator, decided Jan. 29, 1951, claims 1, 2, and 3.

Design 150,045, H. S. Zaikaner, Refrigerator container or the like, decided Dec. 21, 1950, the claim.

Notice of Tentative Recordation of Trade Name

[T. D. 52685]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Mar. 8, 1951.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"CARL ZEISS, INC." a corporation of New York, 485 Fifth Avenue, New York, New York, which corporation's stock is vested in the Office of Alien Property, vesting order No. 138. The name is used in connection with the importation, manufacture, and distribution of photographic apparatus and other optical goods manufactured in Germany.

The owner of the above-mentioned name has filed a written consent to the importation of one article bearing the name "Zeiss" provided such article is imported through the port of New York by a returning resident or by a non-resident passenger for personal use and not for sale. This consent, however, is not to be extended to officers, seamen, or other members of the crews, of vessels or planes.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after March 29, 1951. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Commissioner of Customs.

Classification Order No. 93

February 14, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 185, Motors* (Division 28)

1 **Miscellaneous**
26 **Pivoted seat**
46 **Escapements**

In *Class 260, Chemistry, Carbon Compounds* (Division 6)

Heterocyclic carbon compounds
Azoles
Thiazoles
303.1 Thiazolines and thiazolidines
303.3 Amino

CHANGE CLASS TITLE

In *Class 185, Motors* (Division 28), change the title to read:

Motors, Spring, Weight and Animal Powered

(Note: The definitions of Class 185 have been revised and appear in Bulletin No. 399).

CHANGE SUBCLASS TITLES

In *Class 185, Motors, Spring, Weight and Animal Powered* (Division 28), change the titles of subclasses 3, 4, 6, 7, 9–11, 13–15, 17–20, 22, 24, 25, 28, 30, 32, 33, 35, 36, 39, 40, 43, and 44 to read as follows:

Composite
3 Animal powered only
4 Weight only
6 With weight raising means, e. g., winding
7 With motor
9 Spring only
10 With winding means
11 With motor
13 With overwinding preventer
14 With indicating means
15 **Animal powered**
17 Drum tread
18 Pivoted disk tread
19 Sweep type
20 With driving or whipping means
Sweeps
22 Draft equalizers
24 With driving or whipping means
25 With anchor
Weight
28 Operator's weight
Oscillating
30 Wave or irregular motion type
32 With weight raising means, e. g., winding
33 With motor
35 With overwinding preventer
36 With indicating means
Spring
39 With winding means
40 With motor
43 With overwinding preventer
44 With indicating means

ESTABLISH SUBCLASSES

In *Class 74, Machine Elements and Mechanisms* (Division 12)

(T. L. STAM, *Classifier*)

1.5 **Escapements**

In *Class 185, Motors, Spring, Weight and Animal Powered* (Division 28)

(T. L. STAM, *Classifier*)

Animal powered
15.5 Pivoted seat

In *Class 260, Chemistry, Carbon Compounds* (Division 6)

(I. MARCUS, *Classifier*)

Heterocyclic carbon compounds
Azoles
Thiazoles
306.7 Thiazolines and thiazolidines
306.8 Amino

CLASSES ARRANGED BY DIVISION

Under Division 28, change the title of Class 185 from "Motors" to *Motors, Spring, Weight and Animal Powered.*

CLASSES ARRANGED IN ALPHABETICAL ORDER

Change the title of Class 185 from "Motors" to *Motors, Spring, Weight and Animal Powered.*

CLASSES ARRANGED IN NUMERICAL ORDER

Change the title of Class 185, Motors, to

185 MOTORS, SPRING, WEIGHT AND ANIMAL POWERED 28

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
185	1	Various	Various
185	26	185	15.5
185	46	74	1.5
260	303.1	260	306.7
260	303.3	260	306.8

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
74	1.5	185	46
185	15.5	185	26
260	306.7	260	303.1
260	306.8	260	303.3

IN THE DEFINITIONS:

58, Horology

in the class definition, and in subclasses 46, 48, 83, and 85, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

In subclass 116, under "Search Class", cancel the reference to Class 185 and substitute:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 1.5, for escapements of general application to various mechanisms.

60, Power Plants

cancel the first paragraph of the class definition and substitute:

This is the generic class for power plants and motors and includes motors which are not otherwise classified and combinations of a motor with other means incident or auxiliary to the utilization of the energy which serves for the production of power. This definition is general and should be construed as indicated in the following notes.

in "(1.5) Note", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

in "(1.6) Note" add:

As a specific exception to the line stated in the preceding sentence, winding arrangements for weight and spring motors in which an electric motor is combined with a weight or spring motor for winding the latter and in which the electric motor delivers power for no other purpose, are classified in Class 185 in the appropriate winding subclasses thereof. Plural diverse motors of the types which are all specifically provided for in Class 185 are in the composite motor subclasses of that class.

in "(1.7) Note", cancel "and plural mechanical motors are in Class 185", and substitute:

and plural motors comprising a plurality of spring, weight or animal powered motors only are in Class 185.

and cancel "(6) Note", and substitute:

(6) Note.—Combustion products generators per se, using liquid or gaseous fuel, and disclosed as generating combustion products used solely in a motor (e. g., jet motor, turbine, or expansible chamber motor) are classified herein. Combustion products generators not disclosed for any particular use or disclosed for use other than for external power purposes as set forth above are classified in other heat generating classes, such as Classes 158 and 263. This disclosed use line obtains only between Class 60 and Classes 158, LIQUID AND GASEOUS FUEL BURNERS, and 263, HEATING. (106 Classification Decisions, 199.)

Combustion products generators per se, using solid fuel, having high pressure generator structure peculiar to the generation of high pressure fluid for motive power, are classified herein. Combustion chamber structure of general utility, and structure for fuel preparation and fuel feeding to a conventional combustion chamber not provided for in other fuel preparation classes, as Class 241, SOLID MATERIAL COMMINUTION OR DISINTEGRATION, are classified in Class 110, FURNACES. A disclosure of use for power purposes and the claiming of air in excess of that necessary to provide combustion of the fuel would be deemed to include structure peculiar to the generation of high pressure fluid for motive power.

The presence of existing similar art in Class 110 would be indicative of structure of general utility and would justify classification in Class 110. This line obtains only between Classes 60 and 110.

Combustion products generators in which water or steam forms a component of the combustion products are uniformly classified in Class 60 even though there be no disclosure for power purposes.

and under "Search Class", cancel the reference to Class 185, and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, (see (1.5) and (1.7) Notes above).

in subclass 1, cancel only the definition and substitute:

1. Miscellaneous motors and power plant combinations falling within the general class definition but not having the characteristics of any particular subclass. There are included patents which relate, for the most part, to mere arrangements of the engine, boiler and various accessories not elsewhere provided for in the class.

in subclass 7, under "Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, for plural or composite motor combinations consisting solely of arrangements of spring, weight or animal powered motors.

in subclass 8, under "Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, for plural or composite motor combinations consisting solely of arrangements of spring, weight or animal powered motors.

in subclass 9, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

74, Machine Elements and Mechanisms

establish the following subclass definition:

1.5, Mechanism under the class definition comprising devices in which a unidirectionally biased power member, during at least a portion of its movement, imparts motion to an element which, as a result of such movement, alternately locks and releases the biased member for intermittent operation.

Search this class, subclass—
526—for lever stops.
565—for controller checks.
Search Class—
185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 5, for composite weight motors which are escapement controlled and see the search notes thereunder for related-search fields.

in subclass 6, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

In subclass 13, under "Search Class", cancel the reference to Class 185, and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 15+, for animal powered motors.

102, Ammunition and Explosive Devices

in subclass 84, under "Search Class", in the reference to Class 58, change the period to a comma, and add: *restricted for use in time measuring instruments.*

and add in numerical order:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 1.5, for escapements per se, of general application.

and in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

185, Motors

change the class title to read:

Motors, Spring, Weight and Animal Powered

Note.—The definitions of this class have been revised and appear in Classification Bulletin No. 399.

cancel the definition of subclass 1.

establish the following subclass definition:

15.5. Motors under subclass 15 in which a pivoted seat is the means used to apply the energy of the animal or human being to a system of levers whereby such energy is transmitted to an output element.

Search Class—

74—MACHINE ELEMENTS AND MECHANISMS, subclass 523+, for hand levers and treadles, per se.

280—LAND VEHICLES, subclass 220+, for such pivoted seat motors combined with vehicle structure.

cancel the definition and notes of subclasses 26 and 46.

189, Metallic Building Structures

in subclass 90, under "Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 25, for animal powered motors having anchors.

198, Conveyers, Power-Driven

in subclass 195, cancel "(5) Note" and substitute:

(5) Note.—See Class 185, MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 16, for animal powered motors having conveyers of similar structure.

254, Pushing and Pulling Implements

in subclasses 150 and 173, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

in subclass 179, under "(2) Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 19+, for sweep-actuated animal powered motors.

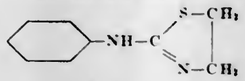
260, Chemistry, Carbon Compounds

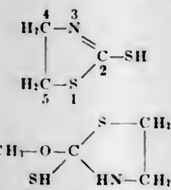
abolish the definitions and notes of subclasses 303.1 and 303.3.

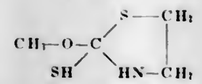
establish the following subclass definitions:

306.7. Compounds under subclass 302 which are dihydro or tetrahydrothiazoles.

(1) Note.—This subclass contains, for example:

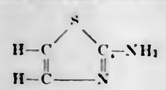






306.8. Compounds under subclass 302 which contain an extracyclic amino, imino or amido group directly bonded to a nuclear carbon of the thiazole nucleus.

(1) Note.—This subclass contains, for example:

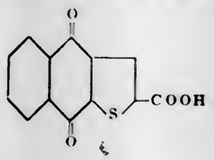


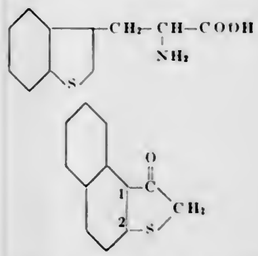
cancel the definition and note of subclass 330.5 and substitute therefor:

Compounds under subclass 329 which contain a thiophene ring fused to a benzene ring containing carbocyclic nucleus at two-ortho-positioned nuclear carbon atoms thereof.

(1) Note.—This subclass also includes those compounds where the carbocyclic nucleus is a benzene ring which is not fused to any other rings.

(2) Note.—This subclass contains, for example:





in subclass 788, under the note, change "303.3" to *306.8.*

280, Land Vehicles

in subclass 220, under "Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 15.5, for motors operated by a pivoted seat.

in subclass 226, under "Search Class", cancel the reference to Class 185 and substitute:

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclass 15.5, for motors operated by a pivoted seat.

in subclass 228, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

314, Electric Lamp and Discharge Devices, Consumable Electrodes

in subclass 82, under "Search Class", cancel the reference to Class 185 and substitute:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 1.5, for escapements of general application.

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclasses 5 and 31, for weight operated motors controlled by escapements, and subclass 38, for spring motors with escapements.

in subclass 92, under "(5) Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

318, Electricity, Motive Power Systems

in subclass 1, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

in subclass 131, under "Search Class", cancel the reference to Class 185 and substitute:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 1.5, for escapements per se, of general application.

185—MOTORS, SPRING, WEIGHT AND ANIMAL POWERED, subclasses 5, 31, and 38, for escapement controlled spring and weight motors.

in subclasses 486 and 552, under "Search Class", in the reference to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered.*

In the references to Class 185, change the title from "Motors" to *Motors, Spring, Weight and Animal Powered* in the following classes and subclasses:

Class	*Subclass*
43, Fishing, Trapping and Vermin Destroying	111
81, Tools	52.6
88, Optics	18
103, Pumps	43, 71
114, Ships	183
115, Marine Propulsion	5
116, Signals and Indicators	Class def. (Search Class)
160, Closures, Partitions and Panels, Flexible and Portable	Class def. (Search Class)
170, Motors, Fluid Current	1
197, Typewriting Machines	62
230, Gas Pumps and Fans	48 (1) Note; 61 (1) Note
241, Solid Material Comminution or Disintegration	Class def., Sections 7, 12
242, Winding and Reeling	109
255, Earth Boring	23

A. W. CROCKER,
Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,536,797. Rod Carrier. Patented Jan. 2, 1951. A removable attachment for automobile windows carries lengthy articles such as fishing rods on outside of a car. A pair of spaced arms are secured longitudinally along the side of a vehicle. Each arm has a thin hook which slips over the top of the glass of the car window and is held tightly in the gasket that receives the glass when the window is raised. The arms have leg and foot elements to form a supporting frame. Fishing rods are supported on indented arch bars attached to the arms and held in place by a pair of superimposed straps which overlie the arch bars and grip the rods. (Owner) Ansel Cooke, 1811 McClellan St., Seattle 44, Wash. Groups 33—59; 34—41; 39—49; 40. Reg. No. 40,325.

Pat. 2,526,156. Flexible Hemming Product. Patented Oct. 17, 1950. Product for hemming fabric garments is flexible and invisible from outer side of garment. A thread has small loops at intervals in zigzag pattern, the loops being coated on under side with an adhesive. Device is placed over the hem edge, the loops extending on both sides of the edge, and attached by a hot iron. Thus a hem may be laid in straight, curved, or irregular formation. Modifications shown. (Owner) Gertrude C. Quale, 446 South Main St., Sheridan, Wyo. Groups 23—23—31—32—33—61—91; 26—33; 40. Reg. No. 40,326.

Pat. 2,519,571. Cowl Fastener. Patented Aug. 22, 1950. Stud and receptacle type cowl fastener is operative by rotating the stud for a quick coupling of the two parts. Receptacle of spring material has a main basal sheet-like portion with opening and integral extensions forming a pair of spring swing arms. Free ends of the arms present hook-bill formations directed toward each other transversely of the opening. A headed stud insertable through the opening has formations operative when the stud is turned in locking direction for engaging cam surfaces of the receptacle to cause axial movement of the stud. Projections on the stud engage the hook-bill formations and limit rotation of the stud in locking direction. Several modifications are shown. (Owner) Augustus M. Henry, 6655 Sedgwick Place, Brooklyn 20, N. Y. Groups 33—72; 37—22; 39—99. Reg. No. 40,327.

Pat. 2,523,737. Method and a Machine for the Production of Drinking Glasses and Similar Glass Articles. Patented Sept. 26, 1950. Molten glass is poured into a roughing mold. Upper half of mold conforms to the shape of the stem and base of the glass. Air is blown into the bottom of the mold while air is sucked out of top of mold, compelling the molten glass to fill the upper portion while a cavity is formed in the glass remaining in lower portion of mold. The partially formed glass is inverted and the hollow portion placed in a finishing mold. The glass is rotated in alternate directions as air is blown into the cavity. (Owner) Jacques Tourres. Correspondence to Glascock, Downing & Seebold, National Press Bldg., 14th and F Sts., Washington 4, D. C. Groups 32—29; 35—59. Reg. No. 40,328.

Pat. 2,530,861. Selective Passenger Registration Meter for Taxicabs. Patented Nov. 21, 1950. A recording unit to register the distance of travel of a taxicab and the amount of fare for each passenger. Each seat has an envelope-like member of asbestos material with a pair of springs within. Spaced copper discs fastened to inner side of the asbestos material form contacts for wires from a relay switch to the unit. Weight of passenger collapses the envelope and causes the discs to come together, completing the circuit to actuate the fare-registering unit. (Co-owner) Ralph M. Coleman, 3915 Porter Ave., El Paso, Tex. Groups 35—65; 38—11—31. Reg. No. 40,329.

Pat. 2,536,071. Bicycle Article Carrier. Patented Jan. 2, 1951. Detachable article carrier for bicycles to be mounted on the handle bars. A bar of wood, metal, or plastic has enlarged grooved ends lined with rubber for attachment to the handle bars. Flexible straps are secured to the bar inwardly of the enlarged ends. The outer ends of the straps are secured to opposite walls of a collapsible fabric bag. When the bag is removed from the bicycle the bar serves as a carrying handle. A wire basket or a satchel may be substituted for the bag. (Owner) Littell G. McClung, Florence, Ala. Groups 37—41; 40. Reg. No. 40,330.

Pat. 2,536,766. Locking Device for Flexible Tapes. Patented Jan. 2, 1951. Locking device for a metal or plastic casing for a flexible tape measure to hold the tape in locked position while a measurement is being read. The tape measure supported on a central shaft within the casing has a finger grip at its free end. Directly above casing opening for the tape is a vertical opening for a latch handle. An L-shaped clip on lower end of latch bar grasps a T-shaped rubber block and may be moved into and out of engagement with the tape by pushing downwardly or upwardly on the handle. (Owner) Ernest B. Pechstein, Route 1, Box 577, Vista, Calif. Groups 39—81—99; 40. Reg. No. 40,331.

Pat. 2,519,767. Dolly Drier. Patented Aug. 22, 1950. An adjustable stretcher and drier for crocheted doilies and the like. An elongated resilient band has a cooperating tongue and slot at its ends to form a circular hoop. A series of dolly-holding pins are provided along upper edge of band, and removable U-shaped wire legs are secured to the lower edge. Adjustable shaping members have slip jaw ends for gripping opposite sides of the hoop to change the shape and dimensions of the device for various shapes and sizes of doilies. (Owner) Levina M. Kidder, 422 Neshamrock Ave., New Castle, Pa. Groups 34—41; 39—81; 40. Reg. No. 40,332.

Pat. 2,533,852. Process and Apparatus for Preparing Concrete. Patented Dec. 12, 1950. Sand and gravel are delivered to a chute, and excess water is added for easy flowing. The chute delivers the mixed material into a hopper. The mixture flows through outlet in hopper into a motor-driven, perforated, rotatable, de-watering cylinder. The de-watered mix is dumped into a gauging bin and the gauged material is discharged into a concrete mixer. A tank may be provided under the cylinder to catch the eliminated water for return to top of chute by means of a pipe and a centrifugal pump. Modification given. (Owner) Chester Tietig, 1110 Mt. Allen Road, Covington, Ky. Group 35—31. Reg. No. 40,333.

Pat. 2,518,146. Livestock Operating Table. Patented Aug. 8, 1950. A convertible pen and operating table for livestock. The ends of the pen are closed by gates supported on a stationary wall. One side of pen is closed by a tiltable panel to which the standing animal is bound by a neck stock and a body yoke. The panel is manually swung outwardly to horizontal position, with the animal thereon, for use as an operating table. (Co-owner) Carl W. Johnson, 415 North Custer St., Sheridan, Wyo. Groups 25—32; 35—22; 39—15. Reg. No. 40,334.

Pat. 2,084,255. Squeeze Gate. Patented June 15, 1937. Adjustable self-locking device for holding cattle or other animals to be branded and also for protecting the operator. Pairs of supporting posts have tracks on which end gates are slidable. A movable wall between the gates may be moved any desired distance toward or from a fixed wall. Spaced bars extend over opening in the fixed wall. The lower ends of the bars are hinged and the upper ends are detachably mounted so any bar may be swung to a lowered position, giving the operator access to the side of the animal. (Owner) Carl W. Johnson, 415 North Custer St., Sheridan, Wyo. Groups 35—22; 39—15. Reg. No. 40,335.

Pat. 2,535,843. Trim and Miter Gauge for Saw Tables. Patented Dec. 26, 1950. A trim and miter gauge for power-driven saws has parallel guides to be adjustably fitted in grooves in the saw table top. A connecting elevated por-

tion extends over the saw. A transverse member between the parallel frames is mounted to ride on rollers at side of saw table. Also extending between the parallel frames are a scale and a brace on which the work may be rested. A miter arm pivoted to one of the vertical portions is adjustable over the scale. A clamping rod is releasably connected to one of the frame pieces to secure the work piece in its adjusted position on the guides. (Owner) Wilbur R. Curtis, 1701 Olive St., Bakersfield, Calif. Group 35—43. Reg. No. 40,336.

Pat. 2,532,646. Simulated Golf Game Projector With Falling Head for Striking a Ball. Patented Dec. 5, 1950. Golf club for indoor golf comprises an elongated straight shaft having a hand grip on the upper end and a button on the lower end, and a driving head slidably mounted on the shaft. Player holds the club with driving head in "up" position on the shaft and places the button end on the floor behind a hollow ball. Driving head is then released so that it will slide down the shaft to strike and drive ball. Various shots may be made by holding the club at different angles relative to the floor with the button end at slightly varying distances from the ball. Modification shows a driving head having differently curved driving surfaces. (Owner) Gordon H. Severin, 2561 N. W. 20th St., Oklahoma City 7, Okla. Group 39—41. Reg. No. 40,337.

Pat. 2,534,442. Grain Feeder for Poultry. Patented Dec. 19, 1950. Poultry feeder automatically dispenses and scatters a quantity of feed at a predetermined time. A cylindrical container with removable top has a lower conical shroud terminating in an annular collar. A plate above collar has a series of openings. A rotatable disc above the plate has openings to be moved into and out of registry with the plate openings. A motor secured to the plate is connected to an electric clock. The device may be suspended from a ceiling, supported on a shelf, or may have legs and stand on the floor. (Owner) Harry A. Harvey, R. D. 1, Witmer Road, Niagara Falls, N. Y. Groups 34—61; 35—22; 36—21. Reg. No. 40,338.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,527,209. Storage Battery. Patented Oct. 24, 1950. Provides a high potential multi-cell storage battery for portable radios and the like. Battery is constructed to simplify the distilled water filling procedure and to eliminate the necessity for individually filling the many cells. Group 36—19—91. Reg. No. 40,339.

Pat. 2,527,215. Position-Type Telemeter Transmitter. Patented Oct. 24, 1950. Comprises three parallel electrically-conducting plates. The center plate is divided into three sectors, each insulated from the others. Dielectric members between each outer plate and the center plate are eccentrically mounted on a rotatable shaft extending through the center of the plates. Means for applying an alternating voltage between the two outer plates and connections to each section of the center plate are shown. Group 36—61—62. Reg. No. 40,340.

Pat. 2,527,236. Combined Coil Spacer and Terminal Board for Dry Type Transformers. Patented Oct. 24, 1950. Radial coil spacers for a transformer also serve as mounting members for the coil tap terminals, so as to eliminate the use of an external terminal board for the coil taps. Group 36—11—19. Reg. No. 40,341.

Pat. 2,527,237. Temperature Compensation for Hysteresis Clutch Drive. Patented Oct. 24, 1950. Provides a temperature compensating structure for hysteresis clutch drive of a watt-hour meter whereby temperature-induced changes in the magnitude of the constant torque supplied by the clutch and the temperature-induced changes in the magnitude of the torque exerted on the induction discs are mutually compensatory. Group 36—13. Reg. No. 40,342.

Pat. 2,528,214. Visual Voltage Indicator. Patented Oct. 31, 1950. Visual tuning indicator for use with a receiver comprises a circuit having a pair of gaseous glow discharge devices, which may consist of two small neon lamps. When the receiver is exactly tuned to the frequency of the carrier, both devices will glow, but when the receiver is tuned to a frequency either above or below the carrier frequency, one or the other of the devices will glow. Modification shown. Group 36—61—62. Reg. No. 40,343.

Pat. 2,528,218. Multiple Self-Balancing Potentiometer System. Patented Oct. 31, 1950. Potentiometer is designed for rapid operation to repeatedly measure and photographically record temperatures of a machine undergoing test, such as a jet engine. Group 36—19. Reg. No. 40,344.

Pat. 2,528,222. Combination Television and Frequency Modulation Receiver. Patented Oct. 31, 1950. Provides a single intermediate frequency channel for the reproduction of sound in receivers operating in both television and frequency modulation bands. Switching means are operative in one position for television reception, and in a second position for frequency modulation reception. Group 36—61—62. Reg. No. 40,345.

Pat. 2,528,240. Transformer Differential Relay. Patented Oct. 31, 1950. Protective system for a transformer or the like will respond to operating overload currents to trip a circuit breaker, but will not respond to transient overload magnetizing inrush currents, which produce unnecessary circuit interruptions. Group 36—19. Reg. No. 40,346.

Pat. 2,528,241. Frequency Controllable Magnetron. Patented Oct. 31, 1950. Provides an electron tube structure in which two or more magnetron electrode configurations are coupled together. The coupling is such that one behaves as a conventional oscillator generating high frequency electromagnetic waves, while the other behaves as a controllable variable electronic impedance driven by the oscillator reacting therewith to produce controllable changes in the oscillation frequency. Such controllable changes may be used either to effect frequency modulation and/or to maintain frequency stability by compensating for undesirable random frequency fluctuations. Group 36—61—62. Reg. No. 40,347.

Pat. 2,528,248. Wide Band Flexible Section for Wave Guides. Patented Oct. 31, 1950. Provides a flexible section for a wave guide of the rectangular hollow pipe type (used for transmission of ultra high frequency waves) to effect substantially reflectionless transmission of the waves. Comprises a plurality of substantially rigid metallic discs having aligned, centrally positioned rectangular openings therethrough with flexible metallic collars interposed and sealingly connected to opposing faces of adjacent discs. Group 36—61—62. Reg. No. 40,348.

Pat. 2,529,169. Electric Protective System. Patented Nov. 7, 1950. Protective relaying system of the phase comparison type includes control means normally connected to respond to a first output circuit and means responsive to a single phase quantity produced across a second output circuit for disconnecting the first output circuit and for connecting the second output circuit to the control means when the single phase quantity produced across the second output circuit exceeds a predetermined value. Group 36—61—62. Reg. No. 40,349.

Pat. 2,529,172. Pulse Discriminating Circuits. Patented Nov. 7, 1950. In accordance with this invention, transient oscillations resulting from the application of a steep wave front to a damped oscillatory circuit are utilized. In conjunction with the time intervals between wave fronts, to differentiate between pulses of different time-durations. Group 36—61—62. Reg. No. 40,350.

Pat. 2,529,176. Binding Wire Clip. Patented Nov. 7, 1950. Clip for securing binding bands on the rotor of a dynamo-electric machine is prevented from skewing during operation of machine by interweaving the clip with the turns of the wire of the band and then securing the ends of clip together. End turns of the wire are then secured to the clip to link them together. Group 36—11—19. Reg. No. 40,351.

Pat. 2,530,033. Sensitive Flip-Flop Circuit. Patented Nov. 14, 1950. Flip-flop circuit comprising primary and secondary electron discharge devices includes a feedback arrangement whereby the secondary device is conditioned for actuation by a relatively small triggering signal to return to the conductive state. Group 36—61—62. Reg. No. 40,352.

Patents Removed from Register

Pat. 2,452,885. Hydraulic Shock Absorber. Reg. No. 19,136. Official Gazette Mar. 8, 1949.

The following two patents, owned by E. I. du Pont de Nemours & Company, were listed in the Official Gazette, Jan. 18, 1949.

Pat. 2,101,107. Molding Composition and Process of Molding.

Pat. 2,120,006. Molding Organic Compounds.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 3, 1951

[VOL. 645. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 494,393. Gideon H. Danielson, Geneva, Ill. Filed Jan. 7, 1946.

Corvel

For Containers in the Form of a Plastic Tray Having a Spool Rack, for Holding Needles, Spools, Scissors, and Other Sewing Materials, Sold in Trade Empty.

Claims use since Nov. 1, 1945.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 522,299. Anthony Theodore Spano, doing business as Spano, New York, N. Y. Filed May 12, 1947.



The drawing is lined to represent blue and orange colors. No claim is made to the word "Medico."

For Scalp and Hair Conditioner and Dandruff Remover.

Claims use since Mar. 4, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 590,888. The Dayton Rubber Company, Dayton, Ohio. Filed Jan. 14, 1950.

DAYCOLD

Applicant claims ownership of Registrations Nos. 366,609, 400,642, 401,134, and 424,888.

For Synthetic Rubber Compound for Use in Vehicle Tires and Particularly for Use in Tire Tread.

Claims use since Mar. 24, 1949.

Ser. No. 590,933. Gibson Quality Hatcheries, Inc., Lexington, Mo. Filed Jan. 16, 1950.

3-10-3

For Live Baby Chicks.

Claims use since Mar. 15, 1949.

CLASS 2

RECEPTACLES

Ser. No. 542,966. Package Products Company, Charlotte, N. C. Filed Dec. 2, 1947.

PACKAGE 99 PRODUCTS

The words "Package Products" are disclaimed.

For Bags—Namely, Merchandise Envelopes Formed of Paper, Synthetic Sheet Material, Such as Cellophane, Pliofilm, Acetate, or Polyethylene, and Foil, such as Aluminum Foil.

Claims use since Feb. 10, 1947.

Ser. No. 557,253. Clarence M. Burroughs, Los Angeles, Calif. Filed May 18, 1948.

Burrite

For Plastic Houseware Simulating Chinaware—Namely, Jugs, Water Pitchers, Bowls, and Salt and Pepper Shakers.
Claims use since Jan. 20, 1946.

Ser. No. 558,701. Consolidated Cosmetics, Chicago, Ill. Filed June 8, 1948.

TRAVELER

For Empty Paper Boxes for Face Powder, Having an Anti-Sift Construction.
Claims use since Mar. 3, 1947.

Ser. No. 561,886. Dale Fifth Avenue, Inc., New York, N. Y. Filed July 22, 1948. (Sec. 2f.)

DALE

Applicant claims ownership of Registration No. 358,222.
For Waste-Paper Baskets, Flasks Made of Metal and Other Materials, Compacts, Leather or Canvas-Covered Cases for Carrying Sewing Materials, Leather or Canvas-Covered cases for Carrying Pills and the Like.
Claims use since 1934.

Ser. No. 561,888. Dale Fifth Avenue, Inc., New York, N. Y. Filed July 22, 1948. (Sec. 2f.)

DALE
FIFTH AVENUE

The words "Fifth Avenue" are disclaimed. Applicant claims ownership of Registrations Nos. 358,222, 516,926, and 516,927.
For Waste-Paper Baskets, Flasks Made of Metal and Other Materials, Compacts, Leather or Canvas-Covered Cases for Carrying Sewing Materials, Leather or Canvas-Covered Cases for Carrying Pills and the Like.
Claims use since 1941.

Ser. No. 564,940. Hammond Research Corporation, Gloucester, Mass. Filed Sept. 10, 1948.

THERMOGARD

For Metal Liners for Thermic Bottles.
Claims use since Aug. 2, 1948.

Ser. No. 574,757. Claremould Plastics Company, Newark, N. J. Filed Mar. 2, 1949.

CLAREMOULD PLASTICS COMPANY

Applicant disclaims the words "Plastics Company."
For Butter Dishes, Bread Trays, Serving Trays, and Covered Dishes for Ice Boxes, All Made of Plastics.
Claims use since Jan. 1, 1940.

Ser. No. 596,088. The Fandee Company, Chicago, Ill. Filed Apr. 21, 1950.

"GENIE"

For Tray and Rack-Like Receptacles Having a Plurality of Wells or Cavities Adapted to Hold Jars, Cans, Bottles, Tumblers, and Other Receptacles Therein During Warming and Serving of the Contents Thereof, and Composed of Plastic Glass, Metal or Wire.
Claims use since Feb. 24, 1950.

Ser. No. 598,339. C. G. Winans Company, Newark, N. J. Filed May 29, 1950.

WINLONG

For Egg Cartons.
Claims use since May 16, 1950.

Ser. No. 598,340. C. G. Winans Company, Newark, N. J. Filed May 29, 1950.

WINNEST

For Egg Cartons.
Claims use since May 16, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 579,148. H. M. Wocher & Son Company, Philadelphia, Pa. Filed May 19, 1949.

Holiday

The drawing is lined to indicate the color yellow with purple wavy lines running through the letter "H."
For Polishes for Glass, Silver, and Metal Surfaces.
Claims use since Apr. 19, 1949.

CLASS 5

ADHESIVES

Ser. No. 594,777. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registration No. 507,750, dated Nov. 12, 1929.
For Nitro-Cellulose Adhesives for Celluloid, for Wood, for Leather, for Mending Broken Articles, and for Tipping Billiard Cues; Solutions of Rubber, Chlorinated Rubber or Synthetic Rubber-Like Materials for Use as a Cement for Fixing Tires.

Ser. No. 598,353. Chicago Mastic Company, Chicago, Ill. Filed May 31, 1950.

CMC

For Latex Type of Mastic Adhesive Cement.
Claims use since February 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 537,374. United States Rubber Company, New York, N. Y. Filed Oct. 9, 1947.

The words "Agricultural Chemicals" are disclaimed.
For Herbicides, Insecticides, and Fungicides.
Claims use since Mar. 30, 1946.

Ser. No. 570,718. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Dec. 17, 1948.

PENCO

Applicant claims ownership of Registration No. 434,653.
For Herbicides.
Claims use since Mar. 4, 1947.

Ser. No. 581,357. Raffold Company of America, Andover, Mass. Filed June 30, 1949.

RAFFOLD

For Inorganic Paper Filler and Paper Coating Material, Comprising Calcium Carbonate.
Claims use since 1916.

Ser. No. 585,607. Société à Responsabilité Limitée Cobra, Paris, France. Filed Sept. 30, 1949.

COBRA

Applicant claims ownership of French Registration No. 322,747, dated Sept. 13, 1938.
For Disinfectant, Insecticide, and Fungicide Compositions for Preserving Wood.
First used in 1937 in France; and first used in commerce between France and the United States which may be lawfully regulated by Congress in 1948.

Ser. No. 590,474. Barnes-Hind Laboratories, Inc., San Francisco, Calif. Filed Apr. 28, 1950.

PASGRAN

For Sodium Para Aminosalicylate Acid.
Claims use since Apr. 21, 1950.

Ser. No. 598,062. Carnegie Chemical Mfg. Co., Los Angeles, Calif. Filed May 25, 1950.

ALLERGEX

For Concentrated Solution for Treating Carpets, Rugs, Upholstery, Fabrics, Drapes, and Bed Linens for the Purpose of Immobilizing, Sealing, and Retarding Formation of House-Dust.
Claims use since Apr. 3, 1950.

Ser. No. 599,207. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Filed June 14, 1950.

SOLVITOSE

Applicant claims ownership of Netherlands Registration No. 81,180, dated June 5, 1944.
For Composition Composed of Starch and Starch Derivatives Used as a Thickening Agent in the Textile and Paper Industries.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 555,919. Consolidated Cement Corporation, Chicago, Ill. Filed Apr. 30, 1948.

PENINSULAR

The lining is used to indicate shading only. Applicant claims ownership of Registration No. 345,632.
For Masonry Cement.
Claims use since ~~Mar. 22,~~ 1948.

Ser. No. 570,397. Western Materials Company, Chicago, Ill. Filed Dec. 11, 1948.

SIL-O-GAN

For Siliceous Refractory Materials Known to the Trade as "Ganister" for Use Where It Is Necessary That the Material Withstand Heat, Chemical Action, Abrasion, and Temperature Changes, Such, for Example, as a Lining Material for Blast Furnaces, Cupolas, Etc., Also as a

Wear Resistant Aggregate for Magnesite and Cement Floors, Made by Crushing Siliceous Rock and Screening to Size, Such as ½" and Finer.
Claims use since June 1947.

Ser. No. 577,113. Enduro Metal Awning Corporation of America, doing business as Hughes Awning Co., Charleston, W. Va. Filed Apr. 14, 1949.

ETERNO

For Aluminum Awnings.
Claims use since Jan. 3, 1949.

Ser. No. 578,524. Roxdale Building Products Corporation, New York, N. Y. Filed May 10, 1949.

ROXFLOR

For Rubber and Asphalt Tile.
Claims use since Apr. 15, 1949.

Ser. No. 583,447. Plywood Incorporated, Detroit, Mich. Filed Aug. 13, 1949.

WOODSONITE

For Plywood.
Claims use since July 20, 1949.

Ser. No. 586,509. A. Bell and Company Limited, Northampton, England. Filed Aug. 16, 1949.



Applicant claims ownership of British Registrations Nos. 495,587, dated Oct. 3, 1928, and 515,750, dated Sept. 1, 1930.
For Firebricks and Glazed Tiles.

Ser. No. 587,586. Permanente Cement Company, Oakland, Calif. Filed Sept. 16, 1949. (Sec. 2f.)

SANTA CLARA

Applicant claims ownership of Registration No. 387,808.
For Building Cement.
Claims use since December 1939.

Ser. No. 597,778. Fletcher Kirkpatrick Perrow, Jr., trading as Perrow Chemical Co., Hurt, Va. Filed May 19, 1950. (Sec. 2f.)

OLD DOMINION

Applicant claims ownership of Registration No. 322,665.
For Industrial Finishes—Namely, Concrete Surface Hardeners and Concrete Floor Hardeners.
Claims use since January 1933.

Ser. No. 598,269. The Ohio Rubber Company, Willoughby, Ohio. Filed May 27, 1950.

VERSIBOND

For Rubber and Plastic Decorative Laminate Surfacing Material for Sink Tops and Backs, Cabinets, Bars, Counters, Partitions, Paneling, Doors, and the Like.
Claims use since Sept. 1, 1949.

Ser. No. 599,746. Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., now by merger and change of name United States Steel Company, a corporation of New Jersey. Filed June 26, 1950.

TRI-TEN

For Steel Structural Shapes.
Claims use since May 2, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 573,406. Century Metalcraft Corporation, Los Angeles, Calif. Filed Feb. 7, 1949.

GUARDIAN SERVICE

Applicant disclaims the word "Service." Applicant claims ownership of Registrations Nos. 370,772 and 382,616.
For Cooking and Serving Utensils of Non-Precious Metals, Some Having Glass Covers—Namely, Roasters; Griddle Broilers; Casseroles; Tureens; Sauce Pans; Domed Cookers; Fryers; Beverage Urns for Preparing and/or Serving Beverages; Platters on Which Food Is Prepared and Served; Trays on Which Food Is Prepared and/or Served; Kettles; Ovens, in the Nature of Enclosed Vessels for Use on the Top of a Stove, and Including Those for Cooking Under Pressure (Sometimes Known as "Pressure Cookers"); and Supporting Racks for Use in Kettles, Roasters, Ovens and the Like; Together With Detachable Handles and Lifters for Use With the Foregoing Utensils.
Claims use since January 1939.

Ser. No. 574,550. Spraying Systems Co., Bellwood, Ill. Filed Feb. 25, 1949. (Sec. 2f.)

STREAMJET

For Nozzles for Spraying Liquids.
Claims use since January 1943.

Ser. No. 583,188. John S. Baruch, doing business as Standard Auto Products Company, Cleveland, Ohio. Filed Aug. 9, 1949.

ADD-A-KIT

The word "Kit" is disclaimed.
For Bolts and Nuts—Namely, Stove Bolts and Nuts, Carriage Bolts and Nuts, Automotive Bolts and Nuts, Corrosion Resistant Battery Bolts and Toggle Bolts; Studs; Cap Screws; Metallic Washers; Cotter Pins; Wood Screws; Metal Screws; Brass Fittings for Automobile Fuel Lines, Lubricating Oil Lines and Brake Fluid Lines; Copper Fuel Oil and Brake Fluid Lines; Automotive Expansion Plugs; Automobile Accelerator Pedal Springs; and Kits Containing Assortments of (*a*) Cap Screws and Hex Nuts, (*b*) Stove Bolts and Nuts, (*c*) Brass Fittings, Sleeves and Nuts, (*d*) Metallic Washers and Cotter Pins, (*e*) Expansion Plugs, (*f*) Wood Screws, (*g*) Machine Screws and Nuts, and (*h*) Sheet Metal Screws.
Claims use since May 3, 1948.

Ser. No. 583,417. Townsend Company, New Brighton, Pa. Filed Aug. 12, 1949.

Tufflok

For Lock Nuts.
Claims use since July 11, 1949.

Ser. No. 589,944. Aldens, Inc., Chicago, Ill. Filed Dec. 27, 1949. (Sec. 2f as to the name "Alden.")

ALDEN-MAID

For Metal Cooking Utensils—Namely, Roasters, Frying Pans, Pots, Griddles, Skillets, French Fryers, Dutch Ovens, Bread Pans, Saucepans, Cookie Pans, Cookie Molds, Cake Tins, Coffee Pots, Coffee Percolators, Drip Type Coffee Pots, Tea Pots, Tea Kettles, Covered Kettles, Canning Kettles, Pressure Cookers, Waterless Cooking Kettles, Steamers, Double Boilers, Colanders, Egg Poachers, Mixing Bowls, Food Strainers, and Dish Pans.
Claims use since June 23, 1947, on the mark as shown; and since July 15, 1943, on the name "Alden."

Ser. No. 599,513. Edward Hildebrandt, Seattle, Wash. Filed June 21, 1950.

Juicy Creek

For Pie Pans Made of Base Metal.
Claims use since June 2, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 571,860. The Hamilton Foundry and Machine Company, Hamilton, Ohio. Filed Jan. 8, 1949.

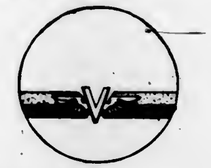


For Gray and White Iron Castings, Specifically Castings for Parts of Printing Machines and Scales, Textile Machinery, Water Heaters, Machine Tools, Diesel Engines, Farm Machinery, Building Hardware, Electric Appliances and Airplanes.
Claims use since 1919.

CLASS 15

OILS AND GREASES

Ser. No. 578,905. Tide Water Associated Oil Company, New York, N. Y. Original filed, act of 1946, Supplemental Register, May 14, 1949; amended to application, Principal Register, Oct. 3, 1950.



No claim of color is made.
For Lubricating Oils and Greases.
Claims use since May 1, 1940.

Ser. No. 601,035. Freedom-Valvoline Oil Company, Freedom, Pa. Filed July 21, 1950.

VALVOMATIC

Applicant claims ownership of Registrations Nos. 1,502, 8,289, and others.
For Fluid Serving as a Power-Transmission Medium, a Heat Transfer Medium, a Hydraulic Control Fluid, and a Lubricant for Gears and Bearings Within Motor Driven Devices (Automatic Transmission), Said Fluid Having a Mineral Oil Base.
Claims use since May 27, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 520,549. Carsolite Corporation, doing business as The Madison Laboratories, Chicago, Ill. Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, Jan. 27, 1949. (Sec. 2f.)

NEO-CHROME

For Ready-Mixed Metallic Paint.
Claims use since January 1938.

Ser. No. 536,151. Seidlitz Paint & Varnish Co., Kansas City, Mo. Filed Sept. 29, 1947.

DURMO

Applicant claims ownership of Registration No. 504,652.
For Clear Varnish.
Claims use since Aug. 31, 1931.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 542,176. Rock City Tobacco Company (1936) Limited, Quebec, Quebec, Canada. Filed Mar. 4, 1948.



The portrait is fanciful. Applicant claims ownership of Canadian Registration No. 25,818, dated Apr. 21, 1947.
For Cigars, Cigarettes, Smoking Tobacco and Chewing Tobacco.

Ser. No. 559,137. Cifuentes y Compania, Habana, Cuba. Filed June 14, 1948. (Sec. 2f.)



All wording, except "Partagas," is disclaimed. The portraits are fanciful. Applicant claims ownership of Registrations Nos. 60,515, 53,480, 60,514, 60,516, 356,751, and 440,817.
For Cigars.
First used in 1845 in Cuba; and first used in commerce between Cuba and the United States in 1845.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 563,944. Marz Laboratories Limited, Windsor, Ontario, Canada. Filed Aug. 24, 1948.

LAXI-POPS

The word "Pops" is disclaimed.
For Candy Suckers Having Laxative Properties.
Claims use since Oct. 13, 1947.

Ser. No. 565,376. Schering Corporation, Bloomfield, N. J. Filed Sept. 17, 1948.

GRAMINASIN

Applicant claims ownership of Registration No. 43,703.
For Medicinal Preparation for the Treatment of Micro-Organic Infection.
Claims use since July 23, 1948.

Ser. No. 569,764. Meyers & Rosser, Dallas, Tex. Filed Dec. 2, 1948.

THIA-FERRIN

The word "Ferrin" is disclaimed.
For Tablets for Use in the Treatment of Iron Deficiency Anemias.
Claims use since July 16, 1945.

Ser. No. 570,800. G. S. Stoddard & Co., Inc., New York, N. Y. Filed Dec. 18, 1948.

CHOLAPHEN

For Cholagogue and Laxative.
Claims use since Aug. 8, 1924.

Ser. No. 570,805. G. S. Stoddard & Co., Inc., New York, N. Y. Filed Dec. 18, 1948.

SALCETOL

Applicant claims ownership of Registration No. 221,435.
For Analgesic and Antipyretic.
Claims use since June 23, 1904.

Ser. No. 577,688. Henry J. Riemer, doing business as U-Tri Laboratories, Flint, Mich. Filed Apr. 25, 1949.

U-TRI

For Medicinal Ointment for External Application in the Treatment of Arthritis, Inflamed Joints, Eczema, Rheumatism, Sinus, Asthma, and Hay Fever.
Claims use since June 8, 1948.

Ser. No. 589,410. Mariano Pollina, doing business under the name and style of Ygrene Company, New York, N. Y. Filed Dec. 10, 1949.

YGRENE

For Natural Nutritional Concentrate in the Nature of a Dietary Supplement.
Claims use since March 1949.

Ser. No. 592,048. Nutrilite Products, Inc., Los Angeles and Buena Park, Calif. Filed Feb. 6, 1950.

NUTRILITE

Applicant claims ownership of Registration No. 402,891.
For Vitamin Food Supplement and a Mineral Food Supplement, Being Concentrated Extracts of Various Animal and Vegetable Products in Form To Be Readily Added to the Diet To Supply Additional Vitamin and Mineral Elements Necessary to Balanced Nutrition.
Claims use since Aug. 4, 1939.

Ser. No. 594,092. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Filed Mar. 17, 1950.

ARTHENOLONE

For Steroid Substances in Dosage Form.
Claims use since Feb. 21, 1950.

Ser. No. 596,264. Commercial Solvents Corporation, New York, N. Y. Filed Apr. 25, 1950.

ComPen

Applicant claims ownership of Registration No. 534,004.
For Procaine Penicillin G.
Claims use since Apr. 4, 1950.

Ser. No. 596,681. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 1, 1950.

NOCTA-EURESA

The drawing is lined for red.
For Medical Preparation—Namely, a Safe Remedy for Bed-Wetting in Children.
Claims use since Jan. 1, 1915.

Ser. No. 597,419. U. M. A. Incorporated, New York, N. Y. Filed May 13, 1950.

BIOCRES

For Vitamin B_{12}-Containing Tablets and Vitamin B_{12} Preparations in Other Dosage Forms.
Claims use since Dec. 30, 1949.

Ser. No. 597,987. The Upjohn Company, Kalamazoo, Mich. Filed May 23, 1950.

Intrinase

For Medicinal Preparation for the Treatment of Vitamin and Nutritional Deficiencies.
Claims use since Jan. 31, 1950.

Ser. No. 598,036. American Khellin Corporation, New York, N. Y. Filed May 25, 1950.

SULLACTYL

For Preparation Used as a Stimulant of the Mammary Glands in Humans and Animals; for Development of the Breasts; and a General Tonic.
Claims use since May 10, 1950.

Ser. No. 598,140. Whitehall Pharmacal Company, New York, N. Y. Filed May 25, 1950.

MELCALOSE

For Laxative.
Claims use since May 17, 1950.

Ser. No. 598,535. The Maltine Company, Morris Plains, N. J. Filed June 3, 1950.

CORBANE

For Pharmaceutical Composition Useful in the Treatment of Skin Disorders and Allergies.
Claims use since May 23, 1950.

Ser. No. 598,554. William R. Warner & Co., Inc., New York, N. Y., now by change of name Warner-Hudnut, Inc., a corporation of Delaware. Filed June 3, 1950. (Sec. 2f.)

Omni-Beta

Applicant claims ownership of Registrations Nos. 393,334 and 406,107.
For Preparation for Treatment of Vitamin B Deficiencies.
Claims use since Nov. 28, 1944.

Ser. No. 598,682. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

LOMALEX

For Medicinal Preparation for the Treatment of Asthmatic Conditions.
Claims use since Jan. 3, 1950.

Ser. No. 598,683. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

LOMARIL

For Medicinal Preparation for the Treatment of Asthmatic Conditions.
Claims use since Jan. 3, 1950.

Ser. No. 598,684. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

LYALTIN

For Vitamin Preparation.
Claims use since Jan. 3, 1950.

Ser. No. 598,685. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

LYDASTIN

For Vitamin Preparation.
Claims use since Jan. 3, 1950.

Ser. No. 598,686. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

PORDESON

For Medicinal Preparation for the Treatment of Upper Respiratory Tract Conditions.
Claims use since Dec. 28, 1949.

Ser. No. 598,687. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed June 6, 1950.

PRINEXIN

For Medicinal Preparation for the Treatment of Upper Respiratory Tract Conditions.
Claims use since Dec. 28, 1949.

Ser. No. 598,692. Taft Pharmaceutical Company, Incorporated, New Haven, Conn. Filed June 6, 1950.

DUGRAL

For Medicinal Preparation in Tablet Form for the Treatment of Iron Deficiency Anemias.
Claims use since May 1, 1950.

Ser. No. 601,395. Pearson Pharmacal Company, Inc., New York, N. Y. Filed July 26, 1950.

"ENNDS"

For Antiseptic, for a Cough Syrup, and for an Ingestible Pill, Made Chiefly From Chlorophyllin, Having the Chemical Properties of Acting Systematically To Eliminate Body Odors.
Claims use since June 23, 1950.

CLASS 19

VEHICLES

Ser. No. 558,752. Sears, Roebuck and Co., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registration No. 304,877.
For Automobile Structural Parts and Accessories—Namely, Group A, Brake Shoe Sets; Group B, Chassis Springs, Shock Absorber Links and Bushings, Spring Shackles, Shackle Pin Bushings, Auto Horns (Vacuum and Klaxon Types), Windshield Wiper Arms, Windshield Wiper Blades, Car Cooler and Humidifier, Automobile Floor Mats, Accelerator Pads, License Plate Brackets, Fender Mouldings, Battery Clamps, Battery Holders, Steering Wheel Spinners, Radiator (Auto, Truck); Group C, Seat Covers, Auto Grilles, Grille Guards, Bumper Guards; Group D, Rear View Mirrors, Radiator Caps, Gas Caps, Fender Guides, Fender Flaps, Replacement Hub Caps, Auto Heaters (Hot Water), Top of Car Luggage Carriers, Brake Pads, Steering Wheel Covers, Defroster Shield Kits (Plastic Film, Adhesive, Sponge, Squeegee), Defroster Shields; Group E, Axle Shafts, Utility Trailers, Sun Visors; Group F, Shock Absorbers, Front End Assembly Parts (King Bolts, Suspension Supports, Tie Rod Ends, Drag Links); Group G, Underhood Portable Hood Motors, Automobile Door Handles, Steering Column Shaft and Worm Assemblies and Sector Sets Therefor.
Claims use since Jan. 17, 1933.

Ser. No. 574,095. Francis Metal Products, Inc., Fitzwilliam, N. H. Filed Feb. 18, 1949.

AUTO VALET

The word "Auto" is disclaimed.
For Racks or Brackets for Hanging Garments in Automobiles.
Claims use since Feb. 4, 1949.

Ser. No. 575,517. Arnold, Schwinn & Co., Chicago, Ill. Filed Mar. 16, 1949.

Schwinn Jet

Applicant disclaims the word "Schwinn." Applicant claims ownership of Registrations Nos. 371,422, 375,953, and others.
For Bicycles.
Claims use since Mar. 4, 1949.

Ser. No. 579,191. Hydraulic Supply Mfg. Co., Seattle, Wash. Filed May 20, 1949.



The pictorial representation of the propeller and the word "Cruiser" are disclaimed.
For Boats—Namely, Power-Driven Cabin Cruisers, Yachts, and Tug.
Claims use since Mar. 1, 1949.

Ser. No. 581,060. The Airoller Company, Guilford, Conn. Filed June 25, 1949.

AIROLLER

For Inflatable Tubes Used as Boat Rollers.
Claims use since Apr. 15, 1949.

Ser. No. 583,538. Kar Valet Company, San Diego, Calif. Filed Aug. 16, 1949.

Kar-Valet

The word "Kar" is disclaimed.
For Clothes Hanger Rods Removably Secured for Use Across the Interior of the Top of Automobiles.
Claims use since Sept. 3, 1948.

Ser. No. 586,204. Castro Products, Castro Valley, Calif. Filed Oct. 21, 1949.

CarValet

The word "Car" is disclaimed.
For Adjustable Garment Hanger Mounted in a Motor Vehicle.
Claims use since Jan. 20, 1949.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 537,985. The Cleveland Heater Company, Cleveland, Ohio. Filed Oct. 16, 1947.

REX

For Anode Rods for Preventing Corrosion of Tanks, Cast and Extruded Alloy Bars Forming Such Anode Rods, and Anode Supporting Fittings.
Claims use since Jan. 1, 1946.

Ser. No. 551,126. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Mar. 3, 1948.



The accompanying drawing is lined to indicate the colors red and green. Those squares in the drawing lined to indicate black are actually a screen printing of green over red but give the appearance of black. The superimposed diagonal lines bisecting the green and screen printed squares are yellow in color. The superimposed diagonal lines bisecting the red and screen printed squares are green in color. The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 503,908.
For Sound Recording Tape for Magnetized Reproduction.
Claims use since June 6, 1947.

Ser. No. 570,517. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948. (Sec. 2f.)

DUNLAP

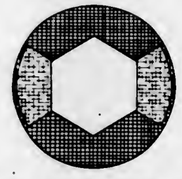
For Electric Soldering Irons, Electric Motors, Electric Hand Manipulable, Portable Grinders, Electric Hedge Trimmers, Electric Hand Manipulable, Portable Drills.
Claims use since July 15, 1937.

Ser. No. 578,690. Harvey Lamps, Inc., Brooklyn, N. Y. Filed May 12, 1949.



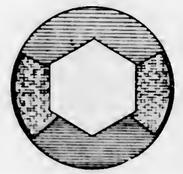
Applicant makes no claim to the term "Glo."
For Electric Lamp Shades.
Claims use since Jan. 21, 1949.

Ser. No. 587,899. McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Filed Nov. 16, 1949.



The drawing is lined for the colors black and yellow.
For Protectors for Electric Circuits.
Claims use since Jan. 28, 1949.

Ser. No. 587,963. McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Filed Nov. 17, 1949.



The trade-mark consists of an annular design on the face of the cap of the goods, the annulus being divided into four segments, and said segments being alternating darkly colored and lightly colored areas, as for example blue areas and yellow areas, that are defined by generally radially directed bounds, the areas of one of said colors being generally opposite each other and being unsymmetrical and occupying more than one half (½) the total area of said design; the areas of the other of said colors being generally opposite each other and being symmetrical and occupying less than one half (½) of the total area of said design. The lining on the drawing indicates the bounds of the blue and yellow of the darkly colored and lightly colored areas.
For Protectors for Electric Circuits.
Claims use since Sept. 1, 1949.

Ser. No. 603,463. Scott Radio Laboratories, Inc., Chicago, Ill. Filed Sept. 12, 1950.

RAVENSWOOD

For Television Receiving Sets.
Claims use since Aug. 5, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 541,318. Motor Economy Products, Inc., Englewood, N. J., and New York, N. Y., assignor to Watson Elevator Company, New York, N. Y., a corporation of New York. Filed Nov. 15, 1947.

VACU-VENT

No rights are claimed in the black background. The term "Vent" is disclaimed.
For Ventilating Apparatus for Crank Cases of Internal Combustion Engines.
Claims use since Oct. 1, 1947.

Ser. No. 545,897. Arthur A. Schild, Farmington, Mo. Filed Dec. 31, 1947.

ZIP-TRIM

The word "Trim" is disclaimed.
For Electric Motor Driven Bench Type Trimmer for Removing Tips From Shirt Collars and the Like.
Claims use since Nov. 15, 1947.

Ser. No. 546,916. The Western States Machine Company, Salt Lake City, Utah, and Hamilton, Ohio. Filed Sept. 4, 1947. (Sec. 2f.)

STEVENS

Applicant claims ownership of Registration No. 358,722.
For Mixing and Conditioning Apparatus for the Heat Treating of Sugar Massecuites and Magmas Preparatory to Centrifuging the Same in the Manufacture of Sugar.
Claims use since Apr. 1935.

Ser. No. 555,418. L. M. S. Co., Ltd., Columbus, Ohio. Filed Apr. 23, 1948. (Sec. 2f.)

PIN-LOCK

For Stop Collars Adapted for Attachment to Rotatable Shafts to Prevent the Longitudinal Displacement of Such Shafts With Respect to Bearing Supports.
Claims use since May 6, 1940.

Ser. No. 571,898. John Clark Industries, Inc., San Marcos, Tex. Filed Jan. 10, 1949.

KRAKALL

For Nutcrackers.
Claims use since Oct. 16, 1948.

Ser. No. 573,822. Atlas Scraper and Engineering Co., Bell, Calif. Filed Feb. 14, 1949.

ATLAS

For Road Scrapers, Rippers, Snow Plows, Oil Pumps of the Gear Type for Hydraulic Power Tools, Cranes, Land Levelers, Hydraulic Cylinders, and Hydraulic Power Controls.
Claims use since 1920.

Ser. No. 573,824. Atlas Scraper and Engineering Co., Bell, Calif. Filed Feb. 14, 1949.

ATLAS

For Road Scrapers, Rippers, Snow Plows, Oil Pumps of the Gear Type for Hydraulic Power Tools, Cranes, Land Levelers, Hydraulic Cylinders, and Hydraulic Power Controls.
Claims use since October 1948.

Ser. No. 576,000. Mallory Electric Corporation, Detroit, Mich. Filed Mar. 24, 1949. (Sec. 2f.)

Mallory

Applicant claims ownership of Registrations Nos. 312,364 and 338,290.
For Carburetors and Fuel Feed Governors for Internal Combustion Engines.
Claims use since 1936.

Ser. No. 576,129. Niles-Bement-Pond Company, West Hartford, Conn. Filed Mar. 26, 1949.

DI-BUR

The words "Di" and "Bur" are disclaimed.
For Milling Cutters, Burs, and Similar Metal Cutting Tools.
Claims use since Mar. 1, 1949.

Ser. No. 587,220. The Will-Burt Company, Orrville, Ohio. Filed Nov. 2, 1949.

LITTLE FARMER

For Powered Cultivators.
Claims use since June 1, 1949.

Ser. No. 596,960. Tuck Manufacturing Company, Brockton, Mass. Filed May 5, 1950. (Sec. 2f.)

TUCK

For Hand Tools—Namely, Socket Firmer Chisels, Socket Butt Chisels, Socket Cabinet or Pocket Chisels, Screw Drivers, Screw Driver Bits, Screw Driver Handles, Nail Sets, Center Punches, Pin Punches, Solid Punches, Drift Punches, Cold Chisels, Snail Countersinks, Flat Countersinks, Square Reamers, Shoe Knives, Rubber Knives, Manual-Training Knives, Swedish Sloyd Knives, McKay Knives, Paper-Hangers' Knives, Linoleum Knives, Oilcloth and Pruning Knives, Oyster Knives, Banana Knives, Clam Knives, Burnishers, Scraper Steels, Brad Awls, Marking Awls, Scratch Awls, Stickers, Ice Picks, Prick Punches, Staple Pullers, Mason's Flat Jointers, and Weeders.
Claims use since June 1902.

Ser. No. 599,462. Standard Tool Co., Cleveland, Ohio. Filed June 20, 1950.

ST

Applicant claims ownership of Registrations Nos. 49,921, 49,922, and others.
For Twist Drills, Chucks, Reamers, Taps, Dies, Milling Cutters, and Hobs.
Claims use since May 15, 1950, in its present form; since May 1, 1883, as to the representation of the shield device; and since as early as Jan. 1, 1909, as to the letters "S T Co."

Ser. No. 602,104. National Silver Company, New York, N. Y. Filed Aug. 11, 1950.



For Kitchen Knives and Butcher Knives Made of Stainless Steel.
Claims use since May 31, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 607,834. Welmaid Products, Inc., Chicago, Ill. Filed Dec. 18, 1950.

CHALLENGER

For Ironing Table Pads and Covers.
Claims use since January 1936.

Ser. No. 608,923. The Diamond Match Company, New York, N. Y. Filed Jan. 18, 1951.

GOLD MEDAL

For Clothespins.
Claims use since Dec. 26, 1950.

Ser. No. 609,088. Interstate Electric Company, New Orleans, La. Filed Jan. 22, 1951.

Solar

For Washing Machines for Laundry Purposes.
Claims use since Nov. 5, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 539,257. Bendix Aviation Corporation, Detroit, Mich., and Teterboro, N. J. Filed Oct. 28, 1947.

VAR-Φ-POWER

Applicant disclaims the word "Power."
For Electrical Test Equipment and Apparatus Which Provides a Plurality of Variable Voltage Sources at Variable Frequencies for Test Purposes.
Claims use since Mar. 22, 1946.

Ser. No. 541,490. American Meter Company, New York, N. Y. Filed Nov. 18, 1947. (Sec. 2f.)

AMERICAN

For Gas Meters and Parts of Gas Meters and Calorimeters.
Claims use since 1863.

Ser. No. 567,726. Vision Products Co., Inc., Newark, N. J. Filed Oct. 27, 1948.

flight

For Sun Glasses.
Claims use since Oct. 11, 1943.

Ser. No. 585,525. The Frederick Post Company, Chicago, Ill. Filed Sept. 29, 1949.

REFAX

For Light-Sensitive Transparent Paper for Use as Master Copy for Reproducing Engineering and Agricultural Drawings.
Claims use since Feb. 22, 1949.

Ser. No. 585,560. A. Brickman, Inc., New York, N. Y. Filed Sept. 30, 1949.

ROTOFOTO

For Small or Pocket-Size Apparatus for Demonstrating Motion Pictures Wherein a Series of Motion Pictures Appear in Rapid Succession.
Claims use since May 15, 1949.

Ser. No. 585,881. Thomas V. Paulson, doing business as Paulson Manufacturing Company, Fallbrook, Calif. Filed July 22, 1949.

Bubble — Goggle

The word "Goggle" is disclaimed.
For Goggles.
Claims use since May 4, 1948.

Ser. No. 587,737. Manning, Maxwell & Moore, Incorporated, New York, N. Y. Filed Nov. 14, 1949.

ALUMALIFE

For Cases for Gauges.
Claims use since Aug. 23, 1949.

Ser. No. 587,794. D. P. M. Productions, Inc., New York, N. Y. Filed Nov. 15, 1949.

SCENICALS

For Series of Motion Picture Films.
Claims use since Mar. 11, 1949.

Ser. No. 588,311. Marvel-Lens Industries, Inc., Philadelphia, Pa. Filed Nov. 25, 1949.

MARVEL-LENS

Applicant disclaims the word "Lens" and the pictorial representation of a lens. Applicant claims ownership of Registration No. 517,250.
For Magnifying Lenses for Television Receivers.
Claims use since June 20, 1949.

Ser. No. 598,864. Powers-Samas Accounting Machines Limited, London, England. Filed June 9, 1950.

SAMAS

Applicant claims ownership of British Registration No. 527,679, dated Dec. 7, 1931.
For Accounting Machines and Parts Thereof.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 595,668. R. Lapanouse "Rego" Uhr Ag., Bubendorf, Bale-Campagne, Switzerland. Filed Apr. 13, 1950.

CIMIER

For Watches and Parts of Watches.
Claims use since July 21, 1928, in Switzerland; and first used in commerce between Switzerland and the United States which may lawfully be regulated by Congress in November 1946.

Ser. No. 597,696. Popper Watch Co., Inc., New York, N. Y. Filed May 18, 1950.

HERALD

For Watches, Watch Movements, and Watch Cases.
Claims use since Nov. 1, 1943.

Ser. No. 598,794. Hansen Manufacturing Company, Inc., Princeton, Ind. Filed June 8, 1950.

SYNCHRON

Applicant claims ownership of Registration No. 300,804.
For Electric Clocks.
Claims use since May 20, 1929.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 570,869. National Silver Company, New York, N. Y. Filed Dec. 20, 1948.

MOSS ROSE

The use of a moss rose in the pattern of the goods is disclaimed. The word "Rose" is disclaimed.
For Silverplated Flatware.
Claims use since Nov. 17, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 597,951. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed May 23, 1950.

Arlton

Applicant claims ownership of Registration No. 274,661.
For Toothbrushes.
Claims use since December 1936.

Ser. No. 598,337. C. G. Winans Company, Newark, N. J. Filed May 29, 1950.

WINBRUSH

For Household Brooms.
Claims use since Dec. 16, 1949.

Ser. No. 598,338. C. G. Winans Company, Newark, N. J. Filed May 29, 1950.

WINCORN

For Household Brooms.
Claims use since Dec. 16, 1949.

Ser. No. 598,341. C. G. Winans Company, Newark, N. J. Filed May 29, 1950.

WINWARE

For Warehouse Brooms.
Claims use since Dec. 16, 1949.

Ser. No. 600,095. Victoria-Vogue, Inc., New York, N. Y. Filed June 30, 1950.

Primpuffs

For Powder Puffs.
Claims use since June 28, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 520,769. Reynolds-Shaffer Co., Detroit, Mich. Original filed, act of 1905, Apr. 15, 1947; amended to application under act of 1946, Principal Register, Nov. 8, 1950.

Ball-o-matic

The term "Ball" is disclaimed.
For Zeolite Type Water Softening Apparatus.
Claims use since Feb. 10, 1947.

Ser. No. 588,019. Freez-Pak Corporation, New York, N. Y., assignor to Ionia Manufacturing Company, Ionia, Mich., a corporation of Michigan. Filed Nov. 18, 1949.

FREEZ-PAK

The word "Freez" is disclaimed.
For Compact Refrigerator of Such Size and Appearance as To Be Available for Use in Offices, Small Apartments, and Similar Locations.
Claims use since Sept. 15, 1949.

Ser. No. 591,609. Buildice Company, Inc., Chicago, Ill. Filed Jan. 28, 1950.

BUILDICER

For Apparatus for Creating a Thermal Reserve by Forming Ice Which Is Used Subsequently for Cooling Purposes.
Claims use since Aug. 1, 1949.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 543,740. V. M. Pilgrim, doing business as Sea Island Sails Co., West Los Angeles, Calif. Filed Dec. 8, 1947.

SEA ISLAND

For Furniture, Namely: Living Room Furniture—Namely, Lamp Tables, Coffee Tables, Chairs and Divans; Dining Room Furniture—Namely, Tables, Chairs, Buffets, and Servers; Bedroom Furniture—Namely, Beds, Bureaus, Chests, Night Stands and Chairs; Outdoor Dining and Patio Furniture—Namely, Tables, Chairs, Benches and Portable Bars; and Occasional Furniture—Namely, Tables, Bars, Stools, and Plant Stands.
Claims use since Feb. 1, 1945.

Ser. No. 568,079. Sure-Fit Products Company, Bethlehem, Pa. Filed Nov. 2, 1948.

FORMIT

For Ready-Made Slip Covers for Furniture.
Claims use since Oct. 7, 1948.

Ser. No. 580,476. Melville E. Foster, Minneapolis, Minn. Filed June 15, 1949.

ROLLAFAX

For Mountings or Frames for Retaining Rolled Charts
Claims use since Nov. 15, 1948.

Ser. No. 587,476. Gold Star Mattress, Inc., Providence, R. I. Filed Nov. 8, 1949.

ESQUIRE

For Mattresses, Box Springs, and Studio Couches.
Claims use since Apr. 9, 1949.

Ser. No. 590,164. Kroehler Manufacturing Company, Naperville, Ill. Filed Dec. 30, 1949.

DAVENETTE

Applicant claims ownership of Registration No. 75,839.
For Upholstered Davenport Bed.
Claims use since Oct. 19, 1949.

Ser. No. 593,604. Micron Machine Corporation, New York, N. Y. Filed Mar. 8, 1950.

ARM EASE

The word "Arm" is disclaimed.
For Collapsible, Portable Arm Rest for Use in Automobiles, Airplanes, Boats, Offices, Homes, and Other Suitable Places.
Claims use since Oct. 26, 1949.

Ser. No. 595,361. Decorative Cabinet Corp., doing business under the name and style of E-Z-Do, New York, N. Y. Filed Apr. 7, 1950.

BRIC-A-RAK

The word "Rak" is disclaimed. Applicant claims ownership of Registration No. 305,208.
For Shadow Boxes and Wall Bric-a-Brac Shelves.
Claims use since Feb. 24, 1950.

Ser. No. 595,882. The Englander Company, Inc., Chicago, Ill. Filed Apr. 18, 1950.

THE DUROBILT

For Mattresses and Box Springs.
Claims use since Aug. 14, 1938.

Ser. No. 597,116. Aluminum Products, Incorporated, Fort Lauderdale, Fla. Filed May 9, 1950.

BIG BOY

For Folding Seats in the Nature of Furniture.
Claims use since Mar. 3, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 600,904. Motor Wheel Corporation, Lansing, Mich. Filed July 19, 1950.

DUO-THERM

Applicant claims ownership of Registrations Nos. 332,330 and 425,512.
For Oil Burning Space Heaters, Gas Burning Space Heaters, Oil Burning Basement and Floor Furnaces, Gas Burning Floor Furnaces, Oil Burning Water Heaters, Gas Burning Water Heaters, Draft Regulators, Blowers, and Humidifiers.
Claims use on oil burning space heaters since June 18, 1935; on gas burning space heaters since Sept. 1, 1949; on oil burning basement and floor furnaces since Aug. 29, 1936; on gas burning floor furnaces since June 1, 1950; on oil burning water heaters since Dec. 23, 1935; on gas burning water heaters since Nov. 22, 1946; on draft regulators since Nov. 22, 1946; on blowers since Sept. 24, 1940; and on humidifiers since Mar. 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 576,680. Avica Corporation, Portsmouth, R. I., by change of name from Avico Incorporated. Filed Apr. 6, 1949.

AVICO

For Flexible Hose Assemblies Comprising Hose, Flexible Pipe, and Associated Fittings for All Aviation and Industrial Applications.
Claims use since Dec. 31, 1947.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 572,885. Elbern H. Alkire, doing business as Eddie H. Alkire, Easton, Pa. Filed Jan. 27, 1949.

EHARP

For Ten-Stringed Steel Guitars, Steel Guitar Strings and Steels.
Claims use since July 15, 1941.

Ser. No. 592,720. The Parlophone Company Limited, Hayes, England. Filed Feb. 18, 1950.

ODEON

Applicant claims ownership of British Registration No. 501,705, dated Apr. 11, 1929, renewed Apr. 11, 1943.
For Phonograph Records.

Ser. No. 593,020. Schroeder Piano Galleries, Pittsburgh, Pa. Filed Feb. 24, 1950. (Sec. 2f.)

SCHROEDER

For Pianos.
Claims use since November 1909.

CLASS 37

PAPER AND STATIONERY

Ser. No. 528,229. Quality Park Envelope Company, St. Paul, Minn. Filed July 9, 1947. (Sec. 2f.)

Leatheroid

The words "Quality Park Env. Co." are disclaimed.
For Paper File Pockets and Paper Wallets.
Claims use since Oct. 4, 1926.

Ser. No. 555,904. Legal Stationery Co., Inc., New York, N. Y. Filed Oct. 11, 1947. (Sec. 2f.)

BARCLAY

Applicant claims ownership of Registration No. 334,255.
For Ruled Legal Cap Paper.
Claims use since Apr. 5, 1933.

Ser. No. 557,065. Herbert W. Pusheck, doing business as Abana Products, Chicago, Ill. Filed May 14, 1948.

ABANA

For Wrapping Paper, and Envelopes for Mailing and Correspondence.
Claims use since January 1938.

Ser. No. 572,792. Eagle Pencil Company, New York, N. Y. Filed Jan. 6, 1949. (Sec. 2f.)

BRIDGE

Applicant claims ownership of Registration No. 251,921.
For Lead Pencils.
Claims use since 1926.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 565,847. Josephine C. Trust, Los Angeles, Calif. Filed Sept. 3, 1948.

SUPERET

For Circulars, Pamphlets, Booklets, and Books Issued in a Series.
Claims use since 1925.

Ser. No. 596,331. Crosley Broadcasting Corporation, Cincinnati, Ohio. Filed Apr. 26, 1950.

TEL-A-DIAL

For Sliding Charts for Indicating the Date, Time and Name of Radio and Television Programs, Issued Weekly.
Claims use since Mar. 23, 1950.

CLASS 39

CLOTHING

Ser. No. 529,025. Good Luck Glove Company, Carbondale, Ill. Filed July 21, 1947. (Sec. 2f.)

STURDY

For Fabric Work Gloves.
Claims use since August 1932.

Ser. No. 535,717. Laros Textiles Company, Bethlehem, Pa. Filed Sept. 25, 1947. (Sec. 2f.)



Applicant claims ownership of Registration No. 407,123.
For Ladies' Undergarments—Namely, Woven Underwear and Slips.
Claims use since May 15, 1942.

Ser. No. 542,361. Spur Knitting Mills Inc., New York, N. Y. Filed Nov. 25, 1947.

A Spur CREATION

The words "A Creation" are disclaimed. Applicant claims ownership of Registration No. 388,547.
For Ladies', Misses', Children's, Infants', and Juniors' Sweaters; and Knitted Pantie Suits for Infants and Children.
Claims use since January 1942.

Ser. No. 549,318. Hofheimer's, Inc., Norfolk, Va. Filed Sept. 23, 1947. (Sec. 2f.)

TRU-SHAPE

For Men's, Women's, and Children's Shoes Made of Leather, Rubber, Canvas, or Any Combination of Same.
Claims use since May 7, 1923.

Ser. No. 552,374. William Hahn & Company, Washington, D. C. Filed Dec. 29, 1947. (Sec. 2f.)

CARLTON

Applicant claims ownership of Registration No. 260,405.
For Men's, Women's, and Children's Shoes of Leather and Leather and Fabric.
Claims use since March 1928.

Ser. No. 552,378. William Hahn & Company, Washington, D. C. Filed Dec. 29, 1947. (Sec. 2f.)



The words "Right in Shape Quality and Price," "Shoes," "Sold Only by Wm. Hahn & Company," and the representation of a shoe sole are disclaimed. The picture of the girl is fanciful. Applicant claims ownership of Registration No. 58,644.

For Men's, Women's, and Children's Boots and Shoes of Leather.

Claims use since July 1, 1905.

Ser. No. 556,545. Belk's Buying Service, Incorporated, Charlotte, N. C. Filed May 8, 1948.

The Southerner

For Men's Dress Shoes.

Claims use since Feb. 27, 1948.

Ser. No. 557,522. Goodyear Rubber Company, Middletown, Conn. Filed May 21, 1948. (Sec. 2f.)

YORKTOWN

For Rubber Boots, Pacs, Overshoes, Novelty Gaiters, Shoes, and Combination Rubber and Canvas Shoes for Use by Men, Women, and Children.

Claims use since 1932.

Ser. No. 558,812. S. Rudofker's Sons, Inc., Philadelphia, Pa. Filed June 9, 1948.

T
RUDO
X

Applicant disclaims the word "Tux."

For Boys', Youths', and Men's Coats, Pants, Vests, and Suits for Formal Wear.

Claims use since June 1, 1923.

Ser. No. 565,259. Given Bros. Shoe Co., El Paso, Tex., assignee of Given Bros. Shoe Co., Ltd. Filed Sept. 16, 1948.

TIMES SQUARE

For Men's and Boys' Shoes Made Principally of Leather.

Claims use since August 1931.

Ser. No. 567,827. H. A. Satin & Co., Chicago, Ill. Filed Sept. 16, 1948.

CO-ZIP

The representation of a slide fastener is disclaimed.

For Women's Dresses.

Claims use since Nov. 6, 1947.

Ser. No. 568,190. Martha P. Hiestand, doing business under the firm name of The Handcraft Company, Princeton, Wis. Filed Nov. 4, 1948.

Mocasox

The word is "Mocasox."

For Combined Socks and Slippers for Men, Women and Children.

Claims use since July 1941.

Ser. No. 568,251. Rena Bell Hardman, Los Angeles, Calif. Filed Nov. 5, 1948.

DRIZZLE-BOOT

The word "Boot" is disclaimed.

For Overshoes.

Claims use since Jan. 16, 1948.

Ser. No. 568,378. Klinkerfues Mfg. Co., St. Paul, Minn. Filed Nov. 8, 1948. (Sec. 2f.)

North Country

Applicant claims ownership of Registration No. 403,136.

For Men's, Women's, and Children's Outer Wear Garments—Namely, Woolen and Textile Mackinaws, Woolen Cossack Jackets, Woolen Flannel Shirts, Woolen Railroad Coats, Reversible Coats, Gabardine and Poplin Jackets, and Snow and Ski-Suits, and Woolen and Gabardine Trousers.

Claims use since January 1922.

Ser. No. 570,940. Barbizon Corporation, New York, N. Y. Filed Dec. 22, 1948.

SUNSET BLUE

The word "Blue" is disclaimed.

For Ladies' Slips and Nightgowns, Lounging and Bath Robes.

Claims use since Oct. 28, 1948.

Ser. No. 571,350. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Filed Dec. 30, 1948.

PREMIER

For Men's and Boys' Shoes Made of Fabric, Rubber, and Rubber Composition or Combinations Thereof.

Claims use since Sept. 12, 1922.

Ser. No. 573,337. Rogen Manufacturing Co., Inc., New York, N. Y. Filed Feb. 4, 1949.



The picture of the girl's head is fanciful.

For Slips, Panties, Pajamas, Nightgowns, Robes.

Claims use since October 1946.

Ser. No. 573,718. Gustave Incorporated, New York, N. Y. Filed Feb. 11, 1949.

Gustave
FIFTH AVENUE

The words "Fifth Avenue" are disclaimed. Applicant claims ownership of Registration No. 417,810.

For Slipper Socks, Booties, Indoor and Outdoor Sandals for Men, Women, and Children.

Claims use since Jan. 3, 1946.

Ser. No. 575,094. A. Sagner's Son, Baltimore, Md. Filed Mar. 8, 1949.

North Aire

For Men's Suits, Sport Coats, Trousers, Outer Shirts, and Slacks.

Claims use since Feb. 23, 1949.

Ser. No. 575,192. Champion Pants Mfg. Co., Inc., New York, N. Y. Filed Mar. 10, 1949.

"ZIPOCKET"

For Slacks for the Use of Men and Boys.

Claims use since Oct. 3, 1948.

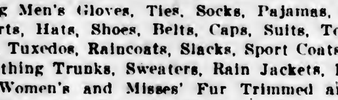
Ser. No. 575,933. Shoe Corporation of America, Columbus, Ohio. Filed Mar. 23, 1949.

Dream Step

For Women's and Children's Shoes and Hosiery.

Claims use since Jan. 21, 1949.

Ser. No. 577,089. American Girl Shoe Co., Boston, Mass., assignor to Majestic Shoe Corporation, Lawrence, Mass., a corporation of Massachusetts. Filed Apr. 14, 1949. (Sec. 2f.)



The drawing is lined for the color red. Applicant claims ownership of Registration No. 413,357.

For Misses' and Children's Shoes of Leather, Rubber, Fabrics, or Combinations Thereof.

Claims use since Feb. 21, 1944.

Ser. No. 578,655. Albert H. Weinbrenner Co., Milwaukee, Wis. Filed May 11, 1949.



For Men's Work Shoes Made Principally of Leather.

Claims use since Apr. 4, 1949.

Ser. No. 580,570. Barlo Shoe Company, Cincinnati, Ohio. Filed June 16, 1949.

Patsy AND Bobby

For Shoes of Leather, Fabric, or Composition Material, for Men's, Women's, and Children's Wear.

Claims use since July 1, 1947.

Ser. No. 580,897. Miller and Rhoads, Incorporated, Richmond, Va. Filed June 22, 1949. (Sec. 2f.)

THE SHOPPING CENTER

For Wearing Apparel for Men, Women, and Children, Comprising Men's Gloves, Ties, Socks, Pajamas, Underwear, Shirts, Hats, Shoes, Belts, Caps, Suits, Topcoats, Overcoats, Tuxedos, Raincoats, Slacks, Sport Coats, Sport Shirts, Bathing Trunks, Sweaters, Rain Jackets, Leather Jackets; Women's and Misses' Fur Trimmed and Untrimmed Coats, Fur Scarves and Capes, Suits, Corsets, Brassières, Girdles, Dresses, Slips, Nightgowns, Panties, Bed Jackets, Robes, Negligees, Sweaters, Skirts, Jackets, Blouses, Scarves, Bathing Suits, Beachwear, Shoes,

Gloves, Hosiery, Hats, Handkerchiefs; Children's Socks, Underclothes, Dresses, Coats, Play Clothes, Snow Suits, Shoes, Boys' Suits, Overcoats, Shirts, Socks, Underwear, Ties, Sweaters, Slacks, and Sport Coats.
Claims use since April 1917.

Ser. No. 581,706. H. H. Brown Shoe Co., Inc., Worcester, Mass. Filed July 9, 1949.



Applicant claims ownership of Registration No. 50,962.
For Men's and Boys' Shoes.
Claims use since Nov. 28, 1904.

Ser. No. 582,405. Best & Co. Inc., New York, N. Y. Filed July 1, 1949. (Sec. 2f.)

BEST'S

BABY-MOC

No claim is made to the words "Baby-Moc." Applicant claims ownership of Registration No. 349,742.
For Children's Shoes.
Claims use since May 27, 1936.

Ser. No. 583,101. Louis Lewin & Sons, Inc., Chicago, Ill., and Clinton, Ind. Filed Aug. 6, 1949.

RANCHERO

For Men's, Women's, Boys', and Girls' Overalls.
Claims use since Jan. 1, 1928.

Ser. No. 583,822. Siceloff Manufacturing Company, Inc., Lexington, N. C. Filed Aug. 22, 1949.



The drawing is lined for red and blue. The words "Work Clothes" and "Siceloff Mfg. Co." are disclaimed. Applicant claims ownership of Registration No. 358,253.
For Overalls, Dungarees, Work Pants, Work Shirts, Sport Shirts, Work Coats, Work Jackets, Children's Overalls, Dungarees, and Outer Shirts, and Little Girls', Girls', and Ladies' Dungarees.
Claims use since Jan. 1, 1944, on the mark as shown; and since June 1, 1935, on the words "Big Dad."

Ser. No. 583,825. Siceloff Manufacturing Company, Inc., Lexington, N. C. Filed Aug. 22, 1949.



The words "Work Clothes," "Like Dad's" and "Siceloff Mfg. Co." are disclaimed. The drawing is lined to indicate red and blue. Applicant claims ownership of Registration No. 413,697.
For Overalls, Dungarees, Work Pants, Work Shirts, Sport Shirts, Work Coats, Work Jackets, Children's Overalls, Dungarees, and Outer Shirts, and Little Girls', Girls', and Ladies' Dungarees.
Claims use since Oct. 26, 1944.

Ser. No. 587,166. Adam Hat Stores, Inc., New York, N. Y. Filed Nov. 2, 1949.

the TOROKU

For Men's Hats.
Claims use since Oct. 21, 1949.

Ser. No. 587,949. Hess-Taylor Company, Inc., New York, N. Y. Filed Nov. 17, 1949.

CANTATA

For Ladies' and Misses' Hosiery.
Claims use since May 2, 1949.

Ser. No. 588,072. Young Knitting Mills Co., Inc., Glendale, N. Y. Filed Nov. 18, 1949. (Sec. 2f.)

Drummond Sportswear DJ

The word "Sportswear" is disclaimed. Applicant claims ownership of Registration No. 394,645.
For Men's, Women's, Boys', Girls', and Infants' Sweaters, Dresses, and Jackets.
Claims use since Feb. 13, 1941.

Ser. No. 588,313. The Middlshade Company, Inc., Philadelphia, Pa. Filed Nov. 25, 1949.

Middi-Slax

The word "Slax" is disclaimed. Applicant claims ownership of Registrations Nos. 231,278, 231,882, and 516,543.
For Men's and Boys' Trousers and Slacks.
Claims use since July 25, 1949.

Ser. No. 588,401. Spiegel, Inc., Chicago, Ill. Filed Nov. 26, 1948.

feature-fit

The word "Fit" is disclaimed.
For Women's Slacks, Skirts, Blouses, Slips, Brassières, and Panties.
Claims use since July 1948.

Ser. No. 589,919. Rosenau Brothers, Inc., Philadelphia, Pa. Filed Dec. 24, 1949.

CINDERELLA'S COACH

Applicant claims ownership of Registrations Nos. 348,023, 113,431, and others.
For Children's and Girls' Dresses, Rompers, Pinafores, Play Suits, and Separate Slacks.
Claims use since Dec. 4, 1936.

Ser. No. 589,920. Rosenau Brothers, Inc., Philadelphia, Pa. Filed Dec. 24, 1949.

Cinderella Frocks

The word "Frocks" is disclaimed. Applicant claims ownership of Registrations Nos. 271,030, 332,580, and others.
For Children's and Girls' Frocks.
Claims use since June 24, 1929.

Ser. No. 591,779. Glenader Textile Corp., New York, N. Y. Original filed, act of 1946, Supplemental Register, Feb. 1, 1950; amended to application, Principal Register, Nov. 25, 1950.

MINITIES

For Scarfs, Kerchiefs, Neckties, and Ascots.
Claims use since Oct. 1, 1946.

Ser. No. 592,870. The Carltona Co., Inc., New York, N. Y. Filed Feb. 23, 1950.



The word "Knit" is disclaimed.
For Children's Apparel Made of Woven and Knitted Fabrics—Namely, Knit Creepers, Knit Suits and Knit Polo Shirts; Corduroy Shorts, Corduroy Slacks, Corduroy Overalls, Corduroy Jackets and Corduroy Suits; Garbardine Shorts, Garbardine Slacks, Garbardine Overalls, Garbardine Jackets and Garbardine Suits; Creepers, Shirts, Shorts, Slacks, Overalls, Jackets and Suits Made of Seersucker, Gingham, and Poplin.
Claims use since Apr. 21, 1947.

Ser. No. 593,520. Allied Cloth Specialties, Inc., Greenville, Ohio. Filed Mar. 7, 1950.

RUFF-KINS

For Wearing Apparel for Men, Women, and Children Namely, Shirts, Shorts, Slacks, Skirts, Jackets, and Gym Suits.
Claims use since Feb. 22, 1950.

Ser. No. 593,555. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 7, 1950. (Sec. 2f.)

Allendale

For Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties.
Claims use since May 26, 1938.

Ser. No. 594,331. Pool Manufacturing Company, Sherman, Tex. Filed Mar. 21, 1950. (Sec. 2f.)

Pool's

Applicant claims ownership of Registrations Nos. 509,273, 236,938, 306,146, 305,642, 318,389, 273,592, 267,499, 269,366, and 315,245.
For Dress Shirts, Overalls, Jumpers, Jackets, Dress Pants, Sport Shirts, Work Pants, Work Shirts, and One-Piece Work Suits for Men and Boys.
Claims use since January 1924.

Ser. No. 595,078. Masket Bros. Sportswear, Inc., New York, N. Y. Filed Apr. 1, 1950.

Raissa Masket

The name "Raissa Masket" is that of a relative of the president of applicant corporation and consent is filed herewith.
For Ladies' and Misses' Suits, Jackets, Skirts, Dresses, and Blouses.
Claims use since Aug. 1, 1948.

Ser. No. 595,516. San Anita Blouse, Inc., Philadelphia, Pa. Filed Apr. 10, 1950.



For Men's and Women's Blouses for Sportswear and Dress.
Claims use since Dec. 14, 1949.

Ser. No. 595,592. Boyd-Richardson Company, St. Louis, Mo. Filed Apr. 12, 1950.

THREADNEEDLE STREET

Applicant claims ownership of Registrations Nos. 320,831 and 431,391.
For Men's and Boys' Apparel—Namely, Dress Shirts and Negligee Shirts, Shoes, Hats, Suits, Coats, and Overcoats.
Claims use since July 7, 1934.

Ser. No. 595,729. William Mayer, doing business under the name H. & M. Neckwear Co., New York, N. Y. Filed Apr. 14, 1950. (Sec. 2f.)

KANT KRUSH

Applicant claims ownership of Registration No. 269,775.
For Cravats.
Claims use since Jan. 10, 1929.

Ser. No. 595,942. Hattie Carnegie Inc., New York, N. Y. Filed Apr. 19, 1950.

a la carte

For Clothing—Namely, Ladies' Dresses, Coats, Suits, Hostess Gowns, Negligees, Pajamas, Blouses, Scarfs, Beach Shorts, Bathing Suits, Slippers, Shoes, Sandals, Sport Shorts, and Robes.
Claims use since Jan. 5, 1949.

Ser. No. 596,093. Holiday Casuals, Brooklyn, N. Y. Filed Apr. 21, 1950.

Honeydebs

Applicant claims ownership of Registrations Nos. 416,727 and 418,707.
For Shoes Made of Straw and Linen Fabrics for Women and Children.
Claims use since Feb. 17, 1950.

Ser. No. 596,119. Henry Pollak, Inc., New York, N. Y. Filed Apr. 21, 1950.

OURSON

For Hat Bodies.
Claims use since Jan. 27, 1950.

Ser. No. 596,547. Aldens, Inc., Chicago, Ill. Filed Apr. 29, 1950.

ALDENDALE

Applicant claims ownership of Registrations Nos. 406,733, 405,392, 331,100, 292,207, 331,000, and 389,319.
For Women's and Misses' Wearing Apparel—Namely, Coats, Scarfcoats, Raincoats, Suits, Dresses, Knit Sweaters, Skirts, Jumpers, Slacks, Jeans, Jackets, Toppers, Berets, Hats, Scarfs, Stocking Caps, Handkerchiefs, Hoods, Muffs, Leather and Knit Gloves and Mittens; Leather, Cloth and Metal Belts; Shoes of Leather, Rubber, and Fabric and Combinations of the Same; Jodhpurs, Leather Boots, Leather Mocs, Slipper Sox of Leather and Wool, Rubbers, Gaiters, Galoshes, Garter Belts, Slips, Petticoats, Nightgowns, Bath Robes, Lounging Robes, Dressing Robes, Hosiery, Foundation Garments, Brassières, Girdles, Pantee Girdles, and Corsets.
Claims use since Mar. 1, 1950.

Ser. No. 596,694. John B. Stetson Company, Philadelphia, Pa. Filed May 1, 1950.

TIJUANA

For Hats and Caps for Men, Women, and Children.
Claims use since Apr. 26, 1950.

Ser. No. 597,138. Dutchess Underwear Corporation, New York, N. Y. Filed May 9, 1950. (Sec. 2f.)

Cutofit

Applicant claims ownership of Registration No. 276,683.
For Ladies' Wearing Apparel—Namely, Underwear, Pajamas, Nightgowns, Slips, Petticoats, Bloomers, Vests, Panties, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-Ins in Combination, and Brassières.
Claims use since July 10, 1929.

Ser. No. 597,427. Zaun Garment Corp., New York, N. Y. Filed May 13, 1950.

Teen City FASHION

The words "Teen" and "Fashion" are disclaimed. The drawing is lined for shading only.
For Teenage Girls' Dresses, Skirts, and Blouses.
Claims use since Apr. 6, 1950.

Ser. No. 597,688. R. Lowenbaum Manufacturing Company, St. Louis, Mo. Filed May 18, 1950.

"Anticipator"

For Women's, Misses', and Junior Misses' Dresses.
Claims use since September 1942.

Ser. No. 598,681. J. Schoeneman, Inc., Baltimore, Md. Filed June 6, 1950. (Sec. 2f.)

DUBLIN NUBS

Applicant claims ownership of Registration No. 276,900.
For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since July 15, 1929.

Ser. No. 598,903. Federated Department Stores, Inc., Cincinnati, Ohio. Filed June 10, 1950. (Sec. 2f.)

Fielder

Applicant claims ownership of Registration No. 185,034.
For Leather and Fabric Gloves, and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1911.

Ser. No. 599,236. Frank-Cerf, Inc., New York, N. Y. Filed June 16, 1950.

Half Notes

half notes

For Ladies' Suits, Coats, and Skirts.
Claims use since Dec. 12, 1949.

Ser. No. 599,349. Susan Fashions, Inc., New York, N. Y. Filed June 17, 1950.

Bagels and Lox Coat

The word "Coat" is disclaimed.
For Coats and Suits for Girls and Women.
Claims use since May 1950.

Ser. No. 599,497. Cluett, Peabody & Co. Inc., Troy, N. Y. Filed June 21, 1950.

SPRINTER

Applicant claims ownership of Registration No. 182,673.
For Under Shorts for Men.
Claims use since Oct. 3, 1923.

Ser. No. 600,502. Monarch Garment Corp., New York, N. Y. Filed July 11, 1950.

VELUSHA

For Ladies' and Misses' Coats, Suits, and Dresses of Textile Fabric.
Claims use since June 12, 1950.

Ser. No. 600,733. Monarch Garment Corp., New York, N. Y. Filed July 15, 1950.

LUSHA

For Ladies' and Misses' Coats, Suits, and Dresses of Textile Fabric.
Claims use since July 5, 1950.

Ser. No. 600,806. M. Beckerman & Sons, Inc., New York, N. Y. Filed July 18, 1950.

HAPPY DEBS

For Children's and Misses' Shoes.
Claims use since April 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 563,678. Howard Tresses, Inc., New York, N. Y. Filed Aug. 18, 1948.

howard

For Hair Pieces, Made of Human Hair—Namely, Switches, Puffs, Braids, and Wigs for Personal Wear.
Claims use since Mar. 15, 1947.

Ser. No. 581,854. Beltx Corporation, St. Louis, Mo. Filed July 13, 1949.

MITT'N MINDERS

The word "Mitt'n" is disclaimed.
For Elastic Bands With Metal Clips for Attaching Mittens, Gloves, Etc. to the Sleeves or Other Portions of Outer Garments.
Claims use since Jan. 14, 1949.

Ser. No. 587,718. E-Z Thread Co., New York, N. Y. Filed Nov. 14, 1949.

Gerry Tex

The surname "Gerry" is disclaimed. Applicant claims ownership of Registration No. 510,781.
For Shoulder Pads for Garments.
Claims use since Aug. 1, 1949.

Ser. No. 592,677. S. H. Kress and Company, New York, N. Y. Filed Dec. 31, 1949.

Milady

Applicant claims ownership of Registrations Nos. 272,010 and 270,208.
For Plain Pins and Safety Pins Made of Steel, Aluminite, and Other Non-Precious Metals.
Claims use since Oct. 1, 1929.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 502,942. Boott Mills, Lowell, Mass. Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, Nov. 18, 1948. Applicant claims ownership of Registration No. 156,845.



For Towels and Piece Goods of Linen or Cotton, or Cotton Mixed With Linen Fibers.
Claims use since Mar. 1, 1926.

Ser. No. 582,439. Martin Fabrics Corporation, New York, N. Y. Filed July 23, 1949.

MARTIN-LOK

The word "Martin" is disclaimed. Applicant claims ownership of Registrations Nos. 436,165, 350,717, and 441,261.
For Textile Ribbons.
Claims use since May 25, 1949.

Ser. No. 584,724. Ely & Walker Dry Goods Company, St. Louis, Mo. Filed Sept. 12, 1949. (Sec. 2f.)

Shunwell

Applicant claims ownership of Registration No. 163,861.
For Towels and Toweling, Cotton Piece Goods, Laces and Embroideries in the Piece, and Table Damask.
Claims use since Nov. 15, 1920.

Ser. No. 585,058. Forstmann Woolen Co., Passaic, N. J. Filed Sept. 20, 1949.

ALMORA

Applicant claims ownership of Registration No. 189,127.
For Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 587,842. Anderson, Clayton & Co. (Incorporated), Houston, Tex. Filed Nov. 16, 1949.

CHAMOTEX

Applicant claims ownership of Registration No. 267,064.
For Cotton Piece Goods.
Claims use snce Aug. 1, 1929.

Ser. No. 593,902. Anglo Fabrics Company, Inc., New York, N. Y. Filed Mar. 14, 1950.

VELO-ETTE

For Woolen and Worsted Piece Goods.
Claims use since Feb. 16, 1950.

Ser. No. 595,204. Forstmann Woolen Co., Passaic, N. J. Filed Apr. 4, 1950.

VELEXA

For Woolen Piece Goods, for Making Into Ladies' Coats, Suits, and Dresses.
Claims use since Mar. 23, 1950.

Ser. No. 595,242. Becker-Welner Company, Chicago, Ill. Filed Apr. 5, 1950.

Rayve

For Millinery Supplies—Namely, Veilings, Ribbons, and Nettings.
Claims use since Feb. 15, 1950.

Ser. No. 595,357. Burlington Mills Corporation, Greensboro, N. C. Filed Apr. 7, 1950.

FROSTLEAF

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Mar. 15, 1950.

Ser. No. 595,650. Bianchini, Ferier, Inc., New York, N. Y. Filed Apr. 13, 1950.

FERALDA

For Dress Fabrics of Silk, Rayon, and of Mixtures Thereof.
Claims use since Jan. 12, 1950.

Ser. No. 595,708. Burlington Mills Corporation, Greensboro, N. C. Filed Apr. 14, 1950.

CURTAIN CALL

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Mar. 22, 1950.

Ser. No. 595,797. M. Snower & Company, Chicago, Ill. Filed Apr. 15, 1950.

SNOWFLAKE

Applicant claims ownership of Registrations Nos. 205,080 and 251,521.
For White Duck Fabrics and White Drill Fabrics, and for Towels and Towelling, and for Cotton Piece Goods.
Claims use since January 1921.

Ser. No. 595,798. M. Snower & Company, Chicago, Ill. Filed Apr. 15, 1950.

Snowflake

Applicant claims ownership of Registrations Nos. 205,080 and 251,529.
For White Duck Fabrics and White Drill Fabrics and for Towels and Towelling and for Cotton Piece Goods.
Claims use since January 1921.

Ser. No. 596,047. Pepperell Manufacturing Company, Boston, Mass. Filed Apr. 20, 1950.

Duchess

Applicant claims ownership of Registrations Nos. 341,636 and 343,670.
For Sheets, Pillowcases, and Blankets.
Claims use since June 30, 1933.

Ser. No. 596,208. Trojan Textile Corp., New York, N. Y. Filed Apr. 22, 1950.

CEANA

For Textile Fabrics—Namely, Piece Goods of Cotton, Silk, Wool, and Rayon, and Mixtures Thereof.
Claims use since Mar. 20, 1950.

Ser. No. 596,425. S. Hollander & Sons, New York, N. Y. Filed Apr. 27, 1950.

LA NOVIA BELLA

Applicant claims ownership of Registration No. 383,820.
For Veilings and Nettings in the Piece, and Silk, Cotton, and Rayon Fabrics in the Piece.
Claims use since Jan. 9, 1950.

Ser. No. 600,625. Star Embroidery Corp., Los Angeles, Calif. Filed July 13, 1950.

STARCO

For Wash Cloths, Towels, Towel Ensembles, and Toweling.
Claims use since Oct. 18, 1949.

Ser. No. 601,662. California Hand Prints, Inc., Hermosa Beach, Calif. Filed Aug. 3, 1950.

SANDSKIN

For Acetate and Rayon Combination Fabric.
Claims use since June 21, 1950.

Ser. No. 601,777. Chase Bag Company, Chicago, Ill. Filed Aug. 5, 1950.

REDI-RAPT

For Bias Sewn Burlap or Cotton Tubing.
Claims use since Aug. 13, 1940.

Ser. No. 601,935. Mayfair Mills, Arcadia, S. C. Filed Aug. 8, 1950.

UNCLE REMUS

For Cotton Piece Goods.
Claims use since June 2, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 569,277. Lifetime Tweezer Co., Inc., Los Angeles, Calif. Filed Nov. 23, 1948.

TWEEZIE

For Tweezers.
Claims use since Dec. 1, 1947.

Ser. No. 579,732. Stephan Van Boytham, Hollywood, Calif. Filed May 31, 1949.

SOLOPAK

For Individually Packaged Sterile Applicators Employed To Apply Medicaments or Other Substances to Human or Animal Bodies.
Claims use since Nov. 15, 1948.

Ser. No. 580,183. Cambridge Instrument Company, Inc., New York, N. Y. Filed June 9, 1949.

SIMPLI-SCRIBE

No claim is made to the word "Scribe."
For Electrocardiograph.
Claims use since Jan. 5, 1949.

Ser. No. 584,014. Ritter Company, Inc., Rochester, N. Y. Filed Aug. 25, 1949.

Ritter

Applicant claims ownership of Registration No. 212,833.
For Dental, Medical, and Surgical Appliances Comprising Foot and Motor Pump Chairs, Stools, Equipment Stands, Dental and Bone Surgery Engines, Operating and Spot Lights, Cuspidors, Syringes and Spray Bottles, Cauteries, Pulp Testers, Mouth Lamps and Mirrors, Examination and Treatment Tables, Sterilizers, X-ray Machines and Accessories, Air Compressors, Rotary Converters and Lathes.
Claims use since 1919.

Ser. No. 590,363. Hal-Hen Company, New York, N. Y. Filed Jan. 5, 1950.



The representation of a hearing aid cord is disclaimed. The mark comprises a hearing aid cord and plugs illustration arranged in a circular design along its perimeter and simulating the letters "H H."
For Hearing Aid Receiver Cords and Hearing Aid Receiver Cord Checkers, Consisting of Metal Boxes Containing Meters Showing the Amount of Electricity Flowing Through the Hearing Aid Receiver Cord.
Claims use since Nov. 22, 1949.

Ser. No. 591,096. Stanley F. Lundgren, doing business as Op-Pro, Inc., Minneapolis, Minn. Filed Jan. 19, 1950.

OP-PRO

For Dental Mirrors.
Claims use since Dec. 7, 1949.

Ser. No. 594,116. Gendron Wheel Company, Perrysburg, Ohio. Filed Mar. 17, 1950.

Continental

For Invalid Folding Wheel Chairs.
Claims use since Jan. 4, 1950.

Ser. No. 595,296. American Cystoscope Makers, Inc., New York, N. Y. Filed Apr. 6, 1950. (Sec. 2f.)

WAPPLER

Applicant claims ownership of Registration No. 328,201.
For Otoscopes and Components Thereof.
Claims use since 1916.

Ser. No. 598,161. Commercial Laboratories, Inc., Newark, N. Y. Filed May 26, 1950.

Radelle

Applicant claims ownership of Registrations Nos. 516,621 and 525,048.
For Kit for Use in Home Permanent Wave, Containing Home Permanent Wave Lotion, Neutralizer, Curlers, Instruction Sheets, and Other Articles for Use in Connection With the Wave.
Claims use since Aug. 19, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 599,846. William H. Seaver, New Brunswick, N. J. Filed June 27, 1950.



The word "Mint" is disclaimed.
For Non-Alcoholic Maltless Soft Drinks, and Extracts and Syrups for Making Soft Drinks.
Claims use since Apr. 3, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 504,467. Bercut-Richards Packing Co., Sacramento, Calif. Original filed, act of 1905, June 24, 1946; amended to application under act of 1946, Principal Register, Nov. 10, 1947. (Sec. 2f as to the word "Sacramento.")



The phrase "From the Heart of California" and the word "Brand" are disclaimed. Applicant claims ownership of Registrations Nos. 305,311, 377,872, 404,338, 528,032, and 518,112.
For Canned Vegetables and Canned Vegetable Juices for Food Purposes.
Claims use since Mar. 1, 1946, as shown; and since June 17, 1932, as to the word "Sacramento."

Ser. No. 521,261. Shari Candies, Inc., North Mankato, Minn., assignee of Key City Wholesale Supply Company. Original filed, act of 1905, Apr. 24, 1947; amended to application under act of 1946, Principal Register, Nov. 21, 1949.

Shari

For Candies and Nut Meats.
Claims use since Apr. 1, 1946.

Ser. No. 536,174. Texas Mill & Elevator Co., Abilene, Tex. Filed Sept. 29, 1947.



The slogan "A Punch in Every Pound" is disclaimed.
For Feeds for Poultry.
Claims use since Sept. 15, 1947.

Ser. No. 542,529. Booth Fisheries Corporation, Chicago, Ill. Filed Nov. 28, 1947.

BOFISCO

Applicant claims ownership of Registration No. 110,065.
For Fresh and Salted Fish.
Claims use since November 1914.

Ser. No. 543,721. King Company, La Jolla, Calif. Filed Dec. 8, 1947.

FANCY PANTRY

For Cheese, Canned Herring in Cream Sauce, Cheese Sauce, Mushroom Sauce, Mint Sauce, Meat Sauce, Barbecue Sauce, Date Sauce, Tartar Sauce, Spices, Candies, Jams, Jellies, Canned Fruits, Brandied Fruits, Dried Fruits, Candied Fruits, and Shelled Nuts in Candied, Salted, Sugared and Spiced Condition.
Claims use since Apr. 5, 1946.

Ser. No. 546,175. The Bama Company, doing business under the name of Houston Foods, Birmingham, Ala. Filed Jan. 5, 1948.

EVERY DAY

For Fruit Preserves, Jams, Jellies, Honey, Apple Butter, Peanut Butter, Mayonnaise, Salad Dressing, and Relish Spread.
Claims use since Mar. 1, 1940.

Ser. No. 548,225. Algarve Exportador, Lda., Lisbon, Portugal. Filed Jan. 29, 1948.



For Canned Anchovies.
First used on Nov. 28, 1947; and first used in commerce among the several States which may lawfully be regulated by Congress on Nov. 28, 1947.

Ser. No. 551,907. Anna Myers Pure Foods, Inc., doing business as Garfield Preserving Co., Garfield, N. J. Filed Mar. 13, 1948.

Garland Farms

The word "Farms" is disclaimed.
For Pickles, Marmalade, and Jam.
Claims use since Oct. 15, 1947.

Ser. No. 561,646. Swissrose Inc., New York, N. Y. Filed July 17, 1948.



The word "Swiss" is disclaimed. The drawing is lined for the colors red and blue.
For Cheese.
Claims use since June 30, 1948.

Ser. No. 562,023. William A. Beauchemin, Newburyport, Mass. Filed July 23, 1948.

FAMILY TREET

For Salted Popcorn.
Claims use since Oct. 30, 1946.

Ser. No. 563,131. Pennant Farms, Arvin, Calif. Filed Aug. 10, 1948.



The drawing is lined for the colors blue and gold.
For Fresh Potatoes.
Claims use since May 26, 1948.

Ser. No. 564,783. Orpro Food Products Company, Inc., Los Angeles, Calif. Filed Sept. 7, 1948.

ORPRO

The drawing is lined for green.
For Concentrated Apples for Use in Making Food Beverages and Concentrated Apples With Added Vitamins for Use in Making Food Beverages.
Claims use since Sept. 15, 1932.

Ser. No. 567,038. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Oct. 15, 1948.

BRIGADE

For Canned Crab Meat.
Claims use since June 14, 1948.

Ser. No. 567,043. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Oct. 15, 1948.

STAR BOAT

For Canned Fish.
Claims use since Aug. 17, 1948.

Ser. No. 567,044. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Oct. 15, 1948.

TEMPEST

The picture is fanciful.
For Canned Fish.
Claims use since July 3, 1948.

Ser. No. 567,657. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Oct. 26, 1948.

Westfair

The stippling represents shading.
For Canned Apple Juice.
Claims use since Oct. 4, 1948.

Ser. No. 575,090. Pikle-Rite Company, Inc., Pulaski, Wis. Filed Mar. 8, 1949. (Sec. 2f.)

KRAKOWSKIE

The drawing is lined for red. Applicant claims ownership of Registration No. 386,197.
For Bottled Cucumber Pickles.
Claims use since September 1939.

Ser. No. 580,992. Java Food Products, Inc., Jersey City, N. J. Filed June 24, 1949.

JAVA WINGS

The word "Java" is disclaimed.
For Cocktail Wafers or Crackers.
Claims use since Jan. 1, 1948.

Ser. No. 581,534. Peter Mayol, Homestead, Fla. Filed July 5, 1949.

BUDDY LEA CREST

For Fresh Limes.
Claims use since June 7, 1949.

Ser. No. 584,004. Java Food Products, Inc., Jersey City, N. J. Filed Aug. 25, 1949.

JAVA WINGS WONDER CHIPS

The words "Java" and "Chips" are disclaimed.
For Raw Dehydrated Chips Made of Farinaceous Material With Flavoring and Coloring and Adapted To Be Fired or Baked To Form Cocktail Wafers or Crackers.
Claims use since Jan. 1, 1948.

Ser. No. 588,052. Suffolk Oil Mill, Incorporated, Suffolk, Va. Filed Nov. 18, 1949.

SOMILLO

Applicant claims ownership of Registration No. 325,983.
For Edible Peanut Oil.
Claims use since Aug. 15, 1948.

Ser. No. 594,799. Ma Skettlno's Spagetti Sauce, Scranton, Pa. Filed Mar. 28, 1950. (Sec. 2f.)

Ma Skettino's

For Spaghetti Sauce.
Claims use since Mar. 1, 1939.

Ser. No. 595,917. Alfred Schratter, doing business under the name of The Schratter Import Co., New York, N. Y. Filed Apr. 18, 1950.

The representation of the boy in the drawing is fanciful. The word "Camembert" is disclaimed.
For Cheese.
Claims use since 1934.

Ser. No. 598,603. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed June 5, 1950.

Nor'West

For Canned Oysters.
Claims use since Oct. 19, 1949.

Ser. No. 598,899. Duffy-Mott Company, Inc., New York, N. Y. Filed June 10, 1950.

pom-etts

For Apple Dessert—Namely, Canned Pieces of Apples.
Claims use since Nov. 1, 1949.

Ser. No. 599,130. Helge Vagn Svendsen, Copenhagen, Denmark. Filed June 14, 1950.

DANLICIOUS

Right of priority is claimed under Sec. 44(d). Danish application S. N. 25—1950, dated Dec. 14, 1949. Registration No. 25—1950, dated Jan. 7, 1950.
For Liver Paste en Croûte.

Ser. No. 599,260. The Rath Packing Company, Waterloo, Iowa. Filed June 16, 1950.

KORN LAND

Applicant claims ownership of Registrations Nos. 377,209 and 244,591.
For Bacon.
Claims use since May 16, 1950, as to the mark shown; and since Sept. 21, 1936, as to "Korn Land."

Ser. No. 599,465. Mrs. Tucker's Foods, Inc., Sherman, Tex. Filed June 20, 1950. (Sec. 2f.)

Mrs. Tucker's

Applicant claims ownership of Registrations Nos. 367,965 and 133,999.
For Oleomargarine, Vegetable Oil Shortening, and Cottonseed Oil for Salad and Cooking Purposes.
Claims use since Aug. 15, 1913.

Ser. No. 599,648. Northfield Milk Products Company, Northfield, Minn. Filed June 23, 1950. (Sec. 2f.)

Northfield

Applicant claims ownership of Registration No. 139,465.
For Evaporated Milk.
Claims use since Nov. 17, 1917.

Ser. No. 602,181. Youngstown Grape Distributors, Reedley, Calif. Filed Aug. 14, 1950.

ORCHID

Applicant claims ownership of Registration No. 319,292.
For Fresh Deciduous Fruits and Fresh Grapes.
Claims use since Apr. 22, 1921.

CLASS 47

WINES

Ser. No. 537,940. Schenley Distillers Corporation, doing business as Triangle Vineyards, New York, N. Y., and Fresno, Calif., now by change of name Schenley Industries, Inc., doing business as Triangle Vineyards, a corporation of Delaware. Filed Oct. 15, 1947.

TRIANGLE

Applicant claims ownership of Registration No. 314,444.
For Wines.
Claims use since Mar. 28, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 577,871. Diego Zamora Conesa, San Antonio Abad-Cartagena, Spain. Filed Apr. 28, 1949.

43

Applicant claims ownership of Spanish Registration No. 98,876, dated Sept. 26, 1934.
For Liqueur.

Ser. No. 585,409. Wine Growers Guild, Lodi, Calif. Filed Sept. 27, 1949.

OLD ACQUAINTANCE

The word "Old" is disclaimed.
For Brandy.
Claims use since Sept. 13, 1949.

Ser. No. 599,122. Ste. Pierre Smirnoff, Fils, Inc., Hartford, Conn. Filed June 14, 1950.

KISSABLE KOLA

The word "Kola" is disclaimed.
For Alcoholic Beverage Containing Vodka, Cola, and Lime Juice.
Claims use since May 4, 1950.

Ser. No. 600,248. The American Distilling Company, Pekin, Ill., and New York, N. Y. Filed July 6, 1950. (Sec. 2f.)

EVERCLEAR

Applicant claims ownership of Registrations Nos. 315,961 and 317,130.
For Grain or Ethyl Alcohol for Beverage Purposes.
Claims use since Nov. 1, 1917.

Ser. No. 603,423. Hiram Walker & Sons, Inc., Detroit, Mich., and Peoria, Ill. Filed Sept. 11, 1950.

RIMSKI

For Vodka.
Claims use since May 3, 1950.

CLASS 51
COSMETICS AND TOILET PREPARATIONS

Ser. No. 557,468. Marius Rotwitt, Copenhagen, Denmark. Filed May 20, 1948.

„Vasenol"

Applicant claims ownership of Danish Registration No. 316—1910, dated July 9, 1910.
For Cosmetic Preparations—Namely, Baby Powder, Body Powder, and Foot Powder.

Ser. No. 562,646. Lip-On Company, Inc., New York, N. Y. Filed Aug. 2, 1948.



The drawing is lined for the color red. The word "Lip" is disclaimed.
For Cosmetic Products—Namely, a Fixative for Rouge.
Claims use since June 22, 1948.

Ser. No. 568,737. Lancome, S. A., Paris, France. Filed Nov. 13, 1948.

TROPIQUES

Applicant claims ownership of French Registration No. 368,222, dated June 20, 1946.
For Perfumes, Toilet Waters, Rouges, Brilliantine, Skin Lotions, and Lipsticks.

Ser. No. 572,985. Lucien Lelong, Inc., Chicago, Ill. Filed Jan. 28, 1949.

Travel Pac

For Colognes.
Claims use since October 1936.

Ser. No. 576,046. J. Del Russo, Inc., New York, N. Y. Filed Mar. 25, 1949.

VIDEOGENIC

For Lipstick, Powder, Powder Base, Rouge, Eye Shadow, Shading Cream, Mascara.
Claims use since Mar. 18, 1949.

Ser. No. 577,526. Edouard Perfume Company, Inc., Cleveland, Ohio. Filed Apr. 22, 1949.

Edouard

For Perfume.
Claims use since Feb. 10, 1948.

Ser. No. 579,394. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed May 24, 1949.

PIGEON RUBY

The word "Ruby" is disclaimed.
For Nail Lacquer and Lipstick.
Claims use since May 12, 1949.

Ser. No. 579,395. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed May 24, 1949.

CHINESE LILY

For Lipstick and Nail Lacquer.
Claims use since May 12, 1949.

Ser. No. 586,590. Charles of the Ritz, Inc., New York, N. Y. Filed Oct. 20, 1949.

TALISMAN

Applicant claims ownership of Registration No. 284,554.
For Lipstick and Rouge, and Refills Therefor.
Claims use since Sept. 28, 1944.

Ser. No. 587,243. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Nov. 3, 1949.

CHINA ROSE

For Lipstick and Nail Lacquer.
Claims use since Sept. 26, 1949.

Ser. No. 590,408. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Jan. 6, 1950.

SILVER IRIS

For Nail Polish.
Claims use since Nov. 1, 1949.

Ser. No. 593,006. Metro Internationale Corporation, New York, N. Y. Filed Feb. 24, 1950.

Flor de Juventud

For Hair Lotion.
Claims use since January 1946.

Ser. No. 600,768. A. W. Curtis, Jr., doing business as A. W. Curtis Laboratories, Detroit, Mich. Filed July 17, 1950.

Bronze Lady

The word "Bronze" is disclaimed. Applicant claims ownership of Registrations Nos. 512,544 and 512,709.
For Cologne.
Claims use since June 16, 1950.

CLASS 52
DETERGENTS AND SOAPS

Ser. No. 528,520. Shur Gloss Mfg. Co., Chicago, Ill. Filed July 12, 1947.

WONDER-WASH

The word "Wash" is disclaimed.
For Cleaning Compound for Use in Washing Automotive Vehicles.
Claims use since Feb. 1, 1939.

Ser. No. 528,521. Shur Gloss Mfg. Co., Chicago, Ill. Filed July 12, 1947.

SHUR WONDER-WASH

The word "Wash" is disclaimed.
For Cleaning Compound for Use in Washing Automotive Vehicles.
Claims use since Feb. 1, 1939.

Ser. No. 566,092. Modern Chemico, Highwood, Ill. Filed Sept. 29, 1948.

Sham-Rins

No claim is made to the term "Rins."
For Shampoo.
Claims use since Jan. 22, 1932.

Ser. No. 580,695. Thompson Chemical Co., Pontiac, Ill. Filed June 17, 1949.

TOMBRO

For Cleaner for Carpets, Rugs, Upholstery, Children's Wooly Toys, Lamp Shades, Venetian Blinds, Gloves, Suede Shoes, and Slip Covers.
Claims use since Apr. 1, 1949.

Ser. No. 586,591. Charles of the Ritz, Inc., New York, N. Y. Filed Oct. 20, 1949.

Talisman

Applicant claims ownership of Registration No. 284,554.
For Toilet Soap.
Claims use since Oct. 10, 1945.

Ser. No. 598,208. Sayman Products Company, St. Louis, Mo. Filed May 26, 1950.

Dojean

For Soap.
Claims use since Feb. 1, 1949.

Ser. No. 598,763. Takamine Laboratory, Inc., Clifton, N. J. Filed June 7, 1950.

TLM

For Compound for Use in Cleaning Fabrics.
Claims use since Apr. 17, 1950.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 572,441. Midwestern Broadcasting Company, Traverse City, Mich. Filed Jan. 19, 1949.

"PAUL BUNYAN NETWORK"

The words "Paul Bunyan" identify the name of a legendary character. The word "Network" is disclaimed.
For Advertising the Goods and Services of Others Through the Medium of Radio Program Broadcasting.
Claims use since Mar. 1, 1945.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 554,821. Sumner S. Sollitt, doing business as Associated Painters and Decorators, Chicago, Ill. Filed Apr. 16, 1948.

A. P. & D.

For Painting the Interior and Exterior of Buildings.
Claims use since November 1944.

CLASS 104

COMMUNICATION

Ser. No. 565,395. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Filed Sept. 17, 1948.

HOOSIER HOP

The term "Hop" is disclaimed.
For Radio Program Broadcasting Services.
Claims use since January 1932.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 562,242. American Airlines, Inc., New York, N. Y. Filed July 27, 1948.



The drawing is lined for red and Bonnet blue.
For the Air Transport of Passengers and Freight.
Claims use since May 1933.

Ser. No. 597,837. Navajo Freight Lines, Inc., Los Angeles, Calif. Filed May 20, 1950.



For Transportation of Freight by Truck.
Claims use since Mar. 22, 1950.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 545,068. C. M. Olson, Cassville, Mo. Filed Jan. 19, 1948.

RED HEADS

For Entertainment Services in the Nature of Basketball Exhibitions.
Claims use since Nov. 1, 1936.

Ser. No. 586,137. Carter Publications, Inc., Fort Worth, Tex. Filed Oct. 12, 1949.



For Entertainment Services in the Nature of a Puppet Show Rendered in a Series of Television Programs.
Claims use since Sept. 12, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,454. Finished Alloy Castings for Use in the Manufacture and Repair of Vacuum Cleaners. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed July 2, 1945, Serial No. 485,388. Published Jan. 2, 1951. Class 23.

444,455. Pod Type Vat Outlets—Namely, an Element Adapted To Be Fitted Over an Opening, Etc. Cherry-Burrell Corporation, Chicago, Ill.
Filed July 12, 1945, Serial No. 485,722. Published Dec. 12, 1950. Class 13.

444,456. Wines. Cyprus Wine and Spirits Company, Ltd., Limassol, Cyprus.
Filed Apr. 10, 1947, Serial No. 520,444. Published Dec. 26, 1950. Class 47.

444,457. Brandy, Ouzo, Gin, Rum, and Liqueurs. Cyprus Wine and Spirits Company, Ltd., Limassol, Cyprus.
Filed Apr. 10, 1947, Serial No. 520,445. Published Dec. 26, 1950. Class 49.

444,458. Bookkeeping Machines. Aktiebolaget Addo, Malmo, Sweden.
Filed Apr. 21, 1947, Serial No. 521,046. Published Nov. 21, 1950. Class 26.

444,459. Plasticizers for Rubber, Synthetic Resins, and Other Organic Substances. Applied Chemical Corporation, Brooklyn, N. Y.
Filed May 2, 1947, Serial No. 521,715. Published Jan. 2, 1951. Class 6.

444,460. Luggage—Namely, Suitcases, Wardrobe Cases, Etc. Earl E. Brenner, Dayton, Ohio.
Filed June 3, 1947, Serial No. 523,457. Published Dec. 5, 1950. Class 3.

444,461. Nonalcoholic Maltless Beverages Sold as Soft Drinks, and Flavoring Syrups for Making the Same. Orange Smile Sirup Company, St. Louis, Mo.
Filed June 9, 1947, Serial No. 523,853. Published Dec. 5, 1950. Class 45.

ACT OF 1946, PRINCIPAL REGISTER

540,255. Derricks, Mast Poles, Chain and Gear Transmissions, Friction Clutches, Etc. Wilson Manufacturing Company, Inc., Wichita Falls, Tex., and elsewhere.
Original filed, act of 1905, Feb. 16, 1946; amended to application under act of 1946, Principal Register, Dec. 13, 1948, Serial No. 496,745. Published Dec. 19, 1950. Class 23.

540,256. Straight and Blended Whiskies. Double Springs Distillers, Inc., Bardstown, Ky.
Original filed, act of 1905, Mar. 22, 1946; amended to application under act of 1946, Principal Register, Aug. 17, 1948, Serial No. 498,759. Published Jan. 9, 1951. Class 49.

540,257. Wax Emulsion for Coating Flowers and Foliage. Floralife, Incorporated, Chicago, Ill.
Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Apr. 10, 1948, Serial No. 512,772. Published Jan. 18, 1949. Class 6.

540,258. Frozen Trout. The Green Spring Co., Inc., Newville, Pa., assignee of The Green Spring Co.
Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Principal Register, Mar. 17, 1948, Serial No. 516,013. Published Dec. 26, 1950. Class 46.

540,259. Malt Beverages—Namely, Beer, Ale, Porter, and Half and Half. Loewer's Brewery Company, New York, N. Y.
Original filed, act of 1905, Mar. 13, 1947; amended to application under act of 1946, Principal Register, July 18, 1950, Serial No. 518,959. Published Nov. 28, 1950. Class 48.

540,260. Wines. Ellena Brothers, Etiwanda, Calif.
Original filed, act of 1905, Mar. 31, 1947; amended to application under act of 1946, Principal Register, Jan. 9, 1948, Serial No. 519,865. Published Jan. 9, 1951. Class 47.

540,261. Brandy. Ellena Brothers, Etiwanda, Calif.
Original filed, act of 1905, Mar. 31, 1947; amended to application under act of 1946; Principal Register, Jan. 9, 1948, Serial No. 519,866. Published Dec. 19, 1950. Class 49.

540,262. Brushes for Painting, Varnishing, or Similar Liquid-Applying Use, and for Cleaning, Polishing, and Sweeping. Whiting-Adams Company, Inc., Boston, Mass.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1948, Serial No. 520,583. Published Jan. 9, 1951. Class 29.

540,263. Canned Fruits, Canned Vegetables, Coffee, Peanut Butter, Spices, Canned Pimientos. General Grocery Company, Inc., Portland, Oreg.
Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Sept. 3, 1947, Serial No. 521,446. Published Jan. 16, 1951. Class 46.

540,264. Lubricant Tanks and Reservoirs To Be Sold Individually as Lubricant Tanks and Reservoirs or as Replacement Parts or as a Part of a Complete Lubricating System or Installation. Bijur Lubricating Corporation, Long Island City, N. Y.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, July 20, 1950, Serial No. 526,189. Published Dec. 5, 1950. Class 2.

540,265. Onion Powder. Basic Vegetable Products, Inc., Vacaville, Calif.
Filed Aug. 9, 1947, Serial No. 530,915. Published Jan. 9, 1951. Class 46.

540,266. Spread Comprising Cheese, Bacon, and Other Ingredients. Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 532,191. Published Jan. 9, 1951. Class 46.

540,267. Candy. Ben Myerson, operating as Ben Myerson Candy Co., Los Angeles, Calif.
Filed Sept. 25, 1947, Serial No. 535,734. Published Dec. 19, 1950. Class 46.

540,268. Sodium Chloride—Namely, Water Softener Salt, Ice Cream Salt, and All Grades of Crushed Rock Salt. The Carey Salt Company, Hutchinson, Kans.
Filed Oct. 8, 1947, Serial No. 537,149. Published Jan. 9, 1951. Class 6.

540,269. Rum. Licoreria Occidental, S. A., Habana, Cuba.
Filed May 16, 1950, Serial No. 538,302. Published Dec. 5, 1950. Class 49.

540,270. Harrows—Namely, a Cultivating Machine Used Primarily for Pulverizing and Smoothing the Soil. Von Equipment Company, Inc., Memphis, Tenn.
Filed Oct. 20, 1947, Serial No. 538,476. Published Dec. 5, 1950. Class 23.

540,271. Hosiery for Women. Grey Hosiery Mills, Bristol, Va.
Filed Oct. 25, 1947, Serial No. 539,049. Published Jan. 9, 1951. Class 39.

540,272. Solution for Testing the Usefulness of Hypo Fixing Baths. The Edwal Laboratories, Inc., Chicago, Ill.
Filed Oct. 29, 1947, Serial No. 539,400. Published Jan. 9, 1951. Class 6.

540,273. Snacks Made of Puffed and Flavored Popcorn Namely, Already Popped and Caramel Flavored Popcorn, and Already Popped and Sugar-Coated Popcorn. Henry Meitzer, doing business under the name of Popcorn Service Company, New York, N. Y.
Filed Oct. 30, 1947, Serial No. 539,544. Published Dec. 26, 1950. Class 46.

540,274. Wooden and Fibreboard Boxes and Crates, and Trays. Rathborne, Hair & Ridgway Company, Chicago, Ill., assignor to Rathborne, Hair & Ridgway Box Co., Chicago, Ill., a corporation of Illinois.
Filed Nov. 4, 1947, Serial No. 540,106. Published Dec. 26, 1950. Class 2.

540,275. Salt for Use for Livestock. Royal Crystal Salt Company, Salt Lake City, Utah.
Filed Nov. 6, 1947, Serial No. 540,319. Published Nov. 21, 1950. Class 46.

540,276. Exhaust Manifold Attachment for Internal Combustion Engines—Namely, Vacuum Accumulators. De Luxe Products Corporation, La Porte, Ind.
Filed Nov. 20, 1947, Serial No. 541,817. Published Dec. 5, 1950. Class 23.

540,277. Fruit Preserves, Jellies, and Marmalades. Glaser, Crandell Co., Chicago, Ill.
Filed Dec. 3, 1947, Serial No. 543,177. Published Oct. 10, 1950. Class 46.

540,278. Hack Saws, Screw Drivers, Hand Drills, and Carpenter's Planes. A. R. Heise, Inc., doing business as Higrade Industries Co., Hamden and New Haven, Conn.
Filed Dec. 13, 1947, Serial No. 544,265. Published Jan. 2, 1951. Class 23.

540,279. Paper Bags. Wortendyke Manufacturing Company, Richmond, Va.
Filed Dec. 18, 1947, Serial No. 544,806. Published Dec. 5, 1950. Class 2.

540,280. Fresh Citrus Fruits. Olive Heights Citrus Association, Olive, Calif.
Filed Dec. 20, 1947, Serial No. 545,030. Published Dec. 5, 1950. Class 46.

540,281. Whiskey. Henry Kelly Importing & Distributing Co. Inc., New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,259. Published Nov. 28, 1950. Class 49.

540,282. Genuine Fur Felt Hats for Men. Young's Merchandising Corporation, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,321. Published Dec. 12, 1950. Class 39.

540,283. Fruit Butter, Apple Butter, and Apple Cherry Jelly. Bliss Syrup & Preserving Co., Kansas City, Mo.
Filed Dec. 26, 1947, Serial No. 545,432. Published Dec. 5, 1950. Class 46.

540,284. Empty Jewel Boxes Made of Non-Precious Metal, Wood, Leather, or Combinations Thereof. Dunston Ltd., New York, N. Y.
Filed Jan. 9, 1948, Serial No. 546,570. Published July 25, 1950. Class 2.

540,285. Axes. Warren Axe and Tool Company, Warren, Pa.
Filed Jan. 15, 1948, Serial No. 547,206. Published Dec. 12, 1950. Class 23.

540,286. Maltless Extract Used in the Preparation of Soft Drinks. Joseph Whewell & Sons, Burnley, England.
Filed Jan. 15, 1948, Serial No. 547,212. Published Dec. 5, 1950. Class 45.

540,287. Liquid Germicidal and Fungicidal Composition Containing a Quaternary Ammonium Compound and a Synthetic Non-Ionic Detergent and Used for Cleansing and Sterilizing Surgical Instruments. United States Catheter & Instrument Corp., Glens Falls, N. Y.
Filed Jan. 20, 1948, Serial No. 547,584. Published Jan. 16, 1951. Class 52.

540,288. Apparatus for Indicating or Recording Information Pertinent to the Listening or Viewing Habits of Wave Signal Receiver Users, Etc. A. C. Nielsen Company, Chicago, Ill.
Filed Jan. 22, 1948, Serial No. 547,756. Published Feb. 7, 1950. Class 26.

540,289. Laxative Lozenge. Hy-Pure Laboratories, Inc., doing business as Peppet Laboratories Distributors, Cincinnati, Ohio.
Filed Mar. 8, 1948, Serial No. 551,453. Published Jan. 16, 1951. Class 18.

540,290. Measuring Rules, Tape Measures, Carpenters' Levels, Carpenters' Squares, and T-Bevels. The Cussins and Fearn Company, Columbus, Ohio.
Filed Mar. 13, 1948, Serial No. 551,861. Published Nov. 21, 1950. Class 26.

540,291. Whiskey. London & Company, Inc., Elizabeth, N. J.
Filed Mar. 17, 1948, Serial No. 552,153. Published Dec. 19, 1950. Class 49.

540,292. Boys' Shirts, Jackets, and Jodhpurs. Superior Togs Corp., New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,178. Published Sept. 26, 1950. Class 39.

540,293. Socks, Underwear, Hosiery, Sweaters, and Athletic Shirts. Skyknit Products, Inc., New York, N. Y.
Filed Mar. 24, 1948, Serial No. 552,884. Published Nov. 14, 1950. Class 39.

540,294. Packaging Containers for Meat and Meat Products—Namely, Artificial Casings and Bags Made of Rubber Hydrochloride and Regenerated Cellulose. Milprint, Inc., Milwaukee, Wis.
Filed Mar. 27, 1948, Serial No. 553,209. Published Jan. 2, 1951. Class 2.

540,295. Manually-Operated Compression Sprayers Used for Applying Insecticides, Disinfectants, Fungicides, Whitewash, Cold Water Paints, in Liquid Form. Lowell Specialty Company of Lowell, Mich., doing business under the name Lowell Manufacturing Co., Lowell, Mich., and Chicago, Ill.
Filed Apr. 5, 1948, Serial No. 553,880. Published Jan. 2, 1951. Class 23.

540,296. White Plastic Compound Adapted for Use Especially in the Manufacture of Tires Having White Side Walls. Capitol Tire Company, Inc., Philadelphia, Pa.
Filed May 13, 1948, Serial No. 556,948. Published Jan. 2, 1951. Class 6.

540,297. Stock Watering Tanks, House Tanks for Water Storage, Storage Tanks, Dipping Tanks for Farm Animals, Square End Tanks, Cisterns, Steel Grain Bins, Etc. The Sioux Steel Co., Sioux Falls, S. Dak.
Filed May 18, 1948, Serial No. 557,316. Published Jan. 2, 1951. Class 2.

540,298. Gefilte Fish. Mother's Food Products, Inc., Newark, N. J.
Filed May 22, 1948, Seral No. 557,620. Published Nov. 28, 1950. Class 46.

540,299. Molded Pulp Packing Trays To Be Used in the Packing, Storage and Shipment of Perishable or Fragile Articles. Keyes Fibre Company, Waterville, Maine.
Filed May 29, 1948, Serial No. 558,141. Published Nov. 28, 1950. Class 2.

540,300. Chisels, Gouges, Plane Irons, Draw-Knives, Countersinks, Etc. Buck Bros. Inc., Millbury, Mass.
Filed June 3, 1948, Serial No. 558,344. Published Dec. 5, 1950. Class 23.

540,301. Asphalt Roof Coating, Roof Cement, and Lap Cement. United States Gypsum Company, Chicago, Ill.
Filed June 12, 1948, Serial No. 559,124. Published Jan. 16, 1951. Class 12.

540,302. Household and Industrial Brushes, Brooms, Mops, Dusters, Used for Cleaning Purposes. George S. Erb, doing business as George H. Erb & Son, East Greenville, Pa.
Filed June 14, 1948, Serial No. 559,143. Published Jan. 9, 1951. Class 29.

540,303. Canned Fruit Flavored Beverages Sold as Maltless Soft Drinks. Maryland Beverage Company, Inc., Baltimore, Md.
Filed July 8, 1948, Serial No. 560,909. Published Dec. 5, 1950. Class 45.

540,304. Men's, Women's, Boys', Girls', Children's, and Infants' Overcoats, Topcoats, Coats, Suits, Vests, Trousers, Slacks, Cloaks, Capes, Coat Sets, and Legging Sets, All Made of Textile Fabrics. Continental Mills, Inc., Philadelphia, Pa.
Filed Jan. 22, 1948, Serial No. 561,376. Published Nov. 28, 1950. Class 39.

540,305. Asbestos Roof Cement. Chicago Paints, Inc., Chicago, Ill.
Filed Aug. 4, 1948, Serial No. 562,759. Published Nov. 7, 1950. Class 12.

540,306. Hand Painted Woodenware—Namely, Salad Bowls, Fruit Bowls, and Serving Trays. Miller R. White, Dallas, Tex.
Filed Aug. 4, 1948, Serial No. 562,813. Published Dec. 5, 1950. Class 2.

540,307. Machines for Machining Printing Plates, Stereotype Plates, and the Like. Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Filed Aug. 16, 1948, Serial No. 563,465. Published Nov. 28, 1950. Class 23.

540,308. Decorative Party Favors of the Snapper Type, Containing Paper Hats, Toys, and Other Novelty Items. Batger & Company Limited, London, England.
Filed Sept. 8, 1948, Serial No. 564,804. Published Nov. 28, 1950. Class 22.

540,309. Jewelry for Personal Wear, Not Including Watches, Etc. Layko, Ross & Co., Inc., Seattle, Wash.
Filed Sept. 14, 1948, Serial No. 565,133. Published Jan. 9, 1951. Class 28.

540,310. Lauter Tubs. Schock, Gusmer & Co., Inc., Hoboken, N. J.
Filed Oct. 12, 1948, Serial No. 566,894. Published Dec. 19, 1950. Class 23.

540,311. Milk Cans, Dairy Pails, and Ice Cream Cans. Superior Metal Products Company, Philadelphia, Pa., and St. Paul, Minn.
Filed Sept. 20, 1947, Serial No. 567,357. Published Dec. 12, 1950. Class 2.

540,312. Body Oil for Expectant Mothers. Winifred M. Walsh, Hillsdale, N. J.
Filed Oct. 21, 1948, Serial No. 567,443. Published Jan 9, 1951. Class 51.

540,313. Fruit, Berry, Butter, and Vanilla Concentrates for Foods; Chocolate Syrup for Food Flavoring Purposes; Crushed Fruits; Crushed Strawberries; Conserved Fruits; Lemon Oil for Food Flavoring Purposes; and Orange Oil for Food Flavoring Purposes. Neil Products Inc., Los Angeles, Calif.
Filed Oct. 22, 1948, Serial No. 567,466. Published Dec. 5, 1950. Class 46.

540,314. Sheeting and Pillow Tubing, Mattress Covers, Wool Blankets, Comforters, Tablecloths, and Bedspreads. Butler Brothers, Chicago, Ill.
Filed Oct. 23, 1948, Serial No. 567,495. Published Dec. 26, 1950. Class 42.

540,315. Dishes and Vases Formed of a Ceramic Body. Fulper Pottery Company, Trenton, N. J.
Filed Oct. 25, 1948, Serial No. 567,572. Published Dec. 12, 1950. Class 30.

540,316. Marbleized Linoleum for Floor, Wall, Table, Counter, and Desk Coverings, and Marbleized Linoleum Tiling. Dominion Oilcloth & Linoleum Co. Limited, Montreal, Quebec, Canada.
Filed Oct. 28, 1948, Serial No. 567,764. Published Dec. 19, 1950. Class 20.

540,317. Handbag Frames. Frank J. Quigan, Inc., Maspeth, N. Y.
Filed Oct. 29, 1948, Serial No. 567,879. Published Dec. 19, 1950. Class 3.

540,318. Safety Razor Kits. Eversharp, Inc., Chicago, Ill.
Filed Nov. 3, 1948, Serial No. 568,102. Published Dec. 26, 1950. Class 23.

540,319. Brandy. Sociedade Lusitana de Destilação, Limitada, Lisbon, Portugal.
Filed Nov. 15, 1948, Serial No. 568,812. Published Dec. 19, 1950. Class 49.

540,320. Watches, Clocks, and Parts Thereof. Simon Elshorn, doing business as Corda Export Co., New York, N. Y.
Filed Dec. 2, 1948, Serial No. 569,750. Published Jan. 9, 1951. Class 27.

540,321. Metal Cross Bridging for Floor Beams of Buildings. Met-Cro Specialties Company, Inc., Woodhaven, N. Y.
Filed Dec. 2, 1948, Serial No. 569,763. Published Jan. 16, 1951. Class 12.

540,322. Woolen Piece Goods and Piece Goods Made of Wool Blended With Cotton or Synthetic Fibers. Kanmak Textiles Inc., New York, N. Y.
Filed Dec. 9, 1948, Serial No. 570,259. Published Dec. 26, 1950. Class 42.

540,323. Ale. Drewrys Ltd., U. S. A., Inc., South Bend, Ind.
Filed Dec. 15, 1948, Serial No. 570,546. Published Jan. 9, 1951. Class 48.

540,324. Whiskey. Esbeco Distilling Corporation, Stamford, Conn.
Filed Dec. 15, 1948, Serial No. 570,549. Published Dec. 5, 1950. Class 49.

540,325. Animal Medicines—Namely, Anthrax Bacterin, Etc. Globe Laboratories, Fort Worth, Tex.
Filed Dec. 15, 1948, Serial No. 570,556. Published Jan. 2, 1951. Class 18.

540,326. Pillow Cases, Sheets, and Table Cloths. Fitts Dry Goods Company, Kansas City, Mo.
Filed Dec. 20, 1948, Serial No. 570,844. Published Dec. 26, 1950. Class 42.

540,327. Blankets of Wool, Cotton, Rayon and Combinations Thereof, Etc. Chatham Manufacturing Company, Elkin, N. C.
Filed Dec. 27, 1948, Serial No. 571,113. Published Dec. 26, 1950. Class 42.

540,328. Window Hollands, Shade Cloth, Bed Sheets and Sheeting, Pillow Cases and Tubing, Furnishing Fabrics in the Piece, All Said Goods Being Made of Cotton, Rayon, Linen, or Mixtures Thereof. John King & Son Limited, Glasgow, Scotland.
Filed Dec. 28, 1948, Serial No. 571,219. Published Dec. 26, 1950. Class 42.

540,329. Hot Pressed Fiber Composition Board. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Dec. 30, 1948, Serial No. 571,342. Published Jan. 9, 1951. Class 12.

540,330. Waxed and Unwaxed Paper Bags for Foodstuffs. Grand Bag & Paper Co., Inc., New York, N. Y.
Filed Jan. 11, 1949, Serial No. 572,006. Published Dec. 5, 1950. Class 2.

540,331. Room Deodorant. Rex Research Corporation, Toledo, Ohio.
Filed Jan. 18, 1949, Serial No. 572,377. Published Mar. 21, 1950. Class 6.

540,332. Dumping Hoppers, Bases for Industrial Scales, Motors, Pressing Machines, Etc. Fab-Weld Corporation, Philadelphia, Pa.
Filed Jan. 21, 1949, Serial No. 572,493. Published Jan. 9, 1951. Class 23.

540,333. Product for the Treatment of Chromic Constipation. The Maltine Company, Morris Plains, N. J.
Filed Jan. 26, 1949, Serial No. 572,851. Published Jan. 9, 1951. Class 18.

540,334. Sparkling Water, Gingerale, Root Beer, and Carbonated Maltless Non-Alcoholic Beverages Sold as Soft Drinks for Use as Mixers; Grapefruit Ade, Lime Rickey. A. J. Canfield Co., Chicago, Ill.
Filed Jan. 29, 1949, Serial No. 573,027. Published Dec. 12, 1950. Class 45.

540,335. Composition Shingles. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Feb. 1, 1949, Serial No. 573,109. Published Nov. 14, 1950. Class 12.

540,336. Canned Fruits, Canned Citrus Fruit Juices, and Canned Vegetables. L. H. Moore Canning Company, McAllen, Tex.
Filed Feb. 10, 1949, Serial No. 573,670. Published Dec. 5, 1950. Class 46.

540,337. Commodity and Merchandising Pouches and Bags Formed of Paper, Parchment, Wax Paper, Etc. Milprint, Inc., Milwaukee, Wis.
Filed Feb. 11, 1949, Serial No. 573,730. Published Jan. 9, 1951. Class 2.

540,338. Wines. B. Cribari & Sons, Fresno, Calif.
Filed Feb. 28, 1949, Serial No. 574,610. Published Dec. 5, 1950. Class 47.

540,339. Beer and Ale. The Genesee Brewing Co., Inc., Rochester, N. Y.
Filed Mar. 3, 1949, Serial No. 574,832. Published Nov. 28, 1950. Class 48.

540,340. Transmissions or Power Drives and Controls and Parts Thereof for Motor Vehicles. Packard Motor Car Company, Detroit, Mich.
Filed Mar. 11, 1949, Serial No. 575,288. Published Jan. 2, 1951. Class 23.

540,341. Scotch Whiskey. Cockburn & Co. (Leith) Limited, Edinburg, Scotland, and London, England.
Filed Mar. 18, 1949, Serial No. 575,628. Published Dec. 19, 1950. Class 49.

540,342. Hand Operated Food Server. Prince Castle Mfg. Div. Inc., Sterling, Ill.
Filed Mar. 18, 1949, Serial No. 575,669. Published Jan. 2, 1951. Class 23.

540,343. Non-Alcoholic, Maltless Chocolate Flavored Beverage Sold as a Soft Drink and Chocolate Syrup for the Making of Same. Delano Corporation of America, New York, N. Y.
Filed Mar. 26, 1949, Serial No. 576,195. Published Apr. 18, 1950. Class 45.

540,344. Watches. Abercrombie & Fitch Company, New York, N. Y.
Filed Apr. 9, 1949, Serial No. 576,836. Published Jan. 9, 1951. Class 27.

540,345. Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk or Combinations Thereof. Cohn-Hall-Marx Co., New York, N. Y., assignor to United Merchants and Manufacturers Inc., New York, N. Y., a corporation of Delaware.
Filed Apr. 9, 1949, Serial No. 576,852. Published Dec. 26, 1950. Class 42.

540,346. Canned Anchovies Rolled With Capers. Pereira & Cruz, Limitada, Olhao, Portugal.
Filed Apr. 12, 1949, Serial No. 576,981. Published Jan. 16, 1951. Class 46.

540,347. Canned Anchovies. Pereira & Cruz, Limitada, Olhao, Portugal.
Filed Apr. 12, 1949, Serial No. 576,982. Published Jan. 16, 1951. Class 46.

540,348. Face Powder, Lipstick, Rouge, Softening and Cleansing Creams, Cream Pastes for Imparting Color to the Skin, Make-Up for the Eyes, and Hair Lacquer. Societe Lancôme, S. A., Paris, France.
Filed Mar. 11, 1949, Serial No. 577,003. Published Dec. 12, 1950. Class 51.

540,349. Face Powder, Lipstick, Rouge, Softening and Cleansing Creams, Cream Pastes for Imparting Color to the Skin, Make-Up for the Eyes and Hair Lacquer. Societe Lancôme, S. A., Paris, France.
Filed Mar. 11, 1949, Serial No. 577,005. Published Dec. 12, 1950. Class 51.

540,350. Wines. S. A. Chianti Ruffino, Brescia, Italy.
Filed Apr. 14, 1949, Serial No. 577,098. Published Dec. 19, 1950. Class 47.

540,351. Wines. S. A. Chianti Ruffino, Brescia, Italy.
Filed Apr. 14, 1949, Serial No. 577,099. Published Dec. 19, 1950. Class 47.

540,352. Vanity Cases, Compacts, and Lipstick Holders Made of Base Metal and Plastic and Sold in Trade Empty. Les Parfums de Dana, Inc., New York, N. Y.
Filed Apr. 15, 1949, Serial No. 577,196. Published Dec. 19, 1950. Class 2.

540,353. Liquids for Cleaning Automobile, Steam, or Hot-Water Radiators. Liquid Veneer Corporation, Buffalo, N. Y.
Filed Apr. 21, 1949, Serial No. 577,482. Published June 20, 1950. Class 52.

540,354. Rubber Vaginal Diaphragms. Durex Products, Inc., New York, N. Y.
Filed Apr. 22, 1949, Serial No. 577,524. Published July 25, 1950. Class 44.

540,355. Silks, Rayons, Cottons, Woolens, and Linens—Namely, Fabrics in the Piece. Herbert Meyer, New York, N. Y.
Filed Apr. 23, 1949, Serial No. 577,582. Published Dec. 26, 1950. Class 42.

540,356. Lumber and Plywood Having a Surface Treated To Emphasize the Natural Grain. Davidson Plywood & Lumber Co., Los Angeles, Calif.
Filed Apr. 25, 1949, Serial No. 577,662. Published Jan. 16, 1951. Class 12.

540,357. Tool Maker's Clamps; Pocket Screw Drivers; Drive Pin Punches, Center Punches; Hold-Downs, To Clamp and Hold Work Flat Without Distortion; and Glass Cutters. The Lufkin Rule Co., Saginaw, Mich.
Filed Apr. 28, 1949, Serial No. 577,893. Published Nov. 28, 1950. Class 23.

540,358. Non-Alcoholic, Non-Cereal, Maltless Carbonated and Non-Carbonated Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same. Perkins Products Company, Chicago, Ill.
Filed May 4, 1949, Serial No. 578,216. Published Dec. 19, 1950. Class 45.

540,359. Non-Alcoholic, Non-Cereal, Maltless, Carbonated and Non-Carbonated Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same. Perkins Products Company, Chicago, Ill.
Filed May 4, 1949, Serial No. 578,217. Published Jan. 9, 1951. Class 45.

540,360. Merchandise Envelopes, Paper Drinking Cups, and Bags Made of Paper and Also of Transparent Film or Sheet Material. United States Envelope Company, Springfield, Mass.
Filed May 5, 1949, Serial No. 578,302. Published Jan. 9, 1951. Class 2.

540,361. Transparent Plastic Clothing or Garment Bags for the Storing of Clothing. Plastic Products Company, Inc., Corpus Christi, Tex.
Filed May 7, 1949, Serial No. 578,416. Published Dec. 5, 1950. Class 2.

540,362. Rubber Baby Pants, Plastic Baby Pants, Infants' Flannel Underwear, Latex Baby Pants, Rubber Diapers, Infants' Jersey Underwear, Plastic Aprons, Rubber Aprons, and Baby Garters. Harold W. Gutkowsky, doing business as Star Garter Co., Chicago, Ill.
Filed May 9, 1949, Serial No. 578,448. Published Jan. 9, 1951. Class 39.

540,363. Perfume, Toilet Water, Eau de Cologne. Fontaine Perfume Corporation, New York, N. Y.
Filed May 11, 1949, Serial No. 578,583. Published Jan. 9, 1951. Class 51.

540,364. Metal Containers—Namely, Steel Packages, Kegs, and Pails Sold Empty in the Trade. National Lead Company, Sayreville, N. J., and New York, N. Y.
Filed May 12, 1949, Serial No. 578,700. Published Dec. 19, 1950. Class 2.

540,365. Seat Cover Fabrics of Vegetable Fibers. Crawford Manufacturing Co., Inc., Richmond, Va.
Filed May 13, 1949, Serial No. 578,771. Published Dec. 26, 1950. Class 42.

540,366. Piece Goods of Cotton, Silk, Wool, Linen, and Synthetic Fibers. Oneida Fabrics Corporation, New York, N. Y.
Filed May 14, 1949, Serial No. 578,887. Published Dec. 26, 1950. Class 42.

540,367. Tape and Ribbon Used for Tying Gift and Other Packages and for Other Tying Uses. Chicago Printed String Company, Chicago, Ill.
Filed May 17, 1949, Serial No. 578,955. Published Jan. 16, 1951. Class 7.

540,368. Tape and Ribbon Used for Tying Gift and Other Packages and for Other Tying Uses. Chicago Printed String Company, Chicago, Ill.
Filed May 17, 1949, Serial No. 578,956. Published Jan. 16, 1951. Class 7.

540,369. Medicinal Mouth Rinse. Dent-A-Mide Laboratories, Philadelphia, Pa.
Filed May 20, 1949, Serial No. 579,180. Published Jan. 9, 1951. Class 18.

540,370. Rubber Hot Water Bottles. Armstrong Cork Company, Lancaster, Pa.
Filed May 24, 1949, Serial No. 579,391. Published Jan. 2, 1951. Class 44.

540,371. Candy. Imperial Candy Company, Seattle, Wash.
Filed May 24, 1949, Serial No. 579,421. Published Jan. 16, 1951. Class 46.

540,372. All Types of Elbows, T's, Adapters, Couplings, Crosses, Trays, Y's, Faucets, Valves, and Various Other Types of Pipe Fittings. Teh Mfg. Co., Inc., Springfield, Mass.
Filed May 27, 1949, Serial No. 579,637. Published Jan. 16, 1951. Class 13.

540,373. Cremes, Lotions, and Tonics for the Hair and Scalp. Christine Cosmetics Inc., Princeton, N. J.
Filed June 1, 1949, Serial No. 579,803. Published Jan. 16, 1951. Class 51.

540,374. Gummed Paper Tape and Gummed Cloth Tape for Use in the Manufacture of and Application to Cartons, Corrugated Paper Boxes, and Like Containers. General Gummed Products, Inc., Richmond Hill, N. Y.
Filed May 28, 1949, Serial No. 579,681. Published Jan. 2, 1951. Class 5.

540,375. Wall Coverings Made of Oil Coated Canvas Being in the Nature of Oiled Cloth. Wall Trends, Inc., New York, N. Y.
Filed June 8, 1949, Serial No. 580,160. Published Jan. 9, 1951. Class 20.

540,376. Shoe Ornaments Comprising Buckles, Rings, or Other Strap Fasteners Formed of Base Metal. E. E. Weller Co., Providence, R. I.
Filed June 9, 1949, Serial No. 580,218. Published Dec. 26, 1950. Class 40.

540,377. Molded Pulp Packing Trays for Use in the Packing, Storage and Shipment of Perishable or Fragile Articles. Keyes Fibre Company, Waterville and Portland, Maine.
Filed June 11, 1949, Serial No. 580,299. Published Nov. 28, 1950. Class 2.

540,378. Scalp and Hair Ointment. Mar-Sha, Inc., Kansas City, Mo.
Filed June 13, 1949, Serial No. 580,370. Published Dec. 12, 1950. Class 18.

540,379. Rum. A. P. McDowall & Co. (Distillers) Limited, Glasgow, Scotland.
Filed June 13, 1949, Serial No. 580,371. Published Dec. 12, 1950. Class 49.

540,380. Piece Goods, Including Crepe, Satin, Twill, and Taffeta, of Silk and Synthetic Fibers and Rayon. Schneider Silk Mills Inc., New York, N. Y.
Filed June 17, 1949, Serial No. 580,681. Published Dec. 26, 1950. Class 42.

540,381. Piece Goods, Including Crepe, Satin, Twill, and Taffeta, of Silk and Synthetic Fibers and Rayon. Schneider Silk Mills Inc., New York, N. Y.
Filed June 17, 1949, Serial No. 580,683. Published Dec. 26, 1950. Class 42.

540,382. Leather Wallets, Pocket Folders for Currency and the Like. Pennsylvania Leather Products Company, Troy, Pa.
Filed June 22, 1949, Serial No. 580,899. Published Nov. 28, 1950. Class 3.

540,383. Table Cloths, Napkins, Sheets, Pillow-Cases, and Towels. The Dayton Company, Minneapolis, Minn.
Filed June 24, 1949, Serial No. 580,979. Published Dec. 26, 1950. Class 42.

540,384. Textile Rugs. Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn.
Filed June 27, 1949, Serial No. 581,114. Published Dec. 26, 1950. Class 42.

540,385. Small Hangers To Be Hooked Over the Edge of a Table or Similar Surface for Temporarily Suspending Therefrom a Lady's Handbag, or the Like. E. M. Davis & Co., New York, N. Y.
Filed July 1, 1949, Serial No. 581,407. Published Jan. 2, 1951. Class 40.

540,386. Small Hangers To Be Hooked Over the Edge of a Table or Similar Surface, for Temporarily Suspending Therefrom a Lady's Handbag, or the Like. E. M. Davis & Co., New York, N. Y.
Filed July 1, 1949, Serial No. 581,408. Published Jan. 2, 1951. Class 40.

540,387. Tools and Similar Devices—Namely, Mauls, Etc. Hubbard and Company, Pittsburgh, Pa.
Filed July 2, 1949, Serial No. 581,483. Published Dec. 5, 1950. Class 23.

540,388. Toy in the Representation of a Chicken. Playtime Productions, Inc., Chicago, Ill.
Filed July 7, 1949, Serial No. 581,612. Published Nov. 28, 1950. Class 22.

540,389. Billfolds, Purses, Handbags, Document Cases, and Wallets, All Being Goods Made of Leather. Alfred Dunhill Limited, London, England.
Filed July 9, 1949, Serial No. 581,711. Published Dec. 26, 1950. Class 3.

540,390. Yarns of Wool, Camelhair, Cashmere, and Angora Fibres. The Jaeger Company Limited, London, England.
Filed July 11, 1949, Serial No. 581,772. Published Nov. 28, 1950. Class 43.

540,391. Methanol Alcohol Anti-Freeze and Glycol Permanent Anti-Freeze Solution. Westville Oil and Manufacturing, Inc., Westville, Ind.
Filed July 12, 1949, Serial No. 581,846. Published Jan. 9, 1951. Class 6.

540,392. Step-Ladders Made of Metal and Wood. Sunmaster Products Co., San Bruno, Calif.
Filed July 13, 1949, Serial No. 581,915. Published Dec. 19, 1950. Class 50.

540,393. Oscilloscopes for Use in Cardiology. Technicon Cardiograph Corporation, New York, N. Y.
Filed July 15, 1949, Serial No. 582,069. Published Jan. 2, 1951. Class 44.

540,394. Absinthe Type of Liqueur Which Is Entirely Free From Wormwood. Leroux & Company, Inc., Philadelphia, Pa.
Filed July 20, 1949, Serial No. 582,232. Published Jan. 9, 1951. Class 49.

540,395. Whiskies. Stitzel-Weller Distillery, Louisville and Shively, Ky.
Filed June 16, 1949, Serial No. 582,393. Published Dec. 5, 1950. Class 49.

540,396. Whiskies. Stitzel-Weller Distillery, Louisville and Shively, Ky.
Filed June 16, 1949, Serial No. 582,394. Published Dec. 5, 1950. Class 49.

540,397. Hand Luggage. Hawley Products Company, St. Charles, Ill.
Filed July 23, 1949, Serial No. 582,425. Published Dec. 26, 1950. Class 3.

540,398. Non-Alcoholic, Maltless Beverage of Synthetic Coconut Water, Sold as a Soft Drink. Coco Rico Inc., Santurce and Naguabo, Puerto Rico.
Filed July 25, 1949, Serial No. 582,468. Published Apr. 25, 1950. Class 45.

540,399. Yarns, Threads, and Yarn and Thread Filaments. The Chemstrand Corporation, Philadelphia, Pa.
Filed July 26, 1949, Serial No. 582,519. Published Dec. 19, 1950. Class 43.

540,400. Shoulder Pads Designed for Use in Wearing Apparel. Trio Novelty Manufacturing Corporation, New York, N. Y.
Filed July 27, 1949, Serial No. 582,582. Published Nov. 28, 1950. Class 40.

540,401. Wines. G. F. Heublein & Bro., Inc., Hartford, Conn.
Filed July 29, 1949, Serial No. 582,686. Published May 23, 1950. Class 47.

540,402. Macaroni Food in the Form of Small Macaroni Rings for Infants and Children. The Creamette Company, Minneapolis, Minn.
Filed Aug. 3, 1949, Serial No. 582,894. Published Dec. 26, 1950. Class 46.

540,403. Ale. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,021. Published Dec. 26, 1950. Class 48.

540,404. Beer. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,022. Published Dec. 26, 1950. Class 48.

540,405. Beer. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,023. Published Dec. 26, 1950. Class 48.

540,406. Ale. Beverwyck Breweries, Inc., Albany, N. Y.
Filed Aug. 5, 1949, Serial No. 583,025. Published Dec. 26, 1950. Class 48.

540,407. Bonding Fluid (in the Nature of a Varnish and Applicable by a Dauber), Etc. The Permafuse Corp., Garden City, N. Y.
Filed Aug. 9, 1949, Serial No. 583,214. Published Jan. 2, 1951. Class 5.

540,408. Granulated Slag Used as an Aggregate in the Preparation of Concrete. Gerard H. Doscher, doing business as The Granulite Company, Chicago, Ill.
Filed Aug. 10, 1949, Serial No. 583,248. Published Jan. 9, 1951. Class 12.

540,409. Crochet Hooks and Knitting Needles for Hand Use. C. J. Bates & Son, Chester, Conn.
Filed July 12, 1949, Serial No. 583,314. Published Nov. 28, 1950. Class 40.

540,410. Piece Goods of Cotton, Mohair, Wool, Synthetic Fibres, and Combinations Thereof Sold in Bolt. Goodall-Sanford, Inc., Sanford, Maine.
Filed Aug. 20, 1949, Serial No. 583,747. Published Dec. 26, 1950. Class 42.

540,411. Piece Goods of Cotton, Mohair, Wool, Synthetic Fibers, and Combinations Thereof Sold in Bolt. Goodall-Sanford, Inc., Sanford, Maine.
Filed Aug. 20, 1949, Serial No. 583,749. Published Dec. 26, 1950. Class 42.

540,412. Piece Goods of Cotton, Mohair, Wool, Synthetic Fibers, and Combinations Thereof Sold in Bolt. Goodall-Sanford, Inc., Sanford, Maine.
Filed Aug. 20, 1949, Serial No. 583,751. Published Dec. 26, 1950. Class 42.

540,413. Button and Buckle Parts To Be Covered With Suitable Material Without the Use of Tools. William Prym, Inc., Dayville, Conn.
Filed Aug. 23, 1949, Serial No. 583,887. Published Dec. 12, 1950. Class 40.

540,414. Crocheting and Knitting Yarns. Talon, Inc., Meadville, Pa.
Filed Aug. 26, 1949, Serial No. 584,089. Published Dec. 26, 1950. Class 43.

540,415. Ladies' Handbags Made of Suede. Coblentz Bag Company, Inc., New York, N. Y.
Filed Aug. 31, 1949, Serial No. 584,264. Published Jan. 16, 1951. Class 3.

540,416. Agitator Equipped Machinery for Mixing and Dissolving Chemicals. Beasley and Haberle, Jacksonville, Tex.
Filed Sept. 7, 1949, Serial No. 584,524. Published Dec. 5, 1950. Class 23.

540,417. Beer. Swedish Beer Export Co. Aktiebolag, Goteborg, Sweden.
Filed Sept. 8, 1949, Serial No. 584,597. Published Dec. 5, 1950. Class 48.

540,418. Garment Interlining Having Animal Hair Content, Sold by the Yard and Roll. Leopold Gang, Inc., New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,627. Published Dec. 26, 1950. Class 42.

540,419. Razor Blades. Ralph C. Childs, doing business as Child's Distributing Company, Jonesboro, Ark.
Filed Sept. 12, 1949, Serial No. 584,713. Published Jan. 2, 1951. Class 23.

540,420. Antacid Preparations. Rossmar Laboratories, Philadelphia, Pa.
Filed Sept. 15, 1949, Serial No. 584,874. Published Jan. 9, 1951. Class 18.

540,421. Molded Pulp Cartons for Use in the Packing, Storage, Shipment, Holding, Containing and Transportation of Eggs and Other Perishable or Fragile Articles. Keyes Fibre Company, Portland and Waterville, Maine.
Filed Sept. 16, 1949, Serial No. 584,910. Published Nov. 28, 1950. Class 2.

540,422. Men's Hats. Adam Hat Stores, Inc., New York, N. Y.
Filed Sept. 17, 1949, Serial No. 584,957. Published Dec. 12, 1950. Class 39.

540,423. Covers for Basketballs, Footballs, Soccer Balls, and Other Game Balls. The Seamless Rubber Company, New Haven, Conn.
Filed Sept. 16, 1949, Serial No. 585,082. Published Nov. 28, 1950. Class 22.

540,424. Footballs. Pro-Football, Inc., doing business as Washington Redskins, Washington, D. C.
Filed Aug. 3, 1949, Serial No. 585,478. Published Nov. 28, 1950. Class 22.

540,425. Needles for Hand Sewing. Needle Industries Limited, Birmingham, England.
Filed Sept. 29, 1949, Serial No. 585,541. Published Dec. 26, 1950. Class 40.

540,426. Woolen and Worsted Piece Goods and Piece Goods Comprising Combinations of Wool or Worsted With Cotton, Linen, Rayon, or Nylon. Shiclana Limited, London, England.
Filed Sept. 30, 1949, Serial No. 585,606. Published Dec. 26, 1950. Class 42.

540,427. Household Rubber Mats. Buxbaum Company, Canton, Ohio, assignor to The Buxbaum Company, Canton, Ohio, a corporation of Ohio.
Filed Oct. 1, 1949, Serial No. 585,629. Published Dec. 19, 1950. Class 50.

540,428. Men's, Women's, and Children's Hats and Hat Bodies. Merrimac Hat Corporation, New York, N. Y., and Amesbury, Mass.
Filed Oct. 3, 1949, Serial No. 585,714. Published Nov. 28, 1950. Class 39.

540,429. Common and Safety Pins. F. W. Woolworth Co., New York, N. Y.
Filed Oct. 12, 1949, Serial No. 586,215. Published Dec. 26, 1950. Class 40.

540,430. Western Style Outdoor Clothing—Namely, Men's, Women's, and Children's Shirts Mainly of Textile Fabrics, Etc. Navarro Brothers, El Paso, Tex.
Filed Oct. 21, 1949, Serial No. 586,648. Published Dec. 12, 1950. Class 39.

540,431. Food Product in the Form of Chips, Made of Cornmeal, Butter, Flour, and Salt. Lamora Sauvinet Gary, Honolulu, Territory of Hawaii.
Filed Oct. 24, 1949, Serial No. 586,750. Published Jan. 16, 1951. Class 46.

540,432. Golf Equipment—Namely, Practice Balls, Practice Nets, and Practice Swing Adjusters. Precision Golf Products Co., Chicago, Ill.
Filed Oct. 24, 1949, Serial No. 586,764. Published Nov. 28, 1950. Class 22.

540,433. Fulling and Scouring Soaps and Detergents. Frank Evans, Jr., doing business as Alwin Color and Chemical Company, Saugus, Mass.
Filed Oct. 25, 1949, Serial No. 586,782. Published Jan. 9, 1951. Class 52.

540,434. Jack Knives. Colonial Knife Company, Inc., Providence, R. I.
Filed Oct. 25, 1949, Serial No. 586,792. Published Jan. 2, 1951. Class 23.

540,435. Handbags. Boyd-Welsh, Incorporated, St. Louis, Mo.
Filed Oct. 27, 1949, Serial No. 586,908. Published Dec. 26, 1950. Class 3.

540,436. Game Played With Dice. Malcolm Reybold, New York, N. Y.
Filed Oct. 27, 1949, Serial No. 586,938. Published Nov. 28, 1950. Class 22.

540,437. Baseball Gloves and Mitts. M. Denkert & Company, Johnstown, N. Y.
Filed Nov. 1, 1949, Serial No. 587,102. Published Nov. 28, 1950. Class 22.

540,438. Compounds and Cements Applied to Pipe Joint Threads, Flanges and Gaskets. J. C. Whitlam, doing business as J. C. Whitlam Manufacturing Co., Wadsworth, Ohio.
Filed Nov. 1, 1949, Serial No. 587,137. Published Jan. 2, 1951. Class 12.

540,439. Pressing Oil for the Hair, a Croquignole Oil, a Hair Tonic, and a Face Cream. S. Lee Nunley, doing business as S. Lee Products & Invigorator Co., Pittsburgh, Pa.
Filed Sept. 12, 1949, Serial No. 587,142. Published Jan. 9, 1951. Class 51.

540,440. Boys' Jeans, Pants, and Trousers. Goldstone Bros., San Francisco, Calif.
Filed Nov. 7, 1949, Serial No. 587,438. Published Dec. 12, 1950. Class 39.

540,441. Brassières. The H. W. Gossard Co., Chicago, Ill.
Filed Nov. 14, 1949, Serial No. 587,725. Published Sept. 5, 1950. Class 39.

540,442. Negligee and Dress Shirts. Cluett, Peabody & Co. Inc., Troy, N. Y.
Filed Nov. 16, 1949, Serial No. 587,852. Published Nov. 14, 1950. Class 39.

540,443. Trunks. Hartmann Company, Racine, Wis.
Filed Nov. 22, 1949, Serial No. 588,172. Published Jan. 16, 1951. Class 3.

540,444. Art Porcelain and Stoneware Figures of Humans, Animals, and Flowers, Not Ornamented With Precious Metals. Emil Kronmann, Copenhagen, Denmark.
Filed Nov. 23, 1949, Serial No. 588,221. Published Dec. 19, 1950. Class 50.

540,445. Fishing Tackle—Namely, Custom Flies. Thomas J. Hall, Indianapolis, Ind.
Filed Nov. 25, 1949, Serial No. 588,297. Published Nov. 28, 1950. Class 22.

540,446. Insecticides. Commercial Solvents Corporation, New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,552. Published Jan. 9, 1951. Class 6.

540,447. Children's Pedal Cars. The Garton Toy Company, Sheboygan, Wis.
Filed Nov. 30, 1949, Serial No. 588,572. Published Nov. 28, 1950. Class 22.

540,448. Chocolates. Rowntree and Company Limited, York, England.
Filed Dec. 2, 1949, Serial No. 588,709. Published Dec. 5, 1950. Class 46.

540,449. Women's Hats. L. Silberston & Sons Limited, Cambridge Heath, London, England.
Filed Dec. 2, 1949, Serial No. 588,713. Published Nov. 28, 1950. Class 39.

540,450. Artificial Fishing Lures. John O. Trimble, doing business as Voo Doo Lure Co., San Francisco, Calif.
Filed Dec. 2, 1949, Serial No. 588,717. Published Nov. 28, 1950. Class 22.

540,451. Porcelain, China, and Vitrified Dinnerware. Theodore Haviland & Co. Inc., New York, N. Y., now by change of name Haviland & Co., Incorporated.
Filed Dec. 5, 1949, Serial No. 588,801. Published Dec. 12, 1950. Class 30.

540,452. Whiskey. Park & Tilford Distillers, Inc., New York, N. Y.
Filed Dec. 9, 1949, Serial No. 589,110. Published Dec. 5, 1950. Class 49.

540,453. Hats and Hat Bodies Made of Hair, Wool, Felt, or Velour Felt. Tonak, Továrny Na Klobouky, Národni Podnik, Novy Jicin, Czechoslovakia.
Filed Dec. 9, 1949, Serial No. 589,127. Published Dec. 12, 1950. Class 39.

540,454. Acoustical Tile. Simpson Logging Company, Seattle, Wash.
Filed Dec. 10, 1949, Serial No. 589,175. Published Jan. 9, 1951. Class 12.

540,455. Scarfs. The Linbro Mfg. Corp., New York, N. Y.
Filed Dec. 13, 1949, Serial No. 589,263. Published Nov. 28, 1950. Class 39.

540,456. Shirts. The Shirtcraft Company, Inc., New York, N. Y.
Filed Dec. 14, 1949, Serial No. 589,343. Published Nov. 28, 1950. Class 39.

540,457. Nonalcoholic Maltless Beverages Sold as Soft Drinks. Cott Beverage Corporation, New Haven, Conn., a corporation of Delaware, assignee of Cott Beverage Corporation, a corporation of New York.
Filed Dec. 16, 1949, Serial No. 589,431. Published Dec. 19, 1950. Class 45.

540,458. Particulate Carbon Having a General Utility in the Industrial Arts. Columbian Carbon Company, New York, N. Y.
Filed Dec. 23, 1949, Serial No. 589,839. Published Jan. 9, 1951. Class 6.

540,459. Particulate Carbon Having a General Utility in the Industrial Arts. Columbian Carbon Company, New York, N. Y.
Filed Dec. 23, 1949, Serial No. 589,840. Published Jan. 2, 1951. Class 6.

540,460. Hair Tonics. Alois Merke, Philadelphia, Pa.
Filed Dec. 28, 1949, Serial No. 590,027. Published Jan. 2, 1951. Class 51.

540,461. Clothes Line. American Stores Company, Philadelphia, Pa.
Filed Dec. 29, 1949, Serial No. 590,062. Published Dec. 26, 1950. Class 7.

540,462. Coal-Tar Colours; Chemical Substances Used for the Treatment of and Finishing of Textile Fabrics. Ciba Limited, Basel, Switzerland.
Filed Jan. 9, 1950, Serial No. 590,547. Published Jan. 9, 1951. Class 6.

540,463. Cookies and Crackers. Southern Biscuit Company, Incorporated, Richmond, Va.
Filed Jan. 12, 1950, Serial No. 590,764. Published Nov. 28, 1950. Class 46.

540,464. Cosmetic Preparations and Compounds—Namely, Astringents for Toiletry, Henna Rinses, Pomades, Hair Tonics, Facial Packs, Cleansing Cream, Face Powders, Lipsticks, Rouge. Ann Turner, doing business under the name Richglow Henna Company, Glendale, Calif.
Filed Jan. 12, 1950, Serial No. 590,767. Published Jan. 9, 1951. Class 51.

540,465. Ant and Roach Powder, Both With and Without DDT, Etc. Chase Products Co., Maywood, Ill.
Filed Jan. 13, 1950, Serial No. 590,805. Published Jan. 9, 1951. Class 6.

540,466. Cosmetic Creams and Toilet Lotions for Use on the Skin. Bernard C. Duffy, New York, N. Y.
Filed Jan. 14, 1950, Serial No. 590,890. Published Jan. 9, 1951. Class 51.

540,467. Printing Apparatus Adapted To Be Mounted Relative to Conveyors, Etc. Kiwi Coders Corporation, Chicago, Ill.
Filed Jan. 14, 1950, Serial No. 590,894. Published Dec. 12, 1950. Class 23.

540,468. Scorpion and Pest Killing Chemical. Lien Chemical Company, Franklin Park, Ill.
Filed Jan. 21, 1950, Serial No. 591,243. Published Jan. 9, 1951. Class 6.

540,469. Business Shirts for Men and Young Men. Tru-Val Manufacturers, Inc., New York, N. Y.
Filed Jan. 23, 1950, Serial No. 591,328. Published Nov. 28, 1950. Class 39.

540,470. Figurines. Beatrice McLaughlin, Newtown Square, Pa.
Filed Sept. 21, 1949, Serial No. 591,332. Published Dec. 19, 1950. Class 50.

540,471. Artificial Leather. Leonard Freedman & Sons, New York, N. Y.
Filed Jan. 25, 1950, Serial No. 591,415. Published Dec. 19, 1950. Class 50.

540,472. Men's, Women's, and Children's Knitted and Woven Outerwear—Namely, T Shirts, Etc. Manchester Knitted Fashions, Inc., Manchester, N. H.
Filed Jan. 26, 1950, Serial No. 591,500. Published Nov. 28, 1950. Class 39.

540,473. Negligee Shirts, Sport Shirts, Shorts, Sport Jackets, and Ladies' Jackets. The Shirtcraft Company, Inc., New York, N. Y.
Filed Jan. 26, 1950, Serial No. 591,517. Published Nov. 28, 1950. Class 39.

540,474. Stone for the Following Purposes: Flagging, Facades for Buildings and Walls, Window Sills, Step Treads, Wall Copings, and Other Decorative Uses. William F. Watson Stone Corp., Yonkers, N. Y.
Filed Jan. 26, 1950, Serial No. 591,532. Published Jan. 16, 1951. Class 12.

540,475. Carving Tools—Namely, Chisels and Gougers, Files and Rasps. Frank Mittermeier, New York, N. Y.
Filed Jan. 27, 1950, Serial No. 591,578. Published Dec. 5, 1950. Class 23.

540,476. Artificial Flowers in the Nature of Trimmings. George Stanley Paschke, Bremerton, Wash.
Filed Jan. 27, 1950, Serial No. 591,581. Published Nov. 28, 1950. Class 40.

540,477. Shirts for Men, Women, and Children. Fulton Shirt Co. Inc., New York, N. Y.
Filed Jan. 28, 1950, Serial No. 591,617. Published Dec. 12, 1950. Class 39.

540,478. Bandanas or Turbans. R. G. Barry Corp., Columbus, Ohio.
Filed Jan. 30, 1950, Serial No. 591,663. Published Nov. 28, 1950. Class 39.

540,479. Brushes for Painters and Decorators. Solo-Horton Brush Company, Incorporated, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,751. Published Jan. 9, 1951. Class 29.

540,480. Diamond Bits. J. K. Smit & Sons, Inc., Murray Hill, N. J., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J., a corporation of New Jersey.
Filed Feb. 1, 1950, Serial No. 591,808. Published Dec. 5, 1950. Class 23.

540,481. Physicians', Surgeons', and Nurses' Professional Cases or Bags. Nathan Products Corporation, New York, N. Y.
Filed Feb. 4, 1950, Serial No. 591,998. Published Nov. 28, 1950. Class 3.

540,482. Bottle Closures. Edward J. Towns, West Orange, N. J., assignee of Towns Quality Products, Inc.
Filed Feb. 8, 1950, Serial No. 592,171. Published Dec. 19, 1950. Class 50.

540,483. Cartons for Ice Cream and Similar Products. Empire Box Corporation, Garfield, N. J.
Filed Feb. 9, 1950, Serial No. 592,198. Published Dec. 5, 1950. Class 2.

540,484. Yarn of Wool, of Synthetic Fibers, and Combinations Thereof. W. R. Leimgruber, doing business as King Cole Yarn Company, South Hackensack, N. J.
Filed Feb. 10, 1950, Serial No. 592,268. Published Oct. 17, 1950. Class 43.

540,485. Food Processing Equipment—Namely, Particle Size Reduction Machinery, Such as Disintegrators and Microdisintegrators, Prebreakers, Prebreaker Feeders, Elevators, and Presses. Rietz Manufacturing Co., San Francisco, Calif.
Filed Feb. 11, 1950, Serial No. 592,337. Published Jan. 2, 1951. Class 23.

540,486. Horse Shoes for Racing Horses. Thoro'Bred Racing Plate Co., Los Angeles, Calif.
Filed Feb. 11, 1950, Serial No. 592,350. Published Dec. 26, 1950. Class 3.

540,487. Women's Hosiery. Woosley Knitting Mills, Shelbyville, Tenn.
Filed Feb. 13, 1950, Serial No. 592,403. Published Jan. 16, 1951. Class 39.

540,488. Therapeutic Composition for the Treatment of Circulatory Disorders. The Maltine Company, Morris Plains, N. J.
Filed Feb. 15, 1950, Serial No. 592,505. Published Jan. 9, 1951. Class 18.

540,489. Beer. Duquesne Brewing Company of Pittsburg, Pittsburgh, Pa.
Filed Feb. 21, 1950, Serial No. 592,805. Published Dec. 26, 1950. Class 48.

540,490. Cotton Twine. Clement L. Yancey, Jr., doing business as Greensboro Twine Company, Greensboro, N. C.
Filed Feb. 23, 1950, Serial No. 592,966. Published Dec. 26, 1950. Class 7.

540,491. Altimeters and Barometers. Arch F. Munter, doing business under the name and style of The American Paulin System, Los Angeles, Calif.
Filed Feb. 27, 1950, Serial No. 593,136. Published Nov. 7, 1950. Class 26.

540,492. Block of Transparent Plastic Material in Which Is Embedded an Insect, Flower, Photograph, or the Like. Vernon-Benshoff Company, Pittsburgh, Pa.
Filed Feb. 28, 1950, Serial No. 593,195. Published Dec. 19, 1950. Class 50.

540,493. Motion Picture Screens. Da-Lite Screen Company, Inc., Chicago, Ill.
Filed Mar. 7, 1950, Serial No. 593,533. Published Nov. 21, 1950. Class 26.

540,494. Binoculars. Dale Products Corporation, New York, N. Y.
Filed Mar. 8, 1950, Serial No. 593,584. Published Nov. 21, 1950. Class 26.

540,495. Women's Hosiery. Fabergé, Inc., New York, N. Y.
Filed Mar. 8, 1950, Serial No. 593,591. Published Jan. 9, 1951. Class 39.

540,496. Ribbons of Acetate Film and Rayon Yarn Laminated Used for Tying Packages and the Like. Facile Corporation, Paterson, N. J.
Filed Mar. 10, 1950, Serial No. 593,719. Published Dec. 26, 1950. Class 7.

540,497. Garbage Cans and Trash Cans. Metalcraft Manufacturing Corporation, Memphis, Tenn.
Filed Mar. 10, 1950, Serial No. 593,737. Published Jan. 9, 1951. Class 2.

540,498. Ladies' Accessory Zipper Traveling Bags. Platt Luggage, Inc., Chicago, Ill.
Filed Mar. 11, 1950, Serial No. 593,825. Published Nov. 28, 1950. Class 3.

540,499. Carbon Paper and for Typewriter Ribbons. Goldsmith Bros., New York, N. Y.
Filed Mar. 14, 1950, Serial No. 593,918. Published Jan. 9, 1951. Class 11.

540,500. Umbrellas. Arthur P. Pfeil, Buffalo, N. Y.
Filed Mar. 14, 1950, Serial No. 593,930. Published Dec. 26, 1950. Class 41.

540,501. Matrix, Dry Mat, or Board Used in Stereotyping or Electrotyping. Certified Dry Mat Corporation, New York, N. Y.
Filed Mar. 15, 1950, Serial No. 593,972. Published Dec. 19, 1950. Class 50.

540,502. Wines. The Hammer Company, Cleveland, Ohio.
Filed Mar. 15, 1950, Serial No. 593,985. Published Jan. 9, 1951. Class 47.

540,503. Hand Knitting and Fingering Yarns, Mending Yarns, Tapestry Yarns, and Yarns for Embroidery Made of Pure Wool Fibre. Fielding & Johnson Limited, Leicester, England.
Filed Mar. 16, 1950, Serial No. 594,029. Published Dec. 26, 1950. Class 43.

540,504. Leather Cases Adapted for Holding Coins, Metal Checks, or Tokens. Stanley & Stanley, Incorporated, New York, N. Y.
Filed Mar. 17, 1950, Serial No. 594,152. Published Jan. 16, 1951. Class 3.

540,505. Medicinal Preparation for the Treatment of Hormonal Insufficiencies and Dysfunctions. The Upjohn Company, Kalamazoo, Mich.
Filed Mar. 17, 1950, Serial No. 594,157. Published Jan. 9, 1951. Class 18.

540,506. Hand Luggage and Trunks, Etc. Oshkosh Trunks and Luggage, Oshkosh, Wis.
Filed Mar. 7, 1950, Serial No. 594,422. Published Jan. 2, 1951. Class 3.

540,507. Bivalent Vaccines for the Immunization of Animals. American Cyanamid Company, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,428. Published Jan. 9, 1951. Class 18.

540,508. Trivalent Vaccines for the Immunization of Animals. American Cyanamid Company, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,431. Published Jan. 9, 1951. Class 18.

540,509. Wines. Alice Coleman Colucci, doing business under the name Southern Trading Company, New York, N. Y.
Filed Mar. 24, 1950, Serial No. 594,519. Published Jan. 9, 1951. Class 47.

540,510. Medicinal or Pharmaceutical Preparation Described as Follows: a Cholagogue and Choleratic for Oral and Parenteral Use. Specific Pharmaceuticals, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,671. Published Jan. 9, 1951. Class 18.

540,511. Nylon Knitting Yarn. Robert J. Knipe, doing business as Wissahickon Yarn Company, Jenkintown, Pa.
Filed Mar. 29, 1950, Serial No. 594,846. Published Nov. 28, 1950. Class 43.

540,512. Ladies' Handbags and Beachbags of Leather, Fabric, and Plastic Materials. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Mar. 30, 1950, Serial No. 594,877. Published Jan. 2, 1951. Class 3.

540,513. Cotton and Burlap Bags. Ohio Valley Bag and Burlap Co., Louisville, Ky.
Filed Mar. 30, 1950, Serial No. 594,917. Published Dec. 26, 1950. Class 2.

540,514. Beer. Galveston-Houston Breweries, Inc., Galveston, Tex.
Filed Mar. 31, 1950, Serial No. 594,963. Published Dec. 19, 1950. Class 48.

540,515. Beer. Galveston-Houston Breweries, Inc., Galveston, Tex.
Filed Mar. 31, 1950, Serial No. 594,964. Published Dec. 19, 1950. Class 48.

540,516. Beer. The National Brewing Co., Baltimore, Md.
Filed Mar. 31, 1950, Serial No. 594,982. Published Jan. 9, 1951. Class 48.

540,517. Yarns Composed in Whole or in Part of Cotton and Rayon. Hooker & Sanders, Incorporated, New York, N. Y.
Filed Apr. 1, 1950, Serial No. 595,073. Published Dec. 12, 1950. Class 43.

540,518. Glazed Ceramic Dishes. The French Saxon China Company, Sebring, Ohio.
Filed Apr. 3, 1950, Serial No. 595,132. Published Dec. 12, 1950. Class 30.

540,519. Fulling Mills. Rodney Hunt Machine Company, Orange, Mass.
Filed Apr. 4, 1950, Serial No. 595,211. Published Nov. 28, 1950. Class 23.

540,520. Dress Shields. I. B. Kleinert Rubber Company, New York, N. Y.
Filed Apr. 4, 1950, Serial No. 595,214. Published Nov. 28, 1950. Class 40.

540,521. Tooth Brushes. Escort Laboratories, Inc., Detroit, Mich.
Filed Apr. 6, 1950, Serial No. 595,313. Published Jan. 9, 1951. Class 29.

540,522. Yarns Composed in Whole or in Part of Cotton and Rayon. Hooker & Sanders, Incorporated, New York, N. Y.
Filed Apr. 12, 1950, Serial No. 595,604. Published Dec. 12, 1950. Class 43.

540,523. Voltmeters. Hewlett-Packard Company, Palo Alto, Calif.
Filed Apr. 15, 1950, Serial No. 595,778. Published Dec. 12, 1950. Class 26.

540,524. Frequency Meters, Tachometers, Voltmeters, and Wattmeters. Hewlett-Packard Company, Palo Alto, Calif.
Filed Apr. 15, 1950, Serial No. 595,780. Published Dec. 12, 1950. Class 26.

540,525. Mitten Guards or Securing Devices for Attaching Children's Mittens or Gloves to the Outer Garment Sleeves. M. Kaufman & Sons Corp., New York, N. Y.
Filed Apr. 21, 1950, Serial No. 596,097. Published Jan. 16, 1951 Class 40.

540,526. Billfolds, Pocketbooks, Key Cases, Leather Coin Holders, Pocket Secreturies, Wallets, Coin Purses, Combination Coin Purses and Billfolds, Card Cases, and Pads Cases. E. J. Wilkins Company, Gloversville, N. Y., now by change of name St Thomas Inc., a corporation of New York.
Filed Apr. 21, 1950, Serial No. 596,136. Published Jan. 16, 1951. Class 3.

540,527. Luggage—Namely, Men's and Women's Travelling Bags and Cases, Week End Bags, Wardrobe Cases, Pullman Cases, Valises, and Overnight Bags. Edward Freeman, Philadelphia, Pa.
Filed Apr. 26, 1950, Serial No. 596,336. Published Jan. 16, 1951. Class 3.

540,528. Plywood, Which Will Be Used for Concrete Form Work. The Wheeler Osgood Company, Tacoma, Wash.
Filed Apr. 27, 1950, Serial No. 596,461. Published Jan. 9, 1951. Class 12.

540,529. Device for Attachment to the Handle of a Ladies' Handbag or the Like for Clampingly Holding Gloves and Having Means Whereby the Handbag or the Like, Together With the Attached Gloves, May Be Suspended From a Supporting Surface Such as the Edge of a Table or Counter. Klik Promotions, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,498. Published Dec. 26, 1950. Class 40.

540,530. Wool Yarn. Patons & Baldwins, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,516. Published Dec. 26, 1950. Class 43.

540,531. Wool Yarn. Patons & Baldwins, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,517. Published Dec. 26, 1950. Class 43.

540,532. Knitting Pins. Patons & Baldwins, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,518. Published Dec. 26, 1950. Class 40.

540,533. Knitting Pins. Patons & Baldwins, Inc., New York, N. Y.
Filed Apr. 28, 1950, Serial No. 596,519. Published Dec. 26, 1950. Class 40.

540,534. Liquid Concentrate and Powder for Making Soft Drinks. O-So Grape Co., Chicago, Ill.
Filed May 1, 1950, Serial No. 596,675. Published Nov. 28, 1950. Class 45.

540,535. Ginger Beer. Double Eagle Bottling Co., Cleveland, Ohio.
Filed May 2, 1950, Serial No. 596,720. Published Nov. 28, 1950. Class 45.

540,536. Shoe Laces. Halward I. Risvold, Minneapolis, Minn.
Original filed, act of 1946, Supplemental Register, May 3, 1950; amended to application, Principal Register, Oct. 13, 1950, Serial No. 596,804. Published Dec. 26, 1950. Class 40.

540,537. Transfer Patterns of Paper Transferable by Heat to Any Suitable Objects. Vogart Co., Inc., New York, N. Y.
Filed May 5, 1950, Serial No. 596,962. Published Jan. 16, 1951. Class 40.

540,538. Hair Attachments, Made of Human Hair—Namely, Switches, Wigs, and Toupees. Gold Medal Hair Products, Inc., Brooklyn, N. Y.
Filed May 11, 1950, Serial No. 597,266. Published Jan. 16, 1951. Class 40.

540,539. Glass Dinnerware. Newland, Schneeloch & Piek, Inc., New York, N. Y.
Filed May 11, 1950, Serial No. 597,288. Published Dec. 12, 1950. Class 33.

540,540. Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder. Eugene Schueller, Paris, France.
Filed May 11, 1950, Serial No. 597,299. Published Jan. 9, 1951. Class 51.

540,541. Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder. Eugene Schueller, Paris, France.
Filed May 11, 1950, Serial No. 597,300. Published Jan. 9, 1951. Class 51.

540,542. Machines for Applying Coatings to the Sides of Sheet-Like Bodies Used in Printing. Consolidated Photo Engravers Equipment Company, Chicago, Ill.
Filed May 13, 1950, Serial No. 597,387. Published Jan. 2, 1951. Class 23.

540,543. Wall Panels, Columns, Ceiling Panels, Floor Panels, Door and Window Jams, Plastic Veneer Construction Tiles, Floor Tiles, Acoustical Tiles. W. Wadsworth Wood, Chicago, Ill.
Filed May 29, 1950, Serial No. 597,564. Published Jan. 16, 1951. Class 12.

540,544. Hormone Cream and Hormone Oil. Kathleen Mary Quinlan, Inc., New York, N. Y., assignor to Cynthia Andrews, Inc., New York, N. Y., a corporation of New York.
Filed May 17, 1950, Serial No. 597,626. Published Jan. 9, 1951. Class 51.

540,545. Cleansing Cream. Barbara Gould, Inc., New York, N. Y.
Filed May 18, 1950, Serial No. 597,679. Published Jan. 9, 1951. Class 51.

540,546. Seam Binding. Amoe Notion Co., New York, N. Y.
Filed May 24, 1950, Serial No. 597,995. Published Dec. 26, 1950. Class 40.

540,547. Bag or Case Comprising a Mirror, Change Dispenser, and Bill and Card Pocket. Columbia Products Corporation, Brooklyn, N. Y.
Filed May 26, 1950, Serial No. 598,158. Published Dec. 26, 1950. Class 3.

540,548. Twines, Cords, Ropes, and Tape Suitable for Tying Purposes. Hooper Paper & Twine Co., Inc., Philadelphia, Pa.
Filed May 26, 1950, Serial No. 598,182. Published Dec. 26, 1950. Class 7.

540,549. Hair Clips. Royal Hair Pin Corporation, New York, N. Y.
Filed May 31, 1950, Serial No. 598,388. Published Dec. 26, 1950. Class 40.

540,550. Matrices for Tire Retreading Equipment. James C. Heintz & Company, Inc., Cleveland, Ohio.
Filed June 1, 1950, Serial No. 598,410. Published Jan. 2, 1951. Class 23.

540,551. Billfolds. Consolidated Leather Mfg. Co., Inc., New York, N. Y.
Filed June 7, 1950, Serial No. 598,708. Published Nov. 28, 1950. Class 3.

540,552. Knives, Forks and Spoons. Hammond Research Corporation, Gloucester, Mass.
Filed June 8, 1950, Serial No. 598,793. Published Dec. 5, 1950. Class 23.

540,553. Lawn Mowers. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed June 10, 1950, Serial No. 598,904. Published Dec. 5, 1950. Class 23.

540,554. Trunks. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed June 10, 1950, Serial No. 598,905. Published Nov. 28, 1950. Class 3.

540,555. Wrapping Twines, Binder Twine, Baler Twine and Rope, All Made of Fibre. Henequen Industrial, S. de R. L. de C. V., Merida, Yucatan, Mexico.
Filed June 15, 1950, Serial No. 599,171. Published Jan. 16, 1951. Class 7.

540,556. Gasoline-Powered Materials Handling Trucks and Parts Thereof. Lewis-Shepard Products, Inc., Watertown, Mass.
Filed June 15, 1950, Serial No. 599,184. Published Jan. 2, 1951. Class 23.

540,557. Billfolds and Wallets. Fran-Stef Manufacturing Company, New York, N. Y.
Filed June 17, 1950, Serial No. 599,322. Published Dec. 26, 1950. Class 3.

540,558. Billfolds and Wallets. Fran-Stef Manufacturing Company, New York, N. Y.
Filed June 17, 1950, Serial No. 599,323. Published Dec. 26, 1950. Class 3.

540,559. Wallets. Marioness & Co., Inc., New York, N. Y.
Filed June 17, 1950, Serial No. 599,333. Published Nov. 28, 1950. Class 3.

540,560. Umbrellas. Folding Products Mfg. Corp., New York, N. Y.
Filed June 22, 1950, Serial No. 599,561. Published Dec. 26, 1950. Class 41.

540,561. Beer. Maier Brewing Company, Los Angeles, Calif.
Filed June 27, 1950, Serial No. 599,834. Published Jan. 9, 1951. Class 48.

540,562. Accessories for the Use of Cats and Dogs—Namely, Sweaters, Towels, Bathrobes, Bathing Suits, and Grooming Kits. Miriam C. Acker, New York, N. Y.
Filed June 29, 1950, Serial No. 599,918. Published Jan. 16, 1951. Class 3.

540,563. Crimped Ribbon-Like Tape Made of Sized Non-Woven Yarns and Used for Tying Up and Ornamenting Packages, Boxes, and Containers. Chicago Printed String Company, Chicago, Ill.
Filed June 30, 1950, Serial No. 600,031. Published Nov. 28, 1950. Class 7.

540,564. Combs. Foster Grant Co., Inc., Leominster, Mass.
Filed July 19, 1950, Serial No. 600,885. Published Dec. 5, 1950. Class 40.

540,565. Bust Pads for Use In Brassières. Sears, Roebuck and Co., Chicago, Ill.
Filed July 20, 1950, Serial No. 600,986. Published Jan. 16, 1951. Class 40.

540,566. Stainless Steel Table Cutlery—Namely, Knives, Forks, and Spoons. National Silver Company, New York, N. Y.
Filed July 24, 1950, Serial No. 601,165. Published Dec. 12, 1950. Class 23.

540,567. Bob Pins. Flamingo Products, Inc., Danville, Ill.
Filed Aug. 7, 1950, Serial No. 601,827. Published Jan. 9, 1951. Class 40.

540,568. Yarns. Durene Association of America, New York, N. Y.
Filed Aug. 9, 1950, Serial No. 601,982. COLLECTIVE MARK. Published Jan. 16, 1951. Class 43.

540,569. Felt Base Floor Coverings. Armstrong Cork Company, Lancaster, Pa.
Filed Aug. 10, 1950, Serial No. 602,016. Published Jan. 2, 1951. Class 20.

540,570. Millinery Braids. Armand Schwab & Co., Inc., New York, N. Y.
Filed Aug. 19, 1950, Serial No. 602,472. Published Dec. 26, 1950. Class 40.

540,571. Ladies' Handbags Made of Cotton, Wool, Rayon, and Nylon, and Combinations Thereof. The Terry Company, Inc., Asheville, N. C.
Filed Aug. 23, 1950, Serial No. 602,652. Published Jan. 9, 1951. Class 3.

Service Marks

540,572. Developing and Processing of Camera Film and the Making of Photographic Prints and Enlargements Therefrom. Atlas Supply Company, doing business under the name of Magnapix Film Service, Newark, N. J.
Filed Nov. 26, 1947, Serial No. 542,431. Published Jan. 9, 1951. Class 106.

540,573. Mechanical Engineering Advisory Services as to Use, Inspection and Maintenance by Others, of Machinery and Machine Parts—Namely, Air Brakes, Etc. The New York Air Brake Company, Watertown and New York, N. Y.
Filed Aug. 12, 1948, Serial No. 563,273. Published Jan. 9, 1951. Class 100.

540,574. Advertising of Sponsors' Goods Through the Medium of a Radio Program. WJIM, Lansing, Mich.
Filed May 25, 1949, Serial No. 582,200. Published Jan. 9, 1951. Class 101.

540,575. Entertainment Services—Namely, Ice Skating Exhibitions of Ballroom Dancing on Ice, Presented on Stages, in Arenas and Auditoriums, and Presented on Television and in Moving Pictures. Markhus and Thomas, Manhattan Beach, Calif.
Filed Jan. 25, 1950, Serial No. 591,430. Published Jan. 9, 1951. Class 107.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

540,576. (Class 6. Chemicals and Chemical Compositions.) Aime H. Paradis, doing business as

BLUE LEACH

Chemical Co., Manchester, N. H. Original filed, act of 1905, Aug. 21, 1946; amended to application under act of 1946, Supplemental Register, Sept. 21, 1949, Serial No. 507,745.

BLUE LEACH

For Laundering Liquid.
Claims use since July 11, 1946.

540,577. (Class 49. Distilled Alcoholic Liquors.) Pellisson Pere & Cie, Cognac, Charente, France. Original filed, act of 1905, June 14, 1947; amended to application under act of 1946, Supplemental Register, May 20, 1950, Serial No. 524,205.

PELLISSON



Applicant claims ownership of U. S. Registrations Nos. 305,583 and 315,094.
For Brandy.
Claims use since 1935 in France and since 1935 in commerce between France and the United States which may lawfully be regulated by Congress.

540,578. (Class 39. Clothing.) Robert Stephen Manufacturing Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Aug. 14, 1947; amended to application, Supplemental Register, Nov. 15, 1950, Serial No. 531,393.



For Infant's Sleeping Bag-Like Covering.
Claims use since Apr. 15, 1947.

540,579. (Class 16. Paints and Painters' Materials.) Sellers and Smith Co., Buffalo, N. Y. Original filed, act of 1946, Principal Register, Aug. 27, 1947; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 532,644.

NEV-R-SPOT

For Transparent Wallpaper Coating in the Nature of a Paint.
Claims use since Mar. 3, 1947.

540,580. (Class 39. Clothing.) The Belk Brothers Company, Charlotte, N. C. Original filed, act of 1946, Principal Register, Sept. 22, 1947; amended to application, Supplemental Register, Jan. 5, 1951, Serial No. 535,218.

MANSTYLE

For Men's Suits, Top Coats, Leather and Cotton Jackets, Coats, Sweaters, Lounging and Bath Robes, and Trousers.
Claims use since Apr. 12, 1947.

540,581. (Class 46. Foods and Ingredients of Foods.) Roy Webster, doing business as Roy Webster Orchards, Hood River, Oreg. Original filed, act of 1946, Principal Register, Nov. 7, 1947; amended to application, Supplemental Register, May 31, 1949, Serial No. 540,505.

OLD OREGON

For Fresh Apples.
Claims use since Sept. 3, 1947.

540,582. (Class 2. Receptacles.) Deubener's Shopping Bag, Indianapolis, Ind. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, July 14, 1950, Serial No. 548,939.



Applicant claims ownership of Registrations Nos. 152,060 and 152,061.
For Shopping Bags.
Claims use since Nov. 15, 1918.

540,583. (Class 2. Receptacles.) Deubener's Shopping Bag., Indianapolis, Ind. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, July 14, 1950, Serial No. 548,940.



Applicant claims ownership of Registrations Nos. 152,060 and 152,061.
For Shopping Bags.
Claims use since Nov. 15, 1918.

540,584. (Class 2. Receptacles.) Deubener's Shopping Bag, Indianapolis, Ind. Original filed, act of 1946, Principal Register, Feb. 26, 1948; amended to application, Supplemental Register, Sept. 14, 1950, Serial No. 550,587.

LEATHERLYKE

Applicant claims ownership of Registration No. 287,299.
For Paper Bags.
Claims use since September 1927.

540,585. (Class 39. Clothing.) Modern Food Products Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Apr. 3, 1948; amended to application, Supplemental Register, Oct. 2, 1950, Serial No. 553,781.



The Japanese characters called Daimaru may be translated to English as "large circle." The Japanese word "Edokko" means "children of Tokyo or a Tokyoite" in English.
For Slippers, Boots and Shoes for Men, Women and Children.
Claims use since Feb. 28, 1948.

540,586. (Class 52. Detergents and Soaps.) The Procter & Gamble Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Apr. 7, 1948; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 554,043.

THE SOAP OF BEAUTIFUL WOMEN

For Sudsing Cleaner, Cleanser and Detergent.
Claims use since January 1932.

540,587. (Class 32. Furniture and Upholstery.) Leo Maxwell Co., Inc., Oklahoma City, Okla. Original filed, act of 1946, Principal Register, Apr. 16, 1948; amended to application, Supplemental Register, July 29, 1949, Serial No. 554,800.

MAXWELL HOUSE FURNITURE

For Furniture—Namely, Living Room Furniture—Namely, Platform Rockers, Lounge Chairs, Occasional Chairs, Chairs Not Upholstered, Studio Couches, Divans, Sectional Divans, Upholstered Ottomans; Dining Room Suites—Namely, Dining Tables, Chairs, Buffets, China Cabinets, Serving Tables; Bedroom Suites—Namely, Beds, Springs, Mattresses, Bedroom Tables, Dressing Tables, Chests of Drawers, Benches, Dressers, Desks, Record Cabinets; Dinette Suites—Namely, Tables and Chairs.
Claims use since Feb. 19, 1948.

540,588. (Class 12. Construction Materials.) Higgins Industries, Inc., New Orleans, La., assignor to Higgins Resources, Inc., New Orleans, La., a corporation of Louisiana. Original filed, act of 1946, Principal Register, May 19, 1948; amended to application, Supplemental Register, Dec. 16, 1949, Serial No. 557,357.

Higgins

Applicant claims ownership of Registration No. 418,514.
For Mixture of Portland Cement and Other Materials Used in Making Construction Blocks, Insulating Material, Plaster, Mortar, and Moisture Repellant Coating; Also Light Gauge Porcelain Steel in Sheet Form, Used in the Construction of Portable Houses.
Claims use since July 1943.

540,589. (Class 51. Cosmetics and Toilet Preparations.) Ford E. Bridges, Tulsa, Okla. Original filed, act of 1946, Principal Register, July 23, 1948; amended to application, Supplemental Register, Sept. 29, 1950, Serial No. 562,025.

BRUSH-A-WAY

For Denture Cleansing and Deodorant Preparations for Personal Use.
Claims use since Dec. 1, 1947.

540,590. (Class 4. Abrasives and Polishing Materials.) John William Cooper, doing business as Blue Grass Polish Co., Lexington, Ky. Original filed, act of 1946, Principal Register, July 26, 1948; amended to application, Supplemental Register, Dec. 20, 1949, Serial No. 562,181.

FULL-O-SHINE

For Furniture Polish, Automobile Polish, Silver Polish, Metal Polish, and Liquid Dry Cleaner.
Claims use since Oct. 6, 1947.

540,591. (Class 32. Furniture and Upholstery.) Certified Chrome Furniture Co., Inc., Los Angeles, Calif. Filed Aug. 23, 1948, Serial No. 563,842.

NO-MAR

For Metal Frame Chairs With Upholstered Seats and Backs.
Claims use since Dec. 10, 1940.

540,592. (Class 39. Clothing.) Netz Glove & Mitten Co., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Jan. 11, 1949; amended to application, Supplemental Register, June 26, 1950, Serial No. 571,987.



For Dress, Work, Hunting, and Handball Leather Gloves and Leather Mittens for Men, Women, and Children.
Claims use since Jan. 2, 1947.

540,593. (Class 12. Construction Materials.) C-Thru Aluminum Awning Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Feb. 21, 1949; amended to application, Supplemental Register, June 12, 1950, Serial No. 574,203.

C-THRU

For Metal Slat Type Awnings, Sold Assembled, and also Sold Collapsed and in Packages.
Claims use since Apr. 1, 1948.

540,594. (Class 32. Furniture and Upholstery.) Koneta Products, Wapakoneta, Ohio. Original filed, act of 1946, Principal Register, Feb. 21, 1949; amended to application, Supplemental Register, Aug. 4, 1950, Serial No. 574,231.



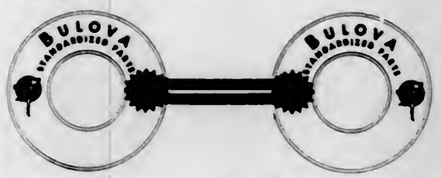
For Portable or Folding Bed.
Claims use since Dec. 7, 1948.

540,595. (Class 51. Cosmetics and Toilet Preparations.) Schratz Products, Detroit, Mich. Original filed, act of 1946, Principal Register, June 10, 1949; amended to application, Supplemental Register, July 14, 1950, Serial No. 580,264.



For Bath Oils and Bath Perfuming Compounds.
Claims use since Jan. 1, 1949.

540,596. (Class 27. Horological Instruments.) Bulova Watch Company, Inc., New York, N. Y. Filed May 14, 1949, Serial No. 581,051.



Applicant claims ownership of Registrations Nos. 226,889, 184,904, and others.
For Parts of Watches Sold Separately for Use in the Repair of Watches—Namely, Springs, Balance Staffs, Stems, Dials, and Crowns.
Claims use since July 26, 1948.

540,597. (Class 12. Construction Materials.) Edward B. Currigan, doing business as Nupave Products Co., Oakland, Calif. Original filed, act of 1946, Principal Register, June 25, 1949; amended to application, Supplemental Register, Aug. 28, 1950, Serial No. 581,061.

NUPAVE

For Packaged Ready Mixed Asphaltic Material for Paving and Surfacing and Asphaltic Primers for Pavement Surfaces.
Claims use since Jan. 1, 1949.

540,598. (Class 12. Construction Materials.) Bird & Son, inc., East Walpole, Mass. Original filed, act of 1946, Principal Register, June 29, 1949; amended to application, Supplemental Register, July 6, 1950, Serial No. 581,243.

TWIN LOCK

For Mineral-Surfaced Asphalt-Saturated Felt Shingles for Roofing and Siding.
Claims use since Jan. 28, 1931.

540,599. (Class 39. Clothing.) C. & J. Clark Limited, Street, England. Filed Aug. 4, 1949, Serial No. 582,944.

Clarks

Applicant claims ownership of British Registration No. 629,852, dated June 12, 1944.
For Boots, Shoes, and Slippers for Men, Women, and Children.

540,600. (Class 16. Paints and Painters' Materials.) The Sherwin-Williams Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Sept. 7, 1949; amended to application, Supplemental Register, Apr. 19, 1950, Serial No. 584,550.

FLASH DRI

Applicant claims ownership of Registration No. 308,541.
For Ready-Mixed Paint for Use on Wood and Metal Surfaces.
Claims use since Apr. 16, 1946.

540,601. (Class 39. Clothing.) Horton Garment Co., Horton, Kans. Original filed, act of 1946, Principal Register, Sept. 24, 1949; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 585,282.

Janes

For Ladies', Misses' and Junior Misses' Two Piece Sportswear Outfits, Consisting of a Denim Skirt and a Short Denim Work Jacket.
Claims use since July 1949.

540,602. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The National Cash Register Company, Dayton, Ohio. Original filed, act of 1946, Principal Register, Sept. 24, 1949; amended to application, Supplemental Register, July 21, 1950, Serial No. 585,295.

"Write where you are"

For Autographic Registers.
Claims use since June 14, 1949.

540,603. (Class 45. Soft Drinks and Carbonated Waters.) Southland Beverage Co. Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 3, 1949; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 585,725.

BERGAN-DEE

For Non-Alcoholic Maltless Soft Drink.
Claims use since Mar. 1, 1949.

540,604. (Class 51. Cosmetics and Toilet Preparations.) Frances Denney, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Oct. 18, 1949; amended to application, Supplemental Register, Sept. 27, 1950, Serial No. 586,470.

Mrs. Santa Claus comes to town

For Perfume, Cologne Essence, Bath Powder, Sachet in Powder Form, Bath Oil, Lipsticks, Toilet Water, Face Powder, Toilet Creams, Rouge.
Claims use since Sept. 13, 1949.

540,605. (Class 39. Clothing.) Presler Footwear, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 21, 1949; amended to application, Supplemental Register, Nov. 30, 1950, Serial No. 586,651.



For Ladies', Misses' and Children's Play Shoes, Made of Leather, Fabrics and/or Compositions or Combinations Thereof.
Claims use since Oct. 1, 1949.

540,606. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) Stewart-Reck Tire and Supply, Inc., Hutchinson, Kans. Original filed, act of 1946, Principal Register, Oct. 24, 1949; amended to application, Supplemental Register, May 5, 1950, Serial No. 586,774.

ROL KLEEN

For Rubber Tires for Agricultural Implements.
Claims use since May 1, 1949.

540,607. (Class 12. Construction Materials.) Childers Manufacturing Co., Houston, Tex. Filed Oct. 25, 1949, Serial No. 586,790.

CROSS-CRIMP

For Aluminum Roofing Panels.
Claims use since November 1948.

540,608. (Class 32. Furniture and Upholstery.) Francis W. Hagerty, Cohasset, Mass. Original filed, act of 1946, Principal Register, Oct. 29, 1949; amended to application, Supplemental Register, Jan. 20, 1951, Serial No. 587,026.

Cohasset Colonial

For Chairs and Chair Kits, Including Prefabricated Parts for Chairs in Knocked Down Form.
Claims use since Oct. 14, 1949.

540,609. (Class 40. Fancy Goods, Furnishings, and Notions.) Cotter Products Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1949; amended to application, Supplemental Register, Dec. 27, 1950, Serial No. 589,195.

THREAD-ZIT

For Needle Threaders for Hand Sewing.
Claims use since Dec. 1, 1949.

540,610. (Class 28. Jewelry and Precious-Metal Ware.) Max H. Storch, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 28, 1950; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 593,192.

Chase
DANISH CROWN

For Silverplated and Sterling Silver Knives, Forks, Spoons, and Other Tableware.
Claims use since Jan. 20, 1950.

540,611. (Class 28. Jewelry and Precious-Metal Ware.) Max H. Storch, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 28, 1950; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 593,193.

STERLING WARE £ CHASE

For Silverplated and Sterling Silver Knives, Forks, Spoons, and Other Tableware.
Claims use since Jan. 20, 1950.

540,612. (Class 51. Cosmetics and Toilet Preparations.) Grace Pauline Worsham, Summerville, Ga. Filed Jan. 31, 1950, Serial No. 593,624.

Worsham's

For Wrinkle Cream.
Claims use since Jan. 2, 1948.

540,613. (Class 32. Furniture and Upholstery.) P. O. Moore, Inc., New York, N. Y. Filed Mar. 31, 1950, Serial No. 594,980.

MOORE KEY CONTROL

For Key Filing Cabinets—Namely, Drawer Cabinets and Swinging Panel Cabinets.
Claims use since Mar. 11, 1949.

540,614. (Class 49. Distilled Alcoholic Liquors.) Medley Distilling Company, Owensboro, Ky. Original filed, act of 1946, Principal Register, Apr. 1, 1950; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 595,079.

Heart of the Run

For Whiskey.
Claims use since Dec. 11, 1947.

540,615. (Class 1. Raw or Partly Prepared Materials.) Imperial Breeding Farms, Ottumwa, Iowa. Original filed, act of 1946, Principal Register, May 11, 1950; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 597,275.

SUPER-LINES

For Poultry, Consisting of Chicks To Be Raised for Egg Laying and Eating Purposes.
Claims use since Sept. 1, 1947.

540,616. (Class 39. Clothing.) Femode Foundations, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 19, 1950; amended to application, Supplemental Register, Jan. 24, 1951, Serial No. 597,742.

NIP N' MOLD

For Ladies' and Misses' Corsets, Corselettes, Brassières, Bandeaux, and Panties.
Claims use since Dec. 6, 1948.

540,617. (Class 2. Receptacles.) Sutherland Paper Company, Kalamazoo, Mich. Filed May 25, 1950, Serial No. 598,124.

LUSTERCOTE

For Collapsible Cartons Made of Fibre Box Board or Container Board.
Claims use since Mar. 25, 1949.

540,618. (Class 4. Abrasives and Polishing Materials.) S. C. Johnson & Son, Inc., Racine, Wis. Filed Aug. 19, 1950, Serial No. 602,431.

WAX-PLATE

For Polish for Automobile and Like Metal Surfaces.
Claims use since Sept. 10, 1948.

Certification Mark

540,619. (Class 46. Foods and Ingredients of Foods.) Reedley Chamber of Commerce, Reedley, Calif. Filed Sept. 18, 1950, Serial No. 603,700.

"THE WORLD'S FRUIT BASKET"

For Fresh Deciduous Fruits.
Claims use since November 1946.

TRADE-MARK REGISTRATIONS RENEWED

35,662. JUNIOR. Registered Dec. 25, 1900. National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Re-renewed Dec. 25, 1950, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Bakery Products and Confectionery. Class 46.

35,766. MONARCH. Registered Jan. 15, 1901. Kullman, Salz & Co., San Francisco, Calif. Re-renewed Jan. 15, 1951, to Monarch Leather Company, Chicago, Ill., a corporation of Illinois. Leather of All Descriptions. Class 1.

79,511. "ROBBIALAC" ETC. AND DRAWING. Registered Sept. 13, 1910. John Charles Nicholson, Stratford, England. Re-renewed Sept. 13, 1950, to Jenson & Nicholson Limited, London, England, a corporation organized under the laws of Great Britain. Liquid Paints for Decorative, Preserving, and Similar Purposes, and Varnishes. Class 16.

80,465. Representation of Shaker Woman. Registered Dec. 27, 1910. Diamond Crystal Salt Company, St. Clair, Mich. Re-renewed Dec. 27, 1950, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Salt. Class 46.

80,880. REXALL. Registered Feb. 7, 1911. United Drug Company, Boston, Mass. Re-renewed Feb. 7, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Toilet Soaps, Liquids for Cleaning Eyeglasses, Etc., and for Cleansing the Skin From Dirt, Grease, Etc. Class 51.

81,462. CATAWBA. Registered Apr. 11, 1911. The Wm. J. Hooper Mfg. Co., Baltimore, Md. Re-renewed Apr. 11, 1951, to The Linen Thread Co., Inc., Paterson, N. J., a corporation of Delaware. Twine and Cord. Class 7.

82,020. FAIRYLAND. Registered May 23, 1911. Rice-Stix Dry Goods Company. Re-renewed May 23, 1951, to Rice-Stix, Inc., St. Louis, Mo., a corporation of Missouri. Cotton Piece Goods. Class 42.

82,105. Representation of Grotesque Figure Dipping From Caldron. Registered May 30, 1911. Paas Dye Company, Newark, N. J., a corporation of New Jersey. Re-renewed May 30, 1951. Egg-Dyes. Class 6.

275,936. SOMASTIC. Registered Oct. 7, 1930. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware. Renewed Oct. 7, 1950. Asphalt, Etc. Class 12.

276,730. "DON DIEGO" AND PORTRAIT. Registered Oct. 28, 1930. San Diego Fruit & Produce Company, San Diego, Calif., a corporation of California. Renewed Oct. 28, 1950. Fresh Apples, Pears, Peaches, Plums, Cherries, Apricots, Peas, Tomatoes, Etc. Class 46.

276,911. WATER-TITE. Registered Oct. 28, 1930. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 28, 1950 (Supplemental Register). Wrist Watches. Class 27.

278,762. RÄMET. Registered Dec. 30, 1930. Fansteel Products Company, Inc. Renewed Dec. 30, 1950, to Vascoloy-Ramet Corporation, North Chicago, Ill., a corporation of Delaware. Metals and Alloys Thereof Adapted to Make Metal Working and Cutting Tools, Etc. Class 14.

278,835. BREX. Registered Dec. 30, 1930. F. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Renewed Dec. 30, 1950, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Scrapple. Class 46.

279,027. QUEENETTE. Registered Jan. 6, 1931. Haas, Baruch & Co., Los Angeles, Calif., a corporation of California. Renewed Jan. 6, 1951. Canned Fish, Canned Fruits, Canned Vegetables, Etc. Class 46.

279,033. DEAN'S. Registered Jan. 6, 1931. Dean's, New York, N. Y., a corporation of New York. Renewed Jan. 6, 1951. Baked Goods—Namely, Cakes, Pies, Cookies, Etc. Class 46.

279,052. "METROX" AND DESIGN. Registered Jan. 6, 1931. The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 6, 1951. Lead Oxides for Use as Paint Pigments. Class 16.

279,112. DRAGON. Registered Jan. 6, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Jan. 6, 1951. Artificial Bait, Such as Spinners. Class 22.

279,239. TUBE-TURN. Registered Jan. 13, 1931. Tube-Turns Incorporated. Renewed Jan. 13, 1951, to Tube Turns, Inc., Louisville, Ky., a corporation of Kentucky. Metal Bent-Pipe Sections. Class 13.

279,253. REPRESENTATION OF LUMP OF COKE WITH GILT OR GOLD-COLORED SPOTS. Registered Jan. 13, 1931. The Koppers Company. Renewed Jan. 13, 1951, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Coke. Class 1.

279,384. "UNICORN" AND DRAWING. Registered Jan. 13, 1931. Francis H. Leggett & Company, New York, N. Y., a corporation of New York. Renewed Jan. 13, 1951. Canned Vegetables, Canned Fruits, and Canned Fish. Class 46.

279,405. "CLOROX" AND DRAWING LINED FOR LIGHT BLUE, VERMILION, AND DARK BLUE. Registered Jan. 13, 1931. Clorox Chemical Co., Oakland, Calif., a corporation of Delaware. Renewed Jan. 13, 1951. Bleaching, Cleansing, Antiseptic, and Germicidal Compounds. Class 52.

279,412. "REX-MENTHO" ETC. Registered Jan. 13, 1931. United Drug Company, Boston, Mass. Renewed Jan. 13, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Medicinal Preparation Consisting of an Ointment or Salve With Inhalant Properties for Relieving the Discomforts of Common Colds, Etc. Class 18.

279,758. REPRESENTATION OF BLEACHER AND LADLE. Registered Jan. 20, 1931. Société Anonyme Rey Aîné, Brussels, Belgium, a corporation organized under the laws of the Kingdom of Belgium. Renewed Jan. 20, 1951. Linen Piece Goods, Cotton Piece Goods, Etc. Class 42.

279,879. FLORAMOR CREPE. Registered Feb. 3, 1931. The Patricia Petticoat Co. Inc. Renewed Feb. 3, 1951, to Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York. Women's and Misses' Silk Undergarments—Namely, Chemises, Etc. Class 39.

280,009. KODALITH. Registered Feb. 10, 1931. Eastman Kodak Company. Renewed Feb. 10, 1951, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Photographic Developer. Class 6.

280,058. "LIVE WIRE" AND DESIGN. Registered Feb. 10, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 10, 1951. Artificial Bait Such as Minnows. Class 22.

280,177. DUXIN. Registered Feb. 10, 1931. Antonino R. Martino, doing business as Italy Laboratories. Renewed Feb. 10, 1951, to Italy Laboratories, Inc., New York, N. Y., a corporation of New York. Hair Color Restorer, Etc. Class 51.

280,313. "ROYAL" AND DRAWING. Registered Feb. 10, 1931. Chattanooga Implement & Mfg. Co., Chattanooga, Tenn., a corporation of Tennessee. Renewed Feb. 10, 1951. Andirons, Hearth Fenders, Fireplace Screens, Etc. Class 34.

280,892. BOND-OST. Registered Mar. 3, 1931. C. A. Carlson Company. Renewed Mar. 3, 1951, to Swedish Produce Company, Chicago, Ill., a corporation of Illinois. Cheese. Class 46.

280,952. HYDRO. Registered Mar. 3, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Mar. 3, 1951. Artificial Bait Such as Spinners. Class 22.

281,027. "HOLT'S MASTER CRAFTSMAN" AND DESIGN. Registered Mar. 10, 1931. The Jared Holt Company, Albany, N. Y., a corporation of New York. Renewed Mar. 10, 1951. Shoe and Leather Oils, Dressings, and Polishes—Namely, Heel Balls, Etc. Class 4.

282,090. LAND O'SMILES. Registered Apr. 7, 1931. Producers Creamery Company, Springfield, Mo., a corporation of Missouri. Renewed Apr. 7, 1951. Cottage Cheese. Class 46.

282,796. CANE PATCH. Registered May 5, 1931. Walter Blair Roddenbery. Renewed May 5, 1951, to W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia. Cane Syrup. Class 46.

282,892. THEAMIN. Registered May 5, 1931. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed May 5, 1951. Powder in Capsule Form Useful as a Diuretic. Class 18.

283,000. "PIONEER BRAND CHICKS" AND DRAWING. Registered May 12, 1931. The Pioneer Hatchery, Inc., Petaluma, Calif., a corporation of California. Renewed May 12, 1951. Live Baby Chickens. Class 1.

283,006. SUNNYFIELD. Registered May 12, 1931. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed May 12, 1951. Scotch Peas, Yellow Split Peas, Green Split Peas, and for Lima Beans, Etc. Class 46.

283,092. CLATEX. Registered May 19, 1931. Streator Brick Company, Streator, Ill., a corporation of Illinois. Renewed May 19, 1951. Face Brick. Class 12.

283,190. "FAITH FABRICS" AND DESIGN. Registered May 19, 1931. Faith Mills, Inc., Averill Park, N. Y., a corporation of New York. Renewed May 19, 1951. Knit Wool, Wool-Mixed Cloth, Etc. Class 42.

283,431. REMEMBRANCE. Registered May 26, 1931. Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota. Renewed May 26, 1951. Etchings, Printed Etchings, Greeting Cards, Water-Color Prints, and Gravure Etchings. Class 38.

283,713. CEN-PE-CO. Registered June 2, 1931. Grace B. Carran, doing business as Central Petroleum Company. Renewed June 2, 1951, to Central Petroleum Company, Cleveland, Ohio, a corporation of Ohio. Barn Paint, Factory Paint, House Paint, Metal Paint, and Roof Paint. Class 16.

283,717. LO-HI. Registered June 2, 1931. Marlboro Shirt Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed June 2, 1951. Men's Dress and Work Shirts. Class 39.

283,831. ALKA-SELTZER. Registered June 9, 1931. Dr. Miles Medical Company. Renewed June 9, 1951, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana. Anti-Acid Effervescent Preparations. Class 18.

284,010. "GUARDIAN OF THE PAVEMENT" AND DRAWING. Registered June 9, 1931. W. R. Meadows, Inc., Elgin, Ill., a corporation of Illinois. Renewed June 9, 1951. Construction Materials Composed of Asphalt and Fibre or Other Binding Material Therefor—Namely, Expansion Joint, Etc. Class 12.

284,022. "WASHINGTON DRY MORTAR BRICK-LOK" AND DRAWING. Registered June 9, 1931. The Standard Lime and Stone Company, Martinsburg, W. Va., and Baltimore, Md. Renewed June 9, 1951, to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland. Dry Mortar. Class 12.

284,064. CUPID. Registered June 16, 1931. Harry J. Sohmer, doing business as Sohmer & Co. Renewed June 16, 1951, to Sohmer & Co. Inc., New York, N. Y., a corporation of New York. Pianos. Class 36.

284,080. HIGH SPEED. Registered June 16, 1931. Comfort Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed June 16, 1951. Saponaceous Compounds for Cleaning the Hands, Shaving Creams, Etc. Class 51.

284,083. RAMSES. Registered June 16, 1931. Julius Schmid. Renewed June 16, 1951, to Julius Schmid, Inc., New York, N. Y., a corporation of New York. Vaginal Diaphragms. Class 44.

284,121. TEXGUM. Registered June 16, 1931. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 16, 1951. Gum Used as an Assistant in the Sizing of Textile Warps. Class 6.

284,140. DUMARI. Registered June 16, 1931. Dumari Textile Co., Inc., New York, N. Y., a corporation of New York. Renewed June 16, 1951. Fabrics in the Piece of Cotton, Linen, Wool, Silk, Etc. Class 42.

284,213. GWALTNEY'S. Registered June 16, 1931. P. D. Gwaltney, Jr. & Co. Inc., Smithfield, Va., a corporation of Virginia. Renewed June 16, 1951. Cured Meats. Class 46.

284,352. VITAMIZED BULL B B. Registered June 23, 1931. Maritime Milling Company, Inc., Buffalo, N. Y., a corporation of New York. Renewed June 23, 1951. Chicken Feed—Namely, Laying Mash, Egg Mash, Chick-Starter Ration, Etc. Class 46.

285,923. ZIP. Registered Aug. 11, 1931. Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey. Renewed Aug. 11, 1951. Depilatories. Class 51.

TRADE-MARK REGISTRATIONS CANCELED

45,709. MARQUISE. Registered Aug. 29, 1905. Mulhens & Kropff, New York, N. Y. Toilet Soap. Class 4. Canceled Mar. 2, 1951.

45,479. MARQUISE. Registered Aug. 22, 1905. Mulhens & Kropff, New York, N. Y. Perfumes and Toilet Water. Class 6. Canceled Mar. 2, 1951.

151,440. B & C. Registered Feb. 7, 1922. Butler & Cosgrove, San Angelo, Tex. Laxative, Aspirin Tablets, Etc. Class 6. Canceled Mar. 2, 1951.

330,721. THIRST-AID. Registered Dec. 10, 1935. Oldetyme Distillers, Inc., New York, N. Y. Whiskey. Class 49. Canceled Mar. 2, 1951.

330,722. "THIRST-AID" AND REPRESENTATION OF CROSS. Registered Dec. 10, 1935. Oldetyme Distillers, Inc., New York, N. Y. Whiskey. Class 49. Canceled Mar. 2, 1951.

337,766. ENCOR. Registered Aug. 18, 1936. Vadsco Sales Corporation, Long Island City, N. Y. Astringents, Astringent Cerates, Etc. Class 6. Canceled Mar. 2, 1951.

360,662. HEMAQUID. Registered Sept. 20, 1938. Roche-Organon, Inc., Nutley, N. J. Medicinal Preparation Used as a Blood Anticoagulant. Class 6. Canceled Mar. 2, 1951.

366,737. MONARCH. Registered Apr. 25, 1939. The Celotex Corporation, Chicago, Ill. Fiber Wall Board. Class 12. Canceled Feb. 26, 1951.

408,878. PACKARD. Registered Aug. 29, 1944. Emil Leichter, New York, N. Y. Watches. Class 27. Canceled Mar. 2, 1951.

434,885. C B C. Registered Dec. 9, 1947. Dominick J. Nicoletti, New Rochelle, N. Y. Preparation of Body-Building Elements Particularly Indicated in the Treatment of Secondary Anemia. Class 6. Canceled Mar. 2, 1951.

519,369. "MUZIK WYLE U RYDE". Registered Dec. 27, 1949. Howard D. Parsons, doing business as Howard D. Parsons Enterprises, Kansas City, Mo. Electrical Phonographs and Parts Thereof and Records Therefor of the Magnetized Disc, Etc. Class 21. Canceled Mar. 2, 1951.

520,646. "AOL" AND DESIGN. Registered Feb. 7, 1950. Steinwender, Stoffgren & Co., Inc., New York, N. Y. Green Coffee. Class 46. Canceled Mar. 2, 1951.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

60,793. "MAGIC" AND DESIGN. Registered Feb. 19, 1907. John Callahan & Co., Inc., Seattle, Wash. Boiler-Cleaning Compounds. Class 6. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising that part of Texas east of a line drawn north and south through the city of Abilene, Tex., and all of the States of Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Maine, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, New Jersey, New Hampshire, New York, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin, as well as the Virgin Islands, Puerto Rico, and the Canal Zone, by order of the Commissioner dated Mar. 6, 1951, following decision on Concurrent Use Proceeding No. 19, *Garratt-Callahan Co. of Illinois* v. *John Callahan & Co., Inc.*

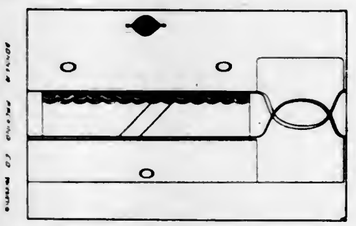
201,615. FLUFF-FOE. Registered Aug. 4, 1925. Garratt-Callahan Co., San Francisco, Calif. Compound Used for Hot-Water-Circulating Systems, Etc. Class 6. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising that part of Texas east of a line drawn north and south through the city of Abilene, Tex., and all of the States of Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Maine, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, New Jersey, New Hampshire, New York, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin, as well as the Virgin Islands, Puerto Rico, and the Canal Zone, by order of the Commissioner dated Mar. 6, 1951, following decision on Concurrent Use Proceeding No. 17, *Garratt-Callahan Co. of Illinois* v. *Garratt-Callahan Co.*

359,067. WEBRIL. Registered Aug. 2, 1938. The Kendall Company, Walpole, Mass. Felt-Like or Cloth-Like Sheet Materials Composed of Unspun Fibers, Etc. Class 1. Amended as follows: In the statement, lines 9, 10, and 11, "such as cellulosic fibers, unified by the bonding of the fibers to each other," is deleted.

386,003. "CARBI" AND DESIGN. Registered Mar 25, 1941. Garratt-Callahan Co., Chicago, Ill. Soot and Carbon Scale Removing Chemical Preparation. Class 6. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising that part of Texas east of a line drawn north and south through the city of Abilene Tex., and all of the States of Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Maine, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, New Jersey, New Hampshire, New York, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin, as well as the Virgin Islands, Puerto Rico, and the Canal Zone, by order of the Commissioner dated Mar. 6, 1951, following decision on Concurrent Use Proceeding No. 16, *Garratt-Callahan Co. of Illinois* v. *Garratt-Callahan Co.*

518,119. "STALEY'S" AND DESIGN. Registered Nov. 29, 1949. A. E. Staley Manufacturing Company, Decatur, Ill. Starch for Food Purposes, Etc. Class 46. Corrected as follows: In the statement, lines 22, 23, and 24 should be deleted and *The trade-mark "STALEY'S" was first used in 1912 and first used in commerce among the several States which may lawfully be regulated by Congress in 1912, and the trade-mark as shown was first used on March 1, 1948, and first used in commerce among the several States which may lawfully be regulated by Congress on March 1, 1948.* inserted in lieu thereof.

535,487. T. M. LABEL DESIGN. Registered Dec. 26, 1950. Bonner Packing Co., Fresno, Calif. Dried Fruits. Class 46. Corrected as follows: The mark should appear as shown below instead of as in the registration—



535,938. LONG GRIP. Registered Jan. 9, 1951. H. B. Sherman Manufacturing Company, Battle Creek, Mich. Hose Couplings and Garden Hose Menders (a Tubular Device With an Outer Gripping Means Adapted To Splice and Hold Together the Ends of Two Pieces of Hose). Class 13. Corrected as follows: In the certificate, line 5, for "19th day of July, 1946" read *9th day of July 1948*; in the heading to the printed statement, line 6, for "July 19, 1946" read *July 9, 1948*.

535,949. MADSEN. Registered Jan. 9, 1951. Madsen Iron Works, assignor to Madsen Iron Works, Inc., Huntington Park, Calif. Asphalt Mixing and Paving Plants and Parts Therefor—Namely, Mixers, Finishers, Etc. Class 23. Corrected as follows: In the statement, line 14, "duct" should be deleted and *dust* inserted in lieu thereof.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

532,147. SUGANILLA. Registered Oct. 17, 1950. Ph. Chaleyer, Inc. Flavoring Extracts for Use in Foods. Class 46. New certificate under section 7(c) issued Apr. 3, 1951, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 277,938. Registered Dec. 2, 1930. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

LEUCOSOL

For Dyes and Dyestuffs.
Claims use since Oct. 22, 1927.

Reg. No. 277,939. Registered Dec. 2, 1930. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

NAPHTHANIL

For Intermediate for Dyeing Processes.
Claims use since July 29, 1921.

Reg. No. 277,941. Registered Dec. 2, 1930. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

SULFOGENE

For Dyes and Dyestuffs.
Claims use since Nov. 20, 1924.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 279,621. Registered Jan. 20, 1931. Lion Match Company, Inc., New York, N. Y. Republished by Lion Match Company, Inc., New York, N. Y., a corporation of Delaware.

"FEATURE"

For Matches, Including Book Matches.
Claims use since Sept. 25, 1930.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 277,836. Registered Nov. 25, 1930. Riverton Lime Company, Inc., Riverton, Va. Republished by Riverton Lime & Stone Company, Inc., Riverton, Va., a corporation of Virginia.

FLAMINGO

For Cement, Lime, and Cement and Lime Mixtures for Use in Making Concrete, Stucco, Plaster, and Mortar.
Claims use since about June 24, 1929.

Reg. No. 277,837. Registered Nov. 25, 1930. Riverton Lime Company, Inc., Riverton, Va. Republished by Riverton Lime & Stone Company, Inc., Riverton, Va., a corporation of Virginia.



For Cement, Lime, and Cement and Lime Mixtures for Use in Making Concrete, Stucco, Plaster, and Mortar.
Claims use since about June 24, 1929.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 177,130. Registered Dec. 11, 1923. Felice Bisleri & C., Milan, Italy, and New York, N. Y. Republished by S. A. Felice Bisleri & Cia., Milan, Italy., a corporation of Italy.



For Medicinal Bitters and General Tonics.
Claims use since 1885.

Reg. No. 400,963. Registered Apr. 13, 1943. John L. Norris, Jr., doing business as Vello Products, Lyndonville, Vt. Republished by registrant.

Vello

For Ointment for Minor Cuts and Burns and for Cold Cream.
Claims use since Sept. 22, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 271,165. Registered May 27, 1930. Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts. Republished by registrant, present address Cambridge, Mass.

DAREX

For Separator Plates for Storage Batteries.
Claims use since Jan. 18, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 444,294. Registered Oct. 31, 1950. Given Manufacturing Company, Los Angeles, Calif., a corporation of California. Republished by registrant.

WASTE King

The word "Waste" is disclaimed apart from the mark as shown.
For Waste Disposal Units Adaptable to the Shredding of Garbage and Attachable to Plumbing Systems.
Claims use since Feb. 8, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 204,413. Registered Oct. 20, 1925. Johnson Belting Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

COMBINE

For Leather Belting.
Claims use since June 1923.

Reg. No. 228,633. Registered June 7, 1927. Johnson Belting Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Leather Belting.
Claims use since Jan. 3, 1926.

CLASS 39

CLOTHING

Reg. No. 268,839. Registered Mar. 18, 1930. The Fashion Shop, Washington, D. C. Republished by Fashion Shop, Inc., Washington, D. C., a corporation of Delaware.



For Men's, Children's, and Women's Clothing—Namely, Suits, Topcoats, Overcoats, Raincoats, Trousers, Knickers; Dress, Negligee, Work, and Undershirts Made of Knitted, Netted, and Textile Fabric; Hosiery, Pajamas, Belts for Outer Wear, Suspenders, Garters, Sweaters; Gloves Made of Leather, Rubber, Fabric, or Combinations Thereof; Slickers, Collars, Cravats, Nightshirts; Underwear Made of Knitted, Netted, or Textile Fabric; Dressing Robes, Dressing Gowns.
Claims use since March 1925.

Reg. No. 268,840. Registered Mar. 18, 1930. The Fashion Shop, Washington, D. C. Republished by Fashion Shop, Inc., Washington, D. C., a corporation of Delaware.

RONDO

For Men's, Children's and Women's Clothing—Namely, Suits, Topcoats, Overcoats, Raincoats, Trousers, Knickers; Dress, Negligee, and Work Shirts Made of Knitted, Netted, and Textile Fabric; Pajamas, Belts for Outer Wear, Suspenders, Garters, Sweaters, Slickers, Collars, Cravats, Scarfs, Nightshirts, Dressing Robes, Dressing Gowns; Shoes Made of Leather, Rubber, and Fabric and Combinations Thereof, and Hats.
Claims use since March 1926.

Reg. No. 280,532. Registered Feb. 17, 1931. Knox Hat Company, Inc., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

COMPANION

For Hats for Men.
Claims use since July 1, 1930.

Reg. No. 294,404. Registered May 24, 1932. N. W. Buyers & Jobbers, Incorporated, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Clothiers" and the pictorial representation are disclaimed apart from the mark as shown.
For Men's and Boys' Outer Clothing, as Overcoats, Suits, Coats, Trousers, and Overalls; Gloves and Mittens Made of Leather, Rubber or Fabric; Raincoats, Garment Supporter Belts, Neckties, Mufflers, Hosiery, Garters, Hats and Caps for Men and Boys, Suspenders, Work and Dress Shirts, Smoking Jackets, Men's Union Suits, Sweaters, and Collars.
Claims use since on or about Dec. 1, 1926.

Reg. No. 302,195. Registered Apr. 4, 1933. Heath-Sweetser, Inc., New York, N. Y. Republished by Heath-Sweetser-Broome Corp., Philadelphia, Pa., and New York, N. Y., a corporation of New York.

BANDRIDGE

For Men's and Boys' Shirts—Namely, Dress, Negligee, and Work; and Collars.
Claims use since Sept. 3, 1932.

Reg. No. 310,878. Registered Mar. 13, 1934. Heath-Sweetser, Inc., New York, N. Y. Republished by Heath-Sweetser-Broone Corp., Philadelphia, Pa., and New York, N. Y., a corporation of New York.



The term "Authentic Fashion" is disclaimed apart from the mark as shown.

For Men's and Boys' Shirts, Both Negligee, Dress, and Work; and Collars.

Claims use since Sept. 3, 1932.

CLASS 43

THREAD AND YARN

Reg. No. 291,338. Registered Feb. 9, 1932. American Enka Corporation, Asheville, N. C., a corporation of Delaware. Republished by registrant, present address Enka, N. C.



For Rayon Yarns.

Claims use since Jan. 28, 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 88,250. Registered Sept. 10, 1912. The Denver Macaroni & Noodle Co., Denver, Colo. Republished by The American Beauty Macaroni Co., Kansas City, Mo a corporation of Missouri.



For Macaroni, Spaghetti, Vermicelli, and Noodles.

Claims use since June 1, 1910.

Reg. No. 276,249. Registered Oct. 14, 1930. Deco Refreshments Inc., Buffalo, N. Y. Republished by Deco Restaurants Inc., Buffalo, N. Y., a corporation of New York.

WHITE HOT

The word "Hot" is disclaimed apart from the mark as shown.

For Finger Rolls, Sandwich Rolls, Hot and Cold Wieners, Hot and Cold Minced Meat, Pickles, Pickle Relish, Waffle Batter, Baked Waffles, Prepared Waffle Flour, Mustard, Potato Salad, Hot and Cold Sauerkraut, Hot and Cold Ham, Hot and Cold Bacon, Fresh and Cooked Fish, Pie, Ice Cream, Chocolate Powder, Fresh Oranges, Pancakes, Potato Chips, Bread, Fruit Jam, Hot and Cold Chicken a la King, Hot and Cold Soups, Eggs, Hot and Cold Pork Sausage, Doughnuts, Cup Cakes, Sweet Rolls, Sliced Cake, Coconut Macaroons, Fresh and Cooked Beans, Hot and Cold Spaghetti, Fresh and Cooked Asparagus Tips, Fresh Citrous and Deciduous Fruits.

Claims use since about July 3, 1928.

Reg. No. 281,828. Registered Mar. 31, 1931. Eastern States Farmers' Exchange, West Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

HIGHLAND

For Mixed Feed for Cattle.

Claims use since Aug. 26, 1930.

Reg. No. 281,997. Registered Apr. 7, 1931. Piggly Wiggly Corporation, Wilmington, Del., a corporation of Delaware. Republished by registrant, present address Jacksonville, Fla.



The word "Plymouth" is disclaimed apart from the mark as shown.

For Coffee.

Claims use since about Aug. 27, 1930.

Reg. No. 356,452. Registered Apr. 26, 1938. Restaurants & Patisseries Longchamps, Inc., New York, N. Y. Republished by Longchamps, Inc., New York, N. Y., a corporation of New York.

Longchamps

For Candy, Coffee, Tea.

Claims use since Dec. 31, 1922.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 392,961. Registered Jan. 20, 1942. Stuart Lloyds, Ltd., Philadelphia, Pa., and St. Thomas, V. I. Republished by Ron Zorro Distillers, St. Thomas, V. I. a corporation of the Virgin Islands.

ZORRO

For Rum.

Claims use since February 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 400,963. Registered Apr. 13, 1943. John L. Norris, Jr., doing business as Vello Products, Lyndonville, Vt. Republished by registrant.

Vello

For Ointment for Minor Cuts and Burns and for Cold Cream.

Claims use since Sept. 22, 1942.

Reg. No. 443,663. Registered Jan. 10, 1950. Pond's Extract Company, New York, N. Y., a corporation of Delaware. Republished by registrant.

ANGEL FACE

For Combined Foundation and Face Powder.

Claims use since May 1, 1946.

REISSUES

APRIL 3, 1951

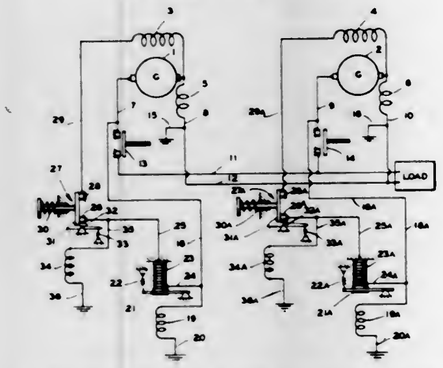
23,351

GENERATION SYSTEM

William F. Fell, Hudson, Ohio, assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original No. 2,508,665, dated May 23, 1950, Serial No. 701,266, October 4, 1946. Application for reissue August 31, 1950, Serial No. 182,569

6 Claims. (Cl. 171—119)



1. In combination, [a load circuit,] a plurality of generators *having the outputs thereof connected in parallel,* [each of said generators having an output to said load circuit,] each of said generators having a field circuit including a field winding, a regulator associated with each of said field circuits, a control winding for each of said regulators and connected across the output of its associated generator, a switch connected in the field circuit of each generator and control means for each of said switches including a winding connected across the field winding of the associated generator and effective upon a rise in the voltage drop across the field winding above a predetermined safe value to open said switch and thereby its associated field circuit, while the regulator of the other of said generators tends to maintain the voltage drop across the field winding of its associated generator below the predetermined safe value.

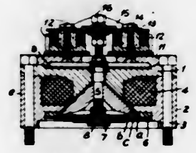
23,352

CARBON PILE ELECTRIC REGULATOR

Frederick Newton, Sudbury, England, assignor, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio, a corporation of Ohio

Original No. 2,268,718, dated January 6, 1942, Serial No. 299,326, October 13, 1939. Application for reissue January 23, 1951, Serial No. 207,275. In Great Britain April 8, 1938

14 Claims. (Cl. 201—51)



14. *An electric regulator comprising a carbon pile, an electromagnet mechanically attached to one end of said pile, a substantially annular abutment upon said electromagnet and having a recess defined by a surface of the abutment which converges from the periphery of the recess toward the bottom and center thereof, a single spring comprising a plate member substantially symmetrical about the axis of said electromagnet, said spring spanning said recess and resting tangentially against the converging surface of said abutment, an armature for said electromagnet, means connecting said armature and spring together and to the other end of said pile, so that movement of the armature towards the magnet wraps the spring upon said abutment, and the pile is subjected to the difference between the magnet pull and the spring pressure, and means extending axially of the regulator and forming shoulder means around the periphery of said recess, said spring constituting the sole yieldable pressure supplying means acting to apply pressure to said pile in the direction to compress the same and being of a transverse dimension to extend between and engage said shoulder means such that slippage between the spring and abutment is substantially prevented.*

PLANT PATENTS

GRANTED APRIL 3, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,010
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application February 21, 1950, Serial No. 145,357
1 Claim. (Cl. 47—61)

A new and distinct variety of floribunda rose plant, characterized as to novelty by the combination of qualities of its parents, as evidenced by its more open plant habit like "Mrs. R. M. Finch," and by the similarity of its flowers to "Pinocchio" (Plant Patent No. 484), and by the basically white color of the flowers, substantially as shown and described.

1,011
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application February 21, 1950, Serial No. 145,358
1 Claim. (Cl. 47—61)

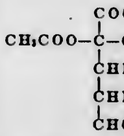
A new and distinct variety of floribunda rose plant, characterized as to novelty by the true yellow color of its flowers, by their straight necks, by the steady blooming quality, and by the general plant and foliage characteristics of its pollen parent, substantially as shown and described.

PATENTS

GRANTED APRIL 3, 1951

2,546,958
GAMMA ACETOXY-GAMMA,GAMMA DICARBALKOXY-BUTYRALDEHYDES AND PROCESS
Donald T. Warner and Owen A. Moe, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application April 7, 1948, Serial No. 19,652
8 Claims. (Cl. 260—483)

1. Aldehydo compounds having the following formula:



in which R and R^1 are low alkyl groups containing from one to four carbon atoms and in which R^2 and R^3 are selected from the group consisting of hydrogen and methyl.

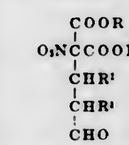
2,546,959
2-AMINO-4-HYDROXY-6-(HYDROXYMETHYL)-PTERIDINE
Hans Spiegelberg, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application May 8, 1947, Serial No. 746,866. In Switzerland September 24, 1946
5 Claims. (Cl. 260—251.5)

4. 2-amino-4-hydroxy-6-(hydroxymethyl)-pteridine.

5. The method which includes: subjecting 2,4,5-triamino-6-hydroxy-pyrimidine to the action of dihydroxyacetone in a solvent therefor; and separating 2-amino-4-hydroxy-6-(hydroxymethyl)-peteridine from the reaction mixture.

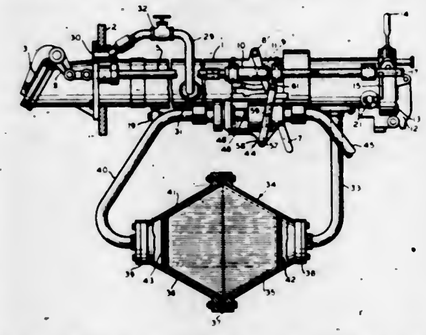
2,546,960
GAMMA NITRO-GAMMA,GAMMA DICARBALKOXY - BUTYRALDEHYDES AND PROCESS
Owen A. Moe and Donald T. Warner, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application February 24, 1948, Serial No. 10,557
8 Claims. (Cl. 260—483)

1. Aldehydo compounds having the following formula:



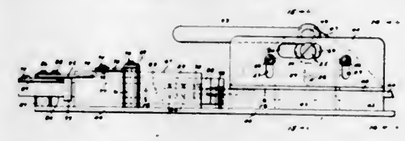
in which R and R^1 are low alkyl groups containing from one to four carbon atoms, and R^2 and R^3 are selected from the group consisting of hydrogen and methyl.

2,546,961
SUBMARINE CARRIED CARTRIDGE EJECTOR
John V. Amero, Rochester, N. H.
Application May 31, 1945, Serial No. 596,928
14 Claims. (Cl. 114—238)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An ejector for use with submarines when submerged comprising a cartridge-receiving barrel extending from a point within the hull of the submarine to a point outside the hull, means for flooding the barrel and removing the air therefrom, and means for forcing a predetermined quantity of hydraulic fluid into the barrel behind the cartridge sufficient to force the cartridge therefrom, said means including a hydraulic system connected to said barrel, means for exerting pressure on the hydraulic fluid in said system to force it into the barrel, and flexible means for separating said hydraulic system and said pressure exerting means.

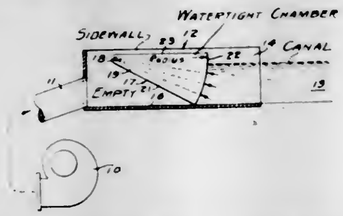
2,546,962
BROACHING MACHINE
Frank A. Best, Windsor, Ontario, Canada
Application April 22, 1947, Serial No. 743,056
5 Claims. (Cl. 90—33)



1. Apparatus of the character described for producing a series of work pieces each having an aperture therein which is accurately dimensionally aligned with respect to its outer surface so that a pair of work pieces thus treated may be fixed in mutually end-abutting registrable relationship on a common supporting core, said apparatus comprising an elongated work piece holder having a bottom wall and a pair of spaced opposed side walls extending therefrom to define a work receiving channel open at its ends, stop means for establishing a fixed termination point for forward movement of said work piece in

said channel, clamp means for retaining said work piece at said termination point, broach-guiding means spaced from said work piece holder and in longitudinal alignment with said channel, said guiding means comprising a tunneled housing, a guide sleeve telescopingly advanceable and retractable in said housing, said guide sleeve having an axial aperture therethrough, and a broach advanceable and retractable in said guide sleeve, means for advancing said broach into cutting contact with the peripheral wall of the aperture in said work piece, the alignment of said broach and said work piece being such that the internal profile produced by broach operation is accurately aligned with respect to the outer walls of said work piece.

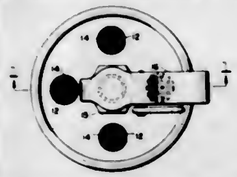
2,546,963
FLOAT GATE
Charles M. Black, Denver, Colo.
Application September 5, 1946, Serial No. 694,839
3 Claims. (Cl. 61—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a centrifugal pump, a discharge conduit therefor, and a channel for confining water in a stream between the discharge conduit and a body of water subject to variations in surface level such as water in a supply canal or reservoir, said discharge conduit being arranged to discharge above the pump and into the stream confined in said channel below the high water surface level of the body of water subject to variations in surface level, of a buoyant substantially radial gate for controlling the flow of the stream in said channel between the discharge conduit and the body of water, means for mounting said gate for pivotal motion about a substantially horizontal axis disposed above and in relatively close proximity to the maximum surface level of said body of water, said gate comprising a substantially arcuate valve member spaced from said axis toward said body of water and a substantially straight continuous surface extending between said axis and the lower edge of said valve member for riding on and coacting with water beneath said gate.

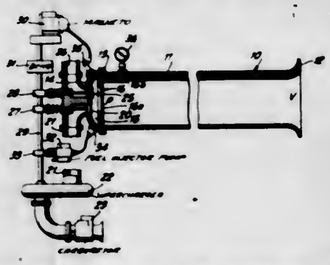
2,546,964
SMOKE GENERATOR
Benjamin B. Blackford and Charles R. Wallace, United States Navy
Application March 26, 1946, Serial No. 657,321
1 Claim. (Cl. 252—359)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A smoke generator comprising a container having walls of smoke-impervious material, a series of three compressed, contiguous, overlying layers in said container of which the bottom layer is a smoke-producing composition, the intermediate layer is a fuel composition which on combustion yields a rigid porous ash, and the upper layer is a smoke-producing composition, a smoke-impervious plate within the container and overlying the entire area of the upper layer, said plate terminating in an upstanding perimetrical flange abutting the contiguous portions of the container wall, a tubular member depending from said plate



and extending through the upper layer to the intermediate layer, whereby smoke produced in the upper layer is constrained to enter the intermediate layer for egress from the container, and means communicating with said tubular member at the top thereof for egress of smoke from the container.

2,546,965
PULSE JET STANDING WAVE ENGINE WITH MOVABLE WAVE REFLECTING MEANS
Albert G. Bodine, Jr., Van Nuys, Calif.
Application June 11, 1947, Serial No. 753,898
17 Claims. (Cl. 60—35.56)

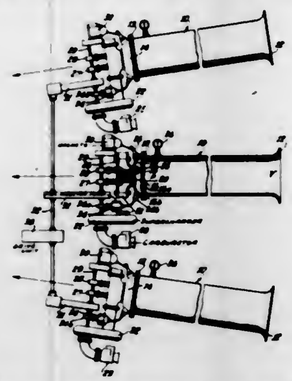


1. An apparatus of the character described which includes: a housing defining and containing a column of fluid adapted to have a standing wave established therein, pressure wave reflecting means at one end of said column including a movable wave-reflecting member, pressure wave expanding means embodied in said housing terminating the other end of said column, pressure disturbance means in pressure transmitting relationship with said fluid column through said movable member and operative to reciprocate said movable member, said reflecting means establishing a pressure anti-node of said standing wave adjacent said one end of said fluid column, and said wave expanding means establishing a velocity anti-node of said standing wave substantially nearer to said other end of said column than to said one end, and inflow and outflow fluid passage means in said housing directing a net flow of fluid which is propelled by said standing wave.

2,546,966
MULTICIRCUIT QUARTER WAVE PULSE JET ENGINE
Albert G. Bodine, Jr., Van Nuys, Calif.
Application January 12, 1948, Serial No. 1,733
15 Claims. (Cl. 60—35.6)

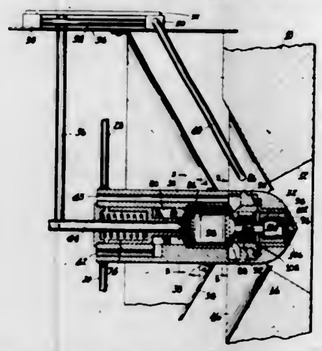
1. A multiple-circuit quarter-wave pulse jet engine comprising a plurality of substantially quarter-wave fluid filled sonic pipes each substantially closed at a forward end thereof to form a sonic wave reflector, and open at its rearward

end for wave expansion and fluid jet discharge, said pipes being grouped and disposed for jet discharge in the same general direction, a pressure pulse means for each of the pipes for producing intermittent positive pressure pulses within the fluid in the closed end portion of the pipe at a frequency to resonate the pipe and establish in the fluid column therein a standing wave having a pressure anti-node at the closed end of the pipe and a velocity anti-node at the open end thereof, all in such manner as to pro-



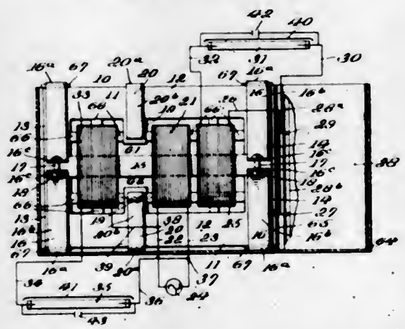
duce fluid velocity oscillations at the open end of each pipe in combination with intermittent jetting of fluid therefrom under control of the corresponding standing wave, and a coupling between said pressure pulse means for the pipes adapted to produce a phase difference between the standing waves in the pipes whereby the velocity oscillations at the open ends of the pipes are out of phase with one another and the jet discharges from the plurality of pipes will occur in succession.

2,546,967
FUEL BURNER
Delphis C. Breault, Lowell, Mass.
Application January 25, 1947, Serial No. 724,326
5 Claims. (Cl. 299—140)



3. In a device of the class described, a housing, means in the housing forming a walled rarefaction chamber therein, means in the housing forming a walled expansion chamber, a first passage joining the two chambers for communication therebetween, inlet passages leading through the walls of the rarefaction chamber, certain of said inlet passages being located closely adjacent the first passage and the remainder of the inlet passages being located in the wall of the rarefaction chamber opposite the first passage, said inlet passages being oppositely inclined toward each other for directing fluids into the rarefaction chamber in opposite directions for head-on impingement and consequent rarefaction and turbulation thereof, said rarefied fluids entering the expansion chamber through the first passage and passing through the jets of fluid entering the rarefaction chamber through those inlet passages which are adjacent said first passage, and exit orifices in a wall of the expansion chamber.

2,546,968
TRANSFORMER
John Herold Bridges, Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation, a corporation of New Jersey
Application November 25, 1944, Serial No. 565,120
5 Claims. (Cl. 323—60)

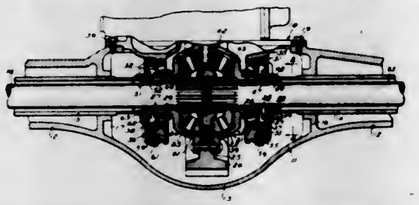


1. As a new manufacture, a power unit for tube lighting equipment, comprising, in combination, a transformer itself comprising a shell-type magnetic core; magnetic shunts disposed on the outer core legs intermediate their length and extending towards but short of the central core leg, and dividing the core into two pairs of core spaces, one being larger than the other; a primarying winding and a secondary winding disposed side by side about said central leg in the pair of larger spaces; a secondary winding disposed about said central leg in the pair of smaller spaces, this winding being wound to give an open-circuit potential substantially greater than that of said first-mentioned secondary winding; and a large capacity condenser disposed closely adjacent said transformer and series-connected to the secondary winding of low open-circuit potential.

2,546,969
COLLARS TO PREVENT BROKEN AXLE SHAFT FRAGMENTS ENTERING AXLE CENTER SECTION
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application July 24, 1947, Serial No. 763,354
8 Claims. (Cl. 74—713)

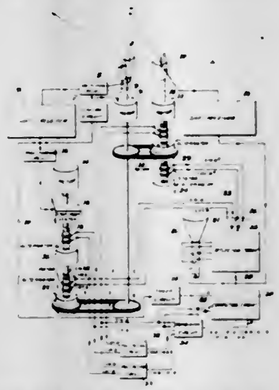
1. In a drive axle assembly, an axle housing having an intermediate drive mechanism enclosing portion, drive mechanism in said portion and a support on said housing for said drive mechanism, an axle shaft extending therefrom through said housing, means within said housing surrounding said axle shaft and extending into proximity with said driving mechanism, and an axially adjustable collar on said support extending

between said support for the driving mechanism and said axle shaft enclosing means within the housing for substantially closing the gap between



said support and said axle shaft enclosing means so that said axle shaft is substantially isolated from the drive mechanism in said intermediate portion of said axle housing.

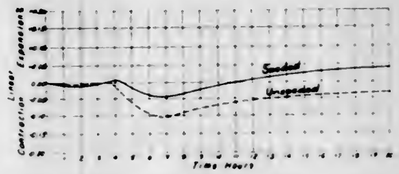
2,546,970
DIRECTION FINDER SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1945, Serial No. 579,568
30 Claims. (Cl. 343—112)



1. The method of indicating at a receiving point spaced an unknown distance from a radiator point, the location of reradiating objects, comprising receiving energy radiated directly from said radiator point and energy radiated from said radiator point after reradiation from said objects, obtaining the direction lines from said receiving point to said objects and said radiator point in response to said received reradiated and radiated energy, respectively measuring the relative timing of said received reradiated energy and the energy from said radiator to determine the distance parameters of said reradiating object, and producing an indication showing the relative location of said objects in response to said determined parameters.

2,546,971
CEMENT COMPOSITION AND METHOD OF MAKING
Alva C. Byrns, Concord, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application April 20, 1949, Serial No. 88,516
19 Claims. (Cl. 106—106)

1. Process of preparing Sorel cement which comprises admixing magnesia, a tempering amount of water, at least one salt chosen from the group consisting of magnesium chloride and magnesium sulfate, and form about 0.5% to about 5.0% based on the total weight of dry ingredients



of a previously prepared Sorel cement, said previously prepared Sorel cement having been gauged with a water solution of said same chosen salt.

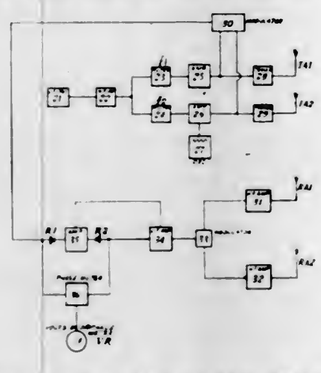
2,546,972
TELEVISION SYNCHRONIZING SYSTEM
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 14, 1946, Serial No. 654,320
In Great Britain March 17, 1945
10 Claims. (Cl. 178—69.5)



1. A synchronizing arrangement for an electric television transmission system wherein video, line and frame synchronizing signals are transmitted to the receiver comprising means for generating a train of regularly repeated line synchronizing pulses all of identical form, means at said transmitter for periodically modifying said train of pulses at intervals equal to the frame period by inserting a pulse of identical form and equal amplitude and by removing an adjacent line pulse thereby effectively advancing one of said pulses with respect to its normal time of occurrence for effecting frame synchronization, means for transmitting the modified train of synchronizing pulses to said receiver and means at said receiver responsive to said modified synchronizing pulse train to separate said line synchronizing pulses and said inserted pulse for effecting both line and frame synchronization.

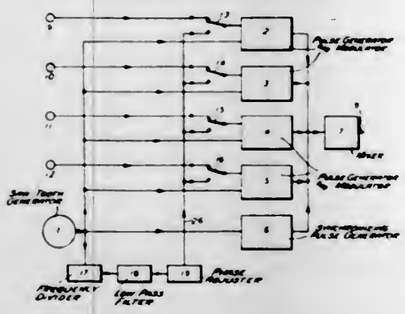
2,546,973
ARRANGEMENT FOR DETERMINING DISTANCE BY MEANS OF ELECTROMAGNETIC WAVES
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 10, 1942, Serial No. 468,571
In Great Britain October 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 15, 1961
16 Claims. (Cl. 343—10)

4. Apparatus for determining the distance of an object from a reference point comprising a transmitter and a receiver, means at said transmitter to produce two frequencies, at least one of which is adjustable, means for transmitting from said transmitter an electromagnetic carrier wave modulated by said two frequencies, said receiver being adapted to receive the transmitted electromagnetic waves after reflection from said object and also waves directly from said transmitter, said receiver comprising filters for separating the modulations of the received reflected waves, modulator circuits connected to the output of said filters and to said frequency-producing means, a differential circuit connected to said



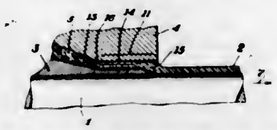
modulator circuits and adapted to add vectorially energies derived from the received reflected waves and from the waves received directly from said transmitter, and a circuit responsive to the output of the differential device for adjusting the adjustable frequency at said transmitter to decrease the output from said differential device to a minimum.

2,546,974
PULSE MULTIPLEX SIGNALING SYSTEM
Prafulla Kumar Chatterjea and Dermot Min Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1946, Serial No. 679,999
In Great Britain May 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 12, 1965
9 Claims. (Cl. 179—15)



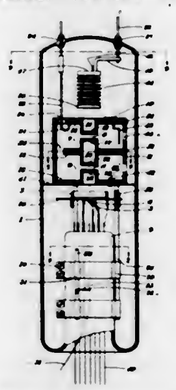
1. An electric pulse communication system, including means for generating a train of pulses having a given repetition frequency, means for generating a periodic wave having a frequency related to the given frequency by a ratio expressible by small integers, means for applying the periodic wave to said pulse generating means to produce a time modulation of the pulses of said train, the last mentioned means including means for phasing the periodic wave in a given manner with respect to the pulse train, and means for transmitting the modulated pulse train over a communication medium.

2,546,975
EXTRUSION DEVICE
Frank J. Churnell, Bloomfield, and Kenneth E. Smith, Paterson, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 18, 1946, Serial No. 704,128
3 Claims. (Cl. 18—13)



1. An extrusion apparatus for extruding a plastic jacket about a core of substantially circular cross-section comprising: a metallic member having an opening of substantially circular cross-section through which said core may be drawn, said member having a tapered first portion diminishing in outside diameter to a certain diameter only slightly greater than the diameter of said opening, a second portion of said certain diameter extending from said first portion for a certain distance over which the plastic is allowed to at least partially set, and a third portion tapering from said certain diameter at the end of said second portion to the diameter of said opening and the surfaces of said first, second and third portions being smooth to give the jacket a uniform inner surface, and an extrustion die surrounding said metallic member, said die having its exterior surface located in a plane adjacent the outer end of said metallic member.

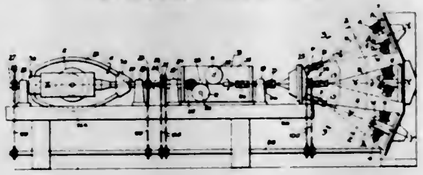
2,546,976
ELECTRON DISCHARGE DEVICE AND METHOD OF ASSEMBLY
Trevor H. Clark, New York, N. Y., and André Gabriel Clavier and Ernest Rostas, Lyon, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 21, 1943, Serial No. 495,668
In France May 2, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1960
18 Claims. (Cl. 250—27.5)



1. A cavity resonator electron tube construction comprising an envelope, a cathode supported

on one end of said envelope, a cavity resonator enclosed in said envelope and spaced from said cathode, means carried by said envelope supporting said resonator in spaced relation with respect to said cathode, while retaining the cathode in its position, aligning means for said resonator engageable with the inside surface of said envelope, and an anode supported on the other end of said envelope.

2,546,977
MANUFACTURE OF STRANDED WIRE CABLES
Frank A. Clary, Jr., and Grant N. Willis, Bristol, Conn., assignors to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts
Application February 12, 1948, Serial No. 7,756
21 Claims. (Cl. 57—58)



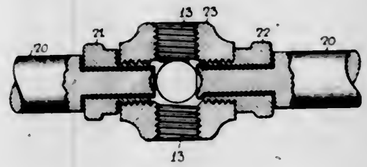
1. Apparatus for the manufacture of wire cable comprising in combination a plurality of groups of supply reels carrying untwisted wire, a rotatably driven flyer associated with each group of reels and adapted to impart a double twist to a strand composed of wires drawn from said reels, a cable closing die for receiving twisted wire strands converging upon said die from said groups of supply reels, a false twister located between said die and each group of supply reels and means for driving all of said false twisters in unison to uniformly kill the strands passing through said twisters in advance of entering said cable closing die.

2,546,978
WELL LINER AND METHOD OF CEMENTING
George A. Collins, Whittier, John R. Russell, La Habra Heights, and Francis L. Colahan, Whittier, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application February 18, 1946, Serial No. 648,252
6 Claims. (Cl. 166—1)



1. The combination with a well liner positioned in a well bore and extending from a point above the lower end of an already-cemented well casing to a point below the lower end of the casing, of flow control means secured on the outside of said liner at a level above the lower end of the casing for permitting fluid flow upwardly through the casing around said liner and for preventing downward fluid flow therearound, a port in said liner longitudinally spaced above said flow control means and above the lower end of said casing and an elongated cement flow directing means secured to said liner above said port and extending downwardly and completely therearound to a point substantially below said port and adjacent said flow control means, said directing means comprising a rigid sleeve concentrically secured to said liner above said port and making a fluid tight joint therewith and spaced from said liner and open at its lower end to discharge fluid cement downwardly around the liner.

2,546,979
EDUCATIONAL CONSTRUCTION UNIT
John A. Cozzone, Newark, N. J.
Application March 4, 1947, Serial No. 732,340
2 Claims. (Cl. 287—54)

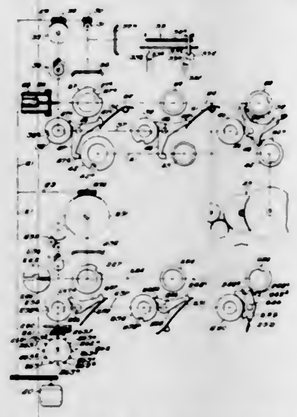


1. In a toy construction unit, rods having end portions of reduced diameter forming pins surrounded by shoulders at their inner ends, caps rotatably fitting about said pins and having inner ends abutting the shoulders and outer end portions reduced in diameter and externally threaded to form bolt-like portions, said pins having heads at their outer ends of less diameter than the bolt-like portions overlapping the outer ends of said bolt-like portions and holding the caps in rotatable engagement with the pins, and a connector formed with a central cavity and with threaded bores leading from said cavity, the bolt-like portions of said caps being screwed into the bores of said connector and detachably connecting said rods with the connector, said pins having their heads out of contact with each other and with the adjoining portions of the connector to permit free rotation of the pins in the caps and turning movement of the rods.

2,546,980
SHAFT POSITIONING APPARATUS
Arthur A. Collins, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application January 18, 1943, Serial No. 472,717
30 Claims. (Cl. 192—142)

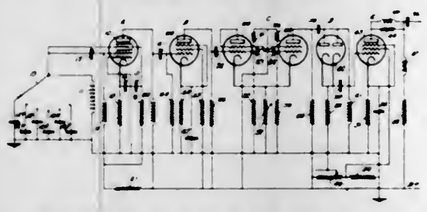
1. Apparatus of the character described for positioning a rotatable shaft, including: means adapted to rotate the shaft through a plurality of revolutions; a plurality of means for stopping the shaft at a predetermined point in each revolution, each such means being adapted to stop the shaft at a different point and being normally inoperative; an equal number of turn determining means, each such means being operatively associated with one of the stopping means and

rendering it effective in a predetermined revolution; and selecting means for rendering operative



a desired one of said stop means and its associated turn determining means.

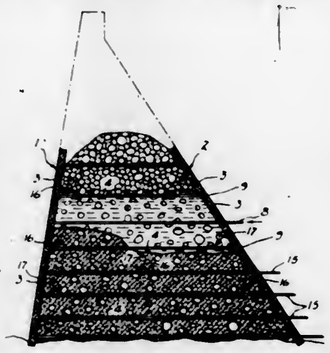
2,546,981
PULSING CIRCUIT
Liva Morgan Craft, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application June 15, 1945, Serial No. 599,657
7 Claims. (Cl. 250—27)



1. An impulse generator of the character described, including: means for generating pulses of a desired super-audible frequency and of a duration of substantially less than half of the period of one cycle at such frequency; means blocking all but a portion of each such pulse and passing said portion to provide impulses of a desired wave form and of briefer duration than said pulses; and a wide-band amplifier for amplifying said impulses.

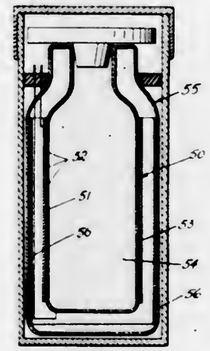
2,546,982
CONCRETE STRUCTURE AND METHOD OF MAKING SAME
Raymond E. Davis, Berkeley, Calif.
Application December 20, 1947, Serial No. 792,972
8 Claims. (Cl. 61—30)

1. The method of constructing a monolithic concrete dam or other hydraulic structure one face of which will be subjected to water pressure, which comprises erecting an outer shell having opposite relatively thin walls, connecting said walls by substantially parallel pipes attached at their ends to the walls and spaced apart laterally and vertically throughout the length and height of said walls, the ends of the pipes attached to the upstream wall being closed and the opposite ends of the pipes opening to the outer face of the downstream wall, said pipes having openings permitting lateral flow along the length thereof, filling the space within the shell with graded aggregate, cooling the aggregate by flowing water through the aggregate and out through certain of said pipes, progressively displacing water in the voids of the aggregate from



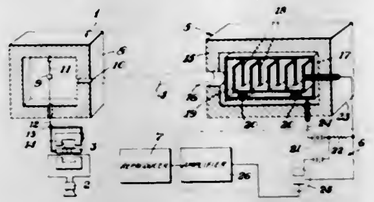
the bottom to the top of the structure with grout introduced through said pipes, removing grout from the interior of said pipes, and cooling the concrete mass during the hardening thereof by circulating water through the pipes from which grout has been removed.

2,546,983
CONTAINER
Enzo del Buttero, Milano, Italy, assignor to Manufactures des Glaces et Produits Chimiques de St. Gobain Chauny & Cirey, Paris, France, a corporation of France
Application August 13, 1946, Serial No. 690,106
In Italy August 13, 1945
2 Claims. (Cl. 219—44)



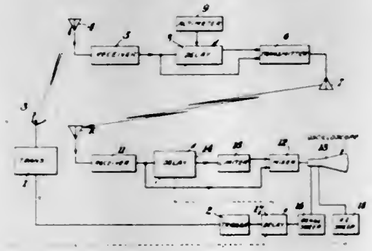
2. As an article of manufacture, a combined heating and heat-preserving receptacle, comprising an inner container, an outer container enclosing said inner container and extending at a distance therefrom, said containers consisting of glass, means interconnecting said containers and forming a closed chamber therebetween, said chamber being evacuated of air, and electric heating means carried by said inner container and consisting of at least one continuous band composed of particles of molten and pulverized conducting metal located in recesses formed in the walls of said inner container.

2,546,984
COMMUNICATION SYSTEM
Edmond Maurice Deloraine and Ladislas Goldstein, New York, N. Y., assignors to International Standard Electric Corp., New York, N. Y., a corporation of Delaware
Application April 2, 1947, Serial No. 738,774
6 Claims. (Cl. 250—1)



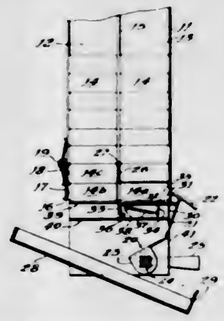
1. A receiver for signal modulated penetrating rays comprising an energy absorbing shield provided with an opening in the direction from which it is desired to receive energy, inclosing a chamber of metal, a metallic member mounted within said chamber and insulated therefrom, first extensions fastened to the wall of said chamber to provide additional surface, extensions mounted on said member in capacitive relation to said first extensions, a non-electronegative gas within said chamber, a high resistance, a source of direct potential coupled in series with said high resistance between said member and said chamber, said resistance being of such a value with respect to the capacity of said system as to provide a time constant lower than the frequency of received signals, an amplifier coupled across said resistance and reproducing means coupled to said amplifier.

2,546,985
ALTITUDE INDICATING SYSTEM
Sven H. M. Dodington, Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1947, Serial No. 730,935
10 Claims. (Cl. 343—6)



1. In a radio indicating system wherein a plurality of objects are provided with means for transmitting from remote locations electrical signals separated from each other by a time interval corresponding to characteristic information, means for receiving said signals comprising a receiver, a mixer circuit, a variable delay device, an indicator, means for applying said received electrical signals directly to said mixer circuit, means for applying said received signals to said mixer circuit through said variable delay device whereupon said last-named signals are delayed for a selected interval of time, means for controlling the delay time of said device to correspond with the separation desired to select, signals of said selected delay passing through said device arrive at the mixer coincident with the time of arrival of the separated signals applied directly to said mixer circuit, means for applying said coincident signals to said indicator whereby indication of objects with the characteristic information corresponding to the selected separation will be indicated.

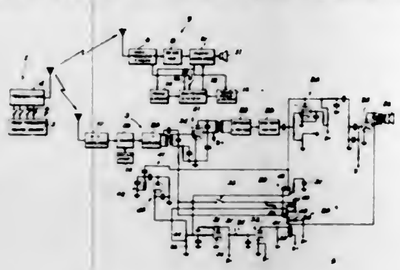
2,546,986
MERCHANDISE VENDING MACHINE
William C. Dressler, College Point, N. Y., assignor, by mesne assignments, to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application April 23, 1947, Serial No. 743,399
6 Claims. (Cl. 312—67)



1. In a vending machine embodying a plurality of chutes for containing stacks of articles to be vended and having a discharge opening at the base of said chutes through which said articles from each of said chutes may be ejected, an ejector operable to eject individual articles first from the one of said chutes nearest said discharge opening, one article upon each operation, until said first chute is emptied and then to similarly eject the articles from a second of said chutes next nearest said discharge opening, and means, comprising a pivoted finger disposed between said chutes and contactable concurrently by an article in each, for supporting and holding articles in said second chute out of the zone of action of said ejector until said first chute is emptied, said finger being of angular formation and having a vertical portion adapted to be contacted by the articles in the first chute and having a horizontal portion adapted to be contacted by an article in the next to the lowermost position in the second chute and to support the column of articles in such chute when said finger is in its operative position.

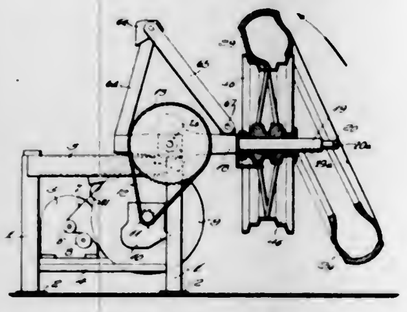
2,546,987
NOISE SUPPRESSION CIRCUIT
George J. Eannarino, Arlington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 6, 1946, Serial No. 714,449
5 Claims. (Cl. 250—6)

2. A radio receiving system, comprising: means for receiving radio frequency carriers and for reproducing audio components thereof including high frequency stages, detector means, audio amplifiers and audio reproducing means, a multiple contact relay, an operating coil for said relay, a pair of normally open contacts connected between said audio amplifiers in the source of energizing voltage for said amplifiers, a control device for energizing said relay operating coil responsive to certain biasing voltages, a noise circuit responsive to noise signals appearing in said audio amplifiers for producing a bias of polarity tending to prevent said control device from energizing said operating coil a tuned reed system responsive to a characteristic audio frequency signal demodulated by said receiving



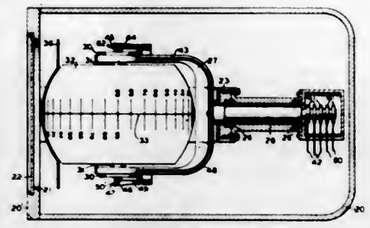
means for applying to said control device a biasing voltage of a second polarity tending to cause said device to energize said operating coil, and a second pair of normally open relay contacts connected between said control device and a point in said high frequency stages where biasing voltage of said second polarity appears when a carrier is received.

2,546,988
CIRCUMFERENTIALLY TRAVELING THRUST TIRE MOUNTING MACHINE
John Herr Eberly, Lancaster, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y., a corporation of Delaware
Application April 5, 1947, Serial No. 739,674
11 Claims. (Cl. 157—1.24)



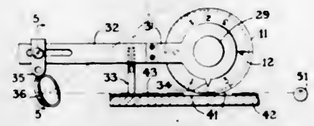
1. A tire mounting machine comprising a supporting frame structure including a pair of trunnion-like spaced supports, a tire mounting frame structure having a pair of transversely extending cylindrical members projecting therefrom and journaled in said trunnion-like spaced supports on said supporting frame structure and carrying a shaft member thereon, one of said members being tubular, said tire mounting frame structure and shaft member being movable from a position in which said shaft member extends in a substantially horizontal position to a position in which said shaft member extends in a substantially vertical direction, a driving motor carried by said supporting frame structure, a driven shaft connected with said driving motor and extending through said tubular member, and means for driving said shaft member from said driven shaft.

2,546,989
ATTITUDE GYRO
Orland E. Esval, Huntington, Walter Wrigley, East Hempstead, and Robert Haskins, Jr., Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Continuation of application Serial No. 445,760, June 4, 1942. This application December 21, 1945, Serial No. 636,384
1 Claim. (Cl. 33—204)



An aeronautic attitude indicator having scalar marking halves with distinctive backgrounds, each half consisting of two quadrants having separate numerals thereon reading from zero to 90° and 90° to zero, and a meridian line dividing said scale, half the marking being on one side of said line and half on the other, the ones on one side being upside down with respect to those on the other side.

2,546,990
DRY FILM GAUGE
Maynard R. Euverard, Short Hills, N. J., and Paul N. Gardner, Bethesda, Md., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application June 25, 1949, Serial No. 101,364
7 Claims. (Cl. 33—125)



6. A dry film thickness gage constructed by adding an attachment to a wet film thickness gage comprising a composite body made up of two coaxial outer circular disk sections having equal radii, an eccentric inner circular disk section of lesser radius having a band-like measuring surface around its circumference, said measuring surface having a point of minimum depth below the edges of the outer disk sections which is at least equal to the thickness of any film to be measured and a point of maximum depth below the edges of the outer disk sections which exceeds the thickness of any film to be measured, intermediate disk sections of lesser radii separating the first named three disk sections, a graduation at the margin of one of the outer disk sections showing in appropriate units the depth of the circumference of the inner disk section below the circumference of the outer disk sections and a shaft journaled through the composite body and centered by the axis of the two outer disk sections to rotate the said composite body, the said attachment comprising arms cradling said shaft and joining in a lever extending to one side of the said composite body without obstructing the orbit of the measuring surface, part of one of the said arms being shaped

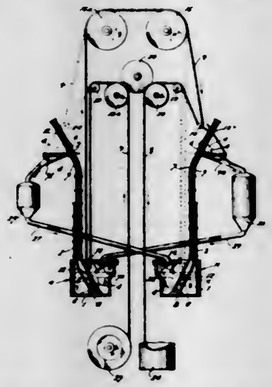
into a pointer adjacent to and cooperating with the graduation at the margin of one of the outer disk sections, said pointer extending perpendicularly from the center of the said shaft toward a plane surface when the said composite body and the said lever is rested against such a surface, and slidingly attached to said lever a mirror centered in the orbit of the said measuring surface and provided with means for angular adjustment.

2,546,991

CABLE SYSTEM FOR HOISTING MECHANISMS

James E. Evans, Wallingford, Pa., and Robert M. Shirk, Wilmington, Del., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application November 1, 1946, Serial No. 707,162
11 Claims. (Cl. 214—120)



1. In a cable operated elevating device, a cable, spaced rotatable members for fixedly anchoring said cable intermediate the ends thereof to provide an active cable portion, said active cable portion comprising a loop suspended between one of said rotatable members and a cable-supporting pulley over which said active cable portion is passed, a load-supporting device suspended by said loop, means for rotating said cable-supporting pulley alternately in opposite directions for lengthening and shortening said loop and thereby respectively lowering and raising said load-supporting device, said cable being further provided with an integral inactive portion extending beyond said rotatable members to a cable supply reservoir, and means for rotating said spaced rotatable members to incorporate a desired length of the inactive cable into the active cable portion and simultaneously withdraw some of the previously active cable portion therefrom.

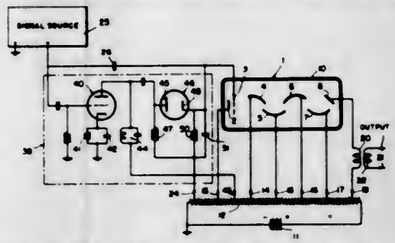
2,546,992

CONTROLLED ELECTRON MULTIPLIER

Joseph C. Ferguson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application October 24, 1946, Serial No. 705,413
6 Claims. (Cl. 179—171)

5. An electron multiplier comprising a source of primary electrons, a control grid for controlling the intensity of the primary electron stream developed by said source, a plurality of secondary electron emissive stages for multiplying said primary electrons, a collector electrode for collecting the multiplied electrons, a signal source coupled to said grid, means for deriving a control signal representative of the average signal level, and means for impressing said control signal upon said grid in such a polarity that the steady



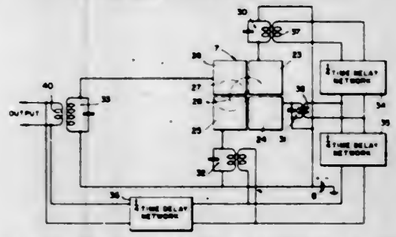
current component of said primary electron stream increases when said average signal level increases, thereby to reduce the steady current component flowing through said multiplier.

2,546,993

HIGH EFFICIENCY CLASS C AMPLIFIER

Joseph C. Ferguson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application January 4, 1947, Serial No. 720,266
9 Claims. (Cl. 179—171)



1. A high efficiency class C amplifier including a cathode ray tube comprising a plurality of targets, means for developing an electron beam and directing it toward said targets, means including a signal input circuit for controlling said beam, means for cyclically deflecting said beam in a closed path across each of said targets in succession, a plurality of resonant circuits respectively coupled to said targets, an output circuit coupled to each of said resonant circuits, and a plurality of delay means coupled intermediate said resonant circuits and said output circuit and adjusted in delay time to provide additive time relationship of the impulses derived from each of said targets during one deflection cycle of said beam whereby a current in said output circuit equal to the combined outputs of said resonant circuits is developed.

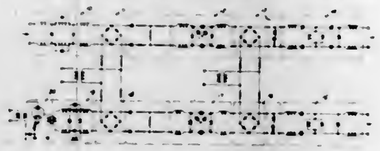
2,546,994

MULTIPLEX CARRIER CURRENT TELEPHONY

Antoine Fromageot, Marc André Lalande, and Robert Redard, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 20, 1948, Serial No. 3,208
In France May 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 15, 1965
7 Claims. (Cl. 179—15)

1. In a multichannel carrier current communication system, a common carrier current transmission line for the transmission of signals having frequencies lying within a predetermined band of frequencies, a plurality of channels coupled to said common transmission line, each channel transmitting signals having frequencies lying within a given frequency range, a premodulation low pass filter in each channel to pass signals having frequencies lying within said given frequency range, a first modulator in each channel coupled to the output of its respective premodulation filter to provide first upper and low sidebands, means for supplying to all said first modulators a common carrier wave having a frequency higher than any of the frequencies lying



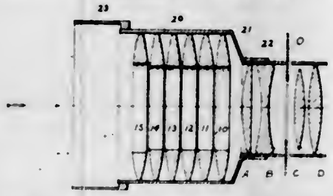
within said predetermined band of frequencies, first band-pass filter means in each channel to select one of said first sidebands and having a sharper cut-off characteristic at that end of the pass-band nearest the carrier wave than at the other end, a second modulator in each channel coupled to the output of its respective first band-pass filter to provide second upper and lower sidebands, means for supplying to said second modulators carrier waves having frequencies different for each channel, second band-pass filter means to select one of said second sidebands in each channel, and means for coupling the output of said second band-pass filter means to said common transmission line.

2,546,995

CONDENSING STEREOSCOPIC LENS

Stephen E. Garutso, San Fernando, Calif., assignor to Garutso, Inc., a corporation of Delaware

Application May 4, 1946, Serial No. 667,328
7 Claims. (Cl. 88—57)



1. In combination in a photographic objective: a multiple element conventional objective corrected for spherical and chromatic aberration, astigmatism, distortion, and coma, said conventional objective having a diameter d and a focal length f; and a positive annular lens coaxially positioned in front of said conventional objective, having a focal length greater than f and less than $1.45f$, and having an internal diameter substantially equal to d and an external diameter not greater than $1.67d$.

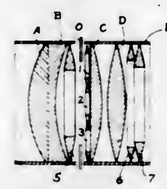
2,546,996

DEEP FOCUS LENS

Stephen E. Garutso, San Fernando, Calif., assignor to Garutso, Inc., a corporation of Delaware

Application September 4, 1946, Serial No. 694,686
5 Claims. (Cl. 88—57)

1. A deep focus, photographic objective comprising in combination a conventional photographic objective having a plurality of axially spaced elements and a plurality of annular, light-converging, balancing elements positioned between elements of said conventional objective, said balancing elements having external diameters less than one-half of that of said conven-



tional objective and having their optical axes substantially parallel to the axis of said conventional objective but displaced therefrom whereby said annular elements affect peripheral rays passing through said conventional objective while leaving relatively unaffected, a central zone thereof.

2,546,997

PERFLUORO CARBON COMPOUNDS

Carl I. Gochenour, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application September 5, 1947, Serial No. 772,461
14 Claims. (Cl. 260—653)

1. The process for treatment of perhalogenated aliphatic olefins having two adjacent carbon atoms linked by a double bond, and, attached to each of said atoms, a single halogen atom of the group consisting of chlorine and bromine, all other halogen atoms being fluorine, to substitute a triple bond for said double bond, which comprises reacting the olefin with a finely divided metal of the group consisting of iron, aluminum, magnesium and zinc, in a liquid medium inert with respect to the reaction.

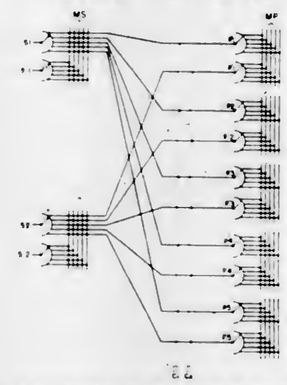
11. Aliphatic fluorocarbons having a triple bond.

2,546,998

SECONDARY PRESELECTOR

Fernand P. Gohorel, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

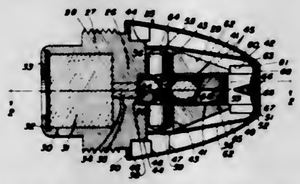
Application February 14, 1947, Serial No. 728,633
In France May 5, 1946
17 Claims. (Cl. 179—18)



1. In a telephone exchange system, a plurality of incoming lines terminating in first switches, a

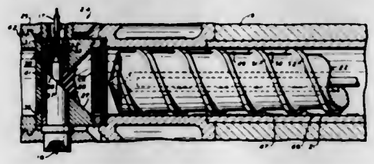
plurality of second switches, outgoing lines selected by the second switches, means for rendering said outgoing lines busy, trunks connecting the first to the second switches, magnets for operating the first and second switches, means for rendering an idle second switch busy when said second switch has selected an outgoing line that becomes busy and a chain circuit controlled by said last mentioned means for operating the magnets of idle second switches only when a predetermined number of the idle second switches has selected busy lines.

2,546,999
FUSE
Raymond L. Graumann, Alexandria, Va., and William J. Donahue, Jr., Washington, D. C.
Original application July 1, 1942, Serial No. 449,324. Divided and this application December 27, 1946, Serial No. 718,729
2 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



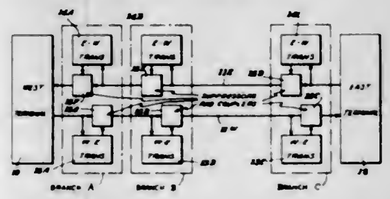
1. In a fuze, a body having a kerf providing a chamber and having radial bores extending from the chamber, a portion of each bore forming a shoulder, a detonator-carrier turnably mounted in the chamber, detent means occupying the bores and holding the carrier in an initially unarmed position, a firing pin to explode the detonator, and a spring yoke carrying said firing pin, said yoke having arms superimposed upon the detent means to hold them in the bores and having tips engaging the shoulders to brace the yoke in position to hold the firing pin in the forward position.

2,547,000
APPARATUS FOR SIMULTANEOUSLY ADVANCING AND PLASTICIZING PLASTIC COMPOUNDS
Alvin N. Gray, Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1949, Serial No. 86,062
8 Claims. (Cl. 18—12)



8. An extruder for elastomer compounds, which comprises an extrusion cylinder having an elongated, imperforate bore therein, and an extrusion screw fitting closely within the bore and having a pair of equidistant helical grooves extending from substantially one end of the screw to the other end thereof, the grooves having a helix angle between about 18° and about 30°, one end of the screw being a receiving end and the other end being a delivery end, said grooves decreasing gradually in depth from the receiving end portion of the screw toward the delivery end portion of the screw at which latter end of the grooves are sufficiently shallow to cause an elastomer compound advanced by the screw to be milled between the bottom of the groove and the wall of the bore so that the compound is worked intensely, the depth of the portions of the grooves at the delivery end portion of the screw being about 0.0 inch and about 0.030 inch.

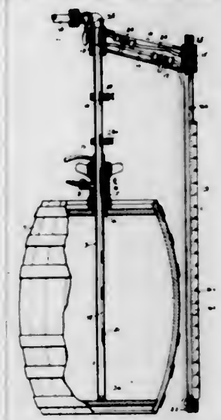
2,547,001
DROP CHANNEL PULSE MULTIPLEX SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1944, Serial No. 519,757
12 Claims. (Cl. 179—15)



1. In a communication system comprising a first terminal for transmitting a plurality of pulse trains, the pulses of each train being timed with respect to those of the other trains to provide a resultant train of pulses, a second terminal for receiving the pulse trains from said first terminal and a common medium interconnecting said terminals, a plurality of branch terminals, each coupled with said medium and comprising means for selecting the pulses corresponding to a different one of said trains, means at each branch for suppressing the selected pulses leaving corresponding gaps in said resultant train, means at the branch terminals for producing other pulses, means for timing said produced other pulses to correspond in time with said selected pulses, and means for applying said produced timed pulses to said common medium where the branches are coupled thereto and in said gaps left by suppression of said selected pulses.

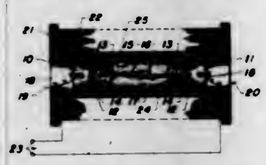
2,547,002
APPARATUS FOR DETERMINING THE LIQUID LEVEL IN A CONTAINER
Edward Hanson, Cleveland, Ohio, assignor of one-tenth to George B. Pitts, Cleveland Heights, Ohio
Application April 16, 1945, Serial No. 588,454
6 Claims. (Cl. 225—1)

1. In a combined dispensing and liquid gage mechanism, the combination of a fixture, a discharge pipe extending through said fixture and adapted to extend into a container, a valved outlet member on the outer end of said pipe, means for supplying a gaseous medium under pressure through said fixture into the container for applying pressure to the liquid therein, whereby the liquid may be discharged through said pipe, a tube within and extending longitudinally of said pipe and connected to said gaseous medium supply within said fixture, a fitting fixed to said pipe above said fixture and forming with the pipe a chamber, alined ports formed in said tube and said pipe, whereby the gas flows from said tube into said chamber, a liquid gage, valve controlled connections for the liquid between said pipe and



the lower end of said gage, and valve controlled connections for the gas between said chamber and the upper end of said gage.

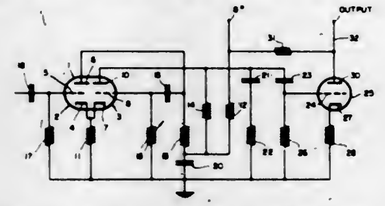
2,547,003
ELECTROMAGNETIC SWITCH
Charles E. Hastings, Hampton, Va.
Application February 4, 1946, Serial No. 645,431
2 Claims. (Cl. 200—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A switch comprising a tubular glass envelope, a pair of metal plugs mounted in the ends of said envelope, each of said plugs having a slot therein on the inside thereof, a pair of rectangular reeds mounted in said slots respectively and constructed and arranged to overlap at the inside ends thereof to provide electrical contacts, said envelope having a non-conducting liquid therein surrounding said reeds, said envelope and plugs forming a substantially hermetically sealed chamber, a pair of means for attaching electrical connections to said pair of plugs respectively, a sleeve of non-magnetic material surrounding said envelope, and a coil wound upon said sleeve, the energization of said coil controlling the electrical circuit through said reeds.

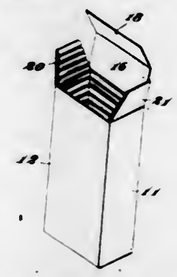
2,547,004
PULSE GENERATING DEVICE
Arthur R. Havens, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application August 1, 1946, Serial No. 687,636
4 Claims. (Cl. 250—36)

2. A pulse generator comprising a self-oscillating multivibrator including a first and a second space discharge tube, each comprising a cathode, a control grid and an anode, a common cathode impedance in the cathode circuits of said tubes, a coupling condenser for coupling the grid of said second tube to the anode of said first tube, an adjustable grid leak impedance in the grid circuit of said second tube for controlling the natural frequency of said multivibrator, an anode voltage supply connected individually to the anodes of said tubes through an anode impedance, means including a charging condenser and an impedance connected in the anode circuit of said second tube and arranged to be charged through its associated



anode impedance and discharged through said second tube, said second tube being arranged to be rendered conducting during a short period of a cycle of operation, means for impressing input pulses of negative polarity upon the grid of said first tube to render said second tube momentarily conducting in response to said input pulses and to initiate another cycle of operation, the frequency of said input pulses being lower than said natural frequency, and means connected across said charging condenser for deriving output pulses.

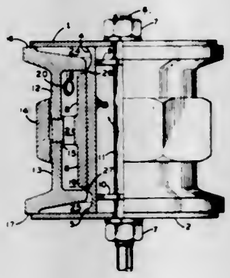
2,547,005
CONTAINER
John Huntting Herrick, Wellesley, Mass., and John Philip Pancoast, Glen Rock, N. J.
Application March 31, 1949, Serial No. 84,566
2 Claims. (Cl. 229—90)



1. A box blank capable of being erected into a box-like container of the type having side walls and inwardly folding ends, said blank consisting of a piece of composite sheet material including a smooth outer layer and a corrugated paper inner layer adhesively attached to the inner face of the outer layer and coextensive with the major portion thereof, said blank having four parallel spaced score lines defining an end panel and the four other panels, the alternate panels being of substantially the same width, the outer panel being free of said corrugated layer so as to provide smooth inner and outer faces, the four other panels being covered with the corrugated paper and being foldable so as to provide a box of rectangular cross section wherein said four other panels provide the side walls of the container with the corrugations on the inside thereof, the ends of said end panel extending beyond the ends of said four other panels and being free of corrugations and providing the inwardly foldable ends

of the container, the panels between said alternate panels having ends constituting flaps inwardly foldable into juxtaposition with the inner faces of said inwardly foldable ends of the end panel and covered with corrugated paper, the inner face of the end panel being foldable so as to overlie and be attached to the outer face of the most remote of said four other panels.

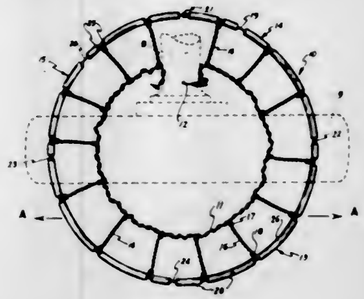
2,547,006
PNEUMATIC SPRING DISK VIBRATOR
Jurjen S. High, Philadelphia, Pa.
Application July 1, 1946, Serial No. 680,778
5 Claims. (Cl. 121—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



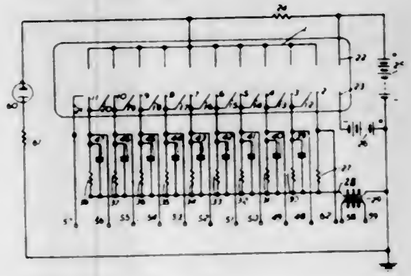
1. In a vibrator, a supporting spindle, an inner sleeve mounted on said spindle and having circumferential grooves adjacent opposite ends, spring discs secured to said spindle at opposite ends of said inner sleeve, an outer sleeve slidably fitted over said inner sleeve, a pair of annular bearing members, means fixing said bearing members to said outer sleeve, said bearing members having external seat portions engageable with said discs and internal seat portions slidably engaging said inner sleeve in the region of said grooves, and an inlet orifice in one of said bearing members, pressure within the bearing members being adapted to unseat said discs alternately to produce vibration.

2,547,007
ANTISKID DEVICE FOR VEHICLE TIRES
George W. Horner and Walter R. Robertson, Sr., Idaho Springs, Colo.
Application May 14, 1948, Serial No. 27,058
10 Claims. (Cl. 152—242)

10. An anti-skid device for vehicle tires, comprising an outer circumferential side chain composed of a plurality of links and fastener for the separable ends of said side chain, an inner circumferential member comprising similarly curved sections together forming a circle and being flexibly connected together at their meeting ends, said curved sections being composed of relatively heavy gauge wire, a series of non-metallic spaced sleeves telescoped over said wire, pairs of metal end bearing washers associated with the ends of the non-metallic sleeves, said sections and said spaced sleeves extending continuously, and a plurality of cross chains interconnecting the outer circumferential side chain and the inner circumferential member, said cross chains each having hook-like members at their opposite ends for engagement with the outer side chain and the inner circumferential member, said hook-like members engaging the wire portions of the inner circumferential member at spaced points and between the pairs of washers.

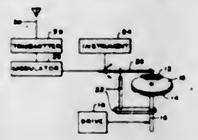


2,547,008
ELECTRIC PULSE GENERATOR
George Hubert Hough, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1948, Serial No. 52,527
In Great Britain November 13, 1947
16 Claims. (Cl. 250—27)



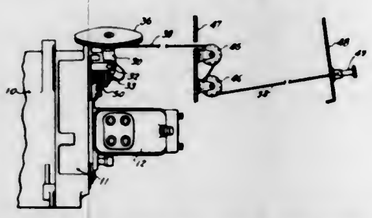
9. In combination, a gas filled electron discharge device comprising an envelope enclosing therein an anode, a plurality of cathodes positioned in a sequential series, and defining with corresponding anode portions a sequential series of main discharge gaps, and a plurality of auxiliary electrodes each connected electrically to a corresponding cathode and each having an integral unidirectional projecting portion disposed adjacent a succeeding one of said cathodes, each of said auxiliary electrodes forming with a successive cathode an auxiliary discharge gap; common conducting means; a plurality of impedance networks; connecting means coupling each cathode through a respective one of said networks to said common connecting means; a voltage source connected between said anode and common connecting means and furnishing an operating potential having a value sufficient to maintain a discharge across any anode-cathode gap but insufficient to initiate such discharge; means for applying a varying triggering voltage to at least one of said auxiliary electrodes; and output voltage deriving means connected in series with at least one of said cathodes.

2,547,009
TELEMETERING SYSTEM
William D. Huston, Cranford, N. J., and James M. Brady, Washington, D. C., assignors to the United States of America as represented by the Secretary of War
Application October 17, 1944, Serial No. 559,108
9 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



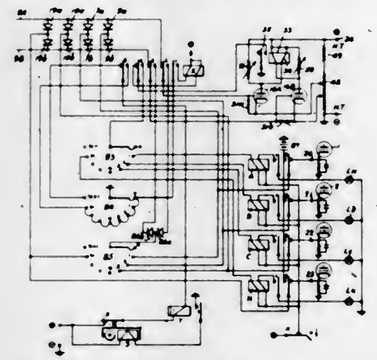
1. In a telemetering system, a rotatable phonograph disc with a raised sector and a plurality of distinguishable signals recorded on said raised sector, a plurality of reproducing arms with pick-up elements angularly disposed around said disc, the pick-up elements of one arm lagging the pick-up elements of the preceding arm by an angle at least as great as the angular dimension of said sector, a telemetered instrument connected to each arm for shifting the position of said arm with respect to said sector in accordance with the reading of said instrument when said arm is free of any engagement with said sector, means for rotating said disc whereby a reproducing engagement is established between one pick-up element at a time and said sector, for actuating said pick-up elements respectively with specific code signals corresponding to the positions of said elements relative to said sector, thus transforming said reading into said specific signals, and a transmitter connected to said pick-up elements for transmitting said specific signals, thereby remotely indicating the readings of said instruments.

2,547,010
AIRCRAFT ENGINE STARTER
Thomas Jackson, North Muskegon, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application July 5, 1946, Serial No. 681,576
4 Claims. (Cl. 123—185)



1. A manual engine starting mechanism comprising a clutch assembly having driving and driven members normally positioned out of engagement, said driving clutch member comprising a shaft carrying a clutch element at one end and supported for axial movement to engage and disengage said clutch members, manually operable means connected with said shaft to rotate same, said means comprising a crank arm keyed to said shaft and a cable attached to said crank arm, and means shifting said shaft to engage said clutch members and comprising a pivotally supported lever operable in a plane extending coaxially of said shaft, one end of said lever engaging said shaft and a compound sheave rotatably supported by the other end of said lever, said crank actuating cable attached to said sheave, and a second cable attached to said compound sheave and manually actuated to first rock said lever to axially shift said shaft and then operable to rotate said sheave to wind said crank cable to actuate said crank for rotating said shaft upon engagement of said clutch members.

2,547,011
ELECTRIC FAULT ALARM CIRCUITS
Bent Bulow Jacobsen, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1947, Serial No. 747,893
In Great Britain May 21, 1946
9 Claims. (Cl. 177—311)



1. An arrangement for indicating the presence of a fault associated with any one of a plurality of electric devices, comprising means for deriving a test potential characteristic of the operation of said devices from each of said devices, at least one test conductor connected common to said devices, a plurality of rectifiers each connected to a respective device and to said test conductor, means for applying said test potential to said common test conductor through said rectifiers, means for connecting to said test conductor a source of predetermined fixed potential in such manner that said conductor assumes a potential substantially equal to a predetermined limiting potential of said test potentials, said predetermined and test potentials being operative to block all of said rectifiers except that rectifier which corresponds to the device which produces said limiting test potential and means for connecting the test conductor to fault detecting means operative to transmit a fault indicating signal when the limiting test potential departs from the said fixed potential by more than a specified amount.

2,547,012
PREPARATION OF THIOPHOSPHORYL CHLORIDE
Oscar H. Johnson, Medina, N. Y., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Application August 3, 1948, Serial No. 42,341
9 Claims. (Cl. 23—14)

1. The method of producing thioiphosphoryl chloride which comprises heating a reaction mixture containing phosphorus pentasulfide. sulfur

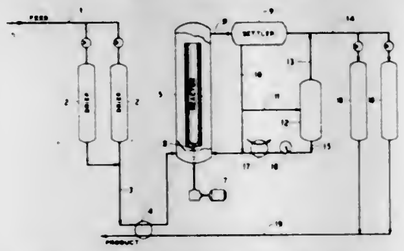
monochloride and phosphorus trichloride under conditions where vapors do not escape therefrom and until thiophosphoryl chloride is formed and thereafter separating the latter.

2,547,013

REDUCTION OF PHOSPHORIC ACID CORROSION IN A POLYMERIZATION PROCESS

Jacob D. Kemp, Richmond, and Lloyd F. Brooke, Berkeley Highland Terrace, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application June 4, 1949, Serial No. 97,281
11 Claims. (Cl. 260—683.15)



1. In a polymerization process wherein normally gaseous olefins are contacted with concentrated liquid phosphoric acid in a polymerization zone presenting acid-resistant metallic surfaces to the reaction mixture and wherein phosphoric acid esters of said olefins are formed during the process, the method of decreasing corrosion of said metallic surfaces which comprises maintaining the concentration of said esters in the reaction mixture below about 0.08 mol of ester per mol of free phosphoric acid.

2,547,014

METHOD OF TREATING BLACK GREASE AND PRODUCT THEREOF

Joseph H. Kirby, Memphis, Tenn., assignor to The Trendex Co., Memphis, Tenn., a corporation of Tennessee

No Drawing. Application March 2, 1949, Serial No. 79,317
21 Claims. (Cl. 260—409)

1. In a method of treating black grease, the improvement which comprises placing said black grease in a vessel, heating the same to cause esterification of diglycerides and the like, removing water therefrom, adding a nickel catalyst and thereafter subjecting the same to the action of hydrogen at a sufficiently high temperature to effect hydrogenation.

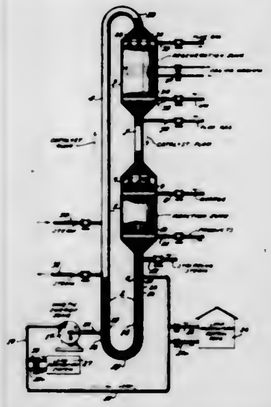
2,547,015

PROCESS FOR THE CONVERSION OF HYDROCARBONS IN THE PRESENCE OF A SOLID PARTICULATE CONTACT MATERIAL, UTILIZING A MOLTEN METAL AS THE CONVEYING MEDIUM

Chalmer G. Kirkbride, Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application November 28, 1947, Serial No. 788,629
5 Claims. (Cl. 196—52)

1. A process comprising continuously moving fluent solid contact material in particulate form through a system comprising a contact zone wherein the contact material is contacted with a heavy hydrocarbon oil under conversion conditions and a kinetic energy zone wherein at least substantially all of the force necessary to cause the contact material to move through the system is applied to the contact material, said force being continuously applied by moving downwardly by gravity a compact column of contact material that has passed through said contact zone and injecting into said column a downwardly directed stream of molten metal, said molten metal, together with commingled contact material, flowing through an essentially U-shaped zone, said contact material being forced by the injected stream of molten metal downwardly in the first



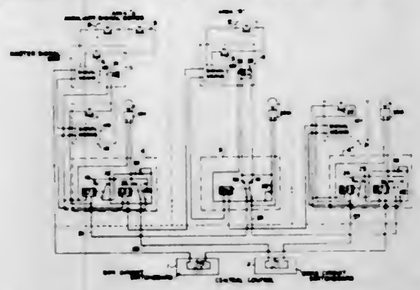
arm of the U-shaped zone and thereafter rising by the aid of buoyant force through molten metal in the second arm of said U-shaped zone so as to accumulate a column of contact material extending to a level extending to the top of said system, removing a stream consisting substantially solely of molten metal from a position in the second arm of the U-shaped zone, imparting kinetic energy to said stream consisting substantially solely of molten metal in a zone outside of said U-shaped zone, and employing said stream to which kinetic energy has been imparted as the stream of molten metal injected into said column of downwardly moving contact material.

2,547,016

LOCALIZED ALARM SYSTEM

Joseph H. Kirkpatrick, Jr., Darby, Pa.

Application August 7, 1946, Serial No. 688,867
2 Claims. (Cl. 177—360)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



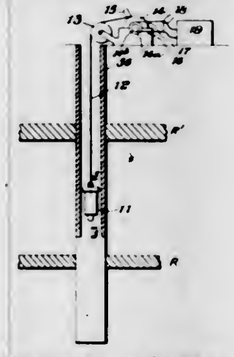
1. A signalling system comprising a plurality of alarm-producing means disposed in different areas, a series electrical circuit interconnecting said alarm-producing means, said circuit being constantly energized and including relay means normally rendering said alarm-producing means inoperative to produce an alarm, signal-generating means in each of said areas actuatable to condition said relay means for response to a signal from said signal-generating means, and means in each said area responsive to a signal from the signal-generating means in the same area only after conditioning of said relay means to short-circuit a part of said circuit associated with the corresponding alarm-producing means, thereby to render the latter operative to produce an alarm.

2,547,017

METHOD AND APPARATUS FOR MEASURING RADIOACTIVITY

Shelley Krasnow, New York, N. Y., and Leon F. Curtiss, Montgomery County, Md., assignors, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application October 24, 1939, Serial No. 301,078
36 Claims. (Cl. 250—83.6)



1. An apparatus for indicating a change in voltage comprising, an oscillatory circuit including a plurality of electrical impedances, means connected to the said oscillatory circuit for injecting thereinto a voltage that is out-of-phase with respect to the voltage developed across one of said impedances so as to change the apparent value of one of the impedances in the oscillatory circuit by a variable amount, and additional means responsive to voltage change and serving to control said injecting means to vary proportion of apparent change of the said last-named impedance in the oscillatory circuit, the change in impedance causing a change in frequency of oscillation.

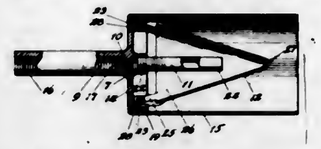
2,547,018

FIRE EXTINGUISHING MEDIUM DISCHARGE METHOD AND APPARATUS

Joseph E. Kucher, Lyndhurst, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application June 7, 1947, Serial No. 753,297
13 Claims. (Cl. 169—9)

12. A discharge nozzle for fire extinguishing fluid liquified under pressure comprising a housing having inlet and outlet passages for the fluid, a hollow cone-shaped member having an aperture at its apex, the base of the cone-shaped member positioned about the outlet so as to receive fluid discharged therefrom and deflect one portion of said fluid back over itself and to pass another portion of said fluid through said aperture, and fluid directing means positioned about said outlet and said cone-shaped member.

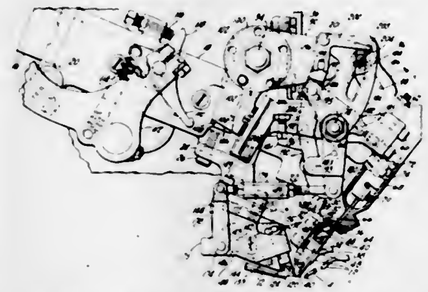


2,547,019

FASTENER-INSERTING MECHANISM

Alphonse C. Kulik, Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 11, 1949, Serial No. 98,547
8 Claims. (Cl. 1—20)



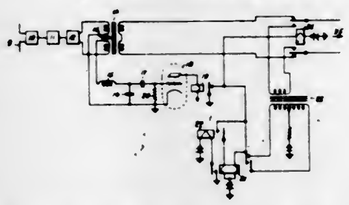
1. A fastener-inserting mechanism having, in combination, a work-entering deflector and a staple driver, driver-operating means and deflector-operating means, and positive drive connections between said driver-operating means and the deflector-operating means including a pair of members forming a toggle, said toggle being operative, when straightened, to cause the deflector to enter the work on actuation of the driver-operating means.

2,547,020

METHOD AND MEANS FOR THE TRANSMISSION OF LOW-FREQUENCY CALLS IN TELECOMMUNICATION SYSTEMS BY INTERRUPTING THE CARRIER

Marc André Lalande, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 25, 1947, Serial No. 763,618
In France December 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 26, 1964
9 Claims. (Cl. 179—84)



1. In a signal communication system utilizing a carrier current for transmission, the method

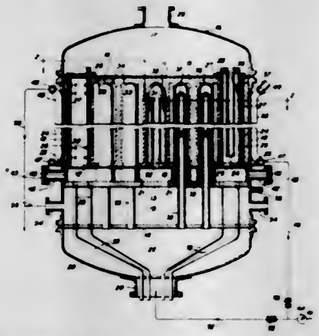
of transmitting and reproducing calls of a signal frequency low with respect to the frequencies in a predetermined signal range, comprising the steps of modulating said carrier current at the transmitter with a frequency corresponding to said low frequency call signals to produce one or more harmonics of said low frequency, receiving and selecting from said modulated carrier current certain of said harmonics located in portions of said predetermined signal range and reproducing the low frequency call from the energy of said selected harmonics.

2,547,021

CATALYTIC CRACKING OF HYDROCARBONS AND APPARATUS THEREFOR

Raymond C. Lassiat, Swarthmore, George H. Kelso, Upper Darby, and James E. Evans, Wallingford, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application March 2, 1946, Serial No. 651,662
8 Claims. (Cl. 196—52)



1. In a cyclic process for the catalytic cracking of hydrocarbons using a static bed of catalytically active contact material which process comprises an endothermic cracking period, during which said bed of catalytically active contact material is contacted with said hydrocarbons and concomitantly accumulates a carbonaceous deposit, and an exothermic regeneration period, during which said carbonaceous deposit on the contact mass is removed by oxidation; the improvement which comprises passing said hydrocarbons under cracking conditions through a bed of selected heat capacity of at least 0.45 British thermal unit per liter per degree Fahrenheit, said contact mass consisting of from 40 to 90 percent of siliceous hydrocarbon cracking catalyst and from 10 to 60 percent of an inert refractory material of high volumetric heat capacity, and continuously removing heat from said contact mass during the entire cracking and entire regeneration periods by flowing heat exchange fluid at a temperature substantially lower than that of the contact mass at any time through a plurality of indirect heat exchange zones regularly arranged and spaced apart within said bed, said heat exchange zones extending horizontally and vertically into said bed and having between 0.3 to 0.7 square foot of heat exchange surface per liter of contact mass, the boundary between said heat exchange zones and said bed being devoid of protuberances restricting downward and lateral flow of said contact mass to discharge points at the bottom of said bed.

4. Apparatus for contact treatment of process fluids at controlled temperatures comprising a vertical casing with a removable top, a top tube sheet and a contact mass retaining tube sheet transversely disposed within said casing, the top tube sheet being removable and forming in conjunction with the removable top of the casing an upper process fluid manifolding chamber, the contact mass retaining tube sheet being in parallel spaced relation to said top tube sheet and forming in conjunction therewith a chamber for a contact mass, said contact mass retaining tube sheet forming the top of a lower process fluid manifolding chamber spaced immediately therebelow, process fluid distributing conduits within the casing communicating with the upper process fluid manifolding chamber and removably attached to the top tube sheet and extending through the vertical extent of the chamber for the contact mass, said conduits having closed lower ends and being threaded into openings in the contact mass retaining tube sheet but out of communication with the lower process fluid manifolding chamber, additional process fluid distributing conduits positioned within the chamber for the contact mass and with closed top ends in proximity to the top tube sheet and with open lower ends threaded in openings in the contact mass retaining tube sheet and communicating through open bottom ends with the lower process fluid manifolding chamber, both of the above types of conduits being freely rotatable about their vertical axis without interference with other portions of the structure or with the contact mass and being apertured with metering orifices at various points, indirect heat exchange fluid conduits with closed ends in proximity to the top tube sheet and with open lower ends fastened to the main tube sheet, said indirect heat exchange fluid conduits extending through and peripherally sealed to the contact mass retaining tube sheet, the portion of said indirect heat exchange fluid conduits within the reaction chamber having fins on the outer periphery thereof for substantially the vertical extent thereof, said fins being arranged and disposed to allow substantially complete and easy downward discharge of a granular contact mass toward said openings in the contact mass retaining tube sheet provided by removal of only a fraction of said process fluid distributing conduits and having no obstructions to the lateral flow of contact mass outwardly from said indirect heat exchange conduits, said indirect heat exchange fluid conduits and said fins constituting heat exchange elements having an outside surface of between 0.3 to 0.7 square foot per liter of contact mass and having average clearances of greater than one inch between adjacent surfaces, means for circulating a heat exchange fluid through said indirect heat exchange fluid conduits, conduits for the flow of process fluids to be contacted which extend outside the casing and communicate with the lower process fluid manifold, the removable top of the casing being provided with a port communicating with the upper process fluid manifold, the casing being provided with ports communicating with the lower process fluid manifold and having removable pressure tight covers.

2,547,022

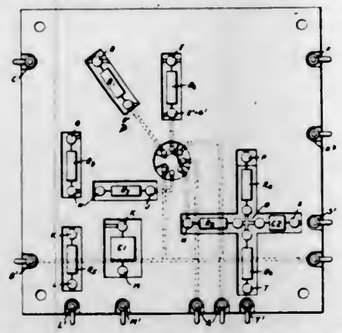
ELECTRICAL CONNECTIONS AND CIRCUITS AND THEIR MANUFACTURE

John Albert Leno, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 14, 1948, Serial No. 32,923
In Great Britain June 25, 1947
4 Claims. (Cl. 250—16)

1. An electric circuit comprising a plurality of layers of insulating material having apertures

therein, the apertures of two adjacent layers coinciding in part, electric conductors printed on non-contiguous surfaces of said adjacent layers, at least one of the conductors on each of said adjacent layers extending to a respective edge of



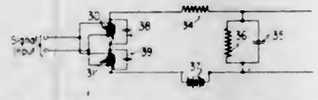
its corresponding coinciding aperture, said conductors being peripherally spaced from each other at the aperture edge, whereby said conductors are arranged for independent connection at said apertures.

2,547,023

SELECTIVE CALLING SYSTEM

Ralph J. Lense, Deerfield, and Alfred S. Holzinger, Chicago, Ill., assignors to Motorola, Inc., a corporation of Illinois

Application May 23, 1947, Serial No. 749,952
7 Claims. (Cl. 177—353)



6. A selective responsive system including in combination, a first electromechanical unit adapted to respond to a signal of a first frequency, a second electromechanical unit adapted to respond to a signal of a second frequency, each of said units including mechanical means adapted to vibrate when a signal including the frequency to which said unit responds is applied thereto and electrical means rendered intermittently conducting by said mechanical means when said mechanical means vibrates, main capacitor means, a voltage source, a series circuit including said electrical means of said electromechanical units, said main capacitor means and said voltage source, said series circuit operating to charge said main capacitor means from said voltage source in response to a signal including said first and second frequencies, and first and second circuit means each including a capacitor, said circuit means being individually connected across said electrical means of said units for completing said series circuit when the associated electrical means is not conductive and being shorted when said electrical means is conductive.

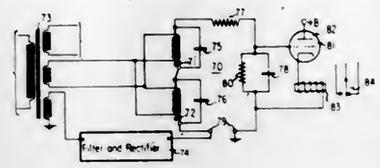
2,547,024

SELECTIVE CALLING SYSTEM

Daniel E. Noble, Elmhurst, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application July 2, 1947, Serial No. 758,496
9 Claims. (Cl. 250—6)

1. A selective control system including in combination, first frequency selective means responsive to a first signal of a first frequency, said first frequency selective means including means producing a direct current output voltage in response to the application of said first signal thereto, second frequency selective means including means providing an intermittently conducting path in response to the application thereto of a second signal including at least one different frequency, means for simultaneously applying signals to said first and second frequency selective



means, condenser means, and circuit means including said second frequency selective means for connecting said condenser means to said first frequency selective means for charging said condenser means from said direct current output voltage through said intermittently conducting path, said circuit means providing charging current for said condenser means only in response to the simultaneous application to said system of said first and second signals.

2,547,025

FREQUENCY SELECTIVE CALLING SYSTEM

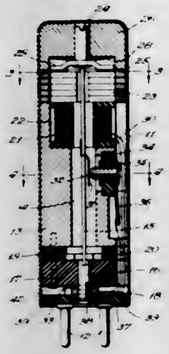
Daniel E. Noble, Elmhurst, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application July 23, 1948, Serial No. 40,330
13 Claims. (Cl. 177—353)



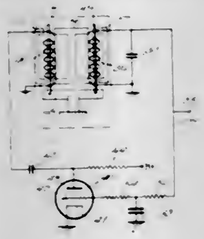
2. A system for providing selective operation in response to a signal including a plurality of predetermined frequencies, said system including in combination, a plurality of pairs of frequency selective devices each of which includes means for providing a conductive path in response to one of said predetermined frequencies, a plurality of impedance elements individually associated with said pairs of frequency selective devices, a source of potential, a first circuit including said source of potential, said devices of one of said pairs and said associated impedance element for producing a voltage across said impedance element in response to a signal including frequencies to which said devices of said one pair are responsive, and at least one additional circuit coupled to said impedance element of said first circuit and including another pair of said frequency selective devices and the associated impedance element, said additional circuit providing a voltage across said impedance element thereof when a voltage exists across said impedance element of the preceding circuit, and in response to a signal including the frequencies to which the devices of said additional circuit are responsive.

2,547,026
VIBRATING REED STRUCTURE
Marion R. Winkler, La Grange Park, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application January 2, 1948, Serial No. 342
9 Claims. (Cl. 200—93)



1. A vibrating reed structure comprising a heavy longitudinally extending base member having a central opening therein, a magnetic reed supported on said member at one end and extending through said opening to the other end thereof, a coil positioned in said opening in said member adjacent said other end, laminated permanent magnet means supported on said member at said other end and having pole pieces positioned adjacent and on substantially opposite sides of said reed, a resilient contact member on said reed, an adjustable fixed contact on said base member adapted to be engaged by said resilient contact when said reed vibrates, a heavy cap secured on said magnet means and including an adjustable shunt for varying the effective strength of said magnet means.

2,547,027
VIBRATING REED CONTROLLED OSCILLATOR
Marion R. Winkler, La Grange Park, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application January 2, 1948, Serial No. 343
7 Claims. (Cl. 250—36)



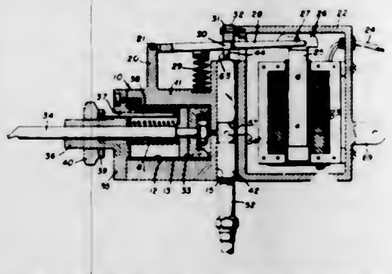
1. In an oscillator, means for producing feedback for sustaining oscillations of a predetermined frequency including in combination, first and second magnetic reeds each having a natural frequency of vibrations substantially equal to said predetermined frequency, a magnetic structure about said reeds including a central elongated magnet and a pair of elongated magnets spaced therefrom, pole pieces secured to said magnets to provide a pair of opposed magnetic fields on opposite sides of each of said reeds, supporting means for said reeds including a rigid mounting member for interconnecting said reeds and a resilient support for securing said rigid mounting member to said central magnet, first and second windings individually positioned about said reeds and supported by said magnetic structure, and a feedback circuit including first and second windings for apolying signals to said first winding, said first winding producing a fluctuating magnetic field superimposed on said balanced magnetic field which causes vibration of said first reed when said fluctuations occur at said predetermined frequency, said rigid mounting member transmitting vibrations of said first reed to said second reed causing said second reed to vibrate at said natural frequency, said second winding translating the fluctuations in the field about said second reed caused by movement thereof in said balanced field into electrical oscillations occurring at said predetermined frequency.

2,547,028
DIRECTION FINDING SYSTEM
Lester L. Libby, East Orange, N. J., and Eugene Cole, Kew Gardens, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 14, 1946, Serial No. 647,603
13 Claims. (Cl. 343—121)



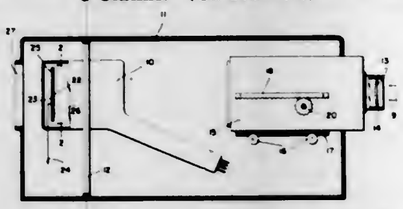
1. A direction finder comprising an antenna system having a plurality of directive radiant action patterns, a plurality of modulators, means for applying energy derived from said antenna system in accordance with each of said patterns to the input of separate ones of said modulators, a source of modulating voltages having a plurality of outputs with each of said outputs being displaced in phase with respect to the others, means for separately applying the outputs from said source to separate ones of said modulators to produce in effect an azimuthal shifting of the radiant action patterns, a receiver, means coupling the outputs of said modulators to said receiver, an electronic distributor having a plurality of electron discharge devices, means coupling the output of said receiver to each of said devices in parallel, means applying the outputs from said source to separate ones of said devices to control the conductivity thereof, a cathode ray tube including a plurality of means for deflecting the beam, each deflecting the beam in different directions and means for separately applying the outputs from said devices to separate ones of said deflection means.

2,547,029
AIR CYLINDER FOR INDEXING RATCHET STOPS AND THE LIKE
Arthur M. Loungway, Oneida, N. Y.
Application February 5, 1947, Serial No. 726,632
2 Claims. (Cl. 121—38)



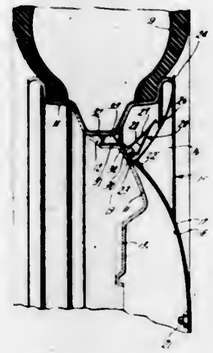
1. An air cylinder for indexing ratchet stops or the like which includes a body block having an axial bore entering one end, said block having a pair of transverse bores extending therethrough which lie along spaced parallel axes lying in a plane perpendicular to the axial bore near the inner end thereof and a relatively short port establishing communication between each transverse bore and the axial bore, one of said transverse bores being vented to atmosphere, a piston in the cylinder, a piston rod carried by the piston and extending outwardly through the axial bore, a normally open air pressure exhaust valve in the vented transverse bore and a normally closed air pressure inlet valve in the other transverse bore, a lever pivotally supported on the frame, means yieldably to hold said lever elevated, electromagnetic means for depressing the lever, a finger extending laterally from the lever intermediate its ends for opening the inlet valve when the lever is depressed and means actuated by the finger for holding the exhaust valve open when the lever is elevated.

2,547,030
VIEW FINDER FOR TELEVISION CAMERAS
Wayne Joseph Luckock, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application December 1, 1945, Serial No. 632,229
5 Claims. (Cl. 178—7.2)



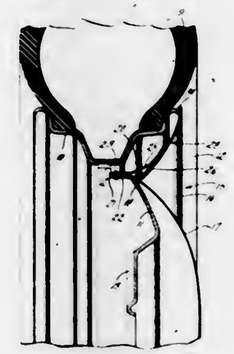
5. In a television camera, a lens system, a photosensitive, electron emissive screen, a transparent member supporting said photosensitive screen, said member having a viewing surface extending laterally beyond said photosensitive screen, said screen and said viewing surface being arranged to receive light from said system substantially simultaneously, and means for positioning said system with respect to said screen and said viewing surface, said viewing surface being spaced such a smaller distance from said system than the effective surface of said photosensitive screen that when visible light is focused on said viewing surface by adjustment of said means infra-red light is simultaneously focused on the effective surface of said photosensitive screen.

2,547,031
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application February 9, 1946, Serial No. 646,636
11 Claims. (Cl. 301—37)



1. In a cover structure for a wheel including tire rim and body parts, a circular cover for disposition on an outer side of the wheel having a shoulder, and cover retaining means between said wheel parts comprising a spring extending behind the cover and provided with a tang-like finger depressed therefrom toward the axis of the wheel for tensioned engagement with said shoulder, said cover comprising nested circular shells, one extending radially beyond the other to define said shoulder and an outer annular ring having a radially inner margin held between said nested shells.

2,547,032
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application February 9, 1946, Serial No. 646,638
2 Claims. (Cl. 301—37)



1. In a wheel structure including a multi-flanged tire rim and a load-sustaining body part, the juncture of the body part and the tire rim having a plurality of wheel openings defined at the body part side thereof by a radially inwardly depressed flange portion of the body part, a cover for the outer side of the wheel including a portion of a radial extent to substantially conceal

the tire rim and extending to the body part closely adjacent to said wheel openings and having a generally radially outwardly extending annular shoulder, and a retaining clip for the cover comprising a resilient sheet metal body having an axially inner portion thereof in face to face engagement with the flange defining one of said wheel openings, the inner extremity of the body being formed with a terminal flange extending angularly radially inwardly and engaging the axially inner edge of the wheel body flange, said abutting portion of the clip body being secured permanently to the wheel body flange, the axially outer portion of the clip extending substantially axially outwardly of the wheel body and curving radially outwardly behind the tire rim concealing portion of the cover, said outer portion having a cover-retaining resilient tang struck integrally therefrom and extending generally toward the axis of the wheel and into engagement with the shoulder on the cover and yieldably pressing said shoulder retainingly against the wheel body.

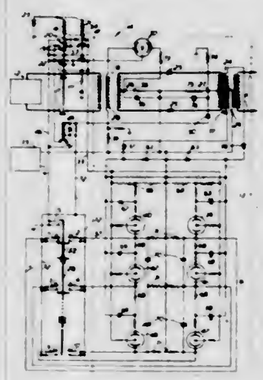
2,547,033
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application March 14, 1946, Serial No. 654,286
4 Claims. (Cl. 301—37)



1. In a wheel structure including a multi-flange tire rim and a body part, the tire rim being adapted to support a pneumatic tire and having an outer terminal flange extending axially outwardly beyond the tire, a circular wheel cover made from sheet material and having a radial extent to engage the wheel body and to extend radially outwardly beyond the tire rim terminal flange, the outer margin of said cover having an axially and radially inwardly turned attachment flange formation including a terminal portion engaging said tire rim terminal flange at the radially outer side thereof in that portion thereof which is clear of the tire, said terminal marginal flange portion of the cover being resiliently attachable to the tire rim terminal flange in snap-on pry-off relationship while the tire is on the rim, the engagement of the inner portion of the cover with the wheel body affording a cooperative relationship with said terminal flange maintaining the same under stress against said tire rim terminal flange.

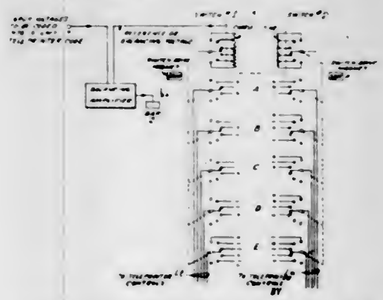
2,547,034
PULSE-TRANSMITTING DEVICE
Armand Mamor, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 1, 1948, Serial No. 36,392
In the Netherlands August 28, 1947
8 Claims. (Cl. 177—380)

1. A system for transmitting a predetermined number of half waves of alternating electric energy comprising a source of said energy, means to transmit said alternating energy, normally open static switching means having input and output transformers connected through rectifiers, said switching means controlling the connection between said alternating energy source and said transmitting means, a counting chain, a plurality of controllable switches, each switch corresponding to a different predetermined number of half waves desired to be transmitted, common means actuated by said switches to raise



the voltage at said input transformer to close said switching means and to start transmission of said alternating energy, means responsive to the closure of said switch to actuate said counting chain, and means controlled by said counting chain and the operated one of said plurality of switches to raise the voltage at said output transformer above that of said input transformer for opening said switching means to stop said transmission and the operation of said counting chain when said predetermined number of half waves has been transmitted.

2,547,035
ELECTRIC SIGNALING SYSTEM
Eric Malcolm Swift McWhirter, Roland Harris Dunn, and Peter William Lennox, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application January 2, 1947, Serial No. 719,773
In Great Britain February 5, 1946
6 Claims. (Cl. 177—351)



1. A system for converting input electric signals of different energy content into telegraph code signal combinations comprising a source of telegraph code potential: an outgoing line, a source of reference potential in graduated steps;

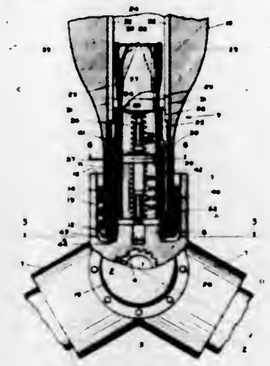
means for comparing said input signals with said reference potential including a balancing network, said network, comprising grid-controlled electron discharge means, said discharge means having a short grid base in contrast to the range of energy content of the input signals to be compared, means for applying said input signals to said discharge means in a direction to prevent the flow of space current in said discharge means, first switch means of the plural contact, plural bank type, having different of the contacts of selected of said banks connected to different of the steps of said reference potential, and different of said banks having selected contacts thereof connected to said code potential in a predetermined polarity sequence, said first switch means under control of said discharge means and adapted to sequentially apply different steps of said reference potential to said discharge means in a direction opposite to said input signals, additional switch means for sequentially scanning said different contact banks of said first named switch means, said additional switch means coupled between said first named switch means and said line whereby said code combinations are applied to said line, to indicate the varying energy content of said input signals.

2,547,036
HYDROCARBON CONVERSION PROCESSES WITH ACID-TREATED CLAY CATALYSTS
George Alexander Mills, Swarthmore, Pa., assignor to Houdry Process Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 13, 1948, Serial No. 54,362
8 Claims. (Cl. 196—52)

1. The process of cracking normally liquid hydrocarbons which comprises contacting such hydrocarbons under catalytic cracking conditions with a modified acid-treated clay containing magnesia substantially free of alkali metal compounds and containing less than 0.4% of iron compounds calculated as Fe_2O_3, said catalyst having been heated to above 1425° F., and recovering from the cracked products a hydrocarbon fraction in the gasoline boiling range.

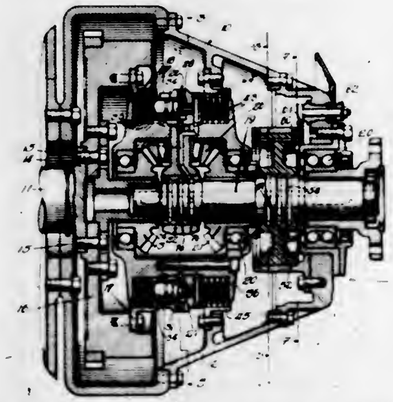
2,547,037
AUTOMATIC PITCH CHANGE PROPELLER
Ober B. Morelock, United States Navy, National City, Calif.
Application November 19, 1945, Serial No. 629,691
11 Claims. (Cl. 170—160.16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

10. An operating mechanism for varying the pitch of a propeller having a hub with hollow blades rotatably mounted in the radial sockets of the hub including, a weight freely slidable in each blade so as to be responsive to centrifugal action, cam means coacting with the weight for rotating the same upon sliding movement thereof, the cam means extending at an acute angle to the longitudinal axis of the blade, the outer portion of said cam means being of greater angularity than the inner portion, guide means for connecting said weight to said blade whereby the blade rotates with the weight and the pitch of said blade is varied, resilient means engaging said weight to bias the same toward the hub and coacting with the cam means to maintain the weight and blade in predetermined positions at constant speeds of rotation, and selectively operable hydraulic means engageable with the weight to move the same outwardly whereby said weight is rotated by the outer portion of the cam means to increase the pitch of said blade, said weight



being under the control solely of centrifugal force and said resilient means, except when said hydraulic means is selectively operated.

2,547,038
REVERSING GEAR
Walter Parrish, Grosse Pointe Woods, Mich., assignor to Research Engineering Corporation, a corporation of Indiana
Application May 11, 1948, Serial No. 26,381
3 Claims. (Cl. 74—780)



1. A reversing gear comprising a housing; a drive shaft and a driven shaft rotatably mounted in the housing; a drive gear mounted on the drive shaft and a driven gear mounted on the driven shaft; a freely rotatable planet carrier interposed between said gears and having a spider with at least three arms; a gear on each arm meshing with the drive gear and with the driven gear; clutch means for clutching the planet carrier to the drive shaft; brake means for braking the rotation of the planet carrier; a first plurality of hydraulically operable piston and cylinder devices on the planet carrier for actuating the clutch means; a second plurality of hydraulically operable piston and cylinder devices on the planet carrier for actuating the brake means; a fluid passage in each of at least three of said arms, the first of said fluid passages being connected to the

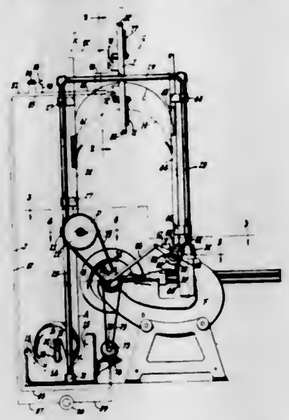
first plurality of cylinders, the second of said passages being connected to the second plurality of cylinders and the third of said passages being connected to all of said cylinders; a single passageway extending longitudinally of the driven shaft, a quill element inserted in the passageway and dividing the passageway into three hydraulic conduits with each conduit being connected to a different one of said passages; a source of fluid pressure; control means including a wheel-like member having three spokes, a control passage in each spoke connected to a different one of said conduits with the control passage in the third spoke being connected to the conduit connected to the third passage, an inlet port connected to the source of fluid pressure and an exhaust port; and means for rotating the wheel-like member to bring the control passages in either the first or second spoke into registry with the inlet port, rotation of said member between positions connecting said control passages in the first or second spoke with said inlet port causing intermediate registry of the control passage in said third spoke with the exhaust port.

2,547,039

STRIP FEEDING MACHINE HAVING CONTROL FOR SLACK LENGTH IN STRIPS

William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application October 2, 1947, Serial No. 777,415
3 Claims. (Cl. 271—2.3)



1. In a machine for feeding strip, web or similar material along a path of travel, the combination of primary feeding devices for continuously advancing the material into a slack loop, secondary feeding devices for intermittently feeding the material from said loop, actuating means including a shaft for operating said secondary feeding devices, a drive clutch mounted on said actuating shaft and including a rotating driven element having a clutch connection with the shaft for operating said primary feeding devices, auxiliary actuating means connecting with the driven element of said clutch for rotating said element relative to said actuating shaft to change the rate of advancement of the strip by said primary feeding devices, and control means connecting with said auxiliary actuating means and operable by a predetermined amount of material in said slack loop for engaging or disengaging said driven clutch element and said drive shaft to regulate the length of material in said loop in accordance with the feeding of the material from the loop.

2,547,040

METALLIC TUBE FURNACE

Abe J. Perle, Orange, N. J., assignor to Persiro Manufacturing Corp., Newark, N. J., a corporation of New Jersey

Application October 4, 1946, Serial No. 701,153
1 Claim. (Cl. 158—1)



In a metallic tube furnace, the combination with a metallic cylindrical combustion tube of stainless steel of high chrome type 446, adapted to temperatures of 2150° F., having one end to receive burning fuel and air, and having its other end open to discharge the products resulting from the combustion thereof, a flow reverser of refractory material spaced from the discharge end of the combustion tube, and in the path of the discharging products of combustion, to reverse the flow of said products, a metallic cylindrical flue tube concentrically spaced from the exterior of the combustion tube and extending along the length thereof, forming an annular space between the tubes, and having its receiving end abutting the periphery of the flow reverser to receive in said annular space the products of combustion from the flow reverser and guide them along the exterior of the combustion tube and over any incandescent part thereof, of a spinner disposed between the discharge end of the combustion tube and the receiving end of the flue tube to spiral the products of combustion directed by the flow reverser into the annular space between the tubes, for preventing the combustion tube from reaching a harmful high temperature.

2,547,041

MEDICAL ELECTRODE

Elmer A. Piar, Cleveland, Ohio

Application May 12, 1948, Serial No. 26,599
3 Claims. (Cl. 128—303.14)

1. A medical electrode, comprising in combination, a substantially rectangular metallic body member, having a longitudinally extending slot in the lower face thereof, a pair of guide members mounted in the said slot at the ends thereof, each of the said guide members having an arcuate bearing surface, a plurality of spaced metallic operating blade members mounted in the said slot between the said guide members, each of the said blades having an arcuate edge that projects below

the plane of the guide member bearing surfaces, and a conducting handle mounted on the upper



surface of the body member, the said handle having terminal means thereon.

2,547,042

COATED MINERAL GRANULE, METHOD OF MAKING SAME, AND ROOFING MATERIAL SURFACED THEREWITH

Gordon R. Pole, White Bear Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application December 26, 1947, Serial No. 794,085
15 Claims. (Cl. 117—65)

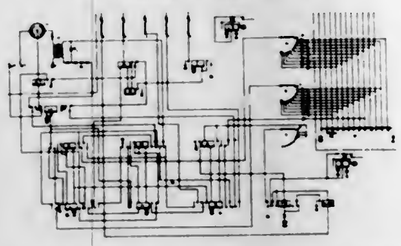
13. The method of applying a colored coating to mineral granules having minor proportions of free silica distributed therethrough, in the manufacture of roofing granules, comprising coating said granules with a film-forming composition consisting essentially of a coloring agent and hydrated lime, and hydro-thermally reacting the hydrated lime with the free silica on the surface of the granules at steam temperatures within the range of 250° to 422° F.

2,547,043

AUTOMATIC CONTROL OF SELECTORS BY REGISTER POTENTIAL MATCHING

Willy Pouliart, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 14, 1947, Serial No. 728,548
In the Netherlands March 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1962
11 Claims. (Cl. 179—18)



1. In a telecommunication system, a switching arrangement comprising at least one stage of group selectors having sets of terminals divided into groups, a set of brushes adapted to hunt over a selected group of terminals for an idle set, and means for moving said brushes over said terminal, a register controller having impulse receiving and storing means for the digits corresponding to the designation of the connection to be established, means for controlling the group selecting operation of said selector from said register controller comprising a signalling circuit linking said set of brushes to said digit storing means, a plurality of sources of direct potential, means for connecting predetermined of said sources to the first and last terminals in each group of terminals to mark the beginning and end of each group, means controlled by said impulse storing means for marking the register controller end of said signalling circuit with potentials from said sources characteristic of the digit stored, a detector in said signalling circuit responsive to a predetermined current flow between said brushes and said impulse storing means, means controlled by said register controller for energizing said brush moving means to initiate the movement of said brushes over said terminals, means controlled by said detector for arresting the energization of said brush moving means so as to stop the brushes on a set of terminals, means responsive to the first operation of said detector for restoring said detector to normal condition so that it may be subsequently operated, means responsive to the restoration to normal of said detector for shifting from the potential characteristic of the stored digit at the register controller end of said signalling circuit to a predetermined check potential insufficient to operate said detector, whereby the means for energizing the brush moving means is again operated to cause said brushes to continue hunting within the group of terminals, means for characteristically marking free selector terminals within the groups, and means controlled by the means for shifting the potential of the stored digit for arresting said brush moving means when the selector has reached a free terminal within the group.

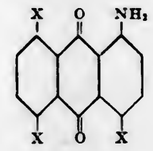
2,547,044

PRODUCTION OF BENZANTHRONE VAT DYES METHYLATED IN 9-POSITION

David I. Randall, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

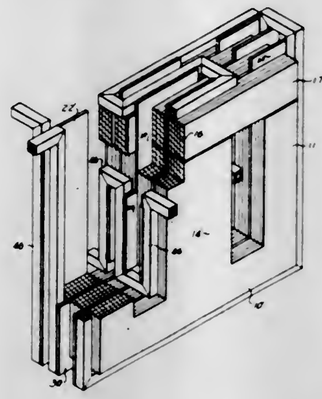
No Drawing. Application February 17, 1949, Serial No. 77,053
2 Claims. (Cl. 260—274)

1. The process of producing vat dyes of the benzanthrone series containing a methyl group in 9-position of the benzanthrone ring which comprises heating in the presence of an alkali a 1-amino-anthraquinone of the following formula:



wherein one X is selected from the class consisting of hydrogen, amino, benzoylamino, acetylamino and alkoxy, and the other X's are hydrogen, with a 4 - bromo - 9 - chloromethyl - benzanthrone, and subjecting the resulting condensation product to alkali fusion to effect ring closure thereof.

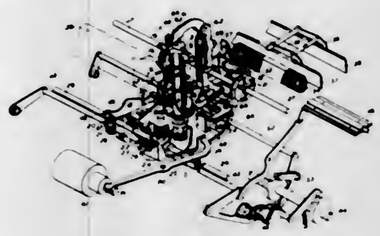
2,547,045
MEANS FOR COOLING MAGNETIC CORES OF ELECTRICAL APPARATUS
John T. Sabol, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio
Application December 4, 1947, Serial No. 789,620
6 Claims. (Cl. 175—356)



1. An electrical transformer having an E-shaped core member which tends to heat when in use, said member comprising a plurality of juxtadisposed magnetic laminations, each having a plurality of spaced parallel legs including an intermediate leg adapted to receive an electrical winding, the space between said legs defining a winding window, means for cooling at least said intermediate leg comprising a plurality of cooling laminations of relatively high heat conductivity with respect to said magnetic laminations interleaved with at least the center leg of said magnetic laminations, said cooling laminations including hollow tubes attached to exposed edges thereof adjacent said winding window and means interconnecting the ends of said tubes in a continuous manner, whereby a cooling fluid may be continuously flowed along said exposed edges to carry away heat generated in said intermediate leg of said magnetic laminations and conducted to said cooling laminations.

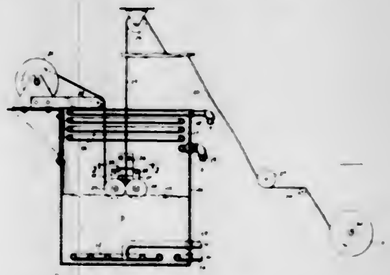
2,547,046
TYPE-WHEEL CONSTRUCTION FOR PRINTING TELEGRAPH RECEIVERS
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, England
Application August 19, 1947, Serial No. 769,429
In Great Britain May 24, 1946
13 Claims. (Cl. 197—53)

1. Page printing telegraph receiver comprising a platen, a carriage, means for causing relative movement between said platen and said carriage for character spacing, a shaft mounted on said carriage, a typewheel comprising a sleeve movably and rotatably mounted about said shaft, means for rotating said typewheel, a plurality of type bars pivoted around the periphery of said sleeve, said type bars lying substantially parallel and close to the axis of said sleeve, a plurality of coiled springs having tangential ends, each of said springs cooperating with a different one of said type bars, one end of each of said springs being in engagement with that surface of said type bars which is distant from the axis of said sleeve, said springs positioned normally to urge said type bars radially toward the axis of said sleeve, means to retain the other end of each of said springs close to the axis



of said sleeve, a type face on each of said type bars and means for moving a selected type bar so that the type face thereon moves substantially at right angles to the axis of said sleeve to effect printing.

2,547,047
METHOD OF PRODUCING INSULATED MAGNET WIRE
Harry L. Saums, John H. Vail, and Howard W. Sturgis, Muskegon, Mich., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
Application May 22, 1947, Serial No. 749,804
4 Claims. (Cl. 117—66)

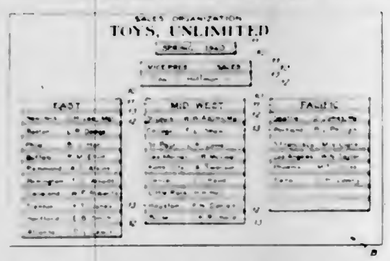


3. The continuous method of producing an electric coil which comprises passing a metallic wire through a body of gelable lacquer which is maintained at substantially atmospheric pressure and which is maintained in the liquid state by being heated to above its gelation temperature, withdrawing the wire from the body of lacquer and substantially simultaneously limiting the thickness of the lacquer film remaining on the wire to less than 0.005 inch and less than that obtainable by the natural flow rate of the lacquer by passing the wire through a restricted opening formed by two arcuate members at least one of which rotates in a direction such that its edge adjacent the wire moves in the same direction as the movement of the wire through the opening, cooling the lacquer film on the wire to below its gelation temperature promptly upon withdrawal of the wire from the restricted opening, and winding the wire into an electric coil of desired size and shape directly after gelation of the lacquer coating and as the final step in a conjoint wire-coating and coil-winding operation.

2,547,048
PROCESS FOR MANUFACTURE OF PYRIDYL-3-CARBINOL
Reinhard Schläpfer, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 23, 1947, Serial No. 743,461. In Switzerland June 4, 1946
8 Claims. (Cl. 260—297)

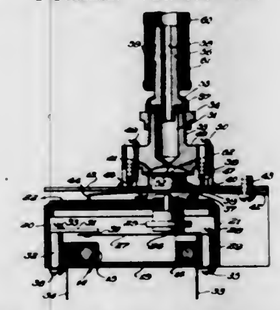
1. A process which comprises reacting 3-aminomethyl-pyridine with an alkali nitrite and a water-soluble aliphatic carboxylic acid in water to produce pyridyl-3-carbinol.

2,547,049
CHART DEVICE AND TAB HOLDER THEREFOR
Albert E. Seep, Denver, Colo.
Application April 8, 1944, Serial No. 530,125
10 Claims. (Cl. 40—64)



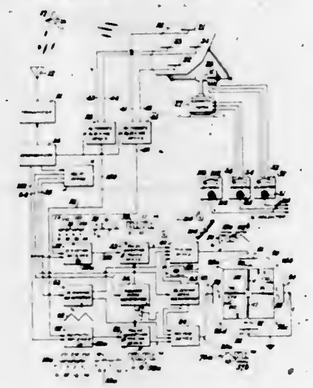
1. For a chart device, a tab holder comprising a flat body portion having upper and lower flanges terminating in tab-retaining borders substantially parallel to said flat surface and the inner surfaces of the intermediate portion of the flanges providing convex surfaces for engagement with the upper and lower edges of an indicating tab.

2,547,050
AUTOMATIC PRESSURE SWITCH
Oliver H. Simmons, Chicago, Ill., assignor to Roy D. Buell
Application March 15, 1949, Serial No. 81,579
4 Claims. (Cl. 200—83)



1. A pressure actuated switch comprising a switch unit, a casing enclosing said switch unit, an actuator for said switch projecting from said casing, a channel strip removably securing said casing at one end of said strip and defining an adjusting space at the other end thereof beyond said casing, said channel having an aperture overlying said actuator; a nipple support mounted on said channel, and surrounding said aperture, a nipple connected to a source of varying fluid pressure removably mounted on said support; a pressure responsive member held between said nipple and said support, a spring adapted to contact said actuator upon a predetermined increase of fluid pressure disposed between said member and said actuator, one end of said spring being attached to said channel strip at a point in communication with said adjusting space; and an adjusting member holding said spring to said channel strip for adjusting the spring tension such that a predetermined minimum fluid pressure will actuate said switch.

2,547,051
RADIO DETECTION SYSTEM FOR FINDING RANGE AND DIRECTION
Archibald D. Smith, Jr., Amityville, and Horace M. Guthman, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 29, 1943, Serial No. 488,976
21 Claims. (Cl. 343—11)

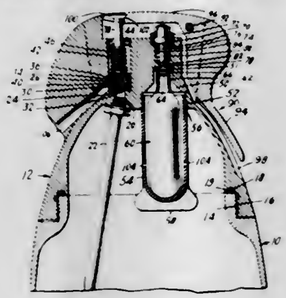


1. A method of determining the distance to an obstacle indicated on the screen of a cathode ray oscillograph by echo pulses produced by the obstacle in response to transmitted impulses, comprising transmitting impulses, detecting echo pulses produced by said obstacle, producing at least two spaced apart trace liners on the oscilloscope screen, controlling the course of the respective traces by energy of the said impulses and of said echo pulses applied synchronously with the occurrence of the respective traces and with a respective mutually opposed polarity so that oppositely extending impulse and echo pulse indications are produced on the respective trace lines, retarding certain of the beam controlling energy until the impulse indications of the two lines are in alignment thereby obtaining a zero distance indication, and varying the retardation of the beam controlling energy until the opposed echo pulse indications corresponding to the detected obstacle are in alignment, whereby the adjustment of energy retardation from the zero indication corresponds to the distance to said obstacle.

2,547,052
SIPHON BOTTLE WITH AERATION AND DISPENSING CONTROL MEANS
Carl H. Sollmann, Montclair, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application February 5, 1946, Serial No. 645,522
12 Claims. (Cl. 222—80.5)

1. A siphon comprising a fluid container having an outlet, a cartridge containing pressure me-

dium, a valve normally closing said outlet, and pivotally mounted manually engageable lever means adapted for movement in one direction about its pivot to effect opening of said cartridge



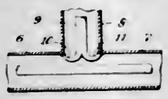
to cause the pressure medium to be discharged into said container and adapted for movement in the opposite direction about its pivot to open said valve to effect discharge of the fluid under pressure from the container.

2,547,053
METHOD OF QUENCHING
Howard E. Somes, Jr., and Otto Marquardt, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Original application August 11, 1943, Serial No. 498,184, now Patent No. 2,415,856, dated February 18, 1947. Divided and this application November 3, 1945, Serial No. 626,464
2 Claims. (Cl. 148—21.55)



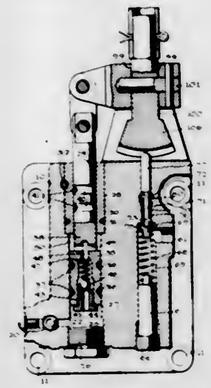
1. The method of quenching a heated surface which comprises the steps of: flowing a thin stream of quenching fluid against the heated surface at an acute angle relative to the surface, flowing all the quench fluid along the surface for an appreciable distance, scraping off that part of the fluid remote from the surface and redirecting such part of the fluid again toward and against said surface.

2,547,054
COAXIAL LINE COUPLING
Louis D. Smullin, Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 17, 1947, Serial No. 774,506
6 Claims. (Cl. 178—44)



1. A coaxial line junction between a first coaxial line and an intermediate point on a second coaxial line each having outer and inner conductors comprising, a direct conductive connection between the outer conductors of said first and said second line, two opposed field couplings mounted between the inner conductor of said first coaxial line and said outer conductors a coaxial line junction between a fourth coaxial line and an intermediate point on said first coaxial line, said fourth coaxial line having outer and inner conductors, a direct conductive connection between the inner conductor of said fourth line and the inner conductors of said first line, and a direct conductive connection between the outer conductors of said fourth and said first lines.

2,547,055
MANUALLY OPERATED RECIPROCATING PUMP
William T. Stephens, Painesville, Ohio, assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1945, Serial No. 594,657
11 Claims. (Cl. 103—41)

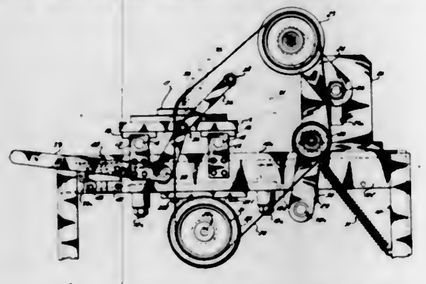


1. In a hand pump of the type described, in combination, a housing having a vertical wall for engagement with a well of a liquid reservoir, a pump chamber parallel to said wall, a double acting plunger in said chamber, a valve in said plunger, an offset inlet valve adjacent the lower end of said chamber, an offset discharge valve adjacent the upper part of said chamber, a passage from each valve through the said wall, a sealing ring inset in said wall and surrounding the port of each passage and a discharge port connected to the discharge valve passage and positioned independent of said wall.

2,547,056
POLISHING MACHINE FOR IMPELLER WHEELS
Henry C. Stieglitz, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 18, 1948, Serial No. 15,536
11 Claims. (Cl. 51—135)

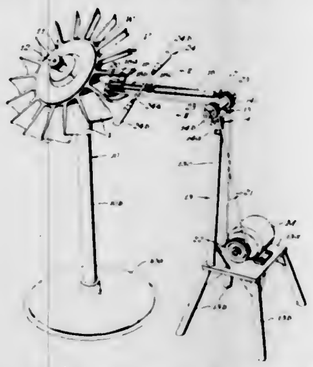
11. A machine for polishing a workpiece having a central portion and spaced vanes radiating outwardly from the central portion, a carriage mounting the workpiece for rotation about its axis independently of movement of said carriage, an endless abrasive belt, a plurality of pulleys supporting said belt in extended relation,

power means for driving one of said pulleys, said carriage and said belt being relatively movable between remote positions and fixed polishing positions wherein said belt contacts one of the vanes of the workpiece, and a belt shifting mechanism



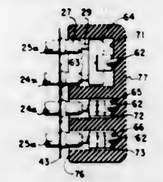
selectively engageable with said belt to shift the belt out of engagement with the workpiece prior to movement of said carriage to permit unimpeded relative movement between said belt and said vane.

2,547,057
POLISHING MACHINE FOR IMPELLER WHEELS
Henry C. Stieglitz, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 6, 1948, Serial No. 19,403
7 Claims. (Cl. 51—170)



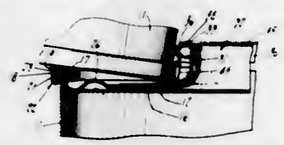
1. Apparatus for polishing a complex surface of a workpiece comprising a fixture for rigidly supporting a workpiece, a frame structure adjacent said fixture, a wheel bracket, a polishing wheel journaled on one end of said wheel bracket, said wheel having a rounded abrasive surface thereon, an elongated support element telescopingly receiving the other end of said wheel bracket, whereby said wheel bracket may be freely rotatably and linearly shifted with respect to said support element, means for securing said support element to said frame for universal swiveling movements with respect to said frame, whereby said polishing wheel may be shifted to follow the contour of the complex surface of the workpiece, means for rotating said polishing wheel independently of the position of said wheel bracket, and means for manually manipulating said wheel bracket relative to the workpiece, whereby the abrasive surface of said wheel may be engaged with all portions of the complex surface of the workpiece.

2,547,058
ELECTRIC TERMINAL STRUCTURE
Robert J. Sutton, Chicago, Ill., assignor to Hotpoint Inc., a corporation of New York
Application April 14, 1949, Serial No. 87,516
9 Claims. (Cl. 173—328)



1. Electric terminal structure comprising a first set of rigid end terminals, a plurality of insulated flexible electric wires provided with a second set of end terminals, a set of resilient clips rigidly secured to one of said sets of end terminals and clamping the other of said sets of end terminals, a one-piece hollow insulating quick-attachable terminal block supported by said first set of end terminals and enclosing both of said sets of end terminals and said set of clips, and means including two opposed sets of clamping surfaces provided within said terminal block and frictionally engaging the opposite sides of said set of clips for securely holding said terminal block in place and for restraining said set of clips in clamped engagement with said other set of end terminals in order to establish good electrical connections therebetween.

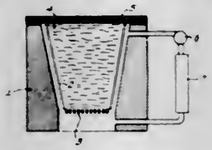
2,547,059
CONTAINER
William E. Taylor, Riverside, Conn., and Hans W. Schmidt, Union, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 22, 1946, Serial No. 656,346
1 Claim. (Cl. 220—1)



A substantially flat top sheet metal container having a short filling and pouring nozzle, comprising a tubular body, top and bottom end members secured to said body in projecting double seams of predetermined height, said top member having a countersunk panel wall extending inwardly from the adjacent top end seam a distance sufficient to provide an unrestricted space for the projecting seam of another like container when the latter is used as a prying instrument, a short nozzle projecting upwardly from said panel wall and terminating in a closure seat and a crown cap closure closely fitting on and secured to said closure seat, said cap closure having a depending skirt engaging under said closure seat and with its free edge turned outwardly, said free edge of said skirt being spaced above said panel wall a predetermined distance slightly greater than said seam height and lying substantially in the plane of the top edge of the can top end seam to provide entrance for and a purchase contact with the projecting seam of an opening container of like construction when the seam of the opening container is inserted in the space

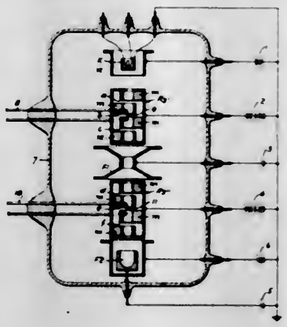
beneath the bottom edge of said closure skirt, the opening container being fulcrumed on the top seam of the like container being opened and functioning as a prying lever to remove the cap closure from said nozzle.

2,547,060
PROCESS FOR THE TREATMENT OF RABBIT'S HAIR
Henry Christian Emil Tillisch, Copenhagen, Denmark, assignor to I/S Anitil, Copenhagen, Denmark, a partnership of Denmark
Application February 3, 1947, Serial No. 726,084
In Denmark October 3, 1945
6 Claims. (Cl. 8—127.6)



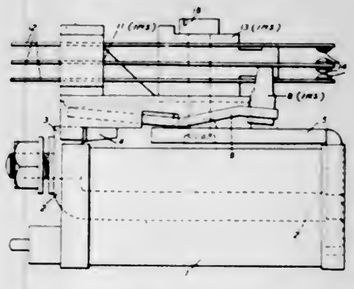
1. In a process of preparing spun yarn containing rabbit hair, the step of reducing the tendency of the rabbit hair to become electric by friction by treating such rabbit hair, at a temperature between room temperature and 100° C., with a fluid rich in a volatile aldehydic substance of the class consisting of lower aldehydes and lower aldehyde-acids, at a pH between 1 and 7, to produce a reaction of such treating fluid with the surface portion of the rabbit hairs.

2,547,061
MULTIPLE GAP VELOCITY MODULATION TUBE
Emile Touraton, René Zwobada, and Anne-Marie Gratzmuller, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1947, Serial No. 772,623
In France December 17, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 17, 1965
6 Claims. (Cl. 315—6)



1. A velocity modulation electron discharge device comprising a source of an electron beam and a collector electrode defining a beam path, a cavity resonator disposed about said beam path adjacent said source for velocity modulating electrons in the beam, said modulating resonator including a wave guide of rectangular section and masses of parallelepiped shape located along the beam path inside said guide and supported alternately on opposite sides of said guide, said masses being provided with apertures for passage of the beam therethrough, said masses defining therebetween a plurality of gaps along the beam path for permitting an electromagnetic field developed in said resonator to velocity modulate the electrons in the beam successively at each said gap, and a cavity resonator disposed about said beam path adjacent said collector electrode for extracting ultra high frequency energy from the velocity-modulated electron beam, said extracting resonator being provided with a gap for permitting the electron beam to supply energy to an electromagnetic field developed in said extracting resonator.

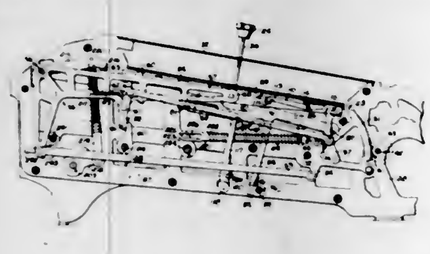
2,547,062
ELECTROMAGNETIC RELAY
Stanley Herbert Towner and Percy Arthur Childs, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 30, 1945, Serial No. 596,680
In Great Britain April 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 28, 1964
3 Claims. (Cl. 200—104)



1. An electromagnetic relay comprising a winding, a core extending through said winding and having front and rear upturned portions, a forward extension on said rear upturned portion, an armature having a front end overlying said front upturned portion, said armature being pivoted at an intermediate point on said forward extension, a fixed support overlying said armature and having integral projections thereon for positioning said armature thereto, spring mounting means on said support, a plurality of contact springs carried by said mounting means, and operating means on the rear end of said armature engaging at least one of said contact springs in such manner that said contact spring tends to pivot said armature so as to lift said front end off said front upturned portion, energization of said winding acting to pivot said armature in the opposite direction.

2,547,063
KEY-DRIVEN CALCULATING MACHINE
Joseph A. V. Turck, Wilmette, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1946, Serial No. 696,517
42 Claims. (Cl. 235—82)

1. In a key-driven calculator having denominational orders of register wheels, manually depressible keys and key-actuated levers for operating said register wheels, automatic carrying mechanism for carrying the tens from a lower to a higher wheel, the adding movement taking place on the up-stroke of the levers and keys; means operative for locking said register wheels to delay the return of the said levers from a down stroke and thereby delaying the adding action of any of said denominational orders; means operable manually for collectively depressing the levers of such remaining orders, as have not been key-depressed, to a degree that will cause all such orders except the units order when released or allowed to rise to add nine in their respective orders, and in the units order far enough to add ten, if the lever in that order has not been key-depressed, and means for interrupting the action of said manually operable means and said locking means so that the denominational orders of levers may be free to rise and turn their associated register wheels in an adding action.

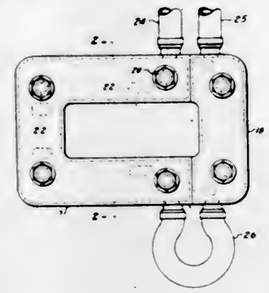


5. In a key-driven calculator, denominational orders of adding mechanism, actuating mechanism for each order including a set of digit keys marked from 1 to 9 and a lever arranged for actuation by each of the keys of each order and having a plurality of fulcrums, said fulcrums being pre-settable to condition said actuating mechanism for adding the amount of the key marking of the keys depressed as in addition, or for adding the complement of the key markings when set for subtraction or division, and indicative manipulative means for pre-setting said fulcrums for adding, subtracting or dividing.

2,547,064
SEPARATION OF METHYL AMINES
William Tyerman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 25, 1947, Serial No. 788,081. In Great Britain November 29, 1946
4 Claims. (Cl. 202—39.5)

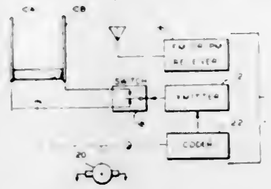
1. A process for the separation of monomethylamine from its admixtures from other methylamines, which comprises selectively absorbing at least one of the other methylamines together with at least some monomethylamine by a liquid as hereinafter defined, removing substantially pure monomethylamine as a vapor at a temperature within the range of 8° to 40° C., said liquid being an organic cyclic hydrocarbon derivative having a boiling point at the operating pressure at least 50° C. higher than the boiling point of monomethylamine, characterized by the feature that the ratio of the solubility of monomethylamine to that of the next least soluble methylamine therein, is not more than 0.4, said liquid being selected from the group consisting of tetrahydronaphthalene, cymene, pinene, cedrene, o-dichlorobenzene, alpha-chlornaphthalene and decahydronaphthalene.

2,547,065
FLUID COOLED CORE FOR ELECTROMAGNETIC APPARATUS
James B. Wadhams, Warrensville Heights, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio
Application October 30, 1947, Serial No. 783,086
3 Claims. (Cl. 175—356)



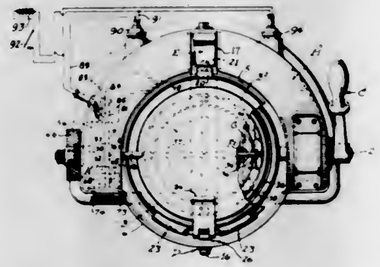
1. A core for electromagnetic apparatus comprised of a plurality of stacked magnetically-permeable laminations each having a base section defined by a first edge and a second edge and three parallel leg sections extending from the first edge in spaced, parallel relationship and having ends remote from said first edge, a cooling lamination identically shaped to said magnetic laminations and interposed therebetween and having corresponding edges, said cooling lamination being comprised of a pair of spaced side members interconnected at their edges by an edge member and together defining a hollow interior, means for circulating cooling fluid through said cooling lamination, and a partition member extending in the hollow interior, from the second edge intermediate the edges of said center leg substantially to but spaced from the end of said center leg section whereby cooling fluid circulated through said cooling lamination must traverse substantially the entire length of said center leg.

2,547,066
BEACON GUIDE
Herbert M. Wagner, Asbury Park, N. J.
Application October 16, 1945, Serial No. 622,645
14 Claims. (Cl. 343—106)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a phase-modulation receiver, a beacon transmitter system comprising means for generating a fixed-frequency wave, and non-directional means for alternately radiating said wave without change in phase from only one of a plurality of physically-displaced points to provide a phase-modulated wave in said receiver.

2,547,067
AUTOMATIC COFFEE BREWER
Clifford M. Waline, Oakland, Calif.
Application April 16, 1946, Serial No. 662,533
3 Claims. (Cl. 99—283)



1. An automatic coffee brewer comprising a housing; a receptacle; trunnions rotatably supporting the receptacle in the housing; said receptacle having a lower portion and a cover; a coffee bag supporting grill carried near the top of the lower portion; a second coffee bag supporting grill carried by the cover; a disc-shaped coffee holding bag; said grills clamping the coffee bag therebetween when the cover is in place on the receptacle; means for clamping the cover to the lower receptacle portion; one of said trunnions being hollow for directing hot water into the lower receptacle portion: said housing having a water heating compartment; connections between the hollow trunnion and the water heating compartment and including a valve for placing the water heating compartment in communication with the receptacle when the valve is actuated by the rotation of the receptacle into an inverted position, whereby the steam pressure in the compartment will force hot water through the connections, valve and hollow trunnion, into the receptacle; a handle connected to the other trunnion for swinging the receptacle into an inverted position; yielding means for rotating the receptacle from inverted position back into an upright position; timing means operatively connected to the receptacle and set into operation by the rotating of the receptacle; said timing means including means for holding the receptacle in an inverted position for a predetermined time interval for permitting the hot water to drip through the coffee bag; said timing means after a predetermined interval of time freeing the receptacle holding means and permitting the receptacle returning means to rotate the receptacle to an upright position where the liquid in the cover will again pass through the bag; and a dispensing faucet valve for the receptacle.

2,547,068
INDEX STRIP AND METHOD OF MAKING THE SAME
Elwood J. Way, Washington, D. C.
Application March 28, 1949, Serial No. 83,961
18 Claims. (Cl. 154—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An index strip comprising a top lamina of cellulose acetate, a second lamina of paper, a third lamina of cellulose acetate, a fourth lamina of wood veneer and a bottom lamina of cellulose acetate, said five lamina being integrally bonded together.

11. A method of making index strips comprising the steps of placing indica in rows on a paper sheet, placing said paper sheet between a relatively stiff supporting sheet and a relatively flexible, transparent covering sheet with the indicia on said paper sheet viewable through said transparent cover sheet, bonding said supporting

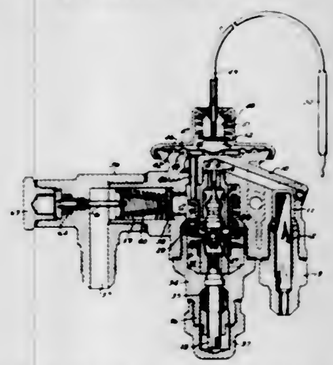


sheet, paper sheet and covering sheet into one integral composite sheet, making slits between said rows of indicia, extending through said composite sheet from top to bottom and across from near one edge to the other edge.

2,547,069
QUICK-SETTING INKS AND METHOD OF MAKING
Richard H. Wharton, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
No Drawing. Application September 10, 1947, Serial No. 773,319
15 Claims. (Cl. 260—15)

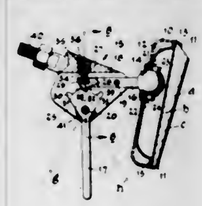
2. A printing ink comprising a coloring matter dispersed in a liquid containing a partial condensation product of furfural with 2.4 diamino toluene, an organic water-insoluble non-volatile liquid diluent the amount of furfural being the largest component based upon weight and a lesser amount of an ether of cellulose, which ink will set within substantially 5 seconds in an atmosphere of gaseous sulfur dioxide when applied by conventional methods of printing.

2,547,070
THERMOSTATIC EXPANSION VALVE
Clarence L. Aughey and Lourdes V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application March 26, 1947, Serial No. 737,352
10 Claims. (Cl. 62—127)



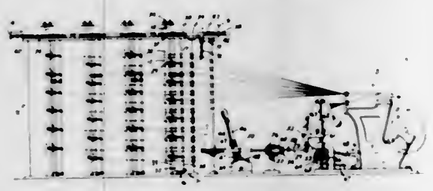
1. In a valve controlling expansion of a liquid refrigerant under pressure in a refrigerating system of the compression type, a casing receiving the refrigerant and defining a first chamber in series with a second chamber, a first and a second valve, the first and second valves serially controlling expansion of refrigerant into the first and the second chamber and dividing expansion of the refrigerant into a plurality of steps, means responsive to the temperature of the space to be refrigerated and controlling opening of the first valve, and means responsive to pressure in the first chamber and controlling opening of the second valve, the second valve having an aperture therethrough for equalizing pressure in the chambers upon closing of the first valve.

2,547,071
MOUNTING FOR REARVIEW MIRRORS
Dwight W. Barkley, Cheswick, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1948, Serial No. 52,094
15 Claims. (Cl. 248—205)



1. In a mounting for a rear view mirror for automobiles, a body member having means for attachment to the automobile, a substantially horizontal supporting arm having means for attachment to the mirror, means for pivotally mounting said arm to said body member, an operating element also pivoted to said body member and including a cam portion at its upper end engaging said arm and a depending handle portion for swinging said operating element about its pivot to cause the cam portion to rock said arm about its pivot to tilt the mirror upwardly or downwardly.

2,547,072
CREEL
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 16, 1946, Serial No. 683,909
14 Claims. (Cl. 28—35)



8. In combination, a creel comprising a frame, a plurality of rows of yarn guides spaced at intervals along one side of the frame from the front to the rear end thereof, a plurality of rows of carriers for yarn packages spaced from the guides and spaced at intervals along one side of the frame corresponding to the spacing of the rows of yarn guides, tension means spaced laterally from the guides in a direction away from the carriers, means for simultaneously adjusting the tension means, means for drawing the yarns as a warp sheet from the creel, and automatic means for varying the tension in response to speed variations in said drawing means.

2,547,073
SKI RECLINING SEAT
Anton Bueler, Schwyz, Switzerland
Application May 11, 1948, Serial No. 26,336
In Switzerland December 29, 1947
3 Claims. (Cl. 155—1)



1. In a seat, designed to be borne between two spaced skis supported each inclined and with its point up by a ski pole, in combination, a bar disposed between said skis and having near its end means for abutting against the inner edge of each ski and having means for sliding over a ski surface adjacent the edge, suspension means connected to said bar and to said points of the skis for restraining downward sliding of said bar, strap means connecting each end of said bar with the diagonally opposite ski pole for stabilizing the positioning of said bar relative to the ski and pole supports, a flexible seat portion extending downwardly from said bar, and a second bar connected to the lower end of said seat portion and slidably supported on said ski surfaces.

2,547,074
AUDIENCE REACTION RECORDER
Bernard D. Cirlin, South Gate, Calif.
Application October 31, 1947, Serial No. 783,347
2 Claims. (Cl. 346—74)

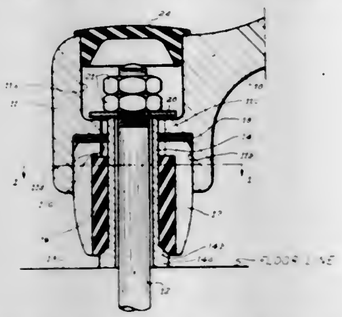


1. An audience reaction recorder comprising a source of electric power, a pair of switches for manual operation connected in parallel with said source to provide separate circuits one of which includes an automatic periodic interrupter, means for moving a recording strip continuously, a conducting metal plate over which said strip passes, a stylus for marking on said strip when energized, and means connecting said stylus and said plate in series with said source of power and each of said switches.

2,547,075
SANITARY FOOT MOUNT FOR CENTRIFUGES AND THE LIKE
James Edward Cook, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application March 17, 1948, Serial No. 15,343
11 Claims. (Cl. 248—24)

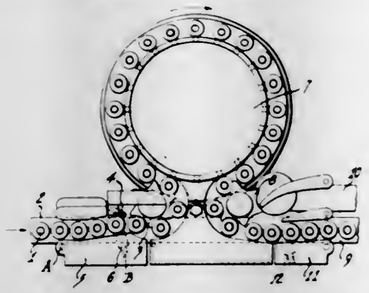
1. A sanitary foot mount for at least partly supporting a centrifuge, or the like, upon an underlying structure, which comprises a supporting sleeve adapted to seat at its lower end upon said structure, the sleeve having an upwardly

facing, external shoulder, a rubber-like ring closely surrounding the sleeve and engaging said shoulder, a sheathing collar closely surrounding the rubber-like ring and spaced from the sleeve by the ring, the sheathing collar having an in-



ternal shoulder engaging the top of said ring, and a foot on the centrifuge having a generally vertical opening closely receiving the upper portion of said collar, the foot having a part overlying the top of said collar to support the foot thereon.

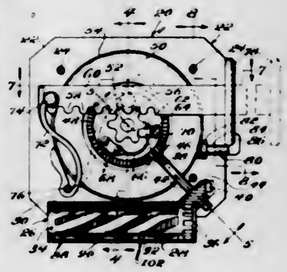
2,547,076
SAFETY LATCH AND SWITCH
William R. Du Bois, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1946, Serial No. 643,433
11 Claims. (Cl. 198—232)



1. In a package handling apparatus of the class described, an infeed starwheel adapted to receive packages from an infeed conveyor, a curved guide arranged concentrically with said starwheel, said guide having a pivotally mounted portion adapted to swing outward when packages become jammed between said starwheel and guide, means for holding said pivotally mounted guide portion in normal operating position until a predetermined pressure on said pivotally mounted guide portion has been exceeded and means for assisting said outward movement of said pivotally mounted guide portion in response to a pressure exceeding said predetermined pressure being exerted on said holding means.

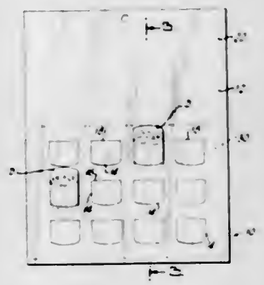
2,547,077
WATCH POCKET SHAVER
Francis T. Evans, Fairfax, Va.
Application August 29, 1945, Serial No. 613,288
1 Claim. (Cl. 30—43)

A device of the character described, comprising a sectional vest pocket size body, which is substantially square in cross section, a circular spiral rotary cutter head mounted at one side of said body, a toothed gear on one end of said cutter head, a shaft journalled centrally of said body, a flywheel keyed to said shaft for rotation within said body, a ring gear on said flywheel, a power supply shaft mounted in said body at an angle to said first shaft, a gear on one end of said power supply shaft meshing with the ring gear on said flywheel, a bevelled gear on the other end of said power supply shaft engaging the toothed gear on the end of said rotary cutter whereby said



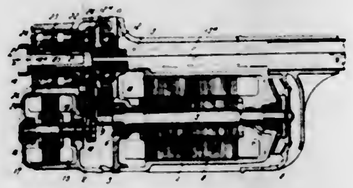
rotary cutter is actuated, a power ratchet gear loosely mounted on said first mentioned shaft within the ring gear of said flywheel, a spring pressed dog on said flywheel for locking said ratchet gear to said flywheel, a power thrust bar adapted to engage said ratchet gear for the manual rotation thereof, a spring means connected to said housing and the inner end of said bar to urge said bar outwardly of said housing into operative position and means on said body for retaining said thrust bar within said body against action of said spring in inoperative position.

2,547,078
POCKETED DISPLAY CARD
Harold Garfield, Forest Hills, N. Y.
Application January 14, 1950, Serial No. 138,556
2 Claims. (Cl. 206—80)



1. A display card comprising a flat sheet of self-supporting material having a plurality of spaced-apart wing members thereon foldable rearwardly thereof defining openings therethrough, and a normally flat-lying member of non-tacky stretchable creped paper secured to the rear of the sheet behind but not to the wing members, said last named member defining a non-tacky, stretchable pocket behind each wing whereby articles to be displayed may be repeatedly placed within the pockets and easily removed therefrom.

2,547,079
TRANSMISSION FOR DRILLING MACHINES
Jean Gérentès, Saint-Etienne, France, assignor to Constructions Electro-Mecaniques de Saint-Etienne, Saint-Etienne, France, a French company
Application April 17, 1948, Serial No. 21,649
In France May 5, 1947
7 Claims. (Cl. 74—424.8)



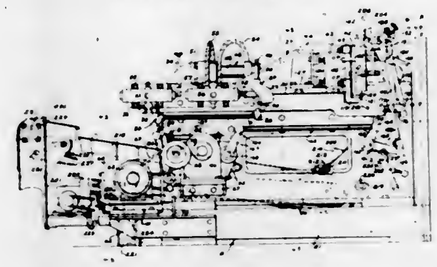
1. In an electric drilling machine a casing, a screw-threaded shaft projecting at least by one of its ends from said casing in the walls of which it is mounted so as to be able to rotate around and to slide along its own axis, a tool-holder carried by said end outside said casing, a first electro-mechanical driving device located in said casing and comprising a gear member rotatably mounted in said casing and in which said shaft is slidingly keyed and an electric motor secured in said casing for imparting to said gear member a rotation and a second electro-mechanical driving device located inside said casing and comprising a nut which is rotatably mounted in said casing so as to be unable to move longitudinally and in which said shaft is screwed and an auxiliary motor having a high rotor slip for driving positively said nut, so that the feeding axial speed and the return axial speed of said shaft are direct functions of the difference between the speeds of rotation imparted by said motors respectively to said shaft and to said nut.

2,547,080
SPRING CLAMP CONNECTOR
Edward S. Hebeler, Williamsville, N. Y.
Application July 20, 1948, Serial No. 39,699
6 Claims. (Cl. 173—269)



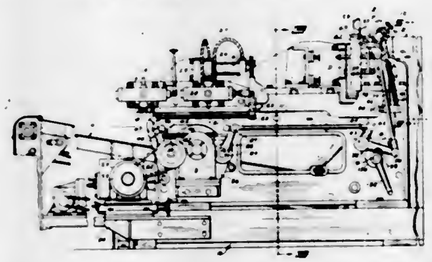
1. An electrical connection for a flexible current-carrying cable comprising a large number of small wires, including a rigid connector having a hollow cylindrical portion at one end thereof through which the cable may extend and a trough-shaped portion adjacent thereto into which a part of said cable may be laid lengthwise, an intermediate pressure-transmitting member overlying said trough-shaped part of said connector and having an end portion thereof formed to extend into said cylindrical portion and to cooperate therewith to wedge said intermediate member against said cable, and a spring acting on said intermeditae member to force the same against the portion of the cable lying in said trough-shaped part.

2,547,081
GRID PLATE CASTING MACHINE
Arthur D. Lund, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 17, 1947, Serial No. 748,679
6 Claims. (Cl. 22—92)



1. In a grid plate casting machine having a frame, a reciprocating carriage mounted on the frame and a reciprocating mold carrier mounted on the carriage for reciprocation relative to said carriage, a stationary mold fixed to the frame, a movable mold fixed to the mold carrier and movable upon reciprocation of both the carriage and the mold carrier toward and away from the stationary mold, a first fluid motor mounted on the carriage and connected to the mold carrier for reciprocating the carrier relative to the carriage and moving the movable mold toward and away from the stationary mold, and a second fluid motor mounted on the frame and connected to the carriage for reciprocating the latter relative to the frame and also moving the movable mold toward and away from the stationary mold.

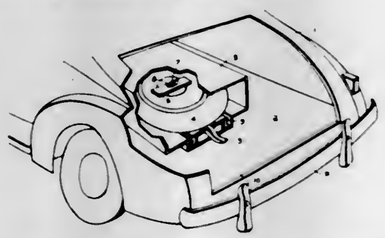
2,547,082
MOLD FILLING MECHANISM FOR GRID PLATE CASTING MACHINES
Arthur D. Lund, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Original application May 17, 1947, Serial No. 748,679. Divided and this application November 5, 1948, Serial No. 58,461
9 Claims. (Cl. 22—79)



1. In a grid plate casting machine, mechanism for filling casting molds from an adjacent molten metal container comprising a horizontal support located on the frame of the casting machine at one side of the molds and the container, arms each journaled at one end on said support, a ladle shaft journaled in bearings on the ends of the arms remote from the support, a ladle fixed to said ladle shaft, a pair of ears rotatably mounted on said ladle shaft, a single upwardly and downwardly movable actuating rod pivotally attached

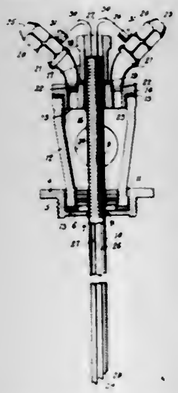
at its upper end to each of said ears at a point eccentric to said ladle shaft and operative as it moves upwardly to swing the ears, ladle shaft, ladle and arms about the axis of the journals of the arms on the support, a stop member fixed to the ladle shaft and an abutment on one of the ears eccentric to the ladle shaft, said abutment being so located that as the arms rise from the horizontal the abutment approaches the stop member, whereby when the rod has raised the ladle to a position over the mold said abutment contacts said stop member and dumps the ladle.

2,547,083
EXTENSIBLE TIRE CARRIER
Chester L. Lundgren, Bonaparte, Iowa
Application August 23, 1948, Serial No. 45,610
6 Claims. (Cl. 224—42.21)



1. An extensible auto tire carrier comprising, a slidable tire carrying member, a second member nested within said tire carrying member and slidable therein, a base member nested within said second member, said tire carrying member and said second member being slidably extensible with respect to said base member, and pivot means interconnecting said tire carrying member and said second member, said pivot means being effective to permit limited angular movement of said tire carrying member relative to said second member and said base member.

2,547,084
SPRAYING DEVICE
James E. Marcuse, New York, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y.
Application April 15, 1950, Serial No. 156,175
5 Claims. (Cl. 299—86)



1. In a spraying device, a supply tank having an opening, a closure plug threadably fitted into said opening, a tube attached to and extending through the plug and projecting into the tank, said tube having a threaded upper end, a tubular member defining an air chamber surrounding but spaced from the tube, said chamber having a lower end seated against the plug, a closure cap threaded into the upper end of the tubular member, a plurality of spray nozzles mounted on and carried by the closure cap, said closure cap having passages leading from the nozzles and passing through the closure cap to communicate with the interior of the air chamber, and each nozzle being provided with a separate siphon tube extending from it and passing down through the tube to reach the interior of the tank.

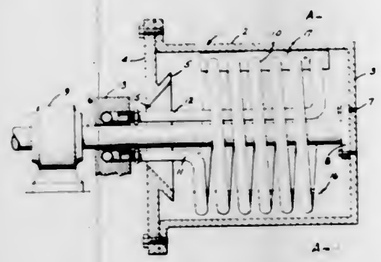
2,547,085
CONDENSER ASSEMBLY
Joseph R. Mazzola, Kearny, N. J., assignor to Automatic Manufacturing Corporation, Newark, N. J., a corporation of New Jersey
Application May 1, 1948, Serial No. 24,620
3 Claims. (Cl. 175—41)



1. A multi-unit condenser assembly of the character described including a supporting block having rows of terminal strips disposed respectively adjacent opposite sides thereof, a plurality of insulating laminae adjacent one face of said block having opposed sets of conducting film constituting a plurality of capacity units, said terminal strips having contact arms engaging films of said units, a central clamping member extending through said block and laminae, at least one of said rows including a terminal strip located in the intermediate portion of one of said first mentioned sides of said block, said last mentioned terminal strip having a contact arm offset to extend partially around said clamping member into engagement with one of said conducting films.

2,547,086
HEATING DRUM
Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 21, 1947, Serial No. 756,153
2 Claims. (Cl. 257—95)

2. A heating means comprising a rotatable drum-like member having a cylindrical wall of heat conducting material, a closed end portion, and an end portion having a central opening, means for supporting the drum-like member extending through the central opening and fixed to the closed end portion, a stationary heating means positioned in the drum-like member extending around and spaced from the cylindrical wall thereof, a flowable heat conducting media in the drum-like member covering at least a portion of the heating means, means for deflecting heat conducting media away from the central opening in the end portion of the drum-like member comprising an outwardly flared member fixed to that



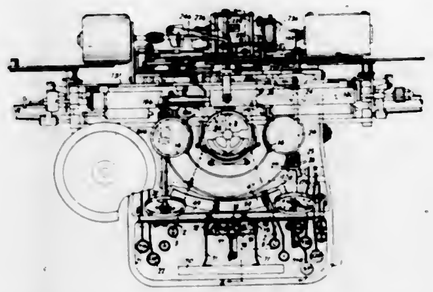
end portion of the drum-like member surrounding the central opening and extending into the drum-like member and longitudinally extending baffle means carried by the heating means and spaced from the cylindrical wall for directing heat conducting media into contact with the heating means.

2,547,087
SURFACE PLATE AND THE LIKE
Lowell H. Milligan, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 26, 1951, Serial No. 208,023
In Canada January 23, 1947
6 Claims. (Cl. 33—174)

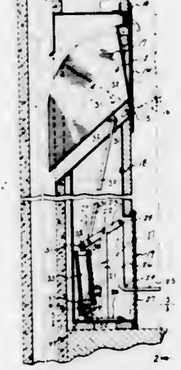
1. A surface plate consisting of particles of abrasive material selected from the group consisting of aluminum oxide and silicon carbide bonded together into an integral body by a vitrified bond, said particles of abrasive material being unsintered in situ and said vitrified bond being ceramic material present in amount of from over 20 up to about 60 weight percent of the product, the vitrified bond enveloping and adhering to the particles of abrasive material, said surface plate presenting a plane gauging surface of both abrasive and bond, said surface consisting of many plane elevations of equal altitude and having pores which are depressions, said elevations having reflective surfaces, said vitrified bond comprising mainly a combination of oxides and having been vitrified by firing.

2,547,088
TYPEWRITER CARRIAGE POSITION INDICATOR
Charles W. Norton, West Orange, N. J., assignor to Ralph C. Coxhead Corporation, Newark, N. J., a corporation of Delaware
Original application November 19, 1945, Serial No. 629,350, now Patent No. 2,465,657, dated March 29, 1949. Divided and this application February 17, 1949, Serial No. 76,895
6 Claims. (Cl. 197—188)

5. In a typewriter adapted for typing an unjustified line of type in a first column and a justified line of type in a second column and having a movable paper carriage, a carriage-spacing mechanism for differentially spacing within the same font of type, carriage stops for determining the left margins of the typed lines, and a carriage position indicating mechanism; the improvement which comprises: the carriage position indicating mechanism comprising an indicating element driven along a fixed path responsive to carriage movement and two cooperating index points mounted on the path of the indicating element for indicating the carriage positions for commencing the unjustified and justified lines of type, said indicating element and one of said index points being adjustable along the fixed path of the indicating element.



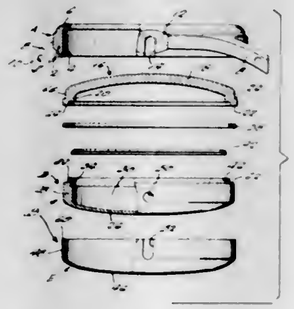
2,547,089
FOOT PEDAL OPERATED HOPPER DOOR
Richard E. Oberst, Milwaukee, Wis.
Application December 11, 1948, Serial No. 64,836
1 Claim. (Cl. 268—76)



A spring closer and check for an incinerator hopper door comprising a base plate, a cylinder, means pivotally connecting the lower end of the cylinder to the base plate, a piston slidably mounted in the cylinder, a piston rod connected to the piston and extending outwardly through the upper end of the cylinder, said piston rod being adapted to be connected to the hopper door, spring means engaging said piston normally tending to lower the piston in said cylinder, said cylinder having an inlet port in its lower end, a bracket secured to the lower end of the cylinder extending under the port having a valve seat communicating with the port, a ball valve for

said seat functioning to control the flow of air from said cylinder below the piston, a leaf spring secured to said bracket having an arm disposed under the seat and inlet port supporting said ball valve, and adjustable means for raising and lowering the arm of the leaf spring.

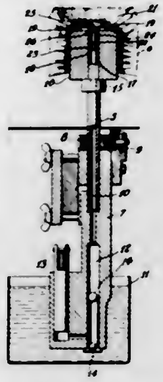
2,547,090
WATERPROOF WATCHCASE
Henry James O'Neill, Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application September 10, 1949, Serial No. 115,083
1 Claim. (Cl. 58—90)



A waterproof watch case comprising an external ring adapted to support the remainder of the watch, a bezel formed integral with said ring at one end thereof, a one-piece box adapted to support the watch movement, said box being freely passable into said ring from the other end thereof, a crystal retained between said bezel and said ring, said back having an internal ascending flange and said crystal having a depending flange fitting between and smoothly engaging the sides of said ascending flange and said ring respectively, and a back of sheet material surrounding the bottom and sides only of said box and receivable between said box and the inner surface of said ring, the thickness of said back being such, in relation to the external dimensions of said box and the internal dimensions of said ring, as to be sealingly pressed therebetween, the upper edge of said back being substantially even with the upper edge of said box, and a sealing washer compressed in the space between said box, back, ascending box flange, crystal and ring and engaging the upper edges of both said box and said back.

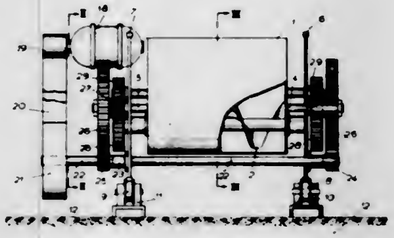
2,547,091
BRUSH AND SPINDLE CONSTRUCTION FOR PAN GREASING MACHINES
Alrid B. Peffer, Philadelphia, Pa., assignor to Imperial Machine Company, Philadelphia, Pa., a partnership composed of Alrid Bertrand Peffer and Emil Schwartz
Application July 20, 1949, Serial No. 105,730
6 Claims. (Cl. 91—39)

1. A brush and spindle construction for pan greasing machines, comprising a spindle having a longitudinal grease passage, a brush block supported on the upper end of the spindle and having an axial opening into which the end of the spindle projects, and a pan abutment piece supported on the spindle, said abutment piece having a longitudinal grease passage in alinement with the longitudinal passage in the spindle



and a transverse grease passage for delivering grease from the longitudinal passage to the brush.

2,547,092
MIXING APPARATUS
Emile Edouard Pouré, Montreuil-sous-Bois, France, assignor of one-half to Camille Le Gall, Montreuil-sous-Bois, France
Application December 11, 1948, Serial No. 64,865
In France December 13, 1947
6 Claims. (Cl. 259—41)



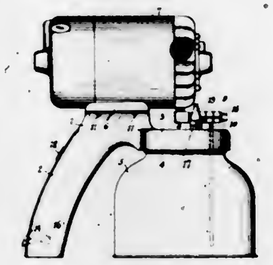
1. A mixer comprising in combination a base, rollers supported on the base, a pair of spaced coaxial vertical flanged discs resting on said rollers, a horizontal container open at its top and rigidly disposed wholly between said discs, revolving mixer means mounted in the bottom of said container parallel to said axis and journalled in said flanged discs, a longitudinal driving shaft journalled in said flanged discs, gearing means rotatably supported by said flanged discs and comprising a driving connection between said shaft and said revolving mixing means, driving means for said shaft, and driving means for turning said flanged discs to overturn the container.

2,547,093
GAS TURBINE SYSTEM
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 20, 1944, Serial No. 564,311
11 Claims. (Cl. 60—41)

1. In a method of developing power by expanding products of combustion incident to conversion of thermal energy into mechanical energy including the continuously performed steps of releasing a portion of the expanded products of combustion, cooling and then recompressing the remaining products of combustion, heating the recompressed products of combustion by combining same with newly formed, highly heated products of combustion obtained by burning fuel in a compressed, combustion supporting elastic fluid before or after such fluid is partially or wholly mixed with the recompressed products of combustion, and expanding the resulting mixture; the improvement comprising the steps of directly varying only the quantity of compressed, combustion supporting elastic fluid and thereby the mass flow of the mixture of recompressed and newly formed products of combustion in accordance with power requirements, and substantially simultaneously varying fuel input so as to maintain the temperature of such mixture prior to the expansion thereof approximately constant throughout the normal range of power development.

10. An elastic fluid turbine power system comprising a main elastic fluid compressing means, a high pressure turbine or turbine section, at least two low pressure turbines or turbine sections including at least one turbine or turbine section which exhausts to atmosphere, means connecting the exhaust of at least another one of said low pressure turbines or turbine sections with the inlet of said main compressing means, means including a primary combustion chamber connecting the discharge of said main compressing means with the inlet of said high pressure turbine or turbine section, means including a reheat combustion chamber connecting the exhaust of said high pressure turbine or turbine section with at least said one of said low pressure turbines or turbine sections exhausting to atmosphere, said combustion chambers each including a burner portion adapted to produce newly formed products of combustion and a mixing portion in which newly formed products of combustion are combined with the motive fluid delivered thereto, an auxiliary compressing means having an inlet connected with a source of combustion supporting elastic fluid, and means connecting relatively high and low pressure discharge portions of said auxiliary compressing means with the burner portions of said primary and reheat combustion chambers, respectively.

2,547,094
ELECTRIC HAND SPRAYER
Hyman Richard Rich, New York, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y.
Application April 26, 1949, Serial No. 89,761
1 Claim. (Cl. 299—88)



A sprayer having a handle, said handle being formed with a forwardly-extended disk-shaped head, said head fitting over and constituting a top closure for a liquid container held below it, the lower end of the liquid container and the bottom of the handle being on the same horizontal line whereby the sprayer will rest upon the bottom of the container and the end of the handle when the sprayer is placed on a flat surface, the handle being provided at the top with a cradle elevated above the disk-shaped head, an electrically-operated compressor supported on the cradle with its axis horizontal and having a forward end extended over the top of the disk-shaped head, the compressor having an air outlet, an air nozzle secured on and projecting from the air outlet and extending horizontally and located over the head and having its forward end located inwardly of the edge of the disk-shaped head, and a suction tube extending downwardly from the air nozzle and passing through the head and entering into the liquid container.

2,547,095
JET PROPULSION ENGINE FOR MODEL AIRPLANES
Jack B. Robins, Colorado Springs, Colo.
Application December 12, 1947, Serial No. 791,247
3 Claims. (Cl. 60—35.6)



3. A unit for converting an internal combustion type reciprocating engine into a reaction engine of the jet type, comprising, a substantially pear-shaped engine housing open at its larger end, a partition extending across the interior of the housing dividing it into an engine compartment and a fuel compartment, an elongated tubular member having its front end attached to the rear end of the engine housing forming a combustion

chamber and its rear end forming a reaction nozzle, a housing of approximately the same shape as the engine housing enclosing the latter in spaced relation, means comprising a plurality of struts interconnecting the two housings to hold them in predetermined spaced relation, the rear end of the outer housing tapering to an inside diameter substantially the same as the outside diameter of the combustion chamber, and attached to the latter at a point substantially midway between its ends, that portion of the combustion chamber wall between the engine housing and its attachment to the outer housing being foraminated, and a spark plug in operative position in the combustion chamber.

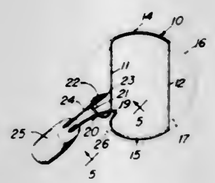
2,547,096

PAINT CAN HOLDER AND BRUSH WIPER

Allan G. Sawyer, Brooklyn, and Joseph W. Burgess, City Island, N. Y.; said Burgess assignor to said Sawyer

Application May 21, 1949, Serial No. 94,686

2 Claims. (Cl. 220—90)



1. A combined holder and brush wiper for supporting engagement with cans for paint and the like of the type having a circular top opening surrounded by an inwardly extending flange, comprising: an oblong wire loop lying in a plane and formed from a continuous length of wire, the opposed shorter sides of said loop lying substantially on the circumference of a circle and the longer opposed sides being straight and displaced inwardly a substantial distance from said circumference, the ends of the wire forming said loop, adjacent one corner thereof, being bent inwardly, upwardly and outwardly, and a handle attached to said ends and extending downwardly at an angle to the plane of the loop, said loop being adapted for insertion through the opening in said can and for engagement with the underside of said flange whereby the can is supported on the opposite shorter ends of said loop.

2,547,097

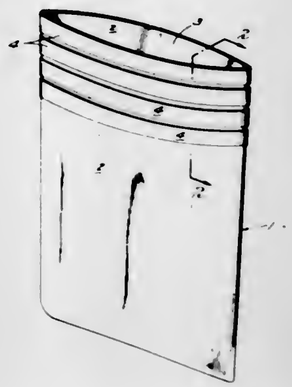
THERMOPLASTIC BAG CONSTRUCTION

Gilmore T. Schjeldahl and Donovan D. Wendt, Minneapolis, Minn., assignors to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Minnesota

Application November 7, 1949, Serial No. 126,022

1 Claim. (Cl. 229—62)

In a bag formed from flexible thermoplastic sheeting capable of being sealed under the application of heat and pressure, a plurality of endless bands formed from non-thermoplastic material and extending around the outer surface of said bag transversely thereof, one of said bands being adjacent the mouth of said bag, the others



thereof being in spaced relation thereto and to each other.

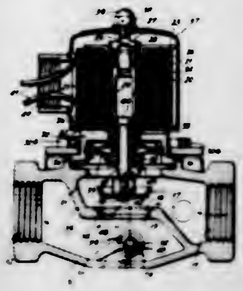
2,547,098

ELECTROMAGNETIC VALVE

Carl A. Smith, Ferguson, and Joseph A. Wasser, Kirkwood, Mo., assignors to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri

Application January 9, 1948, Serial No. 1,317

5 Claims. (Cl. 137—139)



5. In a device of the class described, a valve body, a valve in said body, means biasing said valve to a closed position, a shaft journalled in the wall of said body for rotational and axial movement and extending interiorly and exteriorly thereof, said shaft being arranged substantially perpendicular with respect to the direction of movement of said valve, a handle on the exterior end of said shaft, spring means for urging said shaft rotationally in one direction, a member on the interior end of said shaft adapted to engage said valve and to move it openward as said shaft is rotated in an opposite direction, and a shoulder on said valve adapted to engage said member as it is moved to its maximum valve opening position, thereby to prevent rotational return of said member and to hold said valve in an open position, said member being movable out of engagement with said shoulder upon axial movement of said shaft.

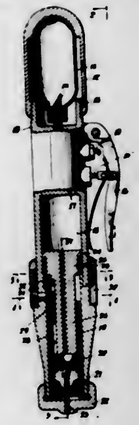
2,547,099

INJECTION DEVICE AND AMPOULE

John H. Smoot, Darien, Conn., assignor to Becton Dickinson and Company, Rutherford, N. J., a corporation of New Jersey

Application March 11, 1948, Serial No. 14,332

13 Claims. (Cl. 128—173)



1. A hypodermic injection assembly, including in combination, means providing an injection orifice for the discharge of medicament at skin-penetrating velocity, manually controlled means whereby fluid pressure may effect such discharge, further manually controlled means for passing fluid under pressure from within said assembly through said orifice to clear the same and means for normally locking said fluid passing means against operation.

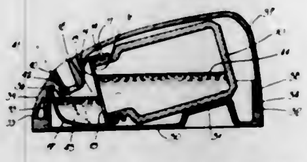
2,547,100

DIP INKWELL

Raymond Spilman, Bronxville, N. Y., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York

Application September 13, 1946, Serial No. 696,844

2 Claims. (Cl. 120—59)



1. In a device of the character described, in combination, a container for ink having a neck through which said ink may pass, a hollow removable cap for said container, a base for supporting said container and cap in an inclined position with the cap disposed below the container, said base having means for engaging the cap, said cap having a flanged wall adapted to be locked to said neck, said cap having an entrance in an upper portion thereof, said flanged wall having an orifice through which ink may pass from said container to the lower portion of said cap opposite said entrance, cooperating means on said flanged wall and said neck for invariably locating said orifice in its lowermost position relative to the ink level in the container, thereby permitting the pressures on each side of the orifice to counterbalance each other before the ink in said cap overflows through said entrance, and a cover member engageable with the base to form a housing for the cap and container, said cover member having an aperture alined with the entrance in the cap.

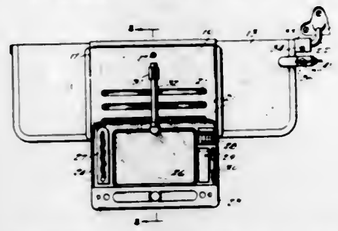
2,547,101

AUTOMOBILE VANITY KIT

Bonnie Lee Uttz, Fort Worth, Tex.

Application October 13, 1947, Serial No. 779,523

2 Claims. (Cl. 224—42.45)



1. In a cosmetic case for use in a motor vehicle, in combination with a sun visor for said vehicle, an extensible bracket capable of adjustably embracing the rear surface of said visor and having spaced slots arranged transversely thereof, a box having a hinged cover adapted to be operatively arranged vertically when said box is in open position, and means on said cover engageable with one of said slots for detachably supporting said box on said bracket.

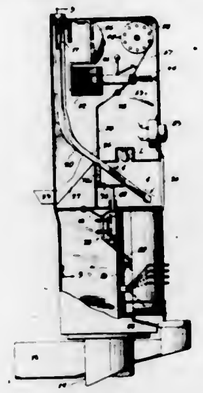
2,547,102

COLLECTION AND DISPENSING MEANS FOR COINS OR THE LIKE

Robert S. Wallach, Madison, N. J., assignor to Associated Development and Research Corporation, New York, N. Y., a corporation of New York

Application February 2, 1946, Serial No. 645,194

4 Claims. (Cl. 235—32)



1. In a combined coin collection and coin dispenser means, a casing, a coin dispenser removably contained within said casing; chute means for conveying a coin from an entrance through said casing and into said coin dispenser; reciprocable stop means within said chute means to arrest the passage of a coin therethrough, said stop means including a catch member freely pivoted to drop out of the path of said coin; means

actuated by the entry of a coin into said chute means to bodily move said catch means downwardly out of operative position without pivotal movement of said catch member; means for resiliently holding said catch member against pivotal movement so long as said coin dispenser is positioned within said casing; and means effective upon removal of said coin dispenser for permitting said catch means to pivot downwardly out of operative position with respect to said chute means.

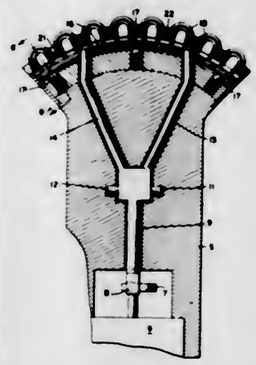
2,547,103
FISH PLUG
Ellis E. White, Bremerton, Wash.
Application April 19, 1946, Serial No. 663,262
1 Claim. (Cl. 43—42.04)



A fishing lure comprising a plug body, means at the forward end of the body for its attachment to a fish line, forward and rearward spring clips fixed to the plug body on its under side, a hook attaching line permanently fastened at its forward end to the rearward clip portion of the plug body, a fish hook attached to the rear end of said hook attaching line and adapted to be trailed by said line at a substantial distance rearward of the plug body, and a second fish hook with an attaching ring freely receiving said hook attaching line for travel of said hook along the said attaching line between its point of connection with the plug body and the first mentioned hook; said attaching ring being releasably secured to the forward spring clip, thereby to draw the hook attaching line forwardly and thus to shorten the trailing distance of the first mentioned hook relative to the plug, and said trailing portion of said hook attaching line then being releasably secured to the rearward spring clip to trail the first mentioned hook; said trailing portion of said hook attaching line and said hook attaching ring being releasable from their respective spring clips by a pull thereon caused by strike on either hook.

2,547,104
METHOD OF MAKING RAZOR HEADS
Wilfred James Whitton, San Francisco, Calif.
Application December 5, 1949, Serial No. 132,195
1 Claim. (Cl. 76—104)

That method of forming a razor head on the body of a razor having a transversely curved end face which consists in securing on said face a slider plate having a series of spaced rows of U-shaped cutters, punching a series of elongated metal strips with closely spaced slots to form combs, bending said strips to U-shape with flaring legs, fitting said strips on the rows of cutters, punching a series of flat elongated strips each with an elongated slot, bending said strips to conform to said combs and constitute supports, punching flat head blanks with spaced parallel sided slots conforming in length to said combs to form head plates, bending said head plates to conform to the curvature of said slider plate whereby the slots in the head plate assume dovetail form in cross-section with the transversely wider parts of the slots adjacent the slider plate inserting said supports in the head plate slots from the wider opening of the



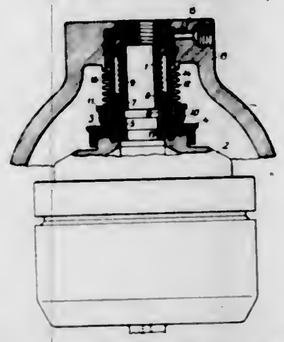
dove-tails, assembling the head plates and supports on the combs, and securing said head plates immovably on said body.

2,547,105
SYSTEM FOR MEASUREMENT OF SMALL CURRENTS
Albert J. Williams, Jr., Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 18, 1946, Serial No. 716,973
19 Claims. (Cl. 171—95)



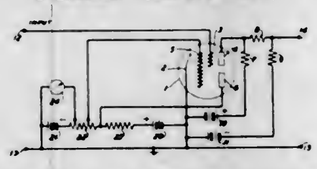
10. A balanceable electrical network for measuring the magnitude of unknown current from a source connected to a pair of junction points and which network at balance appears to said source as a short-circuit between said junction points comprising a sensitive detector, means connecting said detector across said junction points and including a filter for attenuating rapid fluctuations of said unknown current but which filter during rebalancing of said network introduces negative damping conducive to instability of said sensitive detector, a source of variable standard current connected to said junction points with its negative pole connected to that junction point which is connected to the positive pole of said first-named source and with its positive terminal connected to that junction point which is connected to the negative terminal of the first-named source, and a resistance-reactance network in connections from said source of variable standard current to said detector to provide positive damping insuring stability of said sensitive detector despite aforesaid negative damping characteristic of said filter.

2,547,106
SWIVEL JOINT
Stig H. Bjarne Zachariassen, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application February 4, 1948, Serial No. 6,309
In Sweden March 3, 1947
12 Claims. (Cl. 285—97.1)



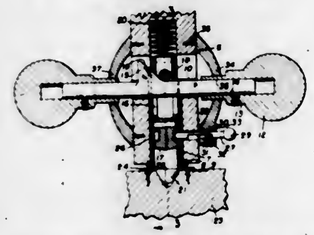
1. In a centrifuge having a centrifugal bowl and a stationary pipe communicating with the interior of the bowl, the combination of a tightening disc rotatable with the bowl and having an opening through which communication is afforded between the bowl and said pipe, the disc moving radially and tilting with the bowl relative to the stationary pipe incident to the bowl rotation, a tightening ring engaging said disc and surrounding said opening, said disc being movable relative to the tightening ring while maintaining a sealing contact therewith, and a packing ring of rubber-like material interposed between the tightening ring and the stationary pipe, said packing ring and tightening ring at least partly defining a passage communicating between the bowl and said pipe and acting to seal against leakage from said passage, there being a clearance between said tightening ring and the stationary pipe to allow the tightening ring to undergo axial and tilting movements relative to said pipe, whereby said tightening ring is adapted to assume relative to said disc at all times a position for maintaining a tight joint therewith.

2,547,107
STABILIZED AMPLIFIER
Attell B. Anderson, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1947, Serial No. 774,855
8 Claims. (Cl. 179—171)



6. An electronic amplifying circuit including one or more working anodes, an auxiliary anode, an activated cathode common to all said anodes, a control electrode individual to each working anode, input circuits individually connected to said control electrodes and said cathode, output circuits individually connected to said working anodes and said cathode, an auxiliary control electrode common to all said anodes, a first resistor and a positive source of power connecting said auxiliary anode to said cathode, a second resistor and a negative source of power connecting said auxiliary anode to said cathode, a first tap in said second resistor connected to said auxiliary control electrode, and a meter connected from a second tap in said second resistor to said cathode.

2,547,108
DOOR LATCH
Carl E. Anderson, Barberton, Ohio
Application May 22, 1947, Serial No. 749,793
2 Claims. (Cl. 292—170)



1. In combination with a sliding door bolt, a handle for operating said bolt, an escutcheon plate for the handle, a lug on one edge of the escutcheon plate, a locking pin slidable in the lug for entering a recess in the bolt to hold the latter in locked position, said pin having a longitudinal groove, and friction means carried by the lug and seated in the groove to hold the pin in either a locking or releasing position.

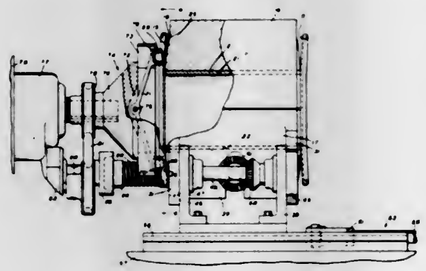
2,547,109
DISPENSING PUMP ATTACHABLE TO THE NECK OF A CONTAINER FOR VISCOUS MATERIAL, HAVING AN INLET CONDUIT EXTENDING INTO SAID CONTAINER
"D" Flavius Bacheller, Glendale, Calif., assignor to "Pump-It" Incorporated, a corporation of California
Application June 12, 1947, Serial No. 754,091
3 Claims. (Cl. 222—385)



1. In a pump assembly adapted for insertion into bottles through the neck thereof the combination of a retaining and sealing device adapted to cooperate with the neck of a bottle comprising a collar having a diameter greater than the inside diameter of the neck and secured to said assembly, said collar having a shoulder

adapted to overlie the rim of the neck, a sleeve of resilient material having an end portion surrounding and engaging the collar and a free portion smaller in inside diameter than the outside diameter of the neck, and a hollow cup-like retainer having a centrally perforated end in engagement with the collar and having a skirt, a portion of the skirt adjacent the perforated end forming in conjunction with the collar a confining space for reception of the end portion of the sleeve and adapted thereby to hold said sleeve in position on the collar.

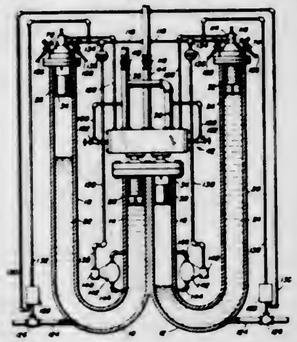
2,547,110
SPINNING APPARATUS FOR WORKING ARTICLES
Gerson Bonnett, Vincent A. Rayburn, and Duer C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 3, 1946, Serial No. 713,780
3 Claims. (Cl. 113—52)



3. An apparatus for cold working articles, which comprises a holder for holding an article, said holder having a curved backing plate to support one side of an article held by the holder, a shaft juxtaposed to the backing plate at the other side of said article, means for rotating the shaft at a high rate of speed, a yoke mounted pivotally on an axis extending transversely to the shaft, a pair of spinning elements carried on radially extending axles on the ends of the yoke, said axles extending transversely of said yoke axis, means for pressing said other side of the article and the spinning elements into engagement, and means for effecting relative movement between the article and the spinning elements transverse to the axis of rotation of the shaft.

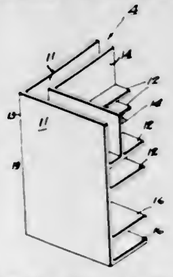
2,547,111
LIQUID SEAL COMPRESSOR
James T. Cawley and Clifton M. Cawley, Silsbee, Tex.
Application February 5, 1948, Serial No. 6,526
7 Claims. (Cl. 230—83)

1. A compressor comprising a cylinder, a sealing piston in said cylinder, an inlet for initially high pressure gas and an outlet for lowered pressure gas at one end of the cylinder, an inlet for initially low pressure gas and an outlet for gas raised to an intermediate pressure on the other end of said cylinder, valves controlling each of said inlets and outlets, and means for synchronizing the opening and closing of the first mentioned inlet and the second mentioned outlet with the closing and opening respectively of the first mentioned outlet and the second mentioned inlet, whereby the energy released by said initially high pressure gas in decreasing in pressure



is utilized, in part, to increase the pressure of said initially low pressure gas.

2,547,112
CONTAINER AND PALLET
Llewellyn J. Daniels, San Francisco, Calif.
Application June 14, 1946, Serial No. 676,697
5 Claims. (Cl. 217—69)

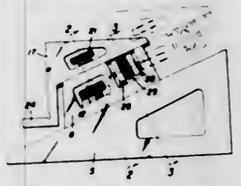


1. In knock-down box of the character described, corner brackets, flanges on said said brackets to engage and hold together the sides and corners of the bottom of said box, a pallet, and a downward extension on each bracket, and retaining flanges on each extension engageable with said pallet to support said pallet in spaced relation below said bottom of said box.

2,547,113
PRODUCTION OF POLY-ESTER-AMIDES
James Gordon Napier Drewitt, Spondon, near Derby, and Gordon Frank Harding, London, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 2, 1947, Serial No. 789,323. In Great Britain December 16, 1946
6 Claims. (Cl. 260—75)

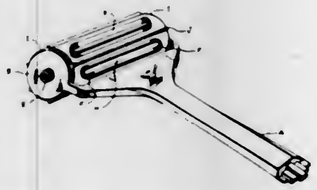
1. Process for the production of poly-ester-amides by condensation of more than two bifunctional reagents free from reactive groups other than the two functional groups, including 5 to 50 molar percent of a single high-melting constituent selected from the class consisting of aromatic primary diamines whose diacetyl derivatives do not melt below 230° C. and dicarboxylic acids whose dimethyl esters do not melt below 110° C. and the amide-forming derivatives of such acids, the functional groups of said reagents being mutually complementary and comprising members selected from each of the following classes, namely (*a*) amino groups carrying hydrogen atoms, (*b*) hydroxy groups and their ester-forming derivatives, and (*c*) carboxy groups and their ester- and amide-forming derivatives, comprising first condensing the reagents other than said high-melting constitutent until the reaction mixture formed by mixing the liquid condensate with the high-melting constituent remains homogeneous throughout subsequent condensation, adding the high-melting constituent and completing the condensation, the condensation being carried out so that the amino groups and the hydroxy-groups and their ester-forming derivatives react with substantially equivalent proportions of the carboxy groups and their ester- and amide-forming derivatives.

2,547,114
MACHINIST'S GAUGE
Leo J. Ellis, Medford, Mass.
Application February 4, 1948, Serial No. 6,239
4 Claims. (Cl. 33—162)



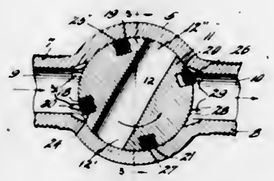
3. A machinist's gauge comprising a substantially triangular shaped base frame adapted for positioning edgewise on work to provide a lower straight edge and an inclined upper edge, an elongated slide including a body having parallel upper and lower edges slidably supported longitudinally on the inclined upper edge of the frame, an elongated gauge block having an inclined lower edge slidably supported longitudinally on the upper edge of the slide, the upper and lower edges of the gauge block and frame respectively, being parallel, means carried by the slide and engaging the base frame to hold and lock the slide thereon in quick slidably adjusted position to approximately adjust the gauge block on the base frame, and micrometer adjusting means connecting the gauge block to the slide to provide a fine adjustment for the gauge block independently of the quick adjustment of the slide.

2,547,115
RUBBER ROLLER FOR MASSAGING
Janine Folley, Toronto, Ontario, Canada
Application December 30, 1947, Serial No. 794,514
In Great Britain August 19, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 19, 1959
1 Claim. (Cl. 128—57)



A massage roller comprising a handle terminating at one end in a pair of spaced-apart bearing forks, a spindle journalled in said bearing forks; a cylindrical roller mounted on said spindle; a plurality of long narrow suction cavities spaced uniformly in the periphery of the roller parallel with the longitudinal axis and extending for the greater part of the length of the roller, each of said cavities being completely framed with a deep projecting lip on the periphery of the roller, and a longitudinal rib formed on the periphery of the roller between each pair of lips, said ribs extending in length substantially from end to end of the roller and being of the same height as the framing lips.

2,547,116
VALVE
Wallace E. Gould, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application January 22, 1946, Serial No. 642,608
10 Claims. (Cl. 251—103)



4. A valve comprising a housing member having inlet and outlet ports and a seat of circular cross section intersected by said ports, a rotary plug member in said seat having a passage including inlet and outlet ports registrable with the housing member ports, means for turning said plug between on and off positions, said seat and said plug member having opposed surfaces, one of said surfaces having a continuous groove which in the off position of the plug surrounds a port of one of said members and is opposed to the surface of the other of said members, an endless rubber sealing element in said groove and coacting with the surface of said other member to provide a seal between the seat and plug member, one of the ports of said other member having a chamfered lateral margin grooved in the direction of flow and extending outwardly beyond the chamfered margin so that when said plug member is turned toward off position said margin acts to press back into the groove a side of said sealing element affected by unseating fluid pressure and simultaneously to relieve pressure past said side of said sealing element.

2,547,117
OVEN DOOR
Christopher L. Hardwick, Cleveland, Tenn.
Application January 15, 1947, Serial No. 722,206
1 Claim. (Cl. 20—56.5)

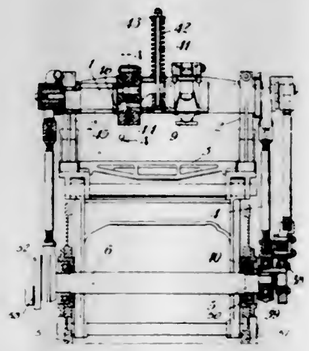
A window structure of the type described including a substantially rectangular sheet metal frame for supporting spaced glass sheets, in front of a conventional window opening, said frame member having a body portion cut away or slit at intervals to form a plurality of strips, a flange on said body portion extending forwardly at substantially a right angle to said body portion, a plurality of spaced glass sheets having their marginal edges in close contact with said flange, a U-shaped spacer member in close contact with said flange and the opposing inner side edges of said spaced glass sheets, the outer forward

marginal edge of said flange being bent inwardly against the outer side edge of one of said glass sheets, inwardly bent tabs formed on said body portion at the base of said strips in close contact with another of said glass sheets, said strips and tabs being formed in pairs and one strip and



tab being formed approximately midway the centers of the sides of the rectangular frame member and means on said body portion for detachably connecting the body portion of said glass sheets in front of the opening in said window and in position to close the said window opening.

2,547,118
BISCUIT AND LIKE CUTTING AND EMBOSSING MACHINE
John Hart, Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich.
Application November 24, 1945, Serial No. 630,647
In Great Britain November 30, 1944
9 Claims. (Cl. 107—24)



1. In a dough piece cutting and embossing machine having a reciprocative cutter bar and drive mechanism therefor; upright slideways on said cutter bar, an abutment member mounted on the cutter bar adjacent the slideway, a reciprocative slider in said slideways, an oscillatory lever pivotally mounted in the slider having an arm extended laterally and normally spring-pressed against said abutment member, and an upright arm on said lever angularly movable in the slider, a rocker shaft carried in bearings on the cutter bar, having operative connecting means to the upright arm of said oscillatory lever; and operative means connecting said rocker shaft to the drive mechanism of the machine.

2,547,119
CIGARETTE
James J. Henderson, Esquimalt, British Columbia, Canada
Application April 8, 1947, Serial No. 740,096
2 Claims. (Cl. 131—4)

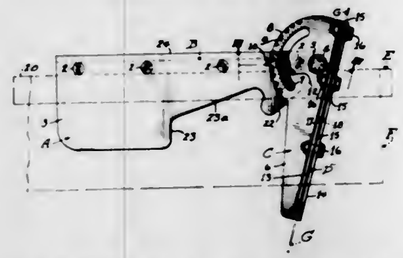


2. An extinguishing device for a cigarette including a tubular wrapper having a tobacco filler, said device comprising a substantially solid fireproof disc adapted to be mounted within the wrapper remote from the end of the cigarette to be lit and adapted to substantially fill the inside diameter of the wrapper, the disc being provided with an annular group of apertures which extend longitudinally of the wrapper, the disc being provided in its forward face with a recess for receiving an odorless tasteless harmless fire extinguishing substance, said recess being disposed entirely within the annular group of apertures and free from direct communication therewith, and an inflammable seal covering the recess of the disc and forming with the disc a completely closed chamber for said substance while air is being drawn through the wrapper and before the seal is ignited.

2,547,120
PROCESS FOR PLATING A CARBON OR GRAPHITE PART WITH CHROMIUM
Robert Seymour Herwig, Arlington, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
No Drawing. Application October 23, 1945, Serial No. 624,090
3 Claims. (Cl. 204—51)

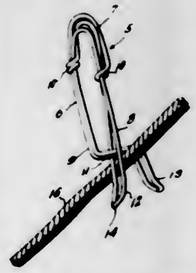
1. A process for chromium plating a carbon part; comprising the steps of first soaking the carbon part in an alkaline cleaning solution including three ounces of sodium hydroxide and two ounces of sodium carbonate per gallon of water; second subjecting said carbon part to a reverse current clean for a period of between five to fifteen seconds and at a temperature of one hundred and sixty degrees Fahrenheit; third passing an electric current through the carbon part at a current density considerably in excess of a rate of fifty amperes for each square foot of effective surface area of the carbon part and at a relatively high voltage while the carbon part is functioning as a cathode in a Cr_2O_3—SO_4 acid plating bath and in which the carbon part is separated from the anode at a distance of from one sixteenth of an inch to a half of an inch; fourth reducing the voltage initially applied to the carbon part after initial chromium plating has been effected and plating at a current density less than before, but at an amperage rate of at least fifty amperes for each square foot of effective surface area of the part.

2,547,121
ADJUSTABLE MITER BOX
Robert Edward Hess, Burbank, Calif., assignor to Miter King Company, Los Angeles, Calif., a copartnership
Application May 10, 1948, Serial No. 26,191
3 Claims. (Cl. 143—87)



1. In a miter box of the character described: a base adapted to rest upon an upper surface of a piece of material to be cut, and having a forward edge exposed to be gripped by a sawyer's hand; a guide strip secured to the underneath part of the base for butting against a forward vertical face of the piece of material, with the base extending rearwardly over the material; the rear edge of the base having a recess therein defining end walls to limit sliding movement of the sawyer's hand along the base; the recess further defining an inclined edge extending diagonally relative to the guide strip, with the recess exposing a section of the piece of material for manual grasping by the sawyer's hand.

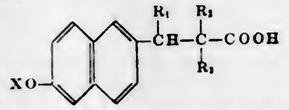
2,547,122
WIRE CLOTHESPIN
Roger N. Heston, Nampa, Idaho
Application August 24, 1946, Serial No. 692,821
1 Claim. (Cl. 24—139)



A clothespin comprising a single piece of wire rod having a doubled intermediate portion to provide an elongated and relatively wide first loop including a bight region and a pair of spaced side members, a portion of said rod constituting a continuation of one of said side members being redoubled and formed to provide an angulated and relatively narrow second loop including a pair of spaced side members having angulated portions terminating in an offset bight region, a continuation of one side member of the second loop being co-extensive with the redoubled portion of the rod and terminating in a coil wound securely around the side members of the first loop, a continuation of the other side member of the first loop being co-extensive with the redoubled portion of the rod and terminating in a coil wound around the side members of the second loop, and the angulated portions of the side members of the second loop extending through the first loop between the side members of the latter, whereby side members of the two loops may provide coacting finger-pieces and the bight regions of the two loops afford coacting jaws.

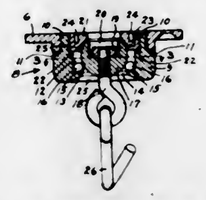
2,547,123
PROCESSES FOR PREPARING ARTIFICIAL OESTROGENIC COMPOUNDS AND PRODUCTS OBTAINED THEREBY
Alain Horeau, Sceaux, and Jean Jacques, Paris, France
Application February 20, 1948, Serial No. 9,926
In France March 6, 1947
9 Claims. (Cl. 260—520)

7. As new industrial products, acids of the general formula:



wherein the letter X represents a member of the group consisting of hydrogen and alkyl radicals of less than three carbon atoms, and R_1, R_2, R_3 represent alkyl radicals of less than three carbon atoms.

2,547,124
MULTIPLE BALL BEARING PUNCHING BAG SWIVEL
Frank W. Hudson, Bothell, and Albert M. Pilkington, Seattle, Wash.
Application November 28, 1947, Serial No. 788,382
3 Claims. (Cl. 287—23)



1. A swivel for suspending a punching bag comprising a tubular bearing cup; an annular train of bearing balls operatively supported in a normally horizontal plane in said bearing cup; a large ball segment supported for universal movement on said bearing balls; a stem secured to said ball segment extending downwardly through the bottom of said cup and adapted to have a punching bag suspended therefrom; and a retaining plug in said bearing cup above said large ball segment, said retaining plug having a spherically recessed lower portion positioned in close proximity to but clear of the large ball segment, whereby said large ball segment is restrained from upward movement but has free and unrestrained angular movement on said bearing balls.

2,547,125
NECKTIE CLASP
George A. Ingleby, Cranston, R. I., assignor to The Hadley Company, Incorporated, Providence, R. I., a corporation of Rhode Island
Application June 7, 1950, Serial No. 166,600
8 Claims. (Cl. 24—49)

7. A tie clasp comprising a backing member having a slide at each of its opposite ends

mounted for movement to contracted and extended positions lengthwise of the backing member, means for holding the backing member on a garment, each slide having an arm overlying the backing member in spaced relation thereto and connected at its outer end to the outer end of the slide, at least one of the arms being hingedly connected to the slide for swinging movement from closed position away



from the backing member to an open position when the slides are in extended position, the inner ends of the arms telescoping together when the slides are moved to contracted position while the hinged arm is in said closed position, one arm having parts disposed on both sides of the other arm when the arms are telescoped together, thereby to interlock the arms against movement to said open position.

2,547,126
ADJUSTABLE PHOTOGRAPHIC LIGHTING APPARATUS
Theodore Kaish and Sam Saks, Bronx, N. Y.
Application January 24, 1947, Serial No. 724,060
5 Claims. (Cl. 240—1.3)



1. A photographic illuminating device having a horizontal bar-like support having sockets at its ends for lights, a center light socket, and means for mounting the center light socket centrally on the support for movement in vertical and horizontal planes, comprising in combination means for pivotally supporting the endmost sockets on the ends of the bar-like support for turning movement in a horizontal plane and for indicating the angular turned positions of the endmost sockets, and means for illuminating light bulbs in the sockets requiring illumination of the bulbs in the endmost sockets before the bulb in the center socket can be illuminated.

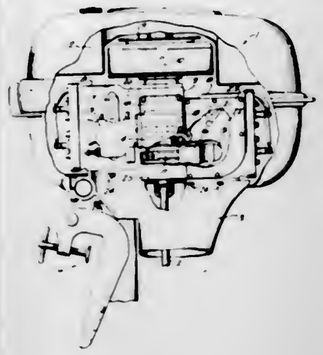
2,547,127
CALCIUM SILICATE OF MICROCRYSTALLINE LATHLIKE STRUCTURE
George L. Kalousek, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application February 17, 1949, Serial No. 77,060
2 Claims. (Cl. 23—110)

1. A shaped product comprising a porous body structure consisting essentially of pure, synthesized crystals having the formula

$$5CaO.5SiO_2.H_2O$$

and being continuously integrated with each other without any other bonding medium, and forming a three-dimensional network interspersed with voids, the aggregate volume of the voids being in excess of that of the crystals.

2,547,128
OUTBOARD MOTOR
Elmer Carl Kiekhaefer, Cedarburg, Wis.
Application July 29, 1948, Serial No. 41,261
5 Claims. (Cl. 123—195)

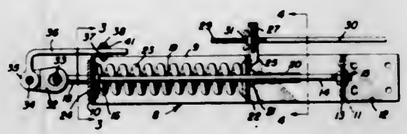


1. In an outboard motor comprising an opposed firing engine and having a pair of offset cylinder blocks of identical construction, an exhaust passage in each block on respectively opposite sides of the engine and opening through the lower face of the blocks, and a drive shaft housing having a stepped upper end to fit the bottom of the engine and having openings to register with said passages.

2,547,129
COPPER BASE ALLOY
John F. Klement, Milwaukee, Wis., assignor to Ampco Metal, Inc., Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application April 29, 1946, Serial No. 665,895
1 Claim. (Cl. 75—160)

An age-hardened cold-worked alloy suitable for resistance welding electrodes and consisting essentially of about .75% chromium, .10% beryllium, .05% silver, .08% silicon, .10% iron, and the balance essentially copper.

2,547,130
COMBINATION SAFETY HITCH AND PLOW TRIP
Elmer A. Kniep, Squirrel, Idaho
Application July 7, 1948, Serial No. 37,455
1 Claim. (Cl. 97—183)



In a hitch of the class shown and described, a substantially rectangular relatively stationary main frame provided at its rear end with means whereby said frame may be rigidly secured to a plow tongue, a rigid truss rod secured at opposite ends to corresponding end portions of said main frame and situated centrally between the side

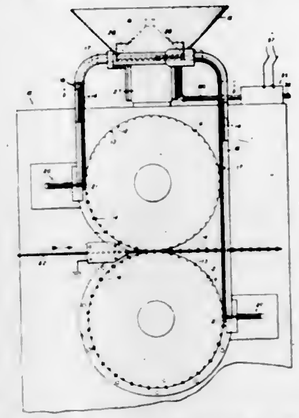
members of said main frame, a complemental U-shaped frame including a bight portion and parallel limb portions, said limb portions being slidable through guide openings in one end of said main frame and being reciprocable in spaces between said truss rod and the longitudinal members of said main frame, said bight portion being disposed exteriorly of the adjacent end member of the main frame, a cross-head within the confines of said main frame and slidably mounted on said truss rod and connected with adjacent rearward ends of the limbs of said U-shaped frame, coiled springs surrounding said limbs and interposed between said cross-head and forward end member of said main frame, an upstanding yoke rigidly connected to the central portion of said cross-head, a trip rod connectible at its rear end to a trip lever on a tumble-type plow, said trip rod being disposed in horizontal parallelism above said frames, and means carried by said yoke for pivotally and adjustably connecting said trip rod with said yoke, said means embodying a centrally apertured disk rockably mounted between the arms of said yoke, the coacting forward end of said trip rod having a screw-threaded portion slidable through said aperture and being provided with a thumb nut adapted to abut said disk.

2,547,131
ELECTROMAGNETIC RELAY
Alexander Jay Lewus, Cicero, Ill.
Application December 30, 1949, Serial No. 135,880
5 Claims. (Cl. 175—345)



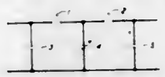
1. An electromagnetic relay comprising a substantially Z-shaped field element providing an upstanding body and a lower forwardly extending arm and an upper rearwardly extending arm, an upstanding core element secured to said forwardly extending arm and provided with a pole end terminating below said rearwardly extending arm, a winding carried by said core element, an armature, a pivotal connection between said armature and said body, said armature having a forwardly extending free end disposed above said pole end of said core element and being movable toward and away from said pole end of said core element about said pivotal connection, said body having a hole formed therein and disposed above said pivotal connection, a tension element disposed above said armature and projecting through said hole, a rotatable member carried by said rearwardly extending arm, one end of said tension element being connected to said member and the other end of said tension element being connected to said free end of said armature so that said tension element normally biases said free end of said armature away from said pole end of said core element about said pivotal connection, and means controlled by rotation of said member for selectively adjusting the position of said one end of said tension element different distances above said pivotal connection in order selectively to vary the moment of the bias exerted by said tension element upon said free end of said armature.

2,547,132
APPARATUS FOR PREVENTING STATIC CHARGES FROM COLLECTING ON ARTICLES IN A DISPENSING HOPPER
Harold R. Longfellow, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1947, Serial No. 752,892
2 Claims. (Cl. 222—9)



2. Apparatus for preventing static charges from collecting on a plurality of non-metallic articles, which comprises a funnel-shaped hopper in which a plurality of non-metallic articles may be haphazardly positioned, feed chutes for conducting the articles from the hopper in a single-file manner, a conical agitator rotatable within the hopper for urging the articles into the feed chutes, said agitator being so positioned as to form an annular opening between itself and the hopper and having a counterbore in the base thereof and a plurality of holes provided around said base and communicating with the counterbore and the annular opening, and means for continuously supplying an electrically conductive gas to the counterbore whereby the rotating agitator in the hopper projects a rotating spray of the conductive gas into the mass of articles in the hopper, whereby the gas conducts electrostatic charges from the articles generated by the agitation thereof in the hopper.

2,547,133
WAVE FILTER
George H. Lovell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1947, Serial No. 789,666
4 Claims. (Cl. 178—44)



1. A temperature-compensated, band-pass wave filter of the ladder type comprising two substantially identical series-connected piezoelectric crystals, a central shunt capacitor, and two substantially equal shunt end capacitors, said crystals and capacitors being of such types that an increase in the operating temperature tends to increase the insertion loss of the filter in the transmission band and shift the band to a lower frequency, and the capacitance of said central capacitor differing from twice the capaci-

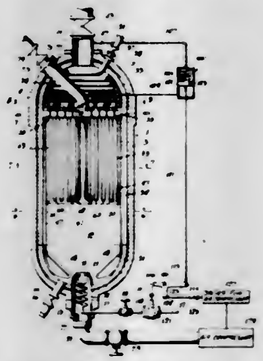
tance of each of said end capacitors by an amount such that at a selected frequency within the band above the mid-band frequency the change in loss due to a change in the temperature is substantially compensated by the change in loss due to the frequency shift of the band.

2,547,134
CONTRAOSCILLATING ECCENTRIC SKINNING IMPLEMENT
Burton A. McLean, Winnipeg, Manitoba, Canada
Application March 4, 1949, Serial No. 79,605
5 Claims. (Cl. 17—21)



1. A skinning implement comprising in combination a shielding casing, a pair of skinning elements each having a semi-circular serrated perimeter, said elements being in superficial contact such as to provide an arcuate bi-serrate skinning edge said skinning elements being eccentrically mounted with respect to each other, and means operatively connected to said elements for imparting motion to at least one of said elements whereby the serrated perimeter thereof moves in eccentric, shearing relationship to the other.

2,547,135
EQUIPRESSURE VAPOR GENERATOR AND METHOD OF OPERATING SAME
Ernest Mercier, Paris, France, assignor, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia
Application July 9, 1949, Serial No. 103,893
In France September 15, 1942
17 Claims. (Cl. 122—333)



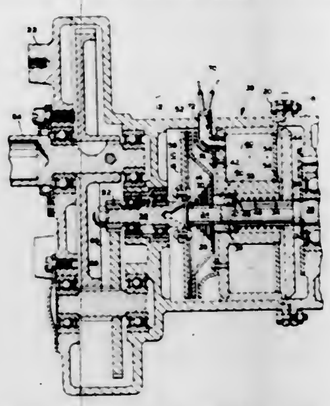
1. In a vapor generator, a pressure resistant casing enclosing a combustion chamber wherein high pressures approximating the vapor pressures generated in said generator may be maintained, means for supplying fuel to said chamber, means for delivering a combustion supporting gas into said chamber under a pressure of at least 5 kilograms per square centimeter for combustion of the fuel supplied thereto, vapor generating elements within said chamber, and means responsive to variations of the vapor pressure generated within said vapor generating element relative to the pressure of the combustion gases within said chamber for varying the flow of gases through said chamber for maintaining the pressure of the gases within said chamber outside said elements within a predetermined narrow range approximating the pressure of the vapor produced in said elements so that stresses on the heated elements of said generator are limited and only the cool casing is required to withstand high pressure.

2,547,136
METHOD OF PREPARING A WHIPPING AGENT FROM CASEIN
Elmer Bernhard Oberg and Carl Eugene Nelson, Milwaukee, Wis., and Cloyce Leroy Hankinson, Minneapolis, Minn., assignors to Carnation Company, Milwaukee, Wis., a corporation of Delaware
No Drawing. Application May 24, 1947, Serial No. 750,370
6 Claims. (Cl. 99—20)

1. In a method of manufacturing a powdered whipping agent derived from milk, the steps comprising separating from milks its casein component in the form of a curd; dispersing said curd in water to form a mixture; adding to said mixture at least one proteolytic enzyme; partially digesting said mixture under appropriate temperature and pH conditions to activate the enzyme; making the resulting partial digest slightly acid and heating it at between 80° and 100° C. for a period of from 1 to 2 hours to destroy said enzyme and to precipitate the undigested fraction; filtering said partial digest to remove the said precipitate; concentrating the resulting filtered solution; making the solution alkaline; and drying the said alkaline solution to provide the said powder.

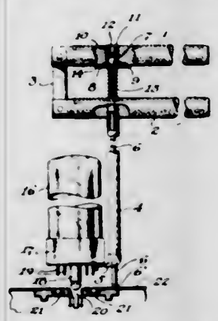
2,547,137
ELECTROMAGNET OVERLOAD RELEASE CLUTCH
Leonard Ochtman, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 6, 1948, Serial No. 63,659
1 Claim. (Cl. 192—84)

An actuator clutch comprising, in combination, a driven clutch member having a friction surface, a relatively movable clutch member having a friction surface adapted to engage said first mentioned friction surface, said movable clutch member being axially slidably mounted on a motor shaft so as to rotate therewith, spring means surrounding said shaft adapted to urge said movable clutch member axially on said shaft out of driving engagement with said driven clutch member, a sleeve surrounding said shaft and axially slidable relative thereto between a shoulder on said shaft and a stop ring spaced from said shoulder and mounted on said shaft, electromagnetic means surrounding said shaft and including a stationary portion and a movable armature normally spaced apart, said armature being securely mounted on said sleeve adjacent the end thereof abutting said shoulder, a snap ring mounted on said sleeve adjacent the other end of said sleeve, a first bell-shaped ring slidably fitting about said sleeve, a spring stronger than the first mentioned spring to normally urge said bell-shaped ring against the sleeve snap ring, and a second bell-shaped ring member surrounding said shaft and abutting the first bell-shaped ring and the movable clutch member in such a manner that the first mentioned spring means urging said movable driving clutch member away from said driven



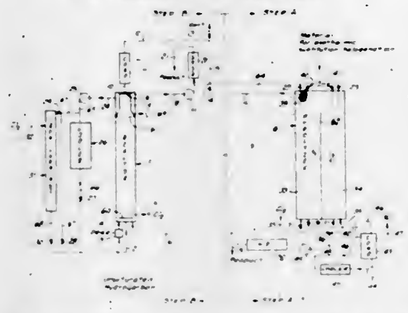
clutch member urges said sleeve and the armature mounted thereon against said shoulder through the intermediary of said movable clutch member, second bell-shaped ring, first bell-shaped ring and said relatively strong spring thereby providing a gap between said driven and driving clutch members, a gap between said shaft snap ring and said sleeve larger than said first mentioned gap, and a gap between said armature and said stationary portion of said electromagnetic means larger than the aforementioned gaps.

2,547,138
TOOL FOR REMOVING RADIO TUBES AND VIBRATORS
Arthur C. Pothier and Arnold C. Howe, Portland, Maine
Application June 29, 1948, Serial No. 35,838
2 Claims. (Cl. 254—131)



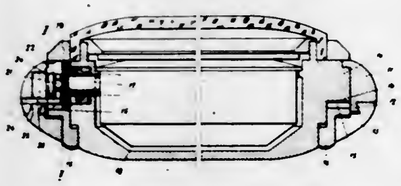
1. A tool for removing radio tubes including a slender tubular member adapted to be inserted within restricted spaces in a set, a foot at the lower end of the tubular member and extending laterally therefrom, said foot shaped to engage under a tube, a spindle housed within the tubular member and adapted to engage the floor of the chassis, the upper end of the spindle extending beyond the tubular member, a hand lever operable to lift the tubular member, said lever having a cavity and an opening from the cavity through the lower side of the lever, the upper end portion of the spindle passing through said opening, a rounded head on the extreme upper end of the spindle and housed within the cavity, the diameter of the head being greater than the diameter of the opening, and said lever fulcrumed about the rounded head on the spindle.

2,547,139
CHLORINATION OF HYDROCARBONS
Merle Randall, Berkeley, Calif.
Application March 8, 1946, Serial No. 653,218
15 Claims. (Cl. 260—654)



1. A process for addition chlorination which comprises introducing separately into a reaction zone at a temperature conducive to said chlorination, chlorine and a material selected from the group consisting of the unsaturated aliphatic hydrocarbons and chlorohydrocarbons having from 2 to 6 carbon atoms, and anhydrous ferric chloride in an amount sufficient to catalyze the reaction and maintain the system substantially anhydrous and separating, externally cooling, and returning to the reaction zone a portion of the liquid product sufficient to remove the heat of reaction.

2,547,140
WINDING AND SETTING MECHANISM FOR WATCH MOVEMENTS
Erich Schmitz, Granges, Switzerland
Application October 14, 1947, Serial No. 779,822
In Switzerland December 14, 1946
2 Claims. (Cl. 58—46)



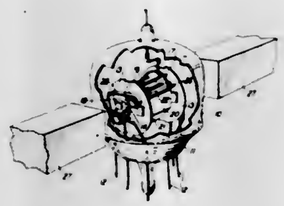
1. A watch case of the character described comprising a body of a cup-shaped formation having a closed back and an open face, a crystal carrying bezel cooperating with the rim of said cup-shaped body for closing the face of the same, a winding and setting stem extending through the peripheral wall of the cup-shaped body and axially shiftable between winding and setting positions, a pinion carried by the outer portion of

said stem, said cup-shaped body having an annular recess in the outer surface of the peripheral wall adjacent the back thereof, a toothed crown rotatably mounted in said annular recess and meshing with said pinion, said toothed crown having an annular knurled portion projecting beyond the surface of a portion of the back of said cup-shaped body for rotation of the crown, and rings cooperating with each other and embracing the cup-shaped body and crown for retaining said crown in said recess, the teeth of said crown being of sufficient length to engage the pinion on the stem in both of its positions of shifting.

2,547,141
ALKYL CELLULOSE STABILIZED WITH HYDROQUINONE
John Henry Sharphouse, Urmston, near Manchester, and John Downing, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application October 13, 1944, Serial No. 558,616. Divided and this application September 24, 1946, Serial No. 699,090. In Great Britain November 22, 1943
3 Claims. (Cl. 106—189)

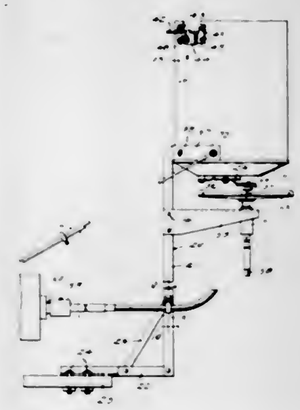
1. A molding or coating composition comprising both an alkyl cellulose in which the alkyl radicles contain from 2 to 6 carbon atoms, the said alkyl cellulose containing at least 2 alkyl radicles for each $C_6H_{10}O_5$ unit and being soluble in hydrophobic organic solvents, and hydroquinone homogeneously distributed therethrough in amount 1%–5% of the weight of the alkyl cellulose.

2,547,142
SECONDARY EMISSION AMPLIFIER
William G. Shepherd, St. Paul, Minn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1948, Serial No. 62,396
6 Claims. (Cl. 250—174)



1. An electron discharge device comprising a cathode having a substantially plane electron emissive surface, an accelerating grid opposite said surface and parallel thereto, an auxiliary electrode opposite said grid and electrically connected thereto to define a substantially electric field free region therewith, a secondary electron emissive target electrode laterally adjacent said region and inclined with respect to said emissive surface, a collector electrode opposite said target electrode and extending from immediately adjacent the edge of said auxiliary electrode nearest said target electrode, and means adjacent said region for producing a magnetic field in said region substantially perpendicular to the path of the electrons from said cathode plane electron emissive surface to said face of said target electrode, to direct electrons from said emissive surface to the face of said target electrode toward said collector electrode, said collector electrode being positioned so that it is not in the path of the electrons emitted from said plane electron emissive surface and directed to the face of said target electrode.

2,547,143
SEED SOWER
Harold S. Speicher, Urbana, Ind., assignor to The Cyclone Seeder Co., Inc., Urbana, Ind.
Application January 3, 1950, Serial No. 136,603
3 Claims. (Cl. 275—8)

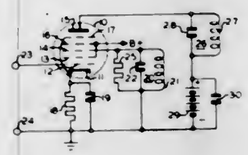


1. A material broadcasting attachment for mounting on the drawbar of a tractor and for connection with the power take-off, said attachment comprising a hopper having a lower delivery opening, a support fixed to said hopper for mounting on the drawbar, a rotatable distributing member below said delivery opening, an adjustable valve regulating the discharge of material from said opening, means for rotating said distributing member, an eccentric fixed relative to said distributor, a fork member fixed to said valve and engaging about said eccentric for oscillating said valve, and a pair of agitating pins carried by said valve projecting upwardly into said opening.

2,547,144
ANTICOCCIDIOTIC COMPOSITION
John A. Whiting, Kansas City, Mo., assignor to American Home Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 16, 1946, Serial No. 716,665
7 Claims. (Cl. 167—53.1)

1. An anticoccidiotic composition comprising a quaternary salt selected from the group consisting of (diisobutylphenoxyethoxyethyl) dimethylbenzyl ammonium chloride and (diisobutylcresoxyethoxyethyl) dimethylbenzylammonium chloride, a clay and a mild, non-toxic, internal astringent selected from the group consisting of aluminum hydroxide, aluminum phosphate and aluminum carbonate.

2,547,145
SPACE-CHARGE-COUPLED CASCADE AMPLIFIER
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application December 27, 1948, Serial No. 67,331
15 Claims. (Cl. 179—171)



1. A cascade amplifier comprising: an electron discharge device including in the order named a cathode, an input grid, a screen electrode, a control grid, and an output electrode disposed across a single electron path; means for applying a positive unidirectional operating potential to said screen electrode to establish a virtual cathode intermediate said screen electrode and said control grid; an input circuit for the application of radio frequency input signals between said input grid and said cathode; a two-terminal load circuit having one terminal coupled externally of said device to said control grid only and having the other terminal returned to said cathode, and having an impedance at the frequency of said input signals at least equal to the reciprocal of the effective transconductance, at said input-signal frequency, of said input grid with respect to said control grid for developing an amplified signal at said input-signal frequency by space charge coupling from said input grid and for impressing said amplified signal on said control grid; and an output load circuit coupled between said output electrode and said cathode and responsive to said input-signal frequency.

2,547,146
HOLLOW PONTOON STRUCTURE AND METHOD OF MAKING THE SAME
Howard E. Anthony, Benton Harbor, Mich.
Application January 30, 1947, Serial No. 725,393
8 Claims. (Cl. 9—6)



4. The method of making pontoons which comprises forming a pair of fibrous sheets impregnated with uncured plastic so that they will fit together to form a pontoon, placing strips of fibrous material impregnated with uncured plastic on the sheets with their edges projecting therefrom to form internal channels in the pontoon, treating the sheets and strips to cure the plastic and to secure the strips to the sheets, assembling the sheets with a thin film of uncured plastic between their meeting edges, placing reinforcing and dividing sheets in the assembly with their edges fitting in the channels and with a thin film of uncured plastic between the reinforcing sheets and the channels to reinforce the pontoon and to separate its interior into a plurality of compartments, and treating the assembly to cure the uncured plastic and to secure the parts together.

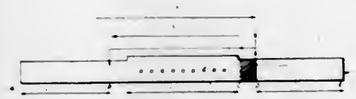
2,547,147
METHOD OF PRODUCING SULFANILYLTHIOUREAS
Bruce Earle Baker, Stanbridge East, Leo Brickman, Montreal, and Leo Edward Ryan, Dorval, Quebec, Canada, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 24, 1946, Serial No. 678,884. In Canada November 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 29, 1964
2 Claims. (Cl. 260—397.7)

1. In a process for the preparation of sulfanilylthioureas and derivatives, the steps comprising heating an aqueous suspension of calcium acetyl sulfanilylcyanamide at a temperature of at least 70° C. with hydrogen sulfide under pressure, and thereafter dissolving sodium chloride into the aqueous reaction mixture and crystallizing out the sodium salt of acetyl sulfanilylthiourea from the aqueous reaction mixture.

2,547,148
BENEFICIATION OF IRON ORES
William A. Bates, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 18, 1949, Serial No. 77,270
12 Claims. (Cl. 209—166)

1. A process for the recovery of iron oxide minerals from iron-bearing ores, which comprises forming an aqueous pulp of an iron oxide-bearing ore and effecting froth flotation of said aqueous pulp in the presence of a polyalkylated mononuclear aromatic sulfonic acid, said acid being a sulfonated bottoms fraction from the alkylation of a mononuclear aromatic hydrocarbon with an olefin containing from 9 to 18 carbon atoms and boiling between about 250° F. to about 600° F., said bottoms fraction boiling above the boiling point of a monoalkylated aromatic hydrocarbon in which the alkyl portion corresponds to said olefin.

2,547,149
METHOD OF FIRING PORCELAIN
Louis Beaudet, Limoges, France, assignor to Society Bernardaud & Cie, Limoges, France
Application April 15, 1947, Serial No. 741,651
In France April 17, 1946
10 Claims. (Cl. 25—157)



1. The method of firing enamelled porcelain consisting in firing the porcelain from the beginning until near the end of the firing operation in a reducing atmosphere including a small percentage of carbon monoxide.

2,547,150

POLYMERIZATION OF BUTADIENE HYDROCARBONS IN THE PRESENCE OF A TRITHIOCARBONATE

Edward S. Blake and John R. Durland, Nitro, W. Va., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 7, 1944, Serial No. 562,409
7 Claims. (Cl. 260—84.3)

6. The process of regulating polymerization which comprises polymerizing a monomeric mixture containing a butadiene-1,3 hydrocarbon and styrene in the form of an aqueous emulsion in the presence of an effective amount less than 1% based on the total monomers present of a trithiocarbonate possessing the structure



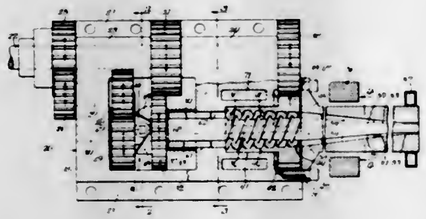
where R represents an aromatic substituted methyl radical, where R′ represents a radical selected from the group consisting of alkyl radicals and aromatic substituted methyl radicals, and where said aromatic substituents consist solely of the elements selected from the group consisting of carbon, hydrogen, and chlorine.

2,547,151

EXTRUDING MACHINE

Albert H. Braeseke, Chicago, Ill.

Application September 15, 1945, Serial No. 616,630
11 Claims. (Cl. 18—12)



1. In an extruding machine, the combination of an inner conveyor screw, an outer conveyor screw surrounding said inner conveyor screw, said two screws engaging the same body of material therebetween internally and externally thereof, the direction of lead of said inner conveyor screw being opposite to the direction of lead of said outer conveyor screw, means for rotating said screws in opposite directions at the same speed, and pressure feed means for feeding material to the intake ends of said conveyor screws comprising a power driven ram disposed axially of said screws and having rotary and axial movement relatively to said inner conveyor screw.

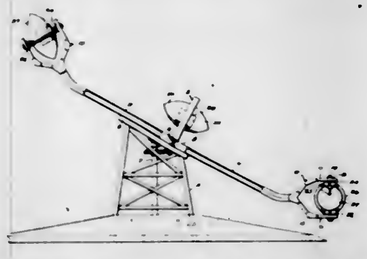
2,547,152

MULTIPLANE ROTATING MOVEMENT FOR AERIAL AMUSEMENT RIDES

John E. Burg, Burlington, Iowa

Application April 6, 1948, Serial No. 19,219
2 Claims. (Cl. 272—51)

1. An amusement riding device including a base, arms mounted thereon for radial movement in an inclined plane, a yoke fixedly mounted on the outer end of each arm and inclined upwardly at an angle to said arm, an annular track mounted to spin freely between the arms of each



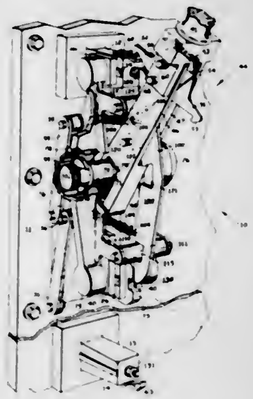
yoke, and a car mounted on each track to roll freely within the track on an axis perpendicular to the axis of spin of the track.

2,547,153

DOUBLE-THROW CLAMPING SWITCH

Arthur S. Caswell, Philadelphia, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 21, 1946, Serial No. 691,927
1 Claim. (Cl. 200—170)



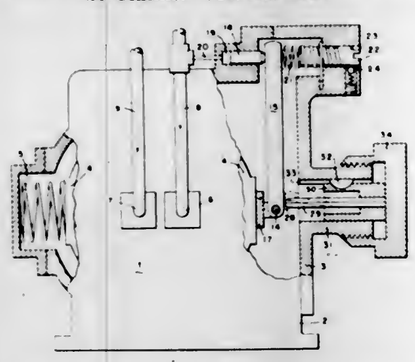
A double throw switch comprising a first contact, a second contact, a switch blade carrying a contact and having a neutral position and movable in one direction to engage said first contact and in the opposite direction to engage said second contact, a screw clamp member arrangement carried on and rotated by said blade to clamp said switch blade contact against said first contact when the movable contact is moved clockwise and clamp it against said second contact when the movable contact is moved into opposite counterclockwise direction, a double dog latch secured to and operable with said blade, spring means for maintaining said latch substantially parallel to said switch blade in its movement, said latch preventing rotation of said screw member until contact engagement between said switch arm and first or second contact occurs, and means automatically operative when contact engagement is effected for moving said double dog latch to permit rotation of said screw by said blade for effecting clamping engagement.

2,547,154

CONTROLLER FOR HYDRODYNAMIC MACHINES

James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 24, 1946, Serial No. 643,092
20 Claims. (Cl. 103—38)



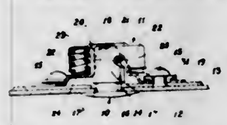
1. In a pump having a member movable toward and from a neutral position to vary pump displacement and urged in one direction, the combination of a lever having a pivotal connection with said member, a fulcrum for said lever, means for holding said fulcrum against movement by said lever to thereby limit the movement of said member in said direction and responsive to variations in temperature for shifting said fulcrum along said lever, a piston for applying force to said lever at a point remote from said connection, a spring opposing the action of said piston, and means for subjecting said piston to the pressure created by said pump to enable said piston to compress said spring and tilt said lever upon said fulcrum to thereby move said member in a direction to increase pump displacement in response to pump pressure exceeding a predetermined value.

2,547,155

FLOATING FASTENER RECEPTACLE

William Dzus, West Islip, N. Y.

Application December 10, 1949, Serial No. 132,363
2 Claims. (Cl. 24—221)



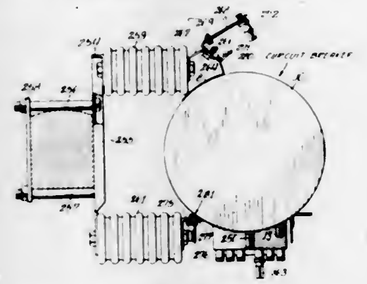
2. A fastener receptacle of the type which is engageable with a fastener stud and which is adapted to be attached to a support so that it can float with respect thereto, comprising: fastening means for engagement with a stud; an attaching flange for supporting the fastening means and cooperable to rest directly on a support and formed with an attaching aperture which is rectangular in shape; and attaching means for securing the receptacle to a support consisting of a bushing formed with an outwardly projecting flange at its upper end larger than the attaching aperture and with a tubular shank depending from the flange and of uniform smaller cross-sectional size than the attaching aperture and of somewhat greater length than the thickness of the attaching flange and a rivet having a body portion of greater length than the bushing and of a diameter to fit through the bushing and having a head for engaging the flange at the upper end of the bushing.

2,547,156

MOUNTING MEANS FOR CIRCUIT BREAKERS OR THE LIKE

Fred Farrell, Cedar Rapids, Iowa, assignor to Electrical Engineers Equipment Company, Melrose Park, Ill., a corporation of Illinois

Original application November 20, 1943, Serial No. 511,019. Divided and this application November 19, 1945, Serial No. 629,423
3 Claims. (Cl. 200—168)



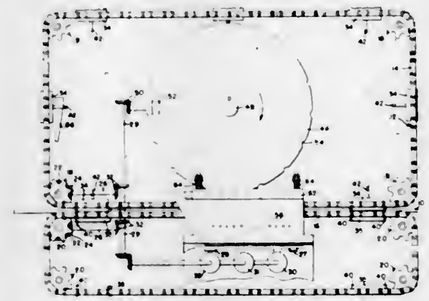
1. A mounting means for an automatic circuit breaking switch or the like having a pair of spaced switch contacts, comprising a mounting frame for supporting the switch, and means providing a three-point mounting of the switch upon said frame comprising, a pair of terminals carried by said frame and spaced correspondingly to the spacing of said switch contacts, said switch contacts and said terminals being formed to provide a two-point suspension mounting of the switch upon said mounting frame, clamping means between the mounting frame and the switch providing the third mounting point for the latter, and a pair of blade members each pivotally mounted at one end thereof to one each of said terminals, said blades being adapted to be positioned to engage the other ends thereof with each other to shunt said switch.

2,547,157

CUTOFF MECHANISM

James H. Gibbons, Tipp City, Ohio

Application February 13, 1947, Serial No. 728,225
9 Claims. (Cl. 164—49)



1. In a cut-off mechanism having a cut-off station; a pair of opposed endless chain units movable together through said station; a plu-

rality of spaced apart blocks carried by each of said chains and each adapted for registering with one of the blocks on the other of said chains during their travel through said cut-off station; means for introducing a work member between said blocks as they are brought together by said chains and for thrusting the work member in its direction of movement for driving said chains; a cut-off member carried by one of said blocks; and means responsive to movement of said chain by said work member for actuating said cut-off member to sever said work member during the travel thereof through said station.

2,547,158
PREPARATION OF THIOPHOSPHORYL CHLORIDE
Kenneth L. Godfrey, Dunbar, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 4, 1946, Serial No. 659,659
4 Claims. (Cl. 23—14)

1. The process of preparing thiophosphoryl chloride which comprises adding phosphorus trichloride to a solution of sulfur in a chlorinated diphenyl at a temperature in the vicinity of 175–180° C. and distilling off the product as it is formed.

2,547,159
DEVICE FOR STABILIZING THE FREQUENCY OF AN ULTRA SHORT WAVE TRANSMITTER
Pierre Guenard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application August 27, 1946, Serial No. 693,289
In France April 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 19, 1965
6 Claims. (Cl. 250—17)



1. An ultra-short wave emitter system including a generator of ultra-high frequency, means for feeding said generator, a dielectric guide excited by said generator, at least one branch guide section on this guide including a detector, means for picking up at the output end of this detector a current responsive to the frequency variations of the generator due to the deviations of the feed means from a predetermined condition, and means for injecting the said current in the said feed means so as to reduce the said deviations of the said feed means from the said predetermined conditions.

2,547,160
FUSED DROPOUT CUTOUT
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application May 6, 1949, Serial No. 91,777
19 Claims. (Cl. 200—114)

1. In a fused drop-out cut-out, the combination of an insulating support with a pair of rigid contact arms carried by said support in spaced relation to each other, the said contact arms being provided at their ends with partially cylindrical grooves for engagement with contact trunnions carried by a fuse tube unit, the said partially cylindrical grooves being open on the side toward each other, and the contact arms having their grooves located to engage those parts of the trunnions which are outermost with respect to the fused tube, a fuse tube unit comprising an insulating tube for receiving a fuse, and upper and lower contact fixtures carried by said

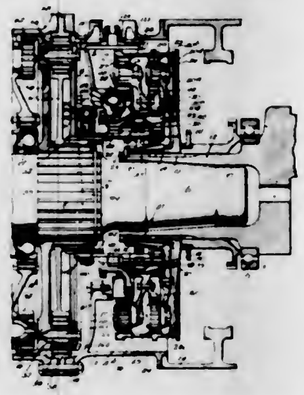


tube and bearing trunnions on each fixture, one of said contact arms having a pivotal mounting with a limited pivotal movement, to permit a spread of the contact arms relative to each other, and resilient means carried by said contact arm, for urging the same in a pivotal direction toward the other contact arm so that provision is made for receiving the trunnions of fuse tube units of different relative spacings which may occur due to inaccuracies of manufacture, the said resilient means comprising a leaf spring supported at both of its ends and engaged between its ends by a part of the pivotally mounted contact arm.

2,547,161
VARIABLE-SPEED GEARING FOR DRIVING PROPELLERS
Fred J. Johnson, Ferndale, Mich., assignor to Avco Manufacturing Corporation, a corporation of Delaware
Application July 4, 1945, Serial No. 603,151
15 Claims. (Cl. 74—674)

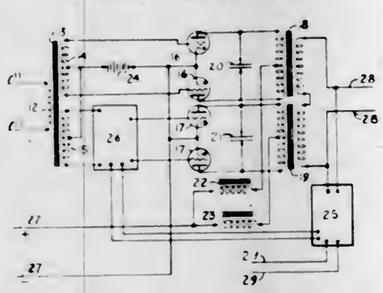
1. Driving mechanism for a propeller, comprising: a driving-wheel driven by an engine-shaft; an internal gear on said driving-wheel; a substantially non-rotating sun-gear; planetary pinions between and meshing with said internal gear and the non-rotating sun-gear; a low-speed carrier on which said planetary pinions are journalled and rotatable by their planetary movement; a sun-gear rotatable with the low-speed carrier; a second internal gear on the driving-wheel; a high-speed carrier co-axially rotatable with the low-speed carrier; planetary pinions journalled on the high-speed carrier and meshing with the second internal gear and the rotatable sun-gear on the low-speed carrier; clutch-teeth on the low-speed and high-speed carriers; a

clutch-sleeve co-axial with the carriers and provided with teeth selectively engageable with the



clutch-teeth on the carriers; and means for driving a propeller-shaft from the clutch-sleeve.

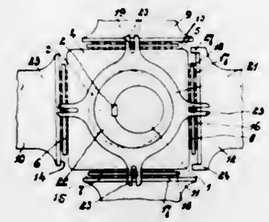
2,547,162
ELECTRONIC INVERTER
George B. Kidd, Dayton, Ohio
Application December 18, 1948, Serial No. 66,117
2 Claims. (Cl. 321—36)



1. In combination, a source of direct current power, two electronic inverters employing gaseous discharge tubes, means for connecting the output circuits of said inverters in effective series circuit relationship to form a combined output circuit, a source of alternating current power, means for supplying the grids of the tubes of said inverters from said alternating current power source, means for obtaining a direct current voltage dependant in value upon the amount by which the voltage from the combined output circuit differs from a predetermined value, and means for varying the grid bias voltage of the tubes of one said inverter compared to the grid bias voltage of the tubes of the other inverter in response to this direct current voltage.

2,547,163
PISTON ENGINE
Alexandre Horowitz and Martinus Kooy, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 20, 1948, Serial No. 55,548
In the Netherlands November 8, 1947
4 Claims. (Cl. 74—50)

1. A piston engine comprising a plurality of separately movable pistons; means for determining the stroke of each of said pistons, said means comprising; a main engine shaft, a member journalled eccentrically on said main shaft, said member having a plurality of contact surfaces, each of said pistons having a contact surface which is operatively associated and parallel with one of said contact surfaces of said member to form pairs of operatively associated contact surfaces, separate rolling means positioned between



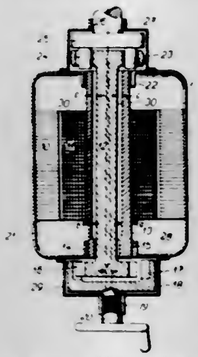
each pair of operatively associated contact surfaces and in rolling contact therewith, separate cage means confining each of said rolling means, common coupling means limiting the lateral movement of each of said cage means and the said rolling means confined thereby with respect to said operatively associated surfaces, said common coupling means being journalled on said main engine shaft.

2,547,164
PINBALL GAME-CONTROLLED RACING GAME APPARATUS
William Lemke, Antioch, Ill.
Application May 20, 1947, Serial No. 749,159
1 Claim. (Cl. 273—86)



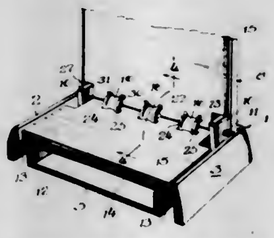
In a game apparatus, the combination of a base board provided with a series of parallel slots longitudinally thereof, a series of rods aligned with said slots, respectively, beneath the same, a plurality of tubular members, each fixed to said base board and slidably supporting one end of each of said rods, respectively, a plurality of solenoids, each said solenoid slidably receiving the opposite end of each of said rods, respectively, a collar on each of said rods, spring means about each said rod between said respective collar and solenoid thereof, said springs biasing said rods into said tubular members respectively, bases slidable above the base board and adapted to carry markers, extensions depending from said bases, each said extension having an opening through which one of said rods passes, each said extension lying in a plane at an acute angle with the rod axis whereby each said rod when moved in one direction by a solenoid will frictionally engage the extension and advance said base but when moved in the opposite direction by a spring will slide through said extension opening without moving said base, means for selectively energizing each said solenoid for predetermined time intervals and means slidably mounted on said base board and adapted to be moved into engagement with said extensions for returning said bases to a starting position.

2,547,165
TRANSMISSION GEAR FOR LARGE GEAR RATIOS
Bedřich Mládek, Liberec, Czechoslovakia
Application July 30, 1947, Serial No. 764,830
In Germany February 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 4, 1964
7 Claims. (Cl. 74—785)



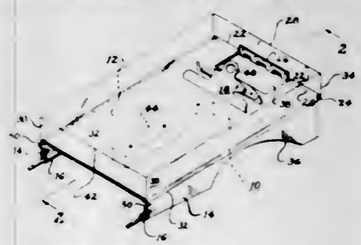
1. A coaxial gear transmission for large gear ratios, comprising an electromotor having a rotor shaft and a stationary part, an outer driving shaft of cylindrical outer surface formed by the rotor shaft of said electromotor, an inner driven shaft extending through a lengthwise bore of said outer driving shaft, the axis of said inner driven shaft and the axis of said bore being of varying eccentricity with respect to the axis of the cylindrical outer surface of said outer driving shaft, said bore being provided at the end where its eccentricity is greatest with a bearing for said inner driven shaft, said bore and said bearing extending at an angle to the axis of the cylindrical outer surface of said outer driving shaft so that an end portion of said inner shaft projecting out of said bearing is adapted to perform a whirling conical movement upon rotation of said outer shaft, two gear wheels in engagement with each other, the one of said two gear wheels being rigidly connected with said whirling end of said inner shaft and the second of said two gear wheels being mounted independently of said outer and inner shafts, and means adapted to restrain said second gear wheel from rotation.

2,547,166
INDEX CARD AND HOLDER THEREFOR
Melven V. Nelson and Ernest H. Seibert, Chicago, Ill., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1949, Serial No. 83,714
5 Claims. (Cl. 40—104)



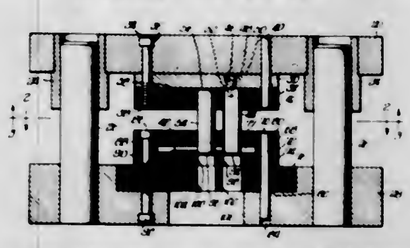
1. In an index having a base and a cover pivotally mounted in the base and spring-biased to open position, a plurality of alphabetically arranged index cards containing names, telephone numbers or other desired data, a plate mounted in the base and providing a card holder for supporting the index cards in pre-arranged and superimposed relation in the base, said plate having spaced curved tongues at one end providing a pivotal mounting for the cards upon the plate, open-ended slots in each card spaced similar to and adapted to receive the tongues, and oppositely opening slots in the curved tongues adapted to receive the slotted end of the cards and retain these cards upon the plate, but permitting removal or replacement of any card, as desired.

2,547,167
ALL-WEATHER RECORDING BOARD
John P. Nielsen, Bogalusa, La.
Application July 21, 1949, Serial No. 106,001
3 Claims. (Cl. 281—44)



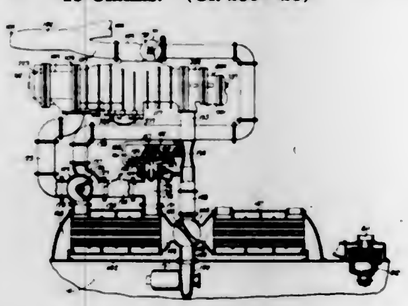
1. An all-weather recording board of the type having a cover detachably mounted thereon and spaced therefrom, comprising a flat upper surface, a spring actuated clip on said board for supporting a record on said upper surface, said board having an upper end, an opening in said board between said upper end and said spring clip to permit access to said spring clip by a hand of the user of the board in order to change a record, said board having vertical sides for supporting the board on a desk or the like, a hand-hold secured to the under side of said upper surface, at least one of said sides having a cut-away portion adjacent said hand-hold to permit access to said hand-hold by a hand of the user of the board.

2,547,168
LAMINATED DIE
Richard G. Nill and Frederick J. Patterson, Fort Wayne, Ind., assignors to Fort Wayne Tool, Die and Engineering Company, Fort Wayne, Ind., a partnership
Application October 18, 1945, Serial No. 623,034
27 Claims. (Cl. 164—29)



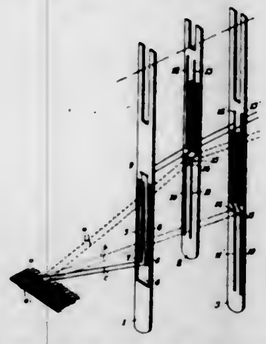
1. A die member comprising suitably shaped, juxtaposed laminations, integrally connected by brazing means, said laminations being positioned prior to brazing, by members formed into part of the die member after brazing.

2,547,169
PRESSURE PROVIDING DEVICE
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original application April 9, 1943, Serial No. 482,422. Divided and this application November 23, 1944, Serial No. 564,854
15 Claims. (Cl. 230—26)



1. In combination, in a supercharger, means forming a pair of intersecting rotor chambers, means forming another pair of intersecting rotor chambers, the chambers of one pair alined with the chambers of the other pair, helically formed rotors within said first chambers, oppositely helically formed rotors in said second chambers, common shafts for the alined rotors, and means including valve means for selectively connecting the adjacent ends of said rotors in communication with each other, or the remote end of one pair of rotors with the nearer end of the other.

2,547,170
CENTER SELVEDGE FORMING DEVICE
Jaime Picanol, Ypres, Belgium
Application September 30, 1947, Serial No. 777,058
In Belgium November 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1963
4 Claims. (Cl. 139—54)



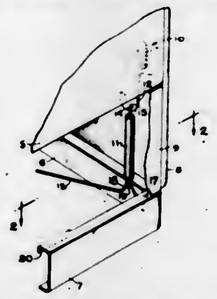
1. In a device for making the cutting portions of slit-up fabrics, the combination of three up and down movable rods, one rod carrying eye-needles and controlling the up and down movement of a first pair of warp yarns, one of the two other rods having means for controlling the up and down movement of a second pair of warp yarns and, simultaneously, the transverse movement of a third pair of warp yarns, the second one of said two other rods having means for controlling the transverse movement of the second pair of warp yarns and the up and down movement of the third pair of warp yarns, means for supporting said rods, and means for moving said rods up and down.

2,547,171
SNAP SWITCH
Robert E. Prouty, Logansport, Ind., assignor to Essex Wire Corporation, Logansport, Ind., a corporation of Michigan
Application October 31, 1947, Serial No. 783,412
4 Claims. (Cl. 200—122)



1. In a switch, in combination, a single wall support, a bracket fastened to said support, a leaf spring secured in cantilever fashion at one end to said bracket so as to lie along one side but spaced from said support, a pair of contacts one being stationarily mounted and the other being mounted at the other end of said spring for movement therewith and relative to the one contact, a permanent magnet having an aperture therein mounted in said support, a non-magnetic actuator slidingly journalled in the aperture of said magnet transversely of said support, an armature carried by said actuator and movable therewith toward and away from said magnet, a bimetallic blade engageable with said actuator slidingly to move the latter relative to said magnet, said actuator being engageable with said spring to effect resilient movement of the latter and of said other contact relative to said one contact, and a push button for moving said actuator through said magnet.

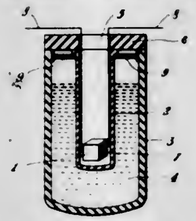
2,547,172
SPRING ANCHORING MEANS FOR OVEN DOORS
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application April 6, 1948, Serial No. 19,388
4 Claims. (Cl. 126—191)



1. In a stove, the combination of a frame, a door pivotally supported on said frame to swing

about a horizontal axis, counterbalancing means for said door including an elongated contractile spring anchored at one end to the door, and means for anchoring the other end of said spring to the stove frame comprising a lever fulcrumed at one end on said frame and having the other end releasably secured to the frame, said spring being secured to said lever closely adjacent its fulcrum to facilitate tensioning of the spring while it is being anchored to the frame.

2,547,173
LONG WAVE LENGTH INFRARED RADIATION DETECTOR
Edmund S. Rittner, White Plains, N. Y., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y.
Application March 9, 1950, Serial No. 148,693
5 Claims. (Cl. 201—63)



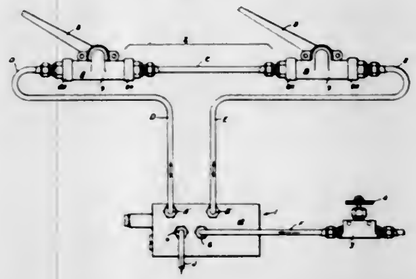
1. A detector for long wave-length infra-red radiation comprising an impurity semi-conductor having a discrete energy level 0.04 to 0.06 electron volts removed from a given energy band, means to maintain said semi-conductor at a surrounding temperature equal substantially to that of liquid hydrogen, means to expose one surface of the semi-conductor to a heat radiator emitting long wave-length infra-red radiation, and means to measure the change in conductance of said semi-conductor upon exposure of the said surface thereof to the heat radiator.

2,547,174
FUEL INJECTOR MECHANISM
Gardiner M. Rogers, Ithaca, N. Y.
Application July 3, 1946, Serial No. 681,329
3 Claims. (Cl. 103—41)



1. A fuel injector pump of the reciprocating type, comprising a cylinder which is closed at one end and a plunger fitting the cylinder to form a pressure chamber at the closed end and retractable to a predetermined position away from the closed end to commence its pressure stroke, a supply port intersecting the cylinder beyond the end of the plunger in its retracted position, two axially spaced circumferentially extending valving cavities in the plunger continually communicating with each other and with the pressure chamber, a delivery port intersecting the cylinder and located so as to be opened by one of the cavities to commence injection, the other cavity being located so as later to open the supply port for fuel-spill to terminate injection and restricted fuel-venting means connected with the pressure chamber during the pressure stroke of the plunger and controlling the injection pressure of the pump.

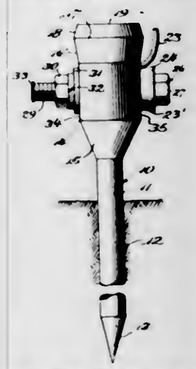
2,547,175
WINDSHIELD WIPER MECHANISM
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 30, 1947, Serial No. 794,551
9 Claims. (Cl. 60—97)



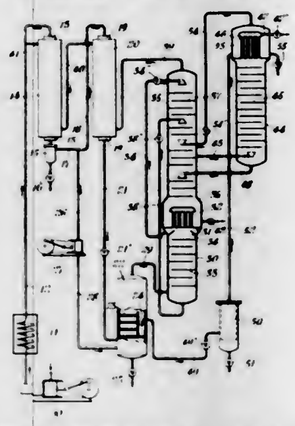
1. A pressure sensitive fluid circuit establishing valving mechanism comprising two valves, biasing means initially maintaining the valves in a first circuit-establishing initial position, means whereby a rise in pressure of fluid in the established circuit moves the valves into a second circuit establishing position, valve-position-retaining means rendered operative by said movement of one of the valves to hold the other valve in its moved position, and means operated by a rise in pressure in the second established circuit to release the position-retaining means and enable return of both valves by their biasing means to their initial position.

2,547,176
DRIVEHEAD GROUNDING ROD
George C. Salmons, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application October 23, 1948, Serial No. 56,123
4 Claims. (Cl. 174—7)

1. In a drive head grounding rod, an integral member having a thin cylindrical shank with a sharp point, a round enlargement at the upper end of said shank, said enlargement being provided with a tapered through bore, and a wedging member of complementary shape located in said bore and having a through bore in said wedging member, a screw bolt in said wedging member having a nut engaging the side of said head, the head of said screw bolt enaging the larger end of said wedging member, there being a partially cylindrical groove located between said wedging member and the through bore in said enlargement for receiving and clamping a ground wire, the said groove being located in the wedging member and extending longitudinally of its tapered surface.



2,547,177
PROCESS OF AND APPARATUS FOR SEPARATING TERNARY GAS MIXTURES
Graham E. Simpson, White Plains, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 2, 1948, Serial No. 57,846
11 Claims. (Cl. 62—175.5)



1. Process for separating air by low temperature rectification to obtain oxygen, argon, and nitrogen products which comprises compressing, cooling, and drying air to eliminate substantially all the moisture therefrom; further cooling and partially liquefying such air; scrubbing the cooled gaseous portion of the air with the liquefied portion to provide an impurity-free gaseous fraction and an impurity-containing liquid fraction; rectifying said impurity-free gaseous fraction to form an oxygen product of desired purity and a cold gaseous nitrogen product; withdrawing from a zone of the main rectification where the argon content is high, a vapor comprising mainly oxygen and argon; subjecting such vapor to an auxiliary rectification by washing with a reflux liquid formed by partial liquefaction of vapor from said auxiliary rectification; producing said reflux by a heat exchange between vapor of said auxiliary rectification and said impurity-containing liquid fraction to substantially vaporize said fraction and form an impurity-containing concentrate; removing said concentrate; passing the impurity-free vapors from said vaporization to the main rectification; withdrawing an argon concentrate from said auxiliary rectification; and utilizing at least the nitrogen product for countercurrently cooling incoming air.

2,547,178
CARBONYLATION CATALYST RECOVERY
John A. Spence, Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 25, 1948, Serial No. 46,170
7 Claims. (Cl. 23—50)

1. The recovery of carbonyl-forming metal catalysts from the organic products of a catalytic conversion process employing said carbonyl-forming metal as an active catalyst component which comprises contacting said organic products with an oxygen-containing gas at a temperature below the effective oxidation temperature of said organic products for a period of time sufficient to oxidize the entrained metal compounds into a recoverable form and separating the resulting oxidized metal compounds from said organic products.

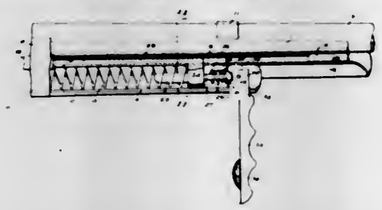
2,547,179
GUN FOR DISPENSING PLASTIC MATERIAL
Clem A. Strohmeier, Cleveland, Ohio, assignor of one-third to Arnold J. Rose and two-thirds to Melvin Rose
Application August 28, 1948, Serial No. 46,588
7 Claims. (Cl. 74—169)



1. In a dispensing gun for plastic material, said gun having a cylinder for holding said material, a piston in said cylinder for moving said material, and a piston rod extending axially of, and rearwardly from, said cylinder for reciprocating said piston, the improvement comprising in combination a feeding plate carried on said rod and adapted to frictionally grip and move said rod forwardly upon forward movement of the feeding plate and to free, and move relative to, said rod upon rearward movement of the feeding plate, a pair of bell-crank levers, said levers having inner arms extending toward each other and pivotally interconnected and having outer arms extending rearwardly of said gun and in hand-gripping relationship to each other whereby movement of said outer arms toward each other moves said inner arms forwardly, engaging means carried by one of said inner arms and adapted to engage and forwardly move said feeding plate upon forward movement of said inner arms, a pivot mounting for each of said bell-crank levers, a pair of support members extending rearwardly from said cylinder and each carrying one of said pivot mountings at a position rearwardly of said cylinder, said pivot mountings being movable relative to each other upon movement of said bell-crank arms, anchoring means carried by said cylinder for securing the forward end of each said support member to said cylinder, resilient means for resiliently urging said feeding plate and inner arms in a rearward direction, a detent plate carried on

said rod and adapted to frictionally grip and hold said rod against rearward movement upon rearward movement of the detent plate and to free, and move relative to, said rod upon forward movement of the detent plate, a releasing handle connected to said detent plate and disposed longitudinally of said gun, a pivot mounting for said detent plate, a support member extending rearwardly from said cylinder and carrying said pivot mounting at a position rearwardly of said cylinder, anchoring means carried by said cylinder for securing the forward end of said support member to said cylinder, and resilient means for resiliently urging said detent plate in a rearward direction, the arrangement of the feeding plate and detent plate being such that upon each movement of said outer arms toward each other the feeding plate moves the said rod forwardly free of said detent plate, and upon return movement of said outer arms away from each other the detent plate grips the said rod to maintain the advance gain made by said feeding plate.

2,547,180
RIFLE CONSTRUCTION
Frank S. Taylor, Glasgow, Mont.
Application December 20, 1948, Serial No. 66,231
2 Claims. (Cl. 42—16)

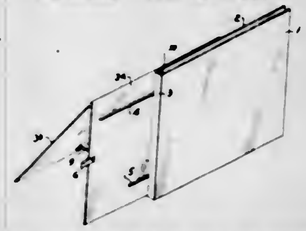


1. In a rifle construction, a frame, a barrel mounted on the frame, a spring retaining tube supported by the gun barrel in parallel spaced relation therewith, a breech block slidably mounted within the frame, spaced forwardly extended arms formed integral with the breech block, a reciprocating bridge secured between the arms, a piston head formed integral with said bridge, positioned within said tube, an actuating plunger slidably mounted in said tube in contact with said piston head, said plunger having an axial bore, a spring pressed headed pin movable within said bore the head of the pin extending beyond the plunger, a lever pivotally connected with the plunger, said tube having a slot through which said lever moves, a coiled spring within the tube against which the piston head engages, said lever being movable from a position parallel with the gun barrel, to a position at right angles with respect to the gun barrel, said headed pin engaging said lever restricting pivotal movement of the lever, and said lever and actuating plunger adapted to be moved rearwardly operating the breech block.

2,547,181
DISTILLATE SWEETENING PROCESS
Theodore B. Tom and Jack H. Krause, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 12, 1949, Serial No. 70,584
7 Claims. (Cl. 196—32)

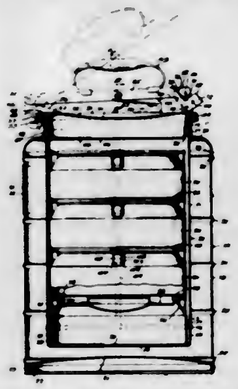
1. The process of sweetening a hydrocarbon oil that contains mercaptans which comprises extracting said oil with an aqueous caustic-methanol solution until the major part of the mercaptans are removed from the oil, separating substantially all the mercaptan rich solution from the oil, and contacting the extracted oil which still contains some caustic and methanol with a gas containing free oxygen until the oil is substantially mercaptan-free.

2,547,182
EASEL
George W. TurnBull, Detroit, Mich., assignor to Michigan Bookbinding Company, Detroit, Mich., a corporation of Michigan
Application August 17, 1950, Serial No. 180,001
4 Claims. (Cl. 281—33)



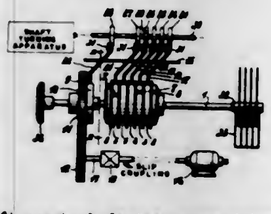
1. An easel comprising a pair of rectangularly shaped cover members foldable one upon the other after the manner of book covers, spaced headed elements secured to one of said cover members and projecting therefrom, a foldable supporting member of inverted V form when open having elongated slots in one leg thereof in which the headed elements are movably retained, and means interconnecting the legs of said supporting member to limit the extent of their separation.

2,547,183
CLOSURE FASTENER FOR FOOD STORAGE CONTAINERS
James A. Verheyden, Oak Lawn, and Frank Haloski, Chicago, Ill., assignors to Vacuum Can Company, a corporation of Illinois
Original application June 10, 1944, Serial No. 539,626. Divided and this application November 6, 1945, Serial No. 627,036
4 Claims. (Cl. 220—55)



1. A container having a mouth opening, and a laterally outwardly extending mouth flange surrounding said mouth opening, a cover for said container adapted to be seated on said mouth flange for closing said opening, a plurality of locking members pivotally mounted on said cover adjacent the periphery thereof and having lower end portions movable laterally inwardly and upwardly of said flange so as to be engageable with the bottom side of said flange for locking the cover to the container, a plurality of arms respectively pivotally connected to the upper end portions of said locking members and also to each other, the pivot connections between said arms and locking members being disposed in a plane common to all and the interconnected ends of said arms being movable transversely of said plane for effecting adjustment of said locking members to and from locking engagement with said flange, and releasable means for maintaining said locking members in locking engagement with said flange.

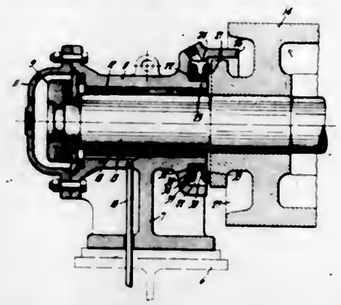
2,547,184
SHAFT CONTROL DEVICE
Wilhelmus Lambertus Vervest and Godfried Hendrik Waarlé, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 17, 1949, Serial No. 76,922
In the Netherlands March 19, 1948
6 Claims. (Cl. 74—10.2)



1. A shaft control device comprising a driven shaft, a plurality of arresting discs mounted on said driven shaft, a plurality of movable pawls arranged beside said driven shaft, means for selectively actuating any one of said movable pawls, driving means for said driven shaft, said driving means comprising a member which is connected to said shaft through a disengageable coupling, said disengageable coupling comprising movable means mounted on said member and movable to a position for rendering said disengageable coupling disengaged, abutment means mounted on said movable means, one of said pawls being actuatable to a position for engaging said abutment means and moving said movable means to said coupling disengaging position, the remainder of said movable pawls each being actuatable into operative engagement with a corresponding one of said arresting discs.

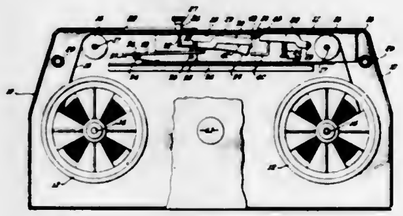
2,547,185
SHAFT SEAL
Edgar von Bolhar, Sausalito, Calif., assignor to Yuba Manufacturing Company, San Francisco, Calif., a corporation of California
Application May 27, 1947, Serial No. 750,736
2 Claims. (Cl. 286—11)

1. In combination, a shaft seal and a first element having a surface cylindrical about an axis and a radial surface and a second element having a radial surface opposite to and substantially parallel with said first-mentioned radial surface, said elements being relatively rotatable about said axis, said seal comprising a resilient ring having in axial cross section when free an arcuately curved base and oppositely facing, radially outwardly diverging exterior flanges with an annular groove between said flanges and when deformed by the distortion of said base into a right cylinder fitting said cylindrical surface



having said oppositely facing exterior flanges consequently distorted into substantial parallelism and engaging said radial surfaces in locations radially outward from said base.

2,547,186
MAGAZINE
Joseph B. Walker, Hollywood, Calif.
Application April 30, 1945, Serial No. 591,135
3 Claims. (Cl. 242—55)

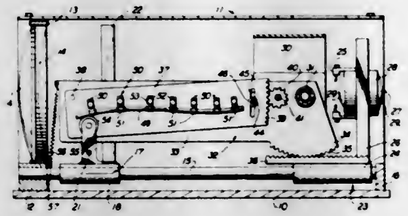


1. In a device of the character described, a casing having an opening therein, means including a pair of reels within the casing to support and move a length of tape adjacent said opening, a gate comprising a frame telescoped over said tape and slidable to and from a position opposite said opening to enclose the length of tape at said opening in a protective sheath, and means, operable in response to movement of said gate from closed position toward open position, to draw said length of tape taut.

2,547,187
LENS ADJUSTING MECHANISM
Joseph B. Walker, Hollywood, Calif.
Application January 24, 1949, Serial No. 72,508
7 Claims. (Cl. 88—57)

1. In a lens system, a supporting member, a first lens, and a second lens, means to slidably support and maintain said lenses, axially coincident, upon said supporting member for movement in directions toward and away from one another, a bell crank pivoted upon said supporting member and comprising a long arm and a short arm, a cam carried by said long arm, a cam follower connected to said first lens to engage said cam and in response to movement of said last-named lens to shift said bell crank, and means actuated in response to movement of said

bell crank, connected to the short arm of said bell crank and to said second lens to shift the

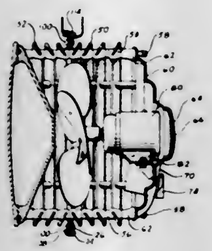


latter in a direction axially coincident with said first lens.

2,547,188
PROCESS AND REAGENTS FOR RESOLVING EMULSIONS
Truman B. Wayne, Houston, Tex.
No Drawing. Application November 20, 1942, Serial No. 466,527
18 Claims. (Cl. 252—336)

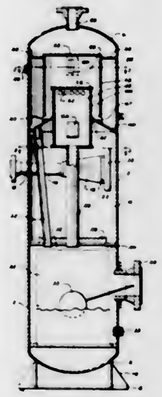
1. A composition for resolving a petroleum emulsion and dispersible in such an emulsion, which comprises as a component, a water-wettable, interfacial and surface-active condensation product of a polybasic carboxy acid and a hydroxylated amino compound derived initially by a reaction selected from the group consisting of amidification, esterification and soap-formation between a detergent-forming acid and a hydroxy amine.

2,547,189
WINDOW VENTILATOR
William W. Welch, Sr., Cincinnati, Ohio
Application September 29, 1947, Serial No. 776,650
13 Claims. (Cl. 98—94)



1. A ventilating fan assembly having a fan driven by an electric motor, the combination including a vertically disposed baffle having an air circulating opening therein, a plurality of identical hoops arranged side by side, some of the hoops being mounted on one side of the baffle and other hoops on the opposite side of the baffle so that the hoops surround the fan and the motor, the opening through the hoops registering with the opening in the baffle, means for clamping the hoops and the baffle into a rigid structure, and means for supporting the motor within the hoops, said means including a ring extending over the opening in the end of the hoops, said ring being provided with a motor supporting bracket, so that the fan circulates air through the opening in the baffle.

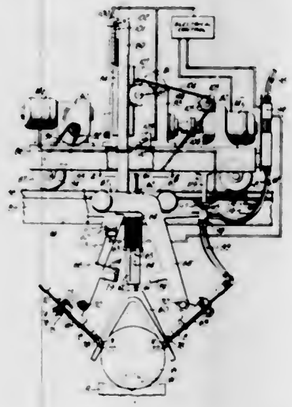
2,547,190
OIL AND GAS SEPARATOR
Samuel A. Wilson, Shreveport, La., assignor to Maloney-Crawford Tank and Manufacturing Company, Tulsa, Okla., a corporation of Delaware
Application January 23, 1946, Serial No. 642,966
7 Claims. (Cl. 183—2.7)



1. In an oil and gas separator comprising a vertical tank, fluid inlet means extending through the sides of the tank and comprising an inlet pipe extending substantially transversely into the interior thereof, a flared nozzle cooperating with the pipe to provide a narrow vertical opening for effecting initial separation of the influent mixture, a plate extending from the nozzle on a gradually increasing radius for directing the separated influent mixture in a helical path within the tank, a horizontal baffle disposed in the lower portion of the tank for receiving the fluid therefrom, a serrated projection provided on one edge of the baffle, said edge being spaced from the inner surface of the tank, a vertical baffle arranged below the serrated edge of the horizontal baffle to provide a lower chamber for receiving fluid discharging over the serrated projection, a mist extractor unit arranged in the upper portion of the tank for separating fluids entering the extractor unit from the tank and outlet means for the separated fluids.

2,547,191
METHOD AND APPARATUS FOR CUTTING FERROUS METAL BAR STOCK
Lloyd W. Young, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Original application November 7, 1939, Serial No. 303,188. Divided and this application February 25, 1944, Serial No. 523,856
13 Claims. (Cl. 148—9.6)

7. In a blowpipe apparatus for cutting elongated metal stock, in which a track is adapted to be disposed in a plane above and parallel to the stock to be operated upon; and carriage means are mounted to travel along said track; the improvement which comprises blowpipe carrier arms pivotally supported by said carriage means and depending therefrom; blowpipes carried by said blowpipe carrier arms adapted to direct oxidizing gas streams simultaneously against surface portions on opposite sides of said stock to produce kerfs therein; means on said blowpipe carrier arms adapted to engage the surface of said stock for maintaining said blowpipes at a predetermined distance from the surface of said stock; means for raising and lowering said blowpipe carrier arms about their pivots on said carriage means; means for causing said blowpipe carrier arms to move said blowpipes along the surface of said stock toward and away from each other in a plane transverse to the longitudinal



axis of said stock; means on one of said arms adapted to engage an abutment moving with the other of said arms for interrupting the advance of one of said blowpipes at a predetermined point; means for automatically shutting off the oxidizing gas stream of said blowpipe at said point; and means for continuing the advance of the other of said blowpipes at least until the kerfs produced meet.

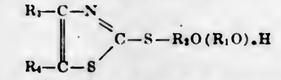
2,547,192
RIGHT AND LEFT TURN SIGNAL FOR AUTOMOBILES
Paul H. Zentner, Milwaukee, Wis.
Application October 22, 1949, Serial No. 123,030
1 Claim. (Cl. 177—329)



A right and left signal unit for automobiles, comprising a cylindrical casing, having open ends provided with peripheral pins and inturned lips, a tubular shank extending from the rim of the casing, having a threaded end for the reception of the shank and socket of an electric lamp, a threaded end apertured base pad fitted to the threaded end of the sleeve and flanged rings having lenses fitted therein engageable with the casing lips, the peripheral flange of said rings being provided with bayonet slots engageable with the cylindrical casing pins, said lenses being provided respectively with right and left hand signal indicia.

2,547,193
PICKLING OF METALS
Richard O. Zerbe, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 13, 1949, Serial No. 87,347
20 Claims. (Cl. 252—150)

1. A process of pickling a ferrous metal which comprises subjecting the metal to be pickled to the action of a non-oxidizing mineral acid solution containing a small proportion sufficient to inhibit the action of the acid on ferrous metals of a compound of the structure

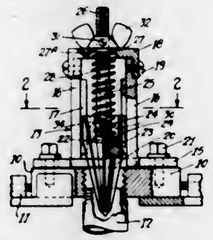


where R_1 and R_2 are alkylene groups, where n is an integer greater than one but not more than thirty, and where R_3 and R_4 are selected from the group consisting of hydrogen atoms and hydrocarbon groups containing not more than seven carbon atoms but where no more than one of the group consisting of R_3 and R_4 can be hydrogen.

2,547,194
SHORTSTOPPING AGENTS IN EMULSION POLYMERIZATION
Ferdinand B. Zienty, Brentwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 23, 1949, Serial No. 117,512
6 Claims. (Cl. 260—45.9)

1. The method of making an improved synthetic rubber prepared in an aqueous emulsion and consisting predominantly of a butadiene hydrocarbon which comprises adding a nitro substituted aromatic hydrocarbon thiocyanate containing not more than two nitro groups to the emulsion of the synthetic rubber at the end of the polymerization period whereby additional polymerization of the monomers and cross-linking of the polymer molecules are substantially prevented and a stabilized rubber-like polymer possessing improved working properties is obtained.

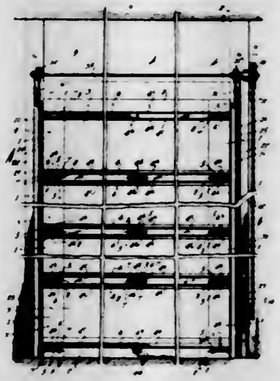
2,547,195
PIPE REAMING AND BURRING ATTACHMENT FOR STOCK AND DIE IMPLEMENTS
Thomas A. Caliendo, South Ozone Park, N. Y.
Application December 16, 1948, Serial No. 65,656
1 Claim. (Cl. 77—73)



A reamer adapted to be mounted on a pipe threading implement for burring the open end of the pipe during a threading operation comprising a frame, including a yoke portion, means for demountably securing the frame to the implement, a cutter having a recess in the top face

thereof, a threaded spindle secured in the recess and extending upwardly out of said cutter, a sleeve threaded over said spindle and projecting upwardly through a hole in the frame the lower end of the sleeve being shaped to provide a collar and the upper end being externally threaded, a thumb nut on said upper threaded end above said frame, means for securing the nut to the sleeve whereby the latter can be moved axially of the spindle to raise and lower the cutter and to vary the work engaging pressure thereof, and coacting means on the cutter and on the frame for preventing turning movement of the cutter relatively to the frame.

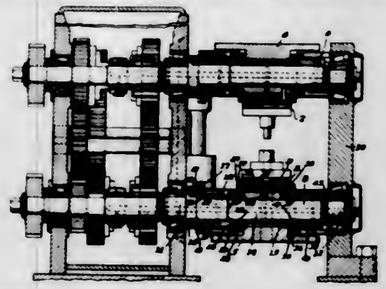
2,547,196
OVERHEAD DOOR
Henry B. Clark, Elizabeth, N. J.
Application July 1, 1947, Serial No. 758,439
2 Claims. (Cl. 268—74)



1. A door comprising a frame, a door panel vertically movably mounted therein, a rotatable shaft on said frame above and extending across the door opening, ratchet teeth on said frame adjacent the lower end of each side thereof, a pawl pivoted to each side of said door adjacent its lower edge and adapted to swing by gravitational action into engagement with said teeth for locking the door panel against upward movement, a spring tensioned chain having driving engagement with said shaft and connected to each pawl for holding the pawl normally out of engagement with the adjacent ratchet teeth on the frame, and means for rotating said shaft so that upon rotation in one direction after the door is closed, the tension on said chains will be relieved to permit said pawls to engage said ratchet teeth and lock the door, and means releasably locking said shaft in the position to cause engagement of said pawls with said ratchet teeth.

2,547,197
ECCENTRIC ADJUSTING MECHANISM
Guy O. Conner, Cleveland Heights, Ohio, assignor, by mesne assignments, to Danly Machine Specialties, Inc., a corporation of Illinois
Application August 17, 1945, Serial No. 611,080
25 Claims. (Cl. 74—571)

1. Mechanism of the class described comprising a shaft having thereon two eccentrics whose high points are disposed substantially in opposite directions from the shaft axis, an eccentric sleeve mounted and adjustably turnable on each eccentric, the eccentric sleeves being disposed relatively to the respective eccentrics on which they are mounted so that when one of the eccentric sleeves has its high point in the same plane containing and in the same direction from the shaft axis as the high point of the eccentric on which it is mounted the other eccentric sleeve is substantially similarly disposed relatively to the eccentric on which it is mounted, and means separate from the shaft connected with the re-



spective eccentric sleeves operated by adjustably turning one of the eccentric sleeves on the eccentric on which it is mounted effective to turn the other eccentric sleeve on the eccentric on which it is mounted to such an extent that the resultant high points of the respective eccentric and eccentric sleeve combinations are always disposed substantially in opposite directions from the shaft axis.

2,547,198
IMPLEMENT FOR SETTING JEWEL PINS
John Ernest De Venne, Waltham, Mass.
Application March 9, 1949, Serial No. 80,393
6 Claims. (Cl. 81—7)

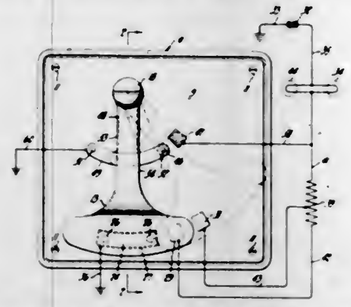


1. In combination in an implement for setting the jewel pin of a roller-type escapement mechanism, a rigid base plate, a handle bar fixed to the underside of the base plate, a handle mounted on the free end of the handle bar, opposed jaws movably mounted on the upper side of the base plate, one of said jaws being movable relatively to the other, a manually actuable lever for separating the jaws, a spring urging the jaws toward each other, the opposed faces of the jaws being shaped to receive and to grip a jewel pin between them, and means for positioning the lower end of a jewel pin gripped between the jaws.

2,547,199
ELECTRIC SIGNAL SWITCH
John Dezzani, Los Angeles, Calif., assignor to All-American Novelty Company, Inc., a corporation of California
Application December 5, 1947, Serial No. 789,942
7 Claims. (Cl. 200—52)

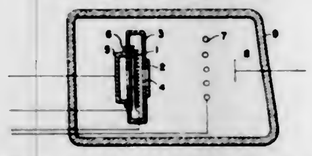
7. In a vehicle stop signal device, an electric switch mechanism adapted for mounting on a movable support subject to acceleration and deceleration comprising, a pendulum mounted to swing to opposite sides of its rest position in a plane parallel to the direction of movement of the vehicle in response to deceleration and acceleration of said vehicle, an electric switch contact carried by said pendulum, a plurality of stationary electric switch contacts mounted in the path

of movement of said first contact and successively engageable therewith upon predetermined amounts of deceleration, a second set of electric contacts, means having a lost motion connection to said pendulum and operated thereby upon an amonut of deceleration greater than the afore-



said amounts to close said second contacts and operative to retain said second set of contacts in closed position upon return of said pendulum to its rest position, said lost motion connection operating to displace said means to open said second set of contacts upon movement of said pendulum in response to acceleration.

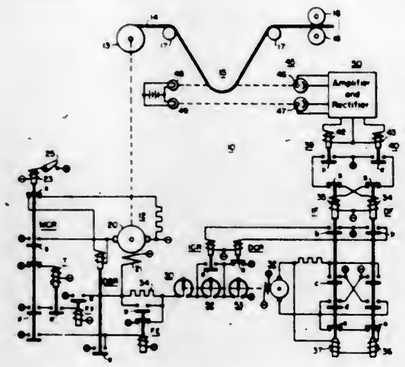
2,547,200
GETTER STRUCTURE FOR ELECTRIC DISCHARGE TUBES
Eduard Gerardus Dorgelo, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 22, 1946, Serial No. 711,636
In the Netherlands September 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1965
7 Claims. (Cl. 313—174)



1. An electron discharge tube having an electrode system comprising a cathode provided with an emissive surface and means for forming into a beam the electrons emitted from said surface, said cathode having an aperture through which ions travelling in a direction opposite to that of the electrons in the beam are capable of traversing the cathode without striking the emissive surface, and an ion getter member disposed behind said aperture.

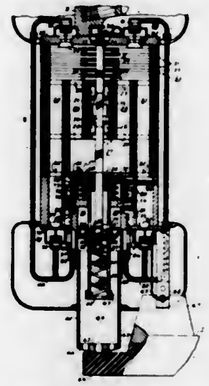
2,547,201
LOOP CONTROL SYSTEM
Hugh S. Fegely, Snyder, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1949, Serial No. 102,238
6 Claims. (Cl. 318—480)

1. A control system for a motor disposed in driving relation with a reel for winding a strip of material having a loop therein, comprising, a pair of vertically spaced photo-sensitive devices and light sources disposed in selective interfering relation with the loop, a principal motor operated rheostat connected to vary the field excitation of the motor in opposite senses, switch means selectively responsive to interference of the loop with the light beams between the photo-sensitive devices and their light sources to effect operation of the rheostat motor in opposite senses, an auxiliary rheostat connected in driving relation with the rheostat motor, said rheostat being disposed



for connection in circuit relation with the principal rheostat and disposed to maintain a predetermined ratio relationship with the principal rheostat, and circuit means including contact means of said switch means disposed to control the connection of said auxiliary rheostat in circuit relation with the principal rheostat.

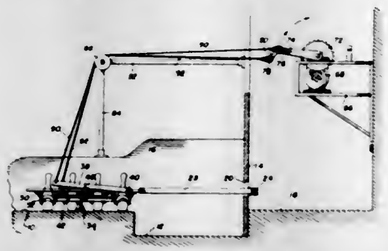
2,547,202
OIL CIRCUIT INTERRUPTER
Robert E. Friedrich, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,569
6 Claims. (Cl. 200—150)



6. A liquid break arc-extinguishing unit having contact means including a movable contact member separable to establish an arc, a hydraulic operating mechanism for the movable contact member including an operating piston operatively connected with the movable contact member, an operating cylinder within which the operating piston moves, a movable pumping piston for forcing liquid into the operating cylinder to effect thereby opening motion of the operating piston and movable contact member, means biasing the pumping piston in a direction to separate the contact means, an actuating member

to charge the pumping piston during the closing operation of the unit against said biasing means, venting means for the arc-extinguishing unit, and means whereby the pumping piston opens the venting means near the end of its opening motion in said direction to vent the unit.

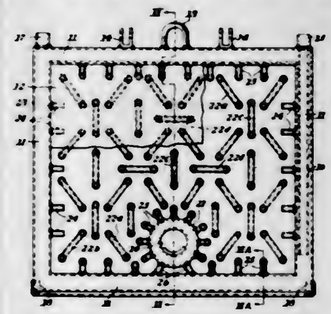
2,547,203
PIN SETTING MACHINE
Charles E. Goff, Sherrill, N. Y.
Application November 27, 1946, Serial No. 712,703
3 Claims. (Cl. 273—42)



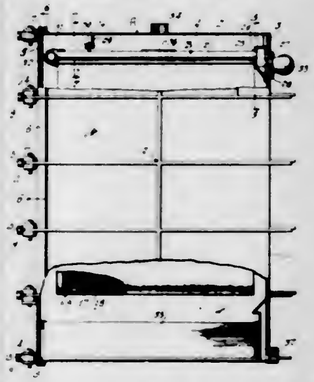
1. In a pin setter, a rack having apertures for receiving a plurality of bowling pins in predetermined relation, a frame, means carried by and depending from the rack for slidably guiding vertical movement of the frame relative to the rack, a release element pivoted to said rack and connected to said frame for selectively raising and lowering said frame relative to said rack, pairs of jaws pivoted to said rack with the jaws of each pair normally urged towards each other to grip a bowling pin therebetween, and release means carried by said jaws engaging said frame and responsive to upward movement of the frame relative to the rack to release said jaws, and operating means for said rack and said release element comprising a rotatable rigid member, means for effecting rotation of said member, first and second holders carried by said rotatable member, said second holder being further from the axis of rotation than said first holder, one of said holders angularly trailing the other, a first flexible connector connecting said rack to said second holder, and a second flexible connector connecting said release element to the first mentioned holder for synchronized actuation of said rack and releasing element upon rotation of said rotatable member.

2,547,204
FURNACE DOOR OR THE LIKE
Raymond B. Groetzinger, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application April 1, 1944, Serial No. 529,059
3 Claims. (Cl. 122—498)

1. In a water-cooled hollow metal furnace door for an open-hearth furnace or the like, a hollow double-walled panel having a generally vertical inner wall and a generally vertical back between which a relatively large volume of cooling water is adapted to be circulated, said panel further having a hollow peripheral inwardly extending marginal flange defining with the inner face of said inner wall a refractory lining space of a predetermined thickness adapted to be filled with a plastic refractory lining, a plurality of relatively short cooling water pipe lengths in a predetermined pattern connected to said inner wall and extending inwardly thereof to lie within said lining space, at least some of said pipe lengths being at an angle to the horizontal, said pipe lengths having the respective ends thereof opening into the interior of said hollow double-walled panel, said pipe lengths further extending relatively close to the plane defined by the face of said flange, whereby said pipe lengths interlock, anchor and cool said refractory lining during the service thereof.



2,547,205
FILTER APPARATUS
Elvin E. Hallander, West Caldwell, N. J., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application September 3, 1947, Serial No. 771,904
6 Claims. (Cl. 210—181)



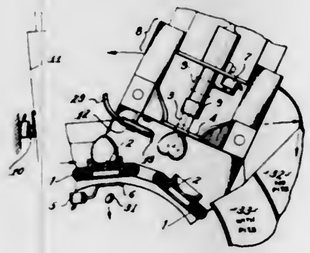
1. A filter comprising a tank having an inlet, a door in a vertical side wall and discharge passages at the side of the tank opposite said door, flat filter elements insertable edgewise into and from said tank through said door and each including a flat rigid foraminous frame and a filter bag fitted thereover and having its mouth disposed adjacent the upper edge of said frame, means for suspending said filter elements at their upper edges in said tank so that said elements are held in vertical planes perpendicular to the plane of said side wall, said last-named means including a tubular header for each filter element having a longitudinal slot, each filter element being slidable edgewise into said slot of the corresponding header with the mouth of the corresponding filter bag opening into said tubular header, one end of each header being connected to one of said discharge passages in the tank, and a seal cap at the other end of each header.

2,547,206
PASTRY PRODUCTS AND PREPARATION THEREOF
Nathaniel A. Hanau, Essex Fells, N. J.
No Drawing. Application June 3, 1950, Serial No. 166,055
12 Claims. (Cl. 99—92)

1. The method of protecting unbaked pastry dough from deterioration resulting from contact with a pastry filling composition for a period of days at room temperature which comprises interposing between the dough and the filling composition a thin coherent layer of an edible fat which is substantially non-liquid at room temperature.

7. An unbaked pastry product the dough of which, when baked after standing for days at room temperature in contact with the pastry filling, has substantially the same quality and freshness as if baked immediately after being made, said product comprising a pastry filling composition and a layer of pastry dough in contact therewith, the dough being protected while in its unbaked condition against deterioration resulting from contact with said filling composition for a period of days at room temperature by the presence therebetween of a thin coherent layer of an edible fat which is substantially non-liquid at room temperature.

2,547,207
PIT INSPECTOR
Keith K. Harworth, Menlo Park, and Randall U. Temby, Sunnyvale, Calif.
Application March 30, 1948, Serial No. 17,838
5 Claims. (Cl. 146—19)

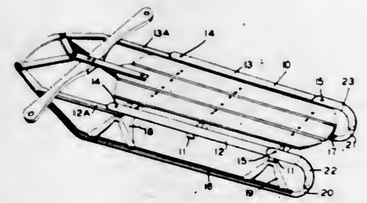


1. In a fruit pitting machine having fruit receptacles progressing serially under a reciprocating pitting blade operating through a stripper plate, means for moving said pitting blade through said fruit to normally force a pit through a bottom aperture in a receptacle, electrical sensing switch for detecting the emergence or non-emergence of a pit from said fruit, a jet directed at a fruit just being removed from said blade by said stripper plate after the pitting operation, an air valve connected to said jet and to a source of air under pressure, an electrical circuit partially completed only when said sensing switch has been closed and a firing switch cooperating with said knife to complete said circuit to operate said air valve when said fruit drops from said blade whereby said fruit is transported away from said blade by the air emerging from said jet.

2,547,208
METHOD FOR THE REFINING OF TALL OIL SOAP
Torsten Hasselstrom and Michael Stoll, New York, N. Y., assignors to U. S. Industrial Chemicals, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application June 26, 1947, Serial No. 757,329
6 Claims. (Cl. 260—97.7)

1. The method of refining an aqueous solution of a tall oil soap comprising 25% to 70% water and also containing undesirable non-saponifiables and color bodies, which method comprises dissolving said aqueous solution to form a single phase in a dialkyl ketone which is liquid at ordinary temperatures and which, at ordinary temperatures, is soluble in water to the extent of about 0.2% to about 10% by weight and thereafter separating the ketone solution into a ketone layer containing the major portion of the non-saponifiables and color bodies and an aqueous layer containing the major portion of the tall oil soap by adding further water to the said ketone solution.

2,547,209
SAFETY GUARD FOR COASTING SLEDS
Max A. Holbrook, Coldwater, Mich., assignor to Pratt Manufacturing Company, Coldwater, Mich., a limited copartnership
Original application June 13, 1941, Serial No. 397,847. Divided and this application April 14, 1945, Serial No. 588,354
1 Claim. (Cl. 280—12)

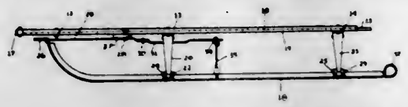


A sled construction comprising a top deck having a transverse bolster, a pair of side rails extending along the sides of said deck and terminating in rearwardly extending ends, said rails being positioned respectively on the opposite ends of said transverse bolster, a pair of runners underlying said rails and being connected to said deck and terminating in rearwardly extending upturned free ends, a pair of guard members for protecting the user of the sled from bodily contacting the rearward ends of said side rails and runners, each of said guard members having its one end telescoped over one of the rearwardly extending ends of said rails and its other end telescoped over the upturned free end of the corresponding underlying runner, and means securing each of said rails and its respective guard member to the said transverse bolster.

2,547,210
COASTING SLED
Max A. Holbrook, Coldwater, Mich., assignor to Pratt Manufacturing Company, Coldwater, Mich., a limited copartnership
Application July 28, 1945, Serial No. 607,591
8 Claims. (Cl. 280—21)

1. In a coasting sled, a rigid deck, rigid runner supporting knees extending downwardly

from said deck, a pair of flexible runners pivotally connected at the lower ends of said knees for rotatable movement about axes parallel to the longitudinal axes of said runners to permit a pivotal banking action in steering, means to effect a bowing movement of said runners in steering and including a cross head pivotally secured to the forward ends of each of said flexible



runners so as to permit said pivotal banking action, steering means operatively connected with said cross head and runners for bowing the forward portions of the latter by pivoting said cross head about a vertical axis passing through said steering means rearward from said crosshead and for simultaneously pivotally banking said runners.

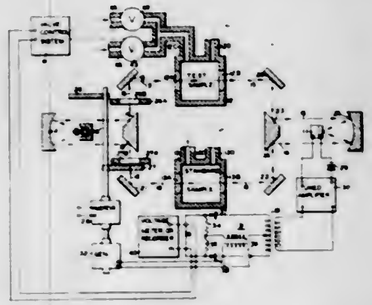
2,547,211
WORK STOP
Stanley H. Holmes, Chicago, Ill.
Application January 9, 1946, Serial No. 639,985
3 Claims. (Cl. 90—59)



3. A work stop including a member adapted to seat upon a work bed or the like, a work-engaging member having a rocking ball-and-socket interfitting connection with said first mentioned member, said connection constituting the means for supporting the work-engaging member above the level of said bed whereby said work-engaging member is rockable from any point around a circle in a direction generally toward and away from said bed, said work-engaging member having a radially outwardly projecting work-engaging edge portion disposed below a horizontal plane passing through the rocking center of the work-engaging member, whereby a work thrust against said edge portion and toward said first mentioned member tends to rock said work-engaging member toward said bed and maintain the work on the latter.

2,547,212
APPARATUS FOR DETERMINING THE COMPOSITION OF A SUBSTANCE
Noel C. Jamison, Otto G. Koppius, and Thomas R. Kohler, Irvington on Hudson, N. Y., and James G. Black, Richmond, Ky., assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y.
Application January 17, 1948, Serial No. 2,953
6 Claims. (Cl. 250—83.3)

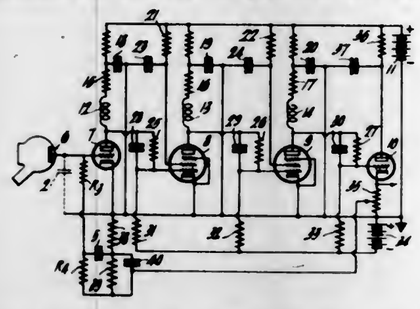
1. An infra-red analyzer comprising a first concave spherical mirror, a source of infra-red radiation positioned at the focal point of said first spherical mirror, the rays from a common area in said source being cast on said first spherical mirror and being reflected thereby as a substantially collimated main beam, a first double surface reflector disposed in the path of said main beam and arranged to split said main beam into separate first and second analyzing beams of equal intensity, first and second cells for containing an unknown sample of a substance being tested and a standard sample respectively, said cell having front and back windows permitting the passage therethrough of radiation, a second concave spherical mirror, a bolometer disposed at the focal point of said second spherical mirror, a second double surface reflector, means for directing said first analyzing beam from one surface of said first double reflector through said first cell and onto one surface of said second double reflector, means for directing said second analyzing beam from the other surface of said first double reflector through said second cell and onto the other surface of said second double reflector, said second double reflector being arranged to project said first and second analyzing beams in parallel paths onto said second spherical mirror whereby said first and second analyzing beams are concentrated on said bolometer,



shutter means for alternately blocking said first and second analyzing beams, a direct-current source connected in series with said bolometer to produce an output voltage whose amplitude varies in accordance with the change in intensity of said first analyzing beam resulting from absorption by said first cell and the change in intensity of said second beam resulting from absorption by said second cell, means to generate a reference voltage of predetermined amplitude and phase and having a frequency corresponding to said predetermined frequency, and a phase discriminator for comparing the phase and amplitude of said output voltage relative to said reference voltage to produce a measuring voltage in accordance with the phase and amplitude of said output voltage.

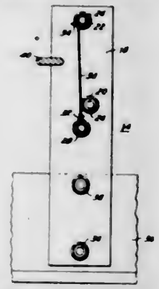
2,547,213
NEGATIVE FEEDBACK AMPLIFIER
Leonard Reginald Joffre Johnson, Harlington, Dennis Godson Holloway, Maidenhead, and Eric Lawrence Casling White, Iver, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application April 22, 1947, Serial No. 743,096
In Great Britain May 17, 1946
1 Claim. (Cl. 179—171)

An electric circuit comprising an amplifier having at least a grid and a cathode, said cathode being connected to a fixed potential, a source of negative feedback potential, a first impedance and a second impedance connected in series between said source and said cathode, a third impedance and a fourth impedance connected in series between said source and said grid, a condenser connected between said source and the junction of said first and second impedances, and another condenser connected between the junction of said first and second



impedances and the junction of said third and fourth impedances.

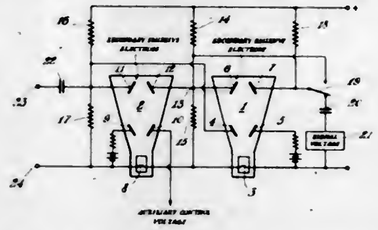
2,547,214
CONTACT DEVICE
Maurice F. Jones and Ruel C. Jones, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1947, Serial No. 741,910
10 Claims. (Cl. 200—52)



9. In an electric switching device, spaced line terminals, an insulated support offset laterally and longitudinally beyond said terminals, a roll of flexible and conducting wire rotatably mounted on said support, manually releasable means for preventing rotation of said roll on said support so that said wire may extend from said roll directly to and be bent about the more remote of said line terminals but being otherwise unsecured thereto, so that when the wire is engaged at an intermediate point by an actuating member it will flex to engage the other of said terminals while remaining in frictional engagement with said remote terminal so that said terminals are bridged, and thereafter it will be pulled out of engagement with at least said more remote line terminal.

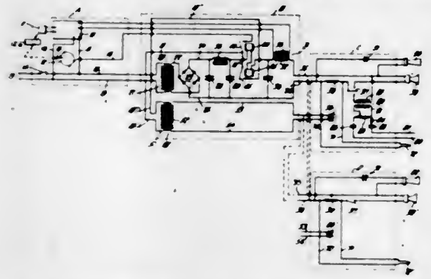
2,547,215
CIRCUIT ARRANGEMENT FOR TRANSMITTING A SIGNALING VOLTAGE UNDER CONTROL OF AN AUXILIARY VOLTAGE
Johan Lodewijk Hendrik Jonker and Willem Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1949, Serial No. 76,462
In the Netherlands April 20, 1948
3 Claims. (Cl. 315—9)

1. Switching apparatus responsive to a control voltage for conveying an electrical signal comprising first and second electron relay tubes each including a cathode to generate a primary electron beam, a beam deflecting element and two spaced collecting electrodes one of which acts as an auxiliary cathode emissive of a secondary electron stream when impinged on by said primary beam, the other electrode acting as an anode for said secondary electrons, the secondary electron stream defining a switching path between the auxiliary cathode and the anode, the auxiliary cathode of said first tube being con-



nected to the anode of said second tube whereby the switching paths of said tubes are serially connected, means to apply the control voltage to the deflecting element of said second tube to deflect the beam therein onto the auxiliary cathode thereof, means connecting the auxiliary cathode of said second tube to the deflecting element of said first tube, means to apply said electrical signal to the anode of said first tube, and means to obtain said electrical signal from the auxiliary cathode of said second tube.

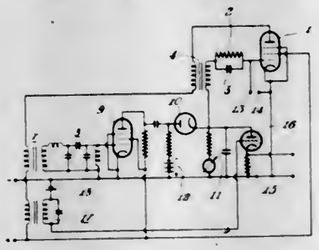
2,547,216
REMOTE CONTROLLED RECORDING MACHINE
Richard Kobler, San Francisco, Calif.
Application October 8, 1946, Serial No. 701,896
12 Claims. (Cl. 179—6)



1. An arrangement for recording sound from a remote point including a centrally positioned recording machine having an electronic amplifier, a motor and a normally interrupted power supply circuit therefor; a remotely positioned resistance type microphone; a communication circuit including said microphone and inductively coupled to said amplifier, said communication circuit comprising a source of D. C. voltage, a first relay, a second relay requiring stronger current flow for activation than said first relay, and associated with said microphone means for regulating the current flow in said communication circuit and a visual signalling device having a normally interrupted power supply circuit; said first relay being adapted to close the power supply circuit for said signalling device in response to current flow in said communication circuit

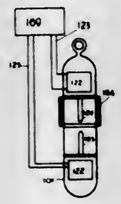
and said second relay being adapted to close the power supply circuit for said motor in response to a predetermined increase in said current flow over that required to activate said first relay.

2,547,217
CIRCUIT ARRANGEMENT FOR COUNTING PULSES
Pieter Johannes Kraayeveld, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application September 30, 1948, Serial No. 52,004
In the Netherlands October 8, 1947
6 Claims. (Cl. 250—27)



1. A pulse counting device comprising a generator including an electron discharge tube having a control electrode and an output circuit yielding impulses whose periodicity depends on the magnitude of a bias voltage on said control electrode, a periodicity control system including a filter network coupled to said output circuit and tuned to a harmonic of the fundamental periodicity of said impulses corresponding to a predetermined bias voltage on said control electrode thereby to develop a control voltage whose magnitude depends on the periodicity of said impulses, means to apply said control voltage to said control electrode to maintain the impulse periodicity of said generator at a value in accordance therewith, means to apply input pulses to be counted to said tube to effect a transition in the periodicity of said impulses in accordance with the number of input pulses applied thereto, and means to derive an output pulse from said control system when the periodicity of said impulses attains a predetermined rate.

2,547,218
MULTIPLE ELEMENT RADIOACTIVE RAY RECORDING
Shelley Krasnow, Arlington County, Va., and Leon F. Curtiss, Montgomery County, Md., assignors to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application July 24, 1942, Serial No. 452,228
5 Claims. (Cl. 250—83.6)

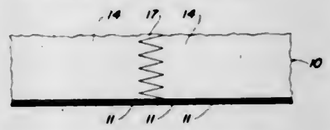


1. In a method of investigating radioactivity in a bore hole drilled into the earth, the steps of simultaneously lowering into the bore hole a plurality of radiation responsive devices having different radiation response characteristics, exposing said devices to radioactivity in the bore hole so as to cause at least one of said devices to respond significantly thereto, and obtaining indications of the responses of said devices whereby information about radioactive conditions in the bore hole may be obtained by comparing the indications of the responses of said devices.

2,547,219
INCREASING THE MELTING POINT OF POLYMERIZED ROSIN
Kenneth C. Laughlin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1949, Serial No. 111,099
8 Claims. (Cl. 260—99.5)

1. The process of fractionating polymerized rosin which comprises extracting the polymerized rosin with a liquefied normally gaseous hydrocarbon having at least three carbon atoms, at a temperature within the range of about 50° C. and approximately the critical temperature of the hydrocarbon, and separating the portion insoluble in said hydrocarbon as a polymerized rosin of increased melting point.

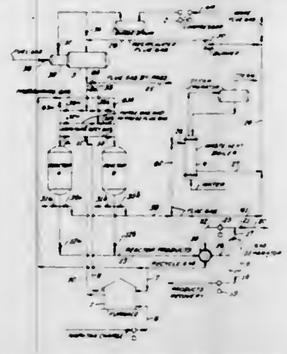
2,547,220
TEXTILE PRINT BLANKET
Edward W. Merrill, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application May 1, 1948, Serial No. 24,591
2 Claims. (Cl. 154—43)



1. An endless print blanket composed of a multiplicity of rubber-coated circumferentially coextensive textile fabric plies, having the fabric at least of its top ply butted along a line of interfitted V's having bases which are but small fractions of the width of the blanket, the length of said V's being at least a small number multiple of the base dimension, said blanket being vulcanized into a unitary structure.

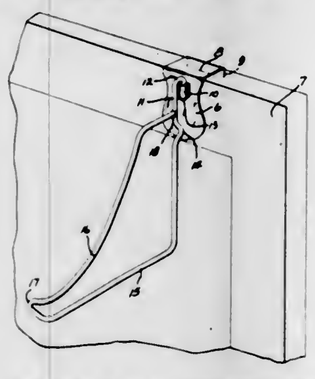
2,547,221
CATALYTIC REFORMING OF HYDROCARBONS IN THE PRESENCE OF HYDROGEN
Edwin T. Layng, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application July 5, 1947, Serial No. 759,276
In Canada July 26, 1940
12 Claims. (Cl. 260—668)

1. The method of reforming a hydrocarbon in the presence of a catalyst which consists essentially of a reducible metal oxide of group VI of the periodic system carried on an alumina-containing base and added free hydrogen in which operation the reaction takes place under superatmospheric pressure and which operation requires periodic regeneration of the catalyst, the improvement which comprises subjecting the catalyst after regeneration to a purging operation with free hydrogen or free hydrogen-containing



gas carried out at pressures substantially less than those employed during the said reforming operation.

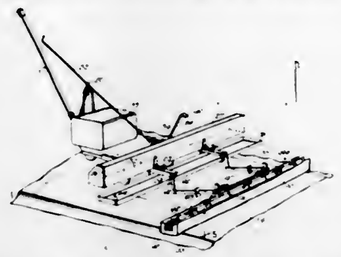
2,547,222
HANGER BRACKET
Ulysses S. Logan, Shorewood, Wis.
Application April 13, 1946, Serial No. 661,978
3 Claims. (Cl. 248—224)



1. In a device of the character described, the combination with a mounting member having a front face, and means providing an eye forwardly projecting from said face and wider in a lateral direction adjacent said face than its dimension from front to rear, of a bracket comprising a hooked rod having an integral tip portion of increased width laterally as compared with its extent from front to rear, said portions being complementary to said eye and disposed therein with a portion of the tip in face contact with said front face, said bracket hook being detachable from said mounting eye.

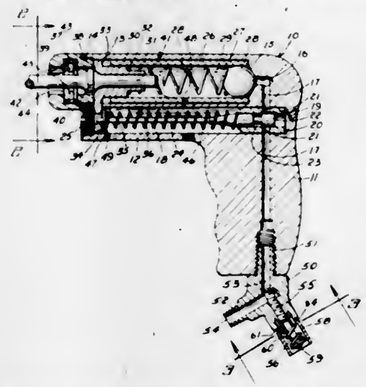
2,547,223
APPARATUS FOR REFINISHING FLOORS
Joseph Lombardo, Chicago, Ill.
Application May 13, 1946, Serial No. 669,269
9 Claims. (Cl. 91—25)

1. Floor treating apparatus comprising a truck, an elongated discharge tank for treating material carried by said truck beyond a side thereof to overly the floor and discharge said material thereon, an elongated spreader arm and means carried by the truck and mounting said arm to swing in parallelism with said tank from a working position on said floor to an idle position above



said tank, and drip receiving means carried by said truck in a position to underly said spreader arm in said idle position.

2,547,224
PNEUMATIC HAMMER
William E. MacGuire, Louisville, Ky., assignor to Frank B. Yingling, Hamilton, Ohio
Application August 30, 1946, Serial No. 694,091
5 Claims. (Cl. 121—13)

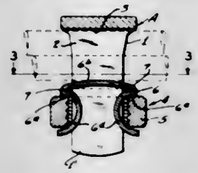


1. In a pneumatic hammer the combination of a body having a cylindrical bore, a spherical piston freely reciprocable in the bore, a tool receiving socket mounted for limited reciprocation in the forward end of said bore, a coil spring within the bore and having its opposite ends abutting said tool receiving socket and said spherical piston respectively, a trigger piece integral with the socket, the body having an air inlet passage communicating with the rear end of the cylindrical bore, and a self-closing valve controlling the air inlet passage and yieldably moved to open position by the trigger piece as the socket is moved into the cylindrical bore against the yielding resistance of the spring.

2,547,225
ELECTRICAL CONNECTOR
Frederick W. Mebold, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 3, 1946, Serial No. 666,856
1 Claim. (Cl. 24—124)

A connector comprising a bolt having spaced apart shank portions screwthreaded at their outer portions, a nut and washer assembly mounted on said spaced apart shank portions of said bolt,

said nut being arranged to move said washer longitudinally of said bolt in a straight-line non-rotatable manner as the nut is screwed longitudinally of the bolt so as to clamp one or more elements between said washer and a part of said bolt, said washer being inherently resilient and said washer being provided with an integral bridge portion that extends through the space between said spaced shank portions of said bolt



and is bowed upwardly and is adapted to contact with an element clamped by the connector so as to exert spring pressure thereagainst, said bowed bridge portion being comprised of a pair of arcuate elements having adjacently located free end portions, and means for retaining said washer in such assembled relation with respect to its associated nut that said nut may rotate relative to said washer.

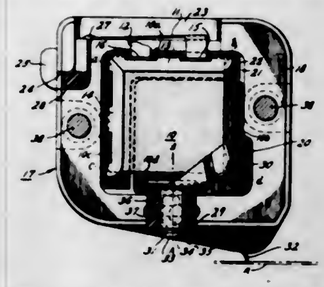
2,547,226
MEANS OF ATTACHING WING TIP FUEL TANKS TO AIRPLANES
Harold E. Michael, Glendale, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 3, 1948, Serial No. 37,014
12 Claims. (Cl. 244—135)



1. In an airplane, an end plate on each tip of the wing of said airplane, said end plate having an outer end plate surface of substantial vertical and horizontal extent, a wing tip fuel tank having a tank surface opposed to and spaced from said end plate surface, a pair of tank attachment fittings positioned vertically adjacent the edges of said opposed surfaces at the maximum vertical dimension thereof and detachably joining said surfaces, and a tank stabilizing connection between said mating surfaces at the rear of said surfaces.

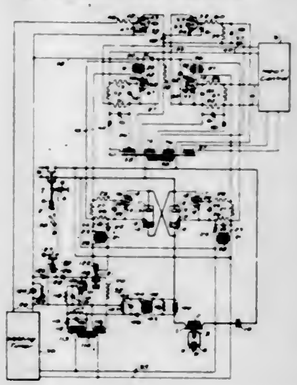
2,547,227
PHONOGRAPH PICKUP HAVING A QUADRILATERAL CRYSTAL WITH ONLY ONE CORNER FREE TO FLEX
Cleon D. O'Neal, Glenside, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 9, 1948, Serial No. 59,168
5 Claims. (Cl. 179—100.41)

1. In a transducer for reproducing sound from a phonograph record, a flat quadrilateral piezoelectric crystal unit having corner portions, means clamping said unit along two adjacent edges so as to prevent flexure of the three corner portions included in said two edges and to leave one corner portion between the remaining two adjacent edges free to flex, said means further supporting said unit so as to locate one of said remaining two edges in substantially confronting relation with respect to the playing surface of a record when the transducer is in use, and means including a driving chuck and a reproducing needle, said chuck being connected with the free corner portion of the crystal unit to drive the same and cooperating with the needle to provide



a crank-like leverage system, the pivotal axis of which is disposed generally in a plane perpendicular to said one confronting edge and passes substantially midway between the free corner portion and the clamped corner portion of said one confronting edge.

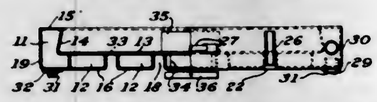
2,547,228
SERIES CAPACITOR PROTECTION
James B. Owens, Pittsburgh, Pa., and William E. Large, Tonawanda, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1946, Serial No. 701,844
6 Claims. (Cl. 175—294)



4. In combination, electric valve means for controlling the supply of power from a source to a load, a capacitor connected in series with said load, a control circuit for controlling the conductivity of said valve means, a protective circuit for protecting said capacitor against overvoltages, said protective circuit including an electronic discharge tube having an anode, a cathode and a control electrode, means for applying a voltage across the anode and cathode of said discharge tube, means for applying a bias voltage to said control electrode to normally maintain the discharge tube in a conductive condition, means for deriving a voltage proportional to the current flowing to said capacitor, means for applying the last-mentioned voltage to the control electrode in opposition to said bias voltage, whereby the discharge tube is made non-conductive when said current exceeds a predetermined value, means for applying the voltage across the discharge tube

to said control circuit, the voltage across the discharge tube being great enough when the discharge tube is non-conductive to cause the control circuit to render the valve means non-conductive, and means responsive to the voltage across the discharge tube for effecting interruption of the circuit between the source and the load when the discharge tube is non-conductive.

2,547,229
WATER-COOLED FURNACE DOOR
Edward W. Pottmeyer, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application August 28, 1945, Serial No. 613,073
4 Claims. (Cl. 122—498)



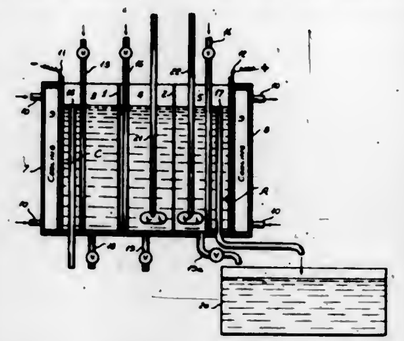
1. In a water-cooled furnace door for open-hearth furnaces or the like, said door having a hollow panel and a hollow peripheral flange extending inwardly therefrom, in combination, a plate forming a continuous flat inner wall of said panel and having its marginal portions extending inwardly to form the inner sides of said flange, the edges of said portions being substantially parallel to the central portion of the plate and forming the face of said flange, vertical channels having their flanges faced inwardly and welded to the outer surface of said plate, said channels being horizontally spaced from each other with the webs and flanges defining spaced cooling passages adjoining said outer surface, vertical angles at the sides of the door, each having one flange welded to a side edge of said face and its other flange welded to the outside of said door, and closures respectively welded to the top and bottom edges of said face and to the upper and lower ends of said channels.

2,547,230
INCREASING THE MELTING POINT OF POLYMERIZED ROSIN
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1949, Serial No. 111,090
9 Claims. (Cl. 260—99.5)

1. The process of fractionating a polymerized rosin containing unpolymerized constituents which comprises mixing said polymerized rosin, in solution with a hydrocarbon-miscible solvent, with a liquefied normally gaseous hydrocarbon at a temperature below about 0° C., and separating the insolubilized fraction as a polymerized rosin of increased melting point.

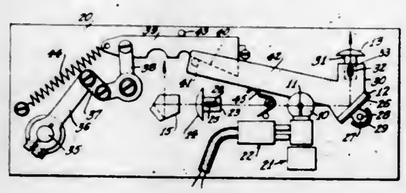
2,547,231
ELECTROOSMOTIC ISOLATION OF STREPTOMYCIN
Jack D. Sartakoff, Douglaston, N. Y., assignor of one-fourth to Roger Seligman, New York, N. Y.
Application March 10, 1948, Serial No. 14,056
4 Claims. (Cl. 204—180)

1. The method of isolating streptomycin which comprises: introducing an aqueous suspension of carbon with adsorbed streptomycin thereon into the center chamber of an electrolytic cell equipped with osmotic diaphragms spaced from one another and arranged between and in spaced relation to a carbonaceous anode and a carbonaceous cathode, introducing acidified water into the anodic and cathodic chambers of said electrolytic cell, passing through the cell electric



current of about 110 volts and from 0.5 to 5 amperes, maintaining said suspension in said center chamber at pH 2 to pH 4.9, and drawing off water and streptomycin solution from the anodic chamber as the concentration of the streptomycin therein is increased.

2,547,232
RANGE FINDER WITH LIGHT BEAM CORRECTION
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company Inc., Stamford, Conn.
Application February 28, 1946, Serial No. 650,927
7 Claims. (Cl. 88—2.7)

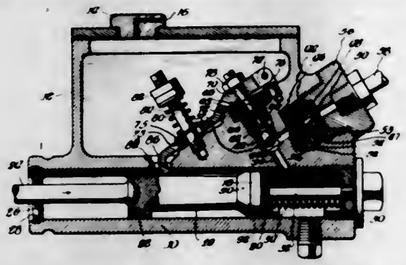


1. A light beam projecting range finder comprising a light source, a first light deviating means receiving light from said light source and directing a beam of light toward an object, and a second light deviating means receiving light from said light source and directing a second beam of light toward the object, said light deviating means being constructed to be movable relative to each other for varying the angular relationship of said light beams, one of the light deviating means having constant 90° deviation characteristics.

2,547,233
MASTER CYLINDER STRUCTURE
Alfred B. Seppmann, Mankato, Minn.
Application October 14, 1947, Serial No. 779,688
5 Claims. (Cl. 60—54.6)

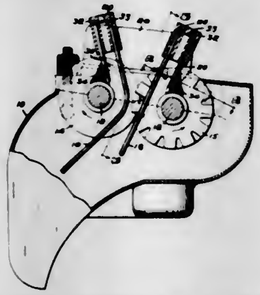
3. A master cylinder structure of the character disclosed comprising a cylinder, a reservoir surmounting said cylinder, a piston in said cylinder, a passageway communicating with said cylinder in front of said piston, a hydraulic brake line connected with said passageway, a check valve from said cylinder to said brake line, a relief

valve from said brake line to said reservoir, said relief valve being operatively engaged by said pis-



ton upon its return to normal position for automatically rendering said relief valve inoperative.

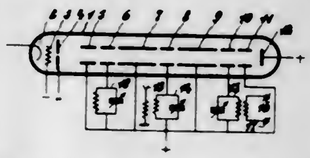
2,547,234
MEAT TENDERIZING MACHINE
William F. Spang, Milton, Mass., assignor to Cube Steak Machine Co., Needham Heights, Mass., a partnership
Application July 16, 1948, Serial No. 39,069
11 Claims. (Cl. 17—26)



1. In a meat tenderizing machine, a rotary gang of disk-like knives mounted in spaced relation providing gaps therebetween on and along a shaft, spacers on the shaft respectively between the knives and forming the bottom walls of the gaps, means parallel with the gang and cooperating with its periphery in supporting and conducting meat therebetween and in cutting contact with the knives, fingers disposed between adjacent knives and extending between the spacers and the first named means for stripping the cut meat from the knives, and cleaning fingers disposed rearwardly of the fingers and extending downwardly between the knives above the shaft, said cleaning fingers being of a width substantially equal to the spacing of adjacent knives and of a length extending substantially to the spacers and entirely above the rotary axis of the shaft.

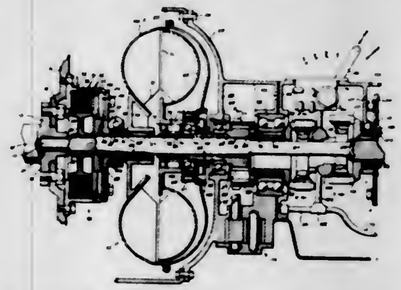
2,547,235
HIGH-FREQUENCY AMPLIFIER, INCLUDING A VELOCITY MODULATION TUBE
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1947, Serial No. 728,800
In Belgium December 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 29, 1964
6 Claims. (Cl. 179—171)

6. Apparatus for the amplification of high frequency oscillations comprising a velocity modulation tube including, in successive coaxial arrangement, an electrode system for generating an electron beam, a first cylindrical velocity control electrode, a second cylindrical velocity control electrode, a cylindrical output electrode and a collecting electrode, the distance between said first and second control electrodes being at least equal to the distance between the second control electrode and the output electrode, a noise suppression resonant circuit, an input resonant circuit, an output resonant circuit, a source of accelerating potential for said tube, a positive terminal



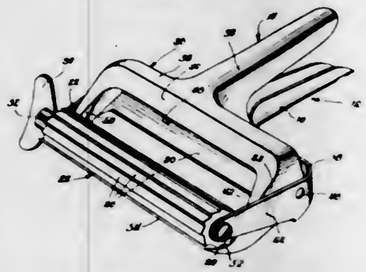
of said source being connected through said noise suppression circuit, said input circuit and said output circuit to said first control electrode, said second control electrode and said output electrode respectively, and directly to said drift space electrode, and means to apply the oscillations to be amplified to said input circuit, said noise suppression circuit being tuned to a lower frequency than that of the oscillations to be transmitted, said input circuit being tuned to a higher frequency than that of said oscillations, said noise suppression circuit having a quality characteristic exceeding that of said input circuit.

2,547,236
MULTIPLE-SPEED DRIVE
Carl E. Swenson, Rockford, Ill.
Application February 17, 1947, Serial No. 729,001
8 Claims. (Cl. 74—732)



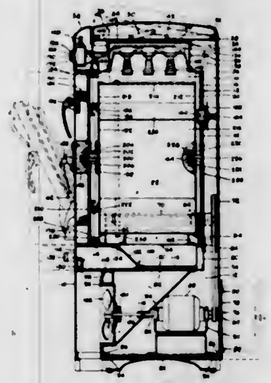
1. A multiple speed drive comprising a driving member, a driven member, direct coupling clutch means for effecting the rotation of said driven member by said driving member at the same speed, an internally toothed gear rotatably mounted eccentrically about one of said members, an externally toothed annular gear mounted concentrically about said one member within said internally toothed gear and rotatable by the latter, clutch means for driving one of said gears by said driving member, power-transmitting means comprising a pair of close coupled universal joints coupling the other of said gears with the other of said members to drive the driven member at another speed determined by the ratio of said internal and external gears, one of said clutch means comprising a one-way overrunning clutch, and means for engaging and disengaging the direct coupled clutch means.

2,547,237
HAND FISH SKINNER
Ray T. Townsend, Des Moines, Iowa, assignor to Townsend Engineering Company, Des Moines, Iowa, a corporation of Iowa
Application September 4, 1948, Serial No. 47,883
4 Claims. (Cl. 17—7)



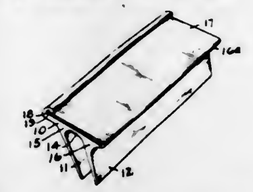
1. A hand manipulated skinning tool of the pliers type, comprising, a pair of lever members pivoted together, said lever members having cooperating handle portions, one lever member having a toothed roller rotatably mounted therein, the other lever member having a curved pressure surface formed thereon, said pressure surface being adapted to engage and partially surround said roller on swinging said lever members toward each other, and an actuating element secured to said roller at one end thereof beyond said lever members for rotating said roller by one hand while the other hand is used to squeeze said levers for engaging said pressure surface with the inner surface of a skin while said toothed roller engages the outer surface thereof and propels the skin past said pressure surface as said roller is rotated.

2,547,238
DRYING APPARATUS
Gerard Tremblay, Montreal, Quebec, Canada
Application October 31, 1947, Serial No. 783,277
In Canada August 12, 1947
13 Claims. (Cl. 34—133)



9. In a drying apparatus having an outer casing, an inner casing mounted in spaced apart relationship with the outer casing to constitute a heat chamber, said inner and outer casings being provided with registering openings, a main door adapted to form a closure for both of said openings, said main door having an opening therein, a secondary inner door hingedly connected to said main door adapted to form a closure for said main door opening, a cylindrical drum mounted for rotation within said inner casing, said drum having an imperforate back wall, the peripheral surface of the drum having openings adapted to allow air to pass freely therethrough, the front wall in the drum having an opening in register with the openings in the inner and outer casings, a closure member for the drum opening, the combination comprising opposed bearing assemblies on the rear wall of the inner casing and on the inner face of the inner secondary door respectively, said secondary door bearing assembly being adapted to support and retain said closure member for rotation and said rear wall bearing assembly being adapted to connect the drum back wall thereby to support the drum for rotation, means adapting the drum to be rotated, the drum located centrally of the inner casing so to be accessible for heated air circulating therethrough, the openings in the outer and inner casings closed by the main door being sufficiently greater in size than the outer diameter of the drum to allow the drum to pass freely therethrough.

2,547,239
PRICE TAG HOLDER
Carl R. Walker, Indianapolis, Ind., assignor to Syndicate Glass, Inc., Indianapolis, Ind., a corporation of Indiana
Application May 19, 1948, Serial No. 27,963
3 Claims. (Cl. 40—23)



1. A price tag holder comprising in combination a base member; a pair of spaced legs projecting downwardly from its under side; a cover hingedly connected to a longitudinal edge of the base member; a clasp member at the other longitudinal edge of said base member under which the free edge of said cover opposite said hinged connection may be inserted to retain a tag between the cover and the base and to urge apart said base longitudinal edges; said legs normally diverging in spacing from their lower ends to their upper portions, and said legs joining said base each through a thickened portion; the central portion of said base between said legs having a vertically thinner section as compared to the transversely thickened portions of said legs, whereby spreading of the legs would tend to set up a bending action across said base central section.

2,547,240
FISHING LURE
Richard Harrison Young and Isabelle R. Ferguson, Rochester, N. Y., assignors to Flectolite, Rochester, N. Y., a firm composed of said Young, said Ferguson, and Bruce L. Bradley
Application March 15, 1947, Serial No. 734,994
3 Claims. (Cl. 43—42.32)

1. A fishing lure comprising a metallic body portion which has a polished metallic reflecting surface at one side, a layer of transparent beads superimposed on said surface and directly con-

tacting the reflecting surface, and a binder in which said beads are embedded for adhering the

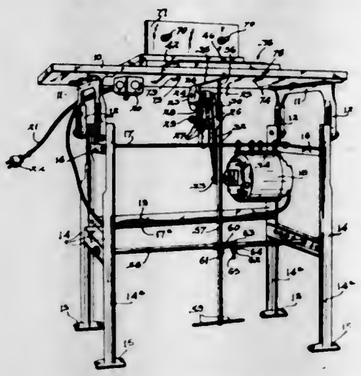


beads to said surface, said beads being arranged in spaced clusters over the reflecting surface.

2,547,241
GENTISIC ACID AND ITS ALKALI METAL AND AMMONIUM SALTS
Ferdinand B. Zienty, Brentwood, and Dorothy J. Harvey, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 16, 1950, Serial No. 150,102
21 Claims. (Cl. 260—521)

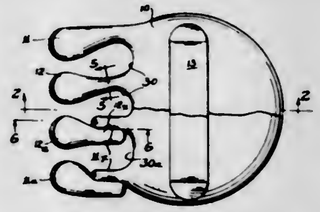
1. In a process for the preparation of 2,5-dihydroxy-benzoic acid and its alkali metal and ammonium salts, the step comprising reacting a compound selected from the group consisting of the alkali metal and ammonium salts of hydroquinone with carbon dioxide in the presence of water and the sulfide ion, at a temperature in the range of from about 150° C. to about 180° C. and a pressure in excess of about 200 pounds per square inch.

2,547,242
POWER-DRIVEN CUTTING MACHINE FOR SHOULDER PADS
Louis Alfandari, Corona, N. Y., assignor to L. Alfandari Machine Co., Inc., Corona, N. Y.
Application April 29, 1948, Serial No. 23,880
6 Claims. (Cl. 164—62)



1. In a machine for cutting filler material for use in shoulder pads and having a table top formed with an elongated slot extended fore and aft of the table top and a continuously rotating disc knife fixedly mounted beneath the table top with a portion of its periphery extended upward through the back end of the slot, a slidably mounted receptor for carrying the filler material to be cut rearward to be engaged and cut by the knife, comprising rails mounted on the top face of the table top on opposite sides of the slot, a plate having its side edges slidably engaged in said rails to be slid rearward and forward relative to the knife and normally occupying the space between the knife and the front end of the slot, means for moving said plate rearward and forward, said plate being formed with an elongated slot aligned with the slot of the table top and extended from the rear edge of said plate to a point slightly rearward of the front edge of said plate, bars mounted on the top face of said plate on opposite sides of said last-named slot outlining a recess in which the filler material to be cut can be placed and a lid pivotally mounted on said plate to be closed over the tops of said bars as said plate starts its rearward movement for closing said recess to retain the filler material in position therein during forward and rearward movement of said plate to insure cutting of the filler material by the knife.

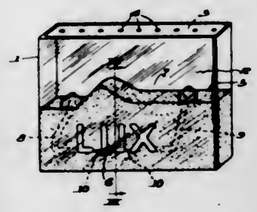
2,547,243
MASSAGING IMPLEMENT
Myrtle A. Amer, Hollywood, Calif.
Application October 22, 1948, Serial No. 55,991
4 Claims. (Cl. 128—67)



1. A massaging implement comprising a flattened approximately circular body, a series of proximal finger elements extending radially out from the edge portion of a segment of said body, said finger elements having between them, adjacent to their inner ends, spaces to admit the fingers of the operator, a like number of distal artificial finger elements each united by an adjustable joint structure to the outer end of its proximal finger element by a hinge joint, and means for securing said joint structures against flexion in adjusted positions with the aforesaid sections of each artificial finger adjusted in the desired angular relation to each other.

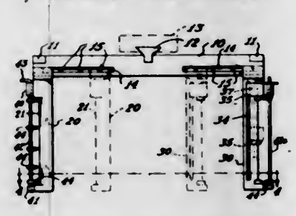
2,547,244
DISPLAY CASE
Roberdeau G. Annan, Pittsburgh, Pa.
Application February 3, 1950, Serial No. 142,274
4 Claims. (Cl. 40—125)

1. A display case comprising a box adapted to



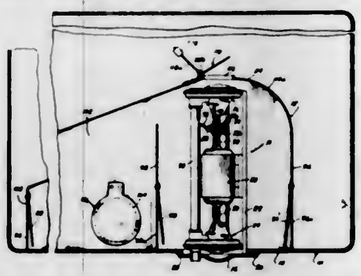
house a colony of live ants and provided with a transparent front wall; a block, which is substantially impervious to tunneling by ants, disposed within the box, the block being provided with a preformed passage of specific design that is bounded on one side by the transparent wall of the box and communicates with the interior of the box above the block; and filler material, which is easily tunneled by ants, filling the design passage, whereby ants placed within the box above the block will in tunneling therein be necessarily confined to removing the easily tunneled filler material from the design passage.

2,547,245
DEVELOPING RACK
Arthur Anderkin, Georgetown, Ohio
Application June 2, 1947, Serial No. 751,773
4 Claims. (Cl. 95—100)



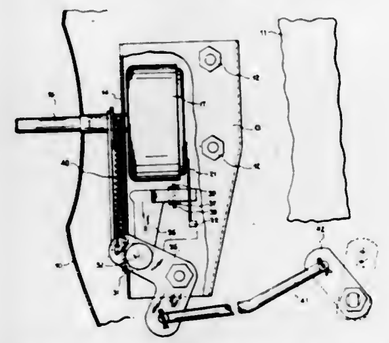
1. A photographic developing rack comprising a rectangular framework having two spaced series of legs depending respectively from opposed ends of said framework at right angles thereto, about which a strip of supporting material for photographic emulsions may be sinuously wound, with the emulsion alternately on the inside and outside of successive bends, each of said legs in one series having a shallow groove of strip width to support said strip with its emulsion side out, and each of the legs in the other series having a shallow groove of strip width, said last mentioned grooves being further relieved over the major portions thereof so as to leave narrow ledges at the ends of said grooves for contacting and supporting said strip, with its emulsion side in, along its edges only, each leg of said other series having a groove of variable width, one of said narrow ledges being incorporated in an element which is mounted for slidable movement on said leg with respect to the other of said narrow ledges, which is fixed.

2,547,246
AIRPLANE FUEL SYSTEM
Leslie L. Aspelin, Cleveland Heights, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 22, 1948, Serial No. 40,122
14 Claims. (Cl. 244—135)



8. In an aircraft fuel system, a fuel cell, a pump disposed in said cell, a motor for driving said pump, clutch means connecting said pump with said motor, said clutch means being selectively operable to couple or disconnect said pump and said motor and a weighted lever for actuating said clutch means to said coupled condition, said lever being normally gravitationally biased to clutch disconnecting position.

2,547,247
TIME CONTROLLED LINKAGE ACTUATING MECHANISM
Ralph A. Barrett, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1949, Serial No. 121,593
4 Claims. (Cl. 161—1)

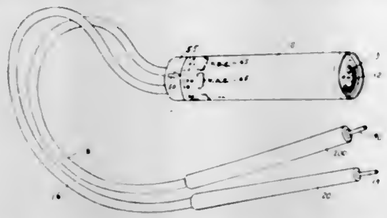


1. The combination with a clock timer of the type having a shaft extending from the timer housing and a lever disposed externally of the housing whereby when the shaft is rotated from an "off" position the lever is moved in a given direction and after a predetermined interval dependent on the amount of shaft rotation the lever is automatically moved in a reverse direction, of linkage adapted to actuate a clutch or the like directly operable by the shaft without imposing any substantial load on the timer, said linkage comprising a movable link member, means operably connecting the shaft and link member whereby when the shaft is rotated from the "off" position the member will be moved in a given direction, means connected to the link member engageable by the lever when the shaft is rotated a predetermined amount from the "off" position to hold the link member against movement in a reverse direction, spring means operatively connected to the link member adapted to be loaded when the shaft is rotated from the "off" position, means adapted to operatively connect the link member with a clutch or the like, and the spring means being adapted to move the link member in said reverse direction when the lever is moved by the timer after a predetermined interval determined by the amount of shaft rotation from the "off" position.

2,547,248
ELECTRICAL MULTITESTER
Thomas L. Bartholomew, Baltimore, Md.
Application October 10, 1946, Serial No. 702,546
3 Claims. (Cl. 171—95)

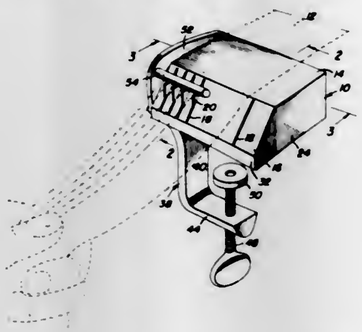
1. A combined electrical portable measuring apparatus for determining the values of A. C. voltage, current, resistance and D. C. voltage of electric circuits, comprising a cylindrical casing, an indicator dial and an indicating needle mounted

at one end of the casing, a cylindrical sleeve rotatably secured at the opposite end of said casing, a pair of prods extending through and outwardly of said cylindrical sleeve, a plurality of electrical circuits within said cylindrical casing adapted to be selectively placed in circuit with said prods and indicating needle when the prods are used to determine the voltage, current and resistance to be measured, said circuits including a plural-



ity of rotatable rings to selectively close and open the circuits, said cylindrical casing bearing outward indicia corresponding to current, voltage and resistance values, and connecting means between said cylindrical sleeve and said rings to selectively rotate said rings and close and open the aforesaid circuits, said sleeve bearing an outer symbol indicating the position of the sleeve with respect to the indicia on the cylindrical casing.

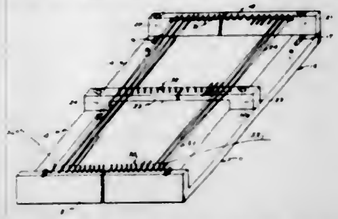
2,547,249
STRIP CUTTER
Roger E. Bell, Natick, Mass.
Application January 3, 1950, Serial No. 136,619
3 Claims. (Cl. 164—36)



1. A strip cutting device comprising a casing having a top wall, a downwardly and outwardly extending front wall attached thereto and having transversely extending slots therein, cutter blades extending through said slots and underlying said upper wall, means attaching said casing to a fixed support, said blades extending below said casing and engaging said fixed support to be thereby locked between the support and said top wall when said casing is locked to the support.

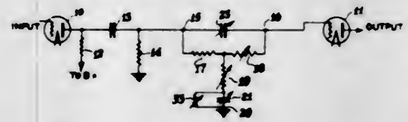
2,547,250
HAND LOOM
Vesta Conn Bennett, Northport, N. Y.
Application April 28, 1947, Serial No. 744,375
3 Claims. (Cl. 139—34)

3. A portable hand loom comprising a rectangular shaped frame, a removable crossbar that may be attached midway between the two ends of the frame, a series of warp retaining pins on the top face of each end member of the frame, a similar series of pins on the top face of the crossbar, a warp thread between the pins on the one



end of the frame and the pins on the crossbar, a warp retaining thread between the end loops of the warp thread on the crossbar and the pins on the opposite end of said frame.

2,547,251
TONE CONTROL
George A. Bonadio, Watertown, N. Y.
Application September 8, 1947, Serial No. 772,737
2 Claims. (Cl. 178—44)

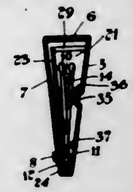


1. For use with a multi-tube electronic amplifier, a tone corrective device, means for connecting said device between the output anode circuit of a predetermined tube and the grid input circuit of the next subsequent tube of said amplifier, including two resistors connected in series, a variable capacitor shunting both said resistors, a third variable resistor connected at one end to the connection between said two first resistors, and a second variable capacitor connected at one side to the other end of said third resistor and connected at the other side to the common input and output cathode portion of the circuit of said amplifier, said connection being made to at least one of said tubes, said device also including an additional variable resistor connected in shunt to said second variable capacitor, whereby the voltage across said second variable capacitor can be limited.

2,547,252
PACKET FOR LIP MAKE-UP APPLICATORS
Leo Joseph Bouchard, Rosemount, Montreal, Julius Hammerslag, Outremont, and Jan Weiner, Montreal, Quebec, Canada, assignors, by mesne assignments, to The Lipmatch Company Ltd., Montreal, Quebec, Canada, a company of Canada
Application February 10, 1949, Serial No. 75,522
7 Claims. (Cl. 206—46)

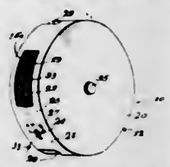
1. A make-up packet of the character described comprising a cover formed of a single strip of cardboard or the like folded to provide a back wall panel, a bottom front panel extending upwardly from the lower edge of said back wall panel, and a front closure panel extending forwardly from the upper edge of said back wall panel, the lower free edge of which is adapted to be inserted between said back wall panel and said lower front panel when the packet is closed, a plurality of splints carrying a cosmetic composition on their upper

tips and having their lower ends integrally connected to a common base for individual separation therefrom, said base extending across the packet and secured thereto between the back wall panel and the bottom front wall panel, said splints having their tips arranged in spaced relation to each other and spacer means adapted to hold the front and back wall panels in spaced relation to provide space for said tips, said spacer means including triangular end wall panels interposed



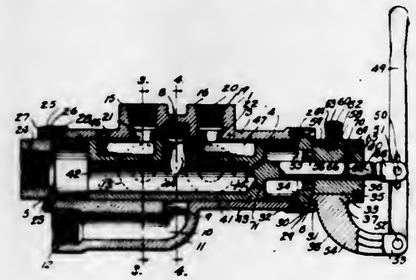
between the front and rear wall panels, the front and rear edges of said end wall panels diverging toward the upper part of the packet, inwardly extending front marginal flaps on the front edges of said end wall panels, and marginal flaps at the upper ends of said end wall panels bent inwardly along a bend line to protect the splint tips against excessive inward bending of the end wall panels and to serve as additional spacing means between said front and rear wall panels.

2,547,253
HOLDER AND DISPENSER FOR ROLLED FLEXIBLE STRANDS
John H. Bowers, Willow Run, Mich.
Application February 3, 1950, Serial No. 142,235
3 Claims. (Cl. 242—135)



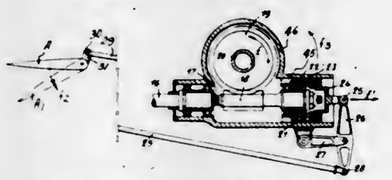
1. A holder and dispenser for a flexible, nonlimber rolled strand, comprising an inner container section, an outer container section and a spool, said inner and outer container sections each including a substantially circular side wall having an annular flange projecting from one side thereof, said inner container section having a centrally disposed hub portion disposed centrally of the inner container section flange, said spool having a central hub provided with a bore rotatably and detachably engaging the hub portion of the inner container section and journaled thereby detachably in the inner container section, said spool being adapted to contain a rolled flexible strand to be dispensed from the holder, said outer container section being larger in diameter than the inner container section to fit thereover and with the container section flanges overlapping, fastening means detachably connecting the container sections at the centers thereof, the flange of said inner container section having a circumferentially elongated slot through which the outer end portion of the flexible strand loosely extends outwardly of the holder, and said outer container section flange having a circumferentially elongated slot circumferentially spaced from the slot of the inner container section through which the end portion of said strand end extends outwardly of the holder whereby a portion of the flexible strand is disposed circumferentially of the holder and between said flanges, said outer container section flange having a recessed inner side portion, a blade secured in said recess of the outer container section flange and having a cutting edge extending across the slot of said outer container flange and adjacent the end of said slot located nearest the slot of the inner container section flange.

2,547,254
VALVE
Albert W. Braithwaite, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Application July 5, 1944, Serial No. 543,539
14 Claims. (Cl. 251—76)



1. An apparatus of the character described including a casing having a fluid inlet and a fluid outlet and a plurality of ports adapted to be connected with mechanisms to be operated by said fluid, a fluid control member reciprocably and rotatably mounted in the casing to connect the inlet and outlet ports and to connect any of said plurality of ports with said inlet and outlet, means for reciprocating and rotating the control member, and an interlock between the control member and the casing for preventing rotation of the fluid control member during reciprocation of said control member.

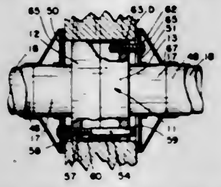
2,547,255
HELICOPTER WITH AUTOMATIC ANTITORQUE VANE
André Aimé Lucien Bruel, Paris, France
Application May 10, 1945, Serial No. 593,044
In France December 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1962
3 Claims. (Cl. 244—17.19)



1. In an aircraft, an aircraft body, a sustaining airscrew, a substantially vertical shaft for said sustaining airscrew, a driving shaft, means for operatively connecting said driving shaft with said vertical shaft, an axially movable member associated with said connecting means for moving in relation with the value of the torque of said vertical shaft, a blowing airscrew rotatable about an axis substantially parallel with the lon-

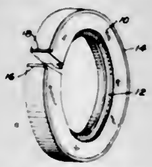
gitudinal axis of said body, a vertical airfoil, a flap hinged to said airfoil, and means controlled by said movable member for adjusting said flap.

2,547,256
NONLOCKING DOORKNOB LATCH SET
Robert C. Cerf, Jr., Los Angeles, Calif., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif., a corporation of California
Application December 30, 1948, Serial No. 68,213
3 Claims. (Cl. 292—169)



1. In a door knob latch set having a cylindrical body adapted to be mounted in a bored hole in a door, with bearing sleeves, spindles and attached knobs extending from opposite ends of said body; means to clamp said body to a door in which it is mounted comprising a pair of clamping plates, each having an axial hole and being adapted for sliding longitudinally on said bearing sleeves, said plates being larger than said body and one of said plates being permanently attached to one end of said body but adjustably spaced away axially from said body by means accessible only from the opposite end of said body; and means for attaching said other clamping plate to the opposite end of said body.

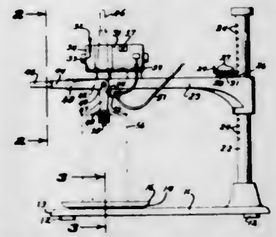
2,547,257
FLUID SEAL
Prentiss I. Cole, Palo Alto, Calif.
Application September 9, 1946, Serial No. 695,664
2 Claims. (Cl. 288—3)



1. A fluid seal comprising a unitary annular web of flexible material, a retainer ring cut through to provide a pair of spaced apart ends, bonded to the outer circumferential surface of said web, said web having a portion thereof extending between the ends of said ring and permanently occupying the space directly between said ends, and a parting line in said portion of the web between the ends of said ring and extending through said web.

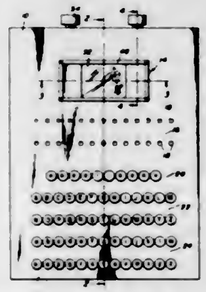
2,547,258
CAN OPENER
Hallett E. Craig, Pittsburg, Calif., assignor to Minerva Hennings Craig, Pittsburg, Calif.
Application June 2, 1947, Serial No. 751,916
1 Claim. (Cl. 30—4)

A can opener comprising a base member, a turntable thereon, a post on the base member, the post having a vertical series of horizontal slots therein, a laterally projecting arm having a vertical opening therethrough, the post projecting through the opening of the arm, a bracket on the arm adjacent to the post and having legs projecting away from the arm, a latch member extending through the bracket legs and into a selected slot in the post, a spring to urge the latch member into a slot, the latch member having a handle to retract it, an electric motor on the arm, a normally open switch on the arm in the power circuit for the motor, a vertical shaft rotatable by the motor, a cylindrical can-rotating member on the vertical shaft and having vertical grooves



with sharp edges on its cylindrical surface and sharp teeth on its top, a bell crank lever on the arm, an arm of the bell crank lever terminating in a handle, and a rotary cutter rotatably mounted on the other arm of the bell crank lever whereby it can be swung into and out of operative position adjacent said can-rotating member, the normally open switch having a member to close the switch on pressing it, the switch-closing member normally projecting into the position occupied by the cutter-carrying arm when the cutter is in operative position.

2,547,259
EDUCATIONAL DEVICE
Henry A. Engelhardt, Garwood, N. J.
Application February 3, 1948, Serial No. 6,090
2 Claims. (Cl. 35—35)



1. In an educational device, a board having an enlarged vertical opening, a transparent plate secured in closure placement over the opening on the face of the board, a plate secured over the opening on the bottom of the board, a partition member carried by the bottom plate and positioned within the opening, said partition member defining chambers at its opposing side edges, reels rotatably removably journaled in said chambers, a web having pictorial representations formed thereon secured at its opposing ends to the reels, said web being movable over the partition member in vertical alignment with the transparent plate, means extending outwardly from the board for rotating said reels, said board having a composition zone including spaced rows

of openings formed on the face of the board below the transparent plate, a plurality of pegs positionable in said opening, said pegs being formed with enlarged inscribed heads, and a storage zone formed on the board below the composition zone comprising spaced rows of apertures.

2,547,260
VENETIAN BLIND
James J. Foglio, New Rochelle, N. Y.
Application February 9, 1949, Serial No. 75,315
6 Claims. (Cl. 160—168)



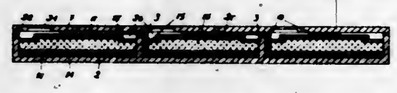
1. In a Venetian blind including intermediate slats, a bottom slat, a supporting tape and a height regulating cord, means detachably connecting the regulating cord to the bottom slat comprising a rigid rod hinged to the bottom slat of a diameter substantially that of the cord, a female coupling element integral with the upper free end of the rod, and a male coupling element engageable with the female coupling element affixed to the lower end of the cord.

2,547,261
PEST COMBATING COMPOSITIONS
Max Geiger and Eduard Usteri, Basel, and Andreas Ruperti, Ariesheim, Switzerland, assignors to Ciba Limited, Basel, Switzerland
No Drawing. Application August 13, 1948, Serial No. 44,225. In Switzerland August 15, 1947
4 Claims. (Cl. 167—42)

1. A dry pest-combating composition comprising as essential ingredients (1) a pest-combating agent, (2) a water-insoluble salt of (*a*) a metal selected from the group consisting of copper, zinc, nickel, cadmium and silver, and (*b*) a carbohydrate, containing carboxyl groups, selected from the group consisting of cellulose glycollic acid ethers, starch glycollic acid ethers and alginic acid, and (3) an ammonia-yielding substance selected from the group consisting of an ammonium carbonate and a mixture of equivalent proportions of an ammonium salt of a strong acid and an alkali salt of carbonic acid, the said water-insoluble salt (2) and the said ammonia-yielding substance (3) forming, in presence of water, a water-soluble complex compound which when applied to a substratum yields an adherent film, and when dried splits up into ammonia and the water-insoluble salt.

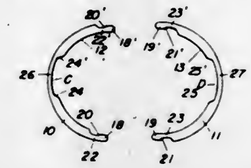
2,547,262
MULTIPLE DRY CELL BATTERY
Saul Greenstein, Philadelphia, Pa., assignor of one-eighth to Arthur McIlroy, Gladwyne, Pa.
Application August 23, 1948, Serial No. 45,659
10 Claims. (Cl. 136—108)

1. A compact flat multiple dry-cell battery having circuit terminals, a plurality of cavities arranged in a horizontal plane within a casing and containing an individual complete dry-cell in each of said cavities, each of said dry-cells comprising a thin generally horizontally positioned negative electrode of uniform thickness adapted to be stamped to fit the interior contours of each of said cavities, said negative electrode contacting the generally horizontally positioned positive electrode of an adjoining dry-cell, an electrolyte in contact with said negative electrode, a depolarizing mix between said electro-



lyte and the positive electrode of said cell which is in electrical contact with an overlapping portion of the negative electrode of an adjoining cell, a non conducting retaining washer resting on said depolarizing mix and partially supporting said positive electrode, a water proof hydrogen permeable cover for said plastic casing whereby the elimination of hydrogen therefrom is facilitated.

2,547,263
RETAINING RING
Heinrich Heimann, New York, and Harry K. Waldes, Jackson Heights, N. Y., assignors to Waldes-Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application July 3, 1946, Serial No. 681,394
2 Claims. (Cl. 85—8.5)

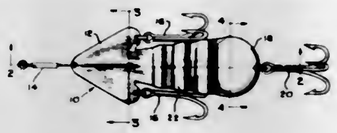


1. A retaining ring for preventing axial displacement of a machine part relative to a shaft provided with a ring seating groove comprising two ring parts of identical shape adapted for assembly within the groove by being forced together in a direction crosswise of the center line of the shaft, the adjacent ends of said rings parts being formed as complementary outer and inner hooks which are adapted to clear one another by relative radial movement thereof in the assembly of the ring parts and thereupon to interengage and secure the ring parts together as a complete annulus, the inner diameter of said parts being less than the diameter of the groove bottom by a predetermined amount, and the arcuate length of each ring part being correspondingly greater than that of the groove bottom semicircle, and the inner edge of each ring part having a longitudinal recess in its middle portion, the arcuate length of said recess being approximately one-fourth the arcuate length of the ring part.

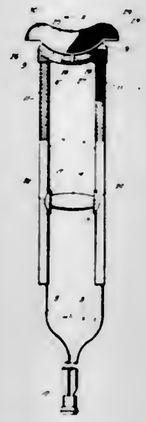
2,547,264
FISH LURE
Clifford S. Helman and Arch R. Blunk, Dayton, Ohio
Application May 13, 1948, Serial No. 26,838
3 Claims. (Cl. 43—42.5)

1. A fishing lure having a substantially flat body part adapted for supporting gang hooks, said body part having undulations extending generally transversely across the intermediate portion thereof, a spherical configuration at the

rear end of said body part, and a wide angle V-shaped channel at the forward end thereof, said channel and said spherical configuration both opening in the same direction, and said undulations extending from said body part toward the closed sides of said concavities, the base of the channel being substantially in the plane of the lower surface of the undulations.



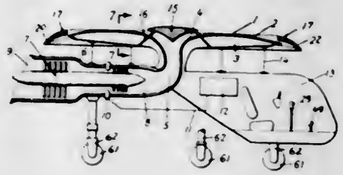
2,547,265
ADJUSTABLE CRUTCH
Kenneth M. Hilgeman, Portland, Ind.
Application March 4, 1946, Serial No. 651,715
3 Claims. (Cl. 135—52)



2. A crutch comprising prop members, the lower ends of which are secured together to form a foot, a bridge secured to and connecting the upper ends of said members, said bridge having therein a longitudinal raceway, rollers pivoted in the bridge adjacent each end thereof, an arm-pit rest overlying the bridge, bearing on said rollers and having a lug that projects through a slot in the bridge into said raceway, and compression springs disposed within said raceway acting oppositely against said lug and tending to hold said rest in normal position.

2,547,266
FLUID-JET-SUSTAINED AIRCRAFT
Irving M. Hoglin, Boulder, Colo.
Application October 2, 1947, Serial No. 777,464
7 Claims. (Cl. 244—12)

1. An aircraft comprising a main airfoil, means mounted on the aircraft for producing a flow of gas at a high velocity, and means for directing said flow of gas so that it will pass over the top surface only of the airfoil and in a direction conforming with the top surface of said airfoil, an auxiliary airfoil, said auxiliary airfoil being positioned to have its leading edge in the path of flow of the gas so that the gas will flow over both surfaces thereof, a pivoted flap forming a part

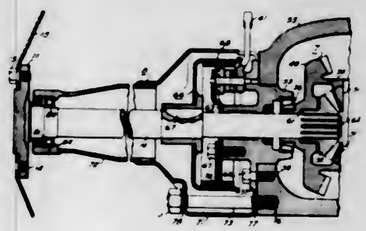


of the auxiliary airfoil, and means for controlling the flap.

2,547,267
OXYGEN LIBERATING COMPOSITIONS
Carey B. Jackson, Forest Hills, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 24, 1944, Serial No. 551,055
2 Claims. (Cl. 23—184)

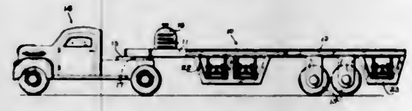
1. A sealed canister, constructed for use in a self-generating oxygen breathing apparatus, containing substantially pure potassium tetroxide carrying from about 0.02 to 0.06 mol of water per mol of tetroxide, said water conditioning the tetroxide to be stable at temperatures up to about 150° F. and to react rapidly with carbon dioxide, upon opening of the canister seal, to liberate oxygen at temperatures of about zero degrees F.

2,547,268
WITHDRAWABLE DRIVE SHAFT AND BRAKE ASSEMBLY FOR VEHICLE DRIVE WHEELS
Louis Jacobi, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 29, 1948, Serial No. 51,704
7 Claims. (Cl. 188—75)



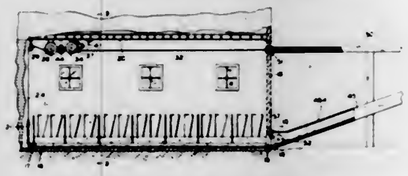
1. In a casing structure enclosing a power driven rotary element and having one wall thereof provided with an opening therethrough affording access to an opposed portion of said element, a bearing housing removably fixed in said opening in coaxial alignment with said element through a detachable connection with a portion of said wall adjacent said opening, a shaft withdrawably journaled in said bearing housing with its inner end disposed in withdrawable power transmitting relation to said power driven element and with its other end projecting outward from said housing, expansible brake means detachably secured to an outer portion of said housing in concentric relation to said shaft, and a brake drum fixed to said shaft and positioned thereby in externally telescoped, cooperative relation to said expansible brake means.

2,547,269
SEMITRAILER
Lewis R. Kinsey, New York, N. Y., assignor to Kinsey Corporation, New York, N. Y., a corporation of New York
Application September 25, 1946, Serial No. 699,165
4 Claims. (Cl. 254—4)



4. In a house moving trailer, in combination with a substantially U-shaped frame, said frame comprising wheels and being adapted to be supported and drawn by a prime mover, frames underslung from said U-shaped frame and hydraulic jacks supported on said underslung frames, said jacks comprising hydraulic cylinders, rams operable within said cylinders and extending outwardly therefrom, cross bars connected to said rams, pulleys on said cross bars, heavy flexible members connected to said underslung frames and led over said pulleys, a lifting bar connected to said flexible members, jack platforms pivotally connected to said lifting bar, guide posts extending between said U-shaped frame and said underslung frame and hook arms extending from said jack platforms to engage said guide posts, said lifting bars constituting ambulatory pivot mounts for said jack platforms.

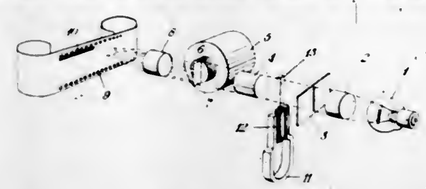
2,547,270
BARN CLEANER
John Kunz, Menomonie, Wis.
Application July 29, 1946, Serial No. 687,004
5 Claims. (Cl. 198—218)



1. In a barn cleaner, an elongated conveyor member adapted to be received in a horizontal barn gutter having an outlet end, a takeup device, cables each connected to an end of said conveyor and to said takeup device, the takeup device being reversible to move said conveyor in either direction in said gutter, a trough having an inlet end adapted to be positioned at the outlet end of said barn gutter and extending diagonally outwardly and upwardly and having an elongated horizontal outer portion, said trough being of a size to accommodate said conveyor, and said horizontal outer portion of said trough having spaced doors in the underside thereof.

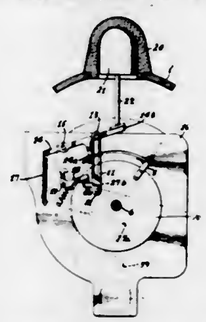
2,547,271
MEANS FOR DIMINISHING BACKGROUND NOISE
Alberto Laffon y Soto and Ezequiel de Selgas y Marin, Madrid, Spain
Application March 31, 1949, Serial No. 84,688
In Spain April 20, 1948
7 Claims. (Cl. 179—100.3)

1. In apparatus including an inductive electrodynamic oscillograph and an opaque light-modulating screen for the photo-electric recording of sound, means for minimizing "background noise," comprising: means for causing a laminar beam of light to fall upon the opaque light-modulating screen, a moving-coil galvanometer, including means for producing a continuous magnetic field, the moving coil being located in the said field, a transparent prism with parallel



plane faces mounted on the said moving coil to turn therewith, the prism being interposed in the path of the said laminar beam of light before it reaches the light-modulating screen, means for rectifying a fraction of the audio-frequency current employed for recording, and means for feeding the said rectified fraction to the galvanometer coil.

2,547,272
PARKING METER
Lionel F. Lawson, Los Angeles, and Eugene H. Twarowski, Hawthorne, Calif., assignors to Turret Meter Sales Company, Los Angeles, Calif., a corporation of Nevada
Application August 3, 1946, Serial No. 688,360
1 Claim. (Cl. 194—61)



A parking meter comprising: a casing having a window in one side thereof, a dial within said casing opposite said window, a disk pivotally mounted within the casing, a pointer on said disk in front of said dial, a transparent dome at the top of said casing, a warning signal, means normally maintaining said signal in elevated position within said dome, said means including a lever engaging the lower end of said signal, resilient means biasing the lever upward to maintain the signal elevated and a link engaged at one end to said disk and connected at its other end to said lever by a lost motion connection whereby rotation of the disk in one direction to set the pointer causes the link to depress the lever, thereby to release the signal for movement out of the dome into the casing, said lost motion connection allowing limited rotation of the disk in the opposite direction without causing movement of said lever, latch members mounted in said casing engaging said lever to hold the lever in depressed position, and an abutment carried by said link and adapted to contact with said latch means to release the same when the disk has rotated through a prede-

termined angle in said opposite direction, thereby to allow the lever to move upward and project the warning signal into the dome.

2,547,273
FOLDING GAFF HOOK
Warren C. Le Febvre and Arnold Mihm, Hibbing, Minn.
Application September 15, 1947, Serial No. 773,972
2 Claims. (Cl. 294—26)



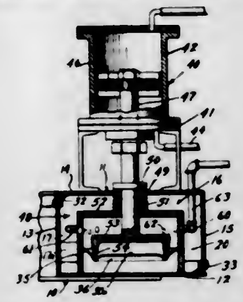
1. A folding gaff hook comprising a pistol-grip handle member including shank and hand grip portions, said shank portion having a flat-faced part near its terminal end portion and being formed with a longitudinal groove in the top thereof from the hand grip portion to the flat face of said part, and in the top of said terminal end portion, said part having a central upwardly projecting bolt stem and being formed with a transverse diametric groove, said handle member having a recess in the butt end thereof, a hook member including a shank having an eye at one end and a pointed bill at the other end, said eye having a transverse diametric rib on one face thereof to seat in said transverse groove when the hook member is in folded and extended positions with the shank of said hook member respectively seated in the groove of the shank member and in the groove of the terminal end portion, the pointed end of the bill of said hook member being engageable in said recess when said hook member is in the folded position, and a nut threaded on said bolt stem to releasably secure the hook member in each of said positions.

2,547,274
PARTIAL HYDROGENATION OF UNSATURATED CONJUNCT POLYMER HYDROCARBONS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 17, 1948, Serial No. 60,623
8 Claims. (Cl. 260—666)

1. A process for improving the drying properties of a conjunct polymer mixture of polyolefinic, cyclic hydrocarbons having from about 2.5 to about 4 double bonds per molecule and containing conjugated and isolated unsaturation, which comprises reacting said mixture with hydrogen in the presence of a hydrogenation catalyst and controlling the hydrogenation to reduce the number of said double bonds to approximately one per molecule.

2,547,275
METHOD OF AND APPARATUS FOR MAKING PLASTIC WHEEL TRIM
George Albert Lyon, Allenhurst, N. J.
Application December 28, 1945, Serial No. 637,668
10 Claims. (Cl. 18—19)

10. In combination in apparatus for forming a wheel trim from thermo-plastic sheet material, means defining a forming surface having annular divergently related forming surface areas joined by an annular juncture groove, means for clamping a heated and softened sheet of thermo-plastic material marginally about the perimeter of the radially outer of said forming surface areas and with the sheet overlying the forming surface, and a pressing member having an annular pressing edge disposed concentric with and substantially complementary to said juncture groove and having means for pressing said edge against the sheet of thermo-plastic material while the sheet is being held over said forming surface to drive the sheet against the forming surface, said forming edge being dimensioned to engage only a limited annular area of the plastic sheet throughout engagement of the edge with the sheet and even when the sheet has been pressed thereby against the forming surface leaving the areas of the sheet radially inwardly and radially outwardly of the annular engaged area of the sheet entirely free to find their own position against the diverging surface areas of the forming surface.

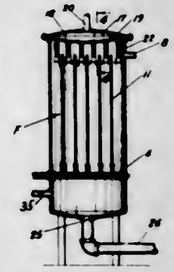


2,547,276
GAS BURNER WITH GAS PREHEATING CHAMBER AND FLAME NOZZLES
Herbert H. Marsh and Glenn G. Short, Denver, Colo.
Application February 28, 1947, Serial No. 731,576
2 Claims. (Cl. 158—104)



1. A burner for the burning of gas fuel from a supply conduit without any introduction of air into the gas coming from the fuel line and prior to entry into the burner, said burner comprising a chamber for receiving gaseous fuel and having a depth which is substantially less than one-half of any crosswise dimension of its top wall and said chamber also having its outer peripheral wall so constructed that no portion of such wall can be intercepted by a direct line drawn across the chamber between any two spaced points on the outer peripheral wall, means providing a gas inlet to the chamber for connection with the supply conduit for furnishing gas unmixed with air to said chamber from the source of supply with the area of said inlet being a small fraction of the area of the top wall, and tubular spaced jet members mounted on said top wall for receiving gas directly from the chamber and being distributed in closely spaced relation throughout the entire area of the top wall and without obstructions therebetween, said jet members each having an air intake adjacent the top wall and a flame end thereabove but spaced closely to the top wall in order to effect transfer of heat from said flame end to the top wall, said top wall having continuity in order to assure that the jet members when ignited are capable of transmitting heat to the entire top wall and therethrough to the gas in the chamber all without interference from any air currents moving directly upward in a vertical direction outside the peripheral wall from below the bottom of the chamber to the top thereof, the number of jet members being such in relation to the volume of the chamber and also the size of the supply conduit being such in relation to the size of the chamber that unmixed gaseous fuel passing through the chamber from the conduit to the burner will remain in the chamber a sufficient period of time as to have appreciable expansion due to heat radiated from the burners.

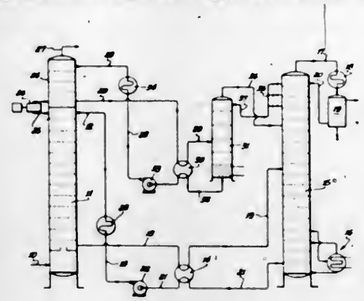
2,547,277
FILTER WASHING SYSTEM
Herbert H. Marsh and Glenn G. Short, Denver, Colo.
Application July 28, 1947, Serial No. 764,162
7 Claims. (Cl. 68—18)



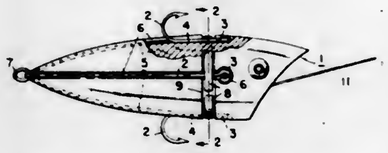
1. In combination with a cleaning system comprising a cleaning washer, a filter tank having spaced filter structures vertically mounted therein and upon which filter material is deposited, a pump, an inlet, an outlet and conduits for circulating cleaning liquid from the pump to the filter tank to the washer and back to the pump, of a filter washing system comprising a valve controlled drain pipe from the bottom of the filter tank separate from the tank outlet, means for supplying liquid under pressure from the pump to the top of the filter tank independently of the inlet and for spraying said liquid onto the filter structures, and means for supplying liquid from the pump to the drain pipe ahead of the valve thereof.

2,547,278
EXTRACTION OF ACIDIC IMPURITIES AND MOISTURE FROM GASES
Edward R. McCartney, Altadena, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application June 12, 1948, Serial No. 32,679
7 Claims. (Cl. 23—2)

1. The process of treating a gaseous mixture for the removal of moisture and an acidic compound, that includes contacting the gas with a first liquid solution containing a moisture absorbent and an acid gas absorbent under conditions resulting in partial vaporization of the acid gas absorbent, then contacting the gas with a second solution containing a moisture absorbent separable by fractionation from said acid gas absorbent and in which is absorbed moisture and the vaporized acid gas absorbent, passing the spent first solution through a first heating zone to regenerate the solution by vaporization of the absorbed acidic compound, passing the spent second solution through a second heating zone to regenerate the second solution by vaporizing moisture and acid gas absorbent therefrom, condensing the vaporized acid gas absorbent from the resulting vapors and recovering the condensed acid gas absorbent in said first heating zone, returning condensate from said first heating zone to the second heating zone to prevent loss of the moisture absorbent from said second solution, and contacting gas to be treated successively with the regenerated first and second solutions.



2,547,279
FISH PLUG
George Henry Patterson, Seattle, Wash.
Application January 20, 1947, Serial No. 723,109
7 Claims. (Cl. 43—42.05)

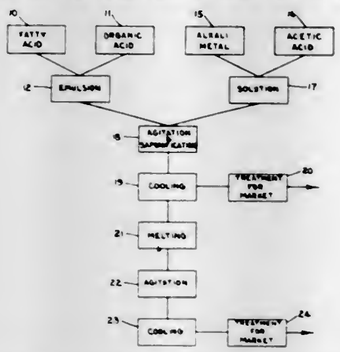


1. A fish plug comprising a body member having an eye at its trailing end portion, a leader penetrating said eye and slidable therethrough, a hook fastened to each opposite end of the leader, means securing the hooks to the opposite sides of the body member, said means being yieldable so as to operate, when one of the hooks is pulled, to free said hook from the body member and so as to operate thereafter, when the leader is pulled through the eye, to free the other hook from its position on the body member, and an enlargement on each hook preventing the hook from being pulled through the eye whereby the first freed hook is kept tethered to the body member while capable of being moved a limited distance therefrom.

2,547,280
COLD PROCESS FOR PRODUCING AN IMPROVED SOAP COMPOSITION
Roy W. Peterson, Fresno, Calif.
Application March 8, 1949, Serial No. 80,154
4 Claims. (Cl. 252—132)

4. In a process for making soap including the saponification of a fatty acid soap stock material

with sodium hydroxide, the step of forming an emulsion of the soap stock material in a dilute

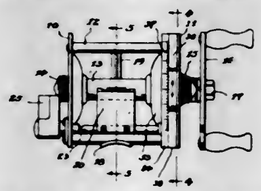


aqueous acetic acid solution preliminary to saponification.

2,547,281
METHOD OF REFINING MILK AND MILK PRODUCTS
Uel N. Petty, Cushing, Okla.
No Drawing. Application September 14, 1949, Serial No. 115,784
7 Claims. (Cl. 99—119)

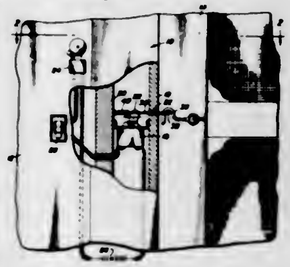
1. The method of obtaining a highly refined milk fat which comprises chilling milk to a temperature below the freezing point of water, progressively sweating said chilled milk by subjecting the exposed surface of the chilled milk to vapor phase contact with live steam at such rate as to progressively attain the melting point of the milk fat, continuously removing the melted portion from the chilled portion, and separating the resulting water and non-fat solids from the fat.

2,547,282
FISHING REEL
Clifford E. Plouff, Seahurst Park, Wash., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application November 4, 1944, Serial No. 561,883
6 Claims. (Cl. 242—84.5)



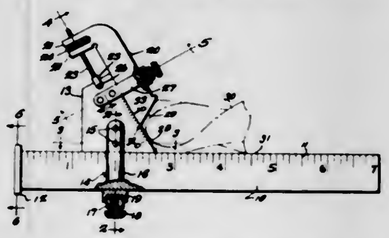
1. In a fishing reel of the type having a rotatable spool for carrying line, a rotatable shaft extending axially parallel with, but outside the confines of the spool, a torsional spring acting on said shaft, means for adjusting the torsional effect of said spring on said shaft, a plate mounted on said shaft having one end bearing toward the center of the reel to exert frictional resistance on the line, a lever on the other end of the shaft movable with the plate as said reel unwinds and a brake member mounted on said reel adapted when shifted to bear against a revolving portion of said reel to brake the same and so positioned to be influenced by the movement of the lever to brake the reel after a predetermined reel out.

2,547,283
SCREEN ALARM
Earl B. Purdin, Killeen, Tex.
Application November 21, 1949, Serial No. 128,525
1 Claim. (Cl. 200—54)



A screen alarm comprising a frame having an opening therein, a closure provided for positioning in the opening of said frame, an aperture in said frame adjacent the closure, a keeper positioned in said aperture for reciprocation, an eyelet on said closure for cooperation with a latching fastener, said latching fastener being pivotally connected to said eyelet and adapted to have an end engaging said keeper when in latched position, a switch in juxtaposition to said aperture and on the side opposite to said latching fastener, a switch arm extending from said switch and pivotally connected to said keeper, and resilient means for urging said switch arm to actuated position when said latching fastener is unlatched for actuating an alarm.

2,547,284
DRILL POINT GAUGE
Arthur G. Rabuck, Royalton, Pa.
Application February 20, 1946, Serial No. 649,016
1 Claim. (Cl. 33—201)



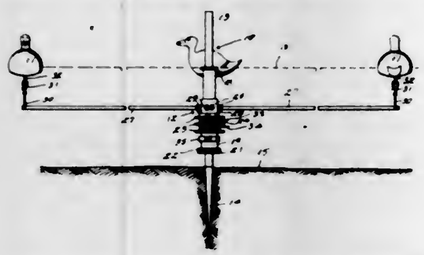
A drill sharpening gauge comprising in combination, a straight edge blade inscribed with a graduated scale, a trapezoidal gauge plate slidably mounted on one edge of said blade, said gauge plate having an inclined edge and graduations adjacent the inclined edge, said inclined edge being disposed at an included obtuse angle with respect to said blade, a substantially U-shaped member carried by said gauge plate and slidably mounted on said blade, a friction block in said U-shaped member, an adjustable screw carried by said U-shaped member urging said block against one edge of said blade, a traveller plate slidably mounted on the inclined edge of said gauge plate, said traveller plate having a reference index for registering with the graduations on said gauge plate, a further U-shaped member carried by said gauge plate and slidably receiving said traveller plate, means mounted on said further U-shaped member for retaining said traveller plate in a selected adjusted position relative to said further U-shaped member and on the inclined edge of said gauge plate, a pair of spaced parallel fingers projecting laterally from one end of said traveller plate, a screw threaded rod extending through said fingers, the axis of said rod being spaced parallel to the axis of said traveller plate, a pivot pin securing one end of said rod to said gauge plate, and means threaded on said rod and disposed between said fingers for adjustment of said rod relative to said fingers, said traveller plate having an edge intersecting the inclined edge of said gauge plate and disposed at an included obtuse angle with the inclined edge of the gauge plate, the included angle between the inclined edge of said traveller plate and inclined edge of said gauge plate being equal to the included angle between the inclined edge of said gauge plate and one edge of said blade.

2,547,285
WINDSHIELD WIPER MECHANISM
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 10, 1945, Serial No. 615,435
17 Claims. (Cl. 15—255)



1. A motor vehicle windshield cleaner comprising spaced wiper actuating shafts, a drive therefor arranged in the engine compartment of the vehicle and having a drive shaft, a flexible transmission arranged in the passenger compartment of the vehicle and operatively connecting the two shafts, said transmission having a driven shaft arranged between the two wiper actuating shafts and provided with opposed cranks connected thereto by oppositely extending tension members, means detachably coupling the drive and driven shafts to enable demounting of the drive shaft through the engine compartment, and bracket means independent of the drive providing journal support for the driven shaft when the drive shaft is removed.

2,547,286
ANIMATED DECOY
James O. Sabin, Dalbo, Minn.
Application October 18, 1946, Serial No. 704,172
2 Claims. (Cl. 43—3)



1. In an animated decoy, a stake adapted to be driven into the bottom of a body of water for positioning said stake in an upright position and with the upper end thereof disposed above the surface, a sleeve detachably and slidably mounted on said stake and having means for detachably securing it thereto, said sleeve having a flange at its lower end and being adapted to be disposed with its upper end adjacent the surface of the water, a second sleeve supported on said flange and rotatably mounted on said first mentioned sleeve, a plurality of arms connected to and projecting radially from said second sleeve, flexible tether members connected to said arms adjacent their free ends and adapted to be detachably fastened to bouyant decoys, said arms being disposed beneath the surface of the water and said decoys being freely supported on the surface thereof, and actuating means connected to said second sleeve to cause the second sleeve and arms to oscillate relatively to the first mentioned sleeve and stake for causing said decoys to be propelled in opposite directions on the surface of the water and in a circle around the stake.

2,547,287
LIQUID APPLICATOR
Louis Sanders, Clifton, and Chester Paff, Garfield, N. J.
Application March 26, 1948, Serial No. 17,296
4 Claims. (Cl. 15—138)

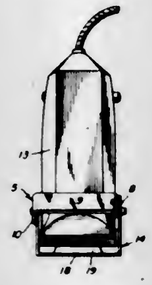


1. A device for the application of liquid material comprising: a hollow body element adapted to contain said liquid material, said body element having an exit orifice; an actuating element; an applying element disposed within said body element and longitudinally reciprocable to two positions by means of said actuating element, in one of which said applying element is projected outwardly of the body element, through said orifice; and metering means through which said actuating element is movable; said metering means being fixed to said body element and including at least one small orifice.

2,547,288
HAIRCUTTING ATTACHMENT FOR ELECTRIC RAZORS
Bernhart P. Sandlie, Malta, Mont.
Application March 5, 1948, Serial No. 13,125
2 Claims. (Cl. 30—201)

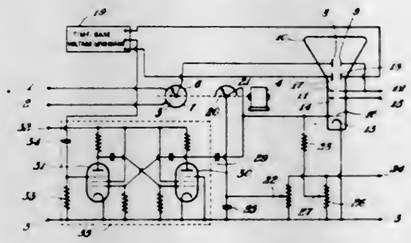
1. A hair cutting attachment for electric razors comprising a U-shaped shoe including a comb plate at its base, and a rectangular-shaped clamp attached to an electric razor and pivoted to the

shoe for vertical tilting movement of the razor, said clamp comprising a substantially U-shaped base in which the razor is positioned, and a latch plate pivoted to one end of the U-shaped base for



overlying the top of the razor and interlocked with the other end of the U-shaped base for locking the clamp on the razor, and trunnions on the sides of the U-shaped base pivoted to the sides of the shoe.

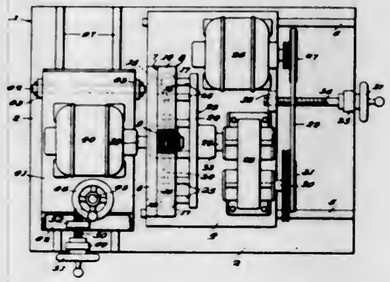
2,547,289
OSCILLOGRAPH
Leslie D. Smart, Bournemouth, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee
Application November 28, 1945, Serial No. 631,382
In Great Britain September 19, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 19, 1964
6 Claims. (Cl. 315—22)



1. Oscillographic apparatus for simultaneously exhibiting on a screen the respective wave forms of at least two wave sources whose wave forms are unknown comprising means repeatedly to produce on the screen traces each representing the wave form of a respective wave source, the traces being produced in superposed relation and means for varying the intensity of at least one of the traces periodically along the trace path whereby the traces are distinguished one from the other.

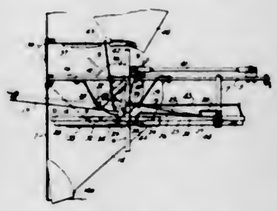
2,547,290
CENTERLESS GRINDING DEVICE
Frank J. Stevens, Nutley, N. J.
Application June 11, 1948, Serial No. 32,434
6 Claims. (Cl. 51—108)

1. In a centerless grinding device, the combination of, a plate, a curved support carried by said plate and having spaced feed and outlet chutes arranged respectively to receive and discharge cylindrical blanks, a cage carried by said plate and arranged to rotate about an axis coincident with a center of curvature of said support, means carried by said plate for rotating said cage, means on said cage extending into said support and arranged to control movement of said cylindrical blanks along said support, a grinding wheel within the confines of said support and driven at a greater speed than said cage; an axis of said



grinding wheel being spaced from said axis of said cage so that as said cylindrical blanks approach said discharge chute the distance between said grinding wheel and support will gradually decrease, and means for moving said plate toward and away from said grinding wheel.

2,547,291
POPCORN VENDING MACHINE
Edson Eastman Styll, Huntington Park, Calif., assignor to Stylon Corporation, Long Beach, Calif., a corporation of California
Application January 27, 1947, Serial No. 724,508
2 Claims. (Cl. 99—238.2)



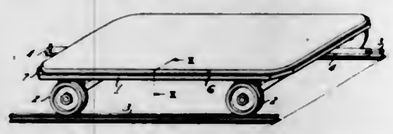
1. A popcorn vending machine which comprises a horizontal multi-bladed paddle wheel measuring device having a hollow hub containing an electric heater, a driving wheel connected thereto and having a depression in its periphery for each blade of the paddle wheel, a spring adapted to fit in one of said depressions so as to prevent forward or backward rotation of said driving wheel while said spring is depressed, a pawl pivotably attached to the shaft passing through the hub of said driving wheel, said pawl having an operating ratchet at one end adapted to fit into another of said depressions on said driving wheel and rotate said driving wheel forward and having the form of a cam at the other end adapted to lift said spring from its depression so as to permit said forward rotation of the driving wheel, means for driving said pawl so as to rotate said driving wheel to the next depression in its periphery, hopper means above said paddle wheel to fill an upper segment of said paddle wheel between two of said blades with popcorn, and funnel means below said paddle wheel to receive popcorn discharged from a lower segment of said paddle wheel by the rotation of the driving wheel.

2,547,292
PACKAGE SELECTOR AND LOADER
Eugene S. Tascher, Ingleside, and Guy Brungard, Upper Montclair, N. J., assignors to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application August 28, 1946, Serial No. 693,440
9 Claims. (Cl. 186—1)



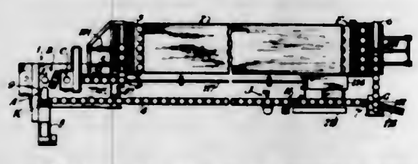
1. In a package selecting and loading means, the combination of a travelling conveyor having a runway along one side thereof, a plurality of package bins each adapted to hold a plurality of packages adjacent said conveyor on the side opposite said runway, the packages next adjacent to the conveyor being within reach of an operator on said runway, whereby the operator may select packages from said bins and place them on the conveyor, means on each bin operable by an operator on said runway to move remote packages on said bin toward said conveyor to bring them within his reach, and a trolley adjacent the runway side of the conveyor adapted to hold an order sheet for packages on the bins and movable by the operator along said conveyor as he moves along said runway and selects packages from said bins as called for by said order.

2,547,293
FOUNDRY CONVEYER PAN
Paul C. Vogel, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 3, 1947, Serial No. 783,811
3 Claims. (Cl. 22—90)



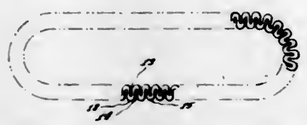
1. A foundry mold conveyer pan comprising a generally flat surfaced metallic base, a metal rim projecting from a flat surface of said base and bordering a substantial area of said flat surface on all sides and a monolithic filling of refractory cement cast in situ in the space bordered by said rim and having its surface in a plane flush with said rim.

2,547,294
APPARATUS FOR MAKING POTTERY WARE
Albert J. Wahl, Pleasant Hills, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 13, 1946, Serial No. 647,289
10 Claims. (Cl. 25—2)



1. Apparatus for making dinnerware comprising an automatic fabricating machine adapted to feed clay to molds delivered thereto and fabricate the clay thereon, said molds being carried in series through the machine, a dryer for drying fabricated ware having a flat surfaced wide conveyor extending therethrough, a transfer conveyor extending transversely of said dryer near its entrance end, means for transferring said molds from said machine to said transfer conveyor, said transfer conveyor carrying said molds across the entrance end of the dryer for forming a row of molds extending transversely of said end, mold pushing means periodically reciprocable in the direction of the travel of said dryer conveyor for engaging each row so formed on said transfer conveyor and moving that row onto said dryer conveyor whereby said molds are carried through the dryer in rows arranged transversely of the dryer conveyor, means for adjusting the frequency of the reciprocation of said pushing means so as to effect actuation of the pushing means after a predetermined number of molds are arranged in a row on said transfer conveyor, a mold return conveyor leading from a mold-receiving position near the discharge end of said dryer conveyor to a mold-delivery position near said fabricating machine, a second transfer conveyor extending laterally from said dryer conveyor for delivering said molds from the dryer conveyor to a position near said mold-receiving end of said return conveyor, a second mold-pushing means periodically reciprocable toward said mold-receiving end of the return conveyor for engaging said delivered molds and loading them in series on said return conveyor, and automatically operable means disposed near said mold delivery end of the return conveyor for returning empty molds to said fabricating machine.

2,547,295
HAIR RETAINING DEVICE
Wendy Weeks, Great Neck, N. Y.
Application November 12, 1948, Serial No. 59,746
6 Claims. (Cl. 132—46)

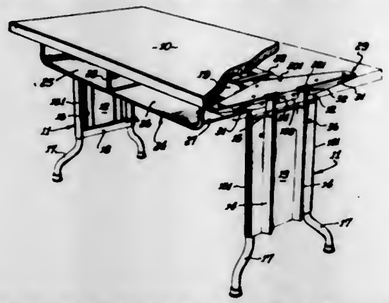


1. A hair-retaining device comprising a series of serpentine portions having sides between which locks of hair may be confined and retained, the portions being enterable from the opposite sides of the device, the ends of the portions being thickened whereby to divide the bending stresses between the sides of the portion and removed from the ends.

2,547,296
VERTICALLY ADJUSTABLE TABLE
James E. White, Los Angeles, Calif.
Application May 17, 1948, Serial No. 27,391
4 Claims. (Cl. 311—39)

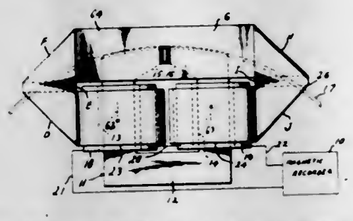
2. A table structure comprising a top, and vertically adjustable end supporting assemblies each including a pair of vertically elongated legs and upper and lower vertically telescopic sheet metal sections extending between said legs, one section being formed to have a vertically extending rib interfitting within a vertically extending recess in the other section, the edges of said lower section being bent about said legs, a transverse bracket plate directly underlying said top and having a depending flange attached to said upper section, a beam extending longitudinally of the table di-

rectly beneath said top and attached to said bracket plate, and means attaching said bracket plate to the top, said sections having a vertically



alined series of registerable openings for reception of a fastener to retain the upper section in different positions of adjustment.

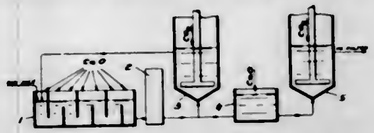
2,547,297
ELECTROMAGNETIC TRANSDUCER HEAD
David E. Wiegand, Villa Park, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application December 24, 1947, Serial No. 793,728
11 Claims. (Cl. 179—100.2)



1. An electromagnetic transducer head assembly comprising a core having a pair of spaced substantially parallel disposed legs, a pair of similar windings mounted on said legs and, means for inducing oppositely directed magnetic fields in said windings, an endless conducting strap partially encircling each of said windings, a bridging conductor connecting spaced points on said endless strap and dividing said endless strap into two symmetrical halves with said bridging conductor common to both halves, said head including means defining a path of travel for a magnetic record member to pass in proximity to said bridging member, whereby incremental lengths of said record member are magnetized when a time-varying current flows through said bridging member and a time-varying voltage is induced in said windings when a variably magnetized record member is passed in proximity to said bridging member.

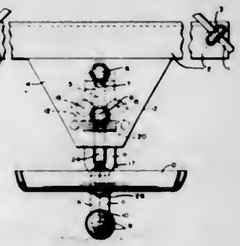
2,547,298
PROCESS FOR PURIFYING JUICE
Olof Wiklund, Malmo, Sweden, assignor to Svenska Sockerfabriks Aktiebolaget, Malmo, Sweden, a corporation of Sweden
Application December 27, 1948, Serial No. 67,383
In Sweden February 9, 1948
19 Claims. (Cl. 127—50)

1. The method of purifying sugar beet juice by predefecation and thereafter by main defecation with lime to an extent effecting substantially optimum precipitation of impurities in colloidal form and thereafter by treatment with CO_2 to effect saturation to an optimum alkalinity conducive to optimum precipitation of calcium carbonate along with impurities, and separation from the juice of the precipitates; characterised by subjecting predefecated juice to a first treatment with CO_2 for effecting its supersaturation beyond the degree normally required to attain optimum precipitation coincident with a significant reduction in alkalinity below optimum, ef-



fecting pre-defecation of the juice in the presence of a quantity of thus supersaturated juice with its precipitate, said quantity being sufficient to produce stabilized aggregations of precipitating matter with carbonate precipitate, subjecting the thus treated juice to main defecation and thereafter to a second treatment with CO_2 to effect saturation to an optimum alkalinity conducive to optimum additional precipitation, and separating the precipitate from the juice.

2,547,299
TRAILER HITCH
Calvin D. Williams, Cloquet, Minn.
Application June 23, 1949, Serial No. 100,249
3 Claims. (Cl. 280—33.44)

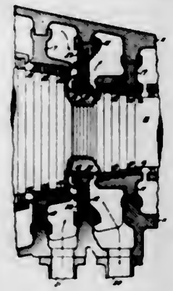


1. A trailer hitch for attachment to a vehicle having a bumper comprising a hitch ball formed of two substantially semi-spherical parts carried in abutting relation, an arm for carrying each of said parts, said arms being vertically and horizontally swingably mountable under said vehicle inwardly of said bumper whereby said parts may be folded under said vehicle beneath said bumper when not in use and will extend outwardly of said bumper when in use.

2,547,300
DIAPHRAGM FOR REHEAT ELASTIC FLUID TURBINES
Charles D. Wilson, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 26, 1949, Serial No. 95,464
7 Claims. (Cl. 60—73)

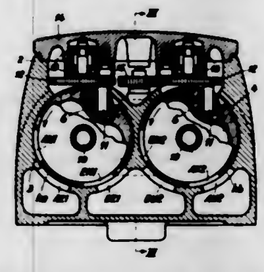
1. In an elastic fluid turbine of the type in which the elastic fluid is withdrawn from a higher pressure stage, reheated, and returned to an adjacent lower pressure stage and having a diaphragm separating said stages, the combination with said diaphragm of jacketing means on the lower pressure stage side thereof through which a fluid cooler than said reheated fluid may

be circulated during operation to maintain the temperature of the lower pressure stage wall of



said diaphragm below the temperature of said reheated fluid.

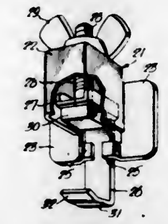
2,547,301
FLOWMETER WITH PISTONS
Hermann Wydler, Berne, Switzerland, assignor to Stoppani A. G., Berne, Switzerland, a joint-stock company of Switzerland
Application September 27, 1946, Serial No. 699,754
In Switzerland October 5, 1946
6 Claims. (Cl. 73—242)



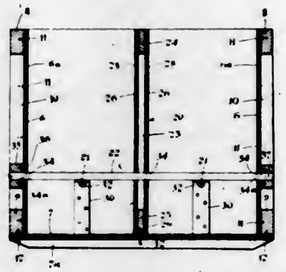
1. In a flow meter, two cylinders lying side by side with their interiors permanently connected with each other at their one end, two rotatable and axially movable pistons, one in each of said cylinders, thus forming a measuring chamber in said cylinders, common to both pistons and limited by the ends of said pistons turned towards the mutual connection of said cylinder interiors, and two separate measuring chambers in said cylinders at the other end of said pistons, there being control ports in the walls of said cylinders and control openings in the walls of said pistons, and means for causing oscillation of said pistons to change the mutual position of said control ports and said control openings to control the inlet and outlet to and from said three measuring chambers.

2,547,302
FRAMELESS SCREEN TENSION
Herman J. Blaser, Fostoria, Ohio, assignor to Keystone Wire Cloth Company, Hanover, Pa., a corporation of Pennsylvania
Application May 24, 1949, Serial No. 95,080
2 Claims. (Cl. 160—328)

1. A tension device for a frameless window screen comprising a bracket adapted to be secured to the lower end of the screen and including offset lugs forming a vertical guide, a sill bracket adapted to be mounted on a window sill, a tension member slidable vertically in said guide and having an upper arm portion and a tongue portion at its lower end adapted to engage under said sill bracket, and means conecting the upper arm portion of the tension member and the bracket operable manually to draw the tension member vertically upward and engage the tongue thereof with said sill bracket to place the screen under tension.



2,547,303
BOTTLE SPACER FOR BOXES
Cyril F. Bowen, Montreal, Quebec, Canada, assignor to G. & J. Esplin Limited, Montreal, Quebec, Canada
Application November 15, 1948, Serial No. 59,994
In Canada October 12, 1948
1 Claim. (Cl. 217—19)

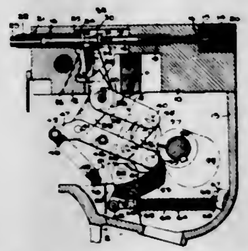


A bottle carrying box including side, end and bottom walls, a plurality of cylindrical spacer bars extending transversely and freely disposed between the opposing side walls, bar supporting members mounted on the bottom wall and flatly secured in an upright position to the inner surfaces of the opposing side walls, said supports being recessed to provide open top bearing surfaces in which said transverse bars are freely supported against lateral displacement, a plurality of cylindrical spacer bars extending longitudinally of the box and at right angles to said transverse bars, said longitudinally extending bars being slidably fitted through openings provided in the end walls of the box to prevent their movement in other than their lengthwise direction, and having intermediate portions overlying said transverse bars in contact therewith to prevent their dislodgement from the bearing surface of said supporting members, reinforcement strips secured against the outer surface of the end walls, said strips being provided with openings therethrough into which the longitudinal bars are slidably fitted, and stapling means carried by said reinforcement strips and extending into the longitudinally extending bars for securing said last mentioned bars against movement in the reinforcing strip openings provided therefor.

2,547,304
EJECTOR MECHANISM FOR HEADING AND LIKE MACHINES

Dennis George Broscomb, Smethwick, England, assignor to G. K. N. Group Services Limited, Smethwick, England, a British company

Application April 18, 1950, Serial No. 156,533
In Great Britain March 19, 1949
8 Claims. (Cl. 74—53)

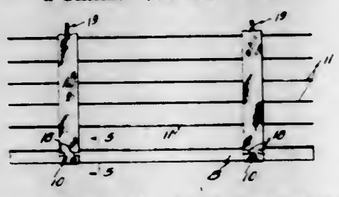


1. Ejector mechanism for heading and like machines comprising a slidably mounted ejector pin, a setting member for setting the initial position of the pin, an operating member for moving the pin to its ejecting position, link mechanism connected to said setting and operating members, an actuating lever for operating said link mechanism, a driving member for oscillating the actuating lever and a single adjusting member acting on said setting and operating members for simultaneously adjusting the initial position of the setting member and the length of travel of the operating member.

2,547,305
BOTTOM RAIL FOR VENETIAN BLINDS

Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y.

Application November 22, 1947, Serial No. 787,555
1 Claim. (Cl. 160—178)



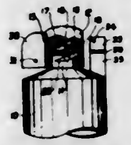
In a bottom rail assembly for Venetian blinds, a metal bottom rail, substantially U-shaped in cross section, and formed with outwardly projecting flanges on the upper ends of the side walls, a top strip forming a closure for the open top of the bottom rail with its edges turned in interlocking engagement with said flanges to form a thin, laterally projecting rib simulating the edge of a Venetian blind slat, opposed clips pressed in the side walls of the bottom rail for engaging and holding the blind ladder tape against said walls, and plugs pressed into and flush with the ends of the rail to reinforce said bottom rail and form a mounting surface for conventional hardware.

2,547,306
TUBE CLOSURE

Cedric B. Cooper, Vancouver, British Columbia, Canada

Application December 11, 1946, Serial No. 715,572
7 Claims. (Cl. 220—39.5)

1. A closure for tubes having a neck, comprising a cap adapted to fit over the neck, means for raising the cap to the top of the neck, a lug projecting outwardly from the cap, a vertical support fixedly mounted on the top of the tube adjacent the neck, and means on the lug for engaging the



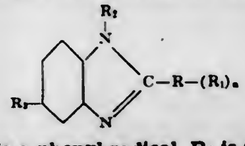
support when the cap reaches the top of the neck when it is free of the latter, said cap being adapted to be pivoted on the support away from the neck.

2,547,307
YELLOW DIFFUSION-FAST COLOR FORMERS OF THE BENZIMIDAZOLE CLASS

Winfred C. Craig, Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application November 9, 1948, Serial No. 59,203. Divided and this application February 11, 1950, Serial No. 143,833
4 Claims. (Cl. 260—309)

1. Compounds of the following formula:

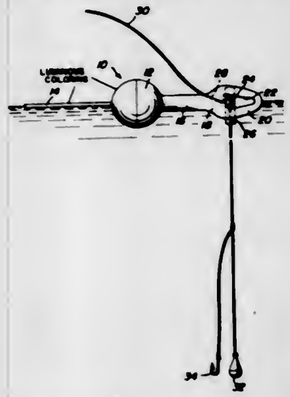


wherein R is a phenyl radical, R_1 is the grouping —NH.CO.CH_2.A, R_2 is an alkyl radical containing at least 10 carbon atoms, R_3 is a water solubilizing group, n is selected from the class consisting of 1 and 2, and A is a member of the class consisting of alkyloyl, aroyl, cyano and carbethoxy.

2,547,308
LUMINOUS FISHING FLOAT

John H. Dean, Rochester, N. Y.

Application November 14, 1949, Serial No. 127,000
5 Claims. (Cl. 43—17.6)

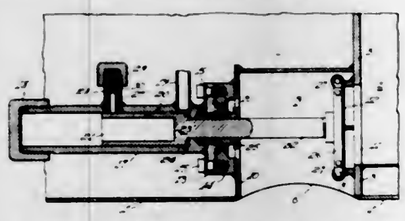


1. A fishing float comprising an elongated body member having a first luminous end portion and a second end portion, a line receiving element slidably mounted in the second end portion of said body member, and a line slidably carried by said element, said body member being swung so as to turn upwardly the luminous end portion upon sliding movement of said element in response to a pull on the element by a fish followed by a further pull on the line.

2,547,309
PNEUMATICALLY ACTUATED OPERATOR FOR REMOVING RIP COVERS FROM TANKS

William B. Elmer, Boston, Mass., and Ralph R. Rimer, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 22, 1946, Serial No. 664,112
2 Claims. (Cl. 121—40)



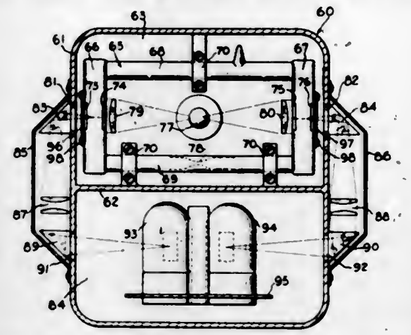
1. A pulling engine, for opening the cover of a sea water port of an electric torpedo battery, comprising a pressure cylinder, a piston structure having a head portion axially displaceable in said cylinder and a stem portion extending axially out of said cylinder for attachment to the port cover to be opened, said head portion and said cylinder forming together two cylinder spaces at axially opposite sides respectively of said head portion, a conduit attached to said cylinder and communicating with one of said spaces to supply fluid pressure for displacing said piston structure, said cylinder being closed so as to seal said other space, a sealed tubular member mounted on said cylinder and communicating with the interior of said cylinder, a locking pin slidably disposed in said member, and a spring in said member for biasing said pin toward said structure, said pin being tubular to equalize fluid pressure on the cylinder side and spring side of the pin, said structure having a locking surface to permit said pin to enter into locking engagement with said structure after displacement of said structure.

2,547,310
PHOTOELECTRIC, LIQUID-LEVEL INCLINOMETER

Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 14, 1947, Serial No. 768,604
2 Claims. (Cl. 33—209)

2. In an inclinometer, the combination of a casing having upper and lower chambers and communicating passageways connecting the adjacent sides of the respective chambers, a liquid container in one chamber, said container having a U-shaped portion, a substantially opaque liquid within the container forming columns extending partially up the sides of the U-shaped portion, said sides having transparent windows adjacent the tops of the columns and in alignment with said passageways, a light source positioned between the sides of the container to direct light rays across the tops of the columns, a pair of light responsive cells in the other chamber and in alignment with the passageways, and reflectors and lenses in the passageways for directing onto the respective cells light rays which pass across

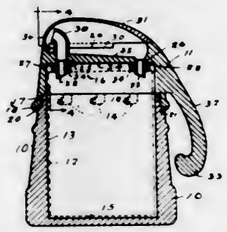


the tops of the respective columns whereby tilting of the container in a vertical plane will produce different responses in the respective cells.

2,547,311
CAN HOLDER WITH PERFORATING DISCHARGE AND VENT TUBES

Edgar N. Genovese, Baltimore, Md.

Application June 25, 1946, Serial No. 679,230
3 Claims. (Cl. 222—86)



1. A dispensing unit for holding and dispensing canned liquids comprising, a body internally fitted and recessed to take a can of liquid, a cap having an opening in its wall and mountable on said body and adapted to enclose the upper portion of said can, tubular means operated by said cap to perforate the can and allow the emission of its contents, and means connected with the cap for permitting the liquid to be poured therethrough and to catch and return drippings thereof back into the can, without allowing any of said liquid being poured to run down the exterior of the cap or body, said cap forming a cover over both of said means and adapted to be locked to said body while the can is perforated and placed therein.

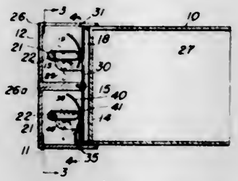
2,547,312
ANIMATED ATTACHMENT FOR DRINKING GLASSES

Edgar N. Genovese, Baltimore, Md.

Application July 25, 1947, Serial No. 763,614
3 Claims. (Cl. 46—116)

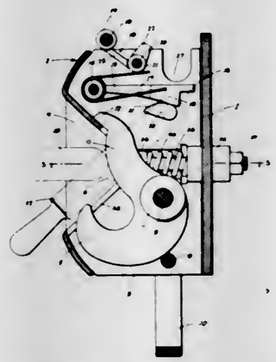
1. A receptacle adapted to be fitted at the transparent bottom of a drinking tumbler comprising a cylindrical side wall fitting on the side wall of the tumbler and a base closing the side wall of the receptacle, a central projection extending from said base towards the bottom of the tumbler, a disc rotatably mounted on said projection and having a simulation of a human face painted

thereon so as to be seen through the bottom of the tumbler, said disc having openings therethrough representing the eyes and mouth of the human face, and gravity operated means in said



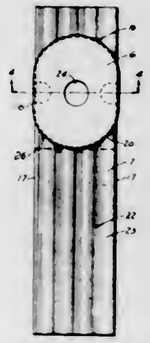
receptacle including eye elements and a mouth element to cause movements of the eye and mouth elements to appear through the openings on said disc as the receptacle is moved with the tumbler in the use thereof.

2,547,313
AUTOMATIC TRAILER COUPLING
John R. Gosser, Holt, Calif.
Application December 7, 1948, Serial No. 63,911
4 Claims. (Cl. 280—33.15)



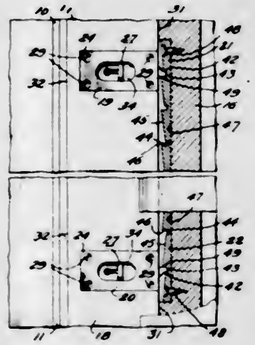
4. A coupling for engagement with a vertical axis draft eye, comprising a support, an initially lowered, upwardly opening hook, means transversely pivoting the hook on the support for upward swinging motion through the eye when the latter is in a predetermined position relative to said support, an upstanding trigger shank on the hook, movement of the eye to said predetermined position causing the eye to engage and move the trigger shank in a direction and to a certain position to swing the hook upward through the eye, a longitudinal latch bar transversely pivoted on the support above the trigger shank to engage and latch the trigger shank when the latter is in said certain position, hand means to raise the latch bar clear of the shank; the support including spaced side walls between which the latch bar is disposed, and a safety lock unit above said bar and comprising a locking dog pivoted on said walls above the bar and adapted when depending to bear on top of said bar and prevent raising thereof, an arm rigid with the dog and projecting radially and upwardly from the pivot, a transverse sleeve on the upper end of the arm overhanging one side wall and resting thereon when the unit is swung in one direction to dispose the dog in an inoperative position, and a transversely shiftable spring-pressed locking pin in the sleeve, the other wall having an opening to receive the pin when the unit is swung on its pivot in the opposite direction to dispose the dog in a depending bar engaging position.

2,547,314
INSECTICIDE CONTAINER
Philip J. Grant, Oakland, Calif.
Application August 14, 1944, Serial No. 549,448
4 Claims. (Cl. 43—131)



1. In an insecticide holder, a supporting standard having a side formed with vertically extending corrugations, an insecticide receptacle having an open end and positioned on the standard intermediate the top and bottom thereof and with said end facing and substantially abutting said corrugations whereby passages to and from the interior of the receptacle will be defined at the upper and lower side portions of the receptacle, and means securing the receptacle to the standard in the position aforesaid.

2,547,315
SLIDING WINDOW FASTENER
Roy W. Gray, St. Joseph, Mo.
Application January 3, 1949, Serial No. 68,768
2 Claims. (Cl. 292—175)



2. A fastener for sliding window sashes and the like including, a latch housing with a latch bolt bore extending longitudinally therein and having a slotted opening extending from said bore through a side of the housing, a compression spring and a latch bolt in said bore, and an operating stud connected with latch bolt and extending through the slot in the housing for operating the bolt against the action of said spring to a retracted position; said bolt comprising a cylindrical member having a substantial portion of one side of its projecting operating end cut away to present a substantial surface on its back side and the projecting reduced portion terminating in a rounded surface extending crosswise of the bolt body; and a latch plate for cooperating with said operating end of the latch bolt comprising a longitudinal plate having a series of inclined surfaces each terminating in a rounded depression into which the rounded terminal end of the bolt is projected under the influence of said compression spring, followed by an abrupt shoulder defining the outer end of the next succeeding inclined surface against which the front side of the latch bolt is adapted to engage as a stop to prevent movement in the direction of the next inclined surface portion of the latch plate, while the latch bolt will yield to retraction of its rounded end from the rounded depression in the latch plate for movement along the inclined surfaces thereof in the opposite direction.

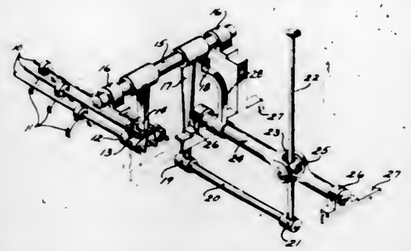
2,547,316
SWIVEL JOINT
Donald A. Gross, San Antonio, Tex.
Application December 16, 1946, Serial No. 716,660
1 Claim. (Cl. 285—97.5)



A coupling for joining two hose sections for relative rotation comprising an internally threaded sleeve adapted for non-rotatable connection to one hose section; a nipple threaded in one end of said sleeve, said nipple having a threaded bore; a pair of externally threaded bearing sleeves threaded into the bore of said nipple, said bearing sleeves having registering bearing openings; packing interposed between said bearing sleeves; a hollow shaft extending through and rotatable in the bearing openings; means holding the shaft against withdrawal from said openings; and a hose fitting rigid with said hollow shaft and connectable to the other hose section.

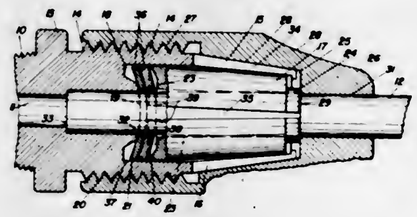
2,547,317
TRANSMISSION SHIFTING DEVICE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application December 17, 1948, Serial No. 65,841
1 Claim. (Cl. 74—473)

In combination with a gear transmission adapted to be shifted through sliding and rocking movement of a single member, means for actuating said member from a remote position including a reciprocable link connected with said member to rock it, a rockable shaft connected with said member to reciprocate it, said shaft having an opening therethrough, a lever extending through said opening, a pivoted support for the lever transverse to and intersecting the axis of the shaft, and a connection between an end of the lever and said reciprocable link whereby the opposite end of the lever will be operable



selectively to reciprocate said link or rock said shaft.

2,547,318
TUBE AND PIPE FITTING
Hiram R. Harding, Baltimore, Md., assignor of fifty per cent to Harry E. Karr, Baltimore County, Md., and twenty-five per cent to Logan C. Harding, Hopewell, Va.
Application November 15, 1948, Serial No. 60,018
2 Claims. (Cl. 285—123)

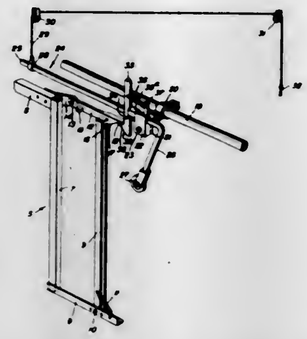


1. The combination of a pair of coupling members arranged for engagement with each other, one of said members having stepped internal bores and an outer threaded portion and an integral, tapered, slotted extension adjacent to said threaded portion, a smooth tubing received in one of said internal bores and abutting a shoulder therein, a plurality of bent washers received in another of said bores and abutting a shoulder therein, said washers straddling said tubing, a hollow tapered plug about said tubing abutting said washers, said plug being longitudinally slotted, the other of said coupling members having internal threads to engage the threaded portion of said first coupling member and having a sleeve portion slidably engaging said tubing and an internal abutment engaging said tapered plug, whereby screwing of the second member upon the first member forces said plug against said washers and causes the latter to straighten and firmly grip said tubing.

2,547,319
STANCHION
Roy F. Harding, Charlo, Mont.
Application January 28, 1948, Serial No. 4,913
7 Claims. (Cl. 119—147)

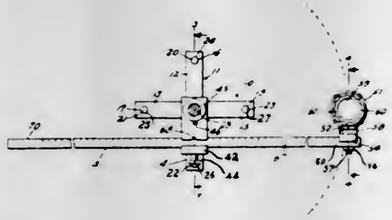
1. In a structure of the class described, a stationary support, fixture means rigidly mounted on said support, a counterbalanced self-righting L-shaped lever pivotally mounted for swinging on said fixture means, a pull cord adjustably con-

nected to said lever, a cushioned roller mounted on said lever, a stationary frame member, a primary gravity actuated pivotally mounted latch



on said frame member and having a detent, and a secondary latch pivotally mounted on said L-shaped lever and having a detent releasably engageable with said primary latch.

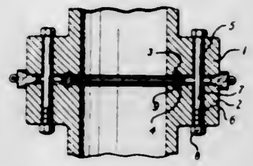
2,547,320
RADIUS GUIDE FOR CUTTING TORCHES
Herbert S. Hedley, Banning, Calif.
Application October 2, 1945, Serial No. 619,738
3 Claims. (Cl. 33—27)



1. A cutting torch guide comprising a spider having a centering rod axially adjustably mounted thereon, a carrier arm axially adjustably and rotatably mounted on said rod above said spider, a sealed radius rod longitudinally adjustably mounted on said carrier arm, and a socket member adjustably mounted on said radius rod to hold a cutter torch tip at various angles, for cutting beveled edged circular holes in substantially flat sheet material, the radius rod being mounted transversely of said carrier arm and spaced from said centering rod a distance roughly corresponding to the distance of a cutter torch tip from the radius rod during operation of the cutter torch guide.

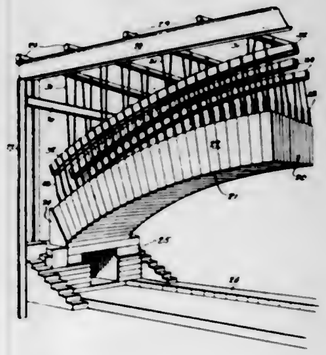
2,547,321
FLANGED COUPLING SEAL
Adam Henderson, Houston, Tex.
Application August 20, 1947, Serial No. 769,707
2 Claims. (Cl. 285—130)

1. In combination, a flanged joint formed by a pair of connected flanged elements having a sealing ring therebetween whereby the abutting faces of said flanges are spaced apart from each other to provide an annular space circumferentially around the ring, and a plurality of arcuate segments of malleable material engaged within the outer portion of said annular space, with each end of each segment having sealing contact with the end of the adjacent segment whereby said segments co-act with each other to completely close the annular space, each segment being



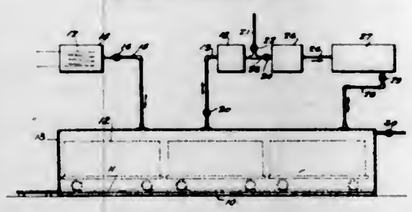
wedge-shaped in cross-section and insertable within the annular space with the apex of the wedge directed toward the axis of the flanged joint and of a size less than the width of the annular space, whereby said apex portion may be readily driven into said annular space.

2,547,322
SUSPENDED REFRACTORY BRICK AND INTERPOSED OXIDIZABLE METALLIC PLATE FURNACE ROOF AND PROCESS OF CONSTRUCTING THE SAME
Russell Pearce Heuer, Villanova, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
Application January 23, 1946, Serial No. 642,907
14 Claims. (Cl. 110—99)



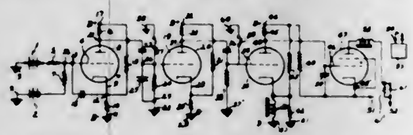
6. In a suspended furnace roof, a group of basic refractory roof brick arranged side by side, unyielding oxidizable metallic plates interposed laterally between brick, and hangers each supporting a pair of brick and at least some of the hangers in the group being pivotally supported above and to one side of a vertical line through the center of gravity of the pair of brick and swingable to provide a lateral component of the gravitational force on the brick to bring pressure against the plates, the hangers which are supported above and to one side in the same group of brick all having pivotal support offset to the same side of the vertical line through the center of gravity of the suspended brick, and a lateral support in the direction of lateral pressure.

2,547,323
UNBURNED REFRACTORY BRICK MAKING
Russell Pearce Heuer, Villanova, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
Application June 20, 1947, Serial No. 756,001
9 Claims. (Cl. 25—156)



1. The process of making refractory brick, which comprises molding into brick a non-acid refractory brick mix comprising magnesia, and treating the brick with gaseous carbon dioxide.

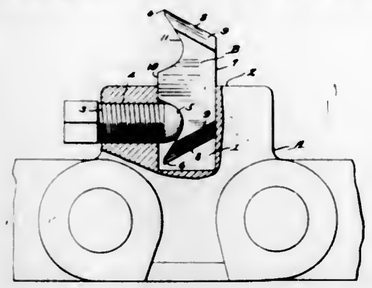
2,547,324
APPARATUS FOR DETERMINING THE VOLTAGE OF A BATTERY
Samuel C. Hurley, Jr., Danville, Ill.; Wilmina L. Hurley, executrix of said Samuel C. Hurley, Jr., deceased, assignor to Wilmina L. Hurley, Danville, Ill.
Application November 26, 1945, Serial No. 630,899
1 Claim. (Cl. 175—183)



An apparatus for determining the voltage of an unknown battery comprising means connecting said unknown battery and a battery of known voltage in parallel to a common connector, a voltage dropping resistor between each battery and said common connector, a condenser having connections with said common connector such as to be charged with the voltage at the point of the common connector, an amplifying tube having an anode circuit, a cathode circuit and a control grid, means for biasing said control grid with said charge thereby providing a pulse on said tube, a second amplifier for amplifying said pulse, means for indicating the amplifying pulse, and means including a switch for grounding said condenser to remove the charge after said indication.

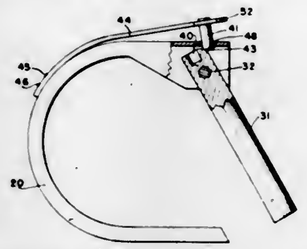
2,547,325
MINING MACHINE CUTTER BIT
Parker L. Johnson, Hazard, Ky.
Application March 13, 1947, Serial No. 734,487
1 Claim. (Cl. 262—33)

In a cutting chain, chain links, bit blocks having bit chambers, each chamber having a threaded opening formed in the front wall thereof, an elongated double ended bit removably fitted within the chamber of each link, the front and rear faces of the bit contacting the front and rear walls respectively of said chamber, said bit having curved recesses formed in the front face thereof, the curved recesses extending to the ends of the bit providing cutting points, the ends of the bit being downwardly inclined towards the rear side of the bit, and a ball pointed set screw extended through the threaded opening and engaging within a recess in the face of the



bit adjusting and securing the bit within the bit chamber in which the bit is positioned.

2,547,326
COUPLING PIN
Robert E. Kellogg, Nevada, and Everett J. Kellogg, Columbus, Ohio
Application August 28, 1947, Serial No. 771,110
2 Claims. (Cl. 85—5)

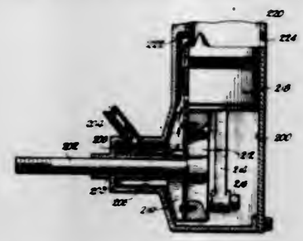


1. In combination, a coupling pin; a substantially C-shaped retaining frame for retaining the pin in coupling position; pin means extending transversely of the coupling pin for pivotally supporting the coupling pin to a leg of the C-shaped frame; a retaining pin extending through the frame and movable to aligned position with the coupling pin when the frame is moved to closed position, one of said pins having a substantially longitudinal bore therein for receiving the other of said pins; and a leaf spring closely embracing the outer part of the C-shaped frame and having one end secured to the frame, said retaining pin being secured to the other end of the leaf spring, said leaf spring being inherently biased to force the retaining pin inwardly.

2,547,327
COMBINED INTERNAL-COMBUSTION ENGINE AND SUPERCHARGER
Arthur S. King, Kansas City, Mo.
Application April 22, 1946, Serial No. 663,989
2 Claims. (Cl. 123—65)

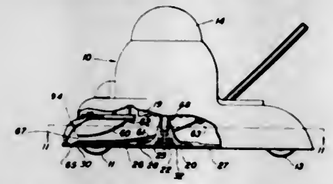
1. In an internal combustion engine having a housing provided with a crankcase, a crank shaft, and a piston in the cylinder operably connected to the crank shaft; a rotatable impeller in the crankcase; means for directing fuel and air mixture to the impeller at the axis of rotation of said impeller; a conduit formed in one of the walls of said housing and disposed to direct said mixture from the periphery of said impeller to the cylinder on one side of the piston when the latter is

at one end of its path of travel; and means for redirecting said mixture into the housing at the



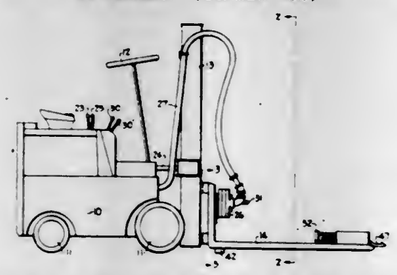
opposite side of the piston when the latter is at the opposite end of its path of travel.

2,547,328
LAWN SHAVER
Erich J. Koch and Benjamin D. Albin, Los Angeles, Calif.
Application March 9, 1946, Serial No. 653,310
14 Claims. (Cl. 56—25.4)



1. In a machine for shaving lawns, a power-driven rotor blade rotatable on a vertical shaft, and means for adjusting the height of the rotor blade above the ground, said means comprising splines on the shaft and corresponding splines on the hub of the rotor blade, an adjustable nut for adjusting the vertical position of the hub on the shaft, and a spring means for tending to keep the hub in the lowest position permitted by the nut.

2,547,329
INDUSTRIAL TRUCK
Sidney D. Lapham, Contra Costa County, Calif.
Application November 8, 1947, Serial No. 784,819
14 Claims. (Cl. 214—82)



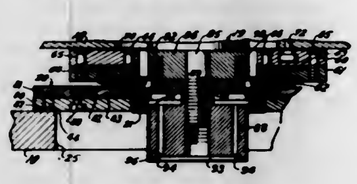
2. A truck platform comprising a load supporting member, a loading carriage mounted on said member for reciprocating movement thereon, a tensile load-engaging element on said carriage, a plug piece movably mounted on said carriage for covering said load-engaging element in one position of the plug piece and exposing said load-engaging element in another position of the plug piece, a latch locking said plug piece in one of said positions, resilient means urging the plug piece to the other of said positions, and means on said platform engageable by said carriage at different positions of the carriage on the platform for releasing said latch and for moving the plug piece to its locked position, respectively.

2,547,330
FISHING REEL
Alexander B. Lauterbach, Utica, N. Y., assignor to Horrocks-Ibbotson Company, Utica, N. Y., a corporation of New York
Application December 12, 1947, Serial No. 791,345
1 Claim. (Cl. 242—84.7)



In a free spool reel, a left head plate, a right head plate, a spool having circular end plates disposed between and rotatably supported by the head plates, a clutch member fixed to the end plate of the spool adjacent the right head plate and co-axially of the spool, a second clutch member and a pinion unitary therewith rotatably supported by the right head plate and being mounted for axial sliding movement relative to the fixed clutch member, a drive gear rotatably supported by the right head plate and being in driving engagement with said pinion, an elongated flexible clutch member shifting arm having one end secured to the right head plate and the other end forked and operatively engaged in a race between the slidable clutch member and pinion; the improvement in means for moving the arm laterally to effect engagement and disengagement of the clutch members comprising a spring disposed between the right head plate and one side of the arm for normally urging same in one direction to move the slidable clutch member into operative engagement with the fixed clutch members, a bar slidably supported by the right head plate and bearing on the opposite side of the arm, and a cam lug on said bar engageable with said arm to move same in an opposite direction against the action of said spring to disengage said clutch members, a spring cooperating with said right head plate and said bar for normally urging same in one direction with said clutch members engaged, a notch in one edge of said bar, a ratchet wheel supported by and rotatable with said gear, a lever pivotally supported intermediate its ends by said right head plate, one end of said lever having a notch engageable foot normally resting on the edge of said bar adjacent said notch, spring means urging said lever in a direction to urge said foot into said notch upon movement of said bar to a position in which the cam lug engages the arm, the other end of said lever having a square ended finger engageable with a tooth of said ratchet wheel when said lever tooth is in said notch, and the face of an adjacent tooth of the ratchet wheel engaging said finger upon rotation of the gear and ratchet wheel to move said lever tooth out of said notch for movement of said bar to normal position by means of said spring.

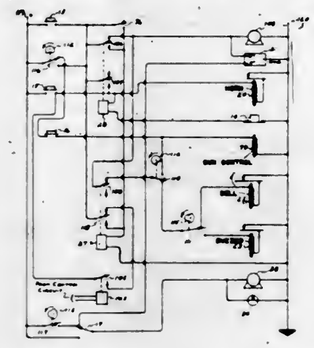
2,547,331
FORMING AND DRAWING PRESS
Edward B. Lent, Downers Grove, Ill., assignor to Noah S. Andrews, Sol Andrews, and Edward B. Lent, Chicago, Ill., trustees of Sansa Enterprises, a business trust
Application September 6, 1949, Serial No. 114,262
8 Claims. (Cl. 18—19)



5. In a forming and drawing press for sheet material, the combination of a female die having horizontal and vertical portions joined by a flared section, the flared portion of the die being characterized by its absence of small-radius curves, and the vertical portion of the die conforming in shape to that of the article being processed, said female die having a substantially right angle stripping shoulder beneath the vertical section of the die, a male die adapted to enter the female die to form and draw the desired article, a trimming die mounted coaxially with the male die and movable therewith, spring means continually urging the trimming die toward the top of the male die, said trimming die bottoming on the flared section of the female die to pinch trim the article after the male die has descended into the female die a distance corresponding to the desired depth of the article being processed, the trimming of said article on the flared section of the female die prior to passage of the top margin of the article across the vertical section of the die causing said top margin to expand slightly when the male die passes completely through the female die, whereby on the return stroke of the male die the finished piece strikes said right angle shoulder and is stripped from the male die, said male die being provided with air-relief ports communicating with the bottom of the finished piece to facilitate stripping.

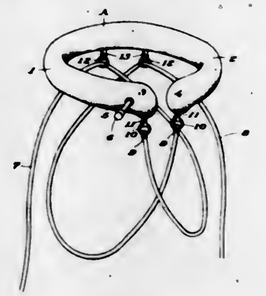
2,547,332
DEVICE FOR STARTING RACES
Boyd Bryan Loveless, Richard Jackson Alhand, and Basil Stafford Sample, Danville, Ill., assignors to Electric Eye Equipment Company, Danville, Ill., a corporation of Delaware
Application September 23, 1949, Serial No. 117,414
1 Claim. (Cl. 177—384)

An automatic starter for races comprising in combination three different audible signalling means and switching means for each connected therewith, an electric circuit connected with said signalling means having a source of power, separate timing means connected in said circuit to operate each of said switching means such that said signalling means are actuated in succession at different time intervals, a fourth audible signalling means connected through other switching means to said circuit and actuated when a false start is made comprising means projecting a beam of light across the starting line, means chopping said light thereby creating a pulsating beam, photoelectric means positioned to receive said light pulses, electronic means connected with said photoelectric means in said electric circuit responsive solely to an interruption of said pulsating light beam including relay means simultaneously actuating the switching means for the last actuated signalling means and



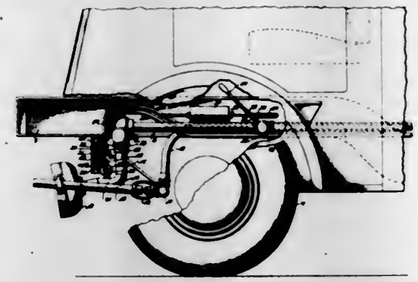
thereby actuating said fourth signal means when a false start is made, and means for manually initiating and resetting the operation of said timing means, said switching means and said audible signalling means.

2,547,333
SWIMMER'S LIFE BUOY
Werner J. Lund, Staples, Minn.
Application March 18, 1948, Serial No. 15,572
1 Claim. (Cl. 9—17)



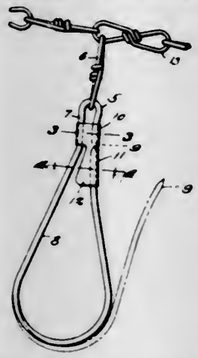
In a safety swimming appliance, a buoyant yoke having a tubular cross-section adapted to be arranged around the neck of the user, so that the yoke lies substantially parallel to the shoulders of the user, said yoke having side portions of reduced diameter, the medial portion of said yoke being curved for fitting snugly beneath the user's chin to support the user's head, the rear ends of said yoke being spaced apart from each other, a first pair of spaced tabs extending downwardly, respectively, from the rear ends of said yoke, a ring connected to the lower end of each of said tabs, a pair of straps each having a snap fastener thereon and respectively engaging said rings, a second pair of spaced tabs dependingly carried by the medial portion of said yoke, a ring connected to the lower end of each of said second pair of tabs, said straps being adapted to be crossed in back of the user, then extended through said last-named rings, wrapped around the chest of the user, and the free ends of said straps adapted to be fastened together.

2,547,334
FIRE-EXTINGUISHING APPARATUS
Merrill G. Marshall, Homewood, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application October 21, 1947, Serial No. 781,028
11 Claims. (Cl. 169—2)



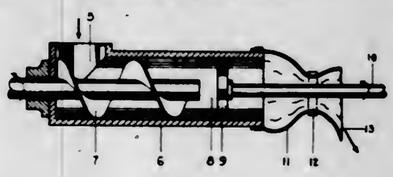
4. Apparatus for delivering fire extinguishing medium comprising a discharge device, means pivotally mounting said device for oscillating movements about a vertical axis to thereby direct the discharge issuing from the device from side to side, a double acting piston and cylinder connected to said mounting means for causing continuous side to side movements of the discharge device, a control valve for alternately delivering fluid pressure to and exhausting it from each side of the double acting piston, operating means for said control valve comprising a crank arm rigidly joined to the control valve, a rocker arm pivotally connected coaxially with said crank arm, resilient means connecting said crank arm and said rocker arm, means connecting said rocker arm and said mounting means so that oscillating movements of said mounting means are translated to said rocker arm, the oscillations of said rocker arm causing said resilient means to actuate said crank arm to cause automatic operation of said control valve, a valve to regulate the supply of fluid pressure to said control valve, and a separate valve for regulating the delivery of fire extinguishing medium to the discharge device.

2,547,335
FISH STRINGER
Elwood T. May, Shreveport, La.
Application July 10, 1946, Serial No. 682,626
1 Claim. (Cl. 24—161)



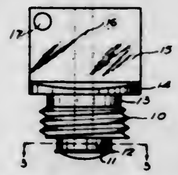
A fish stringer comprising a length of wire material bent upon itself adjacent one end to provide a loop for receiving a supporting element, one side portion of said loop immediately above said end being inclined outwardly relative to said end of the wire material, there being a straight portion of said material below the loop substantially parallel to said end and integral with the other side of the loop, a tubular guide clamped to said straight portion and said end below the loop, said inclined loop portion preventing slippage of the tubular guide in one direction, the opposite end of the wire material being bent upon itself to provide an enlarged open hook, one side of said opposite end being integral with said straight portion and being inclined relative to said straight portion oppositely to the direction of inclination of said loop portion and extending in a direction from said guide opposite to said inclined loop portion to prevent slippage of the guide on said wire material in the other direction, and ears integral with said tubular guide and proportioned to receive the last-named end of said wire material.

2,547,336
GRINDING MICA
William T. McDaniel, Jr., Asheville, and John R. Le Grand, Wilmington, N. C., assignors to Tennessee Valley Authority
Application August 17, 1949, Serial No. 110,822
4 Claims. (Cl. 241—4)



1. A process for producing wet-ground mica which comprises adding water to coarse mica in such proportions that the resulting stiff, non-fluid mass contains from about 15 to about 35 weight per cent of water; introducing such moistened mica into a disintegrating zone; therein maintaining pressure of from about 3 to about 11 p. s. i. g. on said moistened mica while agitating the mica for a period of from about ½ minute to about 3 minutes, thereby disintegrating coarse particles of mica into finer particles; and withdrawing disintegrated mica from said disintegration zone.

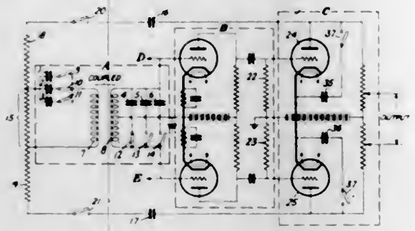
2,547,337
HOT-WATER BOTTLE STOPPER OR CORK
Harold E. McKeen, Vancouver, British Columbia, Canada
Application November 4, 1948, Serial No. 58,171
1 Claim. (Cl. 150—8)



A hot water bottle stopper comprising a body of transparent material having a threaded shank, an annular recess at the lower end of said shank adapted to receive a washer, a lateral flange at the upper end of said shank, and an upstanding rib extending diametrically of said shank and

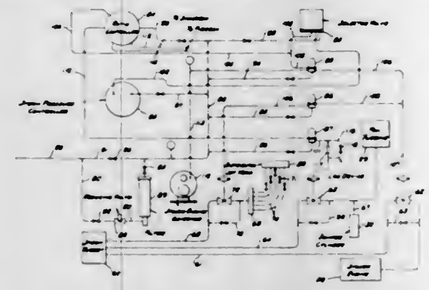
flange, said rib being of rectangular shape in cross section and having a vertical bore in the center thereof opening through the top of the rib and extending into the said shank for receiving a thermometer.

2,547,338
SQUARE-WAVE GENERATOR
Montford Morrison, Upper Montclair, N. J.
Substituted for application Serial No. 501,786, September 10, 1943. This application November 21, 1945, Serial No. 629,942
2 Claims. (Cl. 250—36)



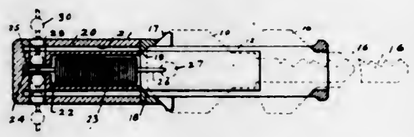
1. A system for generating electrical oscillations comprising a voltage divider member, a first tuned circuit comprising a series connected inductance and capacity connected across spaced positions on said member, a parallel tuned circuit coupled to said first tuned circuit, an amplifier coupled to said parallel tuned circuit, the structural form of the grid circuit of said amplifier causing greater distortion in the output circuit thereof for waves of one polarity than for waves of the opposite polarity, and feedback means applying the output of said amplifier across said member.

2,547,339
LOCOMOTIVE COMBUSTION CONTROL
Fred D. Mosher, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 6, 1947, Serial No. 784,365
6 Claims. (Cl. 236—26)



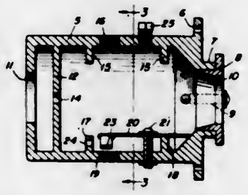
3. A combustion control system for use in a mechanically fired and drafted steam locomotive provided with a stoker engine, a stoker distributor jet head, an induced draft fan turbine and an ash pan air damper operating motor cylinder, said system comprising air pressure loading means responsive to varying demands on the locomotive boiler for steam for effecting corresponding proportionate varying loading air pressures, supply lines for supplying steam to said stoker engine, distributor jet head, fan turbine and damper operating motor cylinder, pressure sensitive valves in throttling relation to the steam supply of the stoker engine and fan turbine, said valves being responsive to said varying loading air pressures for correspondingly varying the speed of the stoker engine and fan turbine, a connection from the steam supply of the turbine fan to the damper cylinder for controlling the position of the damper, and a pressure sensitive valve associated with the steam supply of the stoker distributor jet head, said last named valve being responsive to said varying loading air pressures for admitting steam to the stoker distributor jet head.

2,547,340
KEY DETACHMENT DEVICE
Joseph Mullan, Baltimore, Md.
Application April 9, 1946, Serial No. 660,729
3 Claims. (Cl. 70—414)



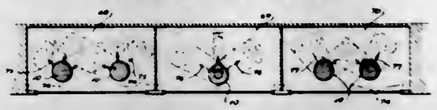
1. A key detachment device comprising a housing having a cylindrical chamber therein, a tension spring in said chamber having one end positively anchored to said housing, a tubular cylindrical guiding member keyed to said housing and having its interior in communication with the aforesaid chamber, said guiding member having opposite longitudinal slots through its wall adapted to engage the head of a key, and the free end of said spring adapted to be secured to the head of the key, whereby said spring will be stretched when the key is engaged in a lock and said spring will retract the key within said guiding member when the key is free from the lock.

2,547,341
VAPORIZING-TYPE OIL BURNER
Charles D. Nicholson, Stillwater, Minn., assignor of one-half to Arthur A. Skauge, Austin, Minn.
Application September 9, 1948, Serial No. 48,467
4 Claims. (Cl. 158—91)



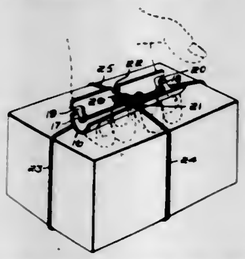
1. An oil burner comprising a hollow body forming a combustion chamber having an air inlet at one end and an outlet at its opposite end, a nozzle in the outlet, an oil supply port in the bottom of the body, a vaporizer supported in the body above the oil supply port, a starting wick carried by the vaporizer, and an air deflector in the body between the inlet and the vaporizer and obstructing direct passage of air through the body.

2,547,342
REFLECTING MAT FOR DISPLAY WINDOWS
Patrick A. Nirdlinger, Chicago, Ill.
Application December 3, 1946, Serial No. 713,676
17 Claims. (Cl. 240—6)



8. In combination with a display window or the like having articles therein for display purposes, a projector lamp above the display articles, a flexible specular mat positioned between the observer and the display articles and below the articles and conformable to reflect either or both flood or concentrated spot beams to illuminate the articles, said mat including a plurality of longitudinally extending specular facets arranged transversely of the mat and having flexible concave reflecting surfaces, and the upper and lower edges of said facets being connected to adjacent facets by inclined sides facing the observer, said concave reflecting surfaces intercepting the light beam from said projector lamp and reflecting it toward said display articles so that the reflected light beams from each of the facets escape impingement upon an adjacent inclined side.

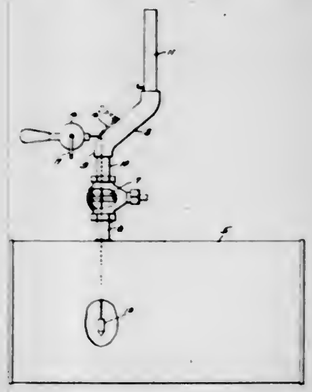
2,547,343
HANDGRIP FOR CARRYING PARCELS, PACKAGES, BUNDLES, ETC.
Edward K. O'Loughlin, Brookline, Mass.
Application March 5, 1949, Serial No. 79,816
3 Claims. (Cl. 224—57)



1. A hand grip, for carrying an article having a binding cord extending thereover, comprising a plate of thin rigid material having an aperture at each end and spaced therefrom centrally of its width and having a bayonet slot at each end, with one section of each slot opening through an end of the plate and with said sections extending inward in alinement with each other and offset from the apertures and with the other section of each slot extending angularly from the first section into the adjacent aperture, the said grip acting, when moved edgewise under the cord, to cause the cord successively to ride on to the plate, to drop into the first sections of the two slots, and then to slide through the angular sections into the apertures.

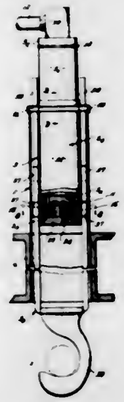
2,547,344
GAS BY-PASS FOR STORAGE TANK GAUGING PIPES
Wilburn C. Sanders, Grandview, Tex.
Application October 29, 1945, Serial No. 625,236
1 Claim. (Cl. 220—85)

A gas fume by-pass pipe attachment for gauge pipes of oil tanks, comprising a main pipe section having offset ends, one of the offset ends being secured to the open end of the gauge pipe of an oil storage tank, the pipe attachment being disposed at an oblique angle with respect to the vertical with its discharge end extended upwardly an appreciable distance above the discharge end of the gauge pipe on which the attachment is positioned, said attachment pipe



having a gauge opening in the wall thereof in direct alignment with the gauge pipe, through which a gauge line is dropped, a hinged closure mounted on the attachment partially closing the opening around a gauge line dropped therein, and a pipe extending into the free end of the attachment through which gas fumes are discharged an appreciable distance above the end of the gauge pipe.

2,547,345
APPARATUS FOR ATTACHING AND DETACHING MACHINE PARTS
Edwin E. Skilling, Chula Vista, Calif., assignor to International Tool Corporation, Chula Vista, Calif.
Application August 16, 1948, Serial No. 44,506
5 Claims. (Cl. 29—252)

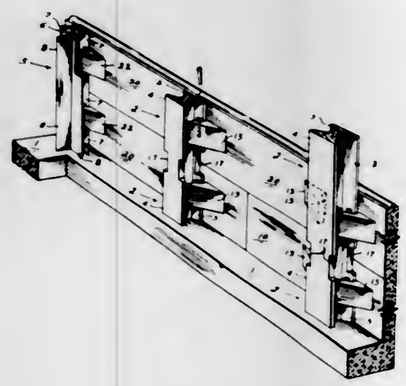


1. An apparatus for attaching and detaching parts from bodies and arranged for operative connection with the cylinder and plunger of a hydraulic ram comprising: a head formed with a stirrup having peripherally spaced arcuate sections and having a bottom underlying and affixed to the ram plunger and flanges at their upper ends and a thrust rack having parallel arms overlying and locked to said cylinder against longitudinal and rotary movement and provided with an anchor at its extended end for engagement with a stationary body, whereby when pressure is applied between the plunger and the adjacent end of the cylinder, the cylinder will be held stationary while the plunger and head move to occasion movement of the work in a body.

2,547,346

WITHDRAWN

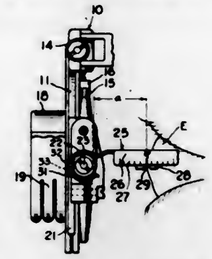
2,547,347
ATTACHMENT OF PREFORMED BLOCKS TO WALL STUDS
Clarence A. Stoldt, Oklahoma City, Okla.
Application September 28, 1945, Serial No. 619,156
1 Claim. (Cl. 72—16)



Building wall construction, including: a plurality of pre-formed concrete blocks; a pair of spaced laterally projecting lugs integral with the inner face of each block; an integral lip carried by each lug, said lip overhanging the lug of which it is a part, the lips of each pair of lugs projecting toward each other but failing to meet; a plurality of spaced vertical wall studding, each studding including a flat flange against which said block face may rest; and relieved places in the edges of said flange for admitting the flange to the space between the lugs.

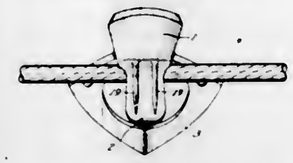
2,547,348
CORNEAL SIGHTING GAUGE FOR TRIAL FRAMES
Donald T. Street, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 13, 1949, Serial No. 87,235
2 Claims. (Cl. 88—20)

1. In a trial frame having a holder for a test lens and a post extending laterally from the holder at the temporal portion thereof, the combination of a corneal sighting device comprising a base portion, flanges projecting from the opposite ends of the base portion, one of the flanges carrying scale means, the other flange having sighting means, and a yieldable, reversely-formed attaching clip projecting laterally from the base portion and adapted to frictionally grip the post



for detachably holding the gauge on the trial frame.

2,547,349
CLOTHESPIN
John B. Tegarty, Lakewood, Ohio
Application April 10, 1946, Serial No. 660,972
5 Claims. (Cl. 24—137)

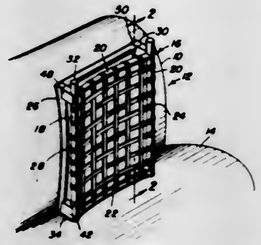


1. A clothesline clip comprising a body having depending resilient front and rear legs, respectively, the front leg being wider than the rear leg and the legs as a whole being spaced flatwise from each other and providing therebetween a line receiving crotch adjacent the body and extending laterally of the clip, said legs as a whole being convergent part way toward their free ends to provide a restricted entrance into the crotch and having free end portions which are divergent in the direction away from the crotch, the wider front leg being in the form of a frame having upper frame members extending laterally from the body, with their upper edges, near their outer ends, sloping toward the free ends of the legs in a direction outwardly from the body, said upper frame members terminating at their outer ends at corners which are positioned near to the extended axis of the crotch so as to engage a line, when a line is received in the crotch, beyond the axis of the line in a direction away from the crotch and to tend to kink the portion of the line extending between the corners upwardly at the ends of the crotch, said outer end portions of the upper frame members also sloping back toward the general plane of the narrower rear leg in a direction outwardly laterally of the clip so as to engage said line portion, when the line is received in the crotch, and to tend to kink the said portion of the line backwardly at the ends of the crotch, whereby a compound kink in the line is provided at the portion engaged by the clip.

2,547,350
BACK REST FOR AUTOMOBILES
Frank E. Veale, Columbus, Ind.
Application October 7, 1948, Serial No. 53,303
5 Claims. (Cl. 155—182)

1. A backrest for a seat in an automotive vehicle comprising a back plate arcuated to conform to the contour of the back seat, a relatively

narrow bottom plate secured to the back plate, frame members, means for supporting said frame members in spaced relation to said back plate, and crossed webs carried by said frame members,

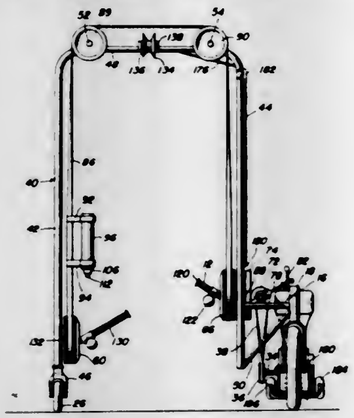


said frame members including a pair of uprights supported upon said bottom plate and spaced horizontal arcuated rods interconnecting said uprights adjacent their ends.

2,547,351

WITHDRAWN

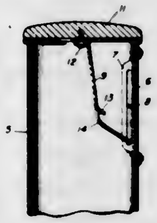
2,547,352
SNAP BEAN STRINGER
Frank C. Wiemers, Manson, Iowa
Application June 11, 1948, Serial No. 32,433
21 Claims. (Cl. 47—1)



1. A field stringer comprising a self-powered vehicle with a bracket mounted thereon, a frame attached to said bracket, spaced pulleys journaled on said frame and an endless belt extending around said pulleys, sheaves journaled on said frame and having said belt extending therearound, means for supporting a supply of string secured to said belt, string grasping means mounted on said frame and vehicle steering means attached to said frame and associated with said vehicle.

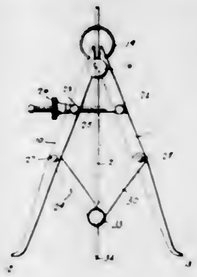
2,547,353
LOSS PREVENTING ATTACHMENT FOR CAPS
Raymond Wilnikka, Detroit, Mich.
Application July 23, 1947, Serial No. 762,898
2 Claims. (Cl. 220—38.5)

2. The combination with the neck of a container of a cap for the neck, an internal guide slot in the neck, a rigid support in the neck having one end slidably engaged in the guide slot and having the cap rotatably connected to its other end, and a tongue projecting laterally



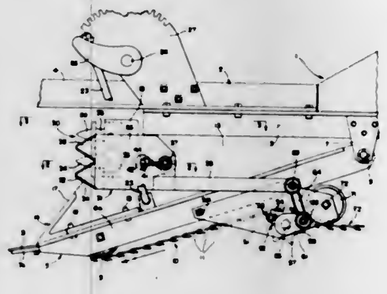
at one side of the support and engaging and gripping the edge of the neck to support the cap in a raised position on the neck when the cap is removed therefrom.

2,547,354
CENTER MARKING CALIPER
Walter Frank Worden, Philadelphia, Pa.
Application April 25, 1945, Serial No. 590,130
1 Claim. (Cl. 33—191)



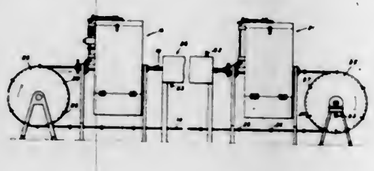
In a device of the character described, a pair of complemental legs arranged at an angle with respect to one another, each of said legs having an inclined end face formed with a recess with the recesses in the two faces in confronting relation, a pivot pin in said recesses and formed with a bore transverse to the axis thereof, each of said legs having a notch formed in its outer edge opposite to the inclined end face thereon with the notches offset with respect to the axis of said pivot pin, a split ring band spring having ends received in said notches and formed with a central opening in alignment with said bore, a screw member operatively connected to said legs and adapted to cooperate with said spring to vary the angle therebetween, a link pivotally connected to each leg, a screw bolt formed with a bearing portion that is journaled in the end of one of said links remote from the pivotal connection thereof, said bolt also having a head and an annular shoulder with said bearing portion therebetween and a transverse passage in alignment with said bore and opening, a bushing threaded on said bolt and having an annular shoulder and a finger engaging portion with a bearing surface therebetween that is journaled in the other of said links, and a scriber member passing through said aligned bore, opening, and passage and adapted to be clampingly engaged between the shoulders on said bolt and bushing.

2,547,355
POTATO DIGGER HAVING VINE CUTTER
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application May 29, 1946, Serial No. 672,976
7 Claims. (Cl. 55—107)



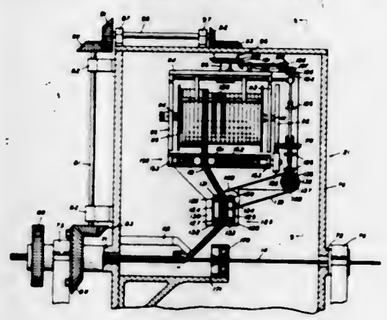
1. A potato digger comprising a frame, a shovel unit carried thereby and including a potato conveyor chain having upper and lower flights, generally vertical sides carried by said shovel unit, a vine cutting unit carried at the forward portion of each of said sides, a transverse shaft supported for rotation on said shovel unit adjacent said lower flight, sprockets mounted on said shaft and receiving the lower flight of said chain, whereby operation of said chain serves to rotate said shaft, and means for driving both of said vine cutting units from said shaft.

2,547,356
APPARATUS FOR MAKING RETRACTILE CORDAGE CONTINUOUSLY
William L. Ames, Middle River, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1947, Serial No. 781,734
13 Claims. (Cl. 18—19)



11. An apparatus for making continuous retractile cordage, which comprises an elongated mandrel, a plurality of washers carried by the mandrel at points spaced equidistantly therealong, means for advancing the mandrel along a predetermined path, a serving head rotatable about a portion of said path for serving cordage on the mandrel means for rotating the serving head and the washers, and a pair of escapement guides carried by the serving head for engaging the mandrel to prevent lateral deflection thereof and movable out of engagement with the mandrel by the washers, said guides being spaced along the path of the mandrel sufficiently far apart to permit only one of the guides to be moved by a washer away from the mandrel at any instant.

2,547,357
APPARATUS FOR CONTINUOUSLY MAKING RETRACTILE CORDAGE
Thomas K. Cox, Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1947, Serial No. 781,735
12 Claims. (Cl. 18—19)



6. An apparatus for making continuous retractile cordage from cordage including an element of plastic material, which comprises an endless, flexible mandrel, means for advancing the mandrel along a predetermined path, a serving head positioned at one point in said path for coiling such cordage into a helix on the mandrel, means surrounding a portion of said path for heating cordage coiled on the mandrel by the serving head, a take-up reel, means for revolving the take-up reel around the mandrel to unwind the cordage from the mandrel, means for rotating the take-up reel to wind the helically coiled cordage thereon, means responsive to the amount of cordage on the take-up reel, means for varying the speed of the reel-rotating means inversely with respect to the amount of cordage thereon, a prier revolvable with the take-up reel for prying the cordage from the mandrel, means for advancing the cordage from the shoe to the take-up reel to relieve tension thereon, and means for revolving the reel in such a direction about an axis perpendicular to the longitudinal axis thereof as to prevent twisting the cordage from the unwinding of the cordage from the mandrel.

2,547,358
PROCESS FOR SEALING PACKINGS
Douglas S. Alexander, Sarnia, Ontario, Canada, assignor to Polymer Corporation, Sarnia, Ontario, Canada
No Drawing. Application December 11, 1947, Serial No. 791,163. In Canada November 19, 1947
8 Claims. (Cl. 117—66)

1. A method of sealing mechanical packings in process equipment against leakage of a fluid medium therein which comprises maintaining in the interstices of the packing a quantity of a high molecular weight polymer which is insoluble in the presence of such medium, and which is plastic when solid, said polymer being selected from the group consisting of polymers of isobutylene with small amounts of diolefin, polymers of butadiene and styrene, and polymers of butadiene and acrylonitrile, dissolved in a vehicle miscible with the medium, whereby the polymer will be precipitated in the interstices of the packing in contact with the confined medium in the form of a tough, gelatinous seal.

2,547,359
COMBINATION GREETING CARD AND FRAMED PICTURE
Rose Bacharach, Elmhurst, N. Y.
Application November 27, 1945, Serial No. 631,071
1 Claim. (Cl. 46—35)



A greeting folder having a front cover and a back member, a generally rectangular picture mounted on the back member within the folder, a matching glass or the like secured over the face of the picture, a frame, the picture, glass and frame being removable as a self-contained integral unit, and an opening in the front cover substantially co-extensive with the area of the picture whereby the picture may be viewed through the front cover, said frame comprising corner tabs securing together the corners of the picture and the glass.

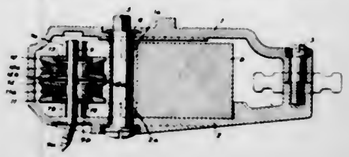
2,547,360
ELECTROMAGNETIC RECORDING AND REPRODUCING SOUND HEAD
Donald J. Baker, Los Angeles, Calif.
Application July 30, 1946, Serial No. 687,055
11 Claims. (Cl. 179—100.41)



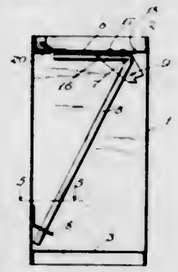
1. In a sound head, the combination of a pair of vertical pole pieces arranged in horizontally spaced relation, a pair of pole extensions provided on said pole pieces near the upper ends thereof and extending inwardly therefrom, a magnetic armature arranged vertically between said pole pieces and having the upper end thereof extending between said pole extensions, an electric coil surrounding said armature and positioned between said pole pieces below said pole extensions, a support for said armature comprising a thin, relatively wide blade of resilient material arranged with its broad face in a horizontal plane and being secured at one end to said armature below said coil and having the other end thereof secured to a fixed base, and a second supporting blade for said armature arranged with its broad face in a vertical plane and having one end thereof secured to said armature and the other end secured to said fixed base, whereby the upper end of said armature may vibrate between said pole extensions about a horizontal axis positioned below said coil.

2,547,361
PICKUP HEAD USING TORSIONAL MOUNT FOR ARMATURES
Donald J. Baker, Los Angeles, Calif.
Application May 19, 1947, Serial No. 748,970
7 Claims. (Cl. 179—100.41)

1. A unit assembly for a pickup head construction comprising a pair of metallic spools, each carrying a coil and arranged in axial alignment, a metal disk interposed between said spools and being bonded to said spools by bonding material applied to the peripheral edge portion thereof and to the peripheral portions of the abutting end flanges of said spools, said disk being supported at its peripheral portion only and the adjacent end faces of said spools being spaced apart over the central portion of said disk to permit limited vibration of said central portion without engaging said faces, and a magnetic armature passing through the center of said disk coaxially of said spools and being secured to and supported by said disk.



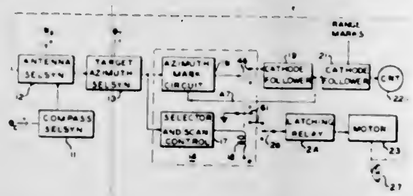
2,547,362
COMBINED CONTAINER AND STRAW
Roger W. Berry, Princeton, Ill.
Application July 3, 1948, Serial No. 36,863
6 Claims. (Cl. 229—7)



1. A container of the character described provided with a hinged cover portion adapted to be manually moved from closed to open position and a self-contained straw within the container having upper and lower relatively bent sections and capable when straightened of extending a substantial distance above the container from the bottom thereof and a bracket connecting said hinged cover portion and the upper straw section and capable of rigidly holding said upper straw section in rigid bent position when the cover portion is in closed position and in rigid alignment with the lower straw section when the cover portion is in open position, said bracket being provided with stops for limiting the movement of same upon the hinged opening movement of said cover portion to the point where said upper and lower straw sections are in alignment.

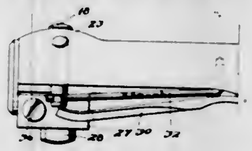
2,547,363
ELECTRICAL MARKING AND SCANNING CONTROL CIRCUIT
Amasa S. Bishop, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 7, 1945, Serial No. 598,157
6 Claims. (Cl. 343—117)

1. In a radio echo transmitting and receiving system including rotating antenna means and cathode ray tube indicator means, a first means for producing a first sinusoidal voltage proportional in amplitude to the sine of any given angle; a second means for transforming said first sinusoidal voltage into a first alternating voltage wave the peak-to-peak amplitude of which has nulls coincident in time with the values of zero and 180° of said angle; a third means for producing a first series of voltage pulses coincident in time with the nulls of said first alternating voltage wave; a fourth means for applying said voltage pulses to an electron beam intensity-controlling electrode of said cathode ray tube indicator means; a fifth means coupled to said means, for producing a second alternating voltage wave the maximum amplitudes of which



coincide in time with the value of zero of said angle; a sixth means coupled to said fifth means, for producing a second series of voltage pulses coincident in time with the maxima in amplitude of said second alternating voltage wave; a seventh means adapted to be operated by said sixth means and coupled to said sixth and fourth means, for causing each pulse of said second series of voltage pulses to render said fourth means operative for the duration of each of said pulses, whereby only those pulses of said first series of voltage pulses that coincide with zero value of said angle will be applied to said cathode ray tube indicator means.

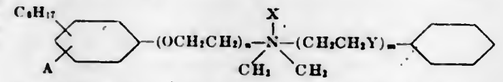
2,547,364
GAUGE HEAD FOR SMALL BORES
Earl M. Boat, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application April 6, 1949, Serial No. 85,863
4 Claims. (Cl. 33—178)



1. In a dial bore gage adapted to the measurement of small bores and having a measuring head including a measuring plunger and means for transmitting movement of the plunger to a dial indicator, in combination, a pair of centering plungers slidably mounted in bores on either side of said measuring plunger, the axes of the three plungers being mutually parallel and lying in a common plane which is transverse to the axis of the gaging head, a flattened surface on the underside of said gaging head, said centering plungers extending beyond said flattened surface and a leaf spring mounted on said flattened surface, said spring having a bifurcated free end, one bifurcation engaging the protruding end of each said centering plungers to urge the plungers outwardly against the walls of a bore.

2,547,365
PHENOXYETHYL QUATERNARY AMMONIUM SALTS
Louis H. Bock, Huntingdon Valley, and Leo S. Luskin, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 28, 1949, Serial No. 73,438
4 Claims. (Cl. 260—567.6)

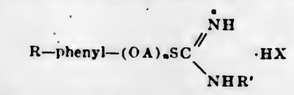
1. As a new chemical substance, a compound of the formula



wherein C_8H_{17}— is a non-primary alkyl group, A is a member of the class consisting of hydrogen and the methyl group, X is a halogen, Y is a chalcogen of an atomic weight not over 32, n is an integer from one to three, and m is an integer from one to two.

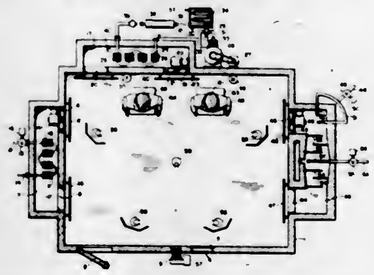
2,547,366
THIURONIUM COMPOUNDS
Louis H. Bock, Huntingdon Valley, Pa., Norman H. Leake, Bristol, Tenn., and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 23, 1949, Serial No. 77,994
4 Claims. (Cl. 260—564)

1. As new substances, compounds of the formula



wherein R represents an alkyl group of four to twelve carbon atoms, R' is a member of the class consisting of hydrogen and the alkyl groups of not over four carbon atoms, A is an alkylene group of two to three carbon atoms, n is an integer from one to three, and HX is an equivalent of an acid having an anion X.

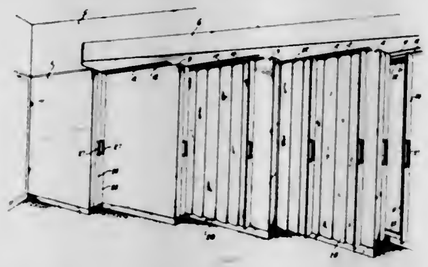
2,547,367
METHOD AND APPARATUS FOR TESTING FABRICS
Henry Booth, Bronxville, N. Y., assignor to The Henry Booth Methods Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1946, Serial No. 654,173
6 Claims. (Cl. 73—15)



4. Apparatus for testing fabrics including in combination a chamber, means for heating the chamber, means for humidifying the chamber,

means for controlling the heating means, means for controlling the humidifying means, refrigerative means responsive to both said controlling means for lowering the humidity and for lowering the temperature within said chamber and means for displaying the fabric to be tested within the chamber.

2,547,368
CLOTH RACK
Henry Booth, Bronxville, N. Y., assignor to The Henry Booth Methods Corporation, New York, N. Y., a corporation of Delaware
Application September 28, 1946, Serial No. 700,124
4 Claims. (Cl. 312—198)



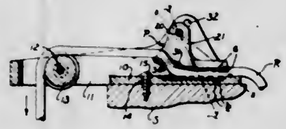
4. A cloth rack including in combination a plurality of housings, a roof for each housing formed with a plurality of elongated slots, a plurality of guide means positioned above each of the roofs and extending over and beyond each of the housings, carriages mounted on respective guide means for movement therealong, a plurality of frames for each housing, means extending through the slots for suspending respective frames from the carriages for independent movement into and out of each housing, a plurality of brackets carried by respective frames adjacent upper portions thereof for supporting respective lengths of cloth, each of the housing and frame assemblies being disposed adjacent a side wall of a building structure in substantially the same angular relation therewith and positioned substantially adjacent each other so that a frame, when extended, will overlap an adjacent housing.

2,547,369
TOP SPINNER AND LAUNCHER
Roy Francis Bourelle and Beatrice Thresea Widdoes, Creston, British Columbia, Canada
Application February 24, 1950, Serial No. 145,964
4 Claims. (Cl. 46—72)



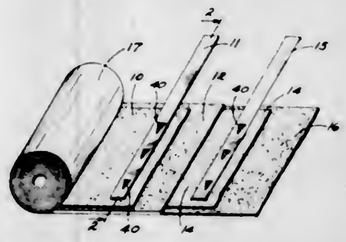
1. A mechanical top spinner and launcher comprising a suitable frame; a normally horizontal launching plate hinged at its inner end on said frame; a longitudinally centrally-grooved inclined plane, hinged at its outer end to said frame while its upper end carries the outer end of said plate, the longitudinal groove in said plane lying in alignment with a shallow depression in said plate, and manual means carried by said frame whereby the overlapping ends of said plate and plane may be raised and lowered.

2,547,370
ROPE LOCK
Charles A. Boyer, Winona Lake, Ind.
Application November 2, 1948, Serial No. 57,851
1 Claim. (Cl. 24—133)



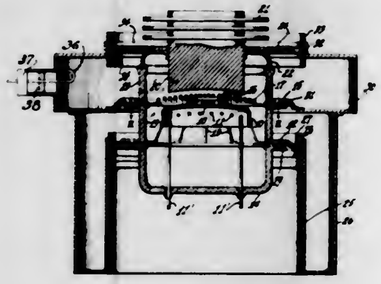
A rope lock including a guide frame having a flat elongated base and provided with spaced guide walls, and a pendulum pivotally mounted between the guide walls to swing lengthwise of the frame and comprising spaced cheeks and a connecting bottom consisting of an elongated relatively flat jaw extending rearwardly along the base in parallelism therewith when the pendulum is in engaging position to produce a long straight clamping portion, a flat tongue constituting an intermediate portion of the bottom of the pendulum and inclined upwardly slightly, when the jaw is in parallelism with the base, to produce a slight change in the direction of the rope and a front section, the front of the bottom of the pendulum being disposed in substantially the plane of the tongue and provided with a rope receiving opening presenting rounded edges to the rope and producing abrupt bends in the rope remote from the straight clamping portion of the pendulum, the jaw being concave from side to side and provided with an extended area of concave transverse ribs and the base being provided with an extended area of transverse ribs.

2,547,371
ELECTROLYTIC CONDENSER
Joseph B. Brennan, Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee
Application September 18, 1947, Serial No. 774,829
3 Claims. (Cl. 175—315)



1. An electrolytic condenser assembly comprising at least two flexible electrodes and interleaved spacers, each electrode comprising a sheet of soft, porous paper having a thickness of less than 0.003 inch and a porous conductive layer of finely divided metal particles coating the same, one of said electrodes constituting an anode and having layers of metal particles coating both sides thereof, the finely divided metal particles on the side of each layer engaging the paper sheet being embedded in the porous paper sheet and embracing and bonded to the fibers of the paper forming the sheet, some of the innermost embedded particles of metal of a layer projecting through the strip to the opposite side of the strip, all the particles of metal of one layer being bonded together, and some of the particles of metal of one layer of the sheet of paper coated on both sides being bonded to some of the particles of metal of the other layer, said metal coated paper sheets being reinforced and strengthened by the coatings of bonded metal particles and being capable of flexing without separation of the coatings from the sheets, said metal particles being composed of film-forming metal and having dielectric films formed thereon, the spaces each comprising a sheet of porous paper, the entire assembly being porous and evidencing capillarity substantially throughout and being impregnated with a viscous, film-maintaining electrolyte.

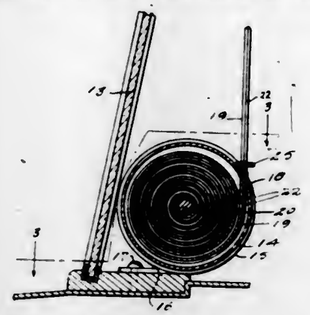
2,547,372
GRID-CONTROLLED ELECTRON DISCHARGE DEVICE
Don G. Burnside, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 25, 1945, Serial No. 618,488
10 Claims. (Cl. 250—27.5)



1. An electron discharge device having an evacuated envelope containing a cathode and an oppositely disposed anode, and a grid positioned between said cathode and anode and shielding said cathode from said anode, said grid comprising equally-spaced parallel wires, said cathode having an emitting portion and a substantially non-emitting portion, said grid having an aperture registering with said non-emitting portion and through which said cathode and anode are capacitively coupled, said wires adjacent said aperture being supported by a grid ring.

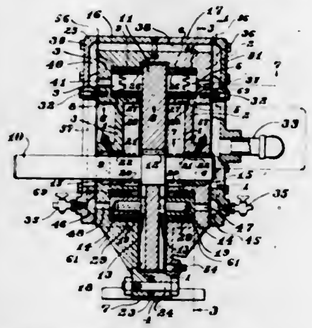
2,547,373
SELF-CONTAINED RISING SHADE
Marshall F. Camp, Creston, Iowa
Application February 14, 1949, Serial No. 76,293
3 Claims. (Cl. 296—97)

1. An extensible shade comprising a tubular housing having a lengthwise slot, caps at the ends of said housing, a shaft journalled through said caps, at least one knob on said shaft, a flexible shade member fixed at one end to said shaft and wound thereabout, the opposite end of said shade extending through said slot, and a pair of elongated transversely arcuate resilient bands fixed to the opposite lengthwise edges of said shade and also fixed to said shaft, said bands upon extension thereof from said housing inherently straightening out and providing a supporting



means for supporting said shade in extended position.

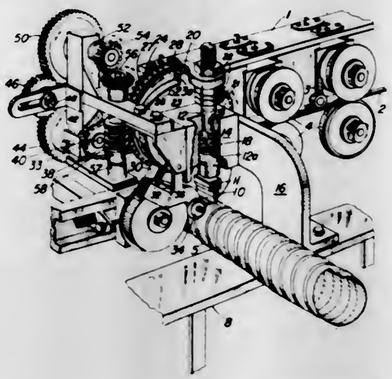
2,547,374
ROTARY ENGINE
Biagio A. Carideo, West Roxbury, Mass.
Application December 6, 1946, Serial No. 714,370
15 Claims. (Cl. 103—129)



1. Apparatus of the character described, having, in combination, a casing having a chamber provided with a circularly cylindrical side wall and an end wall from which a pair of outer and inner concentric annular flanges extend into the chamber eccentrically to the cylindrical wall to provide between the flanges an eccentrically disposed annular channel, the casing being provided with an inlet through which a fluid medium may be supplied to the channel and an outlet through which the fluid medium may be exhausted from the channel, a disc disposed opposite to the said end wall to rotate in the chamber with its periphery disposed adjacent to the cylindrical wall and one of its faces disposed adjacent to the pair of annular flanges, a shaft rotatable with the disc, a plurality of pistons in the channel each having outer and inner arcuate piston walls conforming in shape and disposed adjacent to the respective annular flanges and outer and inner walls connecting the arcuate walls disposed adjacent and conforming in shape to the said end wall and the said face of the disc, respectively, the pistons being freely movable in the channel to provide between them an inlet chamber into which the fluid medium may be supplied through the inlet when the pistons occupy predetermined positions in the channel and an outlet chamber through which the fluid medium may be exhausted to the outlet when the pistons occupy other predetermined positions in the channel, means loosely

connecting the pistons with the disc in order that movement of the pistons may be communicated to the disc or movement of the disc may be communicated to the pistons, means for supplying the fluid medium through the inlet into the inlet chamber and for exhausting the fluid medium from the outlet chamber to the outlet to effect relative movement of the pistons in the channel and consequent rotation of the disc and the shaft or for rotating the shaft and the disc to transport the fluid medium from the inlet chamber, after it has been supplied thereto from the inlet, to the outlet chamber for exhaust through the outlet, and means additional to space clearance between the parts for preventing leakage of the fluid medium between the outer arcuate piston wall and the outer annular flange, the inner arcuate piston wall and the inner annular flange, the outer connecting piston wall and the said end wall, and the inner connecting piston wall and the said face of the disc.

2,547,375
CUTOFF DEVICE FOR TUBING
Abel E. Chernack, Bloomfield, Conn.; Mary Chernack, executrix of said Abel E. Chernack, deceased, assignor, by mesne assignments, to Wiremold Company, Hartford, Conn., a corporation of Connecticut
Application December 30, 1946, Serial No. 719,215
14 Claims. (Cl. 164—61)



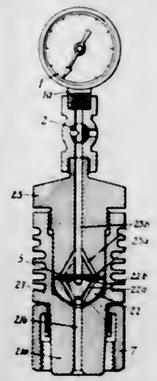
1. In a cut-off device for continuous tube forming machines, dual cutting means comprising a reciprocating cutter making a longitudinal cut and a rotary cutter making a peripheral cut intersecting said longitudinal cut, and means operated by said tube forming machine for operating said cutting means to cut the tubing into uniform lengths.

2,547,376
EYEBROW SHAVER
Thelma Elrick Crawford, Clayton, Mo.
Application September 10, 1945, Serial No. 615,256
2 Claims. (Cl. 30—33)

1. An eyebrow shaver comprising an elongated handle having a pair of spaced fingers extending from one end thereof in parallel relation, said fingers being formed with facing guideways and pointed end projections; a thin, flat blade having parallel side edges slidably engaging the respective guideways and a cutting edge extending between the outer ends of the guideways and disposed a short predetermined distance inwardly of each of said pointed projections whereby the projections may be used for depressing the skin at opposite ends of the cutting edge; and releasable locking means engaging the handle and the blade for holding the cutting edge in said predetermined relation to the pointed projections.

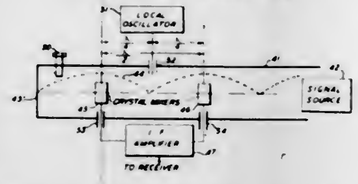


2,547,377
CHECK VALVE DEVICE
Kalman John De Juhasz, State College, Pa.
Application December 19, 1944, Serial No. 568,842
3 Claims. (Cl. 251—119)



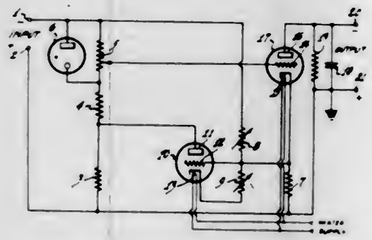
1. A check valve for use between a pressure gauge and a source of variable pressure comprising a hollow body having a chamber formed therein with an inlet passage leading to, and an outlet passage leading from, said chamber, one of said passages being adapted for connection to a variable pressure and the other of said passages being adapted for connection to a pressure gauge, a portion of the wall at the bottom of said chamber being formed as a beveled recess, a block of approximately hemispherical shape adjoining with its spherical surface to said beveled recess and having its flat circular surface profiled to form an annular peripheral clamping area and a central seat area and between these two areas an annular recess, a passage in said block connecting said annular recess with said inlet passage, a diaphragm valve member having a central orifice, means clamping the peripheral portion of said diaphragm valve member to said peripheral clamping area, and an abutment in said chamber to limit the deflection of the central portion of said diaphragm valve member.

2,547,378
RADIO-FREQUENCY MIXER
Robert H. Dicke, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 22, 1945, Serial No. 584,226
1 Claim. (Cl. 250—20)



A balanced mixer comprising a wave guide for maintaining standing waves of electromagnetic energy signals and having an input end and a short circuited end, means to impress a first frequency signal upon said input end, a pair of crystal frequency mixers disposed within said wave guide, said mixers having their inputs spaced an odd number of the first signal half wavelengths from each other whereby the first signal arrives at said inputs in phase opposition, means to adjust the position of the standing waves within said wave guide located at said short circuited end whereby said standing waves will be a maximum at said mixer inputs, means to impress a second frequency signal at the midpoint between said mixer inputs whereby said second frequency signal arrives in the same phase at both said mixer inputs, means to derive a difference frequency of said first and second frequency signals from the output of each of said frequency mixers, and means to combine the difference frequency outputs of said mixers to derive a resultant signal.

2,547,379
TEMPERATURE COMPENSATION
Ralph W. Engstrom, East Petersburg, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1947, Serial No. 769,269
3 Claims. (Cl. 323—22)

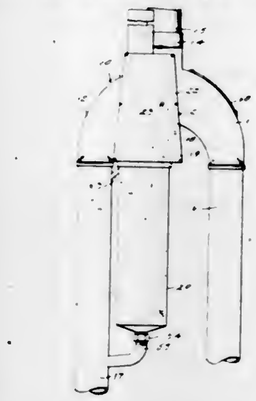


1. In a voltage regulator, a voltage source, a stabilizing tube having an anode, a cathode and control electrode, a bridge circuit having two pairs of arms to which said supply source is connected, a circuit utilizing a portion of potential developed across said bridge circuit to bias said control electrode, an impedance connected between said anode and one side of said input voltage source, a thermal compensating tube having a cathode and a control electrode, a cathode impedance for said thermal compensating tube, a voltage supply circuit for said thermal compensating tube derived from intermediate points on said two pairs of arms of said bridge, and a bias voltage for the control element of said thermal compensating tube derived from said cathode impedance.

2,547,380
CATALYST FOR HYDROCARBON CONVERSION
Raymond N. Fleck, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 1, 1945, Serial No. 619,693
22 Claims. (Cl. 196—52)

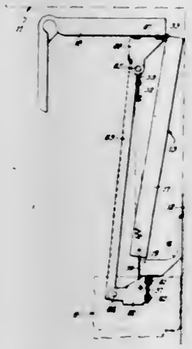
1. A process for the catalytic conversion of hydrocarbons which comprises subjecting such hydrocarbons to temperatures in the range of about 800° F. to about 1,500° F. under gage pressures of about —14 pounds to about 1,500 pounds per square inch in the presence of a catalyst consisting essentially of a major proportion of an inorganic metal oxide carrier and impregnated thereon a minor proportion between about 3% and about 20% of a catalytic agent selected from the class of compounds consisting of the heteropoly acids and the metal salts of the heteropoly acids.

2,547,381
AUTOMATIC RAIN-WATER CONTROL FOR CISTERNS
Henry F. Fowler and Edward E. Bishoff, Louisville, Ky.; Mary Susan Fowler, administratrix of Henry F. Fowler, deceased
Application June 6, 1945, Serial No. 597,910
16 Claims. (Cl. 137—9)



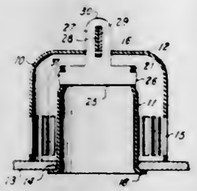
16. A liquid flow directing means comprising a body formed to provide a liquid receiving chamber, oppositely directed outlets for the chamber and an inlet, a shiftable deflector in the chamber having two working positions and arranged when in either position to receive liquid from the inlet and direct it to an outlet, releasable holding and operating mechanism for and connected with the deflector to shift the deflector from one position to the other when the deflector is released, a liquid receiver below the deflector, said deflector being apertured to divert a portion of the liquid flowing thereover into the receiver, and means actuated by and upon the collection in the receiver of a predetermined quantity of liquid diverted thereinto by the deflector, to release the holding mechanism for the actuation of the deflector to the said other position.

2,547,382
FOLDING WORK SURFACE WITH PLURAL SECTION COVER
Lowell C. Freeman, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 21, 1947, Serial No. 729,927
8 Claims. (Cl. 311—19)



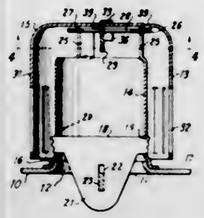
1. A cover comprising a plural section, articulated assembly arranged to provide a combined work surface and lid in one position but displaceable to a second position wherein the sections are pivoted with respect to each other to reduce the extension of said assembly in one dimension, said assembly including a rear supporting member, a main table section hinged to said supporting member, a front section hinged to the table section, and a link connecting said supporting member and said front section so that as the assembly is displaced the front section is caused to pivot with respect to the table section as the table section pivots with respect to the supporting member.

2,547,383
BUBBLE CAP RISER
Hans C. Glitsch, Dallas, Tex., assignor to Glitsch Engineering Company, Dallas, Tex., a partnership
Application September 29, 1947, Serial No. 776,737
4 Claims. (Cl. 261—114)



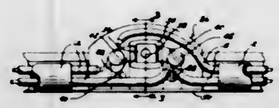
1. A riser for a bubble cap including, an upright tubular body, a pair of diametrically-opposed arms made integral with and projecting above the upper end of the body, each arm having an elongated vertical opening therein, and a flat cross bar disposed in a vertical plane between the arms wholly above the upper end of said body and having its ends engaging within the openings thereof, said ends being distorted to prevent displacement of the cross bar, the cross bar having means intermediate its ends for connection with a bubble cap.

2,547,384
BUBBLE CAP ASSEMBLY
Hans C. Glitsch, Dallas, Tex., assignor to Glitsch Engineering Company, Dallas, Tex., a partnership
Application October 1, 1947, Serial No. 777,144
2 Claims. (Cl. 261—114)



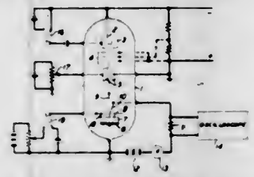
2. The combination with a deck having an opening therein of a bubble cap assembly including, a riser collar engaging the deck in overlying surrounding relation to the opening, a bubble cap mounted upon the collar, fastening means carried by said collar and coacting with the underlying marginal edge portion of the deck surrounding said opening for securing said collar in position, the fastening means including a substantially diametric member secured to the lower portion of said collar and having a central depending portion extending through said opening with an opening formed therein below said deck axially of said collar, and a wedge member extending through the opening of the depending member portion and engaging beneath opposite sides of said marginal edge portion of said deck surrounding said opening.

2,547,385
CONDUIT FOR ELECTRICAL CONNECTIONS AND OUTLET TERMINALS
Rexford C. Glover, Clio, Mich.
Application April 4, 1947, Serial No. 739,410
2 Claims. (Cl. 174—70)



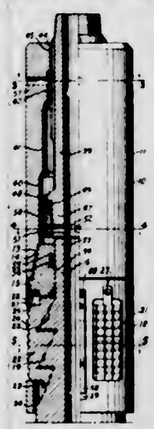
2. An electrical outlet comprising spaced longitudinally extending back plates adapted to be secured to a support, an outlet back plate between said plates adapted to be secured to the support, deformable tabs carried by said spaced back plates for positioning electrical wiring thereto, terminal connections for the wiring carried by said outlet back plate, spaced longitudinally extending front cover plates cooperating with said back plates to form a tube for the wiring, an apertured cover plate for said outlet back plate overlapping the adjacent ends of said front cover plates, an apertured face plug adapted to be inserted in said apertured cover plate and having a shoulder for engagement with the outer surface of said apertured cover plate, and means for securing said face plug to said outlet back plate.

2,547,386
CURRENT STORAGE DEVICE UTILIZING SEMICONDUCTOR
Frank Gray, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1949, Serial No. 84,644
24 Claims. (Cl. 250—164)



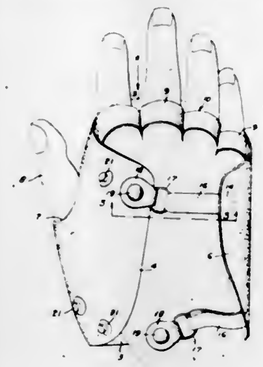
1. Apparatus which comprises a body of semiconductor material, a metallic electrode making contact therewith, the resistance of said contact being sensitive to the presence of electric charge in its vicinity, a film of insulation on a surface of said body adjacent said contact, and means for bombarding said film with electric charges to produce a localized surface charge on said film.

2,547,387
WELL PACKER
George Green, Houston, Tex.
Application October 6, 1945, Serial No. 620,710
11 Claims. (Cl. 166—12)



1. A removable well packer including, an elongate outer tubular housing having slip openings therein, a tubular slip mandrel free to slide longitudinally in said housing and having slip displacing elements thereon, slips in the housing displaceable through the housing openings engaged by the displacing elements of the slip mandrel, whereby said slips are displaced radially outwardly by the displacing elements upon upward longitudinal movement of the mandrel relative to the housing and slips, an external packer member carried by the slip mandrel below the housing, fluid by-pass means in the housing above the slip mandrel for by-passing fluid from the tubular mandrel through the housing to the exterior thereof above the slips and the packer member, and a member movable longitudinally in the housing above the slip mandrel and having a well tool connection at its upper end and adapted to engage and move said mandrel downwardly relative to said slips.

2,547,388
GLOVE
Steve Griffin, Oakland, Calif.
Application December 11, 1948, Serial No. 64,720
1 Claim. (Cl. 2—20)



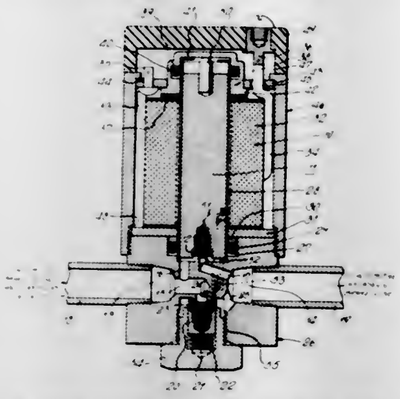
A glove of the character described comprising a unit sheet of pliant material adapted to overlie the palm of and substantially encircle the hand, with its opposite ends disposed in spaced relationship overlying the back of the hand, said sheet having within the periphery thereof an aperture for receiving the thumb of the hand, a strip of pliant material secured at its ends to said sheet, a plurality of pairs of slits in said sheet in substantially uniformly spaced relation from each other and from said secured ends of said strip, said strip being of a length substantially greater than the distance between said secured ends and passing freely through said pairs of slits with portions of the strip extending outwardly from the said sheet between said pairs of slits and said secured ends in the form of four mutually adjustable loops for receiving the fingers of a player, elastic link members secured to and extending from one of the ends of said sheet overlying the back of the hand, groups of spaced fastener elements mounted on the other of the ends of said sheet overlying the back of the hand, and a fastener member pivotally mounted on each of said elastic link members and releasably engageable with a selected one of said spaced fastener elements.

2,547,389
GRID FOR ICE TRAYS
Robert Lay Hallock, Larchmont, N. Y.
Application June 9, 1937, Serial No. 147,238
13 Claims. (Cl. 62—108.5)



1. In a grid for ice trays, a distortable longitudinal member, individual wall pieces mounted on the longitudinal member, and means comprising parts having a predetermined extent of relative movement and abutting when moved said predetermined extent for limiting the relative movement of the individual wall pieces on distortion of the longitudinal member.

2,547,390
ELECTROMAGNETICALLY OPERATED VALVE STRUCTURE
Dwight E. Harris, Stamford, Conn., assignor to The Skinner Chuck Company, Norwalk, Conn., a corporation of Connecticut
Application March 4, 1949, Serial No. 79,550
10 Claims. (Cl. 137—139)



1. A valve comprising a magnetic base having a recess therein, a valve seat within said recess, an electromagnet having a movable magnetic core, a valve head movable by said core for cooperation with said valve seat, a magnetic housing for said electromagnet affixed to said base, a non-magnetic sleeve surrounding said core and having one end thereof projecting into said recess, a spacer of resilient material between and frictionally engaging said sleeve and the wall of said recess, an electromagnetic coil surrounding said sleeve between the ends thereof, a magnetic retainer for said coil surrounding the other end of said sleeve, a spacer of resilient material between and frictionally engaging said sleeve and said retainer, and magnetic means spacing said retainer and said housing.

2,547,391
FLANGE PLOW
Frederick J. Hauschild, Oneonta, N. Y.
Application July 1, 1946, Serial No. 680,627
3 Claims. (Cl. 7—1)



1. A flange raising tool of the character stated, comprising a relatively long body, a relatively long narrow slot formed in and extending longitudinally of one end of the body forming two spaced parallel fingers between which a raised flange is received, the free end of one of such fingers being tapered to provide a chisel edge, the body having a recess adjacent to and merging with the slot at the rear underface of the chisel finger to receive the flange, and the other end of the body being designed to receive hammer blows.

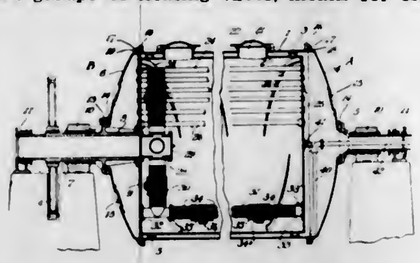
2,547,392
CONTINUOUS CONTACT INTERNAL ROTOR FOR ENGINES
Myron F. Hill and Francis A. Hill, 2nd, Westport, Conn.
Application April 2, 1946, Serial No. 659,098
18 Claims. (Cl. 103—126)



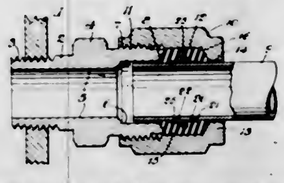
1. In a rotary fluid mechanism, a casing, toothed displacement rotor members in said casing, one rotor member within and eccentric to the other, one rotor member having inwardly projecting teeth and the other rotor member having outwardly projecting teeth meshing therewith, said teeth having contours providing a crescent space between the teeth where no tooth engagement occurs, said tooth contours providing for continuous drive contacts and fluid pressure holding engagements along a path of contact between full mesh and said crescent space where needed for the performance of fluid pressure functions, while traveling at steady ratio speeds, drive means for said rotary displacement members providing for said drive contacts and said pressure holding engagements along a path of contact, said tooth contours providing rotor chambers between said teeth which open and close during rotation; high and low pressure ports in said casing located along said path, a port communicating with opening chambers and a port communicating with closing chambers, abutment areas located on a said path between said ports to check leakage from a high pressure port to a low pressure port, said abutment areas located to provide an interval between them for fluid displacement in said rotor chambers, said tooth contacts and engagements cooperating with said abutment areas in sealing said ports from each other, said tooth contours being located around ratio circles or curves and including centers of curvature traveling far enough outside of said ratio circles or curves to provide said continuous contacts and engagements, the numbers of teeth of said two displacement rotor members differing by two or more and having a basic fractional ratio differing by one.

2,547,393
VACUUM DRYING CYLINDERS, PARTICULARLY FOR GRAIN
Erich Gustav Huzenlaub, Brentford, and Francis Heron Rogers, Kenley, England, assignors, by direct and mesne assignments, to Mars and Huzenlaub, Chicago, Ill., a copartnership
Application August 29, 1945, Serial No. 613,238
In Great Britain April 25, 1945
5 Claims. (Cl. 34—92)

4. A drying apparatus for cereal grain comprising in combination a rotatable cylindrical drying vessel having closed ends, tube plates adjacent the ends of said vessel defining headers therein at each end of the vessel, an inlet to one of said headers for supplying a vaporized heating fluid thereto, a plurality of heating tubes connecting said headers, said tubes being arranged in groups spaced from each other, a closed vapor extraction header axially disposed with respect to said vessel, perforated suction pipes extending longitudinally of said vessel in the spaces between said groups of heating tubes, means for establishing communication between said suction pipes and vapor extraction header, and means on said tube plates for supporting said pipes spaced inwardly of the walls of said vessel, said means including sockets supporting the ends of said pipes for longitudinal movement to permit thermal expansion and contraction of the same.



2,547,394
PRESSURE FITTING FOR TUBE JOINTS
Dibrell P. Hynes and Hugo H. Moss, Chicago, Ill., assignors to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1948, Serial No. 40,483
2 Claims. (Cl. 285—166)



1. For use with tube fittings comprising a compression chamber and an elastic sealing means, a split ferrule having an edge portion of smaller inside diameter than the outside diameter of the tubing, the ferrule being formed and adapted to exert an initial grip on the tubing, and being adapted, on tightening of the fitting, to bite into the surface of the tubing, thus anchoring the fitting to the tubing, said ferrule having an outwardly extending circumferential projection surrounded by said elastic sealing means, said edge portion terminating in a generally continuous lip, said lip being adapted to contact the surface of the tubing at every point on said lip.

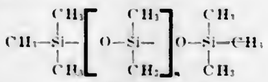
2,547,395
CONTAINER
George D. Jansen, Chicago, Ill., assignor to Jansen Container Co., Chicago, Ill., a corporation of Illinois
Application December 31, 1948, Serial No. 68,609
3 Claims. (Cl. 229—5.5)

3. A container comprising a tubular fiberboard side wall, a fiberboard bottom mounted within one end of said side wall, said bottom having an annular flange engaging the inner surface of said side wall and with its edge flush with the adjacent rim of the side wall, a metallic retaining ring formed to secure said annular bottom flange to said side wall, a metallic reinforcing ring disposed to enclose the rim at the other end of said side wall, said retaining and reinforcing rings each being formed from a strip of metal bent along its longitudinal axis to provide opposing inner and outer flanges substantially coextensive in width, the medial portions of said retaining and reinforcing ring flanges and the fiberboard therebetween being formed concavo-convex in cross-section to define outwardly facing annular grooves, the inner peripheral portions of said retaining and reinforcing ring flanges being parallel with the longitudinal axis of the container, the outer peripheral portions of said reinforcing ring flanges sloping inwardly to provide a frustroconical surface to facilitate the mounting of a cover thereon, and a cover formed with an annular flange to receive and engage said reinforcing ring, said cover flange being formed on its inner surface with an annular ridge for snap engagement into the outwardly facing groove formed in the reinforcing ring.



2,547,396
STABILIZED PARAFFIN WAX
Miles A. Joanen, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 17, 1946, Serial No. 703,707
1 Claim. (Cl. 106—270)

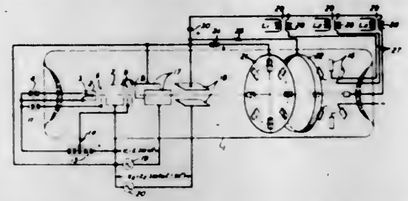
A paraffin wax stabilized against oxidation by the incorporation of from about .01 per cent to .04 per cent of a liquid organo-silicon polymer of the Dow Corning fluid 200 conforming with the empirical formula



2,547,397
SIGNAL SAMPLING AND MODULATION
William E. Kirkpatrick, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,829
12 Claims. (Cl. 332—40)

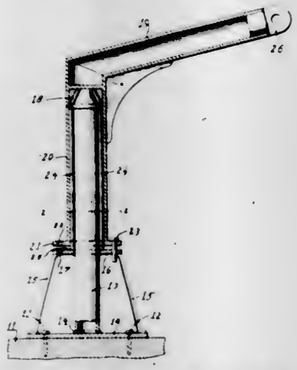
1. In combination, an energy ray tube including secondary emissive target means and collector means providing a plurality of independent nonlinear secondary emission electron current paths therebetween, ray control means for causing said

ray to activate said current paths in succession, a plurality of signal input channels, means to impress the signals from the several input channels individually on corresponding ones of said elec-



tron current paths, means including a source of modulating waves for establishing currents of a modulating frequency in each of said paths, and a common collector circuit coupled to said paths.

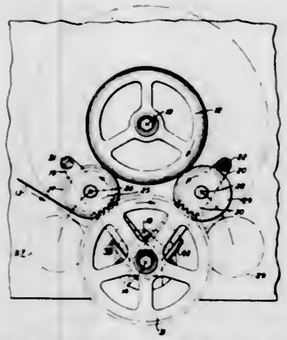
2,547,398
ROTARY CRANE
Henry B. Lee, Bell Gardens, Calif.
Application June 1, 1949, Serial No. 96,419
2 Claims. (Cl. 212—61)



1. A crane having a base, a standard mounted on the base and a gib rotatably mounted on the standard, including a sleeve firmly connected with and extending at an angle to the gib and surrounding the standard, a plurality of bearing rollers disposed between the sleeve and the standard, a tapered roller thrust bearing mounted on top of the standard, a top bearing race mounted inside the sleeve, and a stop flange surrounding the standard underneath the sleeve, the bearing rollers extending beyond the sleeve and resting on the stop flange, the lower end surfaces of said rollers being formed semi-globular.

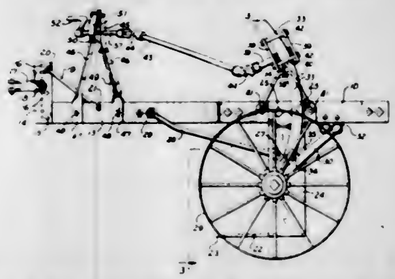
2,547,399
WINDING MECHANISM FOR TIGHT WINDING PAPER TAPE ON SPOOLS
Walter J. Leveridge, Tuckahoe, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1947, Serial No. 793,587
4 Claims. (Cl. 242—75)

1. In a mechanism for winding condenser dielectric material in the form of a tape tightly on a spool, said mechanism comprising a motor shaft, a receiving spool mounted for rotation with said shaft, a pivot mounted in parallel and spaced relation to said motor shaft, a pair of supports hinged on said pivot, a pair of rollers of different diameter mounted for rotation on said supports, resilient means tensioned against said supports for urging said rollers in frictional contact with the tape during the winding operation thereof



on said receiving spool to cause the roller of the large diameter to exert a continuous pulling action on the tape to cause the latter to wind tight on said spool.

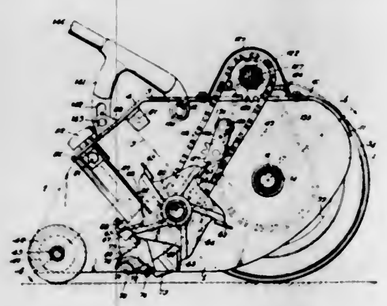
2,547,400
TAP ROOT CUTTER
Balthasar Lindner, Palatine, Ill.
Application June 2, 1947, Serial No. 751,880
5 Claims. (Cl. 97—101)



1. In a tap root cutter, a wheeled frame having a front angular frame extension, a crank for mounting each wheel in the frame, a bar engaging the crank near the wheel for raising and lowering it, a rack carried by the bar, a pinion in engagement with the rack, the bar and rack being curved in an arc to raise and lower the crank, a frame rotatably mounting the pinion, means mounting the pinion frame for rocking movement upon the wheeled frame, and shaft means extending to the front of the angular frame and connected to the pinion for raising and lowering each wheel separately.

2,547,401
LAWN MOWER WITH REMOVABLE REEL
Peter L. Loewe and Eugene L. Boyce, Chicago, Ill., assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Original application April 8, 1944, Serial No. 530,102. Divided and this application October 27, 1944, Serial No. 560,575
7 Claims. (Cl. 56—249.5)

1. In a lawn mower, a chassis, ground engaging tractor wheels rotatably mounted on said chassis, a ground engaging support rotatably mounted on said chassis, said wheels and support being adapted to support said chassis in predetermined and fixed relation to the surface over which the mower moves, a motor mounted on said chassis, a driving connection between said motor and said tractor wheels, a reel assembly adjustably mounted on said chassis for bodily movement toward and away from the surface over which the mower moves, and bodily upwardly removable from the chassis, said assembly in-



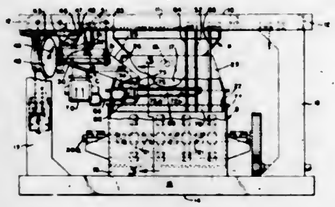
cluding upwardly removable bearing end elements, a cutter bar adjustably mounted on said end bearing elements and a cutter reel rotatably mounted on said end bearing elements, means for bodily adjusting said end bearing elements toward and away from the surface over which the lawn mower moves, while maintaining a constant relationship between the axis of rotation of the reel and the location of the cutter bar, and a flexible driving connection between the motor and the reel.

2,547,402
ELECTRIC HEATING DEVICE
Ralph Lucas, Ackley, Iowa, and Alfred J. Reedy, Battle Creek, Mich., assignors to Detroit Michigan Stove Company, Battle Creek, Mich., a corporation of Michigan
Application April 29, 1949, Serial No. 90,446
10 Claims. (Cl. 219—37)



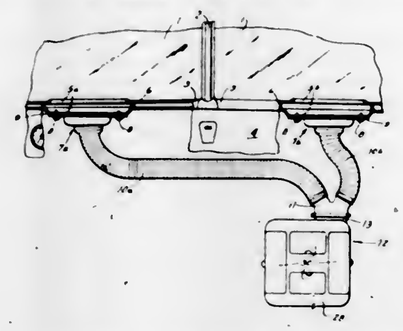
5. An electric heating device comprising base and top members connected to provide a vacuum chamber, a ceramic deflector member disposed upon said base member and having a spherically concaved upper surface, and an electric heating element disposed within said chamber upon said deflector, said vacuum chamber containing mercury which, when vaporized by the heat from said heating element, acts as a heat conductor whereby the top member is substantially uniformly heated throughout the area thereof, the volume of the mercury being substantially less than that of the chamber.

2,547,403
MATERIAL MIXING APPARATUS
Walter M. Madsen, Alhambra, Calif.
Application July 5, 1947, Serial No. 759,206
6 Claims. (Cl. 259—154)



1. In apparatus for mixing an aggregate and binding agent: a mixer; a weighing receptacle for receiving and determining a charge of the binding agent; tubular conductor means extending from said receptacle over the mixer with sets of discharge openings disposed on opposite sides of the center of said mixer; a separate passage feeding each set of openings; a shielding baffle between said openings and the mixer; valve means for controlling flow from the receptacle to said passages; and means for heating the valve means and said passages.

2,547,404
WINDSHIELD DEFROSTER FOR AUTOMOBILE HEATERS
Edward L. Mayo, Cleveland, and Arnstead G. Getz, Lakewood, Ohio, assignors to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 20, 1946, Serial No. 698,254
5 Claims. (Cl. 299—58)



4. In defroster equipment, a nozzle adapted to be used in conjunction with hot air slots which are located adjacent automobile windshields and may be of varying sizes and locations, said nozzle comprising a tubular portion generally elliptical in cross section adapted to receive a flattened end of a hose of circular cross section, said tubular portion flaring longitudinally to an enlarged portion having an elongated discharge opening, a pair of outwardly flared transverse walls in the enlarged flared portion extending across its narrower dimension, said transverse walls serving to deflect a portion of the air flow through the nozzle, and slotted flanges formed integrally with the end walls of the nozzle adjacent its discharge opening, said flanges and discharge opening be-

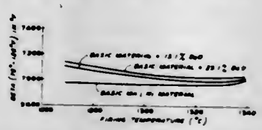
ing disposed in the same plane and being adapted to seat flush against a wall, with the discharge opening aligned with a hot air slot in said wall.

2,547,405
HERMETICALLY SEALED RESISTOR
Frederic D. Mitchell, Collingdale, and Donald M. O'Halloran, Philadelphia, Pa., assignors to Shallcross Mfg. Company, Collingdale, Pa.
Application June 7, 1945, Serial No. 598,070
16 Claims. (Cl. 201—67)



1. A hermetically sealed resistor unit comprising a ceramic bobbin having a pair of end discs, metallized coating bonded to the ceramic material about at least a portion of the perimeter of each end disc, resistor wire carried by said bobbin, the ends of said wire terminating at and being secured to said metallized coatings respectively, a ceramic shell in which the bobbin is enclosed, the shell having bands of metallized coating in position to and of a size to cooperate with the coated portions of said end discs, and the metallized coatings of the end discs and shell being joined by solder so as to entirely seal the respective joints between the shell and the end discs of the bobbin and also establish electrical connections with the ends of said resistor wire.

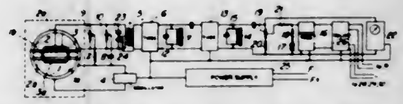
2,547,406
METHOD AND MEANS FOR CONTROLLING THE RESISTANCE OF OXIDIC SEMICONDUCTORS
Francis J. Morin, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1947, Serial No. 746,798
5 Claims. (Cl. 252—490)



1. A thermally responsive semiconductor having a high negative temperature coefficient of resistance comprising a heat treated body of intimately mixed manganese, nickel and beryllium oxides, and electrodes attached to said body, the metallic elements of said body consisting of manganese and nickel in the ratio of 4 atoms to 1 respectively and an amount of beryllium oxide approximately 13.1 per cent of the total material present.

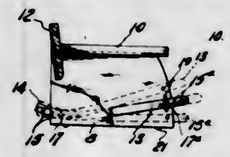
2,547,407
APPARATUS FOR DETECTING METAL OBJECTS ON A MOVING BELT
Peyton J. Nelson, Eugene, Oreg.
Application June 18, 1948, Serial No. 33,818
5 Claims. (Cl. 175—183)

1. Apparatus for detecting metal objects on a moving belt, in which there is a pair of similar coils of substantially semi-circular shape arranged in overlapping close relation so as to mutually define a generally circular structure with substantially parallel chordal portions, in combination with a third coil having portions adjacent to both said chordal portions, said three coils constituting a flat assembly in proximity to the lower side of the belt, means for applying an alternating voltage to one of the first-mentioned coils, means connecting the other of the first-



mentioned coils and said third coil in series, the arrangement of said coils being adapted to produce substantially a null balance of the inductive effects therebetween, and means for deriving voltage through the series-connected coils whenever said balance is disturbed by the presence of a metal object on the belt in proximity to to the coils.

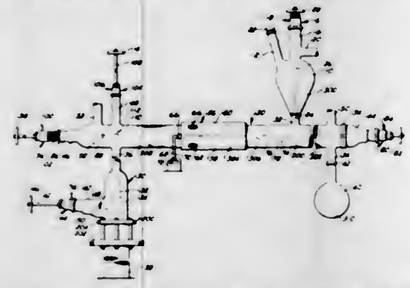
2,547,408
CHILD'S TRAINING CHAIR
Dale H. Owen, Bay City, Mich.
Application April 11, 1946, Serial No. 661,295
2 Claims. (Cl. 4—239)



2. A child's training chair adapted to be detachably mounted on a conventional toilet seat and comprising spaced-apart side panels, arm rests thereon, inwardly inclined backrest connecting the side panels, a seat releasably and pivotally mounted between the side panels, longitudinally spaced apertures in the rearward portion of the side edges of the seat to permit longitudinal adjustment thereof, longitudinally spaced apertures in the forward portion of the side edges of said seat and vertically spaced passages in said side panels adjacent the front edges thereof, said seat being tiltable to bring certain apertures in the forward edges of the seat into register with certain predetermined passages in the side panels, and support pins for securing the seat in its adjusted position.

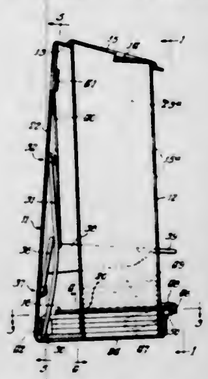
2,547,409
GUIDING MEANS FOR MOVEMENT OF SOLID MATERIALS
Charles H. Prescott, Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Original application September 2, 1944, Serial No. 552,556. Divided and this application November 2, 1945, Serial No. 626,389.
2 Claims. (Cl. 23—264)

1. For use in a vacuum filling apparatus having a processing chamber, a container loading chamber, a reduced diameter nozzle extending from said processing chamber into said loading chamber and provided with a loosely surrounding movable sleeve adapted to guide material from the nozzle through the container loading chamber; an improved guiding means for solid materials including, an elongated rod mounted intermediate its ends in vacuum sealing relation to said processing chamber for selective longitudinal and rocking motion, said rod having at one end a sharp point adapted to break solid materials, a curved hook attached to said rod adjacent said pointed end and extending toward the opposite end of said rod, and a manipulating means attached to said rod exteriorly of said sealing location whereby upon longitudinal and rocking



movement of said rod with the pointed end adjacent the junction of the nozzle and processing chamber larger pieces of solid material may be broken by the pointed end and agitated by the hook thereby to guide the material into said nozzle and upon longitudinal and rocking movement of the rod with the curved hook adjacent the movable sleeve an engagement of rod and sleeve may be effected.

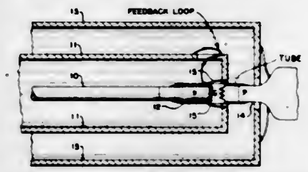
2,547,410
COIN CARRIER
Charles Priesmeyer, Park Ridge, Ill., assignor to Meyer & Wenthe, Inc., a corporation of Illinois
Application November 16, 1948, Serial No. 60,190
7 Claims. (Cl. 133—5)



5. In a coin carrier or the like, in combination, a vertically disposed magazine, a coin ejector ward slidable beneath the magazine, an auxiliary coin ward superposed on the ejector ward, a keeper member superposed on the auxiliary ward, a formation on the auxiliary ward extending from one face thereof, openings in the ejector ward and keeper member respectively receiving said formation in selective positions of the auxiliary ward, the opening in the ejector ward receiving said formation in one selective position of the auxiliary ward and the opening in the keeper member receiving said formation in inverted position of the auxiliary ward, and a detent releasably holding the keeper member against sliding movement

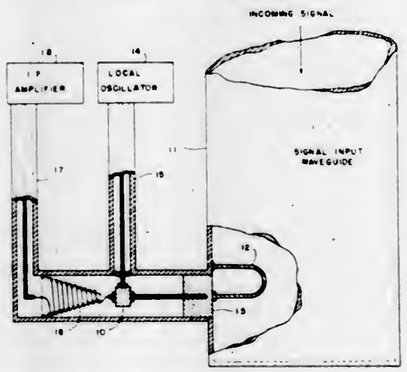
with the ejector ward, the auxiliary ward sliding with the ejector ward in its first mentioned position and being held by the keeper member from sliding movement with the ejector ward in its second mentioned position, the detent being shiftable to a position permitting sliding movement of the keeper member with the ejector ward to permit removal of the auxiliary ward for selective inversion to vary the predetermined number of coins ejected.

2,547,411
COUPLING ARRANGEMENT BETWEEN AN ELECTRON DISCHARGE DEVICE AND CAVITY RESONATORS
William R. Rambo, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application November 6, 1945, Serial No. 627,047
4 Claims. (Cl. 250—36)



1. An ultra high frequency arrangement comprising a tube having a cathode, grid, and anode; inner, intermediate, and outer coaxial conductors forming a pair of coaxial cavity resonators, said inner and outer conductors being coupled to said cathode and said anode respectively, said intermediate conductor being spaced from said grid; and a feedback loop connected between said intermediate conductor and said grid extending into the inner one of said coaxial resonators and arranged to extend into the outer one of said coaxial resonators through an aperture in said intermediate conductor adjacent the connection to said grid.

2,547,412
HIGH-FREQUENCY MIXER
Winfield W. Salisbury, Cedar Rapids, Iowa, assignor to the United States of America as represented by the Secretary of War
Application May 23, 1945, Serial No. 595,357
4 Claims. (Cl. 250—20)



1. In a superheterodyne receiver circuit including a crystal mixer and an intermediate frequency amplifier, a low pass filter connecting said

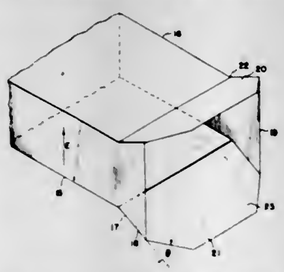
crystal mixer and said intermediate frequency amplifier comprising an electrical transmission line having a constant diameter outer conductor and in series with the inner conductor an inductance coil wound on a tapered form with the small end of said coil adjacent said crystal mixer and the larger end of said coil adjacent said intermediate frequency amplifier, said coil being located concentrically within said outer conductor.

2,547,413
CONNECTOR BAR
Wayne R. Scherer, Claremont, Calif., assignor, by mesne assignments, to Taylor Fibre Co., Norristown, Pa., a corporation of Delaware
Application October 1, 1948, Serial No. 52,245
2 Claims. (Cl. 200—166)



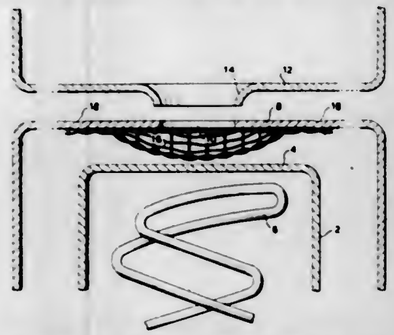
2. A rockable connector bar to which electrical switch contact carrying rocking arms are adapted to be clamped in spaced relation together with a connector bar rocking member under a predetermined spring load for snapping open the switches, comprising a metal bar of rectangular cross-section having a continuous insulating covering extending beyond each end of the metal bar, said covering being molded to the outer face of the metal bar and across a portion of each end of the metal bar over at least the corners thereof to resist movement of the insulating covering relative to the metal bar caused by torque due to the snapping action of the spring load to which the connector bar is subjected while shifting the rocker arms by the connector bar rocking member when opening the switches.

2,547,414
ANTENNA
William Sichak, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,652
5 Claims. (Cl. 250—33.63)



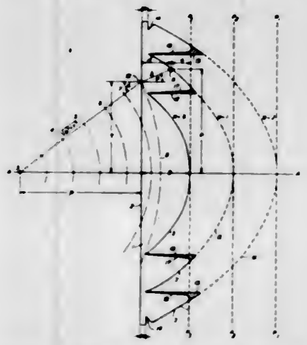
1. A radiating device for feeding a parabolic reflector comprising a rectangular hollow pipe wave guide for propagating electromagnetic energy, said wave guide having a pair of walls parallel to the magnetic field vector of said electromagnetic energy, said wave guide being provided with an open end for radiating said electromagnetic energy, and each of said walls of said pair of walls parallel to said magnetic field vector having an extension beyond said open end in the direction of radiation, said extensions being substantially in the form of trapezoids.

2,547,415
ELECTRODE ASSEMBLY FOR CATHODE-RAY TUBES
Martin Silverman, Philadelphia, Pa., assignor to Electronic Tube Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1948, Serial No. 54,856
3 Claims. (Cl. 250—27.5)



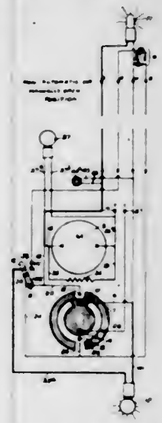
1. An electrode assembly for a cathode ray tube including a cathode having a substantially plane electron-emitting surface and a control grid, said control grid having an aperture therein and a wire mesh screen covering said aperture, each of the openings in said wire mesh being of substantially smaller area than the aperture, said wire mesh being of approximately semi-spherical shape and convex towards and spaced a distance less than the wire mesh openings from said emitting surface of the cathode to effect cut-off of the electron stream from said cathode at a relatively low negative potential.

2,547,416
DIELECTRIC LENS
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1946, Serial No. 717,214
10 Claims. (Cl. 250—33.63)



7. A microwave antenna which comprises a microwave source adapted to radiate spheroidal waves having a first radius of curvature in the "E" plane and a second radius of curvature in the "H" plane, and a dielectric lens as defined in claim 5 disposed with said source on the lens axis and having a surface whose contour in the "E" plane is aplanatic for a point source spaced from said lens by a distance equal to said first radius and whose contour in the "H" plane is aplanatic for a point source spaced from said lens by a distance equal to said second radius.

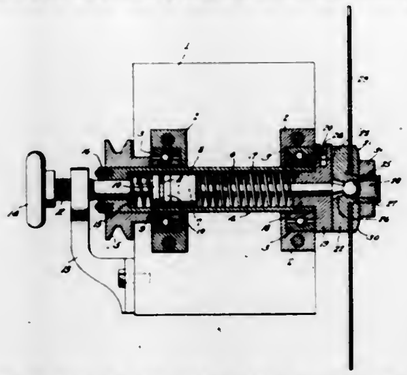
2,547,417
THERMOSTATIC CONTROL SYSTEM FOR FURNACES
Roland L. Smith, Belmont, Mass., assignor to Crown Controls Company, Inc., New Bremen, Ohio, a corporation of Ohio
Application March 18, 1948, Serial No. 15,705
5 Claims. (Cl. 236—16)



1. In a thermostatic control system for furnaces of the type including a thermostat to be located in a space the temperature of which is to be controlled and comprising a thermo-responsive element, a contact arm actuated thereby and an "on" contact and an "off" contact with which said contact arm may engage alternately, and including a heat supply control means comprising an electrically actuated motor, a source of electricity therefor one side of which is directly connected to one side of said motor, a damper actuating mechanism driven by said motor and a circuit commutator actuated by said damper actuating mechanism, and including conductors leading respectively from said contact arm and each of said thermostat contacts to said heat supply control means, the combination of a lamp forming part of said thermostat, connections from one side of said lamp to said "off" contact and from the other side of said lamp to that side of said electric motor which is not directly connected to said electric source, a manual switch associated with said heat supply control means so constructed that when in normal position it completes a circuit from one side of said lamp and of said motor to the conductor which leads to the contact arm of the thermostat and when in actuated position it completes a circuit from said one side of said lamp and said side of the motor to the conductor which leads to the "on" contact of said thermostat.

2,547,418
INCLINABLE SAW HUB AND ARBOR
Irving Spector, Miami, Fla.
Application May 4, 1948, Serial No. 24,928
3 Claims. (Cl. 144—238)

2. In a mechanism of the class described, a tubular spindle having an internal guide bearing at each end, means rotatably supporting said spindle, a slidable thrust bearing in said spindle intermediate its ends, a flange projecting from the guide bearing at one end of the spindle, a saw hub resting against said flange and having hinge connection therewith at one side of said spindle, a rod extending through the guide bearing at the flange provided end of the spindle, a ball on the projecting end of said rod, said hub being provided with a socket wherein said ball is pivotally retained, a head fixed on said rod and



engaging against one side of said thrust bearing, a nut fixedly carried by the spindle supporting means, a shaft having a threaded portion engaging in said nut and having a portion extending through the guide bearing at the end of the spindle remote from the flange and engaging the remaining side of the thrust bearing, means to rotate the shaft, and a compression spring surrounding said rod and urging said head away from the guide bearing having the flange.

2,547,419
METHOD OF OBTAINING FOOT IMPRESSIONS
Emanuel E. Sugarman, Baldwin, and Jerry Miller, Jamaica, N. Y.
Application April 19, 1948, Serial No. 21,768
7 Claims. (Cl. 18—55.01)



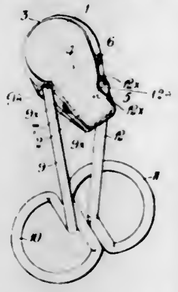
1. The method of obtaining an exact mold of the foot in a normal condition which comprises placing the foot in a normal partial weight bearing position on an inclined surface composed of a granular shifting compressible material simulating a natural surface and which has a thin covering of a material adapted to set and to form a molded impression of the plantar section of the foot, applying a material adapted to set and to conform to the contours of the upper portion of the foot while it is thus positioned on said support, then removing the foot from the support and breaking away the material applied to the upper portion of the foot in predetermined sections, then repositioning said broken away sections with respect to the molded impression made of the bottom of the foot on said granular shifting compressible material to form a hollow mold, then making a positive molded reproduction of the foot by pouring a material adapted to set in said negative mold.

2,547,420
TELEPHONE HANDSET LOCK
Ira L. Sumner, Greenville, S. C.
Application June 29, 1949, Serial No. 102,060
1 Claim. (Cl. 179—178)



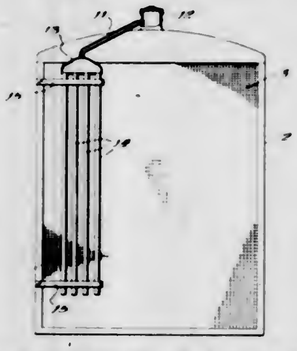
A handset lock for use upon a French type telephone comprising a desk stand having a recess formed therein, said recess having a bottom horizontal wall, an inner upstanding wall and a top horizontal wall overhanging the bottom wall, the top horizontal wall being provided near its free end with a depending rib, said depending rib being spaced from said bottom and inner upstanding walls, the outer side of the recess being open, and a handset removably mounted upon the desk stand above the recess and including a substantially horizontal handle portion, said lock comprising a resilient clip having a cross section which is generally U-shaped and including opposed first and second converging sides forming a first socket receiving the handle portion of the handset, said first side having a free end bent inwardly upon itself for forming a flange arranged in spaced opposed relation to said first side and forming therewith a second socket, said flange extending into the first socket, the second socket receiving said depending rib when the clip is in a locking position for detachably securing the handset to the desk stand, said first side being swingable vertically to a substantially horizontal position wherein it rests upon said bottom horizontal wall, said flange being then arranged substantially horizontally behind the depending rib and adapted to engage the rib to prevent separation of the clip and desk stand, said second side of the clip being then substantially vertically disposed and spaced laterally of the handle portion of the handset.

2,547,421
STUD FASTENING
Hugh Alexander Thomson, London, England
Application September 28, 1949, Serial No. 118,393
In Great Britain October 1, 1948
2 Claims. (Cl. 24—97)



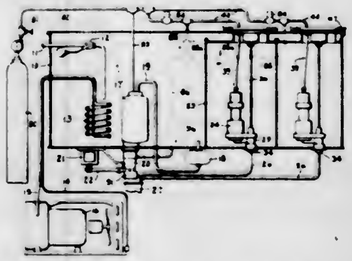
1. A stud fastening comprising a head portion, a first pivot bearing in said head portion, a second pivot bearing in said head portion parallel with but spaced from said first pivot bearing, a base portion formed from a plurality of co-planar adjacent convolutions of a single length of wire, a stem consisting of the two ends of the wire forming said convolutions, and pivots for engagement in said pivot bearings constituted by inturned extremities of the stem.

2,547,422
COOLING SYSTEM FOR LIQUID COOLED INTERNAL-COMBUSTION ENGINES
Leonard P. Traxel, Chicago, Ill.
Application July 14, 1948, Serial No. 38,621
4 Claims. (Cl. 123—41.1)



2. In a cooling system for a liquid cooled internal combustion engine having a radiator for liquid coolant, a fan positioned behind said radiator to induce air through said radiator, a conduit connecting the upper portion of the engine and the upper portion of the radiator, and a conduit connecting the lower portion of the engine and the lower portion of the radiator, an overflow pipe connected into the upper portion of the radiator, a header connected to said overflow pipe, a plurality of conduits connected to said header, said last mentioned conduits being in heat conductive relationship with the front portion of the radiator and being open to the atmosphere at their ends.

2,547,423
DISPENSING APPARATUS FOR CARBONATED BEVERAGES
Evert S. Wegman, East Longmeadow, Mass., and Bruce G. Copping, Atlanta, Ga., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1945, Serial No. 577,203
7 Claims. (Cl. 225—21)



1. In apparatus for dispensing a mixed, carbonated beverage through a dispensing nozzle,

and in which the beverage components are dispensed by controlled pressure derived from a container of carbon dioxide, the combination of a container for carbonated water adapted to be constantly subjected to carbon dioxide pressure, a syrup container adapted to be maintained at atmospheric pressure, pump means for discharging syrup from the container to the nozzle, means for admitting carbon dioxide under pressure at selected intervals to said pump means, means for controlling the flow of carbonated water from its container to the nozzle, timer means for operating said flow-controlling means in timed relation to the means for admitting carbon dioxide pressure to the pump, and means for instantly relieving carbon dioxide pressure on said pump means when sufficient syrup has been dispensed, said means including a conduit opening into said nozzle and having an operating connection between said pump means and the means for admitting carbon dioxide to said pump.

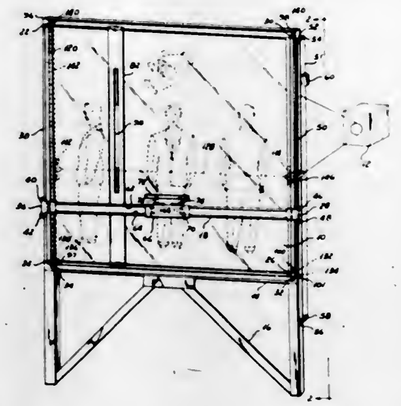
2,547,424
ARTICLE HOLDING CLIP
Rudolph Williams, New York, N. Y.
Application August 27, 1948, Serial No. 46,470
1 Claim. (Cl. 24—72)



A clip comprising a pair of flat elongated members, said members having complementary snap button means thereon positioned intermediate the length thereof whereby they may be clamped together, said members having at one end divergently arched extensions secured to a flexible sheet-like element whereby said element holds said extensions in spaced relationship thereon and said members in juxtaposed parallel relationship, the extremities of said members at their other end being outwardly flared providing jaws receptive of an article therebetween and clamping said article upon fastening said snap button means.

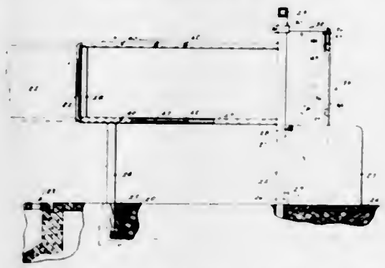
2,547,425
SCREEN FOR TAKING MEASUREMENTS FROM PROJECTIONS
Theodore Yonkler, Bronx, N. Y., assignor to The Henry Booth Methods Corporation, New York, N. Y., a corporation of Delaware
Application July 15, 1948, Serial No. 38,938
9 Claims. (Cl. 33—2)

1. A screen for taking measurements from projections including in combination a substantially vertical frame, a translucent sheet of material supported by said frame having a surface lying substantially along a plane, a vertically disposed scale positioned adjacent the front of said screen for movement in a horizontal direction, parallel motion means for said vertically disposed scale constraining it to occupy positions parallel to itself when the scale is moved in a horizontal direction, a horizontally positioned scale, means for mounting said scale for movement in a vertical direction, parallel motion means for said horizontally positioned scale, a carrier mounted on each side of the frame for movement in a vertical direction upon said frame, an elongated horizontal member supported by said carriers and positioned adjacent the rear of said screen, parallel motion means for said carriers, the construction being such that when a transparency is projected against said screen said elongated member is



adapted to produce a reference line upon said screen.

2,547,426
STALL AND MANGER CONSTRUCTION
John D. Youngman, Sleepy Eye, Minn.
Application March 18, 1949, Serial No. 82,210
1 Claim. (Cl. 119—27)

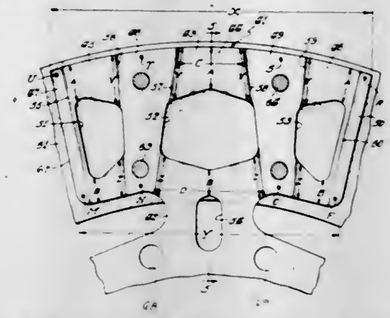


A manger for cattle stalls including spaced side partitions, posts rising from and above the rear ends of said partitions, a relatively deep box-like feed container closing the rear end of the space between said partitions, an arm extending horizontally rearward from adjacent the upper end of each of said posts, and a guard gate pivotally supported from the free ends of said arms and depending into said container medially between the front and rear sides thereof, said guard gate being adapted to be swung forwardly to provide clearance for the placing of feed into said container from the rear side thereof and thereafter return to its normal position to prevent the nosing of the feed rearwardly from the container by an occupant of the stall.

2,547,427
CLUTCH DISK
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 15, 1946, Serial No. 690,652
9 Claims. (Cl. 192—107)

1. A clutch driven member comprising axially spaced friction facings; a disc having an inner zone adapted for connection to a hub, and having

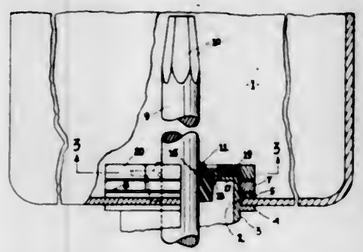
an outer zone adapted to support said facings, said outer zone being defined by a plurality of cushion members each comprising a circumferentially extending body portion lying between said facings, and a neck connecting said body portion to the outer periphery of said inner zone of the disc, each cushion member having a central section lying in a plane oblique to the plane of said inner zone and having an aperture therein with circumferentially spaced side edges, said aperture occupying a substantial portion of the area of said central section, first and second radial lands at the opposite circumferentially spaced side edges of said aperture and having radial sides terminating at said aperture side edges so that the sides with portions thereof of said lands are not interrupted by said aperture, said lands lying in planes which are axially spaced from said plane of said inner zone; third and fourth radial lands at the end regions of each cushion member having radial sides and being spaced circumferentially from said first and second lands, said third and fourth lands lying in planes which are axially spaced from said plane of said inner zone,



said first and third lands lying in a common plane and contacting one of said facings, and said second and fourth lands also lying in a common plane spaced from said last-mentioned plane and contacting the other of said facings, and two circumferentially spaced sections in each cushion member between which said central section and the respective first and second lands are disposed, each of said two sections being disposed between and connecting two adjacent radial lands and being spaced from the friction facings and arranged in a plane oblique to the plane of said inner zone, each of said two sections having an aperture therein occupying a substantial portion of the area thereof and the aperture having circumferentially spaced side edges terminating at the sides of the two adjacent radial lands so that the sides of the lands are not interrupted by the aperture; and means securing one of the lands contacting one friction facing to said one friction facing and means securing one of the lands contacting the other friction facing to said other friction facing.

2,547,428
MERCURY SEAL BUSHING
Frank Ziherl, Euclid, Ohio, assignor to Z & W Machine Products, Inc., a corporation of Ohio
Application November 3, 1948, Serial No. 58,120
2 Claims. (Cl. 286—9)

1. In combination, a vessel adapted to contain a fluid, a resilient bushing supported by said vessel, a shaft extending vertically through said bushing and adapted to be rotated relatively to said bushing, said bushing having a relatively narrow, shallow circumferential groove formed in the bore thereof and defined in part by a lower wall which slopes downwardly toward the shaft,

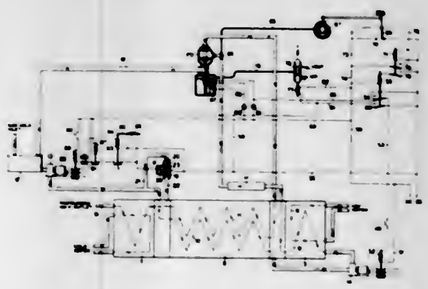


and mercury disposed in said recess and bearing against said shaft to form a liquid seal between the shaft and bushing, said shaft being free from pressure exerted thereon by said bushing.

2,547,429
ISOLATION OF ENZYMES FROM AQUEOUS SOLUTIONS WITH LIGNIN AND GELATIN AND PRODUCT OBTAINED THEREBY
Ralph T. Alba, New York, N. Y., assignor, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 26, 1945, Serial No. 624,935
14 Claims. (Cl. 195—17)

1. The method of separating from aqueous solution an enzyme active at pH values of 5 and above without inactivation thereof, which comprises precipitating the enzyme by means of a water-soluble alkali-cook lignin and gelatin from an aqueous solution of the enzyme under acid conditions but at a pH value not substantially below 4 so as to form a complex insoluble under such acid conditions, but soluble at higher pH values.

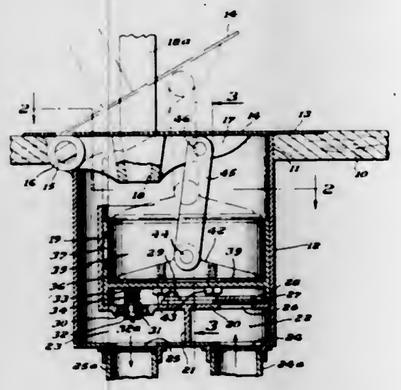
2,547,430
PASTEURIZING CONTROL SYSTEM
Clarence F. Aldridge and Carl L. Brown, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application August 7, 1948, Serial No. 43,042
1 Claim. (Cl. 257—2)



In a pasteurizing system, a heating unit provided with a primary passage for a heating liquid and with a secondary passage for a liquid to be

heated, said passages being in heat exchange relation with each other, means for causing said heating liquid to flow through said primary passage at a given pressure, means including an electrically operated pump and a circuit therefor for causing the liquid to be heated to flow through said secondary passage at a pressure normally lower than said given pressure, and a differential pressure switch controlling said circuit and responsive to a change in the normal pressure relation between the liquids in said passages for stopping said pump, said differential pressure switch comprising a T-shape fitting provided with a side opening and with two opposed end openings, a flexible diaphragm sealing each of said end openings, a rod within said fitting having one of its ends secured to the inner surface of a first one of said diaphragms and having its other end in contact relation with the second of said diaphragms so that it is free to move relatively thereto, switch contacts operable at said side opening and means movable by said rod for actuating said switch contacts, said fitting being connected in said system with said first diaphragm exposed to the pressure of liquid in said primary passage and with the second diaphragm exposed to pressure of the liquid in said secondary passage.

2,547,431
DECK PUMP
Arthur C. Anderson, Wildwood, N. J.
Application January 28, 1947, Serial No. 724,831
4 Claims. (Cl. 114—184)



1. An improved deck pump comprising, a casing having formed therein a cylinder, intake chamber and discharge chamber, means for connecting the intake chamber to the bilge of a boat or the like, means connecting the discharge chamber to the side of a boat at a point above the water line, means including a deck engaging flange on and extending outwardly from the top margin of the casing for positioning the casing beneath the deck of a boat, a cover plate hinged to the casing and in closed position being flush with the flange and the deck of the boat, a piston mounted for reciprocation in said cylinder, a discharge port formed in one wall of said piston, an intake valve positioned between the intake chamber and cylinder, valves in the bottom wall of the piston to receive water from the intake chamber and deliver the same through the discharge port to the discharge chamber, and means for reciprocating the piston in the cylinder.

2,547,432
COATED WELDING ROD
William Andrews, Gateshead-on-Tyne, England, assignor to Metal and Thermit Corporation, New York, N. Y.
No Drawing. Application January 18, 1946, Serial No. 642,118. In Great Britain February 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1964
16 Claims. (Cl. 148—26)

1. In a coating material for an electrode comprising powdered minerals as coating ingredients, the combination therewith as a binder for said coating ingredients of an alkali metal aluminate having a molecular ratio of alkali metal oxide to aluminum oxide in excess of one, and a metal oxide combinable with said excess alkali metal oxide, the amount of said alkali metal aluminate being sufficient to enable the same to bind said coating ingredients, and the amount of said metal oxide being sufficient to combine with said excess alkali metal oxide, said metal oxide being selected from the class consisting of the oxides of aluminum, titanium and zirconium, said alkali metal being selected from the class consisting of sodium and potassium.

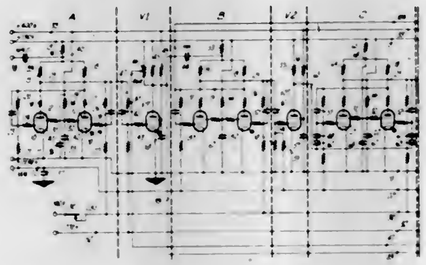
2,547,433
FLOWER BED AND LAWN EDGE TRIMMER
John Willis Barnett, Midland, Tex.
Application January 31, 1947, Serial No. 725,447
2 Claims. (Cl. 56—241)



1. An edge trimmer comprising an elongated flat slide plate having a leading edge and a trailing edge, a ferrule formed on the upper surface of said plate and extending upwardly and rearwardly therefrom, a handle secured to said ferrule, a bearing member extending laterally from the plate adjacent to the ferrule, a cutter blade fixed on said member and disposed perpendicular to the plate, said fixed cutter blade lying in a plane below the plane of the plate, a movable blade pivotally disposed at one of its ends on the bearing member and disposed in cooperative parallelism with the fixed blade, an operating arm on the movable blade, said arm projecting toward the trailing edge of the plate and having an apertured ear extending therefrom, an operating member secured to said ear for moving the movable blade about its pivot and into cutting engagement with the fixed blade, guide means for the operating member on said handle, an operating lever receiving said operating member and pivotally mounted on the handle at the upper end thereof, a bracket carried by the ferrule and

overlying the operating arm and resilient means mounted between the bracket and operating arm for urging the movable blade upwardly to a position in alignment with the plate.

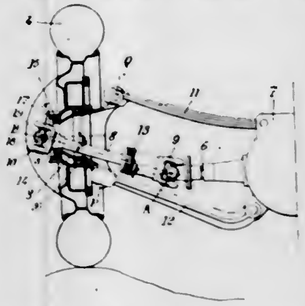
2,547,434
HIGH-SPEED BINARY DECADE COUNTER
Carl A. Bergfors, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 11, 1948, Serial No. 64,852
10 Claims. (Cl. 250—27)



1. A decade counter including four binary type trigger circuits each having a first and a second grid controlled tube and "on" and "off" conditions of stability; an isolating tube connected between adjacent trigger circuits for substantially isolating the reaction of each trigger circuit from the others; a first and second switching tube connected to be responsive respectively to the fourth trigger circuit when it is switched "on" and to an isolating tube when the first trigger is switched "on," said switching tubes having a common plate load so that one only is effectively conductive at a time; a blocking trigger circuit having "on" and "off" conditions alternately assumed, said trigger being turned "off" in response to a negative pulse conveyed thereto from said plate load and being turned "on" in response to a pulse conveyed thereto from the fourth trigger circuit when it switches "on," and a blocking tube having its plate connected to the second trigger circuit to prevent switching of its stable condition when said blocking tube is conductive, said blocking tube being connected to be rendered conductive and non-conductive in response to a change in the conductive condition of one tube of said blocking trigger.

2,547,435
DRIVE SHAFT ARRANGEMENT FOR DRIVING STEERING WHEELS
Robert Bouchard, Saint-Germain en Laye, France
Application January 27, 1948, Serial No. 4,631
In France February 6, 1947
1 Claim. (Cl. 180—43)

In a vehicle, a frame, a wheel, a hollow stub axle for said wheel pivoted to said frame about a steering pivot axis, suspension means interposed between said stub axle and said frame, a driving shaft carried by said frame, and a flexible drive between said shaft and said wheel including a telescopic intermediate shaft extending through said stub axle, a Cardan joint mounted to connect the inner end of said intermediate shaft with said driving shaft, and a similar Cardan joint mounted to connect the outer end of said intermediate shaft with said wheel, the center of said second mentioned Cardan joint being located on the outer side of said wheel and in symmetrical relation to the center of the first mentioned Cardan joint with respect to a plane passing through said steering pivot axis, the wheel end of said intermediate shaft and the second mentioned Cardan joint being



disposed practically wholly on the inner side of the plane defined by the two pivot axes thereof, the only elements of this second mentioned joint which project beyond this plane to the outer side thereof being the pivot means of said second mentioned joint provided along said pivot axes thereof.

2,547,436
GARMENT HANGER
Margaret M. Brock, Middle Village, N. Y.
Application January 4, 1949, Serial No. 69,209
1 Claim. (Cl. 223—89)

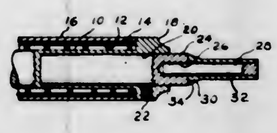


A garment hanger having a central wire piece, said piece having legs extending divergently from its center, said piece being formed with a central loop, each leg being formed at its end with an eye, a pair of U-shaped wire end members, each of said end members having a relatively short leg slidable through one of the eyes, each short leg terminating in an eye through which one of the legs of the central wire piece is slidable, each of the end members having a long leg, said long legs overlapping and forming an adjustable cross bar for the hanger, said long legs terminating in eyes by means of which said long legs slidably embrace one another, and a suspension hook swingably attached to the loop of the central piece, said hook being of a length to enable it to be swung to a position to engage about the adjustable cross bar when the hanger is collapsed and apply tension thereon to prevent the sliding movement of the legs which form said bar.

2,547,437
EXPLOSIVE RIVET FIRING DEVICE
Vernon M. Bunts, East Syracuse, and Henry C. Holbert, Syracuse, N. Y., assignors to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 22, 1947, Serial No. 770,062
3 Claims. (Cl. 218—19)

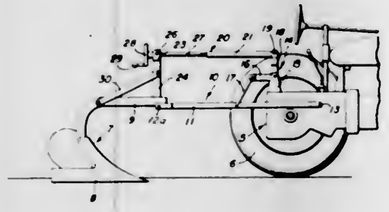
1. An explosive rivet firing device comprising a shank portion adapted for exposure to a source

of heat, a heating means sunrrounding said shank, a heat conducting rod extending axially from said shank and terminating in an end face having a plane contacting surface, said rod being of a material of high heat conductivity and relatively low resistance to mushrooming from rivet explosion recoil in the region adjacent said end face, said rod at its rear end being received in an axially directed socket in said shank and abutting the bottom of said socket, and a sleeve snug-



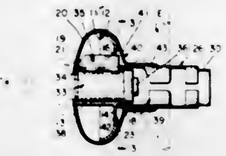
ly surrounding said rod, and terminating substantially flush with said end face, said sleeve being of a relatively hard material of relatively low heat conductivity and capable of confining said rod against radial expansion and preventing mushrooming under the recoil effect of an exploding rivet in contact with the end face, the rear end of said sleeve abutting the front end of said shank for securing said sleeve against axial movement along said rod in a direction away from said end face.

2,547,438
PLOW HITCH WITH TRACTION CONTROL LINKAGE
Robert J. Burkholder, Noel, Mo.
Application June 21, 1948, Serial No. 34,190
2 Claims. (Cl. 97—47)



1. In combination, a conventional-type plow embodying a frame having a plow-share and a horizontal beam, a tractor including a wheel-supported chassis, a draft frame embodying a pair of oppositely disposed substantially horizontal forwardly converging arms, said arms being hingedly attached at their forward ends to the trailing end portion of the chassis of the tractor at points on a plane above the center of gravity of the latter, a cross-piece at right angles to and hingedly mounted between the trailing ends of said arms, said plow beam being rigidly connected to the median portion of said cross-piece in order to hingedly attach the plow to the trailing end portion of said frame, a pair of complemental bellcranks hingedly mounted on the rear end portion of the chassis, links hingedly mounted on said bellcrank arms and hingedly connected to the intermediate portions of said frame arms, and force transmitting means connected with the bellcranks and with said plow beam including a hand regulated turnbuckle.

2,547,439
DOORKNOB
Robert C. Cerf, Jr., Los Angeles, Calif., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif., a corporation of California
Application November 27, 1948, Serial No. 62,363
3 Claims. (Cl. 70—224)



2. In a door knob and spindle assembly, a knob body having a rim portion adapted to support an outer covering shell, said body having an integral coaxial hub adapted to hold a cylinder type locking mechanism, and also having an integral disk portion connecting said hub to said rim portion; and a tubular spindle projecting outwardly from said body and coaxial with said hub having laterally extending ears adapted to be removably attached to the disk portion of said knob body.

2,547,440
FLUID CONDUCTING ELECTRICALLY INSULATED SYSTEM
Harold L. Clark and Richard U. Clark, Belmont, Mass.
Application May 15, 1948, Serial No. 27,298
2 Claims. (Cl. 174—1)

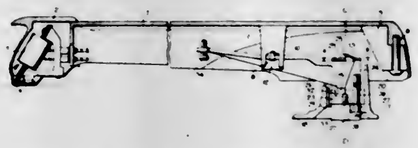


1. A system for handling conductive fluids in insulated relation to a ground potential, comprising fluid conducting enclosures, a non-conducting encased rotary dispensing pump with input and output connections connected there-to, a high speed segmented impeller in said pump, minute clearances between said impeller and said casing, end and periphery baffles on said impeller to further reduce fluid and electrical leakage between the input and output of said pump, said impeller being operable upon the introduction of fluid flow in said system and to dispense segmented fluid portions at high speed.

2,547,441
TONE ARM
Lionel B. Cornwell, New Canaan, Conn.
Application July 24, 1946, Serial No. 685,931
7 Claims. (Cl. 274—23)

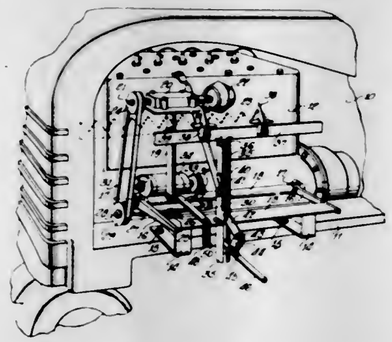
1. A tone arm for sound reproducing and recording comprising a movable arm member and a relatively fixed supporting member, one of said members being provided with a pair of vertically

spaced fulcrum lugs and the other of said members being provided with correspondingly cooperating fulcrum notches, said lugs providing oppositely facing knife edges disposed in substantial vertical alignment and said notches providing oppositely disposed vertexes in substantial verti-



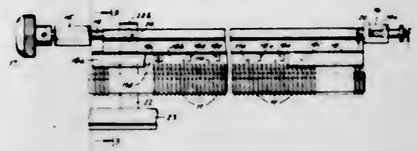
cal alignment with and respectively engaged by said knife edges, said lugs and notches being so constructed and arranged that upon angular movement of said arm the sole points of contact between said arm and supporting member lie substantially along a vertical line.

2,547,442
GRINDING DEVICE
Walter Crafton, Dallas, and Joseph G. Young, Mesquite, Tex.
Application October 21, 1948, Serial No. 55,752
3 Claims. (Cl. 51—92)



1. In a grinding attachment for a tractor having an engine and generator a stationary mounting plate adapted to be secured to the frame of the tractor in juxtaposition to said engine, a tubular member coextensive with and supported by said plate and capable of limited oscillative dispiacement relation thereto, an upright affixed to said tubular member and supporting on its upper end a journal box, a shaft journaled in said box, a grinding wheel on one end of said shaft, a pulley on the opposite end of said shaft, a jack shaft parallel with and supported by said mounting plate and carrying a pulley on each end thereof, one of which has belt connection with the pulley of said shaft, a tubular guide mounted on and perpendicular to said mounting plate having a longitudinal slot therein, a plunger reciprocable in said guide, a transverse work supporting bar mounted on the upper end of said plunger, in operative relation to said grinding wheel, a lever pivoted to said tubular guide and operable in the slot thereof to actuate said plunger and work supporting bar and means adapted to connect the companion pulley of said jack shaft with a pulley on said generator for driving said jack shaft and said grinding wheel shaft from said jack shaft.

2,547,443
CARRIAGE POSITIONING MECHANISM
Chester W. Crumrine, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 13, 1947, Serial No. 791,500
10 Claims. (Cl. 197—179)



1. In combination, a column stop bar, a row of column stops mounted on said bar for movement from an inactive to an active position, and a setting member extending parallel with said stop bar and slidably mounted for movement to any one of a plurality of stop selecting positions and rotatably mounted to actuate the selected stops to active position, said setting member having a portion thereof effective, upon rotation of said member in a direction opposite its stop actuating movement, to restore the set stops to inactive position.

2,547,444
ROTARY DISK TILLER
Earle P. Curry, Brockton, Mass.
Application August 2, 1946, Serial No. 688,088
4 Claims. (Cl. 97—220)

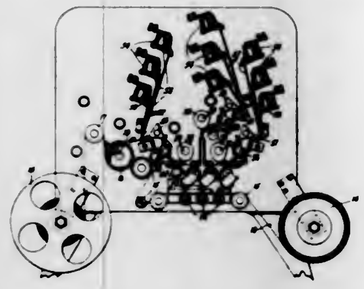


4. An earth-working element for an earth-working machine comprising a shaft and a plurality of disks fast thereon and disposed in spaced parallel planes at an acute angle to the shaft axis, the peripheral portions of each disk at the opposite ends of the diameter thereof which is perpendicular to the shaft having an angular relation to the plane of the disk, the peripheral portion at one end of said diameter being inclined outwardly from one side of the disk and that at the other end of said diameter being inclined outwardly from the other side of the disk, the width of each outwardly inclined portion decreasing progressively from the end of said diameter in both directions along the periphery of the disk.

2,547,445
RECORD PERFORATING MACHINE
George F. Daly, Endicott, Gustav V. A. Malmros, Binghamton, and Donald W. Haney, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 13, 1947, Serial No. 768,380
6 Claims. (Cl. 164—115)

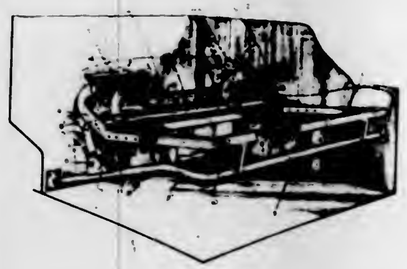
1. In a record punching machine, a punch element mounted for reciprocation, a rotary actuating cam, an interposer shiftable into position be-

tween the cam and punch element, a latch normally restraining the interposer, operating means therefor, and a rotary timing cam operable upon



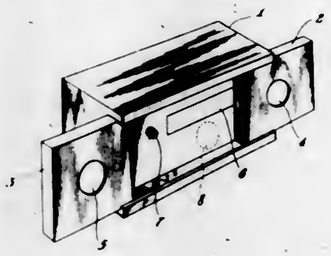
release of the interposer by the latch for controlling the movement of the interposer into operating position.

2,547,446
ADJUSTABLE SEAT
Walter B. Dean, Narberth, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 17, 1945, Serial No. 583,262
2 Claims. (Cl. 155—116)



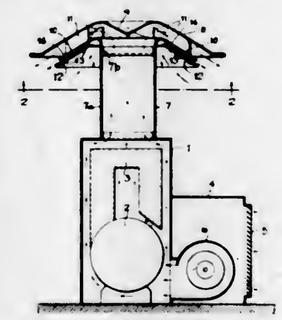
1. A vehicle recliner chair comprising a rigid base, a seat mounted on said base in sliding relationship therewith, a back, a stationary support for the upper portion of said back, said back being slidable relative to said support, and means for supporting the lower portion of said back adjacent to the rear portion of said seat and the rear portion of said seat on said base so that, when said seat is moved forwardly relative to said base, the lower portion of said back will move downwardly and forwardly without creating a gap between said seat and back, said means including an arm rigidly secured to said seat and extending upwardly from the rear portion thereof, the upper portion of said arm being pivotally connected to said back at a point above the bottom portion thereof so as to suspend the rear portion of said seat under the lower portion of said back, and a link structure having a lower end connected to said base about a fixed pivot and its upper end pivotally connected to said back at the pivot axis of said arm and back connection, whereby said back will move downwardly and the lower portion thereof will move forwardly when said seat is moved forwardly relative to said base.

2,547,447
APPARATUS FOR STEREOPHONIC SOUND REPRODUCTION
Kornelis de Boer, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 24, 1945, Serial No. 618,333
In the Netherlands March 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1962
4 Claims. (Cl. 181—31)



1. An acoustic apparatus for the stereophonic reproduction of sound comprising a cabinet having electrical sound reproducing means therein, and at least two loudspeakers each movably supported by a separable supporting means mounted at the front of said cabinet, said electrical means having at least two different sound channels each carrying a different sound signal, each said loudspeaker having electrical connection with a different one of said channels respectively, and each of said separate supporting means comprising a slidable closure means for said front of said cabinet constructed and arranged to permit laterally adjustable movement of said loudspeakers towards and away from each other during operation of said apparatus.

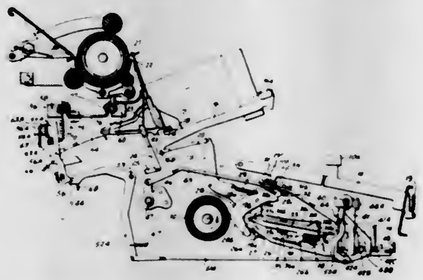
2,547,448
HOT-AIR SPACE HEATER
Charles Demuth, Mineola, N. Y.
Application February 20, 1946, Serial No. 649,004
4 Claims. (Cl. 98—38)



1. A unitary space heater comprising a casing containing a heating unit, a relatively short outlet conduit extending upwardly from said casing, an air distributor head in axial communication with the upper end of said conduit, said head comprising an inverted conical wall disposed over the outer end of said conduit in substantially axial alignment therewith and having its outer diameter spaced upwardly from said outer conduit end, a first peripheral wall dis-

posed in outward radial continuation of said conical wall in a downward direction, a second peripheral wall disposed in outward radial continuation of said outer conduit end in spaced relation to said first peripheral wall, and upwardly and downwardly extending spirally disposed baffles interposed in the space between said first and second peripheral walls, means for forcefully moving air to be heated into said casing and past said heating unit and through said conduit and head, whereby the flows of said heated air is reversed from an upward direction and is caused to flow outwardly, downwardly and substantially tangentially in the vicinity of said heater.

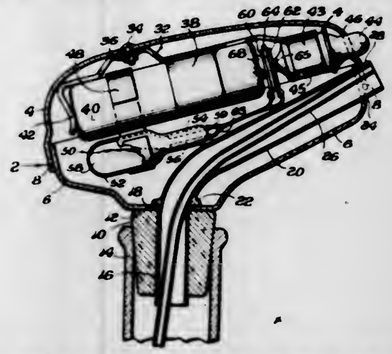
2,547,449
PROPORTIONAL SPACING MECHANISM FOR TYPEWRITERS
Ronald D. Dodge, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,578
46 Claims. (Cl. 197—84)



1. In a variable spacing mechanism, an escapement rack movable in a character spacing direction, said rack having teeth spaced apart at uniform intervals, each interval being a multiple of a minimum unit of spacing; a series of spacing pawls coacting with said teeth, equal in number to the number of units in said interval, said pawls being of different lengths differing by whole units of spacing, means for mounting said pawls for sliding movement an extent sufficient to enable the rack to move the maximum distance of one interval, and means for disengaging one or more of said pawls from said rack according to the desired number of units of spacing.

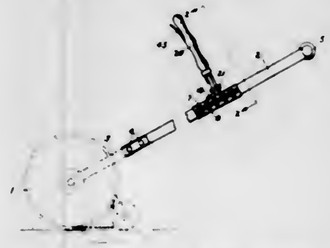
2,547,450
ILLUMINATING AND POURING DEVICE FOR BOTTLES
Eleuthere Paul du Pont, Montchanin, Del.: Equitable Trust Company and John Hemphill executors of said Eleuthere Paul du Pont, deceased
Application November 20, 1948, Serial No. 61,176
1 Claim. (Cl. 222—113)

A pouring device adapted for use with a bottle comprising a casing having an upper section and a lower section in overlapping relationship, a stopper secured to the exterior of the lower section of the casing, a pouring tube passing through the stopper and the casing, the upper and lower sections forming together a two piece collar to retain the pouring tube where it passes through the casing, a vent tube passing through the pouring tube, a bracket secured to the interior of the upper section of the casing, a bulb, a battery, a gravity switch, said bulb, battery, gravity switch and bracket forming an electric circuit, said bracket having a clip portion to support a bulb and a second clip portion to support a bat-



tery and a clip to secure said gravity switch to said battery, said gravity switch closing the electric circuit when the pouring device is in the pouring position and opening the circuit when the pouring device is in the non-pouring position.

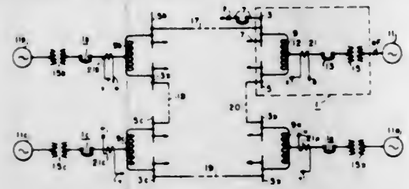
2,547,451
REVERSIBLE AUXILIARY HANDLE FOR LAWN TRIMMERS
Alfred J. Eber, Monroe, Mich.
Application October 3, 1947, Serial No. 777,752
2 Claims. (Cl. 16—111)



1. In combination with a lawn mower having a handle shaft, a clamp embracing said shaft intermediate the length of the latter, a flange upstanding from said clamp, and an auxiliary handle pivotally secured at one end of said flange and extending outwardly from said shaft substantially perpendicular to the latter, said auxiliary handle being movable about its pivotal connection with said flange substantially through a semi-circular range of movement, said flange having angularly spaced apart notches in its edge, and manually operated detent means carried by said auxiliary handle and engageable in said flange notches to releasably lock said auxiliary handle in respectively different operative positions.

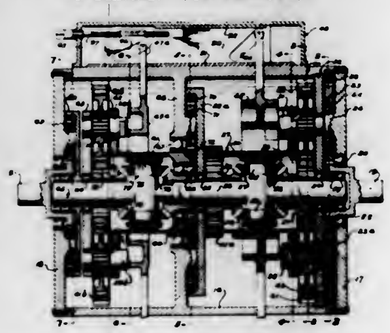
2,547,452
ELECTRICAL DISTRIBUTION SYSTEM
William W. Edson, Auburndale, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1949, Serial No. 99,495
12 Claims. (Cl. 171—97)

1. In an alternating electrical distribution system, at least three spaced impedance units, a plurality of load circuits connected in series with the impedance units to form a loop circuit, at least three sources of alternating energy, and means connecting each of the sources to a separate one of the impedance means for supplying electrical energy in parallel through separate por-



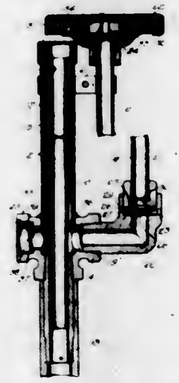
tions of the associated impedance unit to said loop circuit, each of said impedance units offering a substantially larger impedance to current flow therethrough between spaced points on said loop circuit than to the supply of electrical energy in parallel through the separate portions of each of the impedance units to the loop circuit.

2,547,453
VARIABLE-SPEED TRANSMISSION DEVICE
Joseph H. Egy, Enon, Ohio
Application September 17, 1947, Serial No. 774,635
9 Claims. (Cl. 74—679)



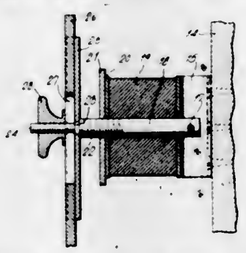
1. In a torque transmission, a pair of power output units each comprising, a rotatable cage, a plurality of cranks carried by the cage and adapted to be translatably revolved about the axis of the cage as the cage rotates on its axis, an annular cam engaged by the ends of the crank arms of the cranks as the cranks are revolved about the axis of the cage, said cam being displaceable to a position eccentric to the axis of revolution of the cage whereby, when said cam is in an eccentric position, the cranks are oscillated as the cage revolves, planetary gears carried by the cage and each being associated with one of the respective cranks, a driven element including a sun gear, said sun gear meshing with the planetary gears, a clutch operable intermittently to connect each crank with its associated planetary gear during one phase of oscillation of the crank whereby the planetary gears will drive the sun gear at a velocity depending upon the velocity of the cage plus the increment or decrement of the velocity of the cranks at the time the respective cranks and their associated planetary gears are clutched, one of said units having its cranks, planetary and sun gears arranged in two sets, each set being equal in number of cranks, planetary and sun gears to those of the other unit and having the sun gears differentially connected with its driven element; means for driving said cages, the latter means being adapted to drive the cage of said other unit at twice the speed of the cage of the said one unit and in the opposite direction; and a differential mechanism comprising a pair of torque input elements differentially connected with a torque output, one of said input elements being driven by the driven element of one of said output units and the other input element being driven by the driven element of the other of said output units.

2,547,454
EXHAUST MANIFOLD DEVICE
Charles R. Flint, La Porte, Ind.
Application April 29, 1947, Serial No. 744,582
13 Claims. (Cl. 60—30)



1. A vacuum accumulator comprising: an elongated open-ended tube at least ten times as long as its diameter, said tube being adapted to be connected to the exhaust manifold of an internal combustion engine, a housing chamber about the tube, an opening from the tube to the chamber, an air reservoir connected to the chamber, said reservoir having an opening to said chamber and an opening to the atmosphere, and means associated with said reservoir permitting a flow of air therein in a direction toward said chamber only.

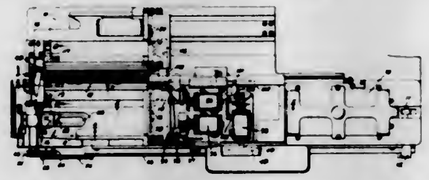
2,547,455
RESILIENTLY PIVOTED BACK REST
Roland J. Freeman, Baldwin, N. Y.
Application August 12, 1944, Serial No. 549,142
10 Claims. (Cl. 155—156)



1. A posture chair comprising a back post, a back rest, a pivotal connection fastened therebetween for cushioning the movement of said back rest, said pivotal connection including a rigid member mounted on the back rest, a stud

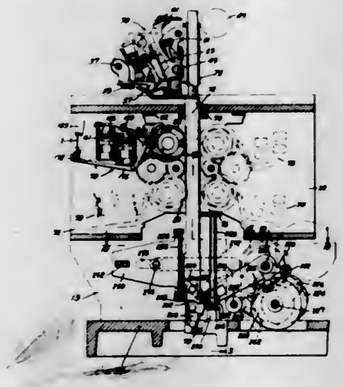
mounted on the back post and a resilient bushing supported by said stud, and means co-acting with said stud to compress said bushing against said rigid member to vary the resilience of said bushing.

2,547,456
VERIFYING MACHINE
Elliott W. Gardinor, Conklin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 17, 1945, Serial No. 622,903
9 Claims. (Cl. 73—156)



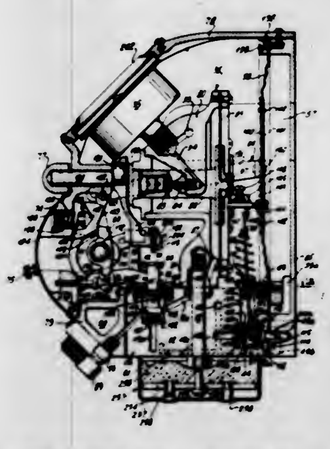
1. In a record card verifying machine, a row of sensing elements, a carriage arranged to receive a record card and move the same to cause a plurality of columns therein to pass said row of sensing elements in succession, a release key, means controlled thereby for causing advance of said carriage from a first to a last column sensing position with respect to the row of sensing elements, means for returning the carriage from its last to its first column, means effective when the carriage is in its last column position for ascertaining whether a card is in the carriage, and means controlled by said ascertaining means for rendering the returning means effective only when there is no card in said carriage.

2,547,457
DRIVE MEANS FOR RECIPROCABLE TYPE BARS
Ioino Ghertman, Saint-Mande, France, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 4, 1948, Serial No. 6,177
In France June 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 22, 1965
8 Claims. (Cl. 101—93)



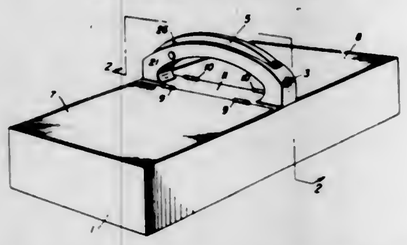
1. In a cyclically operable record controlled machine, a plurality of type bars movable vertically from lowered inoperative positions of rest to operative elevated printing positions, a driving clutch assembly for each type bar including a freely rotatable driven element and a constantly rotatable driving element, means establishing permanent tractional driving engagement between the driven element and said type bar whereby rotation of the former in one direction will cause elevation of the latter, means normally rotating said driving element at a predetermined rate of speed, means operable at a fixed point in the machine cycle for reducing the rate of speed of said driving element, locking means normally holding said driven element in any one of the rotative positions thereof and against rotation in either direction, record controlled means called into action at differential times in the machine cycle prior to reduction in speed of the driving element for removing said locking means and concurrently effecting clutching engagement between the driving element and the driven element to effect initial elevation of the type bar, and record controlled means operable during a portion of the machine cycle when said driving element is rotating at a reduced rate of speed for causing unclutching of the driving and driven elements and engagement of the locking means thus leaving the driven element locked and, as a consequence, the type bar elevated to a position advanced from its initial position by an amount determined by the differential time of clutching engagement between said elements.

2,547,458
RESUSCITATOR
Monroe Harry Goodner, Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J., a corporation of New Jersey
Application June 25, 1947, Serial No. 756,839
15 Claims. (Cl. 128—203)



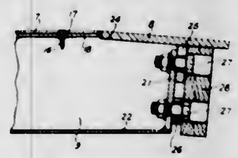
2. A resuscitator device comprising a passage adapted to be connected to a source of gas supply, a gas chamber, a venturi having two jets fed alternately by said gas supply for creating positive and negative gas pressures in said gas chamber, passages from said venturi to said chamber, an outlet from said chamber, valve means arranged to have two positions, one position for opening the passages for supplying positive gas pressures from said venturi to said gas chamber and said outlet and a second position for opening the passages supplying negative gas pressures to said chamber and said outlet, one of the walls of said gas chamber being movable responsive to gas pressure variations in said gas chamber, and means coupling said valve means to said movable wall to shift said valve means to said first valve position responsive to inward movement of said wall to a first wall position and to said second valve position responsive to outward movement of said wall to a second wall position.

2,547,459
CARRIER
Abram Franklin Green, St. Petersburg, Fla.
Application August 26, 1947, Serial No. 770,644
3 Claims. (Cl. 224—48)



1. A carrier comprising a receptacle having an open top section, a transversely disposed handle mounted on the top section and extending upwardly therefrom, a channel formed in the upper face of the handle, a lever pivotally mounted at one end in said channel and having a free end swingably disposed in the channel, a vertically reciprocable actuating pin extending through said handle and engageable with the free end of the lever, covers hinged at one end to said receptacle adjacent said handle, toggle links pivotally carried by said actuating pin, arcuate arms connected to said toggle links and said cover for swinging the same upwardly from the top section upon depression of the lever, means disposed in the handle and selectively engageable transversely with the free end of the lever for locking the lever in a depressed position, whereby the covers are held in an open position said locking means including a member slidably disposed in said handle and having a cut-out portion for accommodating the free end of the lever, said lever being formed with a transverse opening, and said member having a locking pin selectively engageable in the opening in said lever.

2,547,460
LOADING RAMP
Arthur S. Hamilton, Jr., Brighton, N. Y.
Application March 8, 1950, Serial No. 148,374
9 Claims. (Cl. 14—71)



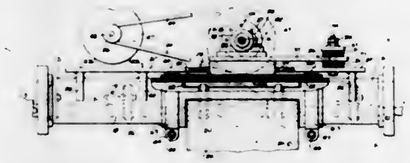
1. A loading ramp comprising a fixed shaft, a plurality of spaced supporting bars pivoted at one end on said shaft and independently movable in spaced parallel vertical planes, a floor plate extending across and resting on said supporting bars, and connectors on said floor plate loosely engaging portions of said supporting bars and having limited movement relative thereto permitting the floor plate to occupy a position inclined in two directions to a horizontal plane and the supporting bars to occupy positions at correspondingly different elevations.

2,547,461
WELL TOOL
Donald M. Hampton, Odessa, Tex.
Application September 15, 1947, Serial No. 774,106
2 Claims. (Cl. 166—13)



1. A well tool including in combination with a pipe string adapted to be released in an open ended well pipe, a packing assembly, a body in tubular, axially aligned sections, expansible slips carried by one of said sections, spring loaded means for holding said slips in contracted position, means confined by said well pipe, operative upon release from its lower end to yield said slip holding means to its spring to release said slips, means for expanding said slips to arrest downward travel of said tool in said well pipe, a wire line connecting said packing assembly and said tubular body, a plurality of interchangeable weights in longitudinally aligned relationship on said wire line for accelerating the expanding action of said slips.

2,547,462
CONVEYER VIBRATOR
Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of sixty per cent to Henry W. Hapman and forty per cent to Hannah J. Hapman, both of Detroit, Mich.
Application January 2, 1948, Serial No. 129
8 Claims. (Cl. 198—229)



1. A vibrator for dislodging conveyed material from a flight conveyor traveling in a conveyor conduit, comprising an oscillatable knocker structure movably mounted adjacent said conduit for motion toward and away from said conveyor, said conveyor conduit having an aperture through a

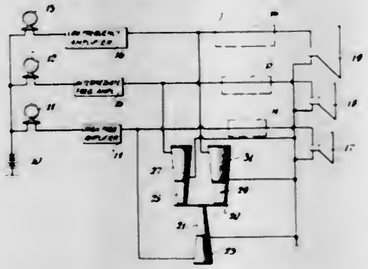
side wall thereof, a resilient wall mounted on said conveyor conduit in closing relationship with said aperture, said knocker structure including a knocker intermittently engageable with said resilient wall, and power-driven oscillating mechanism operatively connected to said knocker structure for oscillating said knocker into and out of engagement with said resilient wall.

2,547,463
CABINET COMPOSED OF INTERLOCKING SECTIONS
Walter E. Haut, Chicago Heights, Ill., assignor of one-half to William C. Maltby, Chicago Heights, Ill.
Application May 23, 1947, Serial No. 749,925
5 Claims. (Cl. 312—350)



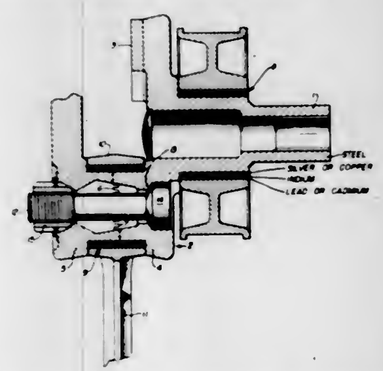
2. A cabinet comprising an inverted substantially U-shaped box-like outer unit forming a top wall and a pair of spaced parallel side walls which extend perpendicularly from the top wall, a substantially L-shaped second unit forming a back wall which lies between the side walls and a drawer supporting panel which lies contiguous to one side wall within the box-like unit, and a substantially L-shaped third unit forming a bottom wall which lies between the side walls and a drawer supporting panel which lies contiguous with the other side wall and in spaced parallel relation to the other drawer supporting panel within the box-like unit.

2,547,464
SOUND RECORDING AND REPRODUCING APPARATUS
Frederick G. Hehr, Santa Monica, Calif.
Application March 3, 1950, Serial No. 147,360
10 Claims. (Cl. 179—1)



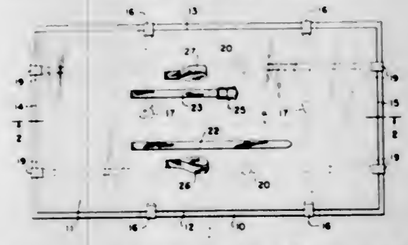
1. A sound recording and reproducing apparatus divided into a plurality of bands or channels of different frequency ranges each said band or channel including a separate amplifier and separate magnetic sound recording and reproducing head electrically connected to its amplifier and both responsive only to frequencies within their own and the same predetermined range, a flexible and movable tape, a plurality of sound tracks each of a different width, means whereby each of said sound tracks cooperates with a different head for sound recording and reproducing purposes and each said sound track containing a finely divided material throughout its area and of an amount different from that of another sound track.

2,547,465
CRANKSHAFT BEARING ASSEMBLY
Ralph M. Heintz, Cleveland, John W. Frazier, Shaker Heights, and Leonard J. Koch, Cleveland, Ohio, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application March 21, 1946, Serial No. 656,046
3 Claims. (Cl. 308—237)



1. An anti-friction connecting rod bearing for a rigid metal engine crankshaft, said bearing comprising a layer of relatively hard non-corrosive resistant bearing metal bonded to said shaft, a layer of indium on said layer of hard bearing metal and a layer of relatively soft non-corrosive resistant bearing metal on said layer of indium, said indium being diffused by heat into both said hard and soft bearing metals.

2,547,466
BABY HOLDING DEVICE
Louis A. Hoder, Philadelphia, Pa.
Application April 25, 1949, Serial No. 89,399
2 Claims. (Cl. 128—134)



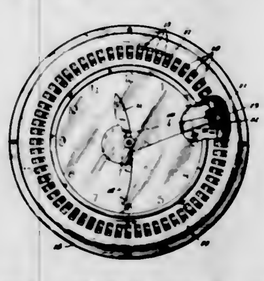
1. In a baby holding device, a flat cover sheet of flexible material having a head end and a foot end adapted to extend respectively beyond the head and feet of the baby, a pair of spaced loops of flexible strip material secured to said sheet intermediate the ends and extending towards said foot end and adapted to extend in holding relation at the armpits of the infant, a strap portion carried by said sheet between said head end and said loops, another strap portion carried by said sheet between said head end and said loops in transverse spaced relation to said first mentioned strap portion, said strap portions being adapted to engage the body of the baby over the shoulders and having free ends adapted to extend through said loops and across the chest of the infant in meeting relation, and adjustable fastening members for said free ends for holding said free ends in adjusted restraining position.

2,547,467
SELF-ADJUSTING NOSE PAD AND BROW REST FOR OPTICAL FRAMES
Kenneth Hurst, Chattanooga, Tenn.
Application March 8, 1949, Serial No. 80,278
10 Claims. (Cl. 88—49)



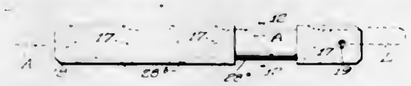
1. In combination with an optical frame having a fixed nose bridge and ears projecting laterally from said bridge, a nose rest support comprising a frame member having a pair of spaced portions, means carried by said portions engaging said ears for pivotal movement of said frame member relative to said nose bridge, nose gripping pads pivoted to said portions and disposed below said ears, and a forehead contacting element carried by and movable with said frame member, said element extending transversely between said portions and being disposed above said pads.

2,547,468
SECOND-MARKING CLOCK
Paul Hussey, Indianapolis, Ind.
Application February 26, 1947, Serial No. 730,942
6 Claims. (Cl. 58—50)



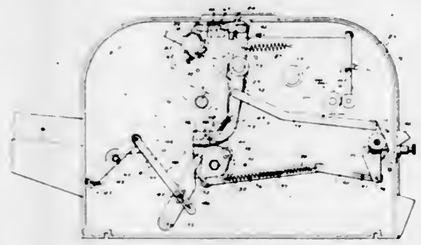
1. In a display device, a housing including an annular mask, said mask being provided with an annular series of translucent windows, said windows being of uniform angular extent and being equally angularly spaced apart, a source of illumination positioned to cast light through said windows, a movable sweep concentric with said mask, means for driving said sweep about said center at a uniform velocity, and light-obstructing means carried by said sweep upon a path interposed between said light source and said windows, said light-obstructing means including two substantially opaque segments, each having an angular extent at least as great as that of one of said windows, said segments being angularly spaced apart to define therebetween a translucent segment having an angular extent substantially greater than the angular extent of a window.

2,547,469
FRICTION GRIP FOR FLEXIBLE LINES
William M. Husson, St. Augustine, Fla.
Application August 27, 1945, Serial No. 612,952
1 Claim. (Cl. 24—129)



In a friction grip for use with flexible lines, an elongated body having a central rectilinear axis, said body having a plurality of pairs of divergent openings spaced along the body from one end to the other end, said openings having their axes in a common plane wherein lies the axis of the body, said openings extending between opposite sides of the body, the openings of each pair having closely spaced mouths at one side of the body and widely spaced mouths at the other side of the body, said body having an axial opening extending from one end of the body to the adjacent divergent opening, said body having a transverse opening adjacent its other end and having an axis normal to the plane of the axes of the divergent openings, said transverse opening lying between the divergent opening nearest the extremity of said other end and said extremity whereby the extremity of a line may be secured through the transverse opening and be lead therefrom to the last mentioned divergent opening to form a hook attaching loop, said body having longitudinally extending grooves with which said mouths communicate, said body having a reduced cylindrical portion intermediate its ends and communicating with the divergent openings at each end of the cylindrical portion.

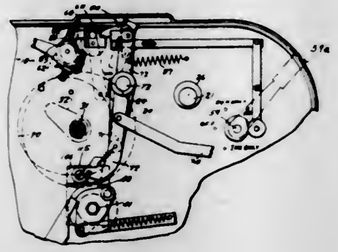
2,547,470
INK FOUNTAIN INTERRUPTER FOR ROTARY PRINTING MACHINES
Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 17, 1945, Serial No. 573,280
3 Claims. (Cl. 101—233)



1. In a printing machine, a rotary printing drum, an inking system therefor including a form roll coacting with the drum, a fountain roll, trans-

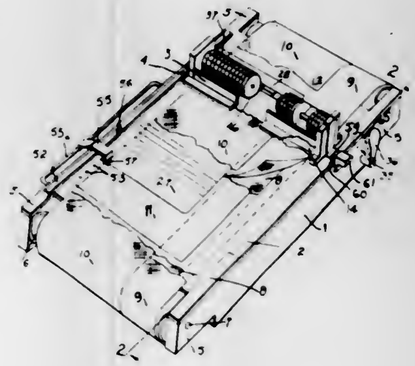
fer means operating in timed relation with the drum to transfer ink from the fountain roll to the form roll, a ratchet on the fountain roll, a pawl carrier carried by the axis of the ratchet and having a pawl to engage the ratchet, means operating in timed relation to the drum to oscillate the pawl carrier to propel the ratchet and turn the fountain roller, a paper detector, a platen roll, means controlled by said detector to shift the platen roll to an idle position consequent upon the absence of paper, linkage directly interconnecting said last named means with said pawl to move the pawl to an idle position without disturbing the swinging movement of the pawl carrier whereby the supply of ink to the fountain roll is interrupted without disturbing the operation of the form roll or the ink transfer means, and means to automatically restore the platen and said pawl consequent upon the presence of paper at the detecting position.

2,547,471
ROTARY OFFSET PRINTING MACHINE INTERRUPTER
Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Original application January 17, 1945, Serial No. 573,280. Divided and this application March 6, 1946, Serial No. 652,262
9 Claims. (Cl. 101—144)



1. In an offset printing machine including a frame having a master drum and a transfer drum, means to rotate said drums in timed relation with each other, one of said drums being mounted for rotation on a shaft eccentrically mounted in the frame to move such drum into and out of contact with the other drum, means constantly tending to separate said drums, a latch normally acting to retain said drums in a contacting relation and manually releasable at any time during the revolution of the drums whereby the drums may be separated at any time, manually operated means to reset said drums in a contacting relation, means including a latch plate on said shaft to cooperate with the latch, resilient means to hold the latch in a latching position, and a second latch to cooperate with the latch plate to latch the shaft in a drum separating position against the action of the resetting means, and means operating in timed relation with the rotation of the drum to release said last named latch at a predetermined point in the revolution of the master drum and hold the latch released for a predetermined portion of the cycle of revolution of the drum to thereby prevent resetting of said drums except during a predetermined portion of the cycle of revolution of the master drum and yet permit separation of said drums at any time during the cycle of revolution of said drums.

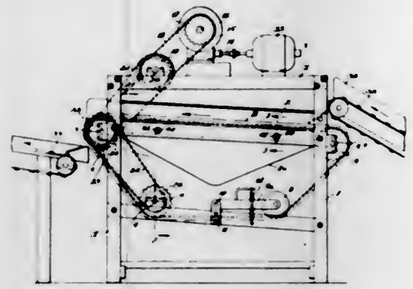
2,547,472
SELECTIVE PRINTING DEVICE WITH ROLLER PLATEN
Harry Jetter, Quincy, Mass., assignor to Joseph A. Dunn, Boston, Mass.
Application February 5, 1945, Serial No. 576,221
11 Claims. (Cl. 101—93)



1. A portable printing device of the class described, comprising, a box-like frame, a table surface mounted on the top of said frame, said table surface having a slot disposed crosswise thereof, a printing member hingedly secured at one side of said table surface so as to extend over the slot and crosswise of said table surface, latching means positioned at the other side of said table surface for releasably maintaining said printing member in position over said slot, means associated with said table surface for guiding a sheet to be printed lengthwise over said surface, a platen element mounted within said frame and beneath said table surface adjacent the slot, means in the form of a manually operable handle member connected with said platen element and disposed at one side of said frame for shifting said platen element within the slot and back and forth relative to said printing member so as to urge the sheet to be printed against said printing member, in one direction of movement, and means actuated by said handle member for operating said latching means at the end of such movement to prevent said printing member from contacting said sheet during return movement of said platen element in the opposite direction.

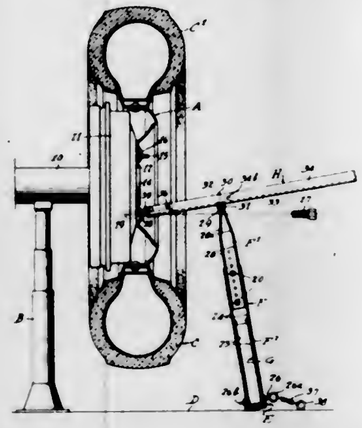
2,547,473
MACHINE FOR SIZING VEGETABLES
Peter G. Klem, Webster, N. Y.
Substituted for abandoned application Serial No. 451,881, July 22, 1942. This application January 2, 1946, Serial No. 638,646
5 Claims. (Cl. 209—102)

1. In a sizing machine for separating vegetables and the like, the combination with a conveyor bed comprising a plurality of parallel traveling belts, adjacent belts being spaced the desired distance apart to permit undersize units to fall through the spaces between them, and means for driving adjacent belts at different speeds, of a plurality of rotary disks, one of which is arranged in the space between each pair of adjacent belts at the delivery end of the bed to project into said space, and means for rotating said disks, said disks being all of the same diameter



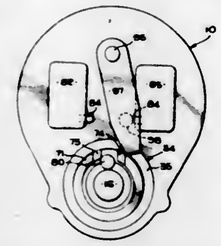
but lying beneath the outer surface of the conveyor bed at said delivery end.

2,547,474
WHEEL-LIFTING JACK
Lynne La Munyon, Carlsbad, Calif.
Application October 19, 1948, Serial No. 55,277
6 Claims. (Cl. 254—131)



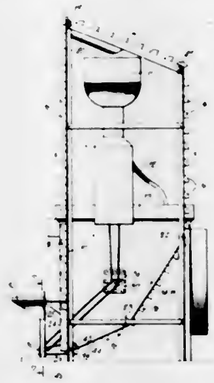
1. In a wheel-lifting jack of the character described; an elongated channel-shaped base having its web disposed on the underside and its flanges projecting upwardly; a channel-shapped standard movable into upright position relative to the base, and also movable into folded position between the flanges of the base; the flanges of the standard also facing upwardly when the standard is folded; a channel-shaped brace having its end portions hinged to the base and to an intermediate part of the standard; the brace being movable into a position between the flanges of the standard and base with its flanges also facing upwardly; means for removably anchoring the lower end of the standard to the base; a pivot rod extending above the top of the standard and connected thereto; a lever journalled on the pivot rod for swinging about the latter and also movable into various inclinations relative to the standard; and a wheel-engaging hook disposed on one end of the lever.

2,547,475
MOTOR-DRIVEN ACTUATOR UNIT
Victor A. Larsen, Altadena, Calif.
Application April 1, 1949, Serial No. 84,855
3 Claims. (Cl. 192—.02)



1. An actuator unit comprising a housing, a motor, speed-reduction means contained within said housing and operatively connected to said motor, said speed-reduction means including a driven gear having a circular cavity formed therein concentric with its axis of rotation, a rotatable driven shaft member arranged coaxial with said driven gear and extending into said cavity, a C-shaped clutch spring surrounding said driven shaft member within said cavity and expanding radially outward into frictional driving engagement with said driven gear, one of the ends of said clutch spring having a positive driving connection with said driven shaft member, and means on said housing engageable by the other end of said clutch spring as said driven shaft member approaches the end of a predetermined angular travel, said means stopping said other end of said clutch spring and thereby contracting the spring so as to release the frictional driving engagement thereof with said driven gear member.

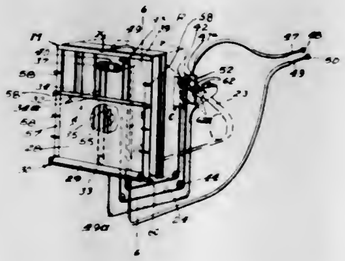
2,547,476
CONVEYER
Emil Lehmann, West Englewood, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J.
Application October 1, 1946, Serial No. 700,519
1 Claim. (Cl. 198—55)



A supply mechanism which comprises an inclined chute, a hopper below the upper end of

said chute having a notch in one wall to receive said upper end of said chute, a plunger having its upper surface inclined in the direction of said chute and movable upwardly and downwardly through the bottom of said hopper to bring its upper face from the bottom of said hopper to the upper end of said chute, a series of conveyor buckets, an endless conveyor carrying said buckets successively to receiving position at the lower end of said chute, and a common drive for said conveyor and said plunger to bring a bucket to receiving position in timed relation to the upward movement of said plunger.

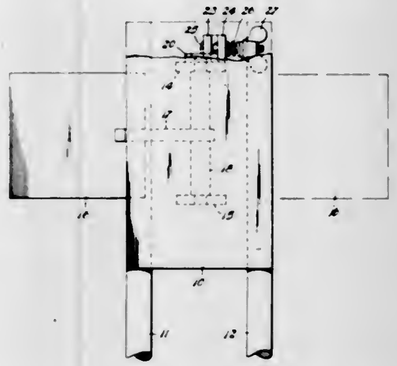
2,547,477
SEMIAUTOMATIC HEAT CONTROL
Theodore Keith Lewis, Wauneta, Nebr.
Application October 1, 1947, Serial No. 777,173
7 Claims. (Cl. 123—41.04)



1. The combination with a motor vehicle including a radiator and a fan driving belt; of a heat regulator to be secured to the vehicle in advance of the radiator and comprising a frame, a spring roller carried thereby, a curtain wound thereon, a pulley supported for movement into and out of driven contact with the fan belt, and means for moving the pulley into contact with the belt, a friction pulley supported for shifting movement, a driving coupling between the pulleys, a rotatable element operatively coupled with the curtain and functioning when rotated in one direction to unwind the curtain from the spring roller, said pulleys and driving coupling being movable as a unit, and means for operatively coupling the friction pulley and rotatable element upon movement of said unit in one direction.

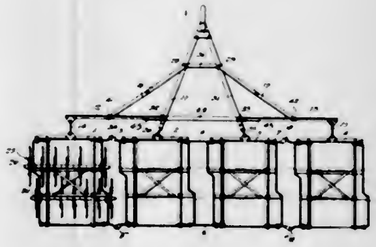
2,547,478
TARGET FOR FIREARM PRACTICE
Philip S. Lieberman, Clarence, N. Y.
Application July 7, 1948, Serial No. 37,368
7 Claims. (Cl. 273—102.1)

1. In a target, a front stationary plate and means for supporting the same, a vertical pivot disposed centrally behind said plate, an arm supported for swinging movement by said pivot and having a flat target plate at its outer end, said arm and target plate normally extending generally parallel to the front plate with the target plate exposed at one side of the front plate, said arm and target plate being adapted to swing rearwardly thence forwardly to an opposite position also generally parallel to the front plate with the target plate exposed at the opposite side of the front plate, over-center resilient means urging the target plate to either of its limit positions at opposite sides of the front



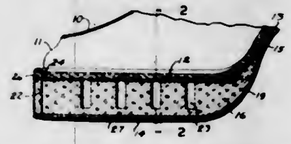
plate, and manual means for varying the stress of the resilient means.

2,547,479
FOLDING ROTARY HOE
John M. Markel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 19, 1945, Serial No. 623,324
3 Claims. (Cl. 55—11)



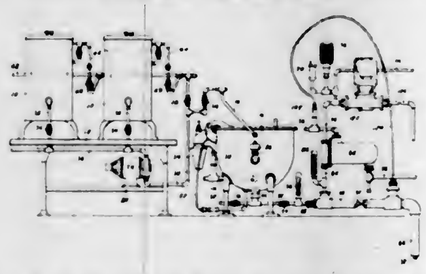
2. A sectional rotary hoe comprising two pairs of frames, a plurality of coaxial laterally spaced rotary hoes rotatably mounted in each frame to rotate about an axis transverse to the line of travel, the frames of each pair having a pivotal connection with each other adjacent their proximal rear edges, means for detachably securing their normally proximal front edges together for position of use, means for detachably securing their normally distal rear edges together for position of transport, whereby in use all four frames are positioned side by side and in transport one frame of each pair may be positioned behind the other, and drawbar means for said frames comprising a pair of rearwardly extending drawbars secured to the two inside frames, respectively, two beams pivoted to said drawbars, respectively, each movable from a laterally extending position to a position alongside one of said drawbars, detachable means connecting said beams with the two outside sections, respectively, and tension means connecting said beams with said drawbars, respectively, for exerting draft on the beams when in extended position.

2,547,480
SHOE PLATFORM CONSTRUCTION
Eskel J. McDaniel, St. Louis, Mo.
Application May 15, 1948, Serial No. 27,226
2 Claims. (Cl. 36—19)



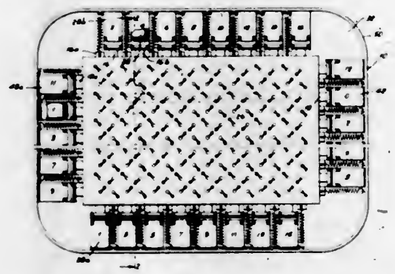
1. A platform filler for a lady's high-heeled shoe comprising a generally flat block of continuous material shaped in outline to conform to a shoe sole and a separately formed projection secured to the upper surface of the block at the rear edge thereof for bracing the shoe instep and providing smooth contours for receiving the insole and outsole.

2,547,481
BEVERAGE DISPENSING APPARATUS WITH RECIRCULATING MEANS
John J. McDonald, Newton, Mass.; William J. McDonald, executor of said John J. McDonald, deceased, assignor to The McDonald Company, Boston, Mass., a corporation of Massachusetts
Application May 1, 1945, Serial No. 591,272
1 Claim. (Cl. 225—21)



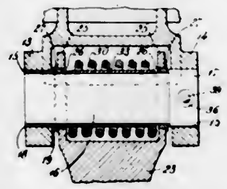
In a coffee making and distributing apparatus, a plurality of coffee brewing urns, a jacketed storage reservoir adjacent the urns, the jacket of said storage reservoir being connected to a source of heating medium, a supply pipe extending between the urns and the storage reservoir and having branches connected in parallel with said urns, a pump in circuit with said supply pipe for pumping coffee from the urns into the storage reservoir, a return pipe having branches in parallel with the urns and connected to the supply pipe at a point intermediate the pump and the storage reservoir, independently operable valves in the branches of the return pipe, a valve for opening and closing communication between the return pipe and the supply pipe to allow flowing coffee from the urns to the storage reservoir or for recirculating coffee through the supply and return pipes and the urns, a dispensing device remotely located from the storage reservoir, a delivery pipe extending between the storage reservoir and the dispensing device, a water jacket surrounding the delivery pipe for a substantial distance along the length thereof and terminating adjacent the dispensing device, a water return pipe connected to said water jacket, a pump for continuously circulating water through said water pipe and water return pipe, a water heater for heating the water circulating through said water pipe and water return pipe, and a thermostatically-controlled valve responsive to the temperature of the water in the water jacket for controlling the temperature of said water heater.

2,547,482
WIRE CONTACT STORAGE UNIT
Robert F. McKiever, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 21, 1949, Serial No. 100,395
12 Claims. (Cl. 235—61.6)



1. An electrical storage device comprising, a pair of plates fixed in spaced relation to each other, a plurality of slides disposed between said plates in parallel relation to each other, a plurality of parallel slides disposed between said plates in intersecting relation with respect to first named slides, an aligned passage through said plates and said slides at the points at which said slides intersect, a contact at each of the passages in one of said plates, a conductor in each of said aligned passages, one end of said conductors being attached to said other plate and having their free ends adjacent their respective contacts, electromagnetic means for imparting reciprocation to the parallel slides of one set to move the free ends of the conductors passing therethrough into contact position with respect to their respective contacts, electromagnetic means for imparting reciprocation to the intersecting slides to move the conductors into latched contact with their respective contacts, means for selectively energizing said electromagnetic devices, and means for impressing a current on conductors in contact with their respective contacts.

2,547,483
HAND STRAP
Everard C. Mersereau, Westfield, N. J., assignor to The Elicon Company, a corporation of New York
Application July 23, 1949, Serial No. 106,341
7 Claims. (Cl. 105—354)



1. In a hand strap, the combination of a bracket having a pair of spaced lugs provided with aligned openings, a pin having its opposite ends supported in the lug openings, one end of

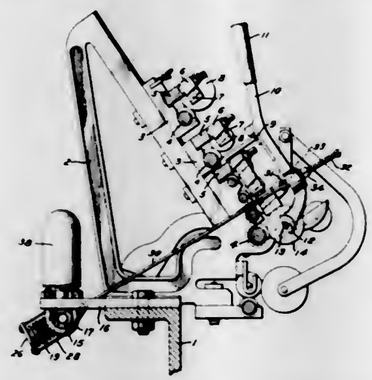
the pin having a diameter substantially equal to that of the openings in the bracket lugs and the remainder of the pin having a reduced diameter, a bushing in the opening of the lug supporting the small end of the pin, a hanger having a pair of spaced lugs provided with aligned openings and mounted on the pin, bushings in the hanger lug openings, a coil spring encircling the pin and having one end anchored in the bracket and the other end being engageable by a part of the hanger, a stop on the bracket normally engaged by said other end of the spring, and a bushing interposed between the spring and the pin.

2,547,484
FILE HOLDER
William M. Murdach and Henry Harrison, Gorst, Wash.
Application October 11, 1949, Serial No. 120,730
2 Claims. (Cl. 29—80)



1. A holder for a file comprising a handle having a forward extension including a stationary bar terminating at its forward end in a hand hold, an extension bar having a portion coextensive with and slidably engaged with said stationary bar, said extension bar terminating at its forward end in a downturned hook for engagement by the forward end of a file positioned beneath and along said stationary and extensible bars, clamping means for fixing said extensible bar in adjusted relation to said stationary bar, and holding means on said handle for holding the shank of a file.

2,547,485
DRAFT ROLLER PRESSURE CONTROL MECHANISM
Gilbert F. Norcross, West Caldwell, N. J., assignor, by mesne assignments, to McGlynn Hays Industries, Inc., Belleville, N. J., a corporation of New Jersey
Application March 25, 1949, Serial No. 83,386
6 Claims. (Cl. 19—135)



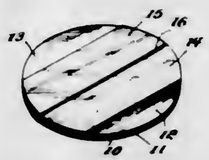
1. Fluid control means for regulating the pressure upon the weight rollers of each of a plurality of pairs of draft rollers to control the friction upon the slivers passing between the rollers of each pair comprising, a manifold, means to force incompressible fluid to said manifold, a plurality of expansible chambers each having one end fixed to and in communication with said manifold, and linkage connecting the opposite end of each said expansible chamber to its respective weight roller, whereby pressure may be applied equally and simultaneously to all of said weight rollers and pressure changes upon a weight roller due to yielding of that weight roller to thickness irregularities in the sliver will be minimized by distribution to all weight rollers.

2,547,486
LOCK FOR CABINETS
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application October 20, 1945, Serial No. 623,546
9 Claims. (Cl. 109—59)



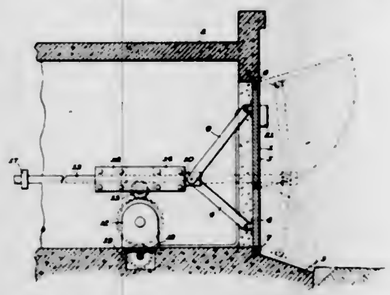
1. In a heat-resisting cabinet, a hollow casing having outer walls formed of a metal shell and a molded insulating filler, said casing having a plurality of compartments, a plurality of closure members therefor, each having an insulating filler, individual latch devices for each of said closure members, each latch device including a latch housing embedded within the insulating filler of said walls and opening into said compartments forwardly of the rear surfaces of the insulating filler of said closure members when the latter members are in closed position, and control means common to said latch devices accessible from the exterior of said casing for actuating said latch devices.

2,547,487
SEPARATE AND INDIVIDUAL PRESSURE ADHESIVE PIECES WITH MEANS OF APPLICATION AND ATTACHMENT OF SAME
Frederic Houghton Penney, West Newton, Pa.
Application April 10, 1947, Serial No. 740,674
1 Claim. (Cl. 154—53.5)



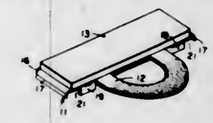
An adhesive tab comprising a material engaging member, a coating of pressure sensitive adhesive upon one side of said member, a pair of covers detachably mounted upon one side of said member and an integrally formed handle portion for each of the covers, each of said handle portions being provided by a fold in the cover and the edges of the folds being immediately contiguous to completely cover the adhesive and the member.

2,547,488
DOOR AND MECHANISM FOR OPENING AND CLOSING THE SAME
Clyde Potts, Morristown, N. J.; Weston Gavett, Stanley N. Williams, and John D. Collins, 3rd, executors of said Clyde Potts, deceased
Application May 3, 1946, Serial No. 666,997
2 Claims. (Cl. 268—74)



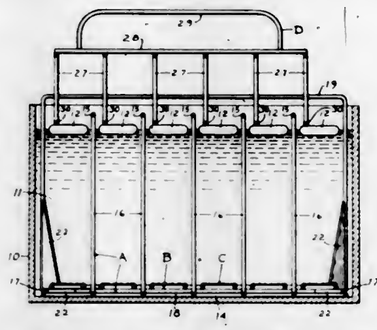
1. A closure for a building entrance opening above the ground level and operating means therefor, comprising a pair of doors of balanced weight and different height arranged one above the other and hinged at the top and bottom of the entrance to swing outward in opposite directions about horizontal axes, the upper door being of greated height than the lower door and when open serving as a canopy to protect the entrance against weather conditions and the lower door when open inclining downwardly and resting on the ground as a ramp, a toggle lever connection to each door, a toggle head connecting the levers, gearing for advancing and retracting the toggle head to impart opening and closing movement to the doors through the toggle lever connections, the toggle head being movable by said gearing beyond the line of centers of the toggle lever connections to the doors to lock the doors in open position and against accidental closing.

2,547,489
BUTT GAUGE
William A. Priebe, Los Angeles, Calif.
Application May 19, 1947, Serial No. 748,952
5 Claims. (Cl. 33—197)



1. A butt gage comprising a flat rectangular plate having a face and a back and having upon three sides of its face a middle edge and a side edge extended normal to said face, said middle edge extending farthest from said face and being spaced at its ends from the planes of said side edges, said side edges being spaced at their ends from the plane of said middle edge, the spacing of said ends providing openings to receive a sharpening file, a flat handle positioned opposite said middle side and extended parallel to said face, lugs extended from the fourth side of said face in the same direction as said edges and adapted to abut the side of a door and cooperate with said middle edge in positioning said gage relative thereto, and an anvil on the back of said plate to receive blows to drive said middle and side edges into a contacted surface.

2,547,490
PROVISION FOR TURNING DOUGHNUTS IN DOUGHNUT COOKERS
Homer C. Rich, Lake City, Ill.
Application December 11, 1947, Serial No. 791,115
2 Claims. (Cl. 99—409)

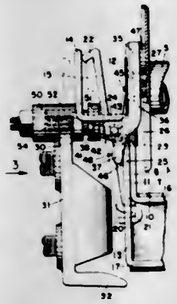


1. An assembly to be used in connection with a rectangular vat for cooking in deep hot fat contained in the vat a number of doughnuts floating in the fat, the assembly consisting of a generally rectangular open separator frame having a horizontal bottom portion to rest on the bottom of the vat and provided with transversely spaced apart, upright, partition members dividing the vat into separate parallel cooking spaces each of a width slightly greater than the diameter of a doughnut, and the partition members including vertical bars spaced at a distance apart less than the diameter of a doughnut, an open placer frame and a separate independent doughnut carrier tray to be carried by said placer frame and thereby lowered into and lifted from the vat, said placer frame resting on the bottom of said separator frame and the carrier tray having parallel open-work doughnut carrier strips with intervening parallel slots to pass freely over the upright partition members of said separator frame, and an open turner frame having a plurality of transversely spaced apart, depending, vertical members corresponding in number to the number of cooking spaces provided with the applied separator frame in the vat, each vertical member having a horizontal lower doughnut turner bar engaging and turning simultaneously the doughnuts floating in each cooking space in the vat when the turner frame is lowered into the vat with the turner bars of the frame brought first in contact with the top side of each doughnut off center thereof and close to a common side of the respective cooking spaces of the separator frame, and a continued combined downward and transverse movement of the turner frame inverting the doughnuts with their previously under sides uppermost.

2,547,491
SPOOL TENSION FOR AXMINSTER TUBE FRAMES
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 16, 1947, Serial No. 774,227
10 Claims. (Cl. 139—10)

1. In a yarn spool carrying tube frame for an Axminster loom having a transporting chain to support the tube frame and a clutch movable endwise of the tube frame, a bracket secured to the tube frame, a hook pivoted on the bracket

normally engaging the chain to support the tube frame and moved by the clutch through a range of motion toward the spool to disengage the tube frame from the chain, a lever pivoted on the bracket and having a brake arm and a release arm located at one side of said range of motion,



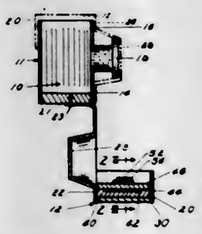
and resilient means normally holding the brake arm against the spool and normally holding the release arm in position for engagement with the clutch to enable the latter to rock the lever and move the brake arm away from the spool at one side of said range of motion when disconnecting the tube frame from the transporting chain.

2,547,492

COMBINATION CAMERA CASE AND FILTER HOLDER

Sigmund Rohlik, Detroit, Mich.

Application January 29, 1949, Serial No. 73,499
1 Claim. (Cl. 150—52)



In a camera case including a body having an open front and an open top, a front covering flap hinged at one horizontal edge thereof to the body at the lower front horizontal edge of the body and formed to be swung forward and up to cover the front of the body or to be swung down to expose the front of the body, a marginally flanged top cover for the top of the body hingedly connected to the other horizontal edge of the flap whereby the top cover may occupy an open position forward and below the body, suspended from the bottom of the body by such flap, with the top cover marginal flange above and surrounding the rest of the top cover, whereby the top cover in such open position may serve as an open tray, well below and in front of the body, and whereby the top cover may occupy a position to cover the top of the body with the flap covering the front of the body, that improvement which consists of a base pad in said top cover having large shallow sockets in that surface thereof which is uppermost when the top cover is in such open position, and a hold down pad resting on said base pad and removably secured thereto by snap fasteners on the cooperating and engaging surfaces of the base pad and the hold down pad, said snap fasteners including male elements projecting upwardly from said base pad, and female elements in the under surface of the hold down pad, and a strap on the upper surface of the hold down pad enabling said hold down pad to be lifted up from the base pad, said strap being secured to said hold down pad by rivet head portions of said snap fasteners.

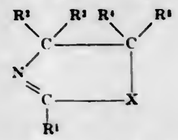
2,547,493

IMIDO-ESTERS OF DIELS-ALDER ADDUCTS AND PROCESS FOR PRODUCING SAME

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 1, 1949, Serial No. 130,599
12 Claims. (Cl. 260—101)

1. A process for the preparation of new imido-esters, which comprises chemically combining, at a temperature from 20° C. to 300° C., (1) a Diels-Alder adduct of maleic anhydride and a member of the class consisting of rosin, esters of rosin, tung oil and dehydrated castor oil, with (2) an azoline of the general formula



in which X represents an atom of an element from the class consisting of oxygen and sulfur; R^2, R^3, R^4, and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups; and R^1 represents a member of the class consisting of alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups and monounsaturated and diunsaturated aliphatic hydrocarbon groups containing not more than 17 carbon atoms.

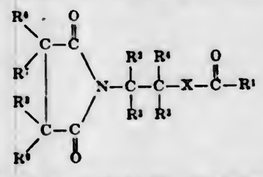
2,547,494

PRODUCTION OF SUCCINIMIDO-ESTERS

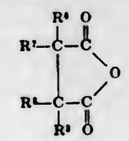
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 17, 1949, Serial No. 133,675
6 Claims. (Cl. 260—326.5)

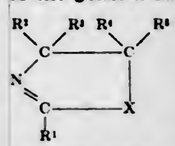
1. A process for the preparation of β-succinimidoethyl esters of the general formula



which comprises chemically reacting at a temperature from 20° C. to 300° C. equimolar amounts of a succinic anhydride of the formula



and an azoline of the general formula



in which X is an atom from the class consisting of sulfur and oxygen; R^2, R^3, R^4 and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, alkaryl, aralkyl, and cycloalkyl groups; R^1 represents a member of the class consisting of alkyl, aryl, aralkyl, alkaryl, and cyclohexyl groups and monounsaturated and diunsaturated aliphatic hydrocarbon groups containing not more than 17 carbon atoms; and R^6, R^7, R^8 and R^9 represent members of the class consisting of hydrogen atoms, alkyl groups and alkenyl groups.

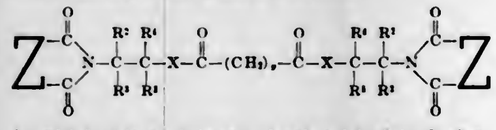
2,547,495

PRODUCTION OF BIS-PHTHALIMIDO-ESTERS

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 28, 1949, Serial No. 135,543
13 Claims. (Cl. 260—326)

6. As new chemical compounds, bis-phthalimido-esters of the general formula



in which y is an integer of value 4 to 8 inclusive; X represents an atom of an element from the class consisting of oxygen and sulfur; Z represents a divalent radical from the class consisting of phenylene and naphthylene radicals; and R^2, R^3, R^4, and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups.

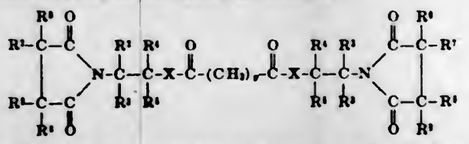
2,547,496

BIS-SUCCINIMIDO-ESTERS

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 29, 1949, Serial No. 135,821
13 Claims. (Cl. 260—326.5)

6. As new chemical compounds, bis-succinimido esters of the general formula



in which y is an integer of value 4 to 8 inclusive; X represents an atom of an element from the class consisting of oxygen and sulfur; R^2, R^3, R^4 and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups; and R^6, R^7, R^8 and R^9 represent members of the class consisting of hydrogen atoms, alkyl groups, and alkenyl groups.

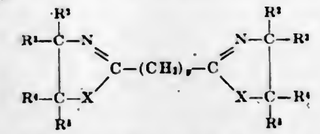
2,547,497

REACTION PRODUCTS OF BIS-AZOLINES AND DIELS-ALDER ADDUCTS

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application January 3, 1950, Serial No. 136,647
12 Claims. (Cl. 260—101)

1. A process for the preparation of new imido-esters, which comprises chemically combining, at a temperature from 20° C. to 300° C., (1) a Diels-Alder adduct of maleic anhydride and a member of the class consisting of rosin, salts of rosin, esters of rosin, tung oil and dehydrated castor oil with (2) a bis-azoline of the general formula



in which y is an integer of value 4 to 8 inclusive; X represents an atom of an element from the class consisting of oxygen and sulfur; R^2, R^3, R^4, and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups.

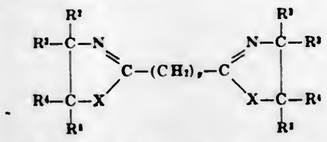
2,547,498

POLYMERIC IMIDO-ESTERS PREPARED FROM MALEIC ADDUCTS OF FATTY ACID ESTERS AND BIS-AZOLINES

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application March 8, 1950, Serial No. 148,515
10 Claims. (Cl. 260—18)

1. A process for the preparation of an imido-ester, which comprises chemically reacting at a temperature of 20° C. to 300° C., (1) maleic anhydride-adducts of esters of nonconjugated, non-hydroxylated, olefinically unsaturated, aliphatic, carboxylic acids containing 10 to 24 carbon atoms, said adducts containing one to six anhydride groups per molecule, with (2) bis-azolines of the general formula



in which y is an integer of value four to eight inclusive; X represents an atom of an element from the class consisting of oxygen and sulfur; R^2, R^3, R^4 and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl, alkaryl, and cycloalkyl groups.

2,547,499

POLYGONAL WATCHCASE

Werner Schmits, Grenchen, Switzerland

Application November 25, 1946, Serial No. 712,102
In Switzerland April 26, 1946
4 Claims. (Cl. 58—90)

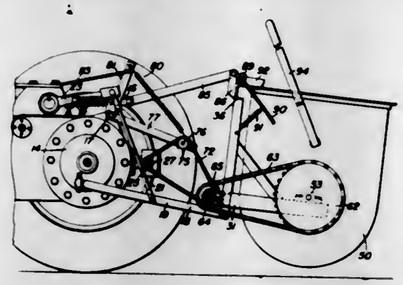
1. In a dust-proof fancy watch case, a combined bezel and center including a flange, a bottom fixed to said combined bezel and center and having an upstanding peripheral portion encom-

passed by the bezel, a movement-supporting frame supported on said bottom and abutting the inner surface of said upstanding portion, an angle-shaped inset frame having a vertical section snugly fitting between said movement-supporting frame and said bezel and having a



lateral section provided with an upper trued up surface, and a crystal made from synthetic material having a rim including a lower trued up surface in dustproof contact with said trued up surface of the lateral section and being clamped fast between said lateral section of the angle-shaped inset frame and said flange.

2,547,500
CONCRETE MIXER
Robert M. Selby, Nicollet, Minn.
Application November 16, 1950, Serial No. 195,947
3 Claims. (Cl. 259—171)



1. In combination with a tractor which has a power take off, a draw bar and a pivot pin mounting a rocker, a mixer comprising a frame pivotally connected to the draw bar, a container having an agitator shaft mounted in bearings on said frame, a lay shaft having a drive element at one end and means drivingly connecting the other end to said agitator shaft, a flexible drive member engaged with said drive element and driven by the power take off, a tightener operatively connected with said flexible drive member and pivoted to said pivot pin, a compression link connected to said rocker and said frame, and a brace secured to said frame and slidably connected to the drawbar to impede side sway of said frame.

2,547,501
METHOD OF PREPARING 2-AMINO-4-HYDROXY-6-METHYLOL PTERIDINE
Joseph Semb, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1946, Serial No. 715,332
6 Claims. (Cl. 260—251.5)

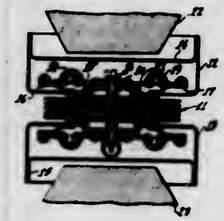
4. A method which comprises heating an aqueous solution of dibromoacetonylpthalimide and thereafter adding thereto while maintaining the hydrogen ion concentration within the range pH 7 to pH 10 an aqueous solution of 2,4,5-triamino-6-hydroxy pyrimidine, whereby 2-amino-4-hydroxy-6-methylol pteridine is formed, and recovering the said 2-amino-4-hydroxy-6-methylol pteridine.

2,547,502
LIFTING RIG
Leathem D. Smith, Carl R. Christianson, Richard A. Stearn, and Howard H. Hunt, Sturgeon Bay, Wis.; said Christianson, said Stearn, and said Hunt assignors to said Smith; Alva Smith administratrix of said Leathem D. Smith, deceased
Application August 10, 1945, Serial No. 610,148
7 Claims. (Cl. 294—67)



1. A hoisting rig comprising a freight container having upwardly open recessed leg sockets having coupling elements therein mounted at upper corner parts thereof, a frame adapted to fit onto the top of said container and having downwardly depending legs adapted to seat in said leg sockets to guide the frame into predetermined coupling position on said container, and coupling elements mounted on the frame and guidedly engaged with said coupling elements on the container and responsive to movement of said frame into said predetermined position.

2,547,503
MULTIRESONATOR MAGNETRON
Philip T. Smith, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1943, Serial No. 510,871
12 Claims. (Cl. 315—39)



1. An electron discharge device including an elongated cathode and an anode member surrounding said cathode, said anode member having a central space around said cathode and a plurality of pairs of adjacent slots communicating with said space, the slots of each pair being parallel to each other, each pair of parallel slots having communicating passageways therebetween at the extremities thereof, said slots and passageways providing radially directed coaxial line resonators, and means for producing a magnetic field parallel to said cathode and between said cathode and said anode member.

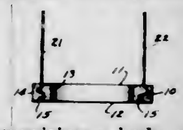
2,547,504
PURIFICATION OF TETRACHLOROPHTHALIC ANHYDRIDES
George W. Steahly, Maplewood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1949, Serial No. 109,819
19 Claims. (Cl. 260—341)

1. A method of purifying crude tetrachlorophthalic anhydride, which comprises heating crude tetrachlorophthalic anhydride in the presence of an alkaline salt of an alkali metal at a temperature above about 260° C. for a period of time sufficient to permit separation of said tetrachlorophthalic anhydride from the impurities therein by distillation, and then separating said tetrachlorophthalic anhydride therefrom in purified form.

2,547,505
PURIFICATION OF CHLOROPHTHALIC ANHYDRIDES
George W. Steahly, Maplewood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1949, Serial No. 109,820
18 Claims. (Cl. 260—341)

1. A method of purifying crude chlorophthalic anhydrides, which comprises heating a crude chlorophthalic anhydride selected from the group consisting of monochlorophthalic anhydride, dichlorophthalic anhydride, trichlorophthalic anhydride and mixtures thereof, in the presence of an alkaline salt of an alkali metal at a temperature in the range of from about 180° C. to about 240° C. for a period of time sufficient to permit separation of said chlorophthalic anhydride from the impurities therein by distillation, and then separating said chlorophthalic anhydride therefrom in purified form.

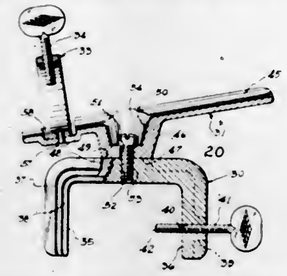
2,547,506
RESISTOR
Lester L. Stoffel, Lakewood, Ohio, assignor to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1949, Serial No. 78,959
1 Claim. (Cl. 201—75)



A resistor comprising a body of carbonaceous material and of circular annular formation with parallel top and bottom faces, and a pair of metallic conductors substantially parallel with each other leading from diametrically opposite regions of the same face of the annulus, each conductor entering the annular body at substantially the mid-region of a radial section thereof and extending well into the body and being diverted laterally within the body to be firmly embedded therein thereby interlocking said conductors with said resistor body.

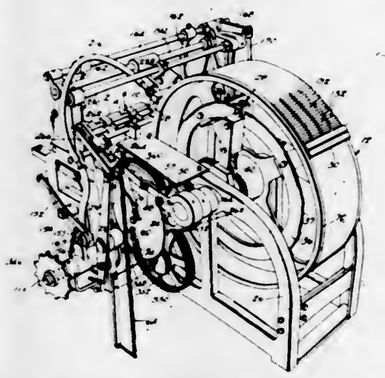
2,547,507
FISHING ROD GUIDE
Albert M. Sucksdorf, Chicago, Ill.
Application December 11, 1946, Serial No. 715,584
4 Claims. (Cl. 248—42)

1. The combination with an angularly disposed arcuately shaped rod carrier adapted to be mounted on a support and formed of a single casting with a hub portion extending downwardly therefrom and having a cavity extending substantially into said hub portion and opening into the arcuately shaped rod carrier, said cavity being provided with a central through aperture, of a non-compressible ring member fixedly secured to said carrier rearwardly of said cavity and of a substantially larger diameter than the rod in order to receive end portions of same in



spaced encircling relationship, adjustable wing nut means carried by said ring and having portions adapted to engage end portions of the rod to securely hold the same in position, and adjustable pivot means in said cavity and extending through said aperture into said support and arranged selectively respectively to hold said carrier in an adjusted position and to permit said carrier to swivel in a horizontal plane about the axis of said pivot means.

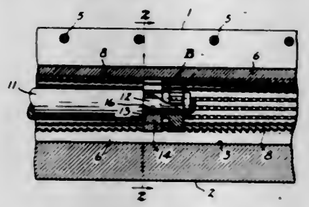
2,547,508
TICKET PASTING MACHINE
Herbert G. Tellfors, Chicago, Ill., assignor to Clybourne Machine Corporation, Cook County, Ill., a corporation of Illinois
Application March 8, 1947, Serial No. 733,304
9 Claims. (Cl. 216—9)



1. In a pasting machine a frame, a sucker head movably supported thereby, a ticket support mounted on said frame, a backing element mounted on said frame in spaced relationship to said ticket support, means for moving said head on its advance stroke to said backing element and for moving said head on its return stroke to said ticket support, a vacuum line connected to said head and comprising valve means adapted in open position thereof to open said line to communication with said head, said valve means being adapted in closed position

thereof to open said head to atmospheric pressure, operating means for said valve means for opening said valve means as said head reaches its return position and for closing said valve means in advanced position of said head prior to the return stroke thereof, means for applying adhesive to a ticket carried by said head from said ticket support to said backing element, clamp means carried by the frame for clamping the ticket against said backing element, and operating means for said clamp means for actuating said clamp means when said head reaches its advanced position and for releasing said clamp means after said head has moved on its return stroke from said backing element.

2,547,509
INTERNAL BROACH WITH WORK GUIDING MEANS
Ralph N. Tozer, Detroit, Mich., assignor to Shatterproof Glass Corporation, Detroit, Mich., a corporation of Delaware
Application February 13, 1948, Serial No. 8,175
4 Claims. (Cl. 90—33)



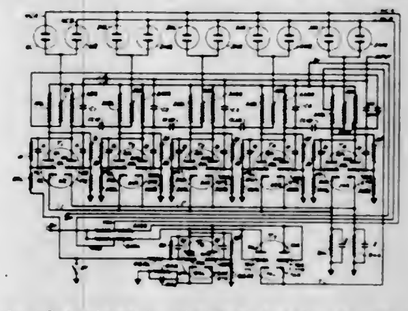
1. In a broaching machine, an internal broach provided with angularly spaced axially extending rows of cutting teeth and axially extending guide surfaces between said rows of teeth, and a work spindle having a work receiving portion provided with a work locating and guiding member that has angularly spaced radial projections that slidably engage said guide surfaces and that have spaces between them that are wider and deeper than the said cutter teeth.

2,547,510
COMPOSITION AND PROCESS FOR ELECTROLYTIC CLEANING OF METALS
Hugh G. Webster, Detroit, Mich., assignor to J. H. Shoemaker, Detroit, Mich.
No Drawing. Application January 8, 1949, Serial No. 69,988
5 Claims. (Cl. 204—145)

1. For electrolytically cleaning metal, a composition comprising 75 to 90 percent by weight of caustic alkali, 7 to 13 percent by weight of sodium chloride, 0.5 to 5 percent by weight of sodium aluminate and 0.5 to 10 percent by weight of alkali cyanide.

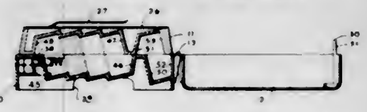
2,547,511
ELECTRICAL APPARATUS
Richard Weissman, Chicago, Ill., assignor to Nuclear Instrument and Chemical Corporation, Chicago, Ill., a corporation of Illinois
Application September 22, 1948, Serial No. 50,591
3 Claims. (Cl. 235—92)

1. A counting circuit comprising n cascaded vacuum tube stages, each stage comprising left and right tube units forming a pair of vacuum tube units, each unit having at least a cathode, control grid and anode, the grids and anodes of a stage being cross-connected by resistors shunted by condensers, a grounded resistor for each control grid, a grounded bias resistor common to all left cathodes, a grounded bias resistor common to all right cathodes, the left bias resistor being substantially $n-1$ times the right bias resistor and each bias resistor being shunted by a by-pass condenser, load resistors for each anode going to a common terminal for connection to a grounded source of high potential, an interstage condenser directly coupling the right



anode of a stage to the left anode of the next succeeding stage, a coupling condenser from a common input line directly to each right anode, the cross-connections for each stage permitting only one tube unit of a stage to be conducting at any one time and the bias resistors permitting only one left tube unit to be conducting at any one time to provide an odd stage condition whereby a negative trigger pulse at the input line will result in successive stages being in an odd condition.

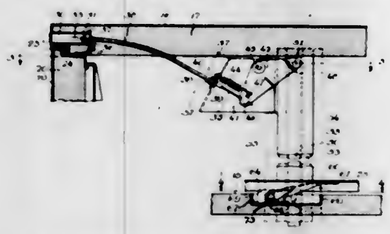
2,547,512
CASHBOX
William H. Whitcomb, Portland, Oreg.
Application September 2, 1947, Serial No. 771,589
10 Claims. (Cl. 206—.83)



10. A coin box comprising a first tray having a plurality of upwardly facing, substantially parallel grooves therein, each of certain of said grooves being formed to present a succession of semicylindrical steps whose axes are substantially parallel and inclined at an acute angle with respect to the plane of the tray, one end wall of each groove being substantially normal to said axes, and the opposing end wall being disposed in a plane forming a divergent angle with the plane of said one end wall, an upper tray hingedly connected to an edge of said lower tray normal to said grooves and having a plurality of complementary grooves formed therein, each of certain of said complementary grooves being shaped to form, together with the grooves in said lower tray, a plurality of substantially cylindrical spaces each of a size snugly to embrace a group of coins, each of said complementary grooves in said upper tray having its end wall adapted to be juxtaposed to the said one end wall of the groove in the lower tray disposed at an angle divergent from a plane normal to the axes of said grooves, and its end wall adapted to be juxtaposed to the opposite end wall of the groove

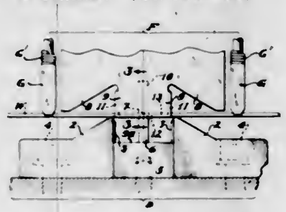
in said lower tray disposed in a plane normal to the axes of said grooves, a lid hingedly attached to said edge and adapted to enclose said upper tray, and means to latch said lid to said lower tray.

2,547,513
LOCK MECHANISM FOR INSULATED FILING CABINETS
Carl W. Wikman, Muskegon, Mich., assignor to Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application June 15, 1946, Serial No. 677,005
4 Claims. (Cl. 109—53)



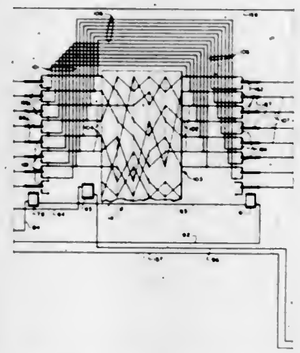
1. A fire-resisting cabinet having exterior walls including integrally molded insulating material defining an interior compartment with a framed opening, an insulated closure for said opening, a latch device for said closure recessed in the molded insulation on the interior of one of said walls and including a portion exposed to the interior of said compartment and accessible through said framed opening for connection to a latch locking means, and locking means for said latch device including a lock member recessed in the molded insulation of one of said walls and accessible from the outside of the latter, a tubular sheath permanently embedded in the molded insulation of the latter wall and extending from said lock member toward said latch device, the inner end of said sheath terminating in proximity to said exposed portion of said latch device, and a flexible wire operatively connecting said lock member to said latch device and slidably encased in said flexible wire including an end portion projecting from the inner end of said sheath and accessible through said framed opening for operative connection to the exposed portion of said latch device.

2,547,514
APPARATUS FOR MANUFACTURING BOX CONSTRUCTIONS
Glen P. Woodbury, Reading, Mass., assignor to Stapling Machines Co., Rockaway, N. J., a corporation of Delaware
Application March 3, 1947, Serial No. 731,953
8 Claims. (Cl. 140—93)



6. In a machine having instrumentalities for forming and perpetuating a bendable fastening bight at the end of a binding wire securing box parts together to form a box blank, means for severing said binding wire between adjacent box blanks and simultaneously notching the two wire ends thus formed to prepare said ends for splitting to form bifurcated prongs, said means comprising a projecting shear member having at its opposite sides along the line of said binding wire, a pair of relatively sharply convex shearing edges, and a forming member having an opening conforming to the shape of said shearing member, said two members being arranged for reciprocation relatively to each other across the line of said binding wire to move said shearing member into the opening in said forming member to sever from said binding wire a short length of loose wire, and leave V-notches in the two binding wire ends thus formed.

2,547,515
SECRECY SYSTEM
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 23, 1949, Serial No. 100,895
7 Claims. (Cl. 178—22)

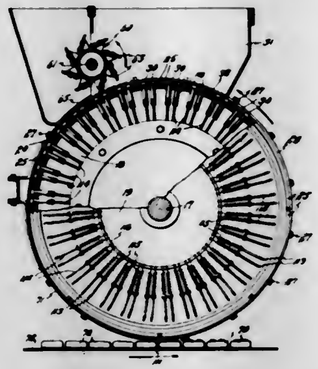


1. In a secret printing telegraph system, a line, a plurality of stations on said line, a ciphering maze at each of said stations, each ciphering maze effective for deciphering received signals in one direction therethrough and enciphering transmitted signals in the opposite direction therethrough, each of said ciphering mazes being in condition normally for deciphering received signals, means at each station operable automatically upon the transmission of a signal therefrom for causing said ciphering maze to encipher said signal, and means operable automatically upon the encipherment of said signal for transmitting the enciphered signal over said line.

2,547,516
MACHINE FOR DEPOSITING NUTS ON CANDY BARS
Louis H. Zeun, Naugatuck, Conn., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware
Application August 13, 1948, Serial No. 44,094
12 Claims. (Cl. 107—7)

1. In a machine of the character described, means for feeding a plurality of candy bars, a nut hopper having an opening in the bottom for the passage of the nuts, a rotatable drum below the hopper and above the path of travel of the candy bars, means reciprocatably mounted on said drum having a plurality of pockets for re-

ceiving the nuts from the hopper, said drum and reciprocatable means being movable beneath the hopper opening, means for reciprocating said



pocket carrying means to position a nut in each pocket, and means for holding the nuts in the pockets as the drum is rotated from receiving to discharging position above the candy bars.

2,547,517
METHOD FOR SHAVING CROWN GEARS BY ROCKING

Donald D. Austin, Sr., Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 29, 1947, Serial No. 744,677
9 Claims. (Cl. 90—1.6)

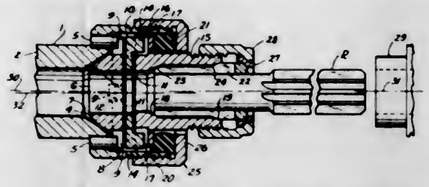


1. The method of crown shaving a gear which comprises meshing said gear with a serrated gear-like shaving cutter with their axes crossed at an angle of less than 30°, rotating said gear and cutter in mesh, and providing a relative rocking motion between said gear and cutter about a stationary axis which occupies a plane parallel to the axes of said gear and cutter in mid positions and which extends diagonally to the axis of said gear, the amplitude of such rocking motion being selected such that the trailing ends of said gear teeth reach the effective center line of said cutter at the ends of the rocking strokes.

2,547,518
FULL-FLOATING HOLDER

Milton L. Benjamin, Shaker Heights, and Franklyn E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin
Application November 30, 1949, Serial No. 130,262
12 Claims. (Cl. 279—16)

8. In a floating holder for tools and the like, the combination of a housing, a series of at least three members respectively having a universally tiltable and driving connection with said housing and having transversely movable and driving connections with each other along angularly disposed paths, an elastic member adjacent the last of said series of members, and a clamping nut movable with respect to said housing for applying pres-



sure on said elastic member and thus resiliently clamp said series of members in adjusted tilted and transverse positions with respect to said housing, the last of said series of members extending through said elastic member and having transverse clearance therewith.

2,547,519
SYNTHESIS OF PTERIDINES

James H. Boothe, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 27, 1946, Serial No. 686,716
13 Claims. (Cl. 260—251.5)

1. A method of preparing pteridines which comprises mixing together and heating within the range 80° C. to 150° C. a 2-amino-4-hydroxy-6-halomethyl pyrimido [4,5-*b*] pyrazine with a member of the group consisting of para-aminobenzoic acid and its salts, esters and amides thereof and thereafter recovering the pteridine formed.

2,547,520
CHLORO PTERIDINE AND METHOD OF PREPARING THE SAME

James H. Boothe, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application July 27, 1946, Serial No. 686,716. Divided and this application July 2, 1948, Serial No. 36,800
3 Claims. (Cl. 260—251.5)

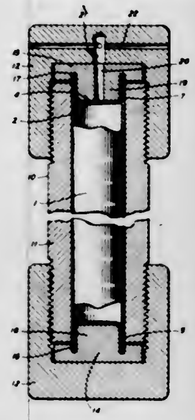
1. A method of preparing 2-amino-4-hydroxy-6-chloromethyl pteridine which comprises heating 2-amino-4-hydroxy-6-methyl pteridine with sulfuryl chloride and recovering said product therefrom.

2,547,521
PRESSURE BOMB FOR CHEMICAL AND PHYSICAL REACTIONS

Ernest Buehler, Chatham Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1948, Serial No. 68,097
2 Claims. (Cl. 23—252)

1. Apparatus, for containing a fluid in which high pressures are generated by heating, comprising an inner lining vessel, for containing said fluid, formed of a hollow cylindrical tube closed at each end by a cylindrical cup inserted in each end of the tube with the open ends of the cups facing outwardly and with the peripheral edges of the cups flush with the corresponding peripheral edges of the cylindrical tube so as to form a projecting cylindrical lip at each end,

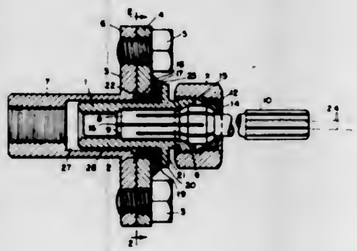
said cups being welded to said tube around said flush peripheral edges so as to seal the interior of said vessel, a pressure resistant cylindrical tube surrounding said inner vessel so as to protect it against pressure generated therein, pressure resistant caps removably fastened over the



ends of said pressure resistant cylindrical tube, and a retaining cap situated at each end of said inner vessel formed of a block having an annular recess snugly fitting over said welded edge and over a portion of said projecting lip adjacent to said welded edge.

2,547,522
FLOATING TOOLHOLDER

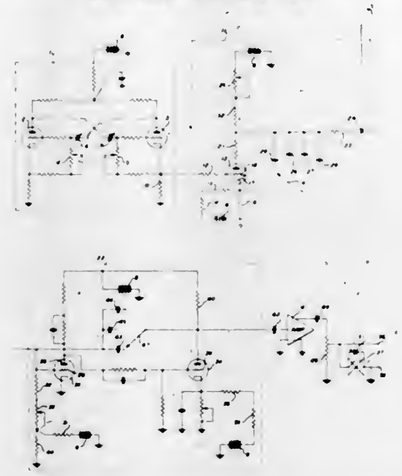
William H. Eichelman, Westlake, Ohio, assignor to Milton L. Benjamin, Shaker Heights, Ohio
Application November 13, 1947, Serial No. 785,601
9 Claims. (Cl. 279—16)



8. In a floating tool holder, the combination of shank and tool holding members loosely fitted one within the other out of contact with each other and defining therebetween an annular space comprising axially extending inner and outer walls of non-circular cross-section, said members being formed with opposed, axially spaced and radially disposed faces, and a resilient element of L-shaped radial cross-section interposed between said members and formed with an axially extending portion bonded to such walls and a radially extending portion bonded to such faces, said resilient element constituting the sole means for securing said members together and for yieldably opposing relative axial, radial, angular, and rotative movements of said members.

2,547,523
ELECTRONIC PULSE GENERATOR

William F. Eicher, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 30, 1947, Serial No. 783,127
2 Claims. (Cl. 250—36)



1. An electronic pulse generator comprising a free-running multivibrator, a relaxation oscillator normally biased to cut-off but intermittently operated by the output of the multivibrator, a start-stop multivibrator actuated by each wave of the oscillator to produce square wave pulses therefrom, means for adjusting the duration of the square wave pulses and an output circuit including pulse polarity selecting means connected to the start-stop multivibrator.

2,547,524
KEY CONTAINER

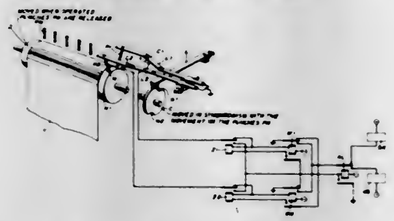
George E. Gross, Chicago, Ill.
Application April 9, 1947, Serial No. 740,389
4 Claims. (Cl. 70—456)



1. A key container comprising a housing consisting of two opposed separable housing members and means for releasably securing them together, each member having a narrow longitudinal slot in its outer side wall and a key projection slot in one of its end edge walls, a key manipulating stud for each member having an enlarged outer head overlying and slidable on the side margins of said longitudinal slot, a shank of said stud extending inwardly through said slot and having guide means thereon engaging the inner marginal surfaces of said slot, a further inward projection of said stud being adapted for entering the handle aperture of a key for propelling the same, a zigzag shaped wire spring lying in a flat plane associated with each stud and having one end anchored in said housing member adjoining said key projection slot, the other end of said spring being operatively connected with said stud under compression and held against displacement longitudinally of the

stud, and a ledge on each housing member adjoining said key projection slot slidably engageable by the shank of a key for spacing such key somewhat inwardly from the inner surface of the housing wall providing thereby clearance space for the movement of said spring.

2,547,525
RECORDER CHECKING DEVICE
Alfred E. Hague, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1948, Serial No. 55,727
4 Claims. (Cl. 177—311)



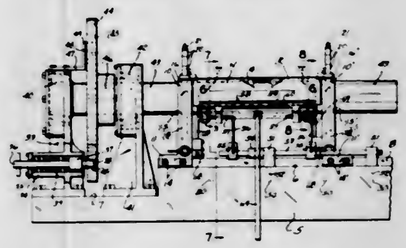
1. In a recording device, a record medium, a movable member for advancing said medium to successive recording positions, said member having a notch disposed in the surface thereof for each recording position, a pair of cam-actuated feeler pins disposed to engage said notches in succession whereby in any recording position one of said feeler pins engages the notch associated with said recording position and at the next recording position the other of said feeler pins engages the notch associated with said next recording position, a pair of electrical contacts for each of said feeler pins closable when the associated feeler pin engages one of said notches, a first pair of counting relays controlled by one of said pairs of contacts and operative in response to the engagement and subsequent disengagement of a notch by the associated feeler pin, a second pair of counting relays controlled by said other pair of contacts and similarly operative in response thereto, and means controlled by the operation of a relay in each of said pairs of counting relays for indicating the movement or failure of movement of said medium from one recording position to the next recording position.

2,547,526
LIQUID LEVEL INDICATOR
Robert C. Hilliard, Beverly Farms, Mass.
Application January 13, 1948, Serial No. 2,090
2 Claims. (Cl. 177—311)



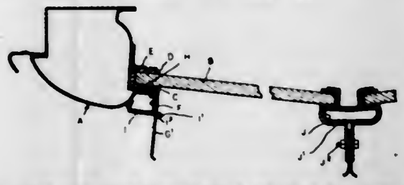
1. A liquid level indicator for a tank comprising a pressure-responsive bellows to be received in the tank to be compressed under the hydrostatic pressure due to a filled tank, a fixed contact member within the bellows, a movable contact member carried by the bellows and adapted to engage the fixed contact member upon compression of the bellows by hydrostatic pressure, a magnet surrounding the contacts and operable when energized to close the contacts when the tank is not filled, a relay operable by closure of the contacts, a signal device operated by the relay, and a test switch for closing a circuit to the magnet.

2,547,527
PHOTOCOMPOSING MACHINE
Theodore Hommel, Normandy, Mo., assignor to Universal Match Corporation, St. Louis, Mo., a corporation of Delaware
Application May 8, 1946, Serial No. 668,178
8 Claims. (Cl. 95—76)



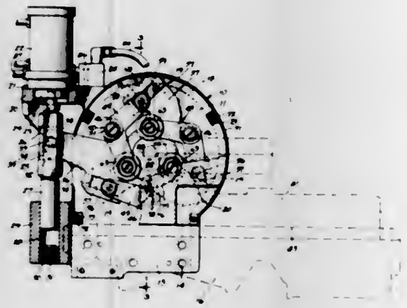
1. A photo-composing machine for stepping up a film negative upon a photo-sensitized printing roller comprising a frame having spaced parallel bearings, a mandrel rotatably mounted upon and extending through said bearings for concentrically receiving and supporting said roller, means associated with said mandrel for optionally holding said mandrel in any one of a series of selected positions of rotation, rings mounted on the mandrel for endwise engagement with the roller, said rings having a plurality of suction ports, means for holding a film negative over the mandrel so that the center line of the negative is disposed accurately in spaced parallel relation to the center line of the mandrel and the end margins project over the rings, longitudinally extending suction members for releasably holding the longitudinal margins of the film negative in closely conformed overlying relationship upon the roller, and means for drawing air from between the negative and roller by suction exertion through the suction ports of the rings and through the suction members.

2,547,528
WINDSHIELD VISOR
Richard W. Lewis, Walled Lake, Mich.
Application October 21, 1947, Serial No. 781,170
2 Claims. (Cl. 296—95)



1. The combination with a vehicle window having a glass and a seat for a marginal portion thereof and a marginal frame for the glass, of a visor extending across a portion of the glass to the meeting line between the same and said seat, said visor being open front and rear for free flow of air therethrough attachment means for said visor including a tongue secured to the latter to project outward therefrom and sufficiently thin to be inserted between said glass and seat, and a clamp engaging said frame for holding said tongue in its inserted position.

2,547,529
FOLLOW REST FOR LATHES
Edward N. Lichtenberg, Claymont Heights, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 14, 1949, Serial No. 87,404
6 Claims. (Cl. 51—238)



1. In a follow rest for machines for turning, grinding, or the like, a body member adapted for attachment to the tool-carrying carriage of the machine having an opening arranged for passage of the work, a plurality of equally spaced circumferentially arranged work engaging pressure rolls movably mounted on said body member having their turning centers coincident to an inscribed circle concentric to the turning center of the machine, a self-aligning bearing supporting each of said rolls for limited tilting movement, roll actuating means for simultaneously and equally imparting work engaging or disengaging movement to said rolls, and pressure means for urging said roll actuating means in work engaging direction.

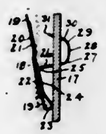
2,547,530
GARMENT STORAGE BAG
Jonah Mehl, Cincinnati, Ohio, assignor to Sydney-Thomas Corporation, Cincinnati, Ohio, a corporation of Ohio
Application April 23, 1948, Serial No. 22,821
1 Claim. (Cl. 206—7)

A garment storage bag comprising front and back portions of relatively thin material of substantial length, said portions being joined along their opposite side edges and open throughout the width of their bottom ends, the top edges of said front and back portions being closed in from the sides to spaced points near the center of said top edges to form a hanger opening in the top central portion of the bag, an expansible neck portion formed by the upper margins of said front and back portions between said spaced points and around the hanger opening, a hem portion formed on the bottom margin of one of the front and back portions, and a ductile metal bar enclosed entirely within the hem portion and extending across the entire width of the bag to hold the bottom end of the bag extended widthwise and permitting said bottom end to be sealed by rolling it upon the bar and securing it in sealed



rolled condition by having the opposite ends of the bar retroverted.

2,547,531
SPRING CLIP FOR DISPLAY RACKS
Francis F. Melvin and Joe O. Stevens, Elwood, Ind.; said Stevens assignor to said Melvin
Application March 16, 1948, Serial No. 15,097
4 Claims. (Cl. 24—81)

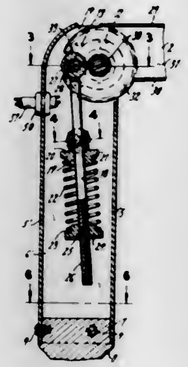


2. A clamping device for a display rack having a vertical bar comprising a generally C-shaped spring member having opposed upper and lower legs, each of said legs having an opening therethrough capable of receiving said bar with a sliding fit between front and rear edges thereof; a depending foot fixed to the outer end of said lower leg at substantially a right angle to extend downwardly to bear against said bar; a lever fixed to the lower end of the foot and extending upwardly along said foot; said lever being of greater length than said foot; the action of said spring member tending to urge the legs apart and thus grasp the bar between the front and rear edges of said openings and also to force the lower end of said lever against the bar.

2,547,532
JOINTED BRACKET
William A. Mendelsohn, Chicago, Ill., assignor to Burton Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1949, Serial No. 99,668
2 Claims. (Cl. 248—292)

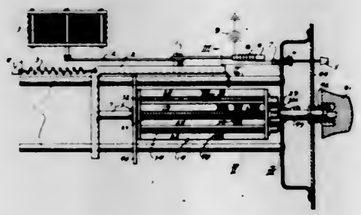
1. A jointed bracket comprising a first arm, a second arm, said arms being rectangular in cross section with the central portion hollow, joint leaves provided on one end of each of said first and second arms, bearing members engaging said joint leaves of the first and second arms for pivotally securing said arms, an elongated screw swivelly mounted in said first arm and integrally provided at its upper end with a tubular eye, spring means associated with said screw, and a

pin rotatably extending through said tubular eye and inserted at its ends in the joint leaves for



swingably connecting said screw to the joint leaves of the first and second arms.

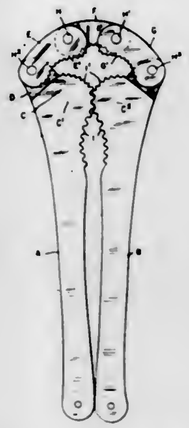
2,547,533
INDEXING DEVICE
Donald Howard Mills, Fort Wayne, Ind.
Application August 25, 1945, Serial No. 612,687
17 Claims. (Cl. 74—10.15)



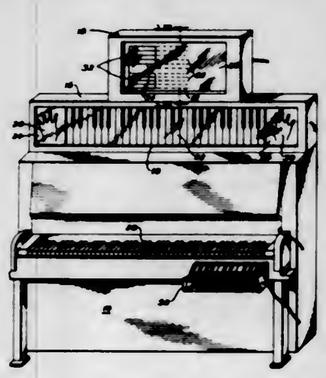
1. Mechanism for positioning a control comprising a squirrel cage element having a plurality of peripherally disposed guide plates having cam surfaces adjacent one end thereof, a reciprocable plunger disposed coaxially with respect to said squirrel cage element one of said elements being rotatable and the other being held from rotation, and said plunger having a radially directed portion adapted to slide between said guide plates and engage said cam surfaces to effect rotational movement of and angular indexing of said rotational element about said plunger axis and longitudinal travel of said radially directed portion between successive paths defined by said plates as the result of reciprocating movement of said plunger.

2,547,534
NUT AND PIPE WRENCH
Joseph Wade Oliver, Ferndale, Mich.
Application February 28, 1949, Serial No. 78,810
2 Claims. (Cl. 81—78)

1. A wrench comprising a pair of separate handle members, each having an arcuate jaw portion at one end thereof, intermeshing teeth on said arcuate jaw portions extending along portions of said handles, the teeth of the arcuate portion of one member being engageable in various positions with the teeth of the other member, and a series of pivotally connected links extending between and connected to said jaw members constituting cooperating jaws.



2,547,535
VISUAL INSTRUCTION DEVICE
Edith Howse Pierce, Detroit, Mich., and Edwin M. Schantz, Xenia, Ohio, assignors, by direct and mesne assignments, to Audiscope Corporation, a corporation of Delaware
Application March 25, 1946, Serial No. 656,884
7 Claims. (Cl. 84—478)

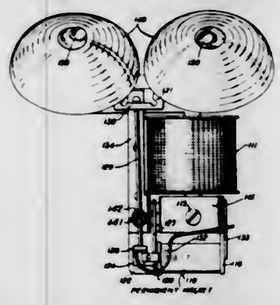


1. A music instructing device comprising, in combination, means displaying a series of musical symbols and the right and left hands, a series of control members to be manually operated, electric circuit means connecting said control members with said display means and adapted upon operation of any one member to flash a signal to any one of said musical symbols and upon any one of the digits of the hands displayed, and switch means controlling said electric circuit means and adapted to electrically connect said control members to said musical symbols to flash the same or to electrically connect the control members to said digits to flash the same.

2,547,536
FORMATION OF A SURFACE EASILY WETTABLE BY MERCURY
Charles E. Pollard, Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1948, Serial No. 32,262
8 Claims. (Cl. 148—6.35)

2. The method of treating the surface of an alloy of iron comprising forming a layer of oxide of the constituents of said alloy on said surface, reducing said layer of oxide to cause said surface to become easily wettable by mercury, and applying mercury to said surface.

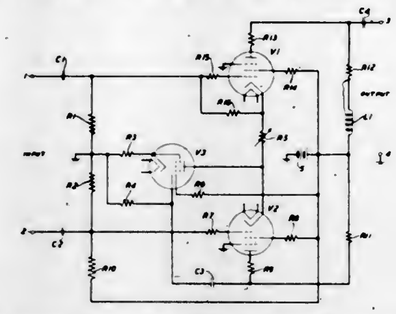
2,547,537
TELEPHONE RINGER
James R. Power, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1948, Serial No. 66,619
6 Claims. (Cl. 177—7)



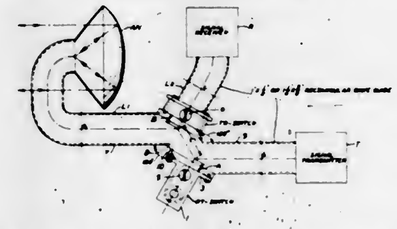
1. A telephone ringer comprising, in combination, a U-shaped laminated core, a coil mounted on one of the opposed legs of said core, a pole-piece of magnetic iron fixed to each opposed core leg near its end to effect an air-gap, a pivotally-mounted armature disposed for operation in said air-gap, and a straight bar-type permanent magnet having its polar and longitudinal axes coincident, said magnet having one end in fixed abutting relation to one of said pole-pieces and projecting therefrom in a direction such that the pivot mounting for said armature is located on the polar axis of said magnet.

2,547,538
BRIDGING AMPLIFIER
John W. Rieke, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1948, Serial No. 4,489
6 Claims. (Cl. 179—171)

1. An amplifier including first and second electronic devices, each having at least an activated cathode, an anode and a control electrode, means connecting both said control electrodes in balanced relationship, a circuit connecting both said cathodes, a third electronic device having at least an activated cathode, an anode and a control electrode, means connecting the anode of the third device to the circuit connecting the cathodes of the other two devices, means coupling the cathode of the third device to the control electrodes of the other two devices, a source of anode power having a negative pole connected to the cathode of the third device, circuits connecting the anodes of the first and second devices in balanced relationship to the positive pole of the anode source, a load coupled to the anode circuit of the first device, and a connection from the anode of the second device to the control electrode of the third device.



2,547,539
SIGNAL WAVE DUPLEXING SYSTEM
Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1946, Serial No. 679,620
7 Claims. (Cl. 250—13)



1. In combination in a signal duplexing system, a signal transmitter, a signal receiver, a common transmitting and receiving antenna, a wave guide line connecting said transmitter to said antenna, said wave guide line including two oppositely disposed 120-degree angle bends spaced from each other along the line and a switch of the resonant cavity-shunting spark gap type respectively coupled to said line at each of said bends in such manner as to form with the two wave guide line portions extending to opposite sides of the bend a symmetrical 120-degree Y type branching connection, said signal receiver being connected to said wave guide line through the resonant cavity of one of said switches.

2,547,540
POWER MOWER
Wiley T. Roberts, Liberal, Kans.
Application March 14, 1946, Serial No. 654,435
1 Claim. (Cl. 56—25.4)



In a power mower having a horizontally disposed rotatable cutter bar, a housing open at the bottom and having a closed flat top and a

generally cylindrical flange dependent therefrom, said flange having spaced parallel portions, one extending substantially radially and one extending substantially tangentially therefrom, respectively, to define a side discharge passageway, a vertical shaft rotatably supported from said housing axially thereof for mounting said cutter bar and means securing said cutter bar in position on said shaft above the plane of the lower edge of said flange.

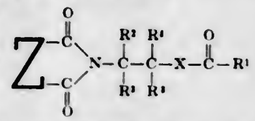
2,547,541
MARKING PEN
Sidney N. Rosenthal, New York, N. Y.
Application March 19, 1948, Serial No. 15,839
3 Claims. (Cl. 15—134)



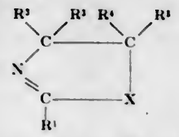
1. A marking pen comprising a smooth bore uniform diameter barrel having open ends, a felt nib closing one of said open ends, and a unitary device removably mounted on and closing the other of said open ends and comprising a barrel closure cap at the end of and outside of said barrel, an elongated uniform diameter smooth surfaced rod-like felt pack within said barrel and secured to and carried by said cap whereby the latter provides an exposed handle for said felt pack to enable the felt pack to be pulled out of or pushed into the barrel and the nib, and an elongated tube forming part of said unitary device and telescoped around and gripping said felt pack and extending along it for the major part of its length and formed with transverse openings communicating its exterior with the felt pack in it, said tube, cap, and felt pack parts of said unitary device being intersecured against relative movement so that the unitary device is mountable on or removable from the barrel as a unit, said tube laterally spacing the pack from the barrel to insure air flow along the pack in the barrel, said tube being rigid to rigidify the pack and thus facilitate insertion of the pack into the smooth bore barrel to the point where the end of the pack engages the nib and preventing the pack from buckling in the barrel during such insertion of the pack in the barrel, the felt pack being of the same diameter at the tube openings as between such openings whereby the pack is clear of the barrel at such openings, said nib being separate from the pack so as to remain in the barrel during removal of the felt pack and so as to be removable from the barrel separately from the felt pack.

2,547,542
AROMATIC IMIDO-ESTERS PRODUCTION
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 29, 1949, Serial No. 130,067
6 Claims. (Cl. 260—326)

1. A process for the preparation of β-phthalimidoethyl esters and β-naphthalimidoethyl esters of the general formula

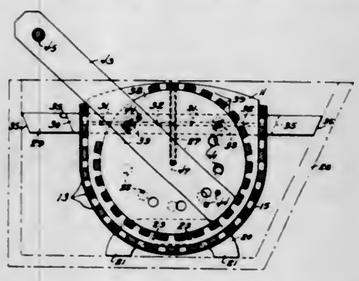


in which X represents an atom of an element from the class consisting of oxygen and sulfur; Z represents a divalent radical from the class consisting of phenylene and naphthylene radicals; the characters R^2, R^3, R^4 and R^5 represent members of the class consisting of hydrogen atoms and alkyl, aryl, alkaryl, aralkyl, and cycloalkyl groups and R^1 represents a member of the class consisting of alkyl, aryl, alkaryl, aralkyl, and cycloalkyl groups and monounsaturated and diunsaturated aliphatic hydrocarbon groups containing not more than 17 carbon atoms, which process comprises chemically reacting at a temperature of 20° C. to 300° C. equimolar amounts of (1) a member of the class consisting of phthalic and naphthalic anhydrides and (2) an azoline of the general formula



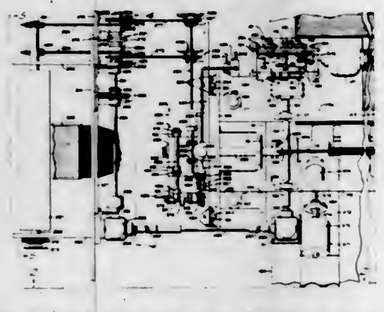
in which the characters R^1, R^2, R^3, R^4 and R^5 have the significance described above.

2,547,543
HAND-OPERATED WASHING MACHINE
Allen H. Rowlett, Washington, D. C.
Application August 6, 1948, Serial No. 42,977
3 Claims. (Cl. 68—75)



3. In a washing machine, the combination with a tub, of a container for holding clothes to be washed supported in said tub, said container comprising a pair of uprights, a plurality of slats extending between said uprights and secured to the latter, an agitator pivotally connected to said container, said agitator comprising a pair of end walls interposed between the uprights of said container, a plurality of slats extending between said end walls and secured thereto for coacting with the slats of said container to wash clothes upon pivotal movement of said agitator, stop means operatively connected to said container for maintaining the latter in an immobile position relative to said tub, said stop means comprising a pair of superposed bars adjustably connected to said uprights and mounted for longitudinal movement relative to each other, means for releasably locking said bars in adjusted position, and manually operable means operatively connected to said agitator for causing pivotal movement of the latter, the outer ends of said bars adapted to engage said tub.

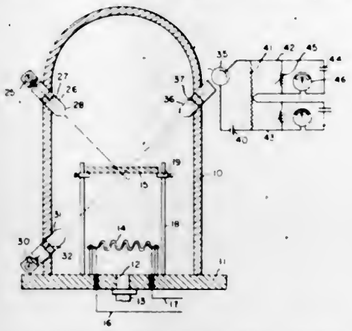
2,547,544
STRIP-FORMING AND FEEDING APPARATUS
Paul S. Smith, Carlisle, Pa., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa., a corporation of Pennsylvania
Application February 26, 1949, Serial No. 78,651
43 Claims. (Cl. 164—48)



1. In a strip-forming and feeding apparatus including a table, a carriage movable to and fro to draw a tape bundle along said table and table jaws automatically operable to clamp and release the end of a tape bundle resting on said table, means for feeding a tape bundle to said table comprising the combination of a reel stand at one end of the table including a pair of horizontal mandrels, on each of which a plurality of coils of tape are mounted side by side for rotation about a horizontal axis; a projection device mounted adjacent said end of the table and having means for receiving two tape bundles therein; means for gathering and condensing the tapes from each set of coils into a separate tape bundle, in which the tapes have their width vertically disposed, for reception by said projection device; and means for shifting said projection device vertically for bringing one or the other of said tape bundles into operative relationship to said table.

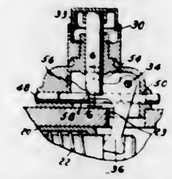
2,547,545
MEANS FOR MEASURING THE OPTICAL PROPERTIES OF FILMS
John Donovan Strong, Baltimore, Md., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 24, 1947, Serial No. 793,665
2 Claims. (Cl. 88—14)

1. Means for determining the light transmission-reflection properties of an optical film during its deposition by thermal evaporation in a vacuum, while avoiding errors or the necessity for correction due to general illumination or light emitted from the filament employed in evaporation, which comprises a vacuum bell, a support in said bell for carrying a transparent plate to be provided with a film, a first light source of a first definite frequency to which an electric circuit may be tuned to resonance, means at one side of the plate carried by said support and beyond an edge of the plate for directing a beam of light from said first source obliquely against one surface of the film, a second light source of a second definite frequency different from the frequency of said first source but also of a frequency to which an electric circuit may be tuned to resonance, said two definite frequencies being different from the frequency of current employed in general illumination or in the filament, means at the other side of the plate carried by said



support and beyond the same edge of the plate for directing a beam of light from said second source obliquely against the other surface of the film, said sources being positioned such that light transmitted through the film from one source is coincident with light reflected by the film from the other source, a photo-electric cell at the said other side of the support and beyond the opposite edge of the plate in position to receive said reflected and transmitted light, separate individually tuned circuits connected to said cell, and a current responsive means in each of said tuned circuits.

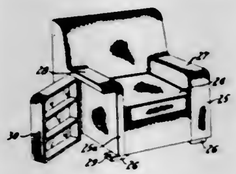
2,547,546
DOOR LOCK MECHANISM
Edward I. Stulpin and Walter R. Hajdyla, Detroit, Mich.
Application August 3, 1949, Serial No. 108,377
2 Claims. (Cl. 292—166)



1. Lock mechanism comprising, in combination, a latch bolt, a spring acting upon the bolt holding it normally projected, a plunger, a swingably supported bellcrank lever having one arm coupled with the bolt and the other arm disposed in proximity to the plunger to be actuated thereby to swing the lever to actuate the bolt counter to the action of said spring and a lock pin supported for reciprocation parallel to the plunger actuated arm of the lever, said pin having a part adapted in one position of reciprocation of the pin to engage said arm of the lever and hold the lever against swingable movement, said pin adapted in the opposite position of reciprocation to release the lever for swingable movement, said

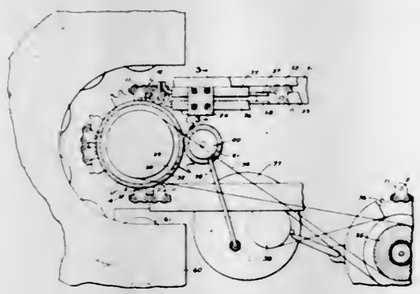
plunger so shaped as to provide a part which initially engages the lock pin to retract it before the plunger engages the bellcrank lever.

2,547,547
COMBINED CHAIR AND CABINET
Germaine Tatar, Detroit, Mich.
Application October 7, 1948, Serial No. 53,299
2 Claims. (Cl. 155—188)



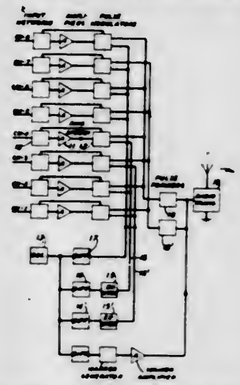
1. A chair of the kind described, said chair including a base, two vertical side members mounted thereon in a spaced relation to each other, a seat between said side members, a rear member forming a backrest above the level of the seat, the top portions of the side members forming armrests, one of said side members having on the side remote from the seat a recess under the armrest, said recess extending downwardly towards the base, an open-front cabinet hinged to the rear member adjoining said recessed portion, the cabinet being adapted to be swung into the recess, its open-front facing said recess, and to form a part of the side member to conform with the appearance of the other side member.

2,547,548
AMMUNITION LUBRICATION
John R. Turner, Stratford, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 7, 1948, Serial No. 1,024
3 Claims. (Cl. 86—19)



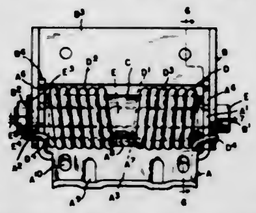
1. Apparatus for the continuous lubrication of the bullets of loaded cartridges, comprising a continuously moving conveyor for such cartridges, a pair of elongated electrodes adjacent a reach of such conveyor and on opposite sides of the bullets of a line of cartridges therein, and means adjacent one end of said electrodes for applying a liquid lubricant to the bullets of cartridges emerging from the passage between said electrodes.

2,547,549
RINGING EQUIPMENT FOR PULSE MODULATION SYSTEMS
Gerard P. Wennemer, Fairmount, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1947, Serial No. 777,455
5 Claims. (Cl. 179—15)



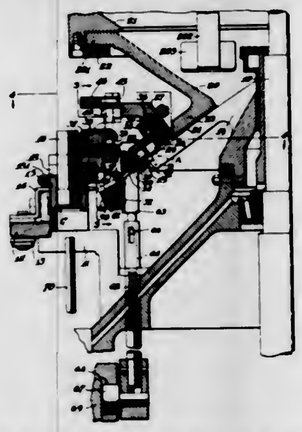
1. In a pulse modulation system, means at the transmitter for producing a series of pulses, means for modulating the relative time positions of the pulses of said series in accordance with a signal to be sent to a receiving station, means at the receiver for producing a local pulse of length equal to the maximum range of position variation produced by the modulation of pulses of said series at the transmitter, means at the receiver for producing a supervisory signal unless the time-modulated pulses from the transmitter coincide in time with said local pulses, auxiliary means at the transmitter for shifting time positions of the signal pulses to positions beyond the maximum displacement produced by signal modulation, and means for operating said auxiliary means whenever a supervisory signal is desired.

2,547,550
HINGE CONSTRUCTION
Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application September 29, 1947, Serial No. 776,748
4 Claims. (Cl. 16—189)



1. A hinge comprising a pair of pressed sheet metal members each having a pair of parallel apertured ears projecting out of opposite sides thereof, the ears of one member embracing those of the other, a pin extending through the apertures in said ears to form a pivotal connection therebetween, a tube surrounding said pin and abutting against the ears of the inner pair, means cooperating with said pin to obtain a predetermined clamping and friction between said pairs of ears, and a coil spring sleeved on said tube having spaced portions anchored to the respective members.

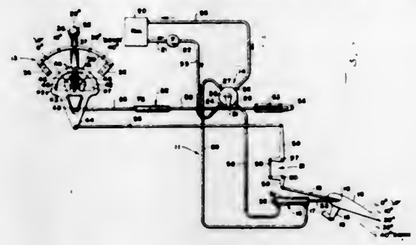
2,547,551
ARTICLE FEED DEVICE
Kenneth J. Yost and Warren S. Reynolds, Westport, and John R. Turner, Stratford, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 31, 1947, Serial No. 794,832
12 Claims. (Cl. 198—26)



1. Apparatus for the delivery of a successsion of articles in a predetermined orientation comprising a trackway, means for arranging a row of articles in said trackway in a desired orientation, article transfer means adapted when in one position to receive articles one at a time from the exit end of said trackway, said article transfer means being movable from said article receiving position to an article delivery position, and gripper means actuated upon displacement of said transfer means from article receiving position to press an article in said trackway into gripping engagement with a portion thereof and thereby retain articles in said trackway during such displacement, the end portion of said trackway being downwardly offset from the main portion thereof, whereby the foremost article in said trackway is held in a plane displaced from the plane of other articles therein.

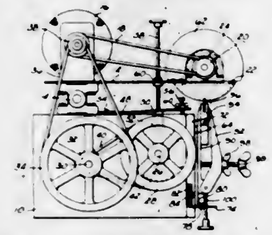
2,547,552
AUTOMATIC HYDRAULIC-MECHANICAL FOLLOW-UP CONTROL SYSTEM
John P. Anderson, Fernwood, Calif., assignor to North American Aviation, Inc.
Application May 11, 1948, Serial No. 26,353
11 Claims. (Cl. 121—41)

1. A remote control system comprising a controlled member movably mounted upon a supporting structure, a source of fluid pressure, a hydraulic motor operatively connected to said controlled member, a spring-biased valve, conduit means connecting said source of fluid pressure to said valve and to said hydraulic motor, manual control mechanism including a pivotally mounted notched element operatively connected to said controlled member, a pivotally mounted ratchet element operatively connected to said valve, and manually-actuatable pawl means alternately engageable with said ratchet element and said notched element arranged for its automatic release from said ratchet element and its engagement with said notched element to permit said



valve to return to its initial position under the influence of said spring-biasing for stopping said hydraulic motor at a predetermined position.

2,547,553
SAW GRINDING MECHANISM
Silvio R. Battocchi, Hartford, Conn.
Application April 1, 1949, Serial No. 84,927
4 Claims. (Cl. 76—40)

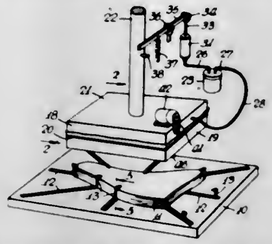


1. A saw filing machine comprising in combination, a support having a pair of normally vertical and angularly related surfaces thereon meeting along a vertical apex line, a member pivotally connected at one end to the upper portion of said support, a motor and grinding wheel carried by said pivoted member, said grinding wheel being normally operable in a vertical plane and driven by said motor, a saw guide plate adjustably mounted relative to said support against said apex line thereon and having an elongated saw blade guide parallel to said plate, said guide being adjustable about said vertical line and also about a horizontal axis to vary the position of said guide in said plate relative to the plane of said grinding wheel, means to clamp said guide plate in adjusted position against said vertical apex line, feeding means engageable with the teeth of said saw and operable to periodically advance the saw within said blade guide for grinding by said wheel, and wheel elevating means automatically operable in relation to the saw feeding means to raise the free end of the pivoted member which supports the wheel as the feeding means advances the saw within said blade guide relative to said wheel.

2,547,554
APPARATUS FOR APPLYING LINEAR DESIGNS TO WORK SURFACES
Abraham Beckelman, New York, N. Y.
Application March 16, 1946, Serial No. 654,929
12 Claims. (Cl. 101—114)

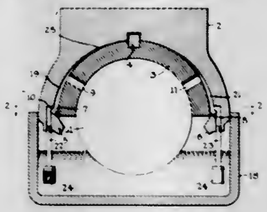
4. An apparatus for applying a linear design to a work surface, comprising a pattern sheet adapted to be brought into contact with said work sur-

face and provided with perforations defining said design, a supporting frame for said sheet, including a rearwardly extending peripheral wall defining a chamber behind said sheet, means for



supplying a charge of marking substance into said chamber and distributing it horizontally over said sheet, and means within said chamber for pushing said substance through said perforations.

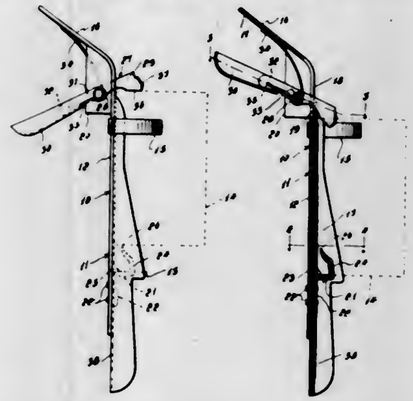
2,547,555
JOURNAL BEARING
Joel R. Belknap, South Charleston, W. Va.
Application November 5, 1948, Serial No. 58,479
3 Claims. (Cl. 308—79)



1. The combination of a journal; a brass with respect to which said journal is rotatable, said brass being sustained by said journal and having a load-sustaining surface on its top and extensions at each side of said surface, said extensions being formed with ports leading through the brass to the journal-engaging face of the brass; a load-supporting member having a mid-portion which rests upon said load-sustaining surface and as to which the brass may rock, said member having extensions at each side of said mid-portion which diverge from the extensions of the brass, the extensions of the brass and of the load-sustaining member having marginal conjugate surfaces which seal with each other when the brass rocks relatively to the load-sustaining member; sealing means which together with said conjugate surfaces define closed spaces whose volume varies during such rocking motion and from which spaces said ports lead; means restricting the rocking motion of the brass to a limited range; an oil reservoir; and valved connections permitting one-way flow from the reservoir to each of said closed spaces.

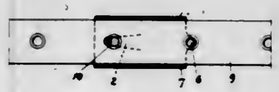
2,547,556
PUNCTURING AND DISPENSING DEVICE FOR OIL CANS
James E. Benigar, Tulsa, Okla.
Substituted for application Serial No. 349,075, August 1, 1940. This application May 28, 1947, Serial No. 751,099
3 Claims. (Cl. 222—83)

3. An opening and dispensing device for cans comprising an elongated frame, means for detachably mounting a can in the frame for longitudinal sliding movement relatively thereto, fixed piercing means secured to the frame and engaging one end of the can, and a manually actuated lever pivotally mounted on the frame having an unsharpened edge disposed to initially



engage the opposite end of the can for moving the can in the frame to cause the piercing means to initially pierce the first mentioned can end when the lever is swung in one direction, said lever having a sharpened end disposed to thereafter engage and pierce the last mentiond can end.

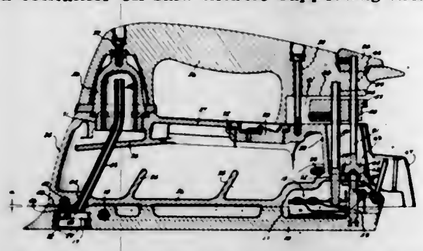
2,547,557
BUCKLE
Bo Björkström, Varberg, Sweden
Application March 5, 1946, Serial No. 651,998
In Sweden August 23, 1945
5 Claims. (Cl. 24—201)



2. A buckle comprising in combination a buckle member composed of a substantially rigid plate having an outer and an inner substantially flat face and two flanges along opposite edges of said rigid plate projecting inwardly beyond said inner flat face of said buckle member; securing means on said outer flat face of said plate for securing the same to a support with said outer face superimposed upon said support; a first substantially rigid tongue on said plate projecting inwardly from the inner face of said plate; and a second substantially resilient tongue on said plate projecting also inwardly from said inner face thereof and being substantially longer than said first substantially rigid tongue, said two tongues being arranged spaced from each other and pointing outwardly in opposite directions from each other.

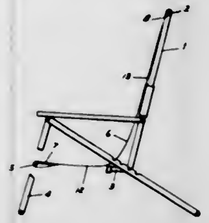
2,547,558
STEAM GENERATING ELECTRIC IRON
Harry E. Bremer, Milwaukee, Wis.
Application September 22, 1947, Serial No. 775,534
12 Claims. (Cl. 38—77)

1. In a steam iron having a sole plate provided with a source of heat therein and having a container for water provided with a bottom positioned over said sole plate, means for tiltably supporting said container on said sole plate, and manually operable means for causing tilting of said container on said tiltable supporting means



to vary the heat transfer relationship between at least a portion of the bottom of said water container and said source of heat in the sole plate, and means for conducting steam from said water container to the bottom of said sole plate.

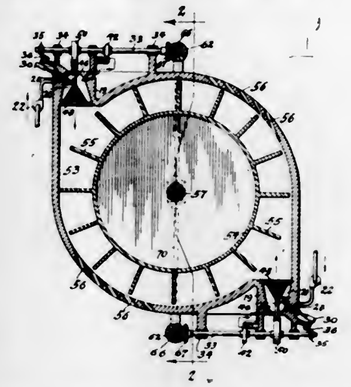
2,547,559
SEAT FRAME MEMBER FOR FLEXIBLE SEATED CHAIRS
George C. Briggs, Erie, Pa.
Application February 10, 1947, Serial No. 727,682
3 Claims. (Cl. 155—119)



1. In combination with a chair having a front cross bar, and a flexible seating member, means to support the rear end of the seating member, said seating member having a looped portion surrounding said cross bar, an arcuate shaped leg rest member disposed in said looped portion and extending rearwardly of said cross-bar, said leg rest member having the forward end thereof turned in circular form for pivotal connection to said cross bar.

2,547,560
CUP-SHAPED VALVE CLOSURE FOR COMBUSTION CHAMBERS
Jacob Brodzinsky, Buffalo, N. Y.
Application May 24, 1947, Serial No. 750,233
5 Claims. (Cl. 60—44)

5. An engine, comprising a chamber in which expansion takes place, means feeding an expansible fluid charge into said chamber, said chamber having a closed outer side wall, a closed outer end wall and having its end opposite said outer end wall adapted to be opened and closed, a cup-shaped dome arranged in said chamber and having its rim secured to said opposite end thereof and having a plurality of openings, a cap fitted against said dome and having a plurality of openings adapted to be brought into and out of register with said dome, and means for moving said cap relative to said dome to bring the openings thereof out of register to form an impervious cup-shaped closure and to bring the openings thereof into register to render said cup-shaped closure pervious, said cup-shaped closure being shaped to form a concavity in the corresponding side of said fluid charge which extends toward



the center of said charge and said concavity being of sufficient depth and its walls of such spacing as to focus the lines of force on expansion of the fluid charge through said pervious cup-shaped closure into said concavity to project a beam-like jet from said concavity.

2,547,561
GARMENT HANGER
Norman Edward Brooke, Washington, D. C.
Application March 25, 1947, Serial No. 737,185
2 Claims. (Cl. 223—91)

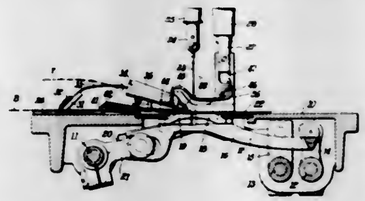


1. A garment hanger comprising a long one piece body having a top surface, a suspension means connected with the two ends of said body, and a relative long arm member of resilient material having a portion at one end turned back to provide a spring bow, the outer end of the spring bow being secured to the adjacent end of the long body, said spring bow being interposed between the said end of the long body and an adjacent portion of the suspension means, said arm being continued from the bowed end longitudinally of said long body to and contacting the top surface of said long body substantially midway between the ends thereof.

2,547,562
WORK-GUIDING ATTACHMENT FOR SEWING MACHINES
Fredric W. Breul, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 12, 1948, Serial No. 59,676
4 Claims. (Cl. 112—147)

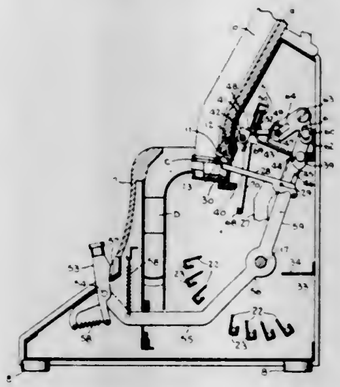
1. A work-guiding attachment adapted for use on a sewing machine having a presser-foot

and a differeneial feed provided with first and second feed-dogs, comprising a guide for directing the margin of a top ply of material between said presser-foot and said first feed-dog, a second guide disposed to direct the margin of a bottom ply of material beneath the margin of said top ply of material and over said first and second feed-dogs, a flexible ply-engaging member



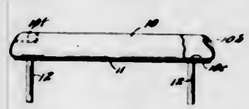
carried by said second guide and spaced above said second feed-dog, and a yieldable member attached to said presser-foot which, when the presser-foot is lowered, is adapted to bear on said ply-separating member and depress it to a position in which it forces the bottom ply of material into contact with said second feed-dog.

2,547,563
COIN HANDLING MACHINE
Arnold R. Buchholz, William H. Sprenger, and Otis E. Hoffman, Watertown, Wis., assignors to Brandt Automatic Cashier Company, Watertown, Wis., a corporation of Wisconsin
Application October 31, 1946, Serial No. 706,834
1 Claim. (Cl. 133—5)



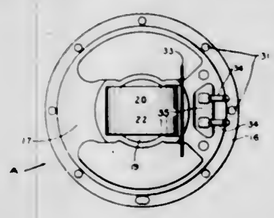
In a coin handling machine, the combination of a plurality of coin receptacles, a movable coin ejector for each receptacle for pushing the lowermost coin or coins in its associated receptacle from the same, a pivoted operating lever for each ejector to reciprocate the same, key controlled means for operating said levers, a keyboard for said keys means for locking said levers against actuation in case the coins in any one of the coin receptacles becomes substantially depleted including a coin engaging finger and a locking lever associated with said finger and movable into locked engagement with its associated operating lever, a single pivotally mounted lock release key operable from said keyboard, a single swinging bar adapted to engage all of said locking levers, lever means connecting said bar with said lock release key to move the same to a locking lever release position on the operation of said key, a pivoted latch engageable with said bar to hold it in its lever releasing position, and a latch release bar operatively connected to said latch and engageable by any one of said operating levers to release said latch on the single subsequent movement of any one of said operating levers by said key controlled means.

2,547,564
DEVICE FOR USE IN BATHING INFANTS
Arthur J. Burke, Minneapolis, Minn.
Application February 28, 1949, Serial No. 78,853
4 Claims. (Cl. 4—185)



1. A bathing apparatus for infants having in combination, a shallow receptacle having substantially flat bottom portions adapted to rest on a bathtub, said receptacle having a multiplicity of perforations in its bottom, pairs of legs secured to the bottom of said receptacle adjacent the ends thereof, the legs of each pair being spaced transversely of said receptacle and being adapted to extend downwardly in said tub at the side walls thereof and prevent movement of said receptacle transversely of said tub when resting on the top of said tub, said legs also being adapted to rest on the bottom of said tub and support the receptacle in said tub.

2,547,565
SPEAKER HAVING A TUBULAR POT
Donald C. Carlson, St. Paul, Minn., assignor to Wright Zimmerman, Inc., New Brighton, Minn., a corporation of Minnesota
Application September 26, 1946, Serial No. 699,380
2 Claims. (Cl. 179—115.5)

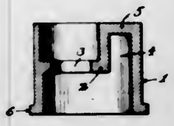


1. A speaker including a speaker pot, said speaker pot comprising a short length of seamless tubing having a pair of substantially parallel side portions and integral arcuate curved ends connecting the same, a magnet secured to one of said flat sides and extending toward the other, said magnet having a diameter slightly shorter than said parallel flat side portions, an aperture in the other of said sides in opposed relation to said magnet, a pole piece secured to said magnet and extending into said aperture in spaced relation to the walls thereof, and a hollow cylindrical gasket between said magnet and said other side wall.

2,547,566
PRODUCTION OF UNFERMENTED BREAD
Wallace P. Cohoe, New York, N. Y.
Application August 4, 1948, Serial No. 42,497
6 Claims. (Cl. 99—90)

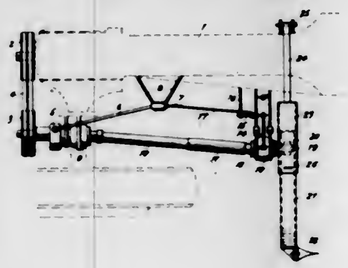
1. The method of preparing unfermented bread which comprises mixing flour and a liquid in proportions adapted to form a dough, adding granulated solid carbon dioxide to the dough, working the dough to develop the elastomeric properties of the gliadin of the flour and to disperse the solid particles of carbon dioxide into the mass of the dough, withdrawing the dough, and baking it.

2,547,567
SOIL PIPE REDUCER
William J. Collison, Pasadena, Calif., assignor of one-half to Marian L. Collison, Bakersfield, Calif.
Application October 12, 1949, Serial No. 120,989
1 Claim. (Cl. 285—183)



As a new article of manufacture, a single piece soil pipe reducer, comprising a primary cylinder of the same thickness throughout its length, an auxiliary cylinder in said primary cylinder and integral throughout its height at one side with said primary cylinder, said primary cylinder provided with a deep socket at one side of said auxiliary cylinder, said primary cylinder provided only at its top with a flat, solid portion closing the inner end of said deep socket and conforming to the shape of said deep socket, and an integral bead on the lower end of said primary cylinder.

2,547,568
OFFSET TILLER OPERATED BY TRACTOR POWER TAKE-OFF
Charles Clifford DeWitt, Fruitland P. O., Ontario, Canada
Application September 19, 1946, Serial No. 697,843
In Canada September 22, 1945
1 Claim. (Cl. 97—137)



A tiller attachment for a tractor which is provided with a power take-off comprising a clutch connected to the said power take-off of the tractor by means of pulleys and belts, in combination with a universal coupling attached to the said clutch, a shaft attached to the said universal coupling at one end thereof, and the other end of said shaft being attached to a second universal coupling from which extends a comparatively short shaft bearing a pinion, a tiller arm at rightangles to said shaft engaging said pinion for reciprocatory purposes when said tiller attachment is either at rest or in motion, a guide bracket which freely supports and guides said tiller arm, said bracket being pivotally attached to the tractor, means for attaching standard cultivating tools to the tiller arm, a combined control for said clutch and pinion comprising a clutch lever attached to a pivoted bracket, a clutch rod connecting said bracket with the clutch, a rod pivotally connected to said clutch bracket, the opposite end of which is pivotally connected to an intermediate plate, an intermediate plate as mentioned above which is pivoted on a pin rigidly attached to the tractor and rotatably connected by means of a link to the secondly-named universal coupling, and said intermediate plate and its related pivots so arranged that the throwing of the clutch into rotation in any direction automatically engages the said pinion with the said tiller arm to cause said tiller arm to travel either to or away from the said tractor.

2,547,569
TAPE DISPENSER
Oscar P. Erhardt, Derby, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application September 4, 1948, Serial No. 47,891
9 Claims. (Cl. 206—52)



6. A Scotch-tape dispenser comprising a container composed of two nesting sections each having a flange, means connecting said sections for relative rotating movements with the flange of one part lying within the flange of the other, supporting means within the container for rotatably holding a roll of tape, the inner flange having an opening therein to permit the tape to pass therethrough, a tape-end support adjacent said opening, the outer flange having a part displaced upwardly to provide a severing member and being movable with its supporting section to positions to cover and uncover said opening and tape-end support, and a spring normally urging said sections to one of said positions.

2,547,570
WALKING HEEL
Joe J. Ettinger, Warsaw, Ind., assignor to Zimmer Manufacturing Company, Warsaw, Ind.
Application May 19, 1950, Serial No. 162,970
2 Claims. (Cl. 128—94.5)



1. In a walking heel, a cross bar for extension across the foot below the instep, lower side portions extending upwardly and rearwardly from the ends of the cross bar, and upper side portions extending vertically upward from the upper ends of said lower side portions.

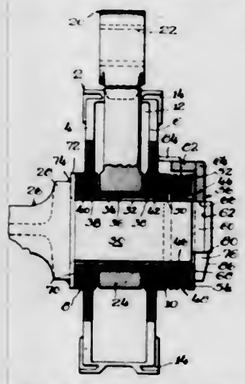
2,547,571
HIP FRACTURE DRILL GUIDE
Joe J. Ettinger, Warsaw, Ind., assignor to Zimmer Manufacturing Company, Warsaw, Ind.
Application June 2, 1950, Serial No. 165,659
5 Claims. (Cl. 128—92)



5. In a device of the kind described, a bone plate adapted to engage the femur below the greater trochanter and form a base, a guide tube having one end hinged to the plate at its upper end for angular adjustment relative to the plate, a barrel through which the guide tube passes transversely, means hinged to the bone plate in spaced relation to its upper end and supporting said barrel, and a set screw engaging in said barrel and acting to hold the guide tube from moving through the barrel.

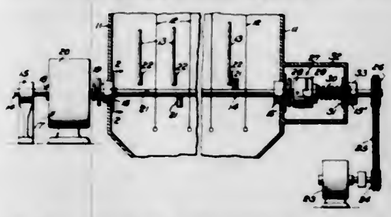
2,547,572
BRAKE HEAD ARRANGEMENT
Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 27, 1945, Serial No. 618,868
4 Claims. (Cl. 287—93)

1. In a retainer and balancing device for an assembly having a pivotal member, a cylindrical pivot member extending through a complementary opening in the pivotal member, and engageable friction surfaces on said members angularly related to the pivotal axis of said pivotal member; the combination of spaced slots in said pivot member extending transversely thereof, a retainer having a body portion and having spaced legs received within respective slots, an annular spring seat sleeved over the pivot member movable axially thereof and frictionally engageable with the inboard side of said body portion and legs, a coil spring compressed between the spring seat and



pivotal member for urging said friction surfaces into engagement and for urging the spring seat into frictional engagement with the retainer body portion and legs, and means on said body portion and pivotal member for limiting pivotal movement of the latter.

2,547,573
RAPPER FOR ELECTRICAL PRECIPITATION APPARATUS
Anthony S. Gannone, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application April 18, 1949, Serial No. 88,081
7 Claims. (Cl. 183—7)

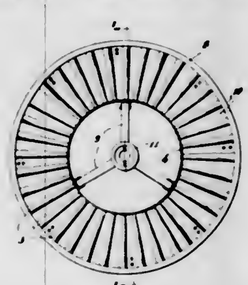


1. In an electrical precipitator, having electrodes in spaced relation to each other, an electrode rapping device comprising a rotatable bar extending transversely of the electrodes, striker members positioned in spiral spaced relation along the bar adjacent each electrode to be rapped, means for rotating said bar to bring successive striker members into striking position with respect to the corresponding adjacent electrode and means for reciprocating said bar.

2,547,574
METHOD OF MAKING REELS
Marius Gazet, Lyon, France, assignor to Etablissements G. Decombe, Lyon, France, a corporation of France
Application January 13, 1948, Serial No. 2,053
In France July 18, 1947
3 Claims. (Cl. 29—159)

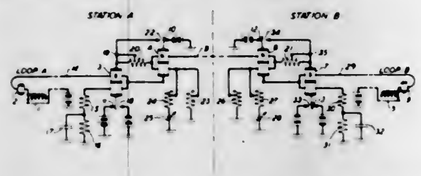
3. A method for producing cheeks for reels, chiefly reels carrying wound cables and the like consisting in cutting a sheet of flat substantially

rigid material to form a straight member, folding said member at regular intervals to one side to obtain on one side of its plane a plurality of narrow parallel transverse folds of constant breadth extending throughout the breadth of said member and separated by comparatively wide flat elements, welding transversely of the folds a flat member along a longitudinal edge of the folded member to extend throughout at least the height of the folds in the first mem-



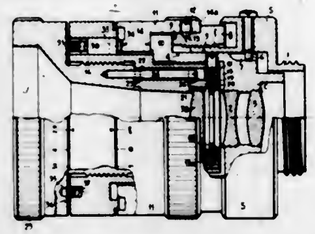
ber, bending the edge of the folded member rigid with said transverse flat member round a mandrel to open fanwise the folds in a continuous manner from the edge considered towards the opposite edge, rigidly connecting the two terminal sides of the first mentioned folded member and associated member thereof with one another and capping the peripheral outer edge of the incurved flat member with a shaped raceway.

2,547,575
TELEGRAPH REPEATER
De Motte Whitcomb Gilbo, Flint, Mich., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 27, 1949, Serial No. 73,110
4 Claims. (Cl. 178—58)



2. In a half-duplex direct current telegraph system, a first and a second telegraph repeater, a first and a second telegraph loop circuit connected to said first and said second repeater respectively, a telegraph channel interconnecting said repeaters, two telegraph relays only, namely a sending relay and a receiving relay, in each of said repeaters, means in said second repeater, responsive to the transmission of a break signal from said first loop circuit while said second loop circuit is transmitting, for actuating said receiving relay in said second repeater to engage its spacing contact, and means in said second repeater consisting of said sending and receiving relays in said second repeater, the conductors interconnecting said relays in said second repeater and the magnitudes and polarities of the potentials impressed on said second repeater and on said second loop, responsive to said actuation for preventing further transmission of effective communication signals from said second loop circuit while said break signal persists.

2,547,576
CAMERA LENS MOUNT
Eric Guinchard, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix, Vaud, Switzerland, a corporation of Switzerland
Application May 23, 1950, Serial No. 163,628
In Switzerland June 15, 1949
7 Claims. (Cl. 88—57)



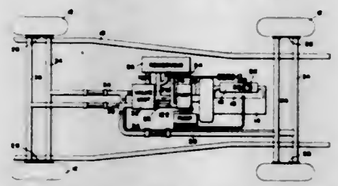
1. In a lens mount for cameras, the combination of a support, a lens-carrier slidably carried thereby, a rotary nut shaped member controlling the longitudinal position of the lens-carrier in the support and provided with an annular guideway the plane of which is perpendicular to the axis of the lens-carrier, a cooperating member carried by the lens-carrier and provided with a blind longitudinal perforation registering with the guideway in the rotary member, a piston-shaped member slidingly carried in said perforation, a spring urging the piston-shaped member outwardly into the guideway, the guideway being provided at least at one predetermined point with a depression into which the piston is engaged releasably through the action of the spring for defining a corresponding positioning of the lens-carrier with reference to the rotary member and consequently to the support and a diaphragm carried by the said member provided with a perforation.

2,547,577
COUNTERCURRENT EXTRACTION APPARATUS
Joseph Doyle Hamacher and Roy Wilson Barns, Detroit, Mich., assignors to Detrex Corporation, Detroit, Mich., a corporation of Michigan
Application July 22, 1946, Serial No. 685,406
5 Claims. (Cl. 23—270)



1. In solvent extraction apparatus, a substantially horizontal elongate round-bottomed extractor chamber containing treating liquid; a conformative screw conveyer in the chamber with a solid thread portion and a thread portion in continuation of the solid thread portion formed of bristles for advancing divided solid matter in the liquid; a filter pocket laterally offset from the chamber adjacent the bristle portion of the conveyer; and a filter unit in said pocket comprising a screen and a shiftable supporting frame therefor, and spring means influential upon the frame to maintain the screen yieldingly engaged with the bristle portion of the conveyer.

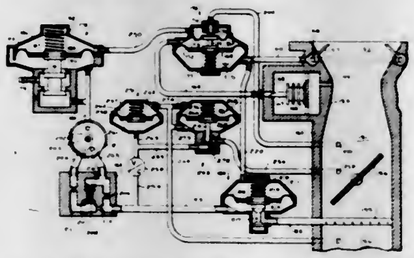
2,547,578
POWER TRANSMISSION SYSTEM
Trent H. Holmes, Middletown, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application September 15, 1945, Serial No. 616,519½
28 Claims. (Cl. 60—19)



8. In a motor vehicle having fluid operated motor means mechanically connected with the vehicle wheels, a variable capacity pump, an internal combustion engine for operating the pump, conduits for delivering fluid from the pump to the motor means and for returning fluid from the motor means to the pump, the combination of means, including a reversing valve, for reversing the flow through portions of the said conduits to cause the motor means and the vehicle to operate either in the forward direction or in the reverse direction, and automatically acting means for causing the pump to operate at less than its maximum capacity when the motor means and the vehicle are operating in the reverse direction.

23. In a motor vehicle driven by an internal combustion engine having an intake manifold, the combination of a variable speed power transmission between the engine and the driving wheels of the vehicle, and means responsive to the pressure in said manifold for automatically varying the power transmission to change the ratio between the engine speed and the vehicle speed so as to maintain the manifold pressure at a predetermined optimum value throughout a predetermined range of vehicle speeds.

2,547,579
CARBURETOR
Scott F. Hunt, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application June 17, 1943, Serial No. 491,096, now Patent No. 2,442,046, dated May 25, 1948. Divided and this application July 17, 1946, Serial No. 684,336
3 Claims. (Cl. 261—34)



1. In a carburetor for an internal combustion engine having an air passage and throttle therefor, and a main conduit for conveying metered fuel to said passage with valve for controlling the flow therethru, an acceleration pump comprising an expansible fuel chamber supplied with metered fuel from said main fuel conduit and adapted to discharge said fuel into said air passage, independent of said fuel control valve, incident to an opening movement of said throttle, a second valve for controlling the discharge of fuel from said fuel chamber, a first expansible air chamber having an intermediate wall adapted to collapse said fuel chamber so as to discharge the fuel therein, and means including a second expansible air chamber having a movable wall adapted to operate said second fuel valve, said expansible air chambers being connected to each other thru a metering restriction and to said air passage posterior to said throttle, whereby, upon a rapid opening of said throttle, said second valve is held open for a longer period of time than is required to collapse said expansible fuel chamber, so that an initial discharge thru said second valve at relatively high pressure is followed by a continuing discharge at a relatively low pressure.

2,547,580
VEHICLE BODY AND RUNNING GEAR SUPPORT
Kaj Arne Kristian Jessen, Vanløse, Denmark
Application February 17, 1948, Serial No. 9,298
In Denmark February 13, 1947
9 Claims. (Cl. 280—113)



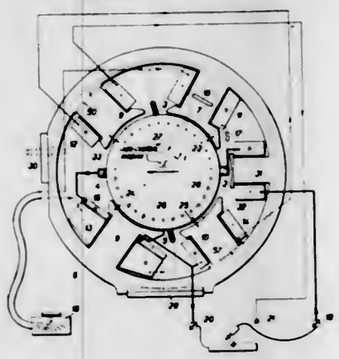
1. In a vehicle, a transverse axle; wheels carried by said axle; a vehicle body; a first set of struts bearing with their upper ends on the underside of said vehicle body at substantially its longitudinal center line and bearing with their lower ends on generally the longitudinal end portions of said axle; and a second set of struts bearing with their upper ends on the underside of said vehicle body at points at a substantial distance from the longitudinal center line of the vehicle and bearing with their lower ends on said axle at substantially the longitudinal center thereof.

2,547,581
POWER TRANSMISSION AND CONVEYER LINE
Albert G. Kearns, White Haven, Pa.
Application July 3, 1948, Serial No. 36,883
4 Claims. (Cl. 74—249)



1. A link for chain drives comprising a cross bar, a revoluble bushing on said cross bar, a side bar extending from each end of the cross bar, the said side bars converging at their free ends, a hook-like element at the free end of each of said side bars, said hook-like elements being adapted to engage the cross bar of an adjacent link on opposite ends of the revoluble bushing, and a removable locking member carried by one of said hook-like elements adapted to engage the cross bar and prevent said cross bar from leaving the hook-like elements.

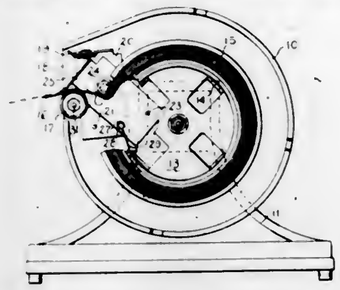
2,547,582
DIRECT-CURRENT GENERATOR
Vilém Klíma, Prague, Czechoslovakia, assignor of one-half to Moravian Electrical Engineering Works, Olomouc, Czechoslovakia, a national corporation
Application February 19, 1948, Serial No. 9,486
In Germany October 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1961
10 Claims. (Cl. 322—92)



1. In a D. C. generator, a bi-polar substantially non-chordally wound armature; a pair of main brushes connected to an output circuit and a pair of auxiliary brushes operatively associated with said armature; a pair of split poles each comprising a main pole and a cross pole; a pair of shunt related magnetizing windings each arranged on a main pole; a pair of differential series connected windings each arranged on a cross pole; one of said shunt related windings being energized from a main brush and an auxiliary brush flanking the associated one main pole; and the other shunt related winding including an adjustable impedance therein and being connected across said auxiliary brushes; whereby the excitation of said one main pole remains constant at no-load and varies in accordance with the output current while the excitation of the other main pole may be adjusted, through said impedance, over a wide range at no-load and the exciting voltage varies directly in accordance with the output current.

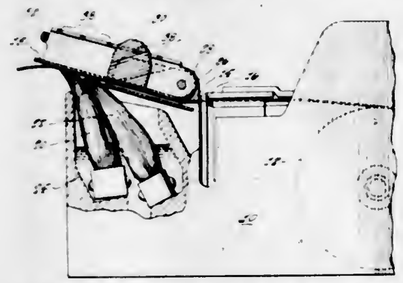
2,547,583
TAPE DISPENSING MECHANISM
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application January 19, 1949, Serial No. 71,573
10 Claims. (Cl. 164—84.5)

1. A machine for dispensing pressure-sensitive tape comprising a frame, means thereon for supporting a supply roll of tape, a roller rotatably mounted in the frame to which the tacky side of the tape adheres as it comes from the supply roll, said roller being rotated in a forward direction when the tape is drawn thereover, a severing member spaced from the roller on the non-tacky side of the tape whereby the tape must be disengaged from the roller when moved against the severing member, measuring means connected to the roller, and means for rotating said roller



in a reverse direction when the tape is moved toward the severing member.

2,547,584
MOISTENER FOR GUMMED TAPE DISPENSERS
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application March 17, 1949, Serial No. 81,855
4 Claims. (Cl. 91—38)

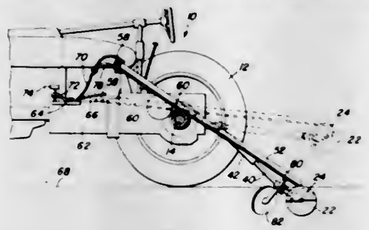


1. In a tape moistening couple for tape dispensing devices, a water reservoir, an inverted brush therein, a pressure plate resting by gravity on the brush, means for pivoting the pressure plate at one side of the brush, lip members on the pressure plate, a weight movably mounted on said pressure plate towards and from the pivotal axis of the plate and retained on said plate by said lip members, and means for retaining the weight in any one of a plurality of adjusted positions on the plate.

2,547,585
MECHANISM FOR SECURING AN EARTH-WORKING TOOL IN A GROUND-ENGAGING OR GROUND-DISENGAGING POSITION
Frederick J. Lewis, Youngstown, Ohio
Application July 20, 1948, Serial No. 39,610
3 Claims. (Cl. 97—41)

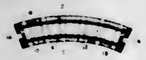
1. In a tractor having a frame and a rear axle housing, an elongated cutter and means for suspending the cutter from the tractor, said means including a substantially U-shaped frame secured at its free ends to the ends of said cutter, clamp means intermediate the ends of the legs of said cutter frame pivotally securing the latter to the rear axle housing, and means carried by the tractor frame for releasably and selectively retaining said cutter in ground-engaging and ground-disengaging positions, said last means including an

upwardly and rearwardly extending arcuate leaf spring secured intermediate its ends to the tractor frame, the upper end of said spring including a



clip for frictionally engaging the web portion of said cutter frame to retain the cutter in a ground-engaging position.

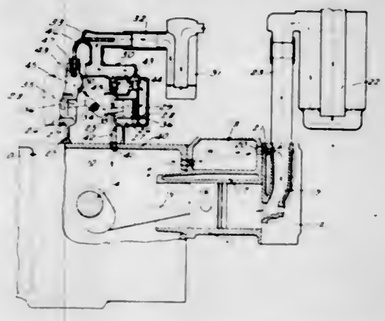
2,547,586
MODEL RAILWAY TRACK
Matthew Ambrose Graham Loré, Blackpool, England
Application December 17, 1947, Serial No. 792,267
In Great Britain December 21, 1946
1 Claim. (Cl. 238—10)



In a model railway track built up from a plurality of track sections connected together in a series, the combination of a system of straight and curved solid track sections of molded plastic such as rubber in which each section comprises a base simulating road ballast; two parallel raised integral portions on the upper surface of the base forming the rail portions thereof and integral transverse raised stiffening portions disposed at spaced intervals upon the base simulating sleepers, each curved rail section being integrally banked at the outer edge thereof so that the outer rail thereon is raised above the level of the inner rail; and a straight intermediate section serving to connect straight rail sections having both rail portions disposed at an equal level, with a curved section having a higher outer curved rail portion and having at least the outer rail portion upon said intermediate section raised at one end to register with said outer raised rail portion upon said curved track section and the other ends of the rail portions on said intermediate rail section terminating at a lower common level to register with the ends of the rail portion on said straight rail sections, and all of the rail sections having corresponding dovetail recesses vertically open upon the ends thereof intermediate the rail portions thereon, there being double dovetail keys adapted for insertion into each pair of corresponding dovetail recesses in the ends of said rail section for connecting the latter together.

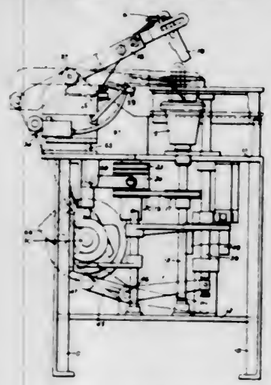
2,547,587
CRANKCASE VENTILATING SYSTEM FOR A PLURALITY OF ASSOCIATED ENGINES
Wilfred W. Lowther, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application September 17, 1949, Serial No. 116,273
8 Claims. (Cl. 60—97)

1. In combination: a pair of internal combustion engines arranged for operation of either independently of operation of the other, each having its own crankcase and its own air-intake system, each air-intake system including an air cleaner; means providing an air-flow passage inter-communicating the crankcases; means including an air flow duct interconnecting each crankcase and its own air-intake system at a cleaned-air point in the latter; each air-intake system being in air-flow series with the other via one of the duct means, one crankcase, the passage means, the other crankcase and the other duct means, so that during a condition in which one engine is operating and the other is not, the



air-intake system of the operating engine will be subjected to sub-atmospheric pressures and the air-intake system of the non-operating engine will be open to at least atmospheric pressure and cleaned air will be caused to flow from the air-intake system of the non-operating engine, through the duct means of said non-operating engine and into the crankcase of said non-operating engine and thence through said passage means into the crankcase of the operating engine and through the duct means of said operating engine to the air-intake system of said operating engine.

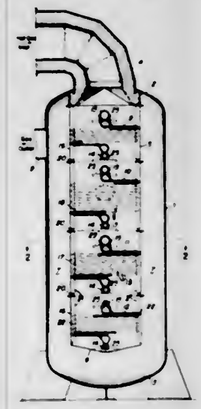
2,547,588
POTTERY MACHINE
Robert Alexander Maddock, Trentham, England
Application June 23, 1947, Serial No. 756,453
In Great Britain February 15, 1944
1 Claim. (Cl. 25—24)



A pottery machine comprising a frame, a pair of vertical spindles journaled in the frame in spaced relationship, a jigger head supported by the upper end of each spindle, a source of power, a drive connection between said source of power

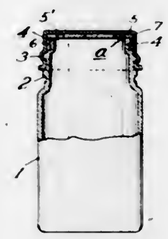
and said spindles, a lever mounted on said frame for horizontal pivotal movement, a pair of spaced parallel arms supported by said lever and extending over the jigger heads, a profile tool supported by each of said arms, a horizontal shaft journaled in said frame, a drive connection between said source of power and the horizontal shaft, a cam on the horizontal shaft, a member carried by said lever and riding on the cam whereby rotation of the cam will raise and lower the lever and arms simultaneously, a third spindle mounted in said frame for vertical and rotatable movement, a mould carrier supported by the upper end of said last named spindle, a lever pivoted to the frame and having an arm operatively connected with said vertically movable spindle, a second cam on said horizontal shaft adapted to engage the free end of said last named lever whereby said arm will raise the spindle at predetermined intervals, a disk carried by the vertically movable spindle intermediate the ends thereof, a plurality of projections on said disk, a push-pull rod having means thereon for engaging said projections to rotate said spindle, a lever pivoted to the frame for vertical pivotal movement, a connection between said last named lever and the push-pull rod, a cam on said horizontal shaft for moving said lever for vertical pivotal movement in alternate directions whereby said vertically and rotatably movable spindle and mould carrier are rotated, a clutch on one of said jigger spindles, an operator for said clutch, and a cam on said horizontal shaft for actuating said clutch operator to disconnect the spindles from the source of power.

2,547,589
APPARATUS FOR EXTRACTING HEAT FROM GASES UNDER PRESSURE
Leonard J. Marshall, Anderson, Tenn., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application July 2, 1947, Serial No. 758,503
3 Claims. (Cl. 122—7)



1. A heat exchanger for extracting heat from hot gases flowing therethrough under pressure comprising a vessel having a cylindrical shell and heads capable of resisting the gas pressure internally together with an inlet for the hot gases in one head and an outlet for the cooled gases in the shell adjacent said inlet head; a multi-section gas conduit within the shell extending longitudinally thereof in radially spaced relation thereto and being open at one of its ends and joined at its other end to said inlet head thereby forming a connection with the gas inlet, said multi-section conduit extending through the shell continuously from the inlet head thereof to a location spaced from the opposite shell head whereby to provide a gas passage leading from the open conduit end into the space radially separating the conduit and shell, the sections of the conduit being joined transversely of the conduit by transverse expansion joints; a bundle of heat absorbing tubes within each of said sections made up of rows of tubes bent back and forth; an inlet and an outlet header for each of said tube bundles respectively receiving opposing ends of the heat absorbing tubes in the bundle rows and constituting mechanical supports for those tubes, each of said inlet and outlet headers passing through opposite sides of the respective conduit section, each header being closed at one end and passing adjacent its opposite open end through the wall of said vessel shell to the exterior thereof; means supporting each header from the shell interior at the header's closed end; and means at the point of passage of each header's opposite end through the shell wall further supporting that header from the wall and sealing it with respect thereto.

2,547,590
CONTAINER FOR CONDIMENTS AND THE LIKE AND SIFTER CAP THEREFOR
Archibald B. McGinnis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia
Application December 29, 1949, Serial No. 135,608
3 Claims. (Cl. 222—512)



1. A combined sealing liner and sifter cap for a condiment container provided with a mouth having an undercut peripheral lip and having a threaded neck portion to receive a closure cap, said combined liner and sifter cap comprising an elastic rubber-like body having a central perforated disk portion with a depending continuous flange around its periphery, whereby the same may be snapped and retained over the mouth of said container, said disk portion being adapted to provide a seal between the mouth of the container and the closure cap.

2,547,591
CLOSURE FOR WINDOW OPENINGS AND THE LIKE
Grady H. Meadows and Joyce R. Meadows, Mount Pleasant, Tex.
Application October 19, 1948, Serial No. 55,306
8 Claims. (Cl. 268—123)

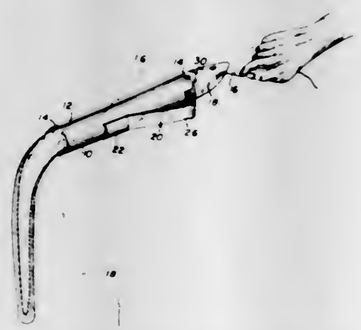
1. A ventilator construction for wall openings comprising a frame, a plurality of vanes pivoted to the frame for closing the wall opening, means interconnecting all of said vanes, a reservoir supported by the frame below the opening for

receiving rain draining from the vanes, a float mounted within the reservoir, a crank pivoted to the float, an elongated arm pivotally connected with said crank, said arm having an elongated slot adjacent its free end, and a crank arm on



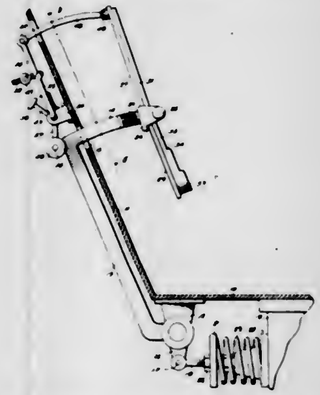
one of said vanes being disposed in said slot whereby upward movement of the float by a rise in water level in the reservoir will move said elongated arm downwardly thereby rotating said vane through said crank arm.

2,547,592
EASY EEL HOLDER
Robert G. Morris, Baltimore, Md.
Application January 28, 1947, Serial No. 724,822
4 Claims. (Cl. 43—53.5)



1. A device for dislodging fish hooks from eels comprising a tube having a longitudinal slot for reception of a fish line, and a resilient member fixed at one end to the exterior of said tube and having an extension at the opposite end disposed at substantially right angles to the longitudinal axis of said tube, said tube having a lateral opening in the path of movement of said extension for passage of said extension through said opening and into said tube, the end of said extension having eel engaging means to press an eel against the wall of the tube opposite said opening, a plane including the longitudinal axis of a portion of the resilient member fixed to the tube and the longitudinal axis of the extension being parallel to the longitudinal axis of the slot.

2,547,593
CONTROL MECHANISM FOR MOTOR VEHICLES
Paul C. Morris, Louisville, Ky.
Application October 21, 1949, Serial No. 122,757
2 Claims. (Cl. 192—3)

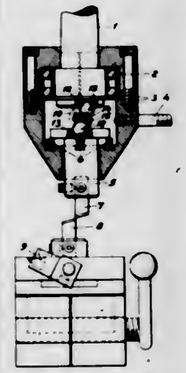


1. An apparatus of the character described comprising in combination, vehicle floor boards, a brake lever pivotally connected with the floor boards at its lower end and having an arcuate arm extending through the floor boards, a yoke affixed to the free end of the arcuate arm, an accelerator pedal pivoted to said yoke and extending upwardly therefrom a brake pedal pivoted to said yoke and extending downwardly therefrom, means connected with the accelerator pedal for controlling the fuel supply to a motor, automatic means associated with the brake lever for returning the motor to idling condition upon forward movement of said brake lever and means for causing the brake pedal to remain in the same plane with the accelerator pedal upon depression of the latter, said means for controlling the fuel supply including a bracket attached to the underside of the floor boards, a throttle lever, a throttle arm pivoted to said bracket and connected with said throttle lever, an arm pivoted at its lower end to the base of the throttle arm and adapted to bear against the forward side of said throttle arm, a spring for urging the rearward movement of the arm pivoted to the throttle arm and a link extending through the floor boards and interconnecting the upper end of the arm pivoted to the throttle arm and the upper underside of the accelerator pedal.

2,547,594
DEVICE FOR CONVERTING ROTARY MOTION INTO RECIPROCATING MOTION
Eric Oscar Ohlsson, Hagalund, Sweden
Application May 9, 1949, Serial No. 92,166
In Sweden December 1, 1948
3 Claims. (Cl. 74—50)

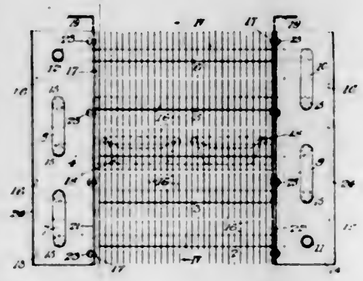
1. A cutting and stamping accessory for drilling machines comprising in combination a housing, a rotatable shaft entering the top of said housing and adapted to be connected to the spindle of the drilling machine, a non-rotatable and axially reciprocatable plunger located axially of said shaft in said housing and protruding through the bottom thereof, means for retaining said housing stationary in relation to the drilling machine, springy means for keeping said plunger towards the end of said shaft in said housing, and means

between said shaft end and said plunger for converting the rotary motion of said shaft to a reciprocating motion of said plunger, said last mentioned means comprising one spherical portion



resting against said shaft end and excentrically thereto and two spaced spherical portions resting against said plunger excentrically in relation to an extension of the axis of said shaft.

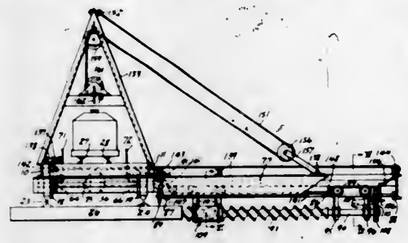
2,547,595
AUXILIARY EVAPORATING COIL FOR THE ICE-MAKING SECTION OF REFRIGERATORS
John Plumeri, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application January 27, 1948, Serial No. 4,644
4 Claims. (Cl. 62—126)



1. In combination, an ice making section of a refrigerator and an evaporating unit embracing at least two sides of said section, said evaporating unit embodying a plurality of angular shaped tube portions connected at their ends to establish a continuous channel for the flow of refrigerant, header plates secured to the ends of said tube portions, and means attaching the header plates to the said ice making section.

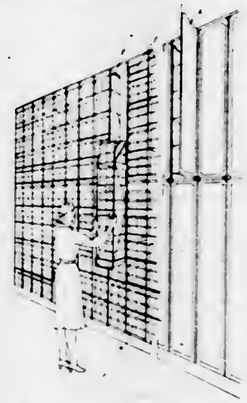
2,547,596
TRACK STRIPPING MACHINE
Dennis M. Praytor and Knox Kershaw, Birmingham, Ala.
Application November 16, 1945, Serial No. 629,180
9 Claims. (Cl. 37—104)

1. Apparatus for removing ballast from between railroad ties comprising a railroad vehicle, a power driven auger pivotally mounted on the side of the vehicle, means for reciprocably supporting the pivoted auger in working position,



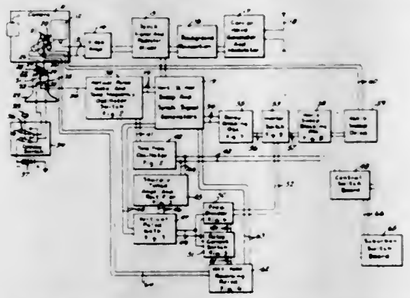
and means to reciprocate the auger between the ties to remove the ballast therefrom.

2,547,597
SHELVING STRUCTURE
Mario Roggero, Genova-Sestri, Italy, assignor to Pier Carlo Ricchiardi, Rome, Italy
Application May 23, 1946, Serial No. 671,712
16 Claims. (Cl. 211—143)



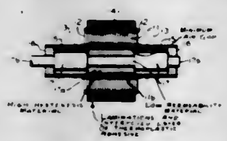
1. A shelving structure comprising in combination: stationary track-forming means for connection with a support, said stationary track-forming means including an upper portion extending forwardly from the rear of said shelving structure and a front portion being a continuation of said upper portion and extending downwardly, supporting means fixedly disposed at the front of said shelving structure in a plane below the plane of said upper portion of the stationary track-forming means, a movable shelving section, engaging means mounted at the rear upper portion of said movable shelving section and cooperatively and shiftably engaged with said stationary track-forming means, and guiding means arranged on said movable shelving section, said guiding means including a lower portion extending rearwardly from the front of said shelving section and a rear portion being a continuation of said lower portion and extending upwardly, said lower portion of said guiding means being substantially parallel to said upper portion of said track-forming means, said rear portion of said guiding means being substantially parallel to said front portion of said track-forming means, and said supporting means being in cooperative and shiftable engagement with said guiding means and supporting said movable shelving section during an engagement with the lower portion of said guiding means.

2,547,598
SUBSCRIPTION IMAGE TRANSMISSION SYSTEM AND APPARATUS
Erwin M. Roschke, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 13, 1947, Serial No. 773,848
23 Claims. (Cl. 178—5.1)



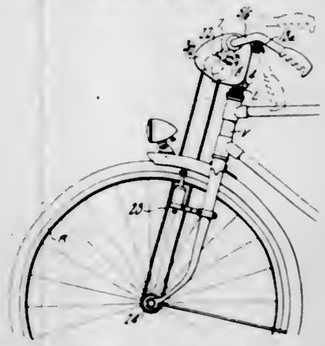
1. A subscription type of television system comprising: a video frequency signal generator; a scanning system for controlling said generator to develop during recurrent trace intervals a video frequency signal representing a scanned subject and including a synchronizing signal generator for developing during interposed intervals a synchronizing signal normally having a fixed time relation with respect to said trace intervals; means for controlling said scanning system to vary the occurrence of said trace intervals relative to said synchronizing signal during spaced time intervals and including a second generator controlled by said scanning system for developing a key signal indicating the times of occurrence of said spaced time intervals; a mixer device coupled to said video frequency signal generator and to said scanning system for producing a television signal which includes in alternation said video frequency signal and said synchronizing signal; means for radiating said television signal to a subscriber receiver; a line circuit coupled to said second generator and extending to said receiver for supplying thereto said key signal; and a picture reconstituting device and an associated scanning system included in said subscriber receiver and responsive conjointly to said television signal and to said key signal for tracing an image of said scanned subject.

2,547,599
HYSTERESIS DYNAMOELECTRIC MACHINE
Herbert C. Roters, Kew Gardens, N. Y., assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y., a corporation of New York
Application October 31, 1945, Serial No. 625,878
17 Claims. (Cl. 318—166)



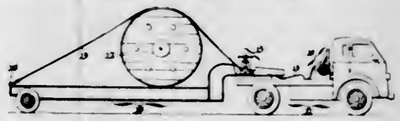
1. A hysteresis dynamoelectric machine including, cooperating stator and rotor members, one of said members comprising a magnetic core structure having a low conductivity to eddy currents and having a series of radially extending, angularly spaced winding slots and magnetic bridges for the ends thereof adjacent the other member and a polyphase distributed energizing winding disposed in said slots, the other of said members comprising a magnetic armature constructed at least in part of a magnetic material having a high hysteretic constant, said members having complementary cylindrical adjacent surfaces forming an air gap therebetween and having such relative diameters that said air gap is substantially the minimum permitted by manufacturing tolerances, and means for mounting said members for relative rotation.

2,547,600
FRONT-WHEEL DRIVING MECHANISM FOR BICYCLES
Theodor Saxer, Rorschach, Switzerland
Application February 12, 1948, Serial No. 7,988
In Switzerland February 12, 1947
5 Claims. (Cl. 280—245)



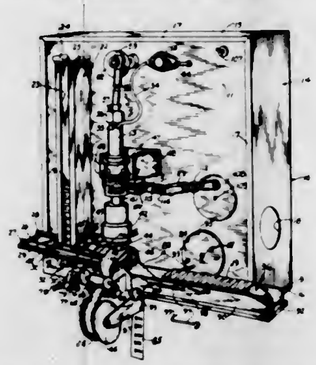
1. A driving mechanism for bicycle front wheels having a fork, comprising a gear casing for position on top of said fork, two handle bar sections arranged for pivotal movement on said casing, said handle bar sections having inner ends and extending with their outer ends laterally beyond said gear casing, gear means within said casing and operatively connected to said inner ends of said handle bar sections, respectively, said gear means including two pins and a driven shaft below said handle bar sections and extending from within said casing therewithout, transmission means on said driven shaft for connecting the latter to said front wheel, said pins and said shaft being arranged in parallel relation to each other and to said inner ends of said handle bar sections, said handle bar sections being provided with respective actuating means establishing driving connection with said gear means, and ratchet means ensuring rotation of said driven shaft in one direction only upon movement of said handle bars and said actuating means.

2,547,601
CABLE VISE
Claude A. Scheirer, Havertown, Pa.
Application October 24, 1947, Serial No. 781,775
11 Claims. (Cl. 214—85)



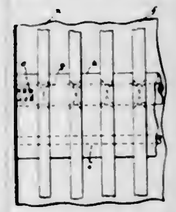
1. In combination with a trailer and a tractor having a winch mounted thereon, a cable vise mounted on said trailer rearwardly from said winch, said cable vise having gripping elements and one of said gripping elements being formed with a groove to receive said cable, and a cable having one end attached to the rear portion of said trailer and leading through said cable vise to said winch.

2,547,602
METALLIC RIBBON IMPRINTING APPARATUS FOR BOOK MATCHES
Roland G. Schmitt, Chicago, Ill., assignor to Art Lines, Inc., Detroit, Mich., a corporation of Michigan
Application March 25, 1949, Serial No. 83,458
17 Claims. (Cl. 41—1)



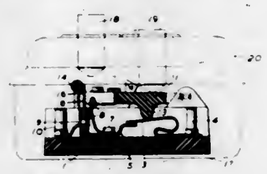
1. In an imprinting machine, the combination with means for maintaining substantially flat articles in vertical stacked relation; of means for feeding said articles singly from said stack along a predetermined rectilinear path; reciprocative imprinting means operating relative to said rectilinear path for imprinting impact against the articles; means for heating said imprinting means; feeding means for disposing a metallic foil ribbon beneath said imprinting means; and means for operating said article feeding, reciprocative imprinting, and metallic foil feeding means in synchronized timed relation.

2,547,603
EDUCATIONAL TALKING TOY
Bernard Segal, New York, N. Y., and Alan N. Segal, East Montreal, Quebec, Canada; said Alan N. Segal assignor to said Bernard Segal
Application November 26, 1945, Serial No. 630,876
1 Claim. (Cl. 74—483)



In an article of the character described, in combination with a frame, a plurality of members in tandem arrangement, a plurality of brackets mounted on the frame; each of said members being positioned between a pair of said brackets and pivotally mounted thereon respectively and free to swing therebetween; each of said brackets being provided with a bore; said bores being in parallel relation, a series of locking pins, one locking pin being slidably positioned in each of said bores; the successive ends of said locking pins being in contact, spring means at each of the remote ends of said series of locking pins; said spring means acting towards each other to maintain the locking pins in contact; each of said members being provided with a cam means adapted upon movement of any of said members to separate and come between a pair of successive locking pins whereby the locking pins are slid within the bores; those locking pins being at one side of a moved member being moved in one direction and those locking pins being at the other side of said moved member being moved in the opposite direction whereby the remaining members are in the path of shifted locking pins and thereby restrained against movement; the distance of possible separation of any pair of successive locking pins being less than is required for any two members to lie between locking pins, a channel mounted on the frame, a plurality of blocks slidably positioned in said channel for movement inwardly and outwardly of the said channel; said blocks being in abutment and the mentioned members being respectively pivotally mounted to said blocks and spring means normally holding said blocks in their position where such blocks are free for inward movement into the channel.

2,547,604
ELECTRIC SWITCH
William Sharp, Birmingham, England
Application April 14, 1949, Serial No. 87,443
In Great Britain May 4, 1948
3 Claims. (Cl. 200—116)



1. An electric switch comprising an insulating base, a plurality of fixed contacts on the base, each fixed contact being electrically connected to a circuit mains terminal, a plurality of movable contacts mounted on the base and each comprising a blade spring forming an arm flexibly connected at one end to said base, each blade spring forming an electric conductor and being electrically connected to another circuit mains terminal, a switch arm pivotally mounted on said base and provided with projections adapted to bear against said arms of the movable contacts and to depress the said movable contacts into contact with the said fixed contacts, said movable contacts being adapted to be urged to open position by the spring pressure of the said movable contacts on said projections, a trip lever comprising a transverse bar having legs at each side which are pivotally mounted on said base, a catch projection on the pivoted switch arm which is engaged by the trip lever and held in engagement by said blade springs, bi-metal strips which lie in front of said transverse bar and which when deflected pivot the trip lever to release said switch arm when an overcurrent passes through

one or more of the bi-metal strips, a first press button adapted to bear on said switch arm to thereby move said catch projection into engagement with the trip lever, and a second press button adapted to bear against and operate the trip lever to release the switch arm.

2,547,605

MIXTURE OF POLYCHLOROPRENE, VINYLIDENE CHLORIDE-ACRYLONITRILE COPOLYMER, AND BUTADIENE-ACRYLONITRILE COPOLYMER

Ralph J. Signer, Chicago, and Keith F. Beal, Berwyn, Ill., assignors to The Viaking Corporation, Chicago, Ill., a corporation of Virginia

No Drawing. Application January 14, 1947, Serial No. 722,082
7 Claims. (Cl. 260—45.5)

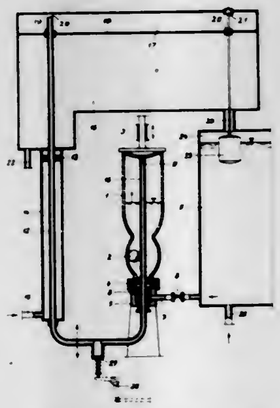
1. Formed structures consisting essentially of a mixture of polychloroprene and a copolymer consisting of 75% vinylidene chloride and 25% acrylonitrile, said polychloroprene and said copolymer being present in proportions in which they are normally incompatible, and 5% to 20% of a blending agent consisting of a copolymer of 1,3 butadiene and 25% to 45% of acrylonitrile whereby said incompatible polychloroprene and vinylidene chloride-acrylonitrile copolymer are made compatible.

2,547,606

APPARATUS FOR FILLING INVERTED BOTTLES

Jan Staller, Brno, Czechoslovakia

Application June 2, 1948, Serial No. 30,707
In Czechoslovakia June 4, 1947
9 Claims. (Cl. 226—27)



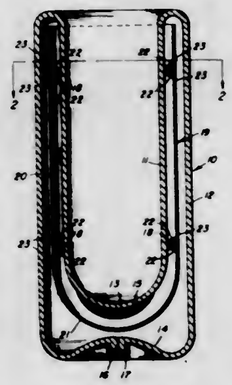
1. Apparatus for filling bottles and containers with liquid in inverted position, comprising: a reservoir for the liquid, a filling head adapted to be put into communication with the liquid reservoir, a U-shaped pipe one limb of which is slidable in the filling head up to a position in which the free end of that limb passes through the neck of an inverted bottle or container placed on the filling head and extends to the vicinity of the bottom of the bottle, the volume of the walls of that part of the U-shaped slidable pipe which is immersed in liquid when the pipe is in its highest position and the bottle is full being greater than the volume of liquid filling the entire pipe in the same operative state, an air chamber into which the open end of the outer limb of the U-shaped pipe reaches when this pipe is in its uppermost position, an outlet valve on the air chamber, means for controlling the said outlet valve in dependence upon the surface level of liquid in the liquid reservoir, and a gas chamber located below the air chamber but at a higher level than the liquid surface level in the liquid reservoir, the free end of the outer limb of the U-shaped pipe opening into the gas chamber when the U-shaped pipe is in its lowest position, and the gas chamber being in open communication both with the air chamber and with the gas space above the surface of the liquid in the liquid reservoir.

2,547,607

DOUBLE-WALLED THERMALLY INSULATED VESSEL

Gerard F. Sulfrian, Newark, N. J., assignor to Hofman Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Application December 30, 1947, Serial No. 794,573
3 Claims. (Cl. 220—9)



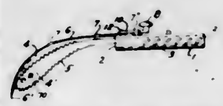
1. As a new article of manufacture a thermally insulated vessel which includes an inner wall, an outer wall in spaced relation to the inner wall, the space between the walls being evacuated, spaced bands of a material possessing low thermal conductivity encircling the inner wall and spaced from the outer wall, a radiation shield supported on said bands in the evacuated space and out of contact with either wall, and spurs on the radiation shield for engaging the bands and holding the shield in place.

2,547,608

FOWL EVISCERATING TOOL

Andrew J. Toti and Dante D. Toti, Modesto, Calif.

Application March 7, 1947, Serial No. 732,980
5 Claims. (Cl. 17—11)



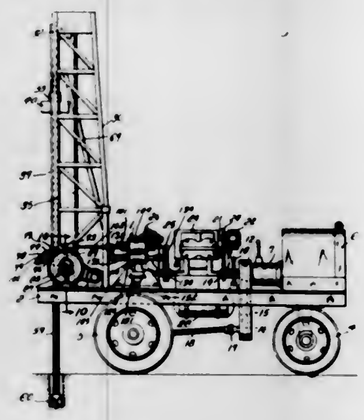
1. A fowl eviscerating tool comprising an elongated handle, a shallow spoon-like scoop having a concave side and extending from one end of and following the same general direction of said handle, the outer end portion of said scoop curving toward the concave side of the scoop out of line with the general extension of the handle, said scoop having a curved outer edge provided with cutting teeth.

2,547,609

DRILLING APPARATUS

Harry H. Vanderzee, Racine, Wis., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application June 9, 1945, Serial No. 598,524
9 Claims. (Cl. 255—22)



5. In a drilling apparatus, in combination, a reciprocatory drilling implement, and an actuating mechanism for imparting a rapid reciprocation to the drilling implement to effect the drilling of a hole with a percussive action including a hydraulically operated motor of the reciprocating type, means for operatively connecting said motor to said drilling implement, a liquid pump, a conduit for delivering liquid from said pump to said motor, a chamber to which said conduit delivers liquid and from which liquid is delivered to said motor, said chamber having a movable wall associated therewith, means for causing said movable wall to exert, irrespective of the position of said wall relative to said chamber, a substantially uniform pressure upon the liquid within said chamber including means providing a surface subjected to a substantially constant gaseous pressure acting in a direction to reduce the effective volume of said chamber, and means governed by the position of said movable wall for venting liquid from said chamber.

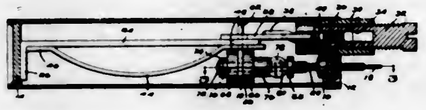
2,547,610

THERMOSTATIC SWITCH

Elmer J. Wentworth, Framingham, Mass., assignor to Smith Control and Instrument Corporation, Needham, Mass., a corporation of Massachusetts

Application May 10, 1950, Serial No. 161,106
5 Claims. (Cl. 200—137)

1. In a thermostatic switch, a tubular case adapted to expand or contract responsive to a change in temperature, a circuit closing lever within said case extending transversely thereof and adapted to rock to open or close an electrical circuit, a short strut fixed with respect to one end of said case and adapted to form a fulcrum for said lever, a second longer strut fixed to the opposite end of said case and adapted to act upon said lever at a point spaced from the fulcrum of said short strut, said strut members having a coefficient of expansion less than that of said case



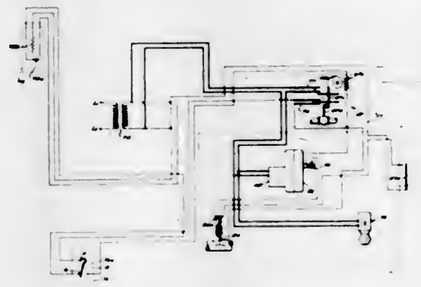
and a leaf spring within said case acting upon said lever to oppose the force of said second strut, whereby said lever will be moved in one direction when the load on said second strut overcomes the force exerted by said leaf spring.

2,547,611

COMBINATION GAS AND OIL BURNER AND CONTROL THEREFOR

Cyril Charles Young, Kansas City, Mo.

Application September 1, 1948, Serial No. 47,319
18 Claims. (Cl. 158—11)



1. A control system for a combined gas and oil burning heater comprising, in combination, a first electrically operated valve means controlling the supply of gas to said heater, a second electrically operated valve means controlling the supply of oil to said heater, a thermostat, and circuit means controlled by said thermostat for selectively energizing said first or second valve means, said circuit means including a pair of interlocking switches respectively operated to open position by energization of said first and second valve means, means connecting the interlocking switch operated by said first valve means in circuit with said second valve means, and means connecting the interlocking switch operated by said second valve means in circuit with said first valve means, whereby only oil or only gas may be supplied to said heater.

2,547,612

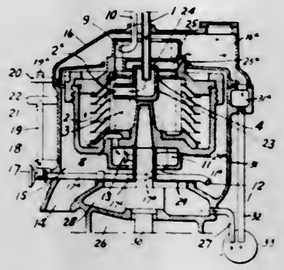
METHOD AND CENTRIFUGE FOR DEWAXING OIL SOLUTION

Gustav Harry Andersson, Smedslatten, Sweden, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden

Application October 17, 1945, Serial No. 622,806
In Sweden October 20, 1944
10 Claims. (Cl. 196—19)

1. A process for continuously separating wax from a mixture of wax and an oil solution heavier than the wax, which comprises feeding the mixture directly into one end of a centrifugal sep-

arating chamber, displacing the larger wax particles of the mixture toward the axis of the chamber while retaining at least a major portion of said said particles near said end of the chamber, discharging the centrifugally separated wax, including said major portion of the larger particles, only from said end of the chamber, whereby the major portion of said larger particles are maintained near said end of the chamber from their entrance into the locus until their discharge therefrom, and separately discharging the oil solution from the chamber.



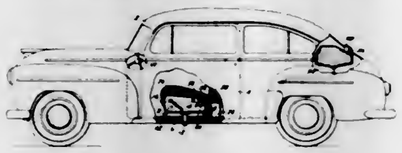
3. In a centrifuge adapted especially for separating wax from a mixture of wax and an oil solution heavier than the wax, a centrifugal bowl comprising a separating chamber and an inlet for the mixture opening directly into one end of the separating chamber, the chamber having also at said end a level outlet for the wax through which wax particles are movable directly from near said end of the chamber, said level outlet being concentric to the bowl axis and located in an end wall of the chamber, the chamber having at its opposite end an outlet for the separated oil solution.

2,547,613

WASHBASIN FOR USE IN AUTOMOBILES

Paul W. Bailey, Oakland, Calif.

Application July 6, 1948, Serial No. 37,267
1 Claim. (Cl. 296—1)



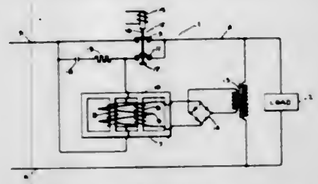
In a vehicle having a floor and a front back rest, the combination of a substantially rectangular basin mounted on the floor adjacent the back rest, a drain extending from said basin through the vehicle floor, a pair of hinges on said basin, said hinges being forward of the back rest, a cover secured to said hinges whereby said cover will cover or uncover said basin by pivoting toward and away from the back rest, a seat cushion supported on said cover for cooperation with the back rest, a hook pivoted to said basin within the same thereof, a pin on said cover, spring means biasing said hook into engagement with said pin for locking said cover in closed position, electromagnetic means for moving said hook away from said pin, a water tank mounted in the car and conduit means placing said tank in communication with said basin for supplying water thereto.

2,547,614

SATURABLE REACTOR ARC PREVENTION CIRCUIT

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 24, 1948, Serial No. 50,955
6 Claims. (Cl. 175—294)



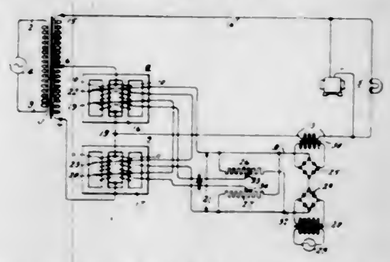
1. In a high current circuit including a power source and a load coupled thereacross, the switching system comprising a first switch serially connected with said source and said load, a second switch, means for opening said first switch before said second switch, a saturable core reactor, said second switch being serially connected with an alternating current winding of said reactor, said second switch and said alternating current winding coupled in parallel with said first switch, and means operative coincidentally with the opening of said first switch for regulating the degree of saturation of the core of said saturable core reactor from an initial saturated condition to a desaturated condition.

2,547,615

SATURABLE CORE REACTOR

Burnice D. Bedford, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application October 26, 1948, Serial No. 56,585
7 Claims. (Cl. 323—43.5)



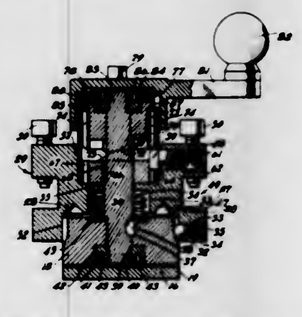
1. In a circuit of the type comprising a power source and a load, a voltage regulating system comprising at least two saturable core reactors, each of said reactors having at least one alternating current coil and one direct current coil wound on a magnetic core, said alternating current coils being serially connected one to the other and coupled across at least a portion of said source, said load being coupled between the junction point of said alternating current coils and said source, means responsive to the magnitude of the load current for controlling the absolute saturation of said cores without affecting the relative impedances of said reactors one to the other, said means comprising a bias circuit for establishing a reference degree of saturation of said cores including at least one of said direct current saturating coils of each of said reactors, said coils being serially connected and coupled across the output of a direct current source including rectifying means, a control circuit for regulating the relative impedances of said reactors including at least one of said direct current saturating coils of each of said reactors, said coils being serially connected and coupled across the output of a potentiometer circuit, said potentiometer circuit being coupled in parallel with said bias circuit, said potentiometer circuit providing means for controlling the magnitude and the direction of flow of the current in said control circuit, said control circuit being so disposed in relation to said bias circuit that the magnetomotive force produced by the control current in said control circuit bucks in one of said reactor cores and boosts in the other of said reactor cores, the magnetomotive force produced by the bias current in said bias circuit, said rectifying means being coupled to the output of a current transformer, said current transformer being serially connected with said load.

2,547,616

INDEXING TURRET TOOL POST

Robert L. Beekman, Fort Lauderdale, Fla.

Application March 8, 1946, Serial No. 652,982
10 Claims. (Cl. 29—49)



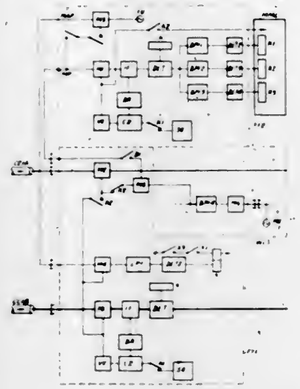
1. An indexing turret tool post comprising a base, a post projecting upwardly from the base, a block having a top recess and a bottom recess receiving the base for rotation thereon, means on the block for receiving and holding tools or tool holders, means cooperative between the block and the base for determining angular position of turning of the block on the base, a multiple-point locating and supporting means on the base, said block having a plurality of indentations at the bottom of its bottom recess, the number of which is a multiple of the number of point contacts for engagement of the latter in equidistantly spaced indentations upon angular adjustment of the block, there being a space or clearance between the top of the base and the bottom of the recess in the block, co-acting upper and lower camming members having peripheral notches and mounted on the post and seated within the top recess of the block, locking means carried by the block engageable within the peripheral notches in said camming members simultaneously, a spring on the post between the base and the block tending to elevate the block, and handle means on the upper end of the post to relatively turn said camming members in one direction and press the block down against the action of said spring to disengage said locking means from the upper cam member and cause the contact support means to engage in the indentations and to relatively turn said camming members in the opposite direction to allow the spring to raise the block above the contact supports.

2,547,617

COMMUNICATION CHANNEL IDENTIFICATION IN TELEPHONE OR LIKE SYSTEMS

Guy ffarington Bellairs, London, and John Charles Ireland, Tunbridge Wells, Kent, England, assignors to British Telecommunications Research Limited, Taplow, England, a British company

Application January 24, 1948, Serial No. 4,147
In Great Britain January 27, 1947
7 Claims. (Cl. 179—15)



1. In a telecommunication system, a carrier frequency identifying arrangement comprising a first identifying means for ascertaining a first character designating a carrier frequency, a second identifying means for ascertaining a second character designating a carrier frequency, a first enabling means whereby the first identifying means is caused to become operative to ascertain the first character of a particular carrier frequency, a second enabling means made operative by said first identifying means when said first character has been ascertained for enabling said second identifying means to become operative to identify the second character of said carrier frequency, whereby the characters designating said carrier frequency are ascertained successively and automatically.

2,547,618

MANUFACTURE OF FUNCTIONAL DERIVATIVES OF POLYVINYLIC COPOLYMERS

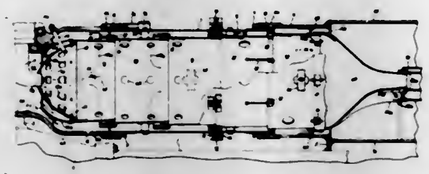
Jean Bisch and Xavier Thiesse, Salindres, France, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, Paris, France, a corporation of France

No Drawing. Application November 1, 1948, Serial No. 57,828. In France November 3, 1947.
2 Claims. (Cl. 260—73)

1. A process for the production of a polyvinyl acetal from a copolymer of polyvinyl chloride and a polyvinyl ester of a lower aliphatic acid at substantially ordinary temperature in an aqueous medium and in absence of added solvent, said process comprising (*a*) a two-stage hydrolysis of the said copolymer by subjecting the same, in a first stage, to the action of an aqueous hydrochloric acid solution of 25 to 36% concentration in such amount that the weight of hydrochloric acid, expressed as anhydrous HCl, is increased to more than 50% of the weight of copolymer, until a homogeneous reaction mass is obtained, and then, in a second stage, diluting the said reaction mass with water until the total weight of water

is equal to about 5 times the weight of the copolymer, and (*b*) the acetalization of the resultant hydrolysis product in the same medium by the action thereon for a period of more than one hour of at least one unsubstituted aliphatic aldehyde.

2,547,619
COMBUSTOR WITH SECTIONAL HOUSING AND LINER
Bruce O. Buckland, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 27, 1948, Serial No. 62,333
6 Claims. (Cl. 60—44)



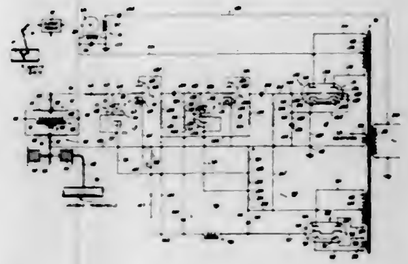
5. In a combustion device of the type described, means for supporting adjacent liner sections in concentric, radially spaced, telescopic relation including a bracket member secured to the outer surface of the inner liner section at a location spaced axially from the forward end of the inner section and having a radially extending portion terminating in an axially extending member defining a key arranged longitudinally of the section, said axially extending key member being spaced radially from the outer surface of the outer liner section, and bracket means secured to the outer surface of the outer liner section and defining a longitudinally disposed keyway adapted to receive the key portion of said first-mentioned bracket with comparatively close circumferential clearances but appreciable radial clearance whereby radial expansion of one liner section relative to the other is freely permitted while concentricity is maintained accurately, the liner sections being at the same time free to slide axially relative to each other for purpose of disassembly.

2,547,620
HOLDER FOR A PACK OF CIGARETTES
Vito Capano, Irvington, N. J.
Application August 5, 1949, Serial No. 108,826
1 Claim. (Cl. 224—26)



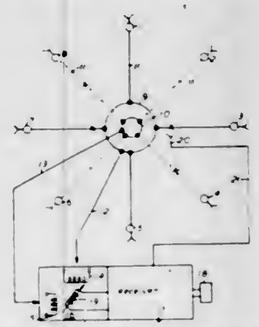
A holder for a pack of cigarettes comprising a bottom wall, a front wall attached to the bottom wall at the front thereof and extending upwardly therefrom, a rear wall attached to the bottom wall at the rear thereof and extending upwardly therefrom, a resilient tongue attached to the top of the rear wall and extending downwardly therefrom, a slot in one side of the rear wall; a strap extending forward from the other side of the rear wall, then sideways across the front wall, then rearwardly and the end of the strap engaged with the slot, said front, rear and bottom walls and the strap defining a seat for a pack of cigarettes, and the strap and front wall defining a means for frictionally engaging the cover of a comb of matches.

2,547,621
ELECTRONIC AMPLIFIER FOR MOTOR CONTROLS
Robert R. Chapman, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 9, 1946, Serial No. 668,362
2 Claims. (Cl. 250—27)



1. An electronic amplifier comprising at least one voltage amplification stage and a discriminator stage, said voltage amplification stage comprising an electronic discharge device having an anode, a cathode, and a control element, said discriminator stage comprising a plurality of electronic discharge devices each comprising an anode, a cathode, and a control element, means for connecting the anode and cathode of said device of said voltage amplification stage in an output circuit with a voltage source, connecting means including a source of alternating voltage for applying alternating voltage to each of the anodes of the devices of said discriminator stage, connecting means for applying to each of the control elements of said discriminator devices a voltage which is determined by a voltage in said output circuit of said voltage amplification stage, said connecting means being so effective to apply said voltages that the phase relationship between the voltages applied to the anode and control element of one of said devices of said discriminator stage is 180° different from that between the voltages applied to the anode and control element of the other of said devices of said discriminator stage, means for applying to the control element of said voltage amplification stage a variable magnitude alternating signal voltage reversible in phase and of such phase relation with respect to said source of alternating voltage that the voltages applied to the control element and anode of one of said devices of said discriminator stage tend to be in phase with each other and the voltages applied to the control element and anode of the other of said devices tend to be 180° out of phase with each other with the result that one or the other of the devices is conductive dependent upon the phase of said signal voltage, and means for limiting the magnitude of the voltage applied to each of said control elements of said discriminator stage regardless of the magnitude of said signal voltage, said last named means comprising an impedance of relatively high value in series with the control element of said voltage amplification stage and a unidirectionally conductive device in parallel with said control element and cathode of said voltage amplification stage and being current conductive in a direction extending between said cathode and control element only when the negative peaks of the control element voltage exceed a predetermined value.

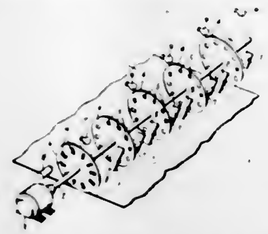
2,547,622
RADIO DIRECTION FINDING SYSTEM
Richard Francis Cleaver, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 27, 1948, Serial No. 11,393
In Great Britain January 10, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 10, 1967
7 Claims. (Cl. 343—113)



1. A radio direction finding system comprising 4N like omnidirectional antennae equally spaced round the circumference of a circle with a spacing less than one wavelength at the operating frequency, N being an integer greater than unity, alternate ones of said antennae constituting a first independently operative array the remaining antennae constituting a second independently operative array, receiver means having two input circuits each coupled to a respective said array, indicating means responsive to said receiver means and yielding an indication related to the direction of propagation of radiant energy received by said arrays, means for coupling alternate ones of the antennae comprised in each array to a respective input circuit in opposite phase sense to the remaining antennae of that array, and the circle diameter being such that the radiation polar diagram is substantially a cosine function of $N\phi$, where ϕ is the azimuth bearing of the radiation.

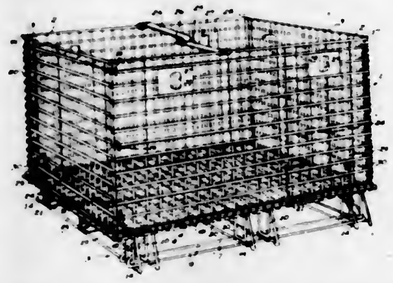
2,547,623
SPOT DETECTOR RECORDER
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 27, 1948, Serial No. 67,474
2 Claims. (Cl. 346—33)

2. A spot detector for continuously moving strip material comprising a source of light, means for causing images of said source of light to sweep continuously across transversely the surface of said moving material on which spots are to be detected, said means comprising two parallel mirrors located on opposite sides of a rapidly rotating disc at approximately a forty-five degree angle with said disc, said light source and said mirrors being arranged so that the image of said source is reflected by one mirror, said disc having a plurality of apertures equally spaced around it and equidistant from the center of rotation of the disc, each said aperture having therein a lens for conducting light from said one mirror to the other mirror, the latter mirror reflecting said image on to the surface of said material, a matte white surface for integrating and diffusing the light reflected from said material, a phototelectric cell responsive to said integrated and diffused light, electron discharge device amplifying means for the output of said photoelectric cell, a single-



pulse multivibrator circuit responsive to the amplified output of said photoelectric cell to energize a marker circuit each time there is a spot on said moving material to cause a mark to be made on said material at a point opposite the location of said spot, and means for preventing spurious operation of said spot detector during the transition periods between sweeps of said continuous sweeps of light, said last-named means comprising a slotted rotating disc and a second photoelectric cell, the slots in said slotted disc being arranged to admit light to the said second photoelectric cell during the said transition periods between sweeps of light.

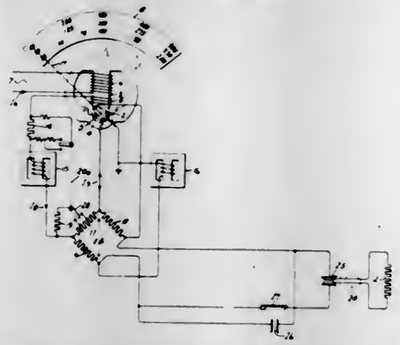
2,547,624
COLLAPSIBLE PALLET TYPE CONTAINER
Burton C. Coit, Jr., Washington, Pa., assignor to Tri-State Engineering Company, Washington, Pa., a corporation of Maryland
Application September 17, 1946, Serial No. 697,507
4 Claims. (Cl. 220—6)



1. A collapsible pallet type container comprising a pallet deck of reticulated form, having a marginal bar along each of two opposite edges, two opposite vertical crate walls each loosely connected to said marginal bars, in position to rest upon the deck when upright, and foldable upon the deck, base bars extending transversely of said marginal bars and to points beyond the adjacent edges of the deck, brace members extending backwardly and upwardly from the bars, at said points, the upper ends of the brace mem-

bers being welded to the edges of the deck, other base bars extending transversely of the first-named base bars and having their ends extended backwardly and upwardly at points adjacent to the two other opposite edges of the deck and secured at their upper ends to the deck, two other oppositely disposed vertical walls, means connecting these other walls in unitary relation with the first-named walls, for folding and unfolding movements relative thereto, and leg members connecting the deck to the base bars.

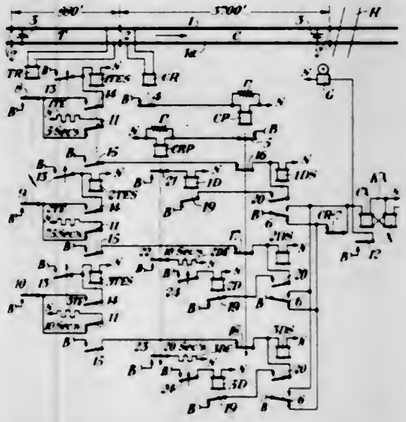
2,547,625
TEMPERATURE MEASURING APPARATUS
Almon J. Corson, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application July 16, 1946, Serial No. 684,035
1 Claim. (Cl. 73—362)



Multiple range measuring apparatus comprising a Wheatstone bridge the arms of which comprise noninductive resistances and one of which varies in response to a variable quantity, a measuring instrument having an armature coil connected across the bridge so as to be energized when the bridge is unbalanced, a magnetic field circuit for said instrument, an alternating current primary exciting winding on said magnetic field, a secondary winding on said magnetic field connected to supply said bridge, whereby both the magnetic field and armature current of the measuring instrument are supplied through said primary coil, reactance means included in the bridge circuit connections between the secondary coil and bridge and between the bridge and armature to cause the armature current to be substantially in phase with the primary exciting current when the bridge is unbalanced in a given direction, means for adjusting the bridge for different selected measurement ranges, and means for varying the relation between the primary exciting current and the current supplied to the bridge.

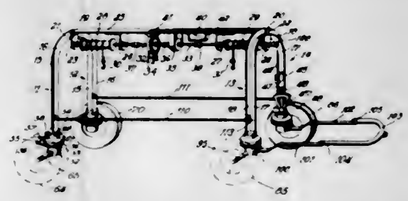
2,547,626
APPARATUS FOR CONTROLLING HIGHWAY CROSSING SIGNALS
Myrl R. Douglass, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 18, 1948, Serial No. 27,637
7 Claims. (Cl. 246—130)

5. In a control system for a highway crossing signal in which a railway track which intersects a highway is divided into a timing section and an operating section arranged so that a train approaching the intersection occupies first the timing section and then the operating section, the combination comprising, a time element contact controlled to become closed upon the lapse of a measured period of time after said timing section becomes occupied, a normally energized slow release relay controlled to become deenergized when said operating section becomes occupied, a second slow release relay controlled by a front contact of said first slow release relay, a signal stick relay, a pickup circuit for said signal stick



relay controlled by said time element contact and by a front contact of said first slow release relay, a stick circuit for said signal stick relay controlled by a back contact of said second slow release relay, a control circuit for said highway crossing signal controlled by a back contact of said signal stick relay if said operating section is clear, and a second control circuit for said highway crossing signal controlled by a front contact of said signal stick relay.

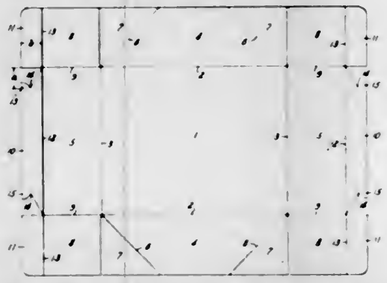
2,547,627
DEVICE FOR HANDLING BURIAL VAULTS
Henry C. Dreischerf, Chicago, Ill.
Application August 31, 1945, Serial No. 613,743
8 Claims. (Cl. 254—136)



4. A carriage for handling burial vaults comprising a generally horizontally disposed carrier member, a plurality of bracketlike extensions carried by said carrier member and downwardly depending therefrom at longitudinally spaced intervals thereof, an arched supporting member disposed at either end of said carrier member, means for pivotally removably mounting each end of said carrier member on its associated arched supporting member substantially at the apex thereof, operating means supported by said bracketlike extensions, said operating means comprising a plurality of longitudinally axially

aligned shaft sections journalled in said extensions, coupling means disposed between adjacent shaft sections, a pulley drum associated with each terminal shaft section, a power drive and brake means, respectively, associated with intermediate shaft sections, said power drive and said brake means being separately mounted on said carrier member.

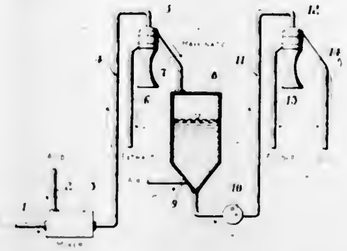
2,547,628
FOLDING CARTON
Ransom C. Ellsworth, Leroy, Ohio, assignor to The Ohio Boxboard Company, Rittman, Ohio, a corporation of Ohio
Application June 2, 1947, Serial No. 751,653
2 Claims. (Cl. 229—33)



1. A folding carton, having a bottom member, side wall members and end wall members extending upwardly from the sides and ends of said bottom member, flaps extending from the lateral edges of said end wall members and lying along the side wall members adjacent to their ends, side wall flanges forming parts of said flaps and arranged to extend laterally inwardly of the carton in substantially normal offstanding relation to the side walls thereof adjacent to at least one of said end walls, and an end wall flange extending from said one end wall longitudinally inwardly of the carton in substantially normal offstanding relation to said end wall, the inwardly extending body of said flange being shorter than said end wall and being provided with means for interlocking engagement with the side wall flanges, said interlocking means including interlocking tabs providing notches spaced from the end edges of the flanges a distance substantially equal to the width of the side wall flanges.

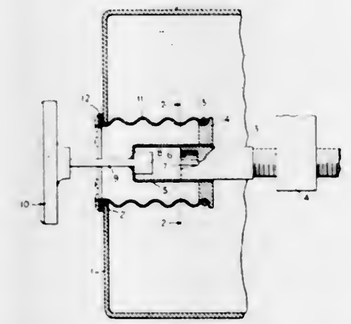
2,547,629
PROCESS OF REFINING MINERAL OILS
Bruno Kuno Engel, Hoglandstorget, and Fredrik Teodor Emanuel Palmqvist, Stockholm, Sweden, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden
Application October 16, 1946, Serial No. 703,518
In Sweden April 1, 1946
9 Claims. (Cl. 196—40)

5. The process of refining lubricating oils, which comprises continuously introducing, in a primary step, fresh concentrated sulphuric acid into a stream of oil to be refined, intimately mixing said oil with said sulphuric acid to extract the more unstable components of the oil, centrifugally separating said mixture into an acid-containing raffinate phase and an extract phase before any noticeable water-yielding chemical reaction between said acid and oil with subsequent re-dissolution of acid reaction products in the raffinate phase has taken place, allowing, in a secondary step, the free acid of the acid-containing raffinate phase to react with the more stable reactive components therein, to produce a



separable acid sludge, and separating said acid sludge from the raffinate phase by centrifuging.

2,547,630
FLUID-TIGHT SHIELD FOR ROTATABLE SHAFTS
Liley A. Evans, Richland, Wash., assignor to General Electric Company, a corporation of New York
Application January 3, 1949, Serial No. 68,993
3 Claims. (Cl. 286—29)

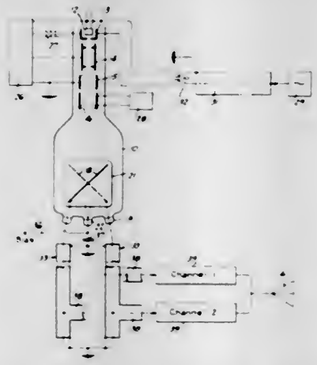


2. In combination, a rotatably adjustable shaft having a non-circular socket formed in one end thereof, a tubular member slidably and rotatably encircling said socket end, a driving member secured within said tubular member external to said socket and having a configuration adapted to fit contiguously against the shaft wall within said socket, an outer enclosing member, an imperforate resilient member surrounding said tubular member and making a fluid-tight connection at one end with said tubular member and making a fluid-tight connection at its other end with said outer enclosing member, said resilient member being extensible and twistable to permit said driving member to be inserted within said socket, and driving means mechanically connected to said tubular member whereby said driving member may be twisted when engaged within said socket to adjust said shaft.

2,547,631
ELECTRON TUBE AND CIRCUIT THEREFOR
William E. Evans, Jr., Sacramento, Calif.
Application February 4, 1949, Serial No. 74,590
5 Claims. (Cl. 332—1)

5. In an electronic system employing phase-to-amplitude modulation, a vacuum tube com-

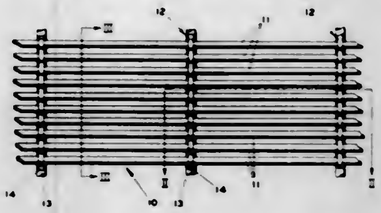
prising means forming an electron beam, a pair of collecting electrodes oppositely inclined to the normal axis of the beam, said beam being proportioned to form two adjacent beam sections for impingement on those portions of both the collecting electrodes which are in the path of the beam at any one instant, a metal shield disposed between the collecting electrodes with its plane parallel to the normal axis of the beam, said shield being interposed between two adjacent sections of the beam which impinge upon the collecting electrodes, a control grid for controlling the intensity of the beam, and deflecting electrodes for effecting lateral deflection of the beam in a plane parallel to said shield, a source of high frequency energy coupled to the control grid to effect high frequency intensity modulation of the beam, a source of modulat-



ing voltage coupled to the deflecting electrodes whereby the beam is deflected laterally in accordance with voltage differences applied to the deflecting electrodes, a pair of high frequency amplifying channels connected to the collecting electrodes, an output load, said channels having their outputs connected in phase opposition to the load, and means for maintaining a positive bias on the shield, modulating voltages applied to said deflecting electrodes serving to deflect the beam to effect a change in phase relationship of high frequency energy supplied by said collecting electrodes to said channels, whereby said channels supply high frequency energy to the load of an intensity dependent upon the magnitude of the modulating voltages.

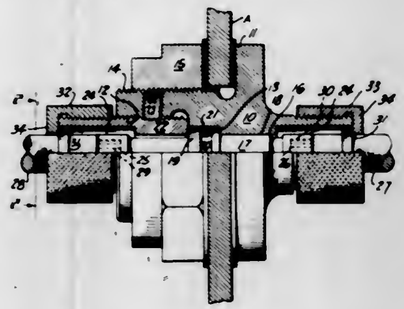
2,547,632
SUN SCREEN WITH PLASTIC WARP
Walkley B. Ewing, Grand Haven, Mich., and John J. Grebe, Oak Ridge, Tenn., assignors to Ewing Development Company, Bay City, Mich., a corporation of Michigan
Application June 7, 1947, Serial No. 753,206
2 Claims. (Cl. 154—46)

1. A sunscreen panel having a plurality of similarly disposed, parallel, metallic louvers of elongated cross-section throughout their lengths and means holding said louvers in selected positions including a plurality of warp members arranged perpendicularly to the longitudinal axes of the louvers, the improvement in said means comprising: a plurality of spaced notches in at least one edge of each louver, the said corresponding notches in the several louvers being vertically aligned with respect to each other; each warp member including a pair of warp threads of resilient, synthetic, organic material opposed to each other on opposite sides of the sunscreen panel and engaging said louvers at the opposite lateral edges thereof, the warp threads on the side of said louvers having the notches being



received thereinto; the longitudinal cross sectional axis of each of said louvers extending transversely between said warp threads, said warp threads contacting each other between each of said louvers, said warp threads adhering to each other by the coalescence of the material thereof.

2,547,633
ROTARY SHAFT SEAL
Annis A. Farhat, West Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application August 27, 1947, Serial No. 770,788
5 Claims. (Cl. 308—36.1)



1. In a seal for hermetically closing the passage of sectional shafting through a supporting member mounted airtightly in an aperture in a partition exposed to differential air pressures on opposite faces thereof, a combined shaft coupling section and aperture-center sealing member, comprising: an elongate, generally cylindrical rod disposed intermediate the shafting sections and passing through said aperture and including a substantially centrally located annular flange adapted to rotate loosely and coaxially of the supporting member and bearing a peripherally extending sealing member conforming longitudinally and radially to the adjacent wall of the supporting member; an enlargement of said rod disposed longitudinally adjacent to, and concentric with, said flange and adapted to tightly contact the wall of said supporting member peripherally so as to maintain said flange centered in said supporting member and to retain the peripheral sealing member on said flange in equal contact with all portions of the wall of said seat, whereby to obviate uneven wear on said sealing member and maintain said coupling shaft centered and running true.

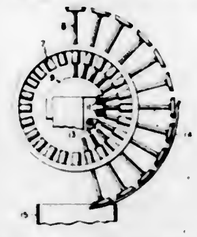
2,547,634
VARYING RATIO DRIVE FOR NONUNIFORM SCALE METERS
Albert J. Faustini, Buffalo, N. Y., assignor to Telechron, Inc., a corporation of Maine
Application May 11, 1950, Serial No. 161,461
1 Claim. (Cl. 74—394)



In a variable ratio drive mechanism adapted to drive an indicating hand relative to an expanded scale, an epicyclic drive train comprising a driving wheel adapted to be driven at a constant speed, a driven wheel adapted to be driven at a varying speed, means responsive to the operation of said driving wheel interconnecting said driven and driving wheels to impart a varying speed to said driven wheel, an indicating hand and means responsive to the operation of said driven wheel for driving said indicating hand, said means interconnecting said driving and driven wheels comprising a pair of shafts in coaxial alignment rotatable relative to one another, means for positioning said driven wheel on one of said shafts, means for positioning said driving wheel on the other of said shafts, a third shaft, means for supporting said third shaft for rotation about said pair of coaxial shafts and about its own axis, means responsive to the rotation of said coaxial shafts for rotating said third shaft about said coaxial shafts, and a pair of planet wheels each secured to and rotatable with said third shaft, one of said planet wheels being in engagement with said driving wheel to provide one gear ratio, the other of said planet wheels being in engagement with said driven wheel to provide a different gear ratio whereby said indicating hand is rotated at a variable speed relative to the uniform speed of said driven wheel.

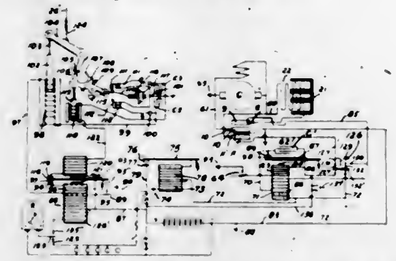
2,547,635
HIGH-FREQUENCY INDUCTION HEATING APPARATUS
Edmon S. Freshwater, Detroit, Mich., Robert C. Muth, Elmhurst, Ill., and Earl W. Cunningham, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 30, 1948, Serial No. 41,635
3 Claims. (Cl. 219—47)

1. Apparatus for heat treating rod-like members comprising, a horizontally disposed rotatable drum having a plurality of spaced openings around the circumference thereof for receiving a rod-like member, positioning means adjustably supported within said drum in fixed position relative thereto and located to be slidably engaged by the end of a rod-like member inserted in one of said openings while in an upper position, said means comprising a substantially circular sector having an axis approximately coincident with the axis of said drum and having a trailing end lying substantially along a horizontal radius of said drum, high frequency heating means positioned adjacent the trailing end of said position-



ing means, and means for rotating said drum whereby as said drum is rotated a rod-like member supported by said drum is adjusted by said positioning means in a desired radial position relative to said heating means and moved substantially vertically adjacent said heating means during the portion of said rotation in which said rod-like member is substantially horizontally disposed.

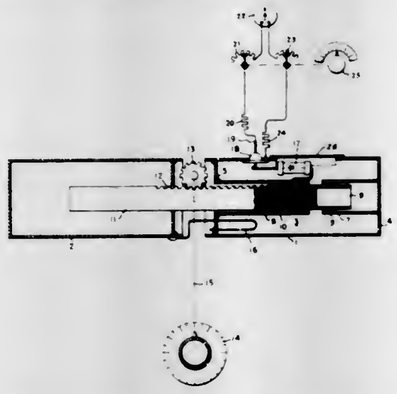
2,547,636
WINDMILL ELECTRIC GENERATING AND STORAGE SYSTEM, INCLUDING CONTROLLING MEANS
Charles Fumagalli, Guatemala City, Guatemala
Application December 11, 1946, Serial No. 715,552
28 Claims. (Cl. 290—44)



1. In a windmill electric generator, a generator and its shaft, a variable propeller having a starting and idling position in which it is adapted to initially drive the generator shaft until generating action of the generator begins, a medium and high speed running position in which it speeds up the generating action of the generator to a predetermined top generating speed, and a plurality of governing positions between the top speed running position and a maximum wind speed position to which the propeller is adjustable from the top speed running position under increasing wind speeds to reduce its efficiency in proportion to increase in wind speeds so as to maintain the predetermined top speed of the propeller regardless of increasing wind speeds and drive the generator at a substantially constant top speed and generating rate, the propeller being reversely adjustable under reduced but high wind speeds in inverse order from its maximum wind speed governing position to said top speed and running position to keep the generator operating under the reduced but high wind speeds at the top speed generating rate, adjusting means adapting the propeller to be adjusted from top

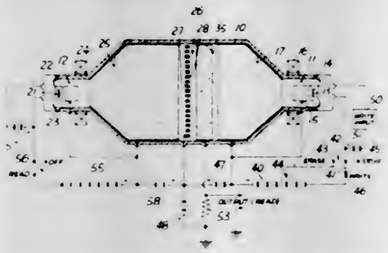
speed and running position to the governing and running positions under increasing wind pressures and reversely under a force opposing the wind pressures, and a force producing means acting on said adjusting means for yieldingly opposing such wind speed adjustments of the propeller and for adjusting it reversely from high to relatively lower wind speed and top speed running and governing positions.

2,547,637
HIGH-FREQUENCY ANTENNA STRUCTURE
Paul C. Gardiner, Scotia, and Charles W. Frick, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 30, 1948, Serial No. 36,016
2 Claims. (Cl. 250—39)



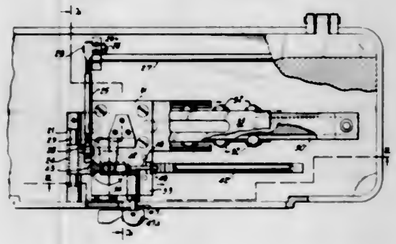
2. High frequency apparatus comprising a wide band dipole antenna with two extended portions, one of said portions comprising internally a cavity resonator, means to excite said resonator with a wave received by said antenna, and means for measuring the strength of oscillations in said resonator.

2,547,638
IMAGE STORAGE TUBE
Bernard C. Gardner, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 18, 1948, Serial No. 66,083
22 Claims. (Cl. 313—89)



1. In an electronic charge storage device, a perforated storage target having an electrically conductive side and a dielectric side, means providing an electron beam for scanning said dielectric side, to produce a charge pattern thereon, and means providing an electron beam to scan said conductive side.

2,547,639
SEWING-MACHINE ATTACHMENT
William T. Gensheimer, New York, N. Y.
Application September 22, 1948, Serial No. 50,490
8 Claims. (Cl. 112—2)



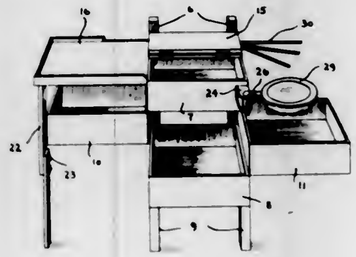
1. A device for spiral sewing on a sewing machine having the usual needle, a base, an oscillating drive shaft and a feed mechanism beneath said base, comprising a casing for the device having vertical supports for supporting the machine base spaced above it, a laterally moving cross-head within said casing, a bracket attached to the cross-head extending forward and upward through the side of the casing around the front edge of the base and having a flat arm extending over the upper surface of the base, carrying a pin movable in alignment with the needle, and means operated by the oscillating arm to move the head away from the needle at a rate inversely proportional to the distance of the pin from the needle.

2,547,640
ISOLATION OF PENICILLIN
Leon Goldman, Nyack, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 17, 1948, Serial No. 15,490
17 Claims. (Cl. 260—302)

1. A process of obtaining substituted ammonium salts of penicillin from aqueous solutions thereof which comprises the steps of preparing an aqueous solution of penicillin having a pH within the range 4.5 to 8.5 and containing from about 5% to 40% by weight of a salting out agent and adding thereto a large stoichiometric excess, based on the penicillin present in said solution, of an organic amine having a dissociation constant of at least 1×10^{-5} while maintaining the pH within the range 4.5 to 8.5, thereafter mixing the aqueous solution containing the resulting substituted ammonium penicillin salt with a water immiscible organic solvent, separating the organic solvent from the aqueous phase and recovering from said organic solvent the substituted ammonium salt of penicillin.

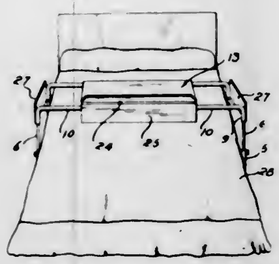
2,547,641
BATH CABINET FOR BABIES
Walter L. Henderson, Marshall, Minn.
Application October 12, 1945, Serial No. 621,976
1 Claim. (Cl. 312—201)

A bath cabinet for a baby comprising a chest including a stationary tray having a top adapted to be opened and closed, a table extending from one side of the tray flush with the top when said top is closed to form an extension of said top for bathing a baby thereon, and a drawer in said chest beneath said tray closed by the tray and pivotally mounted for horizontal swinging out of



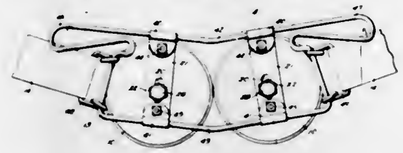
said chest under said table, said tray spacing the drawer when swung under the table below said table for access to the top of the drawer by a person bathing a baby on the table.

2,547,642
ADJUSTABLE BED TABLE
Helen E. Heuser, Detroit, Mich., assignor of one-half to Henri E. Heuser, Detroit, Mich.
Application May 25, 1946, Serial No. 672,289
3 Claims. (Cl. 311—27)



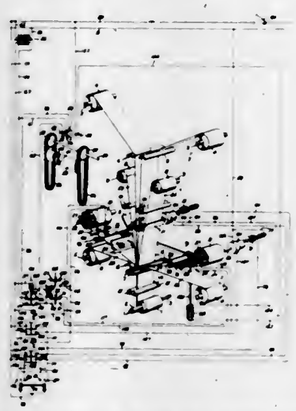
1. A bed table comprising a substantially flat elongated panel of a length less than the width of a bed, a pair of tubular guides fixed to the panel, a pair of substantially L-shaped members associated with each of the guides, the longer legs of said L-shaped members being slidably received in said guides and supporting laterally projecting fasteners, said guides having longitudinal slots receiving said fasteners, tubular extensions detachably secured to the shorter legs of said L-shaped members and having a plurality of longitudinally spaced apertures, a pair of U-shaped supports having terminal sockets slidably receiving the extensions, locking members removably carried by said supports and positionable in selected of the apertures in said extensions for vertical adjustment of the panel, forward and rear skirt forming members secured to and depending from the panel, and side skirt forming members fixed to the shorter legs of said L-shaped members abutting the ends of said forward and rear skirt forming members when the L-shaped members are in contracted position and forming article racks when the L-shaped members are in extended position.

2,547,643
SUPPORTING TRUSS FOR RUPTURES
Andy H. Hinkle, Atlanta, Ga.
Application January 7, 1948, Serial No. 902
3 Claims. (Cl. 128—102)



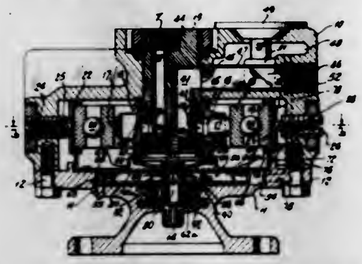
1. In a truss support, the combination which comprises a frame having two spaced upper and lower bars with the bars inclined upwardly from the center of the frame toward the outer ends and with the ends of the upper bar extended beyond the ends of the lower bar, the ends of said lower bar being extended upwardly and sloping inwardly and connected at their upper ends by loops through the extended ends of the upper bar, and spaced spring bands positioned intermediate of the ends of the bars with the upper ends of the bands adjustably mounted on the upper bar and the lower ends thereof adjustably mounted on the lower bar, said bands having elongated pad retaining slots therein.

2,547,644
METHOD AND APPARATUS FOR INSERTION OF TAP STRAPS IN CAPACITORS
Alfred L. Hogue, Edwin A. Raney, James A. Young, and Lewis R. Runaldue, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application March 31, 1948, Serial No. 18,104
13 Claims. (Cl. 242—56)



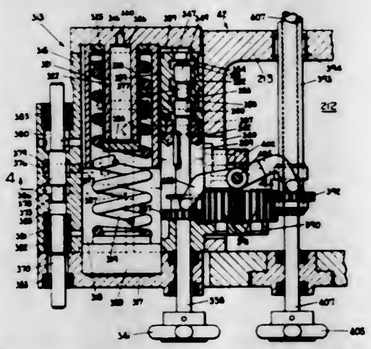
1. In the process of winding capacitors having provision for moving adjacent strips of dielectric and conducting material along spaced path to winding means, the method of inserting a conducting tap strap therein which comprises the step of inserting a single piece of mounting material having a conducting tap strap affixed to a surface and projecting beyond an edge thereof between said moving and adjacent strips of dielectric and conducting material so that said mounting material with said tap strap will be seized by said moving adjacent strips and wound therebetween by said winding means.

2,547,645
HYDRAULIC PUMP
Roger F. Horton, Hempstead, N. Y., assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 15, 1945, Serial No. 628,942
20 Claims. (Cl. 103—4)



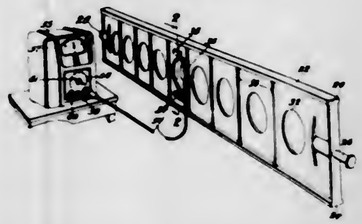
1. A power translating device comprising, in combination, a housing having liquid inlet and discharge passages therein, liquid displacement power conversion elements in said housing for transferring liquid from said inlet to said discharge passage, said housing defining a reservoir therein communicating with said inlet passage, said housing defining a sump below said elements, a liquid return passage interconnecting said sump and said reservoir, and additional pumping elements in said housing for transferring liquid from said sump to said liquid return passage.

2,547,646
MINING MACHINE CONTROL VALVE
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 12, 1946, Serial No. 676,200, which is a division of application Serial No. 586,979, April 6, 1945. Divided and this application October 1, 1948, Serial No. 52,234
11 Claims. (Cl. 60—97)



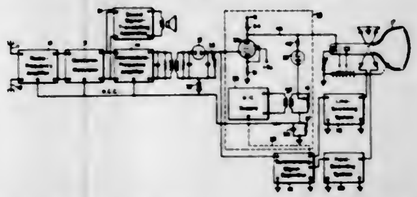
1. Hydraulic control mechanism including a spool type hydraulic valve having a longitudinally shiftable spool operable to control a flow of hydraulic fluid, a control shaft connected to said spool having an operator's handle shiftable rectilinearly to operate said valve to control said hydraulic fluid flow, a balanced variable pressure relief valve operable to control the pressure of the hydraulic fluid controlled by said spool valve, and means operated by rotation of said shaft and operator's handle to adjust the balanced pressure of said relief valve.

2,547,647
STRAIGHTEDGE
George N. Levesque, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application February 15, 1946, Serial No. 647,923
8 Claims. (Cl. 33—75)



7. The method of gauging the error in straightness of a surface by employing a straight edge having opposite straight edge gauging surfaces and equipped with strain sensitive means for gauging strains set up in the straight edge by out-of-line distortion of the straight edge and visual inspection means to indicate the degree of said distortion, which method comprises the steps of locating the straight edge with one edge in contact with a surface to be gauged, adjusting said visual inspection means to zero, locating the straight edge with the other edge against the surface to be gauged and thus obtaining a reading of the visual inspection means which is proportional to the error in the surface being gauged.

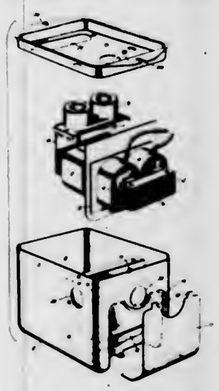
2,547,648
AUTOMATIC CONTRAST CONTROL SYSTEM FOR TELEVISION APPARATUS
Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 643,287, January 25, 1946. This application October 8, 1949, Serial No. 120,404
18 Claims. (Cl. 178—7.5)



8. A system for automatically controlling an operating characteristic of a television apparatus while translating video signals of variable maximum amplitude which include a direct-current component and recurrent reference components representing for each signal an amplitude level at least equal to the greatest amplitude level of that signal utilized in transmitting video information comprising: a direct-current vacuum-tube amplifier arranged faithfully to translate said video signal including said direct-current components and said recurrent reference components thereof and having an input circuit and a load impedance; means for applying said signals to said input circuit with such polarity that potential variations of said impedance resulting from the translation of said reference components are in a negative direction; a unidirectional rectifier having a cathode and an anode;

an integrating load circuit for said rectifier having two terminals one of which is maintained at a fixed reference potential; a potential supply for providing an alternating potential of adjustable peak amplitude; and circuit connections completing a direct-current circuit including in series at least a portion of said load impedance, said rectifier, said load circuit and said potential supply and in which said rectifier cathode is coupled to said impedance and said rectifier anode is coupled to the other terminal of said load circuit; the frequency and peak value of the potential applied to said series circuit by said potential supply being so selected that the net potential applied to said rectifier causes current flow in said circuit only during the translation of said reference components of said video signals.

2,547,649
ELECTRIC INDUCTION APPARATUS
Myrle O. Marsh, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 8, 1948, Serial No. 64,212
1 Claim. (Cl. 175—356)



Encasing means for electric apparatus, comprising a substantially rectangular-shaped outer casing member having an open side, a pan-shaped cover fitting within said open side of said outer casing member, a partition having dimensions which conform to the interior dimensions of said outer casing member, said partition being mounted within said casing member and secured thereto, said partition dividing the interior of said casing member into two main volumes, an electric induction device mounted within one of said main volumes, said electric induction device comprising a magnetic core, portions of said core having primary and secondary windings mounted thereon, a radio frequency shield separating said primary and secondary windings, said partition having a central pocket which receives one end of said core, a channel-shaped bracket mounted on the other end of said magnetic core, a high voltage bushing mounted on said bracket, said bushing accommodating conductive leads from said secondary windings, said bracket being secured to said outer casing, said cover having a slotted portion, said bushing fitting within said slotted portion and providing means for achieving electrical connections to the external circuit, said pan-shaped cover being secured to said bracket and said partition, the second of said main volumes containing conductive leads from said primary windings, a portion of said outer casing member enclosing said second main volume having a cut-away portion, and a cover secured to said outer casing member for enclosing said cut-away portion.

2,547,650
CONDUCTANCE METER
William A. McCool, Hyattsville, Md., assignor to Boonton Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application October 12, 1948, Serial No. 54,118
7 Claims. (Cl. 175—183)



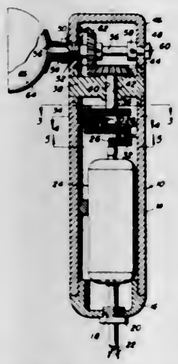
1. In a device for measuring radio frequency impedance, a tunable radio frequency circuit comprising an inductor and a tuning capacitor in parallel, a source of radio frequency energy coupled to said radio frequency circuit, an adjustable conductance connected across said radio frequency circuit and comprising a diode in series with resistance means of adjustable magnitude, a radio frequency capacitance bypassing said resistance means, indicating means responsive to the radio frequency voltage across said radio frequency circuit, a pair of measuring terminals connected to the opposite ends of said radio frequency circuit, and a scale adjacent said resistance means calibrated in values of change in the total radio frequency conductance of said diode and resistance means with changes in the magnitude of said resistance means.

4. In a device for measuring radio frequency impedance, the invention as recited in claim 1, wherein said indicating means includes an electronic comparator circuit comprising a pair of vacuum tubes each having a control grid and plate cooperating with a cathode, load impedances connected between the plate and cathode of the respective tubes, a direct current measuring instrument connected between said load impedances, means including a rectifier connected across said radio frequency circuit for impressing upon the grid of one tube a direct current voltage varying with the radio frequency voltage across said radio frequency circuit, and means for impressing upon the grid of the other tube a direct current voltage of adjustable magnitude.

2,547,651
ICE CREAM DIPPER
Robert T. McCrum, Hawthorne, Calif.
Application December 17, 1947, Serial No. 792,211
1 Claim. (Cl. 107—48)

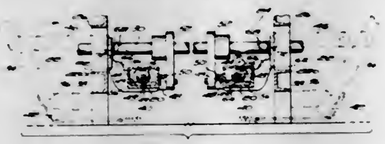
An ice cream dipper comprising a tubular body having an open forward end, supporting bars within the body at its open end, a speed reduction gear train supported on said bars, an electric motor within the body and operatively connected to said gear train, a cap, an end wall joining the cap to the open end of said body and closing the open end of said body, said cap being removable from said body for access to said gear train, said end wall having a central opening, a shaft rotatably mounted in said central opening and including forward and rear ends, a driven shaft rotatably supported by said cap and disposed at right angles to said first

named shaft, one end of said driven shaft projecting outwardly from the cap, a cup mounted on the outwardly projecting end of said driven shaft, a beveled gear on the forward end of said first mentioned shaft and located within the cap,



another beveled gear on the driven shaft located within the cap and meshing with the first named beveled gear, and a gear on the rear end of said first mentioned shaft meshing with said gear train.

2,547,652
PICKER SHAFT SUPPORTING MEANS
Adolph Millette, Central Falls, R. I.
Application September 1, 1948, Serial No. 47,238
16 Claims. (Cl. 139—147)



1. In a picker motion for a loom having a frame having end walls, a main drive shaft extending longitudinally of said loom mounted on said end walls, a picker stick for each end of the loom, having means to urge its lower end to its innermost position, a picker shaft extending transversely of each end of the loom immediately adjacent each end wall, each having an actuating arm projecting upwardly therefrom connectable to a lug strap connected to a picker stick and having a shoe rigidly mounted thereon having an upper forwardly and downwardly inclined arcuate cam surface projecting inwardly thereof adapted to be abutted by a picker arm to be oscillated inwardly on each rotation of said drive shaft, said picker shaft having a plurality of flat sides, and brackets projecting inwardly from the front and rear of each frame end wall for supporting the ends of each picker shaft, a central supporting bracket for each picker shaft substantially adjacent each shoe, comprising a generally rectangular housing, having an open top, a supporting arm projecting upwardly and outwardly centrally therefrom, having a single bolt hole therein and having downwardly bowed cutaway portions centrally of the upper portion of each end wall thereof to receive the picker shaft therethrough, adapted to contain liquid lubricant in use therein to within a spaced distance below the lower ends of the open portions and a central, partially spherical socket raised from the upper surface of the lower wall thereof, a floating semi-cylindrical bearing member for each picker shaft, having end walls and a cooperating partially spherical protuberance projecting downwardly substantially centrally of the lower wall thereof, fitting into said partially spherical socket to permit a slight universal tilting of said bearing member, said end walls also having downwardly bowed cutaway portions centrally of the upper ends thereof to receive the picker shaft therein, a supplemental semi-cylindrical bearing member of a length substantially the distance between said end walls contained within the hollow upper surface of said cylindrical bearing member, having an upper surface comprising broken lines forming a transverse socket shaped to receive the flat sides of the lower portion of the picker shaft therein and a centrally split cylindrical washer for each end of said picker shaft within the housing exterior of said floating bearing member and adjacent the end wall to dam the flow of lubricant therebetween, having a reduced portion projecting outwardly therefrom through the open portion of each housing end wall, means to clamp said split reduced portions together around said picker shaft, and a bucket member having a side wall thereof attached to the inner wall of each washer, having an open end facing in a vertical position in the direction of rotative movement of its picker shaft when oscillated by its picker arm to splash lubricant upwardly and outwardly over said bearing members, an arcuate chute mounted on said inner wall at a slightly spaced distance from the end of each bucket, a cover for said housing, having lubricant deflecting strips projecting downwardly transversely thereof in V shaped formation, with the tip of the V substantially centrally thereof and the body of the V substantially above the end of the chute at the end of its stroke and single bolt means to tiltably adjustably mount the arm of each bearing bracket on its loom end frame.

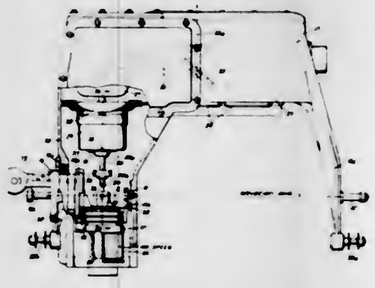
2,547,653
FLUID FOR USE IN CONTACT WITH THE HUMAN EYEBALL
Bradford R. Minnis and James H. Conover, Chicago, Ill.
No Drawing. Application March 10, 1948, Serial No. 14,147
10 Claims. (Cl. 167—59)

1. A clear aqueous solution having approximately the same osmotic pressure as the natural fluids of the human eye which comprises ingredients normally used to produce isotonic solutions and at least about 2 parts per million parts of solution of alkali metal phosphate selected from the group of the metaphosphates, the pyrophosphates and the polyphosphates.

2,547,654
RESOLVER FOR GUN SIGHT
John R. Moore, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 28, 1943, Serial No. 492,518
9 Claims. (Cl. 33—49)

1. A resolving mechanism comprising a first base rotatable about a predetermined axis, a second base mounted on said first base for rotation relatively to said first base about a predetermined axis, means for adjusting said bases relative to each other about their axes of rotation, a resolver bar, a mount for said bar connecting it with said second base and providing for relative

angular motion of said bar and said base in a conical path about the mount as a center, means for adjusting the position of said mount radially with reference to the axis of rotation of said second base in a plane at right angles to said axis, a control member, a mount for said control member connecting it to said first base for relative pivotal movement about a fixed axis extending at right angles to and intersecting said axis of rotation of said first base, a universal joint connecting said resolver bar and control member providing for relative angular motion between them, and



means for adjusting said universal joint lengthwise of said bar and control member but in a direction parallel to said control member, the angular relation of said bar and control member depending upon the relative angular positions of said bases on their axes of rotation, the radial position of said mount with relation to said axis of rotation of said second base, the relative angular positions of said control member and said first base, and further upon the adjustment of said universal joint lengthwise of said control member.

2,547,655
CASTING ROD HANDLE
Pearle H. Mullins, Canton, Ohio
Application April 30, 1948, Serial No. 24,262
2 Claims. (Cl. 43—23)



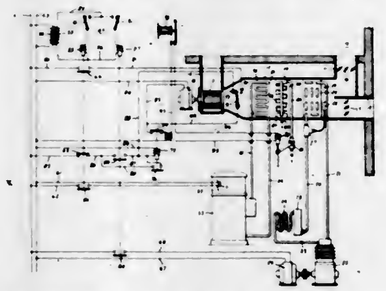
1. A casting rod handle comprising an elongated channel-shaped frame having forward and rear ends, a socket at the rear end of said frame, a hand grip having one end fixed in said socket, a finger grip depending from said frame, fastening means carried by the frame for retaining a reel in said frame, a forwardly and upwardly inclined guide plate integrally formed with the forward end of said frame, said guide plate having an enlarged upper end portion, the upper end portion of said guide plate having an elongated substantially horizontal guide slot therein disposed transversely of and parallel to said frame, and a frusto-conical, rod-receiving, socket member having its major end fixed to said guide plate, said socket member being disposed above said guide slot, said slot being of a length considerably greater than the width of said frame.

2,547,656
HYDRAULIC HOLD-DOWN
Frederick E. Munschauer, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y.
Application May 27, 1948, Serial No. 29,508
20 Claims. (Cl. 164—52)



1. A hold-down for shears and like machines, said hold-down comprising a rigid support, hydraulic pressure actuated hold-down means supported thereby, a pressure conduit for energizing said pressure actuated hold-down means by application of hydraulic pressure thereto, a continuously operating pressure generator in free continuous communication with said pressure conduit, a normally open relief conduit between said pressure generator and said pressure conduit to relieve the pressure conduit, valve means in said relief conduit closable to prevent flow therein and thus cause the pressure generator to act directly against the pressure conduit to activate the hold-down means, and means operable in timed relation with the operation of the machine proper for automatically closing and opening said valve at predetermined points in the cycle of operation of the machine.

2,547,657
THERMOSTATIC SELECTIVE HEATING, COOLING, AND CIRCULATING INTERLOCKING CONTROL SYSTEM
Ronald W. Olsen, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application October 30, 1947, Serial No. 783,054
6 Claims. (Cl. 257—3)



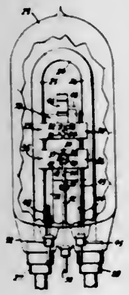
1. An electric control for a heating, cooling and circulating system having in combination a heating circuit, a cooling circuit, thermostatic switching means selectively to close and open said circuits intermittently upon corresponding temperature variations, a circulation circuit having interlocking switching means to close said circulation circuit upon closure of said heating and cooling circuits, and circuit control means including a self-holding electroresponsive switching device controlled by said thermostatic switching means to maintain said circulation circuit closed after closure of said cooling circuit until a subsequent closure of said heating circuit.

2,547,658
ELECTRIC SWITCH CONTACT
Arthur Palme and Cyril H. Hannon, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application February 24, 1947, Serial No. 730,240
3 Claims. (Cl. 200—166)



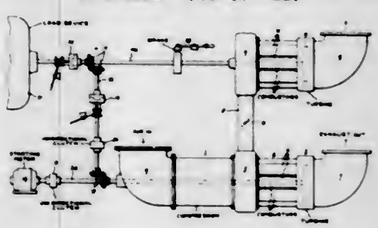
1. In an electric switch for operation submerged in hot mineral oil containing traces of sulphur, a plurality of insulated fixed contact members normally subjected to a potential difference, and a movable contact member for selectively and slidably engaging said fixed contact members at pressures of 40 to 70 pounds, the surfaces of said fixed contact members which are engaged by said movable contact member having a gold coating, the surface of said movable contact member which engages said fixed contact members having a rhodium coating.

2,547,659
GRID CONTROLLED MAGNETRON APPARATUS FOR FREQUENCY CONTROLLABLE SYSTEMS
Philip H. Peters, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1947, Serial No. 746,574
6 Claims. (Cl. 315—39)



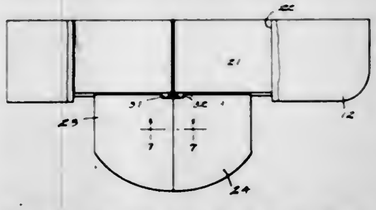
1. Electrical apparatus of the magnetron type for generating frequency controllable electromagnetic oscillations comprising, an oscillatory circuit, anode-cathode means connected in energy exchanging relationship to said circuit for maintaining a rotating space charge of the magnetron type for generating said oscillations in said circuit, second anode-cathode means connected in impedance controlling relationship to said circuit for maintaining a second rotating space charge of the magnetron type having variable reactance characteristics, an electrostatic control member positioned within said second anode-cathode means, said control member comprising a substantially cylindrical member extending longitudinally to said chamber and having therein an opening in which the cathode of said anode-cathode means is positioned.

2,547,660
GAS TURBINE POWER PLANT
David C. Prince, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 29, 1949, Serial No. 124,411
3 Claims. (Cl. 60—41)



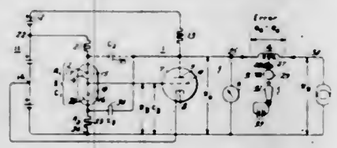
1. In a gas turbine power plant of the type having a first turbine driving a compressor and a second turbine adapted to be coupled to a load device, the combination of separate first and second combustion systems for supplying hot motive fluid to the respective turbines, means for supplying air from the compressor to said separate combustion systems in parallel, shut-off valve means for stopping the flow of air to the load turbine combustion system, starting means for bringing the compressor rotor up to firing speed, load clutch means operable at will for connecting the load turbine to the load device, and power transmission means including a unidirectional clutch for transmitting torque only from the load turbine rotor to the compressor rotor, whereby the starting means may bring only the compressor rotor up to firing speed with the load clutch disengaged and said valve closed, the unidirectional clutch slipping to permit the load turbine rotor to remain at rest, after which the valve may be opened to admit air to the second combustion system so the load turbine can furnish torque through the unidirectional clutch to the compressor rotor to help bring the latter up to full rated speed, after which the valve may be closed, the load clutch engaged, and said air valve adjusted to effect development of power by the second turbine as required by the load device.

2,547,661
KITCHEN TABLE
Oliver G. Reese, Palmyra, Pa.
Application September 19, 1947, Serial No. 774,961
1 Claim. (Cl. 312—324)



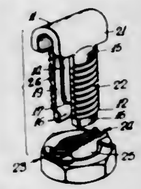
A combined cabinet and extensible table comprising a base, a horizontally disposed top carried by said base, a horizontally disposed wall spaced downwardly from said top to provide a space therebetween, a vertical column disposed centrally at the front of said base, a door disposed on opposite sides of said column, hinge means hingedly securing the adjacent inner edges of said doors to said column for outward swinging toward each other to open position, a pair of oppositely disposed table members slidably disposed upon the top surface of said horizontal wall, each of said table members being formed with right angularly related straight forward and side edges, the other side edge of each being arcuate to permit free movement thereof, means securing a forward edge of each of said table members to the upper end of each of said doors, the straight side edge of each table member being provided with a cut-away portion adjacent each forward edge and extending beyond the inner edge of the door to which it is secured so that the table members will be disposed completely within said space between said top and said horizontal wall when said doors are closed and will be extended to operative position when said doors are swung outwardly to open position with the straight side edges of said table members being forward on the outer edge of said horizontal walls and the front edges thereof positioned in abutting relation.

2,547,662
FEED-BACK CIRCUIT
Theodore A. Rich and John E. Bigelow, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application April 26, 1949, Serial No. 89,676
2 Claims. (Cl. 250—209)



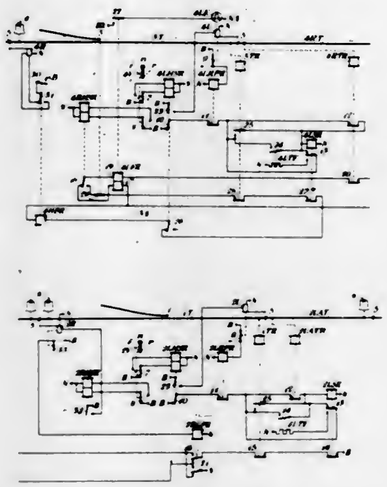
1. In a closed-cycle photoelectric servo system, the combination of a direct coupled amplifier having input and output terminals, an electron discharge device having an anode and a photosensitive cathode, a resistor connected in series with said discharge device across said input terminals, and a capacitor connected in series with said resistor across said output terminals, whereby negative feedback voltage is applied across said resistor at frequencies above a value determined by the time constant of said resistor and capacitor, thereby preventing oscillation of the system.

2,547,663
EMBOSSED SHEET METAL SERVICE CONNECTOR
Julian Rogoff, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application September 21, 1946, Serial No. 698,520
2 Claims. (Cl. 24—126)



1. In a service connector having a split-bolt, a nut and a follower: said split-bolt comprising a single piece of sheet metal having a head section and a pair of extending legs having free ends, the inside surface of each of said legs having an embossed area in the shape of a trough, and a flat unembossed area extending laterally on each side of the trough and across the trough at the free end, said flat unembossed area constituting supporting surfaces and reinforcing the trough, and said embossed area having threads on the outer surface thereof adapted to receive the nut.

2,547,664
RAILWAY SIGNAL LIGHTING CONTROL APPARATUS
Otto W. Rost, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 2, 1949, Serial No. 79,167
10 Claims. (Cl. 246—46)



5. A lighting control arrangement for a given signal which is controlled to govern traffic movements in a given direction over a given stretch of railway track which is also provided with an opposing signal located in advance of said given signal for governing traffic movements in the opposite direction over said given stretch of railway track, in which said opposing signal is controlled by traffic conditions in the rear of said given signal and also by traffic conditions between said signals, comprising, in combination, manually controllable means for at times lighting said given signal in response to traffic conditions in the rear of said given signal and for at other times lighting said given signal in response to said traffic conditions between said signals.

2,547,665
EXPANDED SCALE DIRECT-CURRENT MEASURING INSTRUMENT WITH POLARIZED CORE
Ralph M. Rowell, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 9, 1948, Serial No. 31,963
3 Claims. (Cl. 171—95)

1. A direct current electrical measuring instrument, comprising a stationary field magnet con-

taining an armature air gap and magnetized to produce a unidirectional flux across said air gap, a circular core member within the air gap and spaced from the pole faces of the stationary magnet and producing a uniform circular air gap between the field magnet and core member, an armature coil mounted for rotation between the



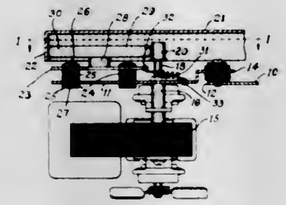
core and stationary magnet, said core containing permanent magnet material polarized to produce a predominately contributing flux in the armature air gap at an angle to the flux produced by the field magnet in such gap for the purpose of modifying the deflection characteristics of the instrument.

2,547,666

IDLER WHEEL MOUNTING FOR PHONOGRAPH TURNTABLE DRIVES

Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio

Application June 11, 1945, Serial No. 598,889
9 Claims. (Cl. 74—209)



1. In a phonograph, the combination of a supporting plate, a motor carried by the plate, a driving means upon the motor, a turntable provided with a peripheral rim flange, an idler plate, a plurality of spaced distortable means connected to the supporting plate and the idler plate mounting the idler plate upon the supporting plate independently of the driving means and the turntable in spaced relation to the supporting plate, said distortable means being the only supporting means for the idler plate, an idler wheel journalled upon the idler plate and means for moving the idler plate to hold the idler wheel in contact with the driving means and with the turntable rim flange.

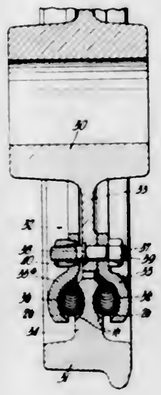
2,547,667

RESILIENT WHEEL FOR RAIL CARS

Arthur R. Schulze, Johnstown, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application October 27, 1948, Serial No. 56,830
15 Claims. (Cl. 295—14)

1. A wheel for rail cars comprising a rim, a hub, a web on the rim extending toward the hub, a web extending from the hub toward the rim and resilient means bridging the gap between the webs including at least one pair of helical springs, one on each side of one of said webs disposed substantially circumferentially of the rim, and a pair of clamping discs supported by the other web engaging said springs sidewise,



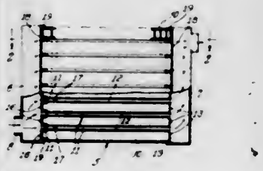
said one of said webs and said discs engaging the turns of the springs only at the sides.

2,547,668

HEAT EXCHANGER

Clyde S. Simpelaar, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application April 24, 1946, Serial No. 664,544
1 Claim. (Cl. 257—245)



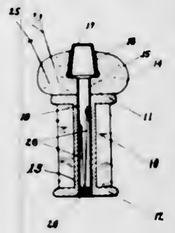
In a heat exchanger, a plurality of spaced finned fluid passes, each comprising a series of channel-shaped fin elements having substantially parallel side walls, formed with offset edge portions, connected to an intermediate wall, said fin elements being interlocked with the offset edge portions of each element overlapping the side walls of the next adjacent element and bonded thereto to form an integral fluid pass, the heat transfer walls of which are composed of the respective side walls of the individual elements, each of said heat transfer walls lying substantially in a single plane extending substantially parallel to the plane of the other heat transfer wall, with said walls being connected by a plurality of longitudinally extending fins, marginal spacing members between and bonded to adjacent fluid passes at the sides of the core to form passages between adjacent finned passes, an inlet header communicating with said passages at one end of the structure, and an outlet header communicating with said passages at the other end of said structure, said headers being bonded to the structure.

2,547,669

PINCUSHION AND IMPLEMENT HOLDER

Anne Siren, deceased, late of Haverford, Pa., by Layha Siren Geist administratrix, Haverford, Pa.

Substituted for abandoned application Serial No. 719,684, January 2, 1947. This application April 30, 1948, Serial No. 24,360
2 Claims. (Cl. 223—108)



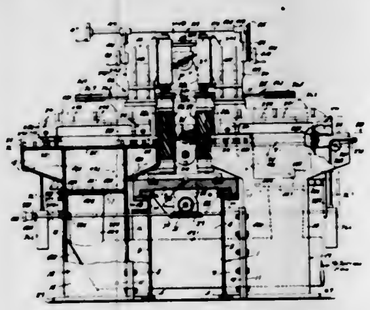
1. A pin and needle holder for use with a spool comprising a cushion having a central opening, a tube secured in said opening and adapted to extend into the spool opening, said cushion having an undercut recess extending thereinto communicating with the central opening and adapted to receive a thimble, and means for closing the end of the cushion tube remote from the cushion.

2,547,670

PROFILING MACHINE

Claude M. Skinner, Ellicott City, Md., assignor to Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md., a corporation of Delaware

Application August 23, 1944, Serial No. 550,795
20 Claims. (Cl. 90—13.4)



1. In a machine for shaping aircraft propeller blades from work blanks in accordance with the contour of a master model of the blade, an elongated bed, longitudinal ways thereon, a table slidably mounted on said ways, a stock at opposite ends of the table, means carried by each stock for supporting one end of the blank and model in vertical spaced relation and in longitudinal alignment with said ways, transverse ways on the bed and lying in a horizontal plane coinciding with the longitudinal axis of the blank, a tool support movably mounted on the transverse ways, a cylindrical cutter mounted for rotation about a vertical axis on the tool support and adapted to engage the blank, said cutter extending equidistant above and below said plane of the transverse ways, a cylindrical follower mounted on the tool support for free rotation about an axis parallel with the cutter axis and adapted to engage the model, a motor carried by the tool support for driving the cutter, and means normally urging the tool support toward the blank and model.

2,547,671

FIRE-RESISTANT ARTICLE, METHOD OF MAKING, AND IMPREGNANT THEREFOR

Morris J. Sostmann and Irwin L. Phillips, Philadelphia, Pa., assignors to Philadelphia Textile Finishers, Inc., Norristown, Pa., a corporation of Delaware

No Drawing. Application October 13, 1945, Serial No. 622,234
3 Claims. (Cl. 252—8.1)

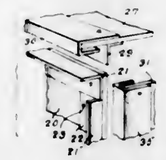
1. A composition for rendering combustible materials fire-resistant, said composition being the product obtained by refluxing one part by weight of antimony trioxide with two parts by weight of acetic anhydride until the oxide is completely dissolved.

2,547,672

KNOCKDOWN FRUIT BOX

John Spanjer, Ephrata, Wash.

Application January 26, 1949, Serial No. 72,791
2 Claims. (Cl. 217—12)



1. A collapsible case comprising a first rectangular end member, an angle iron arranged contiguous to and parallel with each of the edges of said end member and secured to the latter, a second rectangular end member arranged in spaced, parallel relation with respect to said first end member, an angle iron arranged contiguous to and parallel with the upper and lower edges of said second end member and secured thereto, a hinge section arranged contiguous to and parallel with each side edge of said second end member and secured thereto, a top wall and a bottom wall arranged in spaced, parallel relation with respect to each other and extending between said end members, a transversely-extending angle iron spaced from each end of said top and bottom walls and abutting said end members, a transversely-extending elongated hook member secured to each end of said top and bottom walls for slidably receiving and holding therein the complemental angle irons on said end members, a pair of spaced, parallel side members arranged at right angles with respect to said top and bottom walls and extending between said end members, a horizontally-extending elongated hook member secured to an end of each of the side members for slidably receiving and holding therein the angle irons arranged along the side edges of said first end member, a hinge section secured to the other end of each of said side members, and means detachably connecting the hinge section on said second end member to the hinge section of said side member.

2,547,673
TICKET HOLDER
Massis N. Thomason, Belmont, Mass., assignor to Russell E. Maintain, Boston, Mass.
Application October 26, 1948, Serial No. 56,480
2 Claims. (Cl. 40—10)



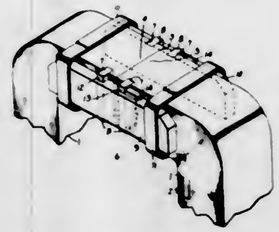
1. A holding device in combination with a ticket, said holding device comprising a back portion having a substantially flat face surface and beads at the top and bottom extending forwardly of said back portion and then rearwardly directly towards said back portion until the inner edge extremities thereof are adjacent to and spaced from said back portion, said spaces being sufficiently great to permit insertion of said ticket flatwise on said face surface, said back portion having projections at the top and bottom and spaced laterally apart extending forwardly to points directly opposite and closer to said edge extremities than adjoining portions of said back portion whereby said ticket cannot pass between said projections and said edge extremities flatwise, the height of said ticket not exceeding the distance between the top and bottom of said beads.

2,547,674
STENCIL
Frederic S. Tobey, Canton, Mass., assignor, by mesne assignments, to W. H. Brady Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 12, 1946, Serial No. 676,303
2 Claims. (Cl. 101—127)



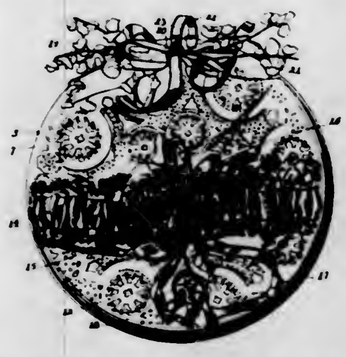
1. As a new article of manufacture, a flexible stencil for producing "pin stripe" designs, said stencil comprising a backing sheet and a high tensile strength body sheet, said body sheet having a pressure sensitive adhesive coating normally adherently holding it in face-to-face contact with said backing sheet, said coating being adapted to hold said body sheet to a base surface after said backing sheet is removed, and said body sheet also having outer and inner spaced cut lines defining a cut-out portion of a design to be applied to said base surface, said cut-out portion likewise having a cut line spaced inwardly from its edge dividing said cut-out portion into a central portion and a narrow "pin stripe" border portion separable therefrom, said central and border portions being adapted to be together or separately and selectively removed and replaced in their original positions in said body sheet in the use of the stencil.

2,547,675
MAGNETIC CORE
Edward D. Treanor, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 1, 1949, Serial No. 119,149
3 Claims. (Cl. 175—21)



1. A magnetic core comprising flatwise curved laminations of magnetic strip material, a joint in said core for the separation of all of said laminations for the assembly of a coil upon said core, said core including slotted keyways on at least one side thereof adjacent to each side of said joint, keys for said keyways in assembled relation with and protruding from said keyways, a side plate, fastening means for rigidly attaching said side plate in assembled relationship with said side of said core, said side plate including keyways for the reception of the protruding portions of said keys, one of said side plate keyways including a wedge-shaped portion on the opposite side of its cooperating key from said joint and a wedge within said wedge-shaped portion for tightly closing said joint.

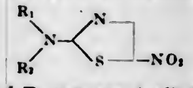
2,547,676
GIFT PACKAGE
Neileen M. T. Updike, Philadelphia, Pa.
Application January 17, 1950, Serial No. 139,020
4 Claims. (Cl. 206—44)



1. As an article of manufacture, a gift package comprising a receptacle including a detachable transparent closure, means to temporarily hold said closure in place, a bouquet of artificial lilies-of-the-valley tied with a bow of white ribbon to the exterior of the closure, a portion of said bow ribbon folded into a hanger loop, and a blue leg garter having a bow of ribbon thereon to which is attached a coin in pendant fashion, said garter being removably fastened within the receptacle.

2,547,677
TURKEY BLACKHEAD CONTROL COMPOSITION
Emanuel Waletzky, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 2, 1949, Serial No. 102,926
5 Claims. (Cl. 167—53.1)

1. A medicated poultry and animal feed containing the elements of turkey sustenance and compounds of the general formula



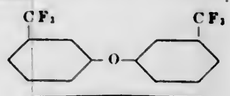
wherein R_1 and R_2 represent alkyl radicals.

2,547,678
LIQUID POLYSILOXANES
Donald F. Wilcock, Saugus, Mass., and Dallas T. Hurd, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application October 11, 1946, Serial No. 702,589
9 Claims. (Cl. 260—448.2)

1. A fluid composition consisting essentially of a liquid mixture of linear polysiloxanes wherein all the valences, exclusive of the valences satisfied by oxygen, of all the silicon atoms intermediate to the terminal silicon atoms have hydrogen atoms attached thereto, the said terminal silicon atoms each having attached thereto by carbon-silicon linkages three hydrocarbon radicals selected from the class consisting of alkyl, aryl, alkaryl, and aralkyl radicals.

2,547,679
3,3'-BIS-(TRIFLUOROMETHYL) DIPHENYL ETHER
John K. Wolfe, Burnt Hills, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 19, 1950, Serial No. 139,535
1 Claim. (Cl. 260—613)

3,3'-bis-(trifluoromethyl) diphenyl ether having the formula

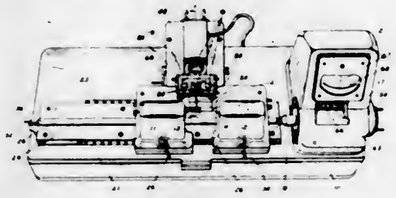


2,547,680
DITCH GRADER
Claude L. Wright, Burns, Oreg.
Application June 4, 1946, Serial No. 674,304
2 Claims. (Cl. 37—98)



1. In a ditch grader, a frame, ditch grading wings, means pivoting the same on opposite sides of the frame, telescoping adjusting members attached to said wings and said frame, pivot means supporting said members on said frame whereby said wings may be adjusted relative to the frame, triangular members, means pivoting the same on the frame, wheels rotatably supported by said triangular members, a housing mounted for vertical movement on the frame, a pivoted front wheel rotatably mounted on the housing, sheave means supported by said frame, a first cable trained under said sheave means and connected to the housing and one of the triangular members, whereby all said wheels are shifted relatively to said frame in unison, pulley means on said triangular members and a second cable means passing over said pulley means and adapted to be connected to a source of power whereby said second cable causes pivotal movement of said triangular members.

2,547,681
LEAD AND PITCH GAUGING DEVICE
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application March 15, 1944, Serial No. 526,535
8 Claims. (Cl. 33—199)



2. A gauge for threaded workpieces comprising a base, a pair of work holders having work carrying centers and independently guided for slidable movement in one direction directly on said base, said holders having aligned holes extending parallel to the direction of movement of the work holders on the base, a single straight bar extending through said holes and interconnecting said holders in relatively fixed relation, means for releasably fastening one of said holders to said bar at various positions along its length, gauging means adapted for cooperation with a threaded workpiece carried by said centers, and means on said base operated by one end of said bar for measuring the changes in position of the bar on the base.

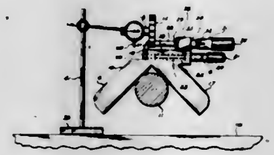
2,547,682
NITROARYL ESTERS OF 2-MERCAPTO-THIAZINES AS HERBICIDES
Luther L. Baumgartner, Hastings on the Hudson, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 4, 1950, Serial No. 147,752
7 Claims. (Cl. 71—2.5)

1. A herbicidal composition comprising a nitroaryl ester of a 2-mercapto-1,3-thiazine, as an essential active ingredient, and a fluent carrier therefor.

2,547,683
CENTERING GAUGE FOR ACCURATELY LOCATING A WORKPIECE WITH RESPECT TO A KEYWAY CUTTER OR THE LIKE
Walter Blesi, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application July 5, 1947, Serial No. 759,021
1 Claim. (Cl. 33—185)

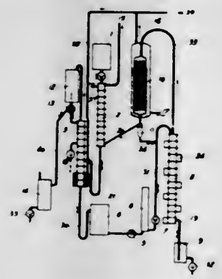
A centering gauge for centering the keyway cutter of a machine in a plane extending vertically

upward from the axis of an annular workpiece, comprising a block having downwardly extending diverging arms free of any connection at their terminal ends and for resting on the workpiece, said block having a flat reference surface adapted to be brought into a predetermined exact relationship with a reference plane of the machine tool by relative axial adjustment of the cutter with respect to said plane, a positioning stop adjustably mounted on said block for movement towards a plane bisecting the angle between said arms, a micrometer adjustment for said stop and including means for indicating the position of the stop with respect to said bisecting plane, a rod carried in said block for rocking movement about its own



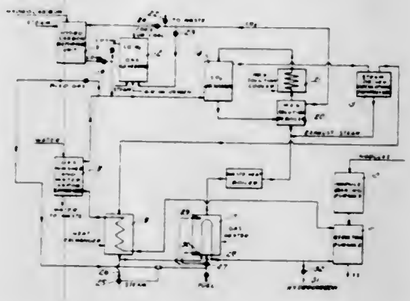
axis and for axial movement towards and from said bisecting plane, a handle connected to one end of said rod for rocking the rod and for moving the rod axially, a locating finger fixed to an end of said rod and operable into and out of a position in which a portion of the finger is aligned with said stop, spring means operable to yieldingly hold the finger towards said stop and against the sides of cutters of different widths to be used on the workpiece for holding the cutter and the stop in yielding engagement with one another irrespective of the position of adjustment within the range of adjustment of the stop on the block so that axial adjustment of the cutter causes the block to rock on the workpiece.

2,547,684
PLANT FOR THE CONTINUOUS MANUFACTURE OF ISOPRENE
Pierre Marcel Bourdon, Paris, France, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie) Clermont-Ferrand, France
Application February 8, 1949, Serial No. 75,275
In France February 12, 1948
5 Claims. (Cl. 23—263)



1. In an apparatus for the conversion of pinene into isoprene, the combination of a reservoir for liquid pinene, means to isomerize pinene into dipentene connected to said reservoir and having a discharge outlet, a column including a plurality of superimposed plates, means to supply dipentene from said outlet to the uppermost plate, each plate comprising an annular chamber, lateral separate receptacles connected to this annular chamber, valves interposed between said chamber and said separate receptacles, electrical resistances in said lateral receptacles for direct contact with the liquid therein to convert said dipentene into isoprene, overflow pipes connecting each annular chamber to the chamber below it to maintain the liquid in the chamber at substantially a predetermined level, and a central chimney extending through each annular chamber at about the axis thereof to a point above the level of the overflow pipe to permit substantially free flow of the vapors upwardly through said column, a vapor outlet at the upper end of said column, means to collect liquid at the bottom of said column, condensing means connected to the vapor outlet of said column for condensing the vapors, rectifying and condensing means connected to the outlet of the first-mentioned condensing means, and means to collect the condensed liquid at the outlet of the second-mentioned means.

2,547,685
REDUCTION OF METALLIC OXIDES
Herman A. Brassert, Washington, Conn., and Fredrik W. de Jahn, New York, N. Y., assignors to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application November 25, 1947, Serial No. 788,034
2 Claims. (Cl. 75—34)



1. A method of reducing iron oxides which comprises bringing iron oxide heated to between about 750° C. and about 900° C. into contact with a heated reducing gas consisting essentially of carbon monoxide and hydrogen in the ratio of about three to about four parts by volume of carbon monoxide to each part of hydrogen by volume, introducing water vapor into said gas to maintain the water content of the gas within a range between about .002 and about .01 pound of water vapor per cubic foot of gas and increasing the water vapor content, within said range, to decrease the carbon content of the reduced oxide, and decreasing the water vapor content, within said range, to increase the carbon content of said reduced oxide.

2,547,686
PREPARATION OF SUCCINONITRILE
Charles E. Brockway, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1949, Serial No. 130,866
5 Claims. (Cl. 260—465.8)

1. The method of preparing succinonitrile which comprises reacting acrylonitrile with a ketone cyanohydrin selected from the class consisting of aliphatic and alicyclic ketone cyanohydrins in the presence of a basic catalyst at a temperature from 50° C. to 150° C. and recovering the succinonitrile thus formed.

2,547,687
MOTH-REPELLENT CAKE AND A CONTAINER THEREFOR
David Brody, Clinton, Mass., assignor to Van Brode Milling Co., Inc., Clinton, Mass., a corporation of Massachusetts
Application March 13, 1950, Serial No. 149,303
1 Claim. (Cl. 299—24)



An article of manufacture for repelling moths, comprising a container including a body portion and a closure portion, said portions having registering apertures, and a cake of moth-repellent material enclosed in a sealing wrapper which is impervious to air fitted into said container, said cake being provided with openings in alignment with said apertures, whereby said wrapper is adapted to be ruptured by an instrument thrust through said registering apertures and openings to expose the moth-repellent material to the action of the surrounding air.

2,547,688
MOTH-REPELLENT CAKE AND A CONTAINER THEREFOR
David Brody, Clinton, Mass., assignor to Van Brode Milling Co., Inc., Clinton, Mass., a corporation of Massachusetts
Application March 25, 1950, Serial No. 151,867
2 Claims. (Cl. 299—24)

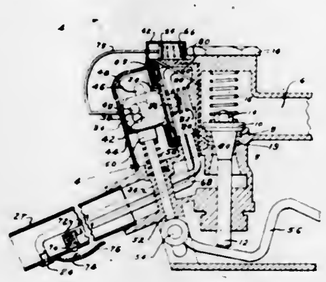


1. An article of manufacture for repelling moths, comprising a container including a body portion and a closure portion, a flange of elastic material on said closure portion fitting into the mouth of said body portion for retaining said closure by friction on said body portion, said container portions having centrally disposed registering apertures, and a cake of moth-repellent material enclosed in a sealing wrapper which is impervious to air fitted into said container, said cake being provided with a hole in alinement with said apertures, whereby said wrapper is adapted to be ruptured by an instrument thrust through said registering apertures and hole to expose the moth-repellent material to the action of the surrounding air.

2,547,689
MANUFACTURE OF TRICHLOROMETHYL DISUBSTITUTED METHANES
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1945, Serial No. 623,433
12 Claims. (Cl. 260—613)

1. In the manufacture of trichloromethyl disubstituted methane, the step comprising condensing chloral intermediate with a substituted benzene compound having replaceable hydrogen in the presence of sulfuric acid of dehydrating strength.

2,547,690
SELF-CLOSING FILLING NOZZLE
Robbins L. Chadil, Manhattan Beach, and Samuel E. Hoffer, Inglewood, Calif., assignors of one-fourth to Donald E. Waggoner, Jr., and one-fourth to James F. Gardiner, both of Manhattan Beach, Calif.
Application June 15, 1948, Serial No. 33,067
13 Claims. (Cl. 226—127)

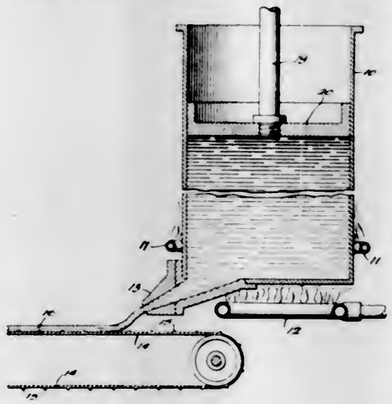


1. In a filling nozzle, a valve body having a fluid passage, a self-closing valve in said passage, manual means for opening said valve, means for rendering said manual means ineffective comprising a movable fulcrum support for said manual means, and means to prevent the holding of the said fulcrum support stationary, said means including a lever on the nozzle responsive to insertion of the nozzle into the container to be filled.

2,547,691
FUEL
Ralph H. Churchill, Chicago, Ill.
Application June 22, 1946, Serial No. 678,677
4 Claims. (Cl. 18—55)

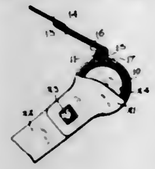
1. A process for forming fuel in sheet form, comprising mixing sulphur, aluminum and iron, all in finely-divided form, confining the material under pressure in communication with an extruding, sheet-forming opening, raising the temperature of the mixture to the melting temperature of the sulphur whereby under the influence of pressure the mixture flows through the open-

ing immediately upon the attaining of said melting temperature, and air-cooling the extruded



material to form a solid sheet immediately after extrusion.

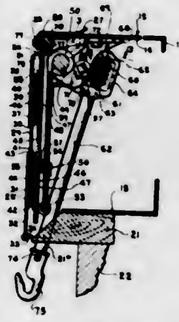
2,547,692
STORE AWNING
Errol P. D'Azzo, New York, N. Y.
Application June 30, 1947, Serial No. 758,121
1 Claim. (Cl. 160—45)



A front bar construction for an awning comprising a tube with a longitudinally extending integral lip portion on its exterior surface, a hump portion integral with and extending longitudinally of said front bar and formed inwardly of said lip portion, said lip portion and hump portion forming a substantially upright U-shaped channel having a restricted opening on said tube, an awning having a loop formed at one of the edges thereof, a retaining rod insertable within said loop, and said loop together wtih said rod being insertable within said U-shaped channel and confined therein by said restricted opening, the end corners of said lip portion being flared outwardly to provide an enlarged opening at the end of said U-shaped channel to facilitate the insertion of the awning loop and the retaining rod thereinto, and supporting means for said front bar construction, comprising an arm having a laterally extending sleeve inserted into the end of said tube of said front bar construction.

2,547,693
STORE FRONT AND AWNING ASSEMBLY DEVICE
Errol P. D'Azzo, New York, N. Y.
Application July 30, 1948, Serial No. 41,442
13 Claims. (Cl. 160—22)

1. In an awning box having an open front side and a top wall, a drop lid for closing the open front side, comprising an upper section having a bottom groove, means pivotally attaching the top of said upper section to the top wall at the top of the open front side, a lower section having a top groove, a panel between said sections having its top and bottom edges inserted into said grooves, a tie-plate extended across the in-



ner faces of said sections, and means securing said sections to said tie-plate to hold said sections properly spaced and retain the top and bottom edges of said panel in said grooves.

2,547,694
LATEX DEPOSITED ARTICLE
Lucian P. Dosmann, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 3, 1947, Serial No. 783,824
4 Claims. (Cl. 117—161)

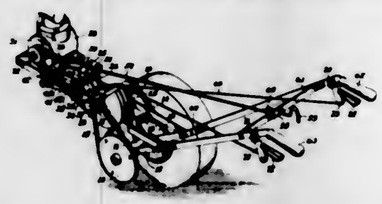
1. A mat comprising a base having a rough stubble rubber layer thereon of the direct deposit of solids of a rubber latex selected from the group consisting of natural rubber latex and aqueous emulsion polymerizates of the group consisting of butadienes-1,3 and mixtures of butadienes-1,3 with compounds which contain a $CH_2{=}C<$ group and are copolymerizable with butadienes-1,3, said rubber latex containing 1 to 10 parts by weight of silicone oil of the composition

$$CH_3[(CH_3)_2SiO]_xSi(CH_3)_3$$

where x is 2 to 11, per 100 parts of solids of the latex, said deposit being composed of rubber particles built up in the form of a multiplicity of adjoining irregular spongy projections, the exposed surface of said deposited layer resembling piled carpeting.

2,547,695
POWER STEERING CONTROL FOR GARDEN TRACTORS OR THE LIKE
Robert D. Eaglesfield, Austin E. Curtiss, and Charles W. Meggenhofen, Indianapolis, Ind., assignors to R. D. Eaglesfield Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 19, 1948, Serial No. 39,534
15 Claims. (Cl. 180—6.2)

1. In a device of the class described, a frame, axle means supporting said frame, two ground wheels supporting said axle means and independently rotatable about the axis thereof, a prime mover supported on said frame, means providing a driving connection from said prime mover to each of said wheels independently, and means interposed in each such driving connection and operative to render its associated driving connection ineffective, said last-named means comprising an oscillable element for each driving connection, a spring associated with each oscillable element, a member operatively associated with both springs and shiftable to exert, through said springs, a force upon said oscillable elements tending to shift the same in a direction



to render said driving connections effective, and other means operatively associated with each of said oscillable elements, each such other means being operative to shift its associated oscillable element against the tendency of its associated spring in a direction to render its driving connection ineffective, without affecting the other oscillable element or said member.

2,547,696
SOLUBLE FUSIBLE UNSATURATED HALOGEN-CONTAINING RESINS MADE BY POLYMERIZATION OF MIXTURE OF DI-2-ALKENYL MALEATE, DI-2-ALKENYL FUMARATE AND BROMOMETHANE COMPOUND TYPIFIED BY BROMOTRICHLOROMETHANE
Frederick J. Foster, New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 23, 1948, Serial No. 22,952
9 Claims. (Cl. 260—78.5)

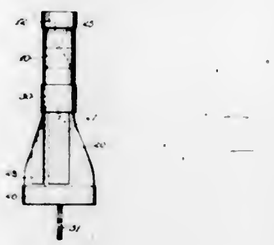
1. A soluble fusible unsaturated halogen-containing resin which is the reaction product obtained by polymerization of a monomeric di-ester of maleic acid with an alcohol selected from the group consisting of allyl alcohol and 2-alkylallyl alcohols and a monomeric di-ester of fumaric acid and with an alcohol selected from the group consisting of allyl alcohol and 2-alkylallyl alcohols in the presence of a bromomethane compound of the general formula $BrCX_3$ where the X's are selected from the group consisting of hydrogen, bromine and chlorine, at least two of the X's being halogen.

2,547,697
ADJUSTABLE FESTOON
Conrad Gallo, Brooklyn, N. Y.
Application July 1, 1949, Serial No. 102,579
1 Claim. (Cl. 160—330)



A drapery ensemble, comprising a central festoon piece having upwardly and inwardly converged top edges which meet at the center of said festoon forming a top edge in the shape of a flattened obtuse angle, a tunnel formed of superimposed plies of material doubled upon themselves along their longitudinal center to have adjacent longitudinal edges facing upward, said tunnel being longer than the top edge of said festoon piece and positioned in front of said festoon piece with its ends projected equally to either side of said festoon piece and with the tops of its longitudinal edges flush with the top edge of said festoon piece, depending end panels at the sides of said festoon piece with their top edges located behind the projecting ends of said tunnel, said end panels having their top edges flush with the tops of the longitudinal edges of the projecting ends of said tunnel and with their inner side edge portions located behind the sides of said festoon piece, and stitches securing the upwardly facing longitudinal edges of said tunnel to the top edges of said festoon piece and said end panels, so arranged and constructed that when a curtain rod is engaged through said tunnel said festoon piece will be draped behind the curtain rod and said end pieces can have their free ends folded over the top of the curtain rod to depend freely in front of the curtain rod.

2,547,698
SIGNAL FLARE
John A. Gearon and Edward Gearon, Chicago, Ill.
Application November 16, 1948, Serial No. 60,232
6 Claims. (Cl. 102—37.4)

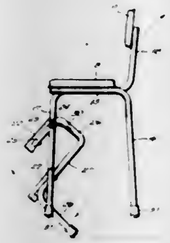


1. In a flare thrown from railway cars, the combination with a fusee of a relatively wide bag in which the fusee is secured in upstanding position, the sides of the bag adapted to be gathered in the middle region, a loose material contained in the lower portion of the bag, and means to fasten the gathered portion of the bag and confine the material in said lower portion.

2,547,699
COMBINATION CHAIR AND LADDER
Harry A. Gelman and Mac Gelman, Chicago, Ill., assignors to Triple A Products, Chicago, Ill., a firm
Application January 13, 1949, Serial No. 70,787
5 Claims. (Cl. 228—30)

1. A chair of the class described comprising, a pair of spaced seat-supporting standards, a seat supported on said standards, a pair of tread frame-members each formed with four sections wherein one end and one intermediate section are parallel and disposed transversely to the other end and intermediate sections, said one intermediate section being longer than said parallel end section, treads spanning and connected to the corresponding parallel sections

of said frame-members, said tread-connected frame-members being hinged to the respective standards above a median point lengthwise of said standards, said hinge being located on each of said frame-members adjacent the angle be-



tween said one end section and the adjacent section, said tread frame-members being free to swing in an arc below the hinge connection and between said standards, and resilient means normally urging said tread-connected frame-members toward their retracted positions.

2,547,700

SELF-PROPELLED RAILWAY VEHICLE

Dallas P. Graham, Columbus, Ohio, assignor to Greensburg Machine Company, Greensburg, Pa., a corporation of Pennsylvania

Application August 25, 1947, Serial No. 770,385
6 Claims. (Cl. 105—100)

1. In a self-propelled railway vehicle comprising a main frame structure, the combination of oscillatory beam elements extended along the two opposite sides of said main frame, pivot structures pivotally interconnecting the said beams and the said main frame intermediate the length of each said beam and providing relative swinging movement in a vertical plane and limited bodily vertical movement between each of said beams and said main frame, at least two wheels mounted on each said beam and rotatable each on an individual axle journalled on structure carried by each of the two said beams, yielding elements interposed between the said beams and the said main frame at points removed from the pivot points therebetween to transmit load between the said assembly of oscillatory beams and wheels mounted thereon and the said main frame, a driving motor carried by said oscillatory beams, a battery for energizing said motor, said motor and battery being contained within the bounds of the said main frame structure and in the space between oppositely mounted wheels in a position intersecting the axes of rotation of the wheels and driving connections from said motor to said wheels.

2,547,701

SOLUBLE FUSIBLE UNSATURATED HALOGEN-CONTAINING RESINS MADE BY POLYMERIZATION OF DI-2-ALKENYL ESTER OF AN ALPHA-ETHYLENIC DICARBOXYLIC ACID IN THE PRESENCE OF A BROMOMETHANE COMPOUND TYPIFIED BY BROMOTRICHLOROMETHANE

Robert A. Gregg, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 17, 1947, Serial No. 761,741
10 Claims. (Cl. 260—78.4)

1. A method which comprises polymerizing a monomeric di-ester of an alcohol selected from the group consisting of allyl alcohol and 2-alkyl-allyl alcohols with an alpha-ethylenic dicarboxylic acid in the presence of from 5 to 250 per cent by weight based on the weight of said ester of a bromomethane compound of the general formula $BrCX_3$ where the X's are selected from the group consisting of hydrogen, bromine and chlorine, at least two of the X's being halogen, whereby a soluble fusible unsaturated halogen-containing resin is obtained by heating the mixture at a temperature of from 25° to 100° C. in the presence of a peroxidic polymerization catalyst.

2,547,702

SEED POTATO SLICER

Waldo E. Hanna, Mount Cory, Ohio

Application August 4, 1947, Serial No. 765,884
1 Claim. (Cl. 146—164)

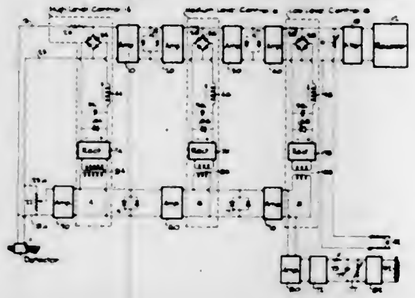
A potato slicer comprising an open frame, an annular series of downwardly converging chute sections to form a discharge, pivotal mountings on the frame for the respective sections spaced outward from the region of the discharge, said mountings locating the sections with clearance spaces therebetween, rotatable arms swingable thru said clearance spaces from substantially above the chute sections downwardly toward said discharge, said sections having opposed slots, said spaces and slots alternating to form a series of narrow openings radiating from the discharge, diverging stationary knife blades fixed to the frame in proximity to the discharge and registering with the slots in the sections swinging theretoward, a power actuated shaft, additional shafts operatively connected with said power actuated shaft and providing mounting means for operating said arms, and vibrator devices operatively connected between the additional shafts and the chute sections remote from the discharge to oscillate the sections on their pivotal mountings and thereby jostle a potato in its descent upon the sections to lodge at the discharge in position for the arms to push on portions of the potato between the knife blades and urge it past the blades.

2,547,703

SEISMIC EXPLORATION SYSTEM

Alfred J. Hermont, Houston, and Jerome C. Toups, Bellaire, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 10, 1948, Serial No. 38,014
3 Claims. (Cl. 346—33)



3. In a seismograph recording system comprising a detector and a recorder, automatic volume control means for said system comprising a transmission channel connected between said detector and said recorder, a controller channel connected in parallel with said transmission channel, means coupling said transmission and controller channels to form a high, medium and low level control unit, each of said control units comprising a rectifier having its input connected to the controller channel, attenuator means comprising a balanced bridge formed of non-linear resistor elements connected across the transmission channel, a filter circuit connecting the output of said rectifier to said bridge to pass therethrough a control current proportional to the intensity of the signals supplied to said rectifier, whereby the intensity of the signals passing through the transmission channel is attenuated as a function of said control current by the variable shunting action of said bridge, and amplifier and current limiter means connected in said transmission and said controller channels between said high and medium level control units and said medium and low level control units, whereby the attenuation provided by each of said control units is maintained between predetermined minimum and maximum levels.

2,547,704

SAFETY RAZOR

Paul Hoberg, Brooklyn, N. Y.

Application October 9, 1947, Serial No. 778,818
4 Claims. (Cl. 30—60)



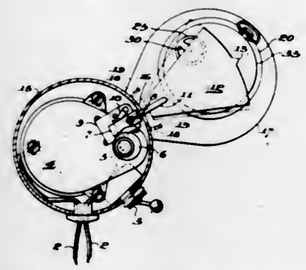
1. A razor comprising a head, a handle offset therefrom, guard means for clamping a razor blade between said means and the head, said guard means comprising a pair of guard members having oppositely arcuately curled bottom portions, mounting means for said curled portions carried by the head and having arcuately curled slots of the same radius of curvature as that of said curled portions, whereby along said slots in their directions of curvilinear extension said curled portions are slidable for swinging the guard members into close parallelism while extended vertically above the head and for swinging said guard members away from each other and down on the head in clamping relation to such blade, said handle being hollow, a rod in the handle threadedly connected thereto whereby turning of the rod spirally advances the same lengthwise of the handle, the top of the rod being rounded, parts of said curled portions of the guard members being located for interception by the rounded top of the handle when the latter is moved upward, said parts being so shaped and arranged that such interception imparts thrusts to said curled portions to swing said guard members down on the head, and a pair of wire-like springs each having a pair of arms connected to said guard members and mounting means for urging said guard members upward away from said head and toward each other.

2,547,705

COMPARATOR FOR REGULATING TIMEPIECE BALANCE WHEELS

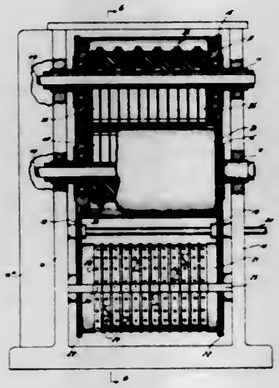
Joseph M. Hourigan, New Kensington, Pa.

Application March 13, 1948, Serial No. 14,754
4 Claims. (Cl. 73—6)



1. A comparator for use in regulating a watch by reference to the oscillating balance wheel positioned therein, comprising a synchronous electric motor having a constant speed, a cam shaft rotated by the motor so as to make one revolution in an interval of time equal to the desired period of the balance wheel, a cam rigidly mounted on the shaft below its upper end, a lever mounted adjacent to the cam, a spring urging the inner end of the lever into constant engagement with the periphery of the cam, a casing enclosing the motor and cam and provided with an opening in its side through which extends the outer end of the lever and provided with an opening in its top through which extends the upper end of the cam shaft, a watch support detachably secured to the side of the casing below the outer end of the lever for supporting a watch with the balance wheel therein exposed to view, and a timing member detachably mounted on the outer end of the lever above the balance wheel and oscillated by the lever in a horizontal plane above the balance wheel at the desired frequency of the balance wheel so as to expose momentarily to view a selected point of reference on the balance wheel when that point is reversing its direction of motion to determine whether the timing member and the balance wheel are oscillating at the same frequency.

2,547,706
SELECTIVE DISCHARGE CONTROL FOR INKS ON PRINTING PRESSES
William C. Huebner, New York, N. Y.
Application August 6, 1945, Serial No. 609,269
30 Claims. (Cl. 101—426)

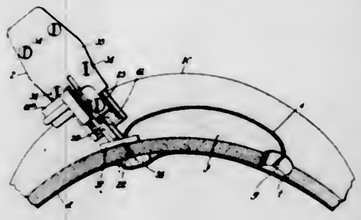


1. A method of printing by utilizing an electro field of force and which comprises passing print receiving material through a printing zone and moving a master chart in timed relation to said material, producing by means of an applied electric current a field of force at the printing zone with the lines of force directed to transfer ink from an ink supply to said material, and varying said current to vary the intensity of said field of force in correlation to said master chart as said material moves through said zone to predeterminately vary the densities of the ink deposits on different areas of said material to produce a printed image or design having varying color shades or densities on different portions thereof as indicated by said master chart.

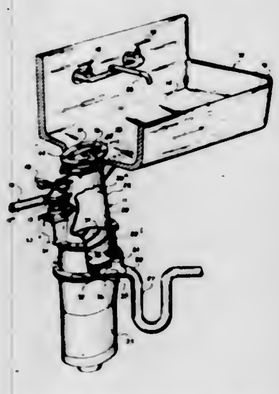
11. In a printing couple, ink carrying means, means for moving print receiving material relative to said ink carrying means and through the printing zone, means for producing by an electric current an electro field of force at the printing zone with the lines of force thereof acting in a direction to transfer ink from said ink carrying means to said material, and means correlated to the movement of said material for automatically varying said current to vary the intensity of said field of force as said material moves through the printing zone to produce ink deposits on said material of predetermined varying densities.

2,547,707
SURGICAL SAWING INSTRUMENT
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 15, 1947, Serial No. 722,098
23 Claims. (Cl. 128—317)

1. A surgical instrument, comprising a frame; a saw bar reciprocably mounted in said frame; a saw blade secured to said saw bar; an electric motor located remotely from said instrument; a driving connection between said motor and said saw bar for reciprocating the latter and the saw blade carried thereby; a movable skull-contacting member carried by and movable relative to said frame; an electric switch carried by said frame and in circuit with said motor; and a common actuating member carried by the instrument for shifting said skull-contacting member and for actuating said switch to control said motor.

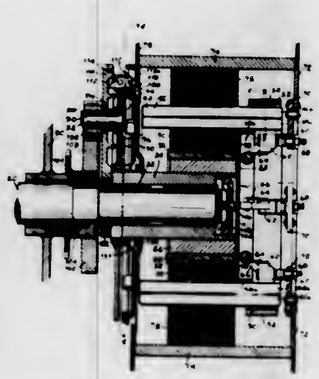


2,547,708
WASTE FLUSHING MECHANISM, INCLUDING A BACKFLOW PREVENTER
Anthony J. Kreiner, Wickliffe, Ohio, assignor, by mesne assignments, to Lockley Machine Company, New Castle, Pa., a corporation of Pennsylvania
Application September 21, 1946, Serial No. 698,528
2 Claims. (Cl. 4—187)



1. Waste flushing mechanism comprising, an upright member having therein a chamber provided with an inlet at its upper end and an outlet at its lower end, said member having a mounting means thereon and a water passage therein leading from said mounting means into said chamber, a control valve unit carried by said member and having an inlet and an outlet, means for connecting an available supply of potable water under pressure with the inlet of said valve unit, means connecting the outlet of said valve unit with said water passage, said valve unit being operable to control the flow of water into said chamber, and a backflow preventer valve device in the last mentioned connecting means and mounted in fixed relation on said member by engagement with said mounting means and being operable to prevent a return flow of water from said chamber to said available potable water supply, said preventer valve device having an inlet connected with the outlet of said control valve unit and an outlet connected with said water passage through said mounting means.

2,547,709
MOTOR-GENERATOR GEARING
Everett P. Larsh, Dayton, Ohio
Application September 24, 1945, Serial No. 618,227
7 Claims. (Cl. 74—810)



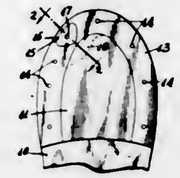
1. An electrodynamic device adapted to function as a generator and as a starter for an internal combustion engine having a crankshaft, the combination including a bearing mounted on the end of the crankshaft, a rotor journalled on the bearing, a planetary gear system including gears for interconnecting the rotor to the crankshaft so that the planetary gear system interconnects the rotor to the crankshaft, said planetary gear system including a spider mounted for rotation, and means for arresting the rotation of the gears when the crankshaft attains a predetermined speed so as to cause the electrodynamic device to function as a generator.

2,547,710
MINE LOCOMOTIVE
Arthur L. Lee, Columbus, Ohio, assignor of one-half to Rudolf R. Schubert
Application June 12, 1944, Serial No. 539,947
12 Claims. (Cl. 105—138)



1. In a railway locomotive comprising a frame and transverse axles; beam members spaced transversely and disposed longitudinally of the frame and each connected with both axles rigidly to fix their spacing, pivot structure centrally intermediate the axles connecting the respective beam members to the frame for vertical swinging movement relatively to each other and to the frame, a power transmission including a transverse drive shaft supported between the beam elements for horizontal swinging movement of one of its ends, and individual endless power-delivery means connecting the said movable end of the transverse drive shaft with the respective axles.

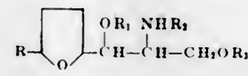
2,547,711
COMBINATION LEATHER AND RUBBER HEEL
Michele Leopaldi, New York, N. Y.
Application June 25, 1948, Serial No. 35,270
5 Claims. (Cl. 36—35)



1. A heel for a shoe, comprising a body portion of leather, an insert of rubber, and a rigid plate set into said rubber insert at its point of greatest wear, and means for holding said plate in position within a recess formed in said insert, comprising a rotative sleeve extended through an opening formed in said plate and having a flange with sharpened edges which cut into said rubber insert, and a nail engaged through said sleeve for holding said sleeve against turning.

2,547,712
FURANE COMPOUNDS
Loren M. Long, Grosse Pointe Woods, and Nickolas D. Jenesel, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 26, 1949, Serial No. 83,769
8 Claims. (Cl. 260—345)

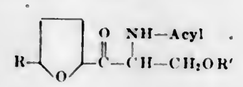
1. A compound of the formula,



where R is a member of the class consisting of hydrogen, $-NO_2$, halogen and lower alkyl radicals, R_1 and R_3 are members of the class consisting of hydrogen and acyl radicals and R_2 is a member of the class consisting of hydrogen, H·HAcid and acyl radicals.

2,547,713
FURANE AMIDO KETONE COMPOUNDS
Loren M. Long, Grosse Pointe Woods, and Nickolas D. Jenesel, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 9, 1950, Serial No. 148,754
7 Claims. (Cl. 260—345)

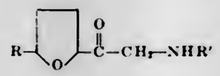
1. A compound of formula,



where R is a member of the class consisting of hydrogen,—NO_2, halogen and lower alkyl radicals and R′ is a member of the class consisting of hydrogen and acyl radicals.

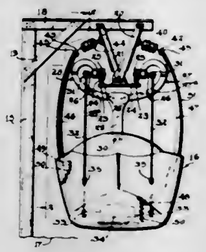
2,547,714
FURANE AMINO KETO COMPOUNDS
Loren M. Long, Grosse Pointe Woods, and Nickolas D. Jenesel, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 9, 1950, Serial No. 148,755
7 Claims. (Cl. 260—345)

1. A compound of the formula,



where R is a member of the class consisting of hydrogen, nitro, halogen and lower alkyl radicals and R′ is a member of the class consisting of hydrogen, H.HY, and acyl radicals, said HY group being one equivalent of a strong mineral acid.

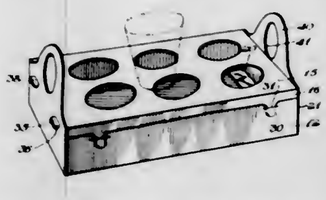
2,547,715
OVERHEAD-SUSPENDED CAR FOR RACE TRACKS
Robert A. Massey, New York, N. Y.
Application July 24, 1947, Serial No. 763,389
3 Claims. (Cl. 105—154)



1. In an aerial car for use over a racetrack and adapted to travel on parallel cables supported horizontally over the racetrack, a support pivoted on the longitudinal axis of said car to freely pivot relative to said car opposed outwardly extending members secured to said support, said outwardly extending members having inwardly extending upper ends, shafts mounted in said inwardly extending upper ends of said members, and grooved wheels mounted on said shafts and adapted to run on the supporting cables.

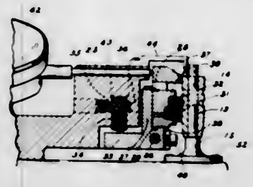
2,547,716
FOLDABLE VENDING TRAY FOR ICE-CREAM CUPS AND THE LIKE
Elsie M. Murphy, Elmhurst, Ill.
Application January 4, 1949, Serial No. 69,158
3 Claims. (Cl. 224—45)

2. A foldable vending tray comprising a base section of substantially rectangular form, back and front sections extending from the base section for forming back and front walls, a top section extended from the back section to form a top, a terminal section extended from the top section and adapted to overlap the upstanding front section, means for closing the sides of the folded structure, and means for locking said terminal section to said front section, said closing means comprising wings extending from the sides of the top section to form a side of the tray when the latter is in the form of a top, other wings extending laterally from the base section and adapted to overlap the first-mentioned wings, said other wings being extended outwardly



with narrower portions, and the latter being formed with openings to lend them the form of handles when said other wings are in the folded position.

2,547,717
GAUGING DEVICE
Albert F. Polk and Jesse H. Straw, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application July 12, 1944, Serial No. 544,516
11 Claims. (Cl. 33—174)



1. Gauging apparatus comprising a non-rotatable work holder adapted to enter the opening in a hollow workpiece and on which a hollow workpiece may rotate, a work rotating elongated part at one side of said holder and yieldingly engaging an external surface of the workpiece in tangential relation therewith, a support on which said work rotating part and work holder are arranged, means for relatively moving the workpiece and the work rotating part in a direction parallel to the length of the part to rotate the workpiece on the holder, a gauging member for yieldingly engaging an external surface of the workpiece during its rotation and arranged so that its yielding action on the workpiece is in the same direction as the yielding action of the work rotating part, and gauging means controlled by said gauging member during the rotation of the workpiece.

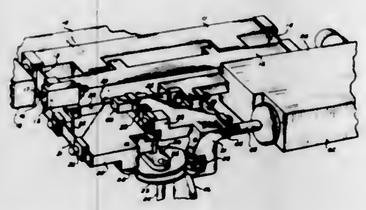
2,547,718
COMBINED DUSTER AND BLOWER
Valdemar A. Potholm, Hartford, Conn.
Application March 23, 1946, Serial No. 656,670
2 Claims. (Cl. 15—105)

1. A combined duster and blower device of the character described comprising a brush portion including a head having a tubular handle extending therefrom, and a compressible member fitted over said handle to provide a blower for said device; the said compressible member including a bulb portion and a nozzle portion fitting over the end of said handle, a bottom wall with a central opening fitting over the lower portion of the handle, and a surrounding flange extending below



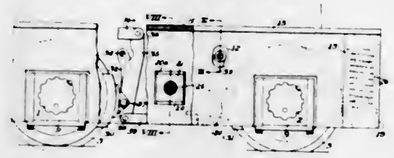
said bottom wall and providing a recess to receive the said head.

2,547,719
DEVICE FOR GAUGING THE ECCENTRICITY AND DIAMETER OF AN ANNULAR PART
William F. Rosser, New Rochelle, N. Y., assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application August 3, 1945, Serial No. 608,654
4 Claims. (Cl. 33—174)



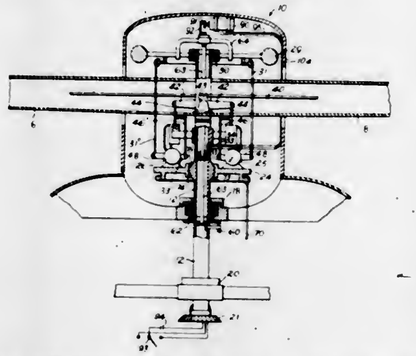
3. A gauging device for gauging eccentricity and diameter of an annular part, comprising a pair of work engaging arms, a carrier, spring blades fixed at opposite ends thereof to said arms and to said carrier and mounting both of said arms for swinging movement on the carrier about spaced axes, a work carrying spindle for supporting the part for rotation about the axis of the part, a fixed support for said spindle, spring blades mounting said carrier on said support for movement in a direction perpendicular to the spindle axis and so that the ends of said arms engage opposite sides of the periphery of the part on the spindle, a spring blade interconnecting points on said arms which are in a common plane extending towards the spindle axis to equalize the swinging movement of the arms of the carrier and compelling the ends of the arms that engage the part to move towards one another or away from one another, switch means responsive to movement of the carrier caused by eccentricity of a part rotating on the spindle and switch means mounted on the carrier and responsive to the swinging movement of one of the arms on the carrier for gauging the diameter of the part.

2,547,720
RAILWAY TRUCK FRAME
Rudolf R. Schubert, Greensburg, Pa., assignor to Greensburg Machine Company, Greensburg, Pa., a corporation of Pennsylvania
Application November 26, 1946, Serial No. 712,376
6 Claims. (Cl. 105—182)



1. A railway truck assembly having two parallel spaced longitudinally extended side frame elements, the structure at each side of the truck including a side frame element comprising two vertically and longitudinally extended walls laterally spaced to provide a housing space therebetween, wheel-carrying axles spaced longitudinally of the said side frame elements, a longitudinally and vertically extended beam housed between the walls of the side frame and having fixed longitudinal relation with the said axles, a vertically unloaded pivot block mounted for vertical sliding movement between the walls of the said side frame intermediate the said axles and a horizontal pivot pin passed through the said pivot block, one of said elements comprising the said block and pin being mounted with the walls of the side frame and the other thereof mounted with the said beam to provide relative vertical movement between said beam and said side frame and swinging movement of said beam, and yielding load-transmitting elements spaced longitudinally from the deflection point provided by said pivot pin on both sides thereof and vertically between the said beam and the said side frame.

2,547,721
AUTOMATIC CONTROL FOR HELICOPTER ROTORS
Edward A. Stalker, Bay City, Mich.
Application May 20, 1946, Serial No. 670,915
7 Claims. (Cl. 170—160.13)



1. In combination in a direct lift aircraft, an inertia element having a spin axis, means supporting said element for spinning about said axis and for universal tilting movement relative to said aircraft to maintain the plane of rotation of said element in a predetermined at-

titude in space, means to spin said element about said axis, a blade, means for changing the lift of said blade, means supporting said blade for rotation about an upright shaft and for flapping movement about a chordwise flapping axis, a control device responsive to changes in the angular attitude of said shaft relative to said inertia element substantially in the plane including said shaft and said blade, and means operably connecting said control device to said lift changing means to vary the lift of said blade to maintain a predetermined angular relation between said shaft and the plane of rotation of said inertia element, said control device being offset from said shaft axis and positioned nearer to the vertical plane through the longitudinal axis of said blade than to a vertical reference plane through said shaft axis and perpendicular to said blade span.

2,547,722

ANIMAL REPELLENT COMPOSITIONS COMPRISING THIOCYANIC ACID SALTS OF PRIMARY AND SECONDARY METHYLIDENE AMINES

Floyd D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application November 15, 1947, Serial No. 786,330
4 Claims. (Cl. 167—22)

1. A composition for repelling rodents and other depredating animals which comprises as the essential active ingredient a thiocyanic acid salt of a methylidene amine and as a carrier therefor an aqueous solution of a dispersing agent.

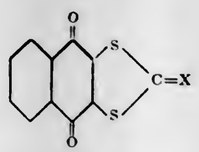
2,547,723

CHEMICALS AND FUNGICIDES

Norman K. Sundholm, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 8, 1949, Serial No. 131,919
12 Claims. (Cl. 167—33)

1. A compound of the structural formula



where X is selected from the group consisting of O and NR in which R is a radical of the group consisting of alkyl, haloalkyl, cyanoalkyl and aralkyl radicals.

2,547,724

2-ALKYLIMINONAPHTHO [2,3]-1,3-DITHOLE-4,9-DIONE ALKOHALIDE AND FUNGICIDAL COMPOSITIONS CONTAINING SAME

Norman K. Sundholm, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 8, 1949, Serial No. 131,920
8 Claims. (Cl. 167—33)

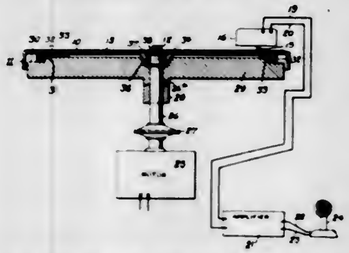
1. 2-alkyliminonaphtho[2,3]-1,3-dithiole - 4,9-dione alkohalide.

2,547,725

MEANS FOR DAMPING VERTICAL MODULATIONS OF PHONOGRAPH RECORDERS

Lincoln Thompson, Cheshire, Conn., assignor to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut

Application January 15, 1945, Serial No. 572,912
1 Claims. (Cl. 274—39)



In a phonograph, a continuously rotated relatively heavy driving turntable plate, a soft resilient flat-topped clutch ring of sponge rubber concentrically mounted upon said driving plate adjacent the outer edge thereof, a relatively light turntable shell mounted on said clutch ring, a thin disk record resting upon said shell, and a recording head carrying a ball-pointed embossing and indenting stylus exerting a high pressure upon said record, the clutch ring supporting said shell for damping and absorbing undesired vertical modulations in said recording stylus and head caused by wrinkling of said thin record in advance of said stylus.

2,547,726

ISOLATION OF HYODESOXYCHOLIC ACID

Elwood B. Trickey, Claymont, Del., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 25, 1949, Serial No. 83,525
8 Claims. (Cl. 260—397.1)

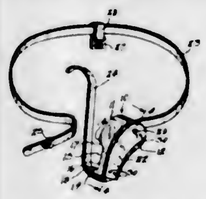
1. The process of obtaining hyodesoxycholic acid from hog bile which comprises subjecting the hog bile to an alkaline hydrolysis, then subjecting the resulting bile materials to an acid hydrolysis by heating with a mineral acid, and recovering hyodesoxycholic acid from the resulting bile material.

2,547,727

HERNIA PAD

Louis Zaras, Flemington, N. J.

Application August 14, 1948, Serial No. 44,259
6 Claims. (Cl. 128—115)



1. In a hernia belt construction, a truss pad comprising a main body formed of balsa wood, said body having a bottom heel shaped for distinct under-hooking engagement with the crotch of a wearer at one side of the scrotum, said body being vertically elongated and above said heel being laterally recessed for there fitting about a flesh mass at said crotch location, the upper portion of the block at the side thereof having said recess being substantially flat, said block at its outer side having a groove extending from top to bottom thereof, and a flat plate of aluminum or similarly light weight material, said plate being in said groove and secured to said block.

2,547,728

WATER REPELLENT COMPOSITIONS FOR TEXTILES

Ellis Abrams, Philadelphia, Pa., assignor to Quaker Chemical Products Corporation, Conshohocken, Pa., a corporation of Pennsylvania

No Drawing. Application October 4, 1948, Serial No. 52,779
13 Claims. (Cl. 260—32.6)

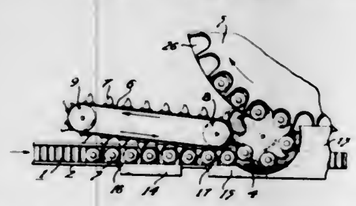
1. A composition particularly adapted for rendering textile material water repellent comprising a substituted urea having the formula $RNH—CO—NHR_1$ where R represents an aliphatic hydrocarbon radical containing at least twelve carbon atoms and R_1 represents a substituent selected from the group consisting of hydrogen and hydrocarbon radical; a diamide of the formula R'—CO—NH—R—NH—CO—R' where R and R' represent saturated open chain hydrocarbon radicals, R having at least six carbon atoms and R' at least 12; and a resin soluble in an organic solvent selected from the group consisting of urea aldehyde and melamine aldehyde condensation products.

2,547,729

PACKAGE HANDLING APPARATUS

Chester Clyde Aiken, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 9, 1946, Serial No. 639,999
1 Claim. (Cl. 198—34)



A package handling apparatus comprising an endless conveyor having a predetermined path of movement, a cooperating endless indexing chain having a path of movement a portion of which intercepts the path of movement of said conveyor, said path of movement of said conveyor and said portion of said path of movement of said chain gradually merging at a small acute angle, indexing fingers mounted on said chain for indexing the packages on said conveyor, said chain having a sufficient freedom of lateral movement at the points in said paths where said fingers begin to engage said packages on said conveyor to enable said fingers to move laterally a predetermined distance sufficient to prevent jamming of said packages, a starwheel adapted to receive said packages from said conveyor, a turret adapted to receive said packages from said starwheel, means for driving said chain and said starwheel at nearly equal speeds, and means for synchronously driving said chain, said starwheel, and said turret.

2,547,730

CARRIER AND FILLER MATERIAL

Robert B. Arnold, Richmond, Va., and Arthur L. Galloway, Louisville, Ky., assignors to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application September 13, 1946, Serial No. 696,954
8 Claims. (Cl. 106—288)

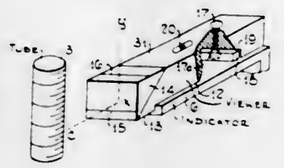
1. Process for the production of a product which is suitable for use as a carrier and filler material which comprises subjecting tobacco material which in the dry state contains considerably more than 23 percent by weight of water extractable constituents to an extraction treatment with water in quantity sufficient to yield a product containing from 3% to 23 percent by weight of water soluble constituents, separating the extracted residue from the resulting solution and drying the extracted residue to a moisture content of not more than 1 percent by weight and heating the same to a temperature of at least 100° C. for a time sufficient to substantially sterilize the same but insufficient to carbonize it.

2,547,731

LIQUID LEVEL GAUGE VIEWING DEVICE

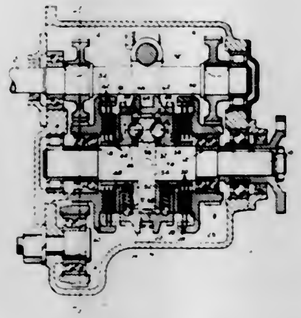
Herbert O. Bailey, Springfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 20, 1948, Serial No. 3,270
3 Claims. (Cl. 73—298)



1. In combination with a liquid level gauging device, including a vertical gauge tube, having a calibrated scale, and reciprocally movable through a fluid-tight gland in a housing therefor, and a fixed-level, horizontal pointer, having an indicating end adjacent the tube, mounted on said housing and establishing a substantially horizontal sighting plane with reference to the vertical tube scale, a device for viewing said scale, providing a line of sight in a vertical plane substantially parallel to said tube and intersecting said horizontal sighting plane, comprising a body member having a base portion and a forward end, said member adapted to be seated on said pointer with its base position in said horizontal plane and its forward end toward said tube, a stop member, dependent from the forward end of said base portion, to engage the indicating end of said pointer, a prismatic reflector element of right isoceles section mounted on the forward end of said base member with one side surface disposed for spaced parallel relation to said tube and extending downwardly through said horizontal sighting plane when the body is seated on said pointer, and the other side surface for right angular relation to said tube, aligned sighting indicia imposed on the respective side surface portions, with that in the vertical surface disposed for coincidence in said horizontal sighting plane, and means carried by said body portion for vertical adjustment thereof with reference to the pointer in order to establish the defined relation of said reflector to said tube.

2,547,732
TRANSMISSION SYNCHRONIZER
Malvern S. Baker, Muskegon, Mich., assignor to Continental Motors Corporation, Detroit and Muskegon, Mich., a corporation of Virginia
Application January 24, 1947, Serial No. 724,000
3 Claims. (Cl. 192—53)

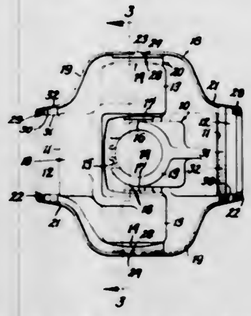


1. In a reversing transmission, a driving member provided with a driving gear, an output shaft, an axially fixed torque transmitting member carried by said output shaft, a shiftable clutch member having an axially movable and non-rotatable connection with said torque transmitting member and carrying a gear adapted for connection with the driving gear, a ring member axially slidably supported on said output shaft, said shiftable clutch member being slidably and rotatably mounted on said ring member, a clutching assembly intermediate said ring member and the driving member, a yielding connection between said shiftable clutch member and the ring member yieldingly locking same together against axial displacement, and means interconnecting said ring member and said torque transmitting member, which means is adapted to increase clutch engagement between the ring member and driving member under torque applied to said ring member, the initial axial movement of said shiftable member simultaneously moving said ring member by reason of said yielding connection to initiate the clutch engagement aforesaid, said yielding connection permitting relative axial movement of said ring member and shiftable member on further actuation of the shiftable member to engage the gear carried thereby with said driving gear.

2,547,733
PARTIALLY CURED RUBBERLIKE CEMENT
Francis P. Baldwin, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1945, Serial No. 637,775
5 Claims. (Cl. 260—33.6)

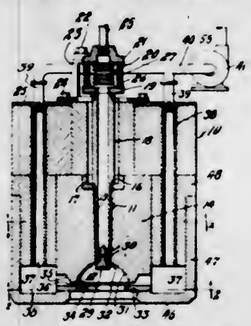
2. A cement comprising a light hydrocarbon solution of an isoolefin-diolefin interpolymer of a major proportion of isobutylene with a minor proportion of a conjugated diolefin having 4 to 8 carbon atoms per molecule, the polymer being characterized by a low unsaturation below an iodine number of 50, a molecular weight above 15,000 and reactivity with sulfur to yield an elastic product, said interpolymer having combined thereinto before solution an amount between .05% and 0.5% by weight of a dinitroso aromatic hydrocarbon in an amount sufficient to partially cure said interpolymer but in an amount insufficient to destroy the solubility thereof in the light hydrocarbon solution.

2,547,734
COVER FOR FLEXIBLE SHAFT COUPLINGS
Alfred T. Barager, Buffalo, N. Y.
Application June 25, 1949, Serial No. 101,311
7 Claims. (Cl. 64—32)



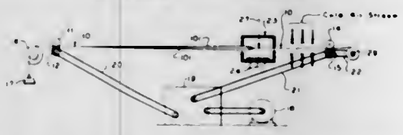
1. A cover of the character described comprising a pair of cup-shaped shells, an annular groove on the inside surface of each of said shells adjacent the larger end thereof, and a split retaining ring inside said shells having projections received within said grooves for locking said shells together.

2,547,735
RADIANT GAS BURNER AND MEANS FOR REMOVING PRODUCTS OF COMBUSTION
Emil Blaha, Cheltenham, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1946, Serial No. 663,157
13 Claims. (Cl. 158—7)



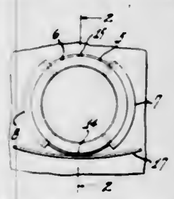
1. A gas burner comprising flame distributing means for spreading a burning gaseous mixture including a combustible gas and a combustion supporting gas, structure including a member having a high temperature cup-shaped refractory surface, the distributed flame produced by said distributing means extending alongside said surface, said distributed flame being effective to heat said surface to incandescence, said member cooperating with said distributing means so that substantially the only combustion supporting gas passing through said member to the region at which the distributed flame is produced is that supplied by said distributing means, and said structure providing an outlet surrounding the edge of said cup-shaped surface and communicating therewith and extending outwardly in a radial direction therefrom, and means through which a pressure which is negative with respect to the pressure at the region the distributed flame is maintained and through which is discharged and diverted a large fraction of the heated gases generated at said region instead of flowing therefrom into the environment to which heat is radiated from said surface.

2,547,736
PROCESS FOR STRETCHING CONTINUOUS MATERIALS SUCH AS SHEETING AND THE LIKE
Robert P. Blake, Winchester, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 8, 1947, Serial No. 767,646
3 Claims. (Cl. 18—48)



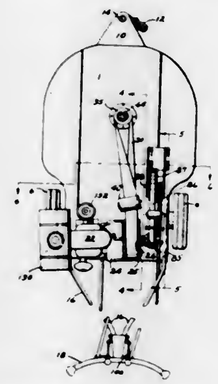
1. A method of stretching continuous material such as extensible organic plastic sheeting and the like while permitting unrestrained narrowing of said material, comprising continuously subjecting said material to the simultaneous action of a pair of tensional forces which act lengthwise of the material whereby to stretch the material, continuously drawing and moving the material lengthwise of itself along a selected path while it undergoes stretching by causing one of said tensional forces to be of greater magnitude than the other tensional force, and respectively applying each said tensional force to act upon said material substantially uniformly along one of a pair of lines which extend across the path of the moving material and which are positioned in spaced relation at a distance apart equal to seventy times the width dimension possessed by the material prior to said stretching whereby as said material undergoes lengthwise movement and stretching wavelike folds are formed in the material to extend longitudinally thereof from adjacent the line of application of the lesser tensional force towards the line of application of the greater tensional force.

2,547,737
UNIVERSAL MAGNETIC HEAD
Dorothy L. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1948, Serial No. 57,354
5 Claims. (Cl. 179—100.2)



1. A magnetic head, comprising a two-section core, said core having diametrically opposite gaps, one gap being of a narrow recording width, and the other gap being of a wider erasing width, means for mounting said head for rotation about an axis between said gaps and perpendicular to a plane in which said gaps are located, and means for maintaining said head in either of two rotational positions of operation, said positions being 180° apart.

2,547,738
ROTATING CUTTING DISK TYPE LAWN MOWER
Wellington G. Bosworth, Lakewood, Ohio
Application March 25, 1946, Serial No. 656,827
4 Claims. (Cl. 56—25.4)

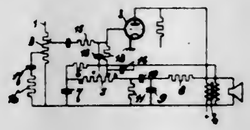


1. The combination of a frame, a driving axle and supporting and driving wheels thereon at one end of the frame, a caster wheel at the other end of the frame, a vertical shaft carried by the frame at approximately mid-position between the three supporting wheels, a rotary cutter on said shaft, a motor mounted on the frame between the driving wheels having a main driving shaft and a pulley thereon for a flat belt, a pulley on the vertical shaft, a belt connecting said two pulleys, an idler roller movable into and out of tensioning position against said belt, a V-pulley on said main driving shaft, a jack-shaft mounted on the frame and a V-pulley thereon, a V-belt running over said V-pulleys, a manually operated idler roller for tensioning said belt, sprocket and chain connections from the jack shaft to the drive shaft, and overrunning connections between the jack shaft and the drive wheels adapted to drive in a forward direction only.

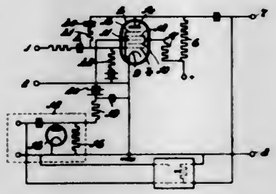
2,547,739
CIRCUIT ARRANGEMENT FOR TONE CONTROL IN A LOW-FREQUENCY AMPLIFIER
Henricus Adrianus Broos, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 6, 1947, Serial No. 790,102
In the Netherlands October 25, 1946
5 Claims. (Cl. 179—171)

1. An electrical circuit arrangement for amplifying an input signal voltage having frequency components within a given range, comprising an electron discharge tube having an input circuit and an output circuit, a source of said input signal voltage, means to continuously vary the amplitude of said signal voltage comprising a first potentiometer element intercoupling said source and said input circuit, and means to vary the

frequency response of said amplifying arrangement comprising a second potentiometer element having a pair of fixed contacts and a movable contact, means to derive from said output circuit a first negative feedback voltage comprising the low frequency portion of said given range of frequencies, means to derive from said output circuit a second negative feedback voltage comprising the intermediate frequency portion of said given range of frequencies, means to apply said first and second negative feedback voltages each to a respective one of said fixed contacts of said second potentiometer and means intercoupling said movable contact of said second potentiometer and the input circuit of said discharge tube.

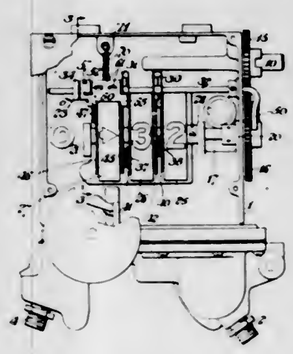


2,547,740
CONTRAST EXPANSION CIRCUIT ARRANGEMENT
Henricus Adrianus Broos, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 10, 1947, Serial No. 790,831
In the Netherlands September 13, 1946
4 Claims. (Cl. 179—171)



1. An amplifier circuit arrangement for expanding the amplitude of an electrical oscillation, comprising an electron discharge tube having a cathode, a first control grid, a first screen grid, a second control grid, a second screen grid and an anode, said tube having a characteristic wherein for a predetermined value of operating potential on said first and second screen grids relative to the potentials on the other elements of said tube the mutual conductance of the tube as represented by the anode current-control grid voltage ratio increases with an arithmetic decrease of the control voltage, means including a resistor common to said first and said second screen grids to apply operating potentials to said electron discharge tube, means to apply said oscillation to one of said control grids, means to derive a control voltage proportional to the amplitude of said oscillation including a rectifying device having a cathode and having an anode coupled to the anode of said tube, means intercoupling the cathode of said rectifying device and the cathode of said tube and maintaining a substantially constant potential relationship therebetween, means to apply said voltage to said second control grid, said resistor having a resistance value at which the potential applied to said first and second screen grids is substantially equal to said predetermined value of operating potential, and network means intercoupling the anode of said discharge tube and the first control grid of said discharge tube in regenerative relationship at the frequency of said oscillation.

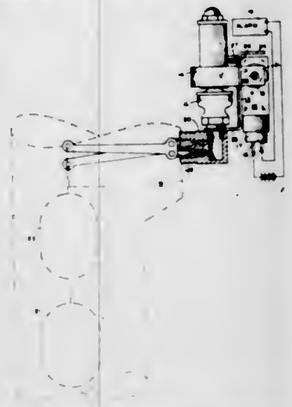
2,547,741
REGISTER LOCKING MEANS
David S. Willson, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware
Application September 23, 1946, Serial No. 698,675
3 Claims. (Cl. 235—144)



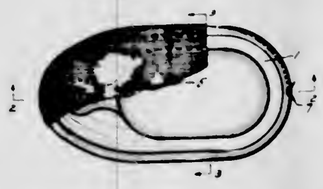
1. In a control device of the class described; a reversible rotatable main shaft; driving means for said rotatable main shaft; a series of indicating dial wheels on said main shaft, with the indicating dial wheel of lowest order rigidly connected to the main shaft; a transfer assembly including a notched disc and a segment gear carried by each of said dial wheels and rotatable therewith; a rock shaft; a sensing element rigidly fixed on said rock shaft, said sensing element being resiliently urged toward the periphery of the notched discs, said sensing element cooperating with a plurality of higher order discs and being adapted to enter the notched portions and the interdental space in said segment gears in the zero position thereof; stop means connected to said rock shaft and controlled by said sensing element; and an abutment operatively connected to said main shaft and adapted to engage said stop means when said sensing element has entered the notched portions and the interdental space in said segment gears on the higher order transfer discs.

2,547,742
ELECTRICAL ALARM SWITCH
John Rowland Brown, Cleveland, Ohio, assignor to The Reliance Gauge Column Company
Application June 4, 1949, Serial No. 97,237
3 Claims. (Cl. 200—138)

1. An alarm switch for steam boilers having an exhaust for blowing steam into the open, said alarm switch comprising, a shield mounted next adjacent and close to the said exhaust and parallel to the path of blowing of steam into the open, said shield having an opening therein, an electrical switch mounted on the side of the shield furthest from the exhaust, and a bimetal strip of modified U-shaped construction having one end thereof secured to the shield on the side closest to the said path and having the other end thereof extending through said opening and operably engageable with said switch, said bimetal strip having exposed surfaces parallel to and in the path of steam.



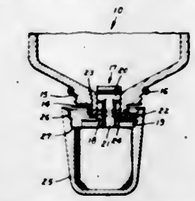
2,547,743
BABY BATHTUB WITH CLOTH SUPPORT
Robert L. Burr and Jennie M. Hudson, Birmingham, Ala.
Application October 24, 1947, Serial No. 781,808
1 Claim. (Cl. 4—185)



In a combined baby bath tub and cloth support for a baby comprising; an oblong shallow metal bath tub, a round flange integral with and forming the surrounding top edge of the tub, a ledge integral in one end portion of the bottom of the tub, an indenture formed in the ledge portion, said indenture defining a channel portion leading from the edge of the ledge and ending in a rounded portion of the indenture nearer the other end of the ledge; a piece of cloth of a size larger in area than approximately two thirds of the area space of the top of the tub, said cloth being of a shape similar to the said two thirds top area of the tub, a wide hem formed in part of the edge of the cloth, a cord or small rope inserted through the said hem, said cord or rope being of sufficient length to tie around under the round flange of the tub and being adapted to retain said cloth in slack condition and in contact with the said ledge portion of the tub bottom.

2,547,744
MEASURING DEVICE FOR LIQUID CONTAINERS
Irving A. Burger, Stratford, Conn.
Application May 7, 1946, Serial No. 667,801
11 Claims. (Cl. 222—115)

1. In a liquid dispenser, a container including a neck portion having an internal valve closing surface, a valve comprising a stem slidable in said neck portion and a radially extending portion at the outer end of said stem having a lateral outer end surface, said valve having a passage therethrough and movable therewith including a lateral passage portion toward its inner end closed with respect to said valve closing surface in an outwardly moved position of said valve and open with respect to said valve closing surface in an inwardly moved position and a longitudinal portion opening through said outer end surface, a spring supporting said valve against disengagement from said container and normally urging the valve outwardly to have said neck portion of the container close the lateral opening of the valve, a cup, means whereby said cup may be mounted on and removed from the container and when on the container encloses the valve and container neck, and a shoulder in said cup inwardly of the open end thereof for engagement with the flange of said valve when the cup is removed from the container for unseating the valve against the action of said spring whereby a portion of the contents of the container may flow into said cup.



2,547,745
DIVIDING AND SCALING INSTRUMENT
Marcus S. Cade and James E. McLaughlin, Chillicothe, Ohio
Application September 16, 1947, Serial No. 774,394
2 Claims. (Cl. 33—1)

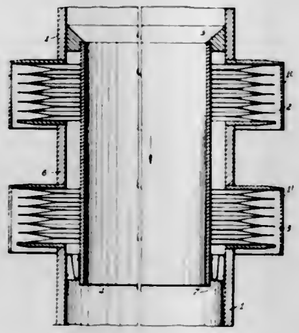


1. A drafting instrument comprising a body member having converging grooves therein, a rail secured to said member in spaced relation therewith, a support slidably received on said rail, recesses in said support, a scale in said recesses, cam means in said support operably engaging said support and said scale for locking said scale against said body member.

2,547,746
EXPANSION JOINT SEAL
George B. Cook, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1947, Serial No. 790,057
5 Claims. (Cl. 285—90)

1. An expansion joint connection between opposed end portions of adjoining sections of a

conduit system for handling fluidized solid materials, comprising a tubular sleeve member secured at one end interiorly of one conduit section end portion in fluid-tight relation thereto, and extending into the other conduit section end portion in concentric, annularly spaced relation interiorly thereof, an annular bellows member secured at one end to each of said conduit section end portions, concentric therewith and with said



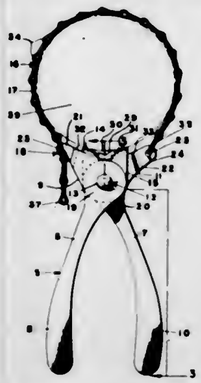
sleeve, the other ends of said members extending into spaced, opposed relation to each other, a rigid tubular spacer element secured between said opposed members in fluid-tight relation to each and in radially spaced relation to said sleeve, and an annular seal between the interior of said bellows members and spacer element therefor, and the interior of the conduit sections, said seal being permeable to fluids but not to solid particles handled in the system.

2,547,747
METHOD OF PRODUCING A BACON RIND PRODUCT
George A. Darrow, Glendale, Calif.
No Drawing. Application June 30, 1948, Serial No. 36,267
6 Claims. (Cl. 99—107)

1. The method of producing an edible hog skin product consisting in cooking the sheet skin as stripped from slabs of bacon in steam under pressure until the skin is soft and substantially free of fat and oil, reducing the cooked sheet into a doughy mass, forming the mass into pieces of substantially uniform size and shape, cooking the pieces until they become puffed, then salting and cooling the product.

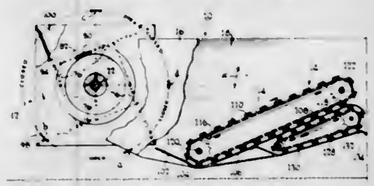
2,547,748
FLEXIBLE LOOP JAR CAP WRENCH
Robert R. Freer, Cleveland Heights, Ohio
Application September 2, 1948, Serial No. 47,457
3 Claims. (Cl. 81—3.43)

3. A screw cap remover comprising a pair of lever members each having a handle portion and an arm portion extending laterally from one end of said handle portion, pivotal means connecting said lever members adjacent to junctures of said handle and arm portions, a flexible member attached at its ends to said arm portions so as to form a loop, and a flat disk disposed intermediate said arm portions and opposite to said loop, said disk having a pair of arcuately shaped toothed portions rigid therewith, said toothed portions disposed relative to each other to form a substantially V-shaped groove, whereby a screw cap placed within said loop may be drawn into said groove and secured therein when



said handle portions are moved toward each other.

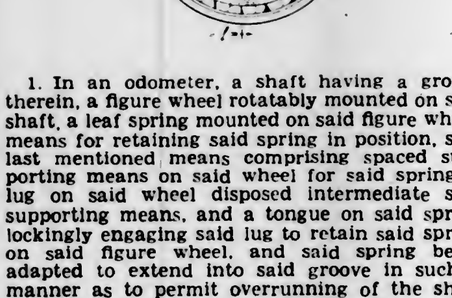
2,547,749
GRAIN STRIPPING MECHANISM
Charles S. Gray, New York, N. Y., assignor of one-half to Nicholas H. Jacovatos, New York, N. Y.
Application August 25, 1948, Serial No. 46,127
13 Claims. (Cl. 56—130)



1. A harvester comprising a stripping mechanism adapted to be carried by a vehicle through a field of standing plants at the level of the grain bearing portions, said mechanism including a row of spaced teeth mounted to turn about a horizontal axis, a finger associated with each tooth, means to adjust the setting of each finger with respect to the space between its associated tooth and the next adjacent tooth, a second finger associated with each tooth and coplanar with the first named finger, means to move said fingers towards and away from each other, and means to turn said teeth and fingers together about said axis in such a direction that when the fingers are in front of said axis they move upwardly; whereby the grain is stripped from the standing plants, said finger moving means being timed to bring said fingers close together when they are moving upwardly.

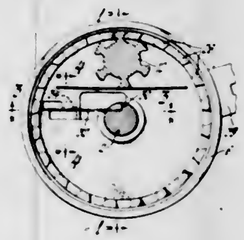
2,547,750
PROGRAMMED TEMPERATURE CONTROL USING A WHEATSTONE BRIDGE
Donald L. Hall, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application April 3, 1947, Serial No. 739,217
16 Claims. (Cl. 236—46)

1. In a device for varying a condition as a function of time, the combination comprising a Wheatstone bridge having input and output terminals, a condition responsive resistor in one of the legs of said bridge, auxiliary impedance means associated with said condition responsive resistor for causing the potential at the bridge output terminals to vary substantially linearly with the condition, a potentiometer having input terminals and output terminals, said input terminals having a potential source connected thereto, constant speed means for driving said potentiometer to vary the potential at the output terminals thereof, means for adjustably limiting the range of movement of the potentiometer,



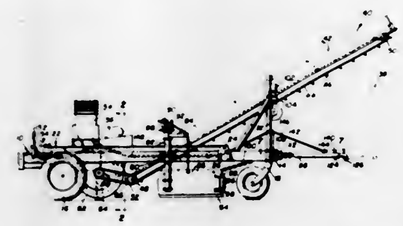
means for correctively adjusting the potential at the input terminals of said potentiometer so that the potential at the output terminals of the latter varies through the same range regardless of the range to which said potentiometer has been adjustably limited, and means responsive to the algebraic resultant of the potentials at said output terminals for correctively varying said condition upon departure of said resultant potential from a predetermined value.

2,547,751
RESETTING DEVICE
Henry H. Harada, Grand Blanc, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 25, 1948, Serial No. 29,049
4 Claims. (Cl. 235—144)



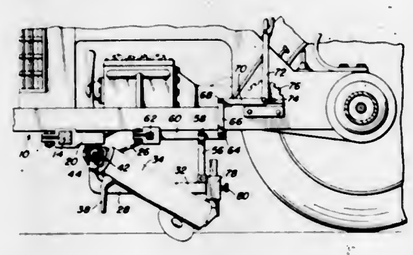
1. In an odometer, a shaft having a groove therein, a figure wheel rotatably mounted on said shaft, a leaf spring mounted on said figure wheel, means for retaining said spring in position, said last mentioned means comprising spaced supporting means on said wheel for said spring, a lug on said wheel disposed intermediate said supporting means, and a tongue on said spring lockingly engaging said lug to retain said spring on said figure wheel, and said spring being adapted to extend into said groove in such a manner as to permit overrunning of the shaft during rotation thereof in one direction and to drive said figure wheel during rotation of said shaft in the reverse direction.

2,547,752
SNOW LOADER
Fred C. Hasskamp, Crosby, Minn., assignor of 1/3 to Severin E. Koop, Crosby, Minn., and by decree of distribution of 6/27 to Laura Hasskamp, 2/27 to Myrtle Hasskamp Murphy, 2/27 to Irene Hasskamp Roth, 2/27 to Fred H. Hasskamp, 2/27 to Robert J. Hasskamp, 2/27 to Kenneth J. Hasskamp, and 2/27 to Patricia Ann Hasskamp
Application December 24, 1946, Serial No. 718,176
3 Claims. (Cl. 37—45)



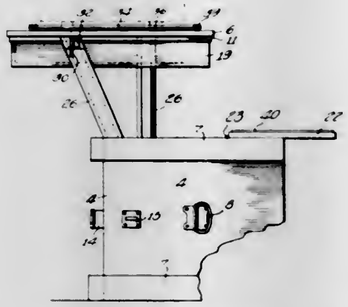
1. A loading device comprising a wheeled frame, a loading elevator supported by said frame, a bed adjustably supported upon said frame, a motor mounted upon said bed, an impeller depending from said bed, means drivingly connecting said motor to said impeller, additional means connecting said impeller to said elevator, discharge guide means for delivering material from said impeller to said elevator, an intake for said impeller disposed below said bed and frame, and adjusting means for elevating said bed relative to said frame for adjusting the elevation of said impeller intake.

2,547,753
PEANUT CULTIVATOR
Richard D. Hennigan, Calera, Okla.
Application March 3, 1949, Serial No. 79,421
4 Claims. (Cl. 97—10)



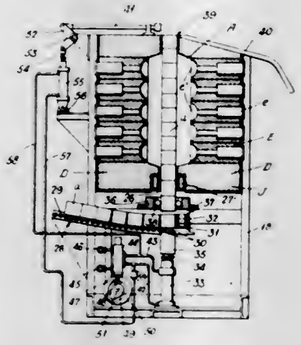
3. A peanut cultivator comprising a wheeled cultivator frame, a transverse shaft and bar journaled on said cultivator frame, cultivator blades on said frame for cultivating a crop row, a dirt elevator having an upper end pivoted on said shaft and having a discharge spout for directing soil upon the crop row undergoing cultivation by said cultivator blades, support means adjustably connecting the lower end of the elevator to said bar, means for rotating said bar for pivoting the elevator about the shaft, a plow carried by the lower end of the elevator for directing soil into an inlet opening at the lower end of the elevator and means for operating said elevator.

2,547,754
COMBINATION TYPEWRITER BOX, DESK, AND SEAT
Robert E. Herrick, Brooklyn, N. Y.
Application January 15, 1945, Serial No. 572,798
4 Claims. (Cl. 312—208)



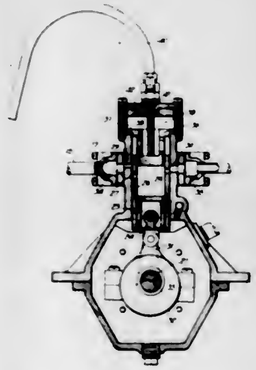
1. A combined typewriter carrying case, desk and seat comprising a flat sided box including front, back, side and bottom walls and a removable top wall, said top wall including hinged extensions on the opposite edges thereof, said front wall comprising a fixed portion and a swingable portion hingedly secured to said fixed portion and adapted to be positioned thereover to form a seat when the case rests on the back wall thereof, opposed guide members secured to the side walls of said case, supports removably mounted in said guide members and extending upwardly above the plane of said seat, and means for removably mounting said top wall in reversed position upon the extremities of said supports whereby said top wall and said hinged extensions form a typewriter desk.

2,547,755
BILLET HEATING
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application July 29, 1947, Serial No. 764,443
4 Claims. (Cl. 263—6)



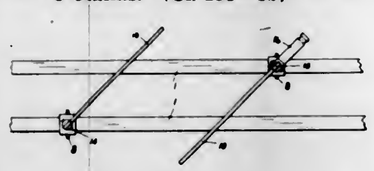
4. In apparatus for heating billets and the like, structure forming a vertically extending furnace chamber substantially rectangular in cross section and including a pair of oppositely disposed walls extending from the top to the bottom of said chamber, and means forming an entrance and an exit passage at opposite ends of said chamber, said passages being smaller than said chamber and forming the ends of a straight vertical heating path extending through said chamber, each of said walls having incorporated therein a plurality of radiant type gas burners, said burners being in vertically displaced rows with the burners of each row extending horizontally substantially the full width of the chamber and facing each other in the opposing walls, whereby billets passing through the chamber will be heated from end to end, means to adjust the burners in each row individually, means to supply billets one after the other through said entrance passage to form a stack of billets in said chamber, said billets being seated from opposite sides as they move through said chamber, and means to remove the billets from the stack as they leave said chamber through said exit passage.

2,547,756
METHOD AND APPARATUS FOR THE RAPID PRODUCTION OF FRIGID AIR
Robert Hoffman, San Francisco, Calif.
Application October 5, 1945, Serial No. 620,449
4 Claims. (Cl. 121—129)



1. Apparatus for producing frigid air comprising an expansion air motor having working cylinders, each of said cylinders containing a piston, a shaft having cranks thereon connected one to each of said pistons, a sleeve valve in each of said cylinders enveloping the piston therein, said valves and said cylinders having admission and discharge ports, means for connecting said sleeve valves to said shaft, means for conducting compressed air to the admission ports, hollow blocks secured one to the head of each cylinder, the blocks projecting into the cylinders, being surrounded by spaces between them and the inside surfaces of the cylinders and having ports communicating with said spaces, another block attached to the heads of the cylinders over the first-named blocks, the last-named block having a chamber therein communicating with the ports in the first-named blocks, and a conduit communicating with said chamber.

2,547,757
ADJUSTABLE ABUTMENT FOR AUTOMOBILE FRAME PRESSES
Le Roy V. Jacobsen, Durant, Iowa, and Gilbert G. Gosline, Rock Island, Ill., assignors to Bee-Line Company, Davenport, Iowa, a copartnership
Application November 19, 1948, Serial No. 61,102
3 Claims. (Cl. 153—32)



1. In a structure for the purpose indicated, making use of a pair of strain-resisting, elongated units; the combination of a clevis-like attaching means having a pivot-receiving opening in its central part and a pair of elongated openings in the end portions of the arms of said attaching means, a pivot member in the pivot-receiving opening turnable to various positions about the axis of the pivot member, and an abutment member pivotally connected to the pivot member to turn about an axis making substantially a right angle with relation to the first pivot member.

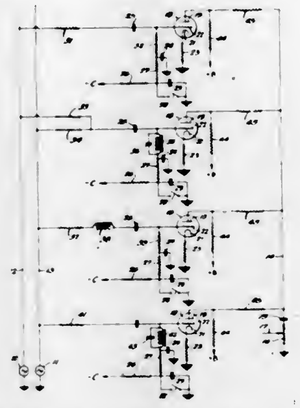
2,547,758
INSTRUMENT FOR TREATING THE MALE URETHRA
Wilmer B. Keeling, Meherrin, Va.
Application January 5, 1949, Serial No. 69,372
3 Claims. (Cl. 128—349)



3. In a device of the class described, a slender cannula having its distal portion curved to facilitate its insertion into the male urethra and provided with three longitudinal passages, an annular circumferential groove near its distal end, and longitudinal grooves in opposite sides of said distal portion inwardly of said annular groove, an inflatable sleeve in said annular groove having its ends secured to the cannula so as to have an air tight joint therewith, one of said passages opening at one end in said annular groove and adapted for connection at its other end with a source of air under pressure, the other passages opening at corresponding ends thereof into the respective longitudinal grooves and respectively adapted for connection at their other ends to a source of medicinal liquid and to a drainage receptacle, and a cap slidably adjustable on the cannula inwardly of the longitudinal grooves and adapted to fit over the head of a penis in which the cannula is inserted.

2,547,759
SIGNAL MIXING APPARATUS
Earle L. Kent, Elkhart, Ind., assignor to C. G. Conn., Ltd., Elkhart, Ind., a corporation of Indiana
Application September 25, 1946, Serial No. 699,168
4 Claims. (Cl. 178—44)

1. In an electrical musical instrument, a plurality of sources of tone frequency currents of different tone qualities, a common output circuit, a plurality of mixer circuits connected in parallel between the sources and the output circuit, each of the mixer circuits including an electron discharge tube having an anode and a control grid, means connecting the grid to at least one of the sources to supply a signal thereto, means to supply a bias voltage to the grid to bias the tube to cut-off, a switch connected to the last named means to remove the bias voltage from the grid so that the tube will conduct, and means for providing a mixing loss for each tube which



is additive for the conducting tubes to produce compression of the signal transmitted thereby comprising, a resistor in series with the anode connecting it to a voltage source, and a connection from the output circuit to a point between the anode and the resistor, said output circuit having a relatively high impedance of the order of the anode impedance of the tube when the latter is conducting.

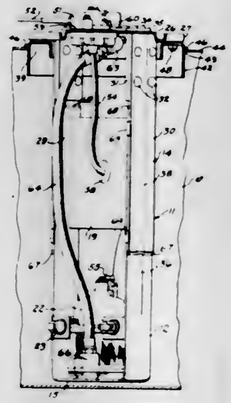
2,547,760
POLYMERIZED FATTY OILS
James C. Konen and Edwin T. Clocker, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company, a corporation of Delaware
Application December 30, 1949, Serial No. 136,103
15 Claims. (Cl. 260—406)

1. The process of treating an unsaturated fatty oil which comprises blowing the unsaturated fatty oil to add oxygen to the molecules of the oil, forming a mixture of the blown oil with boron fluoride as polymerization catalyst in the proportion of at least 0.01 part for 100 parts by weight of the oil, and maintaining the mixture at a temperature between room temperature and 250° F. until the viscosity of the oil is equivalent to the viscosity of an undiluted oil having a viscosity in excess of 100 poises, the oil so produced having a greater tolerance for mineral spirits than the unsaturated oil thickened by blowing alone to the same viscosity.

2,547,761
FUEL PUMP MOUNTING
Alfred C. Korte, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 30, 1949, Serial No. 102,337
2 Claims. (Cl. 222—385)

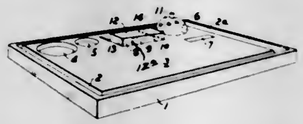
1. Bracket means for supporting and locating an accessory such as an electric fuel pump, within and near the bottom of a fuel tank, comprising a bracket mounting member adapted for attach-

ment to the top wall of the tank and providing a bracket-receiving opening, a bracket adapted for positionment through said opening and vertically in the tank, with its lower end adjacent the tank bottom, said bracket including fuel pump support means at the lower end thereof, a plate on the upper end of the bracket, providing a peripheral flange for seating on and attach-



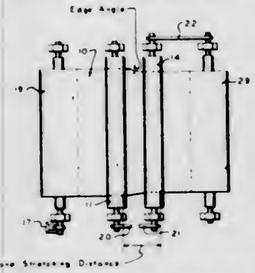
ment to said mounting member, the plate and its flange serving to close the opening in said mounting member, a terminal connector on said plate for electric power supply connection to the electric fuel pump supported by the bracket, and a conduit fitting carried by and exposed on said plate, for connection of the pump discharge to a fuel delivery line.

2,547,762
WATCHMAKER'S TRAY
Herbert F. W. Krug, Detroit, Mich.
Application November 1, 1947, Serial No. 783,530
1 Claim. (Cl. 206—72)



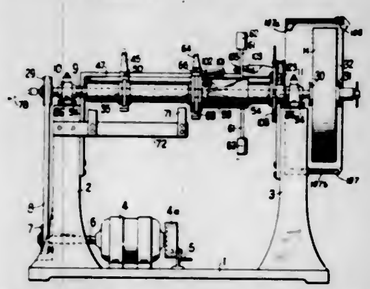
A watchmaker's tray comprising a rectangular body having formed therein adjacent its side and end walls a continuous groove of substantially rectangular cross section, the groove adjacent one end of the body being of greater width than the remainder of said groove, the portion of said tray within said continuous groove being a plane surface having formed therein a plurality of spaced circular recesses of different diameters and a row of recesses of the same diameter, said body having formed therein adjacent opposite ends of said row of recesses a pair of parallel spaced slots, greater in length than the diameter of said latter recesses, and a hollow rectangularly shaped cover for said row of recesses, with its side walls resting upon said plane surface and with its end walls extending downwardly into said spaced slots whereby said cover may be slid therein to uncover said row of recesses.

2,547,763
METHOD OF STRETCHING CONTINUOUS MATERIALS SUCH AS SHEETING AND THE LIKE
Edwin H. Land and William H. Ryan, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 12, 1947, Serial No. 785,290
2 Claims. (Cl. 18—48)



1. A method of stretching continuous material such as extensible organic plastic sheeting and the like while materially restraining the narrowing of the material, comprising subjecting the material to the simultaneous action of a pair of opposed and unequal tensional forces applied to act lengthwise of the material and substantially uniformly thereacross at spaced-apart locations with respect to each other whereby to draw and move the material lengthwise of itself while applying a longitudinal stress to the material which lengthens and thins the material and tends to narrow it, and restraining the material from narrowing by applying said tensional forces closely adjacent each other and at a distance apart at least not greater than one-fifth of the width dimension possessed by the material prior to being subjected to said stretching.

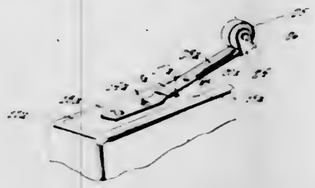
2,547,764
METHOD AND APPARATUS FOR BALANCING ROTORS
Charles H. Lindenberg and Theodore Ongaro, Columbus, Ohio, assignors to Lion Manufacturing Inc., Columbus, Ohio, a corporation of Ohio
Application September 16, 1947, Serial No. 774,189
27 Claims. (Cl. 73—66)



1. The method of balancing a rotor which comprises rotating the rotor to be balanced about the axis upon which it is designed to rotate and causing such axis to oscillate freely, if the rotor is unbalanced, about a point spaced remotely axially from the rotor so as to cause unbalanced radial force only in the rotor to exert a substantial effect to produce such oscillation, bringing the rotor into single plane balance while rotating as indicated by the decrease and ultimate ceasing

of the oscillation of the axis of the rotor, by setting up a counterbalance force at a location axially between the said point and the said rotor but closely adjacent to the rotor and which acts in a plane at right angles to said axis and at an angular position around the axis, where it over comes the said single plane unbalance, making the weight correction on the rotor, as indicated by the angular position and amount of the force, then, with the rotor supported in its original position, rotating it about its own axis again and causing such axis to oscillate freely, if unbalanced axial moments are present therein, about a point different from said first point and located axially between the said plane of said force and said rotor so as to cause the unbalanced axial moments only in the rotor to exert a substantial effect to produce such oscillation, bringing the rotor into couple balance while rotating, as indicated by the decrease and ultimate ceasing of the oscillation of the axis of the rotor, by varying the angular position of the counterbalance force in the same plane about such axis and its effective value so as to overcome said unbalanced axial moments, and finally making the weight correction on the rotor, as indicated by the adjusted angular position and amount of such force, thereby bringing the rotor into running balance.

2,547,765
SWITCH ACTUATOR
Philip A. Lund, Mamaroneck, N. Y., assignor to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Application November 5, 1948, Serial No. 58,587
1 Claim. (Cl. 200—172)

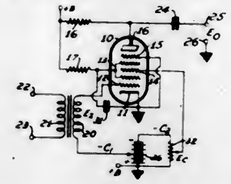


The combination with a switch comprising an operating plunger pin and a casing beyond one face of which the plunger pin projects, said casing having a non-circular depressed area surrounding the plunger pin and attaching bores formed in said area, of an adapter plate fitted in the depressed area of the casing and having openings which register with the attaching bores, fasteners attaching the adapter plate to the casing, and actuating mechanism for the switch operating plunger pin carried by the adapter plate.

2,547,766
VAPOR PHASE HYDRATION
James H. McAteer, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 10, 1946, Serial No. 668,782
5 Claims. (Cl. 260—635)

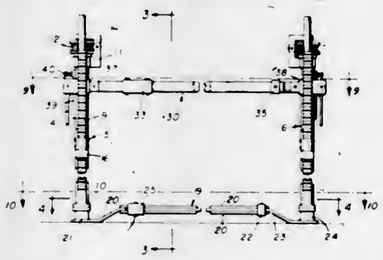
1. A process for the production of a hydration product of an organic compound selected from the group consisting of olefins, olefin oxides, and ethers which comprises, contacting vapors of the organic compound and water vapor in a reaction zone free of liquid in the presence of a solid metallic fluoride catalyst and recovering the hydration product.

2,547,767
VARIABLE PHASE SHIFTER
Wendell C. Morrison, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 13, 1946, Serial No. 676,549
3 Claims. (Cl. 332—27)



2. An alternating voltage phase shifter comprising an electron discharge device including a cathode and anode, a screen grid and first and second control grids, a terminal adapted to be connected to a unidirectional voltage source, a first resistor connected between said terminal and said anode, a second resistor connected between said terminal and said screen grid, a capacitor connected between said screen grid and said cathode, means for applying an alternating input potential to said first control grid, and a circuit connecting said second control grid to said cathode, said circuit comprising a variable unidirectional voltage source.

2,547,768
VEHICLE BUMPER JACK
Alton M. Olson, Northwood, N. Dak.
Application March 11, 1947, Serial No. 733,794
6 Claims. (Cl. 254—100)

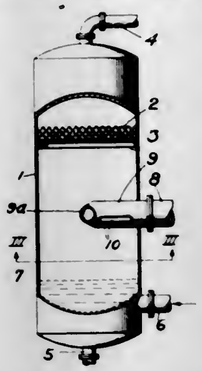


1. A vehicle jack comprising a pair of jack units each including a hollow post, an inverted U-shaped member comprising one leg vertically adjustably mounted in said post and another leg comprising a rack, a lift arm adapted for positioning under a part of a vehicle adjacent each side thereof and adjustably mounted on said rack, and upper and lower separate foldable braces connecting the units.

2,547,769
ENTRAINMENT SEPARATOR
John W. Packie, Maplewood, and Cyril O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 26, 1949, Serial No. 78,532
1 Claim. (Cl. 183—67)

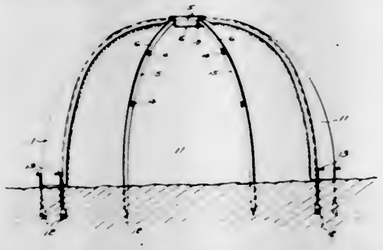
An entrainment separator comprising a separator drum having an outlet for liquids at its lower end and for vapors at its upper end, an inlet for gaseous material intermediate said ends,

a flow distribution member internally of said drum, disposed in a lateral plane through the drum, including a tubular body element communicating at one end with said inlet, and at the other end with opposed tubular branch arm elements, forming a T, a slotted portion longitudinally of each of said elements opening downwardly therethrough within an arc spaced at



either end from the horizontal diameter of said elements by an angle of not substantially less than 30°, said portions directing fluid flow through said inlet downwardly and distributing said gaseous material uniformly in the drum, and a crinkled wire mesh baffle of substantial thickness intermediate said inlet and the outlet for gaseous material.

2,547,770
COLLAPSIBLE SHELTER
Robert S. Pelton, Palm Beach, Fla.
Application September 17, 1948, Serial No. 49,790
9 Claims. (Cl. 135—5)

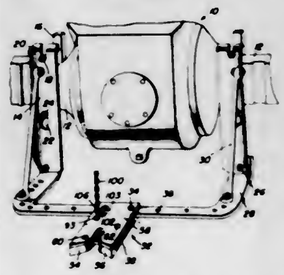


6. A shelter device of generally semi-spherical shape comprising a plurality of flat stays bowed throughout their length, a common pivotal support for the upper ends of the stays to support the stays in a horizontal swinging movement toward and from each other to form and collapse the shelter, said stays reinforced intermediate their ends, the lower ends of the stays twisted at a right angle and provided with an aperture, said pivotal support comprising a pair of spaced parallel plates connected at their forward edges, said stays pivotally supported between the plates, the stays adapted to swing rearwardly toward each other to lie in parallelism, the stays adapted to move away from each other to an extended position, a flexible covering for the shelter connected with each of the stays and with the pivotal support and adapted to be extended with the stays for providing a shelter enclosure, step-on devices rivetted to the stays adjacent their lower ends, the lower edge of the cover fixed between the step-on devices and the stays against displacement, the stays after movement to the collapsed position adapted to be folded upon themselves and a retaining device carried by the pivoted device for the reception of the apertured end of the stays.

2,547,771
SOLDER COMPOSITION
Leopold Pessel, Whitemarsh, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application March 29, 1950, Serial No. 152,755
10 Claims. (Cl. 148—24)

1. A solder paste composition comprising finely comminuted soldering metals and a flux-vehicle comprising a syrupy, aqueous solution of sorbitol.

2,547,772
TRACTOR HITCH
Adolph H. Peters, Columbus, Nebr.
Application January 11, 1949, Serial No. 70,298
5 Claims. (Cl. 280—33.15)



1. A tractor hitch comprising a housing with a notch, said notch having an open end with divergent guide lips and a closed end forming a recess, a latch pivoted to said housing with a notch having an open end forming divergent cam surfaces and a closed end defining a circular recess, said latch being selectively movable into open position with the open ends of the notches in registry for the passage of a coupling member therethrough and into closed position with the recesses registering to form a locking recess for a coupling member with the notches disposed transverse each other, a latch spring urging said latch into open position, a pivoted latch lever in said housing having stop means directly attached to the end of said latch lever for retaining said latch in closed position, actuating means for said lever and retaining means for positively and unyieldingly maintaining said actuating means and said lever in latch releasing position, said stop means including a slide connected to said lever and guided for rectilinear sliding movement in said housing in a direction transverse said housing notch.

2,547,773
PORTABLE LOAD MOVING EQUIPMENT
James F. Pittman, Jefferson County, near Gibson, Ga.
Application September 22, 1947, Serial No. 775,429
1 Claim. (Cl. 254—186)

In portable load moving equipment, the combination of an elongated frame including spaced,

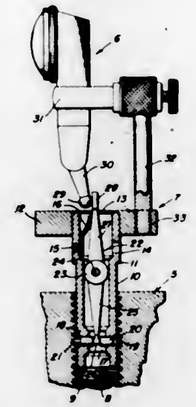
longitudinally extending side rails; a winding assembly comprising a drum, a first shaft therefor and a first belt pulley on one end of the shaft, spaced laterally of the drum; companion first bearings carried by said side rails adjacent one end of the frame, supporting said drum shaft transversely of the frame with said drum in the zone between the side rails and the belt pulley exteriorly of the frame, said first bearings constructed and arranged to permit relocation of the winding assembly, end for end; a pair of stub shafts carried by said side rails adjacent the end of the frame, opposite to said bearings, said stub shafts extending laterally of the frame; a second belt pulley carried by one of said stub shafts in alignment with said first pulley and transferable to the other stub shaft when the winding assembly is reversed end for end; a driving assembly comprising a second shaft, a driving pulley at one end thereof and a driven pulley at the opposite end of the shaft; companion second bearings carried by said side rails intermediate said companion first bearings and



said pair of stub shafts, supporting said second shaft transversely of the frame with said driven pulley in alignment with said first and second pulleys at one exterior side of the frame and said driving pulley at the opposite exterior side of the frame, said second bearings constructed and arranged to permit relocation of the driving assembly, end for end; an endless belt trained about said first and second belt pulleys and a run of said belt therebetween trained about said driven pulley of the driving assembly; adjustable tightening mechanism for said belt, carried by said frame, including an idle pulley located exteriorly of the frame, in alignment with said first, second and driven pulleys, about which said run of said belt is trained and a lever for moving said idle pulley to tensioning and non-tensioning positions with respect to the belt, said tightening mechanism constructed and arranged for transfer to either side of the frame; a flexible draw line connected at one end portion to said drum; and a drag scoop connected to the other end portion of the draw line.

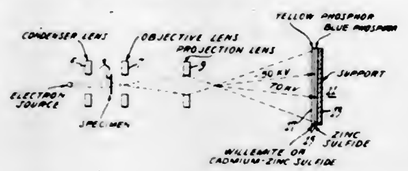
2,547,774
INTERNAL SCREW-THREAD CONCENTRICITY INDICATOR
Alfred R. Prais, Garfield, N. J.
Application June 10, 1948, Serial No. 32,073
7 Claims. (Cl. 33—199)

3. An instrumentality for checking, gauging and indicating the concentricity as well as eccentricity of relationships between the minor diameter and pitch diameter of internal screw-threads comprising an elongated adapter cylinder adapted to be inserted in a screw-threaded bore with its exterior surface in snug fitting contact with the crest portions of the screw threads in said bore, a detecting and measuring end portion of said cylinder being provided with diametrically opposite plunger holes, a plunger transverse to the longitudinal axis of said cylinder, said plunger having end portions slidable in said holes, said plunger being of a total length slightly less than the outside diameter of the cylinder and being provided at one end with a convex extension constituting a feeler adapted to ride in grooves between the threads and adapted to engage the threads at the point of pitch diameter, a lever hingedly mounted in the cylinder at a point intermediate the ends of the lever, that end of the lever engageable with said plunger having a fork straddling the plunger, the opposite end portion of the lever projecting through and beyond the



adjacent end portion of the cylinder, a return spring mounted in said cylinder and engaging the last named end portion of the actuator, and a cap-like knob fitted on and substantially closing one end of said cylinder having a restricted clearance opening for passage of the adjacent end portion of said lever, said adjacent end portion being in the form of a finger grip, and a post mounted on said knob and adapted to support a dial indicator.

2,547,775
FLUORESCENT COLOR SCREEN FOR ELECTRON OPTICAL SYSTEMS
Edward G. Ramberg, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1946, Serial No. 642,950
3 Claims. (Cl. 250—164)



1. A color-selective electron microscope comprising an electron gun for generating an electron beam, a specimen in the path of said beam having different portions which vary differently the velocity of electrons constituting said beam, and a pair of screens of fluorescent materials having different electron-fluorescent color characteristics responsive to predetermined different irradiating electron velocities, one of said screens being superimposed upon the other, and means for directing said velocity-controlled electron beam upon said screens.

2,547,776
BALL THROWING DEVICE
Albert M. Rankin, Hagerstown, Md.
Application December 1, 1944, Serial No. 566,077
3 Claims. (Cl. 273—26)



1. A game device comprising a tubular handle, a grip portion on the inner end of said handle, an aperture in said handle substantially midway of its length and communicating with the interior thereof, a cord having one end fixed to said handle and extending through said aperture into and out through the outer end of said handle said cord being freely slidable in said aperture and said handle, a swivel having one end attached to the free end of said cord, a ball attached to the other end of said swivel by a relatively short flexible line, and a ring slidably received on said cord between the fixed end thereof and said aperture whereby a player may grasp the handle in one hand and the ring in the other hand and propel the ball in an orbital path while varying the radius thereof at will by movement of said ring from said aperture.

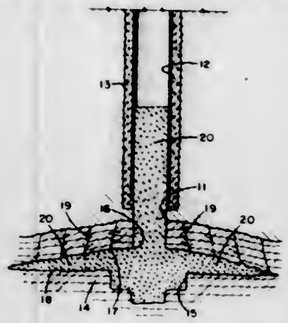
2,547,777
AUTOMATIC CLOTHESLINE
Sam W. Ray, Dallas, Tex.
Application October 29, 1948, Serial No. 57,232
7 Claims. (Cl. 242—102)



7. A clothes line assembly comprising a housing having a shaft mounted for axial movement and rotation therein, teeth adjacent one end of said shaft and complemental teeth carried by said housing, a spring reacting on said housing and said shaft urging said shaft axially and urging said teeth in spaced relation relative to each other, a line wound on said shaft, a tortion spring reacting on said shaft and said housing, said spring being stressed when said line is played out of said housing, said teeth adapted to be enmeshed by manually urging said shaft and compressing said first mentioned spring, and said teeth remaining frictionally locked in enmeshed relation by the rotative force applied to said shaft by tension in said line.

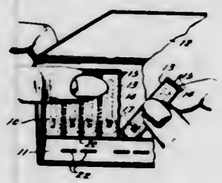
2,547,778
METHOD OF TREATING EARTH FORMATIONS
Carl E. Reistle, Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 5, 1949, Serial No. 103,075
7 Claims. (Cl. 166—21)

1. A method of treating an earth formation for the purpose of increasing the production of a fluid therefrom which includes the steps of drilling a borehole into the formation, under-reaming a selected portion of the borehole in the formation to weaken the same and to increase the area subjected to lifting forces when hydro-



static pressure is applied and then pumping a liquid into the borehole and applying a hydraulic pressure on the liquid and on the selected portion of the formation sufficient to fracture the formation.

2,547,779
DEVICE FOR DISPENSING INDIVIDUALLY SEALED ARTICLES OR COMMODITIES
Walter J. Renyck, Fairfield, Ohio
Application September 25, 1947, Serial No. 776,098
1 Claim. (Cl. 206—56)



A device for dispensing and applying a cosmetic comprising a holder, a series of elongate envelopes, each envelope being sealed along the lateral and end edges thereof, each envelope having at one end thereof a part constituting a receptacle, a semi-fluid substance enclosed in each receptacle, an elongate applying device enclosed in each envelope with one end thereof extending into the semi-fluid substance in said envelope, and means for detachably securing adjacent ends of said envelopes to said holder, said envelopes being individually detachable from said holder in a sealed condition.

2,547,780
CAPACITATIVE PICKUP FOR PRESSURE INDICATORS
Maximilien Félix Reynst, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 8, 1947, Serial No. 727,362
In the Netherlands May 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 16, 1964
3 Claims. (Cl. 175—41.5)

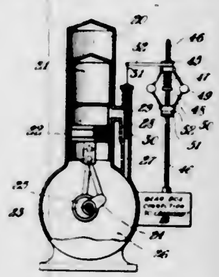
1. A capacitive pressure pick-up comprising a longitudinal support member of insulating material having a relatively low thermal coefficient of expansion, a tubular casing located about said

support member and spaced therefrom, an electrode arranged on an end face of said support, a metal diaphragm spanning said casing in spaced relationship with said electrode, said electrode and said diaphragm forming a first condenser assembly subjected to a given ambient temperature, said diaphragm having a modulus of elasticity which decreases with increasing temperatures thereof, said casing being subject to thermal expansion such as to counteract the effect of the thermal instability of said modulus of elasticity upon proportional changes in the capacitance of



said first condenser due to variations in the pressure upon said diaphragm, an annular electrode arranged on said support member, a portion of said casing concentric with said annular electrode being formed of metal to constitute with said annular electrode a second condenser subjected to an ambient temperature substantially equal to said given ambient temperature, the relative extent of said annular electrode and said concentric portion being such as to maintain a substantially constant capacitance ratio of said two condensers within a given temperature range.

2,547,781
APPARATUS FOR REGULATING THE INDICATED POWER OF HOT GAS MOTORS
Herre Rinia and Heinrich de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 5, 1945, Serial No. 614,572
In the Netherlands May 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 29, 1963
6 Claims. (Cl. 60—24)



1. In a hot-gas engine with a working chamber, a control system comprising a distinct chamber, means including a variable flow-resistant circulation aperture open at all times for coupling said distinct chamber to said working chamber, valve means for varying said flow-resistant circulation aperture, actuating means for operating said valve means, said actuating means being responsive to the speed of said engine.

2,547,782
2-CHLOROPROCAINE SALT OF PENICILLIN
Harley W. Rhodehamel, Jr., Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application October 26, 1948, Serial No. 56,681
7 Claims. (Cl. 167—65)

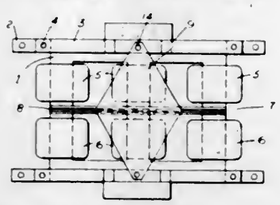
1. A compound represented by the following formula



wherein HP represents the acidic form of penicillin.

3. A therapeutic composition comprising a liquid, injectable suspending medium and solid 2-chloroprocaine salt of penicillin in finely-divided particle size, said penicillin salt being present in an amount greater than will dissolve to saturate the suspending medium.

2,547,783
FLUX BRIDGE TRANSFORMER
Charles C. Roe, Longview, Tex., assignor to R. G. LeTourneau, Inc., Stockton, Calif., a corporation of California
Application September 17, 1948, Serial No. 49,738
5 Claims. (Cl. 171—242)

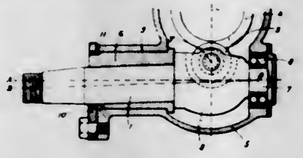


1. A three-phase transformer having a three-legged core containing primary and secondary windings on each leg thereof, said core forming a closed flux path, there being an air space between the two windings on each leg and a bridge of laminated magnetic material inserted in the air space in a manner to overlie each leg of the core which forms a direct flux path between corresponding primary and secondary windings, and insulating shims between said core legs and the bridge, the total thickness of said shims being readily adjustable.

2,547,784
STEERING GEAR ADJUSTING DEVICE FOR MOTOR VEHICLES
Léon Salves, Billancourt, France, assignor to Regie Nationale des Usines Renault, Billancourt, France
Application July 30, 1947, Serial No. 764,889
In France January 9, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires January 9, 1960
2 Claims. (Cl. 74—497)

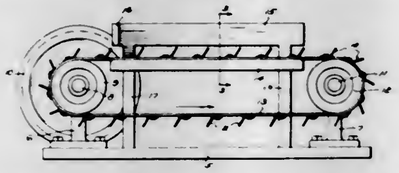
1. A device for the adjustment of the steering gear of motor vehicles, comprising a worm, a roller member disposed to be rotated by said worm, a shaft rotatably supporting said roller member, a swivel bearing supporting one end of said shaft, a bushing supporting the other end of said shaft, and a housing for supporting at least said bearing and said bushing, the outside of said bushing and the inside of the housing portion supporting said bushing having a first axis

at right angles to the line connecting the axes of rotation of said worm and of said roller, and the axis of the portion of the shaft bearing on the inside of said bushing as well as the inside



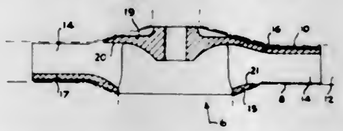
of said bushing having an axis forming an angle with said first named axis and intersecting therewith substantially at the center of rotation of said swivel.

2,547,785
BARK SCRAPING MACHINE
Anthony P. Savickas, Boynton Beach, Fla.
Application September 24, 1947, Serial No. 775,812
1 Claim. (Cl. 144—207)



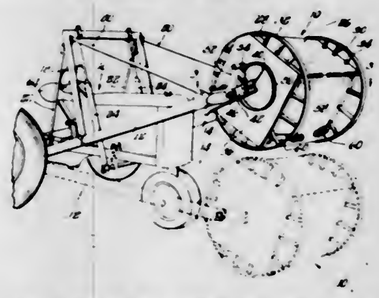
In a debarking machine comprising a base, bearings carried by the base, shafts supported by the bearings, pulleys carried by the shafts, an endless belt supported upon the pulleys, a plurality of flexible scraping blades, positioned transversely of the belt, said blades inclined away from the direction of travel of the belt, a work table for supporting the upper flight of the belt, a work fence mounted on said base adjacent one side of said upper flight for maintaining work in scraping relation to the blades and a head stop carried by the fence and extending above and across said upper flight for retaining the work against longitudinal movement under the scraping action of the blades.

2,547,786
SINGLE SUCTION IMPELLER
Ludwik R. Seinfeld, New Providence Township, Union County, N. J.
Application April 29, 1948, Serial No. 23,971
2 Claims. (Cl. 103—115)



1. A pump impeller of the single suction type having opposite front and rear faces, said pump impeller comprising in combination a hub; a rear annular member surrounding said hub in the plane of said rear face of said pump impeller; vanes carried by said hub secured to said rear annular member; a front annular member surrounding the impeller eye in the plane of said front face of said pump impeller firmly secured to said vanes; and a plurality of ribs, one between each two consecutive vanes, said ribs being arranged alternately on the front and rear face of said pump impeller secured to said vanes and to the corresponding annular members extending from said annular members to the periphery of the impeller in such a manner as to form impeller channels which are alternately open on opposite faces of said impeller.

2,547,787
MIXER FOR CONSTRUCTIONAL AGGREGATES AND THE LIKE
Claude Siebring and Barton Gerard Siebring, George, Iowa
Application January 28, 1948, Serial No. 4,766
2 Claims. (Cl. 259—177)



1. In a device for mixing constructional aggregate and the like and adapted for attachment to and propulsion by a tractor or like propelling vehicle, the provision of a mixing receptacle for containing the aggregate, wheel-like tread means directly and fixedly connected to said receptacle and projecting radially outwardly therefrom whereby to support the receptacle above the ground when the tread means is in contact with the ground, shaft means centrally located with respect to said tread means and projecting outwardly from the ends of said receptacle, frame means adapted for attachment to a tractor or like propelling vehicle for controlled raising and lowering with respect thereto and including side frames connected to said shaft means at the opposite ends of said receptacle whereby the receptacle may be rotated with the tread means in contact with the ground for mixing the aggregate or elevated above the ground for discharging the aggregate, and closure means for the receptacle permitting discharge of the mixed aggregate at a desired location.

2,547,788
ARTIFICIAL FLY
William F. Sivey and Delia I. Sivey, Tecumseh, Nebr.
Application January 21, 1949, Serial No. 71,864
6 Claims. (Cl. 43—42.25)



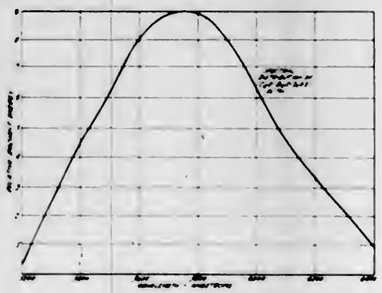
1. A fishing lure having a body portion formed on the shank of a hook, said body portion comprising rows of knots extending longitudinally of said shank, said knots embracing said shank and being alternately tied on opposite sides thereof.

2,547,789
WEDGE CLAMP MECHANISM
Lewis Skeel, Meadville, Pa., assignor to Robert W. Thomas, Meadville, Pa.
Application December 31, 1946, Serial No. 719,535
13 Claims. (Cl. 189—36)



1. A unitary locking device comprising a carrier element adapted for insertion between a pair of members which are to be locked against relative movement, said carrier element having at one end an inclined socket that opens laterally, the side wall of said socket being cylindrically curved, said carrier having a side locking surface, a wedge element in said socket and having a cylindrically curved side wall portion mated to said socket side wall and a smooth side locking surface exposed adjacent the lateral opening of said socket, said side locking surfaces being adapted to engage said members when the device is assembled therebetween, and operating means for slidably moving said wedge element axially of said socket.

2,547,790
CALCIUM BERYLLIUM SILICATE PHOSPHOR
Arthur L. J. Smith, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1949, Serial No. 86,992
3 Claims. (Cl. 252—301.4)



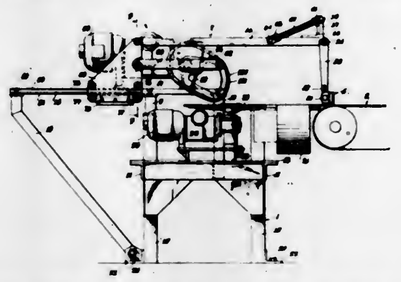
1. A luminescent material having the general formula $x(CaO)y(BeO)z(SiO_2):Mn$ where x is 0.25—1 and y is 0.25—1.6 when z is 1, where the molar ratio

$$\frac{x+y}{z}$$

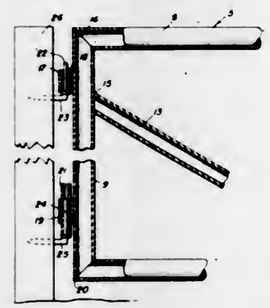
is about 0.5 to 2.1, and in which the molar concentration of Mn is from about 0.001 to about 0.2.

2,547,791
GLASSWARE TRANSFERRING MECHANISM
Opal Smith and Oral C. Dudley, Winchester, Ind., assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application April 4, 1947, Serial No. 739,322
11 Claims. (Cl. 198—31)

7. In a mechanism for removing glassware from a conveyor, the combination of a vertically and generally longitudinally movable arm, a push bar carried by and normally retained in fixed position with respect to said arm, a rotatable cam, said arm resting at its undersurface against a supporting surface of said cam, means for simultaneously moving said arm longitudinally and rotating said cam to thereby move the arm vertically together with said push bar, whereby said push bar may elevate and move transversely over the conveyor so as to pass over any glassware on the conveyor.

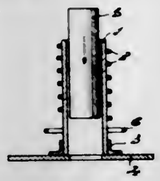


2,547,792
FARM GATE
Floyd E. Speed, Oakfield, N. Y.
Application March 11, 1948, Serial No. 14,212
1 Claim. (Cl. 39—87)



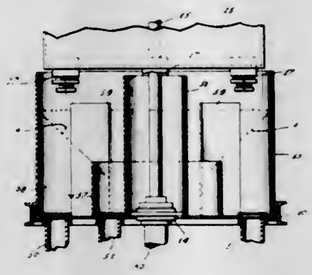
A farm gate of the class described comprising a horizontally elongated rectangular frame embodying spaced parallel upper and lower horizontal frame members and vertical end members connecting said upper and lower members, a pair of vertically disposed bracing struts rigidly interposed between the central portions of said upper and lower frame members, a diagonal brace located and secured between said upper and lower frame members and situated in the space existing between the vertical struts, and a second diagonal brace connected at its lower end with the lower frame member adjacent to one of said vertical bracing struts, the upper end thereof connected with the adjacent end member at a point spaced downwardly from the adjacent upper corner of said frame, and upper and lower hinge knuckles mounted on said last named end member, one, the upper hinge knuckle, being secured to said end member at a point diametrically opposite to the upper end of said second-named diagonal brace, the remaining, the lower hinge knuckle, also secured to said end member, being provided with a bushing, said bushing being comparatively long and being freely slidable in said last-named knuckle for self-adapting connection with a fixed hinge pintle on a stationary gate supporting post.

2,547,793
SLIDE CORE COIL FOR A TUNED CIRCUIT HAVING A CONSTANT SELECTIVITY
Theodorus Antonius Spoor, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 2, 1946, Serial No. 666,562
In the Netherlands January 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 5, 1962
3 Claims. (Cl. 171—119)



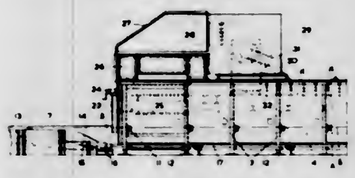
1. A variable high-frequency inductance tuning system comprising an electrically conducting base member, an electrically insulating hollow coil supporting member secured to said base member, a coil winding arranged on said coil supporting member and spaced from said base member, a core member of magnetic material adapted to enter one end of said coil over a wide range, thereby permitting tuning of the system on divergent wave-lengths, and a portion of a short circuited electrical conductor of higher electrical conductivity than the conductivity of said base member positioned in the space between the coil winding and said base member remote from the end of the coil into which the core enters for reducing eddy-current losses in said base member and to maintain constant damping of said coil irrespective of the position of said core with respect to said coil winding and said base member.

2,547,794
DISTRIBUTOR FOR DIVIDING A FLOWING STREAM OF MATERIAL
Spencer A. Stone, Fort Wayne, Ind., assignor to The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana
Application September 13, 1946, Serial No. 696,900
2 Claims. (Cl. 222—330)



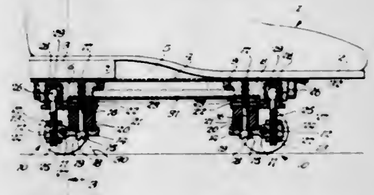
1. In apparatus of the type described, an annular series of main compartments each having radially spaced, circumferentially extending walls and circumferentially spaced, radially extending walls, a distributor arranged to receive bulk material and to distribute it equally among such main compartments, and a take-off pipe for each of said main compartments and connected thereto near the bottom thereof, one circumferentially extending wall of each compartment having an upper edge located below the upper edges of the radially extending compartment walls, whereby upon any interruption of discharge from any compartment through the associated take-off pipe the material collecting in such compartment will spill over such circumferentially extending wall before reaching a height sufficient to spill over a radially extending wall into an adjoining compartment.

2,547,795
ELECTRIC ANNEALING FURNACE
John J. Stordy, Albrighton, Wolverhampton, England, assignor to Stordy Engineering Limited, Wolverhampton, England
Application November 4, 1949, Serial No. 125,413
In Great Britain November 16, 1948
1 Claim. (Cl. 13—20)



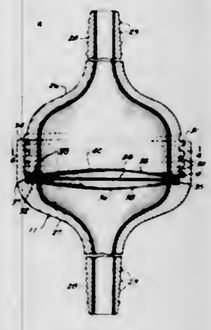
A furnace for the continuous annealing of metal objects, comprising in combination a furnace chamber, means for conveying the objects through said chamber, two heating chambers one over each end of the furnace and each having an inlet to the furnace chamber at the respective end, a readily removable battery of electric heating elements, each of which can be selectively switched on, in each of the two heating chambers, two fans associated one with each heating chamber and connected for blowing air therethrough and through the respective inlet into the respective end of the furnace chamber and for drawing air from the mid zone of the furnace so that said air will be reheated and recirculated, and baffles extending across the furnace chamber and from the respective inlets to the mid zone so as to direct the hot air flows from the ends of the furnace chamber and over the objects to the mid zone from which the air is drawn off by the fans.

2,547,796
ROLLER SKATE
Carl Einar Swensson, Buffalo, N. Y.
Application September 6, 1946, Serial No. 695,178
18 Claims. (Cl. 280—11.28)



1. A roller skate comprising a sole plate, a pair of wheel hangers beneath and spaced apart along said plate, each hanger carrying an axle and having an apertured platform extending to one side of said axle, and an arm to the other side of the axle, a compression cushion disposed between said platform and said sole plate, a screw passing through an aperture in said platform and having a threaded connection to said sole plate, the outer end of said screw having a head bearing rockably against said platform, so as to clamp said cushion between the platform and sole plate under pressure determined by the compression of said cushion, a rod extending transversely through said arm and adjustable lengthwise through said arm, the upper end of said rod carrying a partially spherical head, a seat for said head carried by said plate, whereby the pressure on said cushion may be varied while maintaining the same rocking angle of the hanger, and roller wheels carried by said axles.

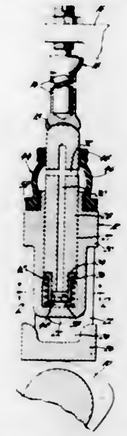
2,547,797
MILK FILTER
John E. Torrey, Shawano, and Lester Kasson, Clintonville, Wis.
Application February 21, 1948, Serial No. 10,116
7 Claims. (Cl. 210—164)



1. A milk filter adapted to be inserted into the main milk line of a milking machine, comprising an enclosed housing having an inlet connection at one end and an outlet connection at the opposite end, a flexible filter pad extending transversely in said housing and positioned intermediate said inlet and outlet connections, a first strainer plate positioned adjacent one side of said filter pad and having a concavo-convex cross-sectional shape with the central portion thereof curved away from said pad, a second strainer of similar cross-sectional shape positioned adjacent the opposite side of said pad with its central portion curved away from said pad, said strainer plates clampingly engaging the periphery of said flexible filter pad, and said flexible pad being sufficiently flexible to provide for flexing movement into and out of surface contact with the curved inner surface of at least one of said strainer plates, and supporting means formed around the interior of said housing clampingly engaging the periphery of said plates.

2,547,798
SELF-CONTAINED HYDRAULIC TAPPET
Clyde W. Truxell, Jr., Grand Rapids, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1946, Serial No. 646,529
3 Claims. (Cl. 123—90)

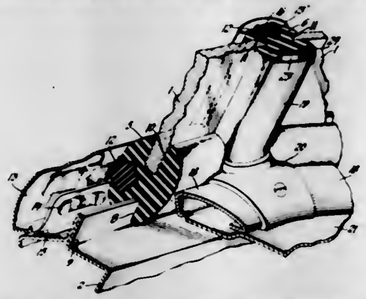
1. In a lash take-up device for valve gear and the like, the combination of a cylinder having one end closed, a plunger reciprocably mounted in said cylinder with one end extending outwardly of said cylinder for engagement with said valve gear, said plunger having a cross-section uniform throughout substantially its entire length providing engagement with the cylinder throughout a major portion of the depth of said cylinder, a reduced end of uniform cross-section at its other end and intersecting longitudinal and transverse passages for communication between the interior of said device and the exterior of said plunger beyond said cylinder, a cylindrically shaped valve cage fitted on said reduced end, said cage having a flange engaging the shoulder formed at the junction of the body of the plunger and said reduced end and an elongated aperture in the bottom of said cage, a disk valve in said cage adapted to close said longitudinal passage when forced upwardly by pressure of the fluid beneath the plunger, said reduced end limiting the upward travel of said disk valve in said cage, said cage adapted to transmit force between said plunger and the bottom of said cylinder in the absence of fluid, said reduced end serving to reinforce a portion of the tubular wall of said cage, a cylindrically coiled spring surrounding said cage and engaging said flange and the bottom of said cylinder yieldingly urging the plunger outwardly and a flexible annular seal encircling the plunger and secured at its opposite ends to the plunger outwardly of said transverse passage and to said cylinder, said seal comprising a flexible sleeve and metallic bands encircling the ends of the sleeve and holding the sleeve in fluid-tight relation to the plunger and cylinder.



2,547,799
WINDOW MOUNTING
James H. Wernig, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 16, 1947, Serial No. 741,731
3 Claims. (Cl. 296—84)

1. In combination a pair of panels arranged in slightly spaced end to end relation, a connector strip of elastic deformable material disposed between the adjacent edges of said panels, rear, front, and side walls on said connector strip, said rear wall having a longitudinally extending groove therein, a rigid mounting strap extending into said groove, flange means integral with said connector strip and extending inwardly from the sides of said groove to overlap said strap and retain the connector thereto, each of said side walls having a longitudinally extending substantially U-shaped groove therein for receiving one edge of each of said panels respectively, said front wall

having a longitudinally extending groove therein, said last mentioned groove having an enlarged interior for receiving an inwardly extending spreader, retaining means overlying both sides of said front wall groove, and a spreader mounted



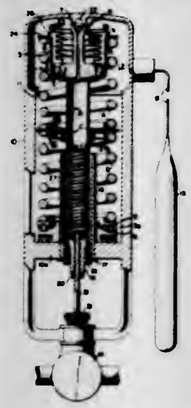
in said last mentioned groove to thereby, in cooperation with said rigid mounting strap, reduce the width of said U-shaped grooves and bring the walls thereof into tightly clamping engagement with the edges of said panels.

2,547,800

TEMPERATURE CONTROLLED ACTUATING MECHANISM

Charles Alfred West, Southbridge, Mass.

Application April 14, 1948, Serial No. 21,014
In Great Britain March 15, 1948
4 Claims. (Cl. 236—99)



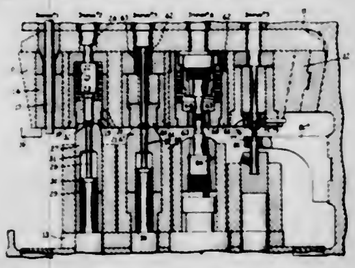
1. Mechanism for moving a valve under control of a fluid-filled device which is responsive to temperature changes, said valve-moving mechanism comprising a chassis frame, a cup, a bellows support or hub and a bellows member attached at its upper end to the edge of the said cup and fixed at its lower end to an expanded portion of the said hub, the said hub being seated at its upper end on the end of the said chassis frame and centered by a spigot loosely fitting into a central hole drilled in the centre of the end wall of the said chassis frame, the said cup being movable in a straight line longitudinally and coaxially of the said chassis frame on compression or expansion of the said bellows member, a good clearance being provided between the outer surface of the said bellows and the inner surface of the said cup, said bellows member, said cup and said hub defining an enclosed space exterior of the said bellows and in communication with the said fluid-filled device, a tube or drive stem suitably attached to the centre of the closed end of the said cup and depending therefrom and operatively connected to the valve to be moved, a guiding support member or adjusting nut adjustably threaded to a hollow adjusting screw which is secured in the said chassis frame, the said screw being provided internally at its lower end with an anti-friction bearing in which the lower end of the said drive stem is freely slidable in a straight line co-axial with the said chassis frame, a spring centering guide member freely slidable on the said drive stem, a compression coil spring surrounding at a distance said cup and said drive stem and interposed between a flanged collar seated on an expanded bead on the exterior of said cup near its upper end and said guide member and a second compression coil spring surrounding at a distance said drive stem and exterior of said hollow adjusting screw and interposed between said guide member and said guiding support member or adjusting nut, and the ends of the two said springs being centered and held clear of said cup and said drive stem by portions of said flanged collar seated on an expanded bead on the exterior of said cup, the said guide member and said guiding support member or adjusting nut which project within the end portions of the said springs, any sideways deflection of the said cup and any friction between the said cup and said bellows or between the said cup and said hub being obviated by a plurality of anti-friction pulleys symmetrically arranged in a circle concentric with the axis of the chassis frame and pivoted in radial slots in the expanded lower end of the said hub, the axes of the said anti-friction pulleys being in a plane at right angles to the longitudinal axis of the said chassis frame thus facilitating the longitudinal motion of the said cup and said drive stem, the overall diameter of the anti-friction pulleys being such as to allow only a small working clearance between the said pulleys and the inside surface of the said cup.

2,547,801

METHOD OF AND MEANS FOR MAKING DOUBLE CHAMFERED NUTS OR THE LIKE

Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut

Application April 21, 1945, Serial No. 589,634
6 Claims. (Cl. 10—86)



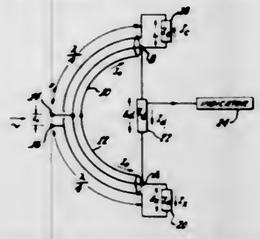
4. The method of making nut blanks of polygonal shape which comprises cutting a workpiece from a length of solid rod stock and then reducing the cross-sectional size of the workpiece at one end thereof while maintaining the original cross-sectional size of the remainder of the workpiece, and simultaneously forming on the side walls of said reduced end a plurality of flat faces, and then enlarging the workpiece adjacent the central portion thereof and forming flat faces on the sides of the enlarged portion by pressure on both faces of the workpiece while confining the latter in a suitable die.

2,547,802

TRANSMISSION LINE MEASURING SYSTEM

Oakley M. Woodward, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 27, 1948, Serial No. 46,483
6 Claims. (Cl. 175—183)



1. In a testing and measuring system for high frequency transmission line applications, in combination, two serially connected quarter-wave transmission lines of the same characteristic impedance, high frequency signal input means connected at the junction of said lines, a terminating impedance for one of said lines equal to said characteristic impedance, a test impedance terminating the other of said lines, and means connected directly between said terminating impedances for detecting and indicating voltage differences across said terminating impedance.

2,547,803

PEN CAP

Philip Adams, Toronto, Ontario, Canada

Application January 23, 1947, Serial No. 723,713
1 Claim. (Cl. 120—42.05)



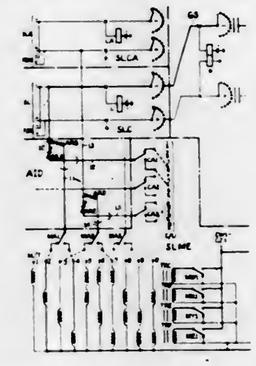
In a sleeve like fountain pen cap closed at one end to form an ink well and open at its other end; a funnel like ink well cap, said funnel like cap being opened at its wide and at its narrow ends, means for sealing the peripheral edges of the wide end of said ink well cap to the sides of the interior of the fountain pen cap in spaced apart relation to the end thereof that is open to dispose the narrow end of said ink well cap in spaced relation to the ink well formed in the bottom thereof, the open narrow end of said ink well cap being aligned with the open large end and being large enough to admit a pen nib as said pen cap is extended over the pen.

2,547,804

TELEPHONE LINE IDENTIFICATION SYSTEM

George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application June 13, 1947, Serial No. 754,561
In Great Britain July 25, 1946
8 Claims. (Cl. 179—27)



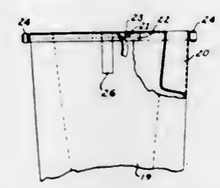
1. In a telephone system, subscribers' lines, a plurality of common leads, means for applying coded marking signals to said common leads, at least one non-linear resistance element associated with each subscriber's line and connected on one side to one of the speech conductors of said subscriber's line and on the other side to at least one of said common leads in accordance with the numerical designation of said subscriber's line, common biasing means, and means responsive when one of said lines is to be identified for applying a bias derived from said biasing means to the non-linear resistance element associated with said line to permit the passage of the coded marking signals through said non-linear resistance element and over said speech conductor.

2,547,805

VACUUM CLEANER DUST BAG

Arnold H. Beede, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware

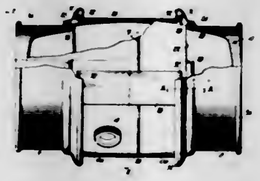
Application April 11, 1945, Serial No. 587,756
3 Claims. (Cl. 183—51)



1. A dust collecting receptacle for vacuum cleaners comprising a body formed of porous material, a flexible mouth portion for said re-

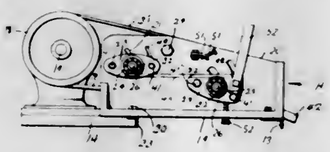
ceptacle, and resilient means for normally restraining said mouth portion to closed position, said means comprising a pair of leaf springs disposed on either side of said mouth portion, said springs being preformed with matching longitudinally convex curvatures, and normally lying in substantially parallel planes with opposite sides of the mouth portion held in contact thereby, said springs being united at their ends beyond the edges of the mouth portion, and being spaced apart at their ends beyond the bag mouth a distance equal to the thickness of the mouth material therebetween.

2,547,806
CONTAINER AND SHIELDING THEREFOR
Ernest H. Benson, Kansas City, Mo.
Application July 12, 1948, Serial No. 38,227
21 Claims. (Cl. 220—71)



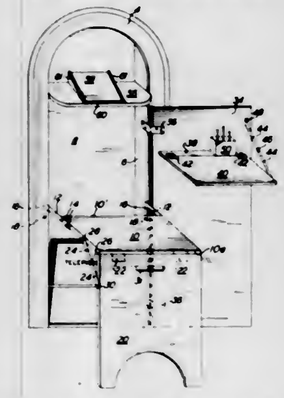
1. In combination, a container, a pair of sleeves encircling opposite ends of the container, means on the container holding the sleeves apart in axially spaced relation, a plurality of longitudinal tension links bridging the space between the two sleeves, said links spaced circumferentially about the container and each link having its opposite ends detachably connected to the respective sleeves to prevent same from moving apart said holding means comprising opposed parts on said container and sleeves, and a resilient deformable buffer between said parts.

2,547,807
TENONER
Elmer H. Bryant, Oklahoma City, Okla., assignor of one-half to Cyril Woodrow Bryant, Oklahoma City, Okla.
Application May 5, 1948, Serial No. 25,249
2 Claims. (Cl. 144—203)



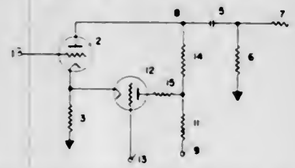
1. In a tenoner, a main vertical support, a pair of horizontally spaced supporting elements pivotally mounted on one side of said main support, one of said elements being in a plane slightly below the other, an arbor journalled in each of said elements and extending through the same and said main support, a cutting bit mounted on the outer end of each of said arbors, means for securing said elements in different angular relationships, and power driven means interconnecting the inner ends of said arbors for imparting rotary motion to the same and said cutting bits.

2,547,808
TELEPHONE CABINET
Robert H. Burrage, Arlington, Va.
Application July 30, 1948, Serial No. 41,490
6 Claims. (Cl. 312—235)



1. A telephone cabinet, comprising a seat pivoted on a horizontal axis near the front of the cabinet, the pivot being located a substantial distance below the level of the seat when it is horizontal, whereby the seat when folded into a vertical position is positioned at the back of the cabinet, leaving a free space in front of the folded seat; a door for the cabinet pivoted on a vertical axis; and a foldable shelf, pivoted on a horizontal axis on the inside of said door, above the level of said seat, and foldable into a vertical plane, and positionable when folded, with the door closed, in said free space in front of the folded seat.

2,547,809
PULSE ABSORBING CIRCUIT
Michael J. Burger, Murray Hill, N. J., assignor to the United States of America as represented by the Secretary of the Navy
Application November 26, 1945, Serial No. 630,936
5 Claims. (Cl. 250—27)



1. In an amplifying tube circuit, a first tube having an anode, a cathode and a control grid, an input circuit adapted to be connected to a signal voltage source, means impressing said signal voltage on the control grid of said first tube, circuit means connecting said cathode of said first tube to ground through a resistor and said anode to the positive terminal of said direct current power source through a tapped plate resistor, an output circuit for said amplifying tube circuit comprising a coupling condenser connected to the anode of said tube, a second tube having an anode, a cathode and a control grid, circuit means connecting the cathode of said second tube to the cathode of said first tube and the anode of said second tube to the tap on said plate resistance, biasing means interconnecting said second control grid and ground to render said second tube non-conducting, whereby said first tube transmits the voltage impressed on its input circuit to its output circuit, and means for applying a positive voltage to the control grid of said second tube to render said second tube conducting, whereby said first tube is rendered non-conducting by the voltage produced by said cathode bias resistor and the anode voltage of said first tube is maintained substantially unchanged by the voltage drop produced in said anode resistor.

2,547,810
APPLIANCE USEFUL IN PERMANENT WAVING OF HAIR
Marion Irving Burgess, Chicago, Ill., assignor of one-sixth to William D. Adams, one-sixth to Chester M. Miller, and one-sixth to Harold P. Wright, all of Chicago, Ill.
Application December 5, 1946, Serial No. 714,166
8 Claims. (Cl. 4—159)



1. In combination in a hair waving aid, a unitary split ring trough appliance formed from resilient material and adapted to be applied entirely about the head of a person receiving a permanent wave, the forward portion of the appliance comprising a pair of flexibly spreadable arms overlapping at their terminals, the rear portion of the appliance integrally joining said arms and being substantially enlarged and deepened to afford a liquid receptacle into which the trough of the arms drains, the appliance having an upstanding inner wall flange, a liquid sealing gasket of sponge rubber or the like carried by said inner wall flange, and a tensioning band disposed between the flange and gasket to urge the flange and thereby the gasket into snug self-adjusting embrace about the head.

2,547,811
REAR DOORWAY FOR AIRFOIL FUSELAGES
Vincent J. Burnelli, Red Bank, N. J.
Application September 25, 1945, Serial No. 618,465
3 Claims. (Cl. 244—118)



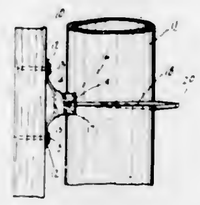
1. In an all-wing airplane, a central airfoil body portion to contain the power plant and load, a height increasing hatch imposed longitudinally over the middle section of said body portion, reinforcing portal frames defining said middle section, said portal frames extending into said hatch, and upper and lower trailing edge door portions on said hatch and middle section, hinged, respectively, to the rearmost of said portal frames, said trailing edge portions forming a rear fairing door, that when open serves to admit and discharge cargo.

2,547,812
ANTISLIPPING DEVICE
Anthony A. Carabatsos, Haverhill, Mass.
Application March 22, 1950, Serial No. 151,260
2 Claims. (Cl. 36—7.7)



1. An anti-slipping device comprising a top layer of leather, a layer of fabric arranged therebeneath, strips of leather folded over the marginal edges of said layers and secured thereto, a layer of fabric arranged under said first layer of fabric, a bottom layer of fabric arranged under said second layer of fabric and having its marginal edges folded thereover and secured thereto, said layers of leather and fabric being secured together, a band secured to said device adjacent the front end thereof for receiving the toe of a shoe, a second band secured to said device adjacent its other end for receiving the vamp of a shoe, and a band secured to said second band and extending rearwardly thereof for engaging with the heel of a shoe.

2,547,813
CONDUCTOR PIPE HANGER
Omer B. Coons and Herbert P. Dukes, Crawfordsville, Ind.
Application May 22, 1947, Serial No. 749,746
4 Claims. (Cl. 248—74)

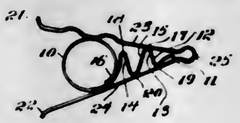


1. A pipe hanger comprising a bracket body having a seat portion conforming substantially to the shape of one side of the pipe to be accommodated, wings projecting from the sides of said seat portion and laterally aligned with one another, each wing having an opening therein, anchoring plates integral with said bracket and projecting outwardly from the ends of said seat portion, an open clamping wire conforming substantially to the lateral contour of said pipe, hooks at the ends of said wire to engage and lock in said openings, and a tensioning twist loop in said wire intermediate the ends thereof.

2,547,814
BOBBY PIN SPREADER
Barbara T. Cuff, Huntington Beach, Calif.
Application October 25, 1949, Serial No. 123,509
4 Claims. (Cl. 132—1)

1. A bobby pin spreader comprising a wedge shaped element having transversely disposed cor-

rugations therein with high points of the corrugations in planes converging toward the point



of the wedge and with gripping means at the large end thereof.

2,547,815

COPOLYMERIZATION OF VINYLIDENE HALIDES WITH CERTAIN ETHYLENICALLY UNSATURATED COMPOUNDS

Willem Leendert Johannes de Nie, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 14 1947, Serial No. 760,929. In the Netherlands December 10, 1942

Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1962
13 Claims. (Cl. 260—87.7)

7. A process for producing a copolymer of a vinylidene halide and an ethylenically unsaturated compound selected from the group consisting of vinyl halides, vinyl esters of saturated monocarboxylic acids, styrene, acrylic acid esters of saturated monohydric alcohols, methacrylic acid esters of saturated monohydric alcohols and butadiene, containing from 5% to 15% by weight of the vinylidene halide comprising emulsifying the said ethylenically unsaturated compound with a mixture containing water, an emulsifying agent and a polymerization catalyst, heating the resulting mixture at a temperature between 20° C. to 80° C. until the induction period of the ethylenically unsaturated compound is substantially complete, then rapidly adding to the resulting mixture the vinylidene halide in amount slightly in excess of the amount to be present in the final copolymer, and maintaining the resulting mixture at the same temperature employed prior to the addition to complete the polymerization.

2,547,816

KEY CONTAINER COMBINED WITH A FLASHLIGHT

Forest M. Duncan, New York, N. Y.

Application November 8, 1948, Serial No. 58,940
15 Claims. (Cl. 240—6.4)



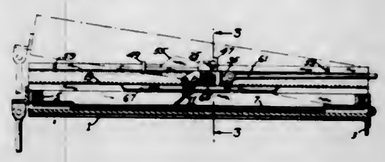
1. In a combined lighting and key holder device for generally flat keys: a generally flat housing having an elongated light housing part and an adjoining key housing part, said light housing part having an open housing end portion and being shaped to hold an electric battery structure and an electric light bulb axially aligned at its open end portion so that one electric terminal of the bulb makes contact with one electric terminal of the battery structure; an electrically insulated electric socket contact element positioned in the region of the open housing end portion for engaging the other terminal of said bulb; said key housing part comprising at least one elongated slotted wall section having an elongated guide slot extending substantially parallel to the axis of said light housing part; a generally elongated grip member extending transversely to said slotted wall section movably held in said guide slot, said grip member having a lateral flange portion engaging the inner side of the slotted wall section and an inward end portion shaped to enter and engage the bow-hole of a key held against the inner surface of said slotted wall section so that by moving said grip member in said slot the key stem of the key is moved from a retracted position within said housing to an outward position outside said housing in which said key stem is exposed for insertion into a lock hole illuminated by said bulb; said grip member constituting the sole sliding element moving with the associated key and an insulatedly held electric contact member electrically connected to said socket contact element and having a contact portion exposed in the region of said key housing part facing the inward protrusion of said grip member at least in the outward position thereof; said grip member having an electric contact element electrically connected to the other terminal of said battery and arranged to make electrical contact with the contact portion of said contact member for energizing said light bulb when the stem of said key projects outwardly from said housing.

2,547,817

SQUEEGEE OPERATING AND CONTROL MECHANISM

Stanley L. Frank, Oakland, Calif.

Application September 25, 1948, Serial No. 51,283
10 Claims. (Cl. 101—123)



3. Squeegee operating and control mechanism for screen printing apparatus of the type involving a platen and a removable screen thereon, comprising track means mounted on said platen and extending along each longitudinal side of such screen for movably supporting a squeegee carrier assembly; a squeegee carrier assembly movably supported thereon, a carrier for each end of such squeegee and a cross-bar interconnecting the same; each of said end carriers including an assembly slidably engaging said track means and lift-and-reversing cam means resistively mounted on said track means engaging assembly; a squeegee end-supporting bracket secured in each of said track means engaging assemblies and having a cam follower engageable with said lift-and-reversing cam means; means for reciprocally moving said squeegee carrier assembly on said track means; and means for causing relative movement between said cam means and said track means engaging assemblies as the end carriers approach the termination of each stroke.

2,547,818

OPERATOR-SUPPORTED POWER DRILL

Everett P. Gould, Hebron, N. Y.

Application November 2, 1946, Serial No. 707,416
3 Claims. (Cl. 144—104)

1. A portable power drill including a frame having a base plate, an upright with a bearing

therein, a supporting harness comprising upwardly extending metal straps having curved upper end portions to hook over the shoulders of an operator and transversely disposed breast straps rigidly secured to said metal straps, said metal straps being rigidly secured to said base plate, an engine secured to said base plate, a power take-off pulley operatively connected to said engine, a shaft rotatively mounted in said bearing, a second larger pulley on said shaft end



operatively connected to said power take-off pulley, laterally extending hand grips mounted on said upright to steady the drill while in use, and a chuck secured to the outer end of said shaft, said engine having a governor and a controlling lever operatively mounted on the side of one of said hand grips adjacent said breast straps, whereby the machine can be firmly supported by the operator while the controlling lever is being shifted.

2,547,819

VINYL ETHER-TRI- OR TETRACHLOROETHYLENE INTERPOLYMERIZATION PRODUCTS AND PROCESS OF PRODUCING THE SAME

Frederick Grosser, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 29, 1945, Serial No. 631,778
8 Claims. (Cl. 260—87.5)

7. The method of polymerization which comprises heating to a temperature of 50–60° C. in the presence of an oxygen supplying polymerization catalyst, a mixture of a vinyl ether of an alkanol having from 1 to 4 carbon atoms and a chlorinated ethylene selected from the group consisting of trichloroethylene and tetrachloroethylene in molar proportions of 1:4 to 4:1.

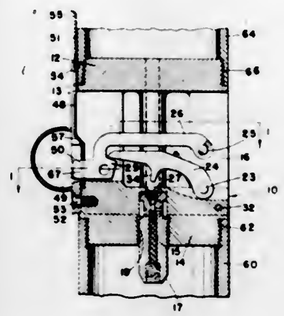
2,547,820

FUSE AND IGNITER

Gustaf W. Hammar, Moscow, Idaho, George A. Noddin, Wenonah, N. J., and Donald E. Rosen, Takoma Park, and Frank J. Trelease, Oxford, Md., assignors to the United States of America as represented by the Secretary of the Navy

Application December 29, 1945, Serial No. 638,390
3 Claims. (Cl. 102—7)

1. In combination, in under water fuse actuated apparatus: a first tube defining a gas receiving chamber, a second tube defining a fuel igniting chamber; and a fuse assembly connecting said chambers in cooperating relationship; said assembly comprising: an axially bored metallic fuse cartridge; a percussion primer; a trigger arranged to detonate said primer; a tripper arranged to release said trigger; a trip bar arranged to actuate said tripper; said bar being mounted for longitudinal sliding engagement along the outer surface of one of said tubes; circular end plates engaging said tubes; a pair of aligned gas ducts in each of said plates; said plates being spaced apart by four posts positioned circumferentially at intervals of ninety degrees; one of said posts being adapted to piv-



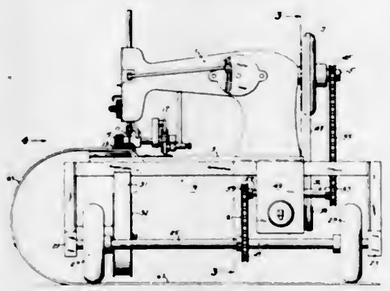
otally support said trigger and said tripper; the opposite of said posts being adapted to guide the free end of said tripper into cooperating engagement with said bar; each of the other of said posts having gas ducts therein in respective alignment with said ducts in said plates.

2,547,821

RUG BINDING APPARATUS AND METHOD

Thomas M. Hartwell, El Cerrito, Calif.

Application February 25, 1950, Serial No. 146,245
8 Claims. (Cl. 112—7)



1. Apparatus for use with conventional type sewing machines having a drive shaft and pulley thereon, comprising a frame having means for accommodating and holding such conventional type sewing machine, said frame including an axle, wheels mounted on said axle for supporting said frame, a motor carried by said frame and a pulley in drive connection with said motor, means including said pulley for effecting a drive connection to the pulley of such machine, and means for effecting a drive connection from said motor to said wheels, said means including a speed-reduction gear assembly in drive connection with said motor, and a drive connection from said speed-reduction gear assembly to said axle.

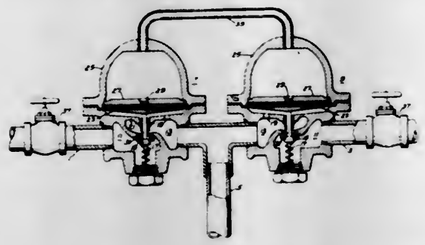
2,547,822
FUMIGANT COMPOSITION OF ACTIVATED SILICA GEL AND DIHALO-ALKENE
Julius E. Johnson, Jr., Midland, and Dorsey R. Mussell, Clare, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application September 6, 1947, Serial No. 772,590
6 Claims. (Cl. 167—42)

1. A granular free-flowing fumigant composition comprising as an active toxicant a dihaloalkene having the formula

$$Y—CH_2—CH=CH—X$$

wherein Y is selected from the group consisting of chlorine and bromine, and X is selected from the group consisting of chlorine, bromine, chloromethyl and bromomethyl radicals, adsorbed on activated silica gel of particle size from 4 to 200 screen mesh (Tyler Screen Series).

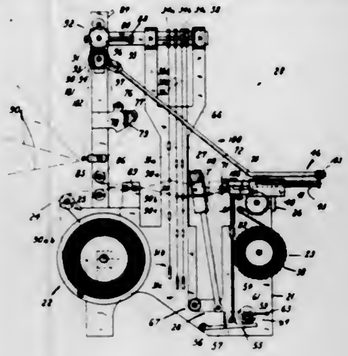
2,547,823
REGULATOR SYSTEM
William Josephian, Oakland, Calif.
Application May 10, 1944, Serial No. 534,965
2 Claims. (Cl. 137—78)



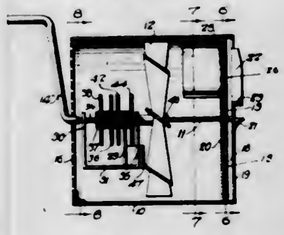
1. A regulator system comprising a plurality of independently supplied high pressure lines, each connected to a common low pressure line through regulators each including a valve biased to closed position substantially entirely by a force due to the pressure of the source with which the particular regulator is associated, such valve closing forces being substantially equal when the pressure of said sources is equal, fluid pressure loading means in said regulators biasing said valves toward open position and providing equality in opening force when the loading pressures on such valves are equal, and means for effecting equalization of said loading pressures.

2,547,824
MACHINE FOR WEAVING LOOPS INTO THE FABRIC DURING THE FORMATION THEREOF
Benjamin Kahn, Gadsden, Ala.
Application October 26, 1949, Serial No. 123,545
16 Claims. (Cl. 139—38)

12. The method of weaving loops into a fabric which comprises the steps of extending a set of parallel warp threads including pile warp threads, shedding said warp threads, passing a filling through the shedded warp threads, repeating the above steps, beating successive fillings together to form a fabric, advancing the fabric, inclining said pile warp threads relative to the remaining warp threads during certain of said shedding steps, positioning a set of hooks opposite the respective pile warp threads, continuously biasing said hooks for movement toward said warp threads, normally locking said hooks in a position remote from said warp threads, releasing said hooks for movement toward said warp threads during said certain shedding steps during which said pile warp threads are in inclined position to thereby engage said hooks with said inclined pile warp threads, and thereafter retracting and re-locking said hooks in said remote position to thereby draw said pile warp threads into loops.



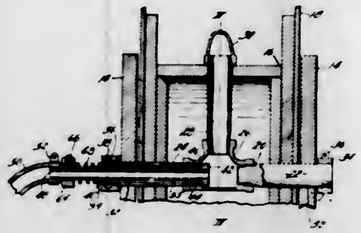
2,547,825
MECHANICAL HAND POWERED SOAP BUBBLE MAKER
Gaither J. King, Norfolk, Va.
Application January 16, 1948, Serial No. 2,761
3 Claims. (Cl. 46—8)



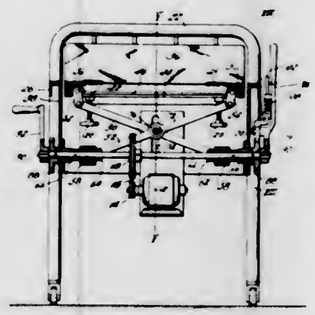
1. A bubble blowing machine comprising a cylindrical casing having a solution compartment in one end, a longitudinally disposed centrally positioned shaft journaled in the casing, a disc having openings spaced from the periphery mounted on the shaft and positioned in the said solution compartment whereby the peripheral edge thereof passes through the lower part of the compartment as the disc rotates with the shaft, a sleeve rotatably mounted on said shaft, a fan in the intermediate part of the casing carried by the sleeve and positioned to blow air through the openings of the disc and through the upper part of the solution compartment, and means rotating the fan and disc with the speed of the fan being greater than that of the disc.

2,547,826
HOSE REEL
Henry E. Kirschner, St. Joseph, Mo.
Application March 18, 1946, Serial No. 655,114
1 Claim. (Cl. 299—78)

In a hose reel comprising a frame and a hose drum mounted for rotation in said frame, a rotary coupling comprising a hollow axle stationary in said drum and having its inner end formed to present a seat, a radially disposed tube communicating with the inner end of said axle and extending to the periphery of said drum for connection with the extremity of a hose, a stationary pipe mounted for relative rotation in said axle, said pipe being adapted to be connected at its outer end with a source of water and having at its inner end a radial flange adapted to engage rotatably said seat, and a spring urging said flange into contact with said seat, a sealed hollow being provided between said pipe and said axle to contain a fluid packing material.



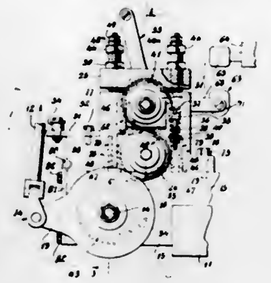
2,547,827
INVALID BED
Otis A. Logan, Kansas City, Mo.
Application December 1, 1945, Serial No. 632,207
2 Claims. (Cl. 5—64)



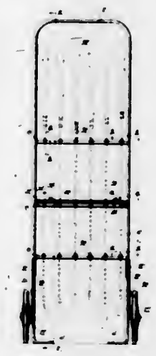
1. A hospital bed having a pair of lazy-tongs operatively carried by said bed, a central transverse frame carried by said lazy-tongs for vertical adjustment, a mattress carrying spring frame carried by said transverse frame, and adjusting screws carried by said transverse frame operable to engage and tilt said spring frame relative to said transverse frame.

2,547,828
BRAKING SYSTEM FOR INTERMITTENT FEED APPARATUS
Frederick K. Maussnest, Queens Village, N. Y., assignor to Hedwig Maust, Queens Village, N. Y.
Application December 18, 1947, Serial No. 792,503
11 Claims. (Cl. 271—2.4)

1. A braking system for an automatic feed for intermittently feeding a strip of material, comprising relatively movable upper and lower feed rolls, a drive shaft, means for operatively interconnecting and intermittently rotating said rolls and drive shaft, brake drums on said rolls and said drive shaft, braking means acting substantially as a single unit for contacting each of said brake drums along more than 180 degrees of their peripheries in successive substantially reversed semi-circles in such a manner that the forces exerted by said brake drums on said braking means are uni-directional along said braking means, and adjustable tensioning means near the end of said braking means for simultaneously regulating the braking action on both said rolls and said drive shaft.

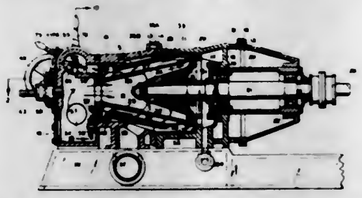


2,547,829
GOLF CLUB CART
George I. Mills, Springfield, Mo.
Application December 13, 1947, Serial No. 791,580
1 Claim. (Cl. 150—1.5)



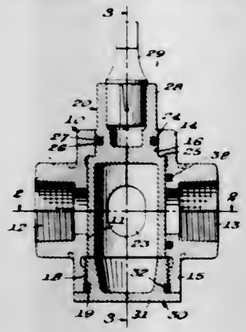
A golf club carrying and transporting appliance, comprising an upwardly extending supporting frame provided with upper and lower transverse bars and an intermediate bar extending transversely between said first bars, and provided with resilient edge pieces along both its front and rear edges, and a set of hook elements provided with resilient cushioning means and carried by each of said first bars at both the front and rear of said frame in position for effecting releasable retaining engagement with the individual golf clubs and maintaining the shafts of said clubs in frictional retaining engagement with the resilient front and rear edge pieces of said intermediate bar, said upper and lower sets of hook elements being positioned to locate the open sides of their hook portions in oppositely facing relation.

2,547,830
TREATING AND REFINING MACHINE FOR PULP MATERIALS
Charles W. Morden, Portland, Oreg., assignor to Morden Machines Company, a corporation of Oregon
Application January 11, 1947, Serial No. 721,579
6 Claims. (Cl. 92—27)



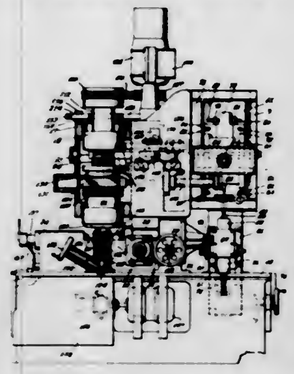
3. In a pulp treating and refining engine of the character described including a conically-shaped rotor having an exterior attritioning surface and a non-rotating shell having an interior attritioning surface surrounding said rotor, a housing located externally of said shell, the large diameter end of said shell spaced free from the inside wall of said housing, supporting means on the outside of said shell, means on the inside of said housing cooperating with said supporting means for supporting said shell in said housing, said supporting means and said cooperating means providing a limited free mounting for the large diameter end of said shell within said housing to enable slight radial movement of the large diameter end of said shell to take place within said housing when such radial movement is required for bringing the attritioning surface of said shell into better cooperating relationship with the attritioning surface of said rotor.

2,547,831
VALVE
Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 26, 1947, Serial No. 793,934
13 Claims. (Cl. 251—103)



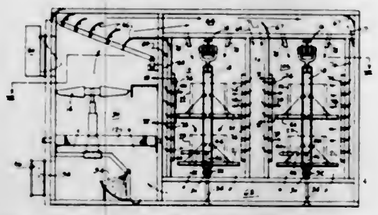
1. In a valve structure for controlling the flow of fluid under high pressure through a line, a valve housing including a seat having inlet and outlet ports at opposite sides thereof, a valve element including a flow passage, said valve element being movable in said housing seat between on and off positions with respect to the housing ports, said valve element being provided with a smooth seating surface opposed to the seat of said housing, the seat of said housing being provided with a single continuous groove substantially concentric with the axis of the housing outlet port and lying closely adjacent said outlet port, the walls of said groove being rigid, a bodily resilient endless packing ring in contact with the rigid bottom wall of said groove, the transverse dimension of the seating surface of said valve element being less than the corresponding dimension of the housing seat to provide a space between the seating surface and seat, but which space is of such transverse dimension as to prevent entry of fine grit particles thereto, the normal cross-sectional size of said ring being sufficiently oversize with respect to the depth of the housing groove that (*a*) when the valve element is in closed position and not under line pressure, said ring will be under sufficient compression as to hold the valve element seating surface in non-spaced relation with the portion of the housing seat adjacent the housing inlet port, (*b*) when said valve element is subject to line pressure and in open position so that the fluid pressure differential between the valve element inlet and outlet ports is thereby reduced, said ring will firmly contact with the opposed portion of the valve element to hold the valve element seating surface in non-spaced relation with the portion of the housing seat adjacent the housing inlet port to prevent flow of foreign particles into the space between the valve element seating surface and the housing seat, and (c) when the valve element is in closed position and subject to fluid pressure, fluid may move from the valve element inlet port and into the space about the valve element seating surface to enlarge the ring along lines transverse to the direction of such fluid flow to thereby maintain said ring in sealing contact with the opposed portion of the valve element seating surface and the portion of the groove furthest from the housing inlet port.

2,547,832
MACHINE TOOL
Percy A. Newman, La Fayette, Ind., assignor to Ross Gear and Tool Company, La Fayette, Ind., a corporation of Indiana
Application August 29, 1947, Serial No. 771,249
12 Claims. (Cl. 90—11.5)



1. In a machine for forming generally helical cams, means including a headstock spindle for supporting and rotating a cam blank, a rotatable tool spindle, a tool-spindle support rotatable about an axis parallel but eccentric to the tool-spindle axis, means for driving said tool spindle, means for moving said tool-spindle support axially of itself to advance a tool in the tool spindle into and retract it from operative association with a blank in said blank-supporting means, mechanism for rotating said tool-spindle support and headstock spindle in timed relation, and control means responsive to advance of said tool-spindle support for automatically initiating operation of said spindle-rotating mechanism.

2,547,833
DRYING METHOD AND MACHINE
Ralph C. Parkes, Glenside, and David H. Colker, Philadelphia, Pa.
Application January 28, 1947, Serial No. 724,903
4 Claims. (Cl. 34—33)



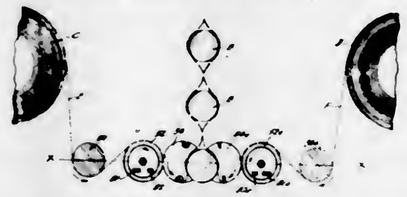
1. The method of drying a ceramic object or the like which method consists in moving said object through a plurality of longitudinally aligned enclosures, discharging individual streams of a fluid drying medium from opposite sides of said enclosures onto opposite sides of said object, exhausting said drying medium through the upper portion of one of said enclosures, and exhausting said drying medium through the lower portion of another of said enclosures.

2,547,834
RESERVOIR HANDLE FOR FOUNTAIN BRUSH HAVING PISTON MEANS FOR FILLING AND DISPENSING
Ludwig F. Perwas, New York, N. Y.
Application May 1, 1945, Serial No. 591,244
3 Claims. (Cl. 222—128)



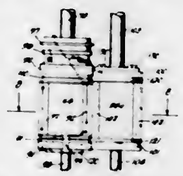
1. In a fountain toothbrush, the combination which comprises a hollow tubular handle, oval shape in cross section, having an open outer end and a head having a centrally disposed longitudinally positioned opening therethrough, an oval shaped plug positioned in the open end of the handle and having a longitudinally disposed opening therethrough with a recess in the outer end and positioned around the said opening therethrough, an oval shaped pump piston slidably mounted in the handle and having a longitudinally disposed opening therethrough aligned with the opening through the plug and having an internally threaded hub in the center thereof with a valve seat in the inner end and spaced from the hub, a piston rod extended through the piston and plug having a valve on the inner end positioned to coact with the valve seat of the piston and also having a threaded boss thereon spaced from the valve and positioned to screw into the threaded hub of the piston, a spring on the piston rod between the piston and valve, said valve having a valve element thereon positioned to close the opening through the head of the handle, and a finger gripping nut on the outer end of the piston rod for screwing the threaded boss of the piston rod into the threaded hub of the piston and also for reciprocating the piston to provide a pump.

2,547,835
METHOD AND APPARATUS FOR WORKING SHEET MATERIAL
Fred B. Pfeiffer, Akron, Ohio
Application November 6, 1945, Serial No. 627,063
16 Claims. (Cl. 18—19)



10. In the method of continuously wrapping successive articles in a thermoplastic sheet material, the novel steps of continuously feeding a strip of such material toward the wrapping station, softening the strip by heat and then stretching it longitudinally while preventing it from narrowing, thereby reducing the gauge and increasing the area of the strip, and thereafter manipulating the softened stretched strip at the wrapping station to enclose the article.

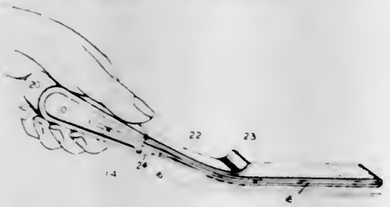
2,547,836
APPARATUS FOR WORKING SHEET MATERIAL
Fred B. Pfeiffer, Akron, Ohio
Original application November 6, 1945, Serial No. 627,063. Divided and this application February 27, 1947, Serial No. 731,323
13 Claims. (Cl. 18—1)



1. Packaging apparatus comprising, in combination, a pair of rotary cooperating members formed to accommodate between them the articles to be wrapped, means for feeding between said members opposing strips of heat-sealable sheet material, said wrapping members having spaced annular portions for bringing the strips into contact along narrow longitudinal zones and having spaced axial portions for bringing the

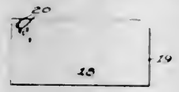
strips into contact along narrow transverse zones between the successive articles, and electric heating elements mounted in the annular portions of one of the wrapping members and exposed directly to the wrapping strips to seal them together in their contacting longitudinal zones, said annular portions of the two cooperating wrapping members being disposed to act upon the wrapping strips in advance of the heating elements so as thus to bring the strips into contact before they are heat-sealed together.

2,547,837
ABRADING TOOL
Elmer Robbins, Portland, Oreg.
Application August 27, 1949, Serial No. 112,718
6 Claims. (Cl. 51—187)



1. In an abrading tool of the character described, a handle block, a flexible blade having one end movably and removably mounted in the inner end of said block, means for urging said mounted end of said blade outwardly in said block, an endless abrasive belt extending around said block and around the outer end of said blade, and a handle cover on said block extending over said belt on said block.

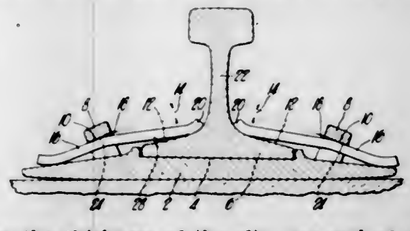
2,547,838
RECORD BEARING MEDIUM AND METHODS OF PREPARATION
Edward Wriothesley Curzon Russell, Washington, D. C.
Application November 26, 1948, Serial No. 61,976
In Great Britain November 26, 1947
13 Claims. (Cl. 235—61.12)



1. A magnetic record having its recording area covered by an evenly magnetized material interrupted at selected intervals by non-magnetic spaces which are devoid of magnetized or magnetizable material.

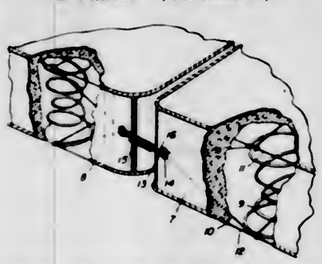
2,547,839
RAIL FASTENING DEVICE
Arthur R. Schulze, Johnstown, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application June 5, 1947, Serial No. 752,775
3 Claims. (Cl. 238—349)

1. A rail fastening device comprising a tie plate having a seat portion for the base of the rail, an inverted substantially U-shaped member secured to said tie plate at a point intermediate the seat portion and the edge of the plate, said U-shaped member being arranged at an angle to the vertical with the underside thereof being arranged at a steeper angle than the top surface of the flange of the rail, the angle of the underside of the U-shaped member being inclined in the same general direction as the top surface of the flange of the rail adjacent thereto, an elongated longitudinally bowed spring clip extending through said inverted U-shaped member and bearing against the underside thereof, the upper surface of said clip being longitudinally convex, the distance between the underside of the U-shaped member and the tie plate being greater



than the thickness of the clip, one end of said clip bearing against the top of the rail flange and the other end bearing against the top of the tie plate, the portion of said spring clip bearing against the underside of said inverted U-shaped member being under compression and being arranged at an angle at least as great as the angle of the underside of the U-shaped member, the said convex portion of the spring clip being in contact with the U-shaped member in a manner to urge said clip toward the rail under vibration.

2,547,840
SECTIONAL MATTRESS
William B. Smith, Memphis, Tenn.
Application April 1, 1949, Serial No. 84,996
1 Claim. (Cl. 5—352)



A sectional mattress including at least a pair of mattress sections, and means securing the sections to each other with ends confronting and comprising a V-shaped wire bail anchored at its ends internally of each section at the top and bottom of the section and at one side thereof and extending along said side, said bail having an apex eye-portion projecting outwardly of said side of the mattress section adjacent its confronting end, and a coil spring connecting the eyes of adjacent mattress sections to each other.

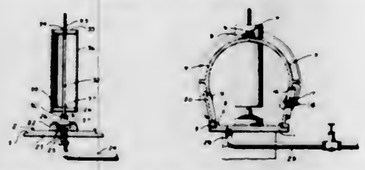
2,547,841
OIL BURNING STOVE FOR DRYING TOBACCO
Allard D. Strickland, Gallivants Ferry, S. C., assignor to James D. Duncan, Loris, S. C.
Application June 27, 1946, Serial No. 679,808
4 Claims. (Cl. 126—94)

4. In an oil burning stove for drying tobacco, in combination, means defining a combustion chamber having outlets for products of combustion and heated air and an aperture in its top to receive a vertically disposed down draft tube, a burner plate upon the bottom of said chamber directly beneath said aperture, a down draft tube disposed vertically and extending upwardly from a point adjacent the burner plate through said aperture in the top of the combustion chamber means, a support for said down draft tube comprising a member resting upon



said burner plate, and having a portion rising to a point adjacent said aperture in the combustion chamber, and an adjustable connection between said tube and said support adjacent the top thereof and accessible from the exterior of said chamber, whereby the height of the lower end of the tube relative to said burner plate may be adjusted and the combustion rate regulated.

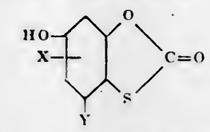
2,547,842
OIL BURNER
James D. Duncan, Loris, S. C.
Application March 3, 1948, Serial No. 12,819
1 Claim. (Cl. 126—94)



A tobacco curer of the character described, including in combination, a flat, oval, pan-like member forming the bottom of a combustion chamber, a pair of complementary enclosing wall members resting on opposite longitudinal half peripheral surfaces of said bottom plate and shaped to curve upwardly and inwardly therefrom and meeting and secured together vertically above and in alignment with the longitudinal axis of the oval bottom member and therewith completing the combustion chamber of the tobacco curer, said two complementary wall members having complementary edge orifices at their ends and together forming orifices at opposite ends of the combustion chamber for the discharge of products of combustion and heated air from the combustion chamber, said two wall members having also pairs of complementary edge orifices at their top edges and together forming a pair of apertures opening into the combustion chamber and each aperture being adapted to receive a down draft burner tube to protrude therethrough from the interior of the combustion chamber, one of said wall members having a damper located centrally in its side, an ignition door in the side of one of said wall members, two burner plates spaced apart in line with said opposite discharge orifices and supported on said pan-like bottom member in vertical alignment with said draft tube apertures formed by said wall members, each of said burner plates having a support for a draft tube supporting rod, a threaded rod resting on and extending upwardly from each of said rod supports and extending upwardly through the corresponding draft tube aperture formed by said wall members, a draft tube threadedly carried on each of said rods and rotatably adjustable vertically thereon, said tubes being disposed in said combustion chamber in vertical alignment over said burner plates and having their upper ends protruding upwardly through said draft tube apertures, whereby said draft tubes may be adjusted on said rods toward and from the burner plates by manipulation from outside of the combustion chamber wall members, each of said burner plates having a plurality of burner orifices and a trough for ignition fuel in the vicinity of said burner orifices, the overflow from said troughs being adapted to be received on said pan-like bottom member, means for conducting fuel to said burner orifices, and means for draining overflow fuel from said bottom member.

2,547,843
DIAZOTYPES CONTAINING 6-HYDROXY-1,3-BENZOXATHIOLONE-2 AND ITS DERIVATIVES
William H. von Glahn, Loudonville, and Lester N. Stanley, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 22, 1948, Serial No. 56,044
8 Claims. (Cl. 95—6)

1. Diazotype light sensitive layers on a suitable base containing a suitable diazo light sensitive compound and an azo coupling component of the class represented by the formula:



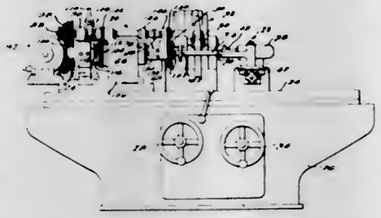
wherein X is a member of the group consisting of hydrogen, halogen, alkyl, alkoxy, sulfonic acid, carboxy and aminoalkyl; and Y is a member of the group consisting of hydrogen and alkyl.

2,547,844
DISH HOLDER AND STAND
Lawrence A. Wickland, Altadena, Calif.
Application April 18, 1949, Serial No. 88,172
3 Claims. (Cl. 65—61)



1. In a detachable dish holder and stand, a dish supporting leg, a dish handle engaging arm carried by said leg and extending outwardly therefrom, a longitudinally split tubular spring carried by the arm in encircling relation therewith, one longitudinal edge of said spring engaging the leg at its junction with the arm and urging the arm against the underside of a dish handle, and the opposite edge of said spring engaging the top of the dish handle adjacent its junction with the dish.

2,547,845
APPARATUS FOR RELIEVING THE TEETH OF CIRCULAR CUTTING ELEMENTS
Rudolf William Andreasson, Franklin, Mich.
Application March 4, 1948, Serial No. 12,934
9 Claims. (Cl. 51—95)



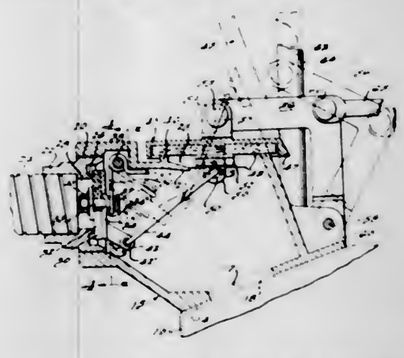
1. In a grinding machine, a headstock having a rotatable and reciprocable driving spindle, and a spindle support mounted for angular movement about an axis normal to the axis of rotation of said spindle; means for rotatably driving said spindle; a cam axially behind said spindle; cam follower means rotatable and reciprocable with the spindle and engageable with said cam; a carrier for said cam adjustable about an axis normal to the axis of rotation of said spindle; and a mounting for said carrier mounted for sliding adjustment in a direction normal to the axes of both the carrier and of the spindle.

2,547,846
SCOOP FOR STOKER FURNACES AND THE LIKE
James E. Annen, Kalamazoo, Mich.
Application May 7, 1947, Serial No. 746,502
6 Claims. (Cl. 294—9)



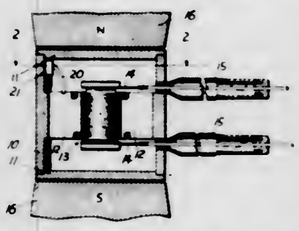
1. A scoop of rectangular section comprising bottom, side, rear and top walls disposed to provide an open forward end, the bottom extending forwardly substantially beyond the top wall, the front edges of the side walls being inclined upwardly from the front end of the bottom to the front end of the top wall, the top wall having an extension with a forwardly curved edge, and a handle having an angularly disposed shank superimposed on and pivotally secured to said extension centrally thereof by a vertically disposed pivot connecting the scoop to the handle for swinging adjustment on the pivot with the handle shank having a frictional adjustment retaining engagement with the scoop, said vertical pivot being disposed forwardly of the central portion of the scoop to facilitate the open end of the scoop facing forwardly when filling the scoop by a forward pull on the handle.

2,547,847
SAFETY CAN WITH FLEXIBLE SPOUT
Ivar Barclay, Highland Park, Mich., assignor to The General Detroit Corporation, Detroit, Mich., a corporation of Michigan
Application May 17, 1946, Serial No. 670,378
3 Claims. (Cl. 222—484)



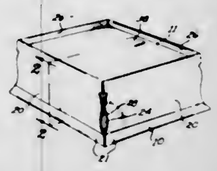
1. In combination with a receptacle for liquid, a pouring spout construction including a hollow body member securable as a unit to such a receptacle in a position to act as a pouring member, outlet nozzle means, a coupling portion threadedly mounted and securing said nozzle means with respect to said body, a valve seat portion carried by said coupling portion, and a valve element carried by the body independently of the coupling portion and movable to and from the seat portion to control escape of liquid through said nozzle means, whereby the relative positioning of the seat portion and valve element may be varied by adjusting the position of the coupling portion through the agency of its threaded securing means.

2,547,848
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
James L. Barttro, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 8, 1949, Serial No. 69,919
4 Claims. (Cl. 315—40)



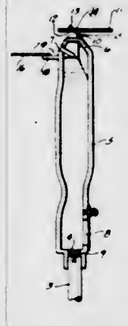
1. An electron discharge device comprising an evacuated envelope containing a cathode and a plurality of anode members radially spaced from said cathode, adjacent anode members together with the space therebetween defining resonant cavities, and means for suppressing oscillations at frequencies, other than that at which each of said cavities is primarily resonant, comprising a wire whose electrical wave length is a multiple of a quarter wave length of the frequency to be suppressed coupled to said cavities and to a power dissipation means.

2,547,849
BOX CONSTRUCTION
William F. Barry, Los Angeles, Calif.
Application October 25, 1946, Serial No. 705,645
11 Claims. (Cl. 229—23)



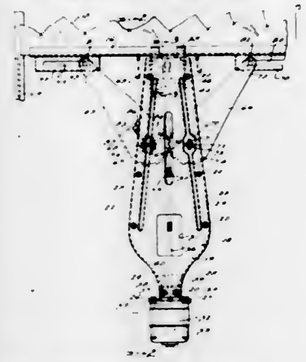
1. A container comprising: a bottom wall; side walls folded upwardly from said bottom wall, said side walls being cut away along their abutting edges to provide openings at the corners of the container; inner side panels formed integral with and folded inwardly and downwardly in spaced relation to said side walls; an endless lining member interposed between said side walls and inner side panels to reinforce the sides of the container, said lining member being visible through said openings at the corners of the container; and retaining means for retaining said inner side panels in folded relations.

2,547,850
MULTIPLE GASEOUS FUEL BURNER AND SECONDARY AIR FEED BAFFLES
Charles A. Brown, St. Louis County, Mo.
Application December 22, 1945, Serial No. 636,711
4 Claims. (Cl. 158—104)



1. A multiple gaseous fuel burner comprising a group of upstanding Bunsen type burner units all having upwardly and outwardly inclined flame openings in their outer side faces and gas and primary air inlet openings below the level of said flame openings, a deflector plate closely adjacent and covering all of said burner units and spaced above the tops thereof and terminating at substantially the outer faces thereof to form therewith horizontal secondary air supply passages above the level of all of said flame openings, and a deflector plate surrounding said burner units and spaced horizontally from the outer side faces thereof to form therewith vertical secondary air supply passages below the level of said flame openings, whereby the outward flow of secondary air through said horizontal and vertical secondary air supply passageways prevents impingement of the flames from said upwardly and outwardly inclined flame openings on said deflector plates.

2,547,851
WINDOW REGULATOR
Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application August 2, 1945, Serial No. 608,403
1 Claim. (Cl. 268—124)

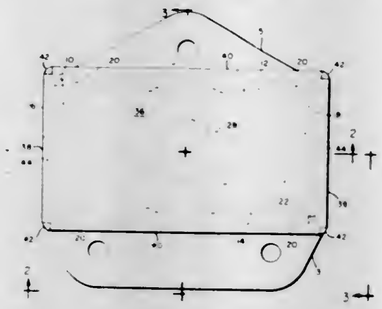


A window operating mechanism for reciprocating a window mounted in a motor vehicle for vertical sliding movement, said mechanism comprising an elongated plate adapted to be secured to the vehicle and disposed in a vertical position, a motor mounted on the lower end of said plate, a generally vertically disposed screw shaft rotatably supported on said plate and operatively connected to said motor, a generally T-shaped nut on said shaft movable therealong upon rotation of said shaft, a bracket having a pair of spaced legs, means for connecting said bracket to said window, a pair of spaced arm elements having corresponding ends pivotally connected to the cross portion of said T-shaped nut and having their opposite ends pivotally connected to said legs of said bracket, said arms constituting the sole means engaging said nut to prevent rotation thereof relative to said plate and window, a pair of swinging arms pivotally mounted at corresponding ends thereof on said plate on opposite sides of said screw shaft, said arms having gear sectors at said corresponding ends provided with intermeshing gear teeth arranged to provide simultaneous and equal swinging movements of said arms, and means for securing the outer ends of said arms to co-operating means carried by the window.

2,547,852
RESILIENT SIDE BEARING
Ralph D. Bryan, La Grange, Ill.
Application February 25, 1948, Serial No. 10,653
2 Claims. (Cl. 308—138)

1. In a side bearing, a substantially rectangular housing comprising a base web and spaced side and end walls, an elongated diamond-shaped block of resilient material within said housing and comprising two substantially V-shaped side portions disposed respectively at opposite sides of the block along each side wall and arranged to define a cavity therebetween, the exterior surfaces of said side portions engaging at their apices respective side walls at points intermediate the ends thereof, said side portions merging at their ends to form end portions wider at their juncture with the side portions than each of said side portions, said end portions tapering toward and engaging respective end walls at points intermediate the ends thereof, and means for compressing said block, comprising a member com-

plementary in shape to that of said housing and extending into said housing and bearing against a surface of said block remote from said web, said cavity containing air and being closed by said



web and member, said side portions being spaced from the corners of said housing to accommodate bulging of said block toward said corners as said block and air in the cavity are compressed.

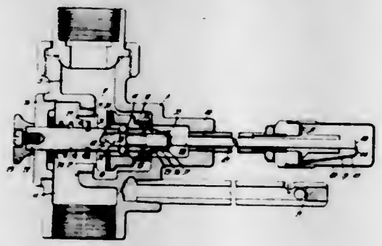
2,547,853

RESET MECHANISM FOR PILOT SAFETY VALVES

Robert J. Butterfield, San Gabriel, Calif., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, a corporation of Delaware

Application May 21, 1948, Serial No. 28,319

4 Claims. (Cl. 137—139)



3. A safety valve comprising, a valve body having a fuel passage and an annular valve seat therein, a member mounted for reciprocation in said body and extending through said seat coaxially thereof and having an end extending from said body for manual engagement and displacement outwardly of said body, a spring normally urging said member to an opposite reciprocal position inwardly of said body, a valve slidably carried on said member for movement to and from said seat, a second spring normally urging said valve to said seat, a second member slidably carried by said first member and extending longitudinally therefrom in the direction opposite to said first end, a third spring mounted between said first and second members and normally urging said members to a relatively distended position, thermostatically operated catch means functioning when energized to engage and hold said second member upon movement of the latter upon manual displacement of said first member whereby upon return movement of said first member under the action of said first spring a relative movement by the said first and second members will be effected against the resistance of said third spring, and detent means carried by said first member and extendable therefrom for engagement with said valve and being positioned for actuation by said second member upon the aforesaid relative movement by the said first and second members whereby upon said return movement of said first member said detent means will engage and displace said valve to open position against the resistance of said second spring.

2,547,854

INTERCOMMUNICATION APPARATUS

Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware

Application February 6, 1948, Serial No. 6,608

15 Claims. (Cl. 179—1)



1. Communication apparatus including a first station, a second station, a signaling circuit between said stations, a communication circuit between said stations, signaling switch means at the first station operable to a predetermined position to change the condition of said signaling circuit, relay means at the second station connected to said signaling circuit and operable in response to said change in condition of said circuit, a signal device at the second station, means controlling said device controlled by said relay means and operable to operate said device upon said operation of said relay means, means controlled by said relay means and operable thereby for maintaining said relay means in operated condition subsequent to operation of said switch means at said first station from its said predetermined position, and station selector switch means at said second station associated with said communication circuit including switch means controlling said relay means and signal device operable to a predetermined position for returning said relay means to a nonoperated condition and maintaining said signaling device in operated condition as long as said selector switch means is in said predetermined position.

2,547,855

COMMUNICATION APPARATUS

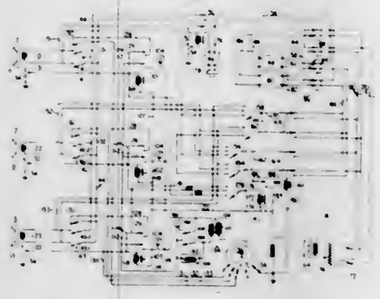
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware

Application May 7, 1948, Serial No. 25,752

21 Claims. (Cl. 179—40)

1. Communication apparatus including, a first station having a translating device utilizable both as a receiver and a transmitter, a second station including transmission amplifying means, transmitting means connected to said transmission amplifying means, a pair of reception amplifying means, reception means, selectively operable means for connecting said reception means to

the output of one of said reception amplifying means, an interstation circuit interconnecting said stations, and selectively operable switch means connected to said circuit operable selectively to



connect said circuit to said transmission amplifying means or to the input of the reception amplifying means to the output of which said reception means is connected.

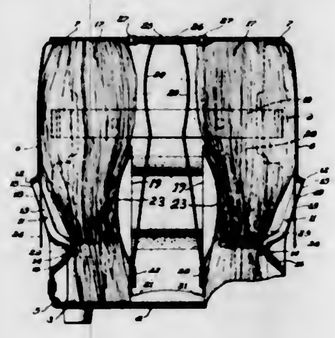
2,547,856

DISPENSER FOR NAPKINS OR SIMILAR ARTICLES

Austin E. Cofrin, Green Bay, and Samuel N. Hope, Wauwatosa, Wis., assignors to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin

Application June 28, 1946, Serial No. 680,306

4 Claims. (Cl. 312—62)



1. A dispenser for folded napkins and the like comprising a plurality of side walls, a top wall, and a bottom wall, one of said side walls having an elongated opening therein extending across said wall, said opening being disposed so as to expose the free end of the short outer fold of a napkin and the like within said dispenser adjacent to said opening, the portion of said wall above said opening and the upper marginal edge of said opening being curved outwardly and the portion of said wall below said opening and the lower marginal edge of said opening being curved inwardly, a pressure plate within said dispenser having a central projecting portion protruding toward said opening and spring means depending from said top wall adapted to urge said pressure plate toward said side wall having said opening therein, said pressure plate in turn being adapted to urge a stack of napkins and the like disposed between said pressure plate and said side wall toward the latter.

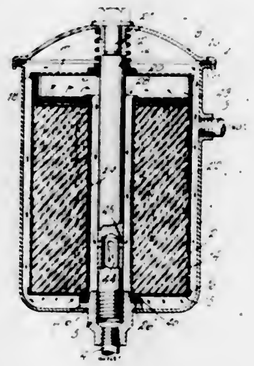
2,547,857

LUBRICANT FILTER

Wayne S. Cook, Grand Rapids, Mich., assignor to Sackner Products, Inc., a corporation of Michigan

Application November 10, 1947, Serial No. 785,031

4 Claims. (Cl. 210—169)



1. In a filter, the combination of a casing provided with a discharge coupling at its bottom, a post carried by said coupling and having an outlet passage therein opening to said coupling, a filter cartridge comprising a shell having an imperforate side wall and a foraminate bottom, a top on said shell forming a central hole with an annular seal therearound coacting with said post, an imperforate tube surrounding and spaced from said post and having its lower end disposed through said shell bottom and upset in retaining engagement therewith, the post passage opening within said tube, a filtering body consisting of multi-ply cellulose wadding convolutely wound upon said tube and radially and axially compressed within said shell, a cover for said filtering body comprising a foraminate plate sealingly engaged around its periphery with the inside of said shell, the upper end of said tube being disposed through and upset upon said plate to axially retain the same against the compression of said filter body, a sheet of fabric on the upper end of said filtering body, a screen of woven fibrous material disposed between said foraminate plate and fabric, there being an outlet chamber between the upper side of said foraminate plate and said top for said shell open to said tube, and a gasket arranged between the bottom of said cartridge and said coupling and coacting therewith to close the lower end of said tube, said casing having an inlet opening positioned exteriorly of said cartridge shell.

2,547,858

CENTER

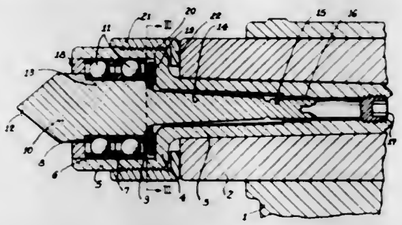
Howard K. Dearborn, Cleveland, Ohio

Application November 17, 1945, Serial No. 629,287

2 Claims. (Cl. 82—33)

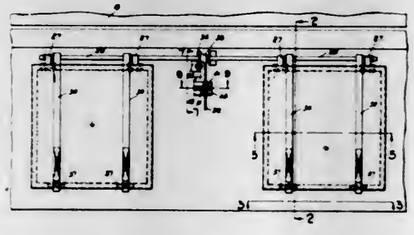
1. A center for a machine tool having a spindle, comprising a shank and a head, an adjustable sleeve connected with the head having an end

engageable with the peripheral portion of the spindle carrying the center and spaced from the



spindle between said peripheral portion and said shank.

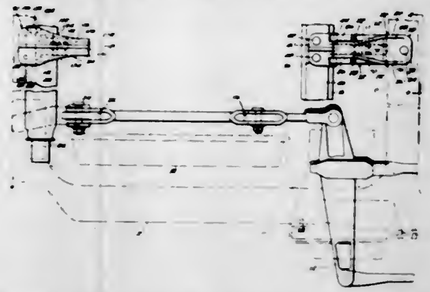
2,547,859
RAILWAY HATCH COVER AND MEANS FOR LOCKING THE SAME
James A. Duffie, Chicago, Ill., and Arthur J. Doyle, Cleveland, Ohio, assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application April 13, 1948, Serial No. 20,754
14 Claims. (Cl. 105—377)



1. In a railway car having a roof, spaced hatch openings in said roof, a frame around each opening extending upwardly from said roof, a cover for each of said frames having peripheral downwardly extending flanges, a shaft adjacent to said frames, means rotatably mounting said shaft, means including said shaft for imparting motion of translation to said covers, a lever for rotating said shaft, locking members on said covers extending downwardly therefrom outwardly of the peripheral flange remote from said shaft and then inwardly below said latter flange, and detents on said frame, said inwardly extending portions of said locking members being engaged with and disengaged from said detents upon motion of translation of said covers in opposite directions to lock and unlock said covers.

2,547,860
BRAKE BEAM GUIDE
Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 8, 1949, Serial No. 75,103
10 Claims. (Cl. 188—207)

1. In a brake arrangement for a railway car truck comprising a frame, a wheel and axle assembly, a brake beam carrying brake means for engagement with the wheels of said assembly, means rotatably connected to the beam and pendulously suspending the beam from the frame, and means for limiting movements of the beam transversely of the truck comprising a substantially vertical tongue on the beam extending upwardly therefrom, a guide above the beam fixed to the frame and having a downwardly open slot elongated longitudinally of the beam and receiving said tongue therein, said tongue and beam being movable longitudinally of the truck toward and away from said assembly



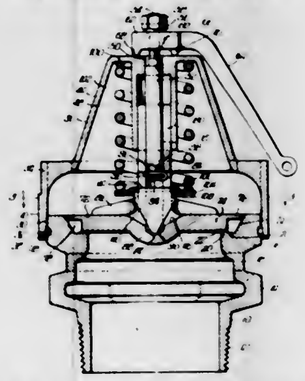
and said tongue being engageable with the sides of the slot to limit movement of the beam transversely of the truck, abutment means at opposite sides of the tongue, and abutment means on said guide above said first-mentioned abutment means and engageable therewith to limit rotation of the beam.

2,547,861
VARIABLE POSITION CONTROL FOR HYDRAULIC SYSTEMS
Edward H. Fletcher, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application October 26, 1949, Serial No. 123,705
14 Claims. (Cl. 121—38)

1. A fluid-pressure control system, comprising: a first member having a chamber and means providing a passage for the flow of fluid to and from the chamber; a second member having an internal part movable back and forth in the chamber, and an external part outside the chamber and connected to and reflecting movement of the internal part; valve means in the first member for controlling flow of fluid pressure through the passage, including a first valve movable between a passage-opening position and a passage-throttling position, and a second valve movable between a passage-opening position and a passage closing position; first means biasing the first valve toward passage-restricting position; second means of greater strength than the first means, for biasing the second valve to passage-opening position; one-way connecting means between the valves effective to cause opening movement of the first valve upon opening movement of the second valve by the second biasing means; a first control element carried by the first member and engageable by the second valve for movement in one direction under action of the second biasing means, and movable in the opposite direction in opposition to the second biasing means; a second control element fixed to the external part of the second

member to reflect back and forth movement thereof and engageable with the first control element to move the latter in said opposite direction to overcome said second biasing means so that the first biasing means is effective to move the first valve to passage-throttling position; and delayed action means operative between one of the control elements and the second valve and effective to move the second valve to passage-closing position upon continued same-direction movement of said one control element.

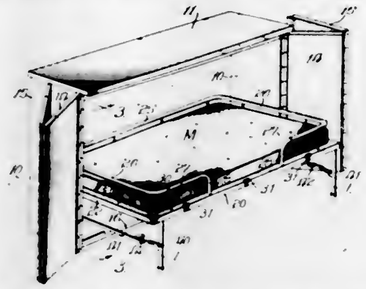
2,547,862
RELIEF VALVE
Samuel E. Gilmore, Fort Wayne, Ind., assignor to Kunkle Valve Company, Fort Wayne, Ind., a partnership
Application June 21, 1946, Serial No. 678,310
10 Claims. (Cl. 137—53)



1. In valve construction, the combination of a valve body having a lower portion for attachment to an object to be vented, said body having an upper enlarged portion having a valve seat, said seat being chamfered adjacent the valve opening and having a sloping portion extending outwardly from the chamfer, said sloping portion being substantially 1° from horizontal, an upwardly and outwardly sloping portion extending from the first named sloping portion, a valve cap secured to said enlarged portion, said cap having a hood provided with a guide, a valve poppet having a disk adapted to seat on said seat, said disk having a flange extending toward the second named sloping portion and terminating adjacent thereto when said disk is seated on said seat, whereby the periphery of the disk, said flange and the sloping portion of the body form a huddling chamber, a valve stem on said disk extending into said guide, said stem being slotted adjacent the disk, said disk having a seat substantially below the seat contacting surface of said disk, a pressure flint in said slot having a point contact with the seat on said disk, said flint having spaced supporting shoulders extending outwardly of said stem, a spring seat on said shoulders, a spring seat on said cap aligned with said last named spring seat, and a spring seated on said last named seats.

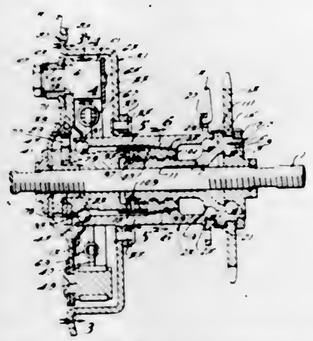
2,547,863
FOLDING BED
Jacques L. Godschalk, Chicago, Ill.
Application April 7, 1949, Serial No. 86,087
5 Claims. (Cl. 5—136)

5. A bed comprising a rectangular frame, four legs depending from the frame, two of the legs at opposite ends of the frame being connected thereto to permit swinging of the frame between vertical and horizontal positions about an axis in parallelism with the long sides thereof, means for anchoring the said two legs to the floor whereon the bed is stood, the points of connection of the anchored legs with the frame being spaced inwardly equidistantly and substantially from the proximate frame side and the anchored legs being provided with stop means at points substantially below the axis of their connection with the frame to be engaged by the proximate frame side when the frame is swung upwardly from the horizontal through a movement of approximately 90°, the anchored stop means when engaged with



the frame side acting to limit further swinging movement thereof, means connecting the remaining two legs to the frame to swing about an axis in parallelism with its long sides and at or near the long side thereof which is remote from the anchored legs, a link connection between each anchored leg and the proximate free leg whereby swinging movement of the latter will be controlled by the swinging movement of the bed frame upon its axis of movement, and means providing for sliding movement of each link connection with one of the associated legs to compensate for variations in distances between the pivotal axes of the connections between the frame and each pair of link-connected legs according to the swung position of the bed frame.

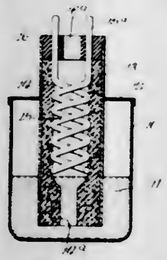
2,547,864
COASTER BRAKE
Walter L. Hall, Pontiac, Mich., assignor to Whizzer Motor Company, Pontiac, Mich., a corporation of Delaware
Application June 11, 1948, Serial No. 32,495
1 Claim. (Cl. 192—6)



In a coaster brake and hub assembly for bicycle wheels or the like having an axle, the com-

bination of a hub, a brake drum shell having an annular braking surface coaxial with said axle, said shell having spoke anchors on its outer edge and an inwardly extending radial web on its inner edge, said web being affixed to the hub intermediate the ends of the hub, a brake actuator rotatably mounted on the axle at the drum end thereof and having an outwardly facing radial shoulder adjacent its outer end, a gear drivably mounted on the outer end of the actuator and in engagement with the outer face of said radial shoulder, a nut threaded on the axle and abutting the outer face of the gear to hold it against said radial shoulder, said actuator having an inwardly facing radial shoulder spaced inwardly from the outer shoulder and located approximately in the plane of the spoke anchors and being shaped to provide a ball bearing race, the drum end of said hub being internally formed to provide a ball bearing race cooperating with said actuator race, ball bearings between said races whereby spoke load is transmitted from the drum to the axle without substantial overhang, a radial anchor plate mounted on the axle and abutting the outer end of said nut, another nut threaded on the axle to clamp the plate between said nuts, expanding brake shoes pivoted inside said drum on said plate, an expanding cam for said shoes pivoted on said anchor plate and extending inwardly toward said radial web, and a gear sector having teeth engaging and driven by said gear, said sector engaging and movable upon the inner face of said anchor plate and having a driving engagement with the expanding cam at a plane adjacent the inner face of the anchor plate, and means whereby the brake actuator is operated upon back-pedalling.

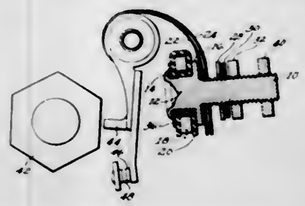
2,547,865
LIQUID CONDUCTOR HEATER
Marshall W. Hanks, Madison, Wis., assignor to Hankscraft Company, Madison, Wis., a corporation of Wisconsin
Application May 17, 1947, Serial No. 748,790
12 Claims. (Cl. 219—40)



1. In a liquid conductor heater, an insulating vessel adapted to contain a quantity of liquid, spaced electrodes mounted in said vessel above the body of liquid therein, means for conveying a part of said liquid to said electrodes by capillary action, and means forming an unobstructed passage for the escape of vapor from said electrodes.

2,547,866
ELECTRICAL TERMINAL
Edwin G. Hingelberg, Highland Park, Mich., assignor to George M. Holley and Earl Holley
Application July 12, 1947, Serial No. 760,656
1 Claim. (Cl. 200—166)

A terminal and spring means for a circuit breaker, comprising a slotted spring connected to said circuit breaker, a bracket having an edge and a non-circular opening therethrough adjacent said edge, a sheet of insulating material folded over said edge and having portions overlying opposite faces of said bracket, said portions having openings aligned with said non-circular opening, the opening in one of said portions being bounded by flaps extending into said non-circular



opening, a stud having a non-circular portion extending through said aligned openings and between said flaps, means on said stud engaging opposed outer faces of said insulating material to clamp said stud to said bracket in insulated relation thereto, said stud extending through said slotted spring, means clamping said spring to said stud and independent means for clamping an electrical conductor to said stud.

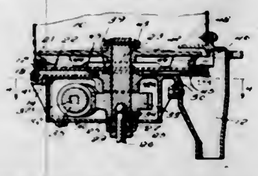
2,547,867
PLANTING MACHINE
William Haddon Judson, Haverford, Pa., assignor to Charles A. Judson, Philadelphia, Pa.
Application March 2, 1948, Serial No. 12,643
3 Claims. (Cl. 275—9)



1. In a planting machine the combination of a pair of hoppers mounted upon said machine, each having a discharge outlet for material, agitator members respectively mounted in said hoppers, separate means for operating said agitators, each means including a stub shaft projecting toward and alined with the other stub shaft, a gear box including a shaft projecting at opposite sides of said box and into alinement with said stub shafts, removable coupling means including shear pins and sleeve links between said gear shaft and said stub shafts, and means including a driven shaft to supply power from the power take-off of a tractor to said gear box.

2,547,868
MATERIAL DISTRIBUTOR
William Haddon Judson, Wayne, Pa., assignor to Charles A. Judson, Philadelphia, Pa.
Application November 8, 1949, Serial No. 126,212
3 Claims. (Cl. 222—239)

1. A material distributor comprising a tubular hopper having a discharge outlet, a rotatable table in said hopper for conveying material to said outlet, a ring gasket having a circumferential groove to seat the bottom end of said hopper, and an inwardly disposed circumferential flange to overlie the marginal edge of said table, a removable closure forming the bottom of said hopper, said closure having a circumferential seat for said gasket, means for attaching said closure to said hopper in gasket sealing relation, and means for rotating said table.

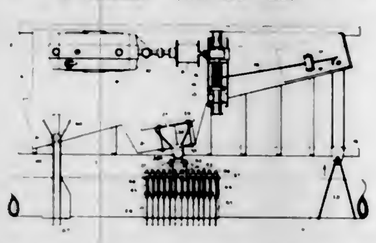


2. A material distributor comprising a hopper having a discharge outlet, a closure forming the bottom of said hopper, means for removably attaching said closure to said hopper, a table rotatably mounted in said hopper for conveying material to said outlet, a rotatable agitator above said table, a stub shaft welded to said table, means for transmitting motion of said shaft to said agitator, an open bottom gear box carried by said closure and having spaced vertical slots in the side thereof, slotted bearing blocks for telescopic assembly within said slots, a worm having trunnions mounted respectively in said bearings, a gear in mesh with said worm and fixed to said stub shaft, a removable cover plate for the bottom of said gear box, a ball step bearing carried by said plate for supporting said stub shaft, and means for actuating said worm.

2,547,869
FLUORESCENT LAMP ELECTRODE
Gerald W. Keilholtz, Lynn, and Charles W. Jerome, Marblehead, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application October 31, 1947, Serial No. 783,436
2 Claims. (Cl. 117—33.25)

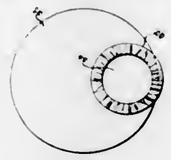
1. A fluorescent lamp electrode having a coating of electron-emissive material comprising a mixture of the oxides of calcium, barium and strontium in the following proportions: between about 20 to 40 mole percent of calcium, about 40 to 60 mole percent of barium and about 10 to 20 mole percent of strontium.

2,547,870
PIPE-BENDING APPARATUS
Clarence L. Kelso, Oilton, Okla.
Application December 4, 1947, Serial No. 789,605
8 Claims. (Cl. 153—32)



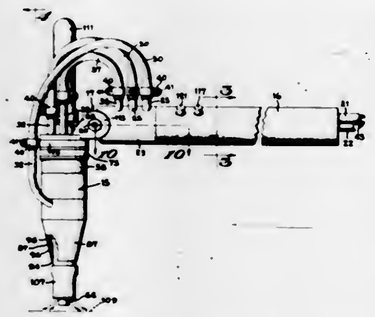
1. In a portable pipe bending apparatus comprising a frame, a plurality of pipe contacting shoes pivotally supported by the frame, means for anchoring the pipe to be bent, means for exerting a lateral pull on the pipe to cause a bending thereof against the contacting shoes, a plurality of springs cooperating with the shoes to resist the lateral pull with an increasing force.

2,547,871
CLOSURE FOR PAPER CONTAINERS
Douglas Kirk, Hudson, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application July 8, 1947, Serial No. 759,601
1 Claim. (Cl. 229—43)



A container having an outer wall with a dispensing opening located adjacent a boundary of the wall, a closure for the opening having a depressed, cup-shaped portion insertable in the opening and having a beaded margin of greater diameter than the diameter of the opening, said closure also having an outer flange resting against the outer surface of the wall with a portion of the flange projecting outwardly beyond the boundary thereof, providing a tab for ready lifting of said closure, and with a diametrically opposite portion of the flange located within the said wall and spaced from the opposite boundary of the wall, and a frangible wrapper about the container, and adhesively attached to the outer surface of the said closure, in permanent fashion, whereby when said tab is first lifted, the wrapper tears along a pair of parallel lines generally tangent to said closure providing a strip of the wrapper to which the closure remains attached, and the end of which strip provides a hinge for repeated opening and closing of the opening by swinging of the closure.

2,547,872
WELDING TORCH
Russell P. Kissick, Cincinnati, Ohio, assignor to Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Application January 31, 1948, Serial No. 5,566
11 Claims. (Cl. 219—14)



1. An electrode holder for use in electric arc welding comprising; an electrode holder, a

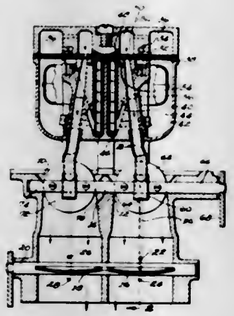
handle therefor, said holder being pivotally mounted on said handle for angular adjustment with respect thereto, said electrode holder including electrode securing means, an electrode mounted in said means and extending axially the full length of the electrode holder, said electrode projecting above said holder, and a removable insulated cap means mounted on the upper end of the electrode holder for covering the extended upper end of the electrode, said cap providing an insulated hand hold for angular adjustment of said holder.

2,547,873

COMBINED CARBURETOR CHOKE AND NOZZLE

Milton J. Kittler, Detroit, Mich., assignor to George M. Holley and Earl Holley

Application March 31, 1950, Serial No. 153,165
6 Claims. (Cl. 261—23)



1. In a carburetor for an internal combustion engine having an air entrance passage, a fuel mixture outlet and a throttle valve therein, the improvement comprising a combined choke valve and fuel nozzle, said fuel nozzle comprising a hollow cylindrical drum symmetrically located in said air entrance passage with its axis extending transversely thereof, a shaft extending axially and rotatably through said drum, a butterfly choke valve mounted radially on said shaft and having a rectangular opening closely embracing said drum, means for conducting fuel to the hollow interior of said drum, fuel discharge means on the downstream side of said drum, said fuel discharge means being arranged to discharge fuel on both sides of the downstream lip of said choke valve when said choke valve is in open position and on the engine side thereof when said choke valve is closed.

2,547,874

HYDROGEN PURIFICATION METHOD

Ernest D. Klema, Salina, Kans., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application May 24, 1948, Serial No. 28,798
3 Claims. (Cl. 23—210)

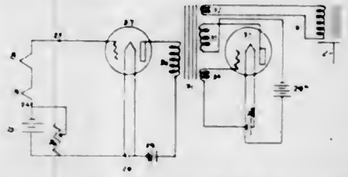
1. A method of continuously removing oxygen, water vapor, hydrohalides and halogens from a gas containing hydrogen which comprises passing the gas over a hydride of a third period light metal of the class consisting of calcium and titanium heated to a temperature of at least 250° C.

2,547,875

APPARATUS FOR TAKING PHYSICAL MEASUREMENTS IN BOREHOLES

Shelley Krasnow, New York, N. Y., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application October 29, 1936, Serial No. 108,312
2 Claims. (Cl. 73—359)



1. In apparatus for surveying a well drilled into the earth, the combination of electrical exploring means adapted to be lowered into a well for providing a continuous current signal the amplitude of which varies as a function of a subject to be investigated in a well, electrical oscillator means movable with said exploring means and incorporating a tuned circuit including fixed inductance means having a magnetically saturable core, winding means for said core connected to receive said continuous current signal so as to vary the flux density in the core and thereby modulate the frequency of the signal output of said oscillator means in accordance with the amplitude of said continuous current signal, and means for transmitting a signal having the frequency of the modulation in said oscillator output signal to the surface of the earth.

2,547,876

APPARATUS FOR INVESTIGATING A PLURALITY OF PHYSICAL VALUES IN BOREHOLES

Shelley Krasnow, Arlington County, Va., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application January 5, 1944, Serial No. 517,144
2 Claims. (Cl. 177—352)



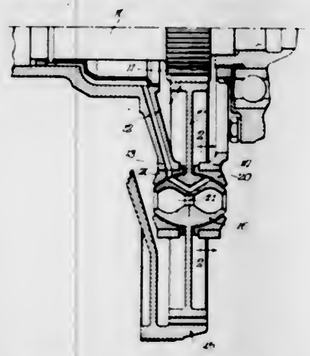
1. In apparatus for surveying a well drilled into the earth, the combination of first electrical exploring means adapted to be lowered into a well for providing a continuous current signal a characteristic of which varies as a function of a subject to be investigated in a well, second electrical exploring means movable with said first exploring means for providing a second signal representative of another subject of interest in a bore hole, first electrical oscillator means movable with said exploring means and having a tuned circuit including inductance means provided with a magnetically saturable core, winding means for said core connected to receive said continuous current signal so as to vary the flux density in the core and thereby modulate the frequency of the output signal from said first oscillator means in accordance with variations in said characteristic of the continuous current signal, second electrical oscillator means, means for modulating the frequency of the signal output of said second oscillator means as a function of said second signal, and means for transmitting a signal having frequency components that are functions of the modulation components in the outputs of said first and second oscillator means to the surface.

2,547,877

BEARING SUPPORT FOR GEARS

Carroll J. Lucia, Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 15, 1945, Serial No. 622,329
5 Claims. (Cl. 74—801)



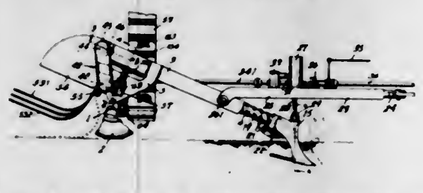
1. In a planetary gearing unit, a sun gear, an orbit gear, a planet pinion, and a carrier for said planet pinion, said planet pinion having a hub, and a bearing in said carrier to receive said hub, said bearing and hub having complementary barrel-shaped bearing surfaces with clearance therebetween, each of said surfaces having a contour in an axial plane, which is arcuate about a center spaced from the axis of the surface, said bearing and hub being so arranged as to cause a substantially equal distribution of tooth pressure throughout the full width of the meshing teeth of said planet pinion with both said sun gear and said orbit gear.

2,547,878

ROOT CROP HARVESTER HAVING TOPPING MEANS

Doyle B. Marshall, Marshall, Mich.

Application April 26, 1946, Serial No. 665,259
14 Claims. (Cl. 55—108)



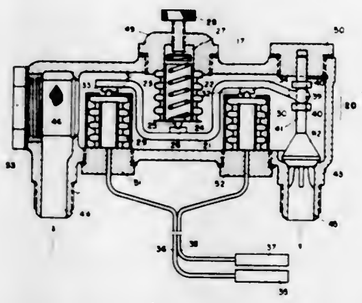
1. In a machine of the class described, the combination with a carriage, of a main frame tiltably mounted on said carriage and comprising a pair of laterally spaced forwardly inclined longitudinal bars of channel section disposed with their channels in facing relation, an auxiliary frame pivotally connected to said longitudinal bars in rearward substantially spaced relation to their front ends, means on said auxiliary frame for raising and lowering the front ends of said longitudinal bars, a pair of laterally spaced lifting plows comprising standards mounted on the front ends of said longitudinal bars and forwardly inclined blades at the lower ends of the standards and projecting laterally toward each other, the inner edges of the blades being spaced, the blades being provided with rearwardly projecting converging lifting rods, coacting tubular conveyor rollers having forwardly tapered front ends disposed in spaced relation between said longitudinal bars which constitute side guards therefor, said rollers having spiral ribs of rounded section arranged in spaced intermeshing relation, the ribs at the front ends of the rollers comprising a plurality of spaced complementary segments, supporting and driving shafts at the rear ends of said rollers, stub shafts for the front ends of the rollers, said stub shafts having laterally curved supporting portions secured to said standards, inwardly and upwardly inclined guard members on said standards disposed below the front ends of the rollers with their opposed edges in spaced relation to permit the tops of vegetables to be engaged by the rollers while limiting the upward movement of the roots of the vegetables, a pair of coacting cutters having teeth of substantial size arranged below and adjacent the rear ends of the rollers to act on the tops carried by the rollers, and drive means for the said driving shafts and cutters.

2,547,879

AIR-CONDITIONING CONTROL ARRANGEMENT

William L. McGrath, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application June 28, 1944, Serial No. 542,553
14 Claims. (Cl. 236—1)



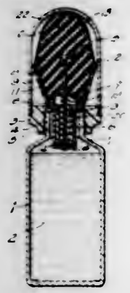
10. In apparatus for controlling the flow of temperature changing medium to a space wherein said medium may be either heated or cooled, closure means, a first thermostatic means including a bulb and a bellows, said thermostatic means being charged with a volatile liquid fill of such quantity that all of said liquid may be contained in either the bulb or the bellows, a second thermostatic means including a bulb and a bellows and charged with a volatile fluid in such quantity that neither the bulb nor the bellows can contain all of said liquid, stop means for limiting the contraction of said first bellows and the expansion of said second bellows, means connecting both of said bellows in operative relation to said closure, means positioning both of said bellows in heat exchange relation with the medium the flow of which is to be controlled, and means positioning both of said bulbs in heat exchange relation with the medium in said space.

2,547,880
METHOD AND APPARATUS FOR CORRUGATING SHEET MATERIAL AND FORMING LAMINATED CELLULAR UNITS THEREOF
Leonard S. Meyer and Eric K. Ritterhoff, Newark, Ohio
Application August 9, 1949, Serial No. 109,366
24 Claims. (Cl. 154—31)



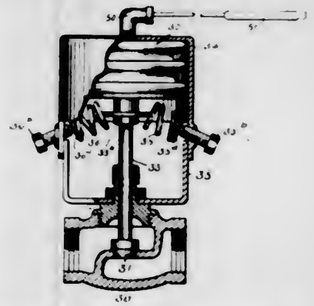
23. Apparatus for forming longitudinally extending corrugations in strips of resin-impregnated material during continuous movement of the strips which comprises a forming unit including a plurality of pairs of positively and continuously driven forming rollers between which a strip is passed, a curing unit for receiving the formed strip, said curing unit including a pair of positively and continuously driven continuous platen belts between which the strip is passed, means for heating such belts, and a pair of rollers beyond the curing unit which are positively and continuously driven, the pairs of successive rollers being driven at gradually increasing speeds for pulling the strip continuously through the forming and curing units.

2,547,881
FOUNTAIN APPLICATOR HAVING SLIDING SLEEVE WORK-OPERATED VALVE MEANS
Herman Murray, St. Louis, Mo.
Application November 6, 1947, Serial No. 784,319
1 Claim. (Cl. 15—139)



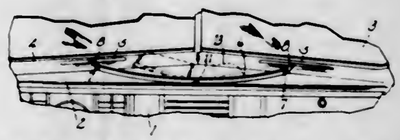
In combination with a fluid container having a screw-threaded neck, a container cap having internal screw-threads for screw-threaded connection with the screw-threaded neck and having external screw-threads for screw-threaded connection with a removable cap supported by the first mentioned cap, the container cap having a top wall having a central opening, a cylindrical valve body having a closed inner end provided with a central opening supported by the top wall of the container cap and projecting inwardly through the cap opening, the side wall of the valve body having opposed inlet openings adjacent the outer end thereof, a cup-shaped holder diverging outwardly from the outer end of the cylindrical valve body, a compressible fluid absorbing dauber having its inner end portion seated in the holder and secured thereto, a valve stem having a cross-head at its outer end anchored in the dauber beyond the outer edge of the holder, said valve stem projecting inwardly through the valve body and projecting through the central opening in the inner closed end thereof, a cylindrical slide valve member having a closed inner end secured to the inner end of the valve stem, the aforesaid valve member being telescoped with the valve body normally closing the fluid inlets to the valve body, a shoulder on the valve stem normally spaced from the outer end of the valve body and normally engaging the inner end of the dauber and serving to limit inward movement of the sliding valve member by engaging the outer end of the valve body, a coiled spring encircling the valve stem engaging the shoulder at its outer end and engaging the closed inner end of the valve body at its inner end.

2,547,882
MEANS FOR REGULATING TEMPERATURE AND PRESSURE OPERATED VALVES
Orlo Clair Norton, Erie, Pa.
Application April 30, 1945, Serial No. 591,025
4 Claims. (Cl. 236—99)



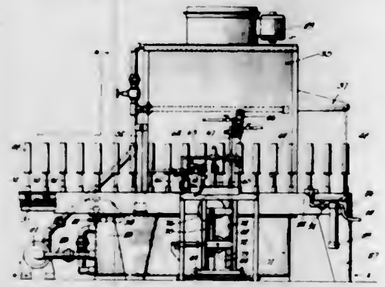
1. In a thermally controlled valve, in combination, a valve body having a seat, a valve stem, a valve head on said stem engaging said seat, a temperature responsive device connected to the end of said stem for seating said valve head on said seat, said temperature responsive device being responsive to the temperature of the fluid controlled by said valve, two oppositely disposed, counterbalanced coil springs normally at divergent angles on opposite sides of said valve stem, means for pivoting the inner ends of said springs on said valve stem, and adjustable means for pivoting the opposite outer ends of said springs and adjusting the tension of said springs, said springs opposing the longitudinal movement of said stem to seat said valve head with a predetermined progressively decreasing counterforce until said springs are in substantial longitudinal alignment and aiding the longitudinal movement of said stem to move said valve head to an open position with a predetermined progressively increasing longitudinal force.

2,547,883
RACK FOR AUTOMOBILE COWL PANELS
Willard L. Olson, Battle Creek, Mich.
Application July 30, 1948, Serial No. 41,477
2 Claims. (Cl. 224—42.42)



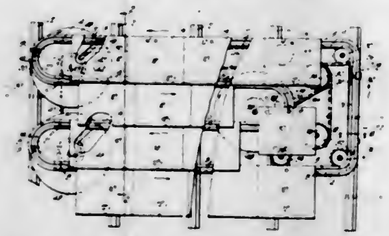
2. A rack adapted to be installed over the cowl panel of an automobile comprising an elongated narrow strip of springable and bendable material, the ends of said strip being bent at an angle to the center of said strip, the ends of said bent portions being twisted into upwardly sloping converging planes, the ends of said twisted portions being turned downwardly from said twisted portions, and cushioning elements positioned around said downturned ends.

2,547,884
SPRAY COATING APPARATUS
Jens A. Paasche, Chicago, Ill.
Application July 20, 1944, Serial No. 545,812
13 Claims. (Cl. 91—45)



3. An apparatus for applying a coating to surfaces of articles comprising an endless conveyor provided with spaced supports for articles to be coated, movably mounted spraying means arranged to coat surface portions of said articles, article detecting control means arranged adjacent said spraying means for controlling the actuation of said spraying means in accordance with the condition of said article supports, and means operative to move said spraying means in coordination with the movement of said article supports.

2,547,885
CONVEYER
Herbert Pomerantz, Pittsfield, Mass.
Application November 2, 1945, Serial No. 626,259
3 Claims. (Cl. 211—1.5)



1. In a conveyor of the character described, the combination with a plurality of vertically spaced, horizontally-extending tracks each comprising a pair of spaced angle irons with each angle iron having a horizontal and vertical flange, of curved tracks connecting said vertically-spaced tracks together; the top track being connected at one end only to the next lower track, each track intermediate the top and bottom tracks being connected at one end only to the next lower track and the bottom track being connected to the top track to form a continuous track system; rollers mounted to ride in said tracks, shelf-forming units, means pendulously supporting said units on said rollers in contiguous relation to each other when said rollers are supported on the horizontal sections of said tracks to form substantially horizontally-extending shelves, and mechanism for effecting movement of said units on said tracks; whereby said units may be moved from top, shelf-forming position to bottom, shelf-forming position and thence back to top, shelf-forming position.

2,547,886
THERAPEUTICAL DEVICE
Noel J. Poux, Meadville, Pa.
Application June 24, 1947, Serial No. 756,698
7 Claims. (Cl. 62—1)

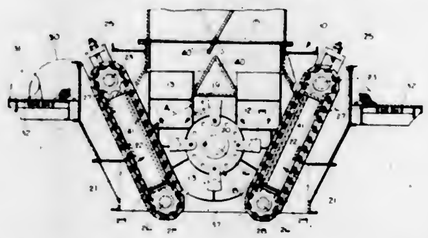


1. A therapeutical device of the class described comprising a hollow body member made of flexible material and a plurality of capsule-like members loosely disposed in the hollow portion of said body member, each of said capsule-like members being permanently sealed and containing a liquid which is adapted to be either heated or frozen.

2,547,887
REFRIGERANTS AND REFRIGERATION PROCESSES
Winston H. Reed, Radford, Va., and William A. Pennington, Fayetteville, N. Y., assignors to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
No Drawing. Application February 24, 1949, Serial No. 78,228
3 Claims. (Cl. 62—178)

1. A refrigerant for use in a compressor-condenser-expander refrigeration system consisting of a mixture of dichlorodifluoromethane and methyl chloride having a pressure at a predetermined temperature greater than the pressure of either component at such temperature and containing approximately 78.5 parts by weight of dichlorodifluoromethane and approximately 21.5 parts by weight of methyl chloride.

2,547,888
REVERSIBLE CRUSHER WITH TRAVELING BREAKER PLATES
Leslie A. Rhodes, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 16, 1947, Serial No. 741,845
6 Claims. (Cl. 241—186)



1. A reversible crusher including a frame providing a reducing chamber having a wide open top feed opening, a pair of spaced side rectilinear-

ly traveling breaker plate means forming opposite sides of said reducing chamber, a reversible swing hammer rotor located centrally of said reducing chamber and between said pair of breaker plate means, said breaker plate means sloping inwardly and downwardly whereby they are spaced apart a maximum at the top and nearest said feed opening, and chute guide means above the axis of rotation of said rotor adapted to guide material selectively to one side or the other of said rotor as it is fed through said feed opening.

2,547,889
PIPE CONNECTOR
James C. Richardson, Waterbury, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application December 14, 1946, Serial No. 716,369
11 Claims. (Cl. 285—86)



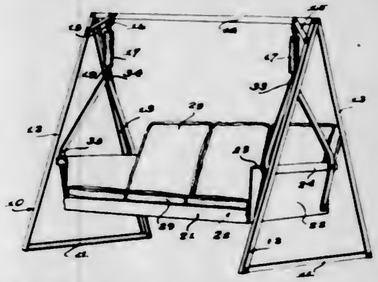
1. A connector for flaring the end of a ductile pipe over a flare-forming end on a body, and for clamping the flared end of the pipe against said body in leakproof engagement therewith, comprising a ferrule having a bore for slidably receiving the pipe, and means for clamping the flared end of the pipe against the end of said body; a clamp member movable along the ferrule toward said body to constrict the ferrule against the pipe and thereby form a driving connection therewith; a draft member engaging said clamp member and said body, operable on the latter to advance said clamp member in ferrule-constricting direction; cooperating means on said ferrule and body for impositively obstructing advancement of the ferrule toward said body during advancement of the clamp member to form said driving connection; and means on the ferrule operable upon continued operation of said draft member after driving connection-forming operation thereof to overcome said impositive obstructing means and to advance the ferrule and clamp member, together with the pipe, toward said flare-forming end on the body, thereby flaring the pipe and clamping the flared portion of the pipe between the end of said body and said clamping means of the ferrule.

2,547,890
ELECTRICAL CIRCUITS
Milton D. Rubin, Dorchester, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 25, 1948, Serial No. 29,004
16 Claims. (Cl. 250—36)



1. A servo system, comprising a condenser, means for charging said condenser in a stepwise manner with a predetermined polarity, means responsive to changes in potential of said condenser for deriving simultaneously with such changes pulses of a polarity which reverses when a desired condition is reached by a controlled device, and means actuated by a pulse of said reverse polarity for reducing the charge of said predetermined polarity on said condenser.

2,547,891
SOFA SWING
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 5, 1946, Serial No. 701,483
1 Claim. (Cl. 155—66)



In a swing suspended from the crown bar of an upright supporting standard, the swing comprising a seat having upright end members, an arm rest extending laterally outward from the upper end of each end member, and means for suspending each end of the swing from the supporting standard including a pair of rigid strap metal arms joined at their upper ends, link means connecting the joined ends of the arms to the supporting standard crown bar, said arms extending divergingly from their joined ends and bowing outwardly and downwardly to the outer side of the adjacent arm rest, fastener means securing each arm to the arm rest, lower end portions of said arms inclining downwardly and inwardly from the arm rest to the lower portion of the adjacent end member, and fastener means securing the lower ends of said arms to the end member.

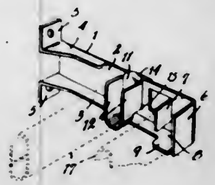
2,547,892
CONTAINER FOR PAPER NAPKINS
Robert B. Stevens, Greenwich, N. Y.
Application October 7, 1947, Serial No. 778,353
4 Claims. (Cl. 206—57)



2. A package of paper napkins comprising a plurality of said napkins folded into rectangular form and arranged in side-by-side relation, and a closed, paper board container therefor, including front, back and side panels a single ply in thickness substantially throughout and having flaps thereon folded over and adhesively secured together to form the top and bottom closures of said container in which said napkins are supported on edge on the bottom thereof; said front and back panels of said container being parallel to said folded napkins and each being provided with a substantially continuous line of weakness

extending through the four top corners thereof and, intermediate the top corners of said front and back panels, through zones substantially below the top edges of said front and back panels whereby to expose a substantial portion of both sides of the body of said napkins when the portions of said front and back panels lying above said lines of weakness are removed by rupturing said panels along said lines; whereby said portions of said front and back panels and the flaps attached thereto may be readily removed from said container by squeezing them towards each other to effect a rupture of said panels along said lines of weakness and, thereafter, merely lifting them from the top of said container.

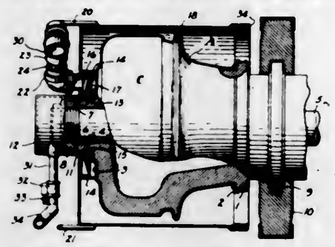
2,547,893
CURTAIN ROD BRACKET
Frederick L. Stutz, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Application January 10, 1946, Serial No. 640,305
5 Claims. (Cl. 248—263)



1. In a curtain fixture, the combination of a bracket comprising an arm of angular section disposed with one flange horizontally and the other vertically, the horizontal flange terminating short of the outer end of the vertical flange, the outer end of the vertical flange being disposed laterally at the end of the horizontal flange and constituting a socket front wall, the vertical flange having a tongue-like portion struck therefrom and disposed in spaced relation to said front wall to provide an opposed rear wall, the horizontal flange constituting a bottom for the socket, said vertical flange having a plurality of longitudinally spaced detents formed therein, and a stirrup-like socket member provided with a U-shaped clip removably and adjustably engaging the vertical flange, the outer arm of said clip being springable and having a hole selectively engageable with said detents in said vertical flange.

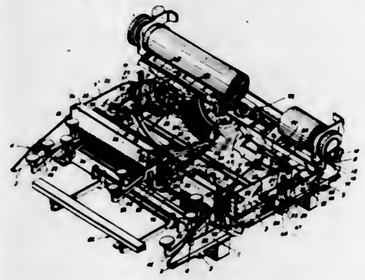
2,547,894
DEVICE FOR STRIPPING ANNULAR ELASTIC RUBBER ARTICLES FROM A CORE
Henry Treckman, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 30, 1949, Serial No. 107,680
5 Claims. (Cl. 18—2)

1. A core stripper for removing an annular elastic rubber article from a core upon which it has been molded comprising a head having a central recess and an annular nozzle surrounding the recess and engageable with an annular edge portion of the article that lies upon an end shoulder of the core, a valve controlled suction conduit connected to said nozzle for creating a suction in said nozzle to draw the annular edge portion of the article away from the core and to hold the same to the head, and a valve controlled pressure conduit for delivering fluid under pressure into said central recess of the head and be-



tween the core and elastic rubber article to free the article from the core.

2,547,895
CASE SHIFT MECHANISM FOR TYPEWRITING MACHINES
John C. Veltman and William O. Michelsen, St. Louis County, Mo., assignors to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application August 27, 1945, Serial No. 612,772
10 Claims. (Cl. 197—73)

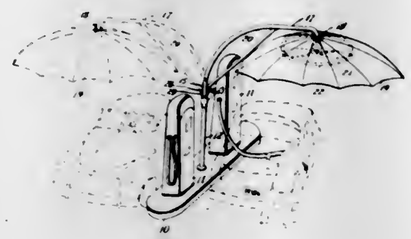


1. In a typewriting machine including a platen carriage assembly and a type bar assembly, said assemblies being pivoted for rocking movement in a frame, an interconnection between said assemblies comprising rocking bars pivotally supported on the frame and pivotally connected to each of said assemblies, and a shift mechanism for actuating said rocking bars, whereby said assemblies are moved in opposite arcuate directions for upper and lower case printing positioning of the type bars.

2,547,896
CANOPY FOR GASOLINE DISPENSING PUMPS
James F. Wellen, Pittsburgh, Pa., assignor of one-half to Paschal P. Cafardi, Pittsburgh, Pa.
Application October 31, 1949, Serial No. 124,650
4 Claims. (Cl. 230—241)

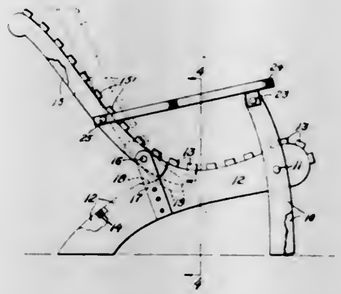
1. A protector comprising a vertical standard, a supporting member journaled for rotation in the upper end of said standard, said supporting member having an off-set portion terminating in an end off-set from the line of the vertical standard, a canopy supported on the off-set end of the supporting member, a reinforcing member exteding from a point on the supporting member adjacent the journal to the off-set portion of said supporting member, a fan mounted centrally of interior of the canopy, a light surrounding said fan, a pair of electrical circuits extending through

the supporting member from the fan and the light to a rotary contact at the journal between



the standard and supporting member, and means for interrupting each of said circuits.

2,547,897
ADJUSTABLE BACK REST FOLDING CHAIR
Brunislaw F. Wozniak, Lynn, Mass.
Application June 4, 1947, Serial No. 752,321
1 Claim. (Cl. 155—161)



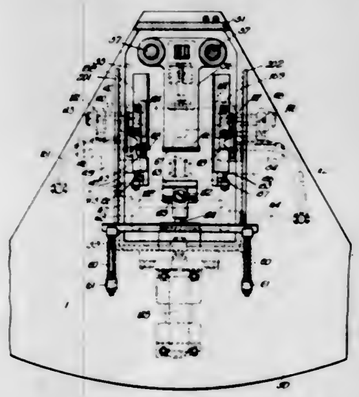
A folding chair of the character described comprising, when in useable condition, a pair of upstanding front legs; a pair of inclined rear legs pivotally connected adjacent to their forward ends to said front legs intermediate the opposite ends of the latter and provided with a seat for the occupant, each of said inclined rear legs being provided between its front and rear ends with an upwardly extending outwardly off-set bracket; a back rest comprising a pair of side-bars pivotally connected adjacent to their lower ends to said brackets in positions where they are disposed in the same vertical planes with said rear legs with their lower extremities in immediate proximity to arcuate surfaces provided upon said rear legs which are concentric with said pivotal connections thereby to afford lateral support to the back rest, said side-bars being made at their lower ends with inwardly off-set extensions disposed between said rear legs that are engageable with the under side of said seat to limit the rearward pivotal movement of said back rest relatively to said rear legs, and arms pivotally connected adjacent to their rear ends to said side-bars and also pivotally connected adjacent to their forward ends to the upper end portions of said front legs.

2,547,898
WELTING INSTRUMENTALITY FOR KNITTING MACHINES AND METHOD OF USE
Eugene M. Zesch, Shillington, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application January 14, 1949, Serial No. 70,914
8 Claims. (Cl. 66—96)



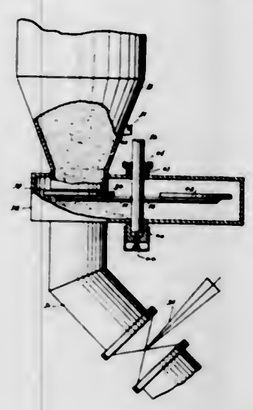
1. A welting instrumentality for use with needles of a knitting machine in the manner described, having a shank; a rearwardly-offset elongate hook at one end of the shank with its back parallel to the adjacent portion of the shank; and a relatively narrow yarn entrant throat between the tip of the hook and the region of mergence of the shank with the hook back.

2,547,899
PRESSURE MECHANISM FOR BOX FORMING MACHINES
Julius A. Zinn, Jr., Chicago, Ill.
Application June 4, 1947, Serial No. 752,364
22 Claims. (Cl. 93—44.1)



1. In a forming machine, a table having a well with a fixed bottom, a mandrel, means for reciprocating the mandrel into and out of the well, means for feeding a blank to a point above the well and below the raised mandrel whereby downward movement of the mandrel forces the blank into the well, the mandrel holding a portion of the blank against the well bottom, means for forcing and holding side portions of the blank against the sides of the mandrel, means for folding portions of the blank against upper portions of the mandrel, means for holding said portions against the mandrel, means for folding bottom forming portions of the blank adjacent the bottom of the mandrel in the well, and means for forcing and holding the bottom forming portions against the mandrel.

2,547,900
FLUIDIZED CATALYTIC CRACKING SYSTEM WITH ROTATING DISK SLIDE VALVE
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 3, 1948, Serial No. 12,802
3 Claims. (Cl. 23—288)

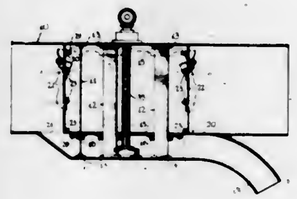


1. In a continuous, catalytic cracking system in which catalyst is passed through a reactor and regenerator and connective means, the flow of catalyst being continuous and in a downward direction through both the reactor and the regenerator, the improvement which comprises valve means for closing the outlet of at least one of said vessels and operative means for closing said valve means, said means comprising a chamber inserted in the system to form a part of the connective means and located below said vessel such that the catalyst outlet of said vessel projects into said chamber and terminates near the top, an axle mounted in said chamber with one end projected through said chamber capable of rotary motion about its longitudinal axis, a cross-member attached to said axle, a valve plate attached to one end of said cross-member disposed immediately below the catalyst outlet of said vessel, a counterweight attached to the opposite end of said cross-member, a handle connected to the external end of said axle capable of being moved to rotate said axle, a first lug shaped in the form of an inclined plane attached to said vessel, a second lug shaped in the form of a mating plane attached to said handle adapted to make contact with said first-named lug as the valve is closed causing the valve to lift sufficiently to prevent the flow of catalyst and gases from said vessel, and means defining an outlet from said chamber connected to said connective means and conducting therewith.

2,547,901
PROCESS FOR THE MANUFACTURE OF ALKALI METAL ALUMINUM FLUORIDE
Erling Brodal and Henning Guldhav, Hoyanger, Norway, assignors to Aktieselskapet Norsk Aluminium Company, Oslo, Norway
No Drawing. Application November 15, 1945, Serial No. 628,977. In Norway May 6, 1941
2 Claims. (Cl. 23—88)

1. Process for the manufacture of alkali metal aluminium fluoride comprising the steps of heating fluorspar with alkali and silica to a temperature which is at least high enough to bring about sintering of the charge and thereupon lixiviating the resulting reaction mass in an aqueous liquid, containing some free alkali metal hydroxide, adding alkali metal aluminate in aqueous solution to the resulting solution of simple alkali metal fluoride in the presence of sufficient alkali to result in the formation of an alkaline solution of alkali metal aluminium fluoride, containing some free alkali metal hydroxide, separating suspended solids from the resulting solution and adding a neutralizing agent to the clear solution so obtained to precipitate solid alkali metal aluminium fluoride therefrom.

2,547,902
APPARATUS FOR CLEANING GASES
John E. Burton, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1946, Serial No. 684,695
4 Claims. (Cl. 183—7)

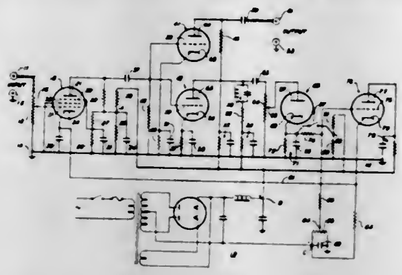


1. Gas cleaning apparatus comprising in combination, a main gas duct, a waste duct branching from the main duct, means for collecting dust from gas passing along the main duct, scraper means for periodically removing dust from said collecting means and carrying it to said waste duct, and means for closing the main duct at times and causing gas to flow in the exhaust duct to carry the dust off through said waste duct.

2,547,903
AUDIO AUTOMATIC VOLUME CONTROL SYSTEM
Hilyer A. Du Bois, Hempstead, N. Y., assignor of one-half to Eugene J. Venaglia, East Hempstead, N. Y.
Application April 3, 1947, Serial No. 739,129
4 Claims. (Cl. 179—171)

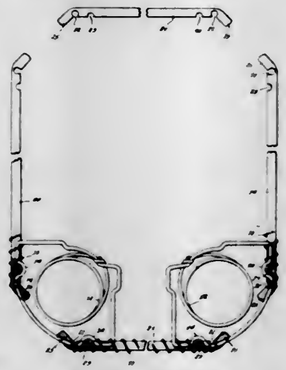
4. An audio automatic volume control circuit for maintaining substantially constant output audio signal level over a wide range of input audio signal level variations, comprising a variable-gain control amplifier adapted to be supplied with said variable level audio input signals, and a cathode-biasing circuit for said amplifier com-

prising a rectifier circuit responsive to the output of said amplifier for producing a control signal corresponding to the average level of said input audio signals, an electron tube circuit responsive to said control signal and having a cathode and a cathode load resistor, a direct connection from said latter cathode to said amplifier cathode, and a condenser connected in series with said amplifier cathode and in the input circuit of said amplifier, whereby the amplification



of said amplifier is controlled by said control signal to produce substantially uniform-level signals in the output of said amplifier, and whereby said automatic volume control circuit is more quickly responsive to increases in input audio signal level than to decreases therein.

2,547,904
INNER SPRING ASSEMBLY
Charles J. Elder, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application September 28, 1944, Serial No. 556,163
3 Claims. (Cl. 5—260)



1. In an inner spring unit of the type described, a plurality of parallel rows of compression springs having end turns lying substantially in a common plane, border-frame members located in such plane and extending along ends and sides of the unit in both directions from and tangentially of the end turns of compression springs at the corners of the unit, said corner end turns being provided with offsets, said border-frame members being provided adjacent said offsets with shoulders, and helical springs extending along the ends and sides of the unit and embracing the border-frame members and adjacent corner end turns, said helical springs including turns which are received between each offset and its adjacent shoulder in position to engage both and prevent longitudinal movement of the border-frame member relative to the corner springs.

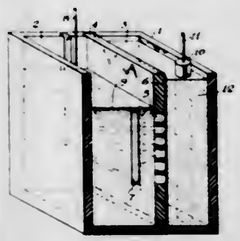
2,547,905
2-VINYLTHIOPHENE FROM THIOPHENE BY CHLOROETHYLATION AND DEHYDROHALOGENATION
William S. Emerson and Tracy M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 23, 1950, Serial No. 151,542
3 Claims. (Cl. 260—329)

1. A method of preparing 2-vinylthiophene which comprises reacting thiophene and acetaldehyde in the presence of an excess of a hydrogen halide, adding approximately a stoichiometric proportion of a tertiary amine, and separating the 2-vinylthiophene by distillation in the presence of an olefinic polymerization inhibitor.

2,547,906
PROCESS FOR PREPARING ALKANE SULFONIC ACIDS
John K. Fincke, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 24, 1948, Serial No. 10,588
5 Claims. (Cl. 260—513)

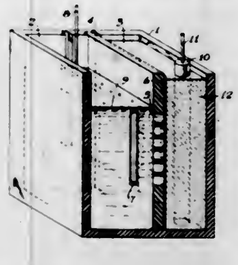
1. The process for producing alkane sulfonic acids which comprises treating β-(alkyl mercapto) ethanol with nitric acid at a temperature at which nitrogen peroxide is evolved and the $-C_2H_4OH$ group present therein is oxidized and recovering alkane sulfonic acids from the reaction product.

2,547,907
MAGNESIUM PRIMARY CELL
Ashford B. Fry, Roy C. Kirk, and Percy F. George, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 27, 1949, Serial No. 73,063
22 Claims. (Cl. 136—100)



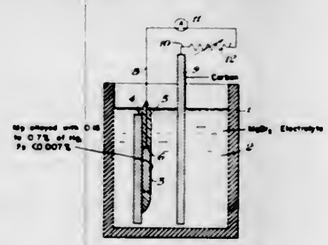
1. In a primary cell the combination comprising a magnesium anode, a manganese dioxide-depolarized cathode, and an electrolyte comprising an aqueous solution of an inorganic bromide selected from the group consisting of the bromides of the alkali and alkaline earth metals.

2,547,908
PRIMARY CELL
Ashford B. Fry, Roy C. Kirk, and Percy F. George, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 27, 1949, Serial No. 73,064
14 Claims. (Cl. 136—100)



1. A primary cell comprising a magnesium anode, a manganese dioxide-depolarized cathode, and an electrolyte comprising an aqueous solution of ammonium bromide.

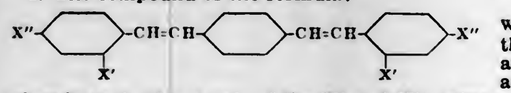
2,547,909
PRIMARY CELL
Percy F. George, Ashford B. Fry, and Roy C. Kirk, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 7, 1949, Serial No. 91,928
2 Claims. (Cl. 136—100)



1. In a primary cell having in combination an aqueous electrolyte, an anode, and a cathode, the improvement which consists in forming the anode of magnesium alloyed with from 0.16 to 0.7 per cent by weight of mercury, the iron content of the alloy not exceeding 0.007 per cent.

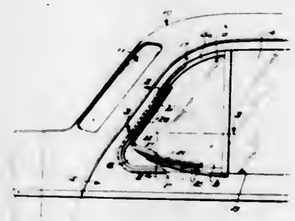
2,547,910
ACYLATED DERIVATIVES OF CERTAIN DIAMINO DISTYRYLBENZENE DISULFONIC ACIDS
Heinrich Häusermann and Reinhard Zweidler, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application August 8, 1949, Serial No. 109,224. In Switzerland August 13, 1948
4 Claims. (Cl. 260—507)

1. The compound of the formula:



wherein each of one pair of the X′ and X″ pairs represents a sulfonic acid group attached to the adjacent benzene nucleus by the S atom, and each of the other pair represents an R.CO.NH group attached to the adjacent benzene nucleus by the amino N, R standing for a member selected from the group consisting of lower alkoxy, alkyl, phenylalkyl, phenoxyalkyl and amino, the alkyl being in each case lower alkyl.

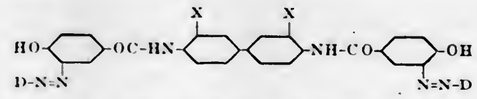
2,547,911
RAIN GUARD FOR AUTOMOBILE VENTILATING WINDOWS
Joseph G. Heyck, Tampa, Fla.
Application October 14, 1949, Serial No. 121,313
12 Claims. (Cl. 296—44)



1. A rain-guard of the character described including two rain deflector blades articulately joined at one of their ends and adapted to be angularly disposed one to the other, and means associated with said blades and engageable with a ventilating window pane of a vehicle for holding said blades closely against the outer surface of said window pane with one of said blades extending from its joined end generally rearwardly and with downward inclination along the lower portion of said pane and with the other blade extending from its joined end generally upwardly along the pane, whereby rain driven forwardly over the outer surface of said window pane is caught by said upwardly extending blade and deflected thereby toward the other blade and rain flowing down the outer surface of said window pane is caught by said rearwardly extending blade and conducted thereby rearwardly and discharged from the rear end of said blade.

2,547,912
DISAZO DYESTUFFS
Peter Hindermann, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application September 7, 1948, Serial No. 48,156. In Switzerland September 15, 1947
6 Claims. (Cl. 260—178)

1. A disazo dyestuff corresponding to the formula



wherein X stands for a member selected from the group consisting of H, Cl, CH_3 and OCH_3, and D represents a carbocyclic naphthol sulfonic acid radical coupled in o-position to its hydroxyl group.

2,547,913

PROCESS FOR THE PREPARATION OF VANILLIN AND VANILLIN DERIVATIVES

Paul Lagally, Aschaffenburg Main, Germany, assignor to Aschaffenburger Zellstoffwerke, Aktiengesellschaft, Redenfelden/Oberbayern, Germany

No Drawing. Application February 13, 1950, Serial No. 144,038. In France June 16, 1948

5 Claims. (Cl. 260—600)

1. A process for the preparation of vanillin and vanillin derivatives from lignin, which comprises heating the lignin to a temperature above 100° C. with a water-soluble organic oxygen liberating compound, liberating oxygen at a temperature of above 100° C. and selected from the group consisting of

$$R_3\overset{+}{N}-O^-, \quad R_2\overset{+}{S}-O^- \quad \text{and} \quad R\overset{+}{I}-O^-$$

wherein R stands for an alkyl aryl or aralkyl radical in an alkaline medium.

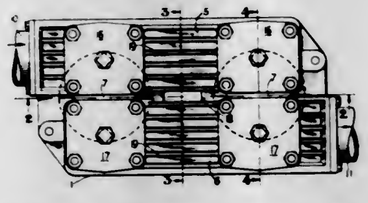
2,547,914

CYLINDER HEAD

Ralph E. Lamberton, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio

Application January 15, 1946, Serial No. 641,393

2 Claims. (Cl. 230—211)



1. In combination with a plurality of adjacent but laterally spaced cylinders, a head common to said cylinders and covering the ends of said cylinders, said head comprising an elongated unitary structure which includes an inlet manifold and a discharge manifold extending longitudinally and disposed adjacent each other and each being common to said cylinders and extending over the ends thereof, said manifolds being integrally joined at their ends but having an air circulating passageway formed therebetween and extending entirely therethrough at a location between the adjacent cylinders, said passageway being of elongated cross-section and being disposed along the longitudinal center line of the head, said passageway having its upper and lower ends open to the ambient air so that such air will circulate through said passageway and will minimize transfer of heat between said manifolds.

2,547,915

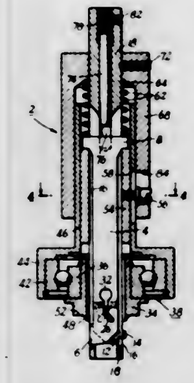
GROOVING TOOL

George H. Leonard, Darien, Conn., assignor to C. G. S. Laboratories, Inc., Stamford, Conn.

Application July 28, 1948, Serial No. 41,079

2 Claims. (Cl. 77—58)

1. In a grooving tool for cutting internal grooves in bores, the combination comprising a tool body having a longitudinal slot therein, a housing surrounding a portion of said body and keyed thereto for rotary movement therewith and for longitudinal movement with respect thereto, a flat cutting blade positioned along said slot and having a laterally-extending groove-cutting edge at one end and a T-shaped head at the opposite end the upper surface of which forms an angle of less than ninety degrees with respect to the longitudinal axis of said body, said blade being pivotally anchored to said housing, a cam surface associated with said blade and tool body for applying a rotary force to said blade



upon relative longitudinal movement therebetween to cause said cutting edge to extend from said slot, and a blade retracting compression spring surrounding said body and bearing upon said housing and said upper surface of said T-shaped head thereby to tend to separate axially said body and said housing and to rotate said blade so as to retract said cutting edge.

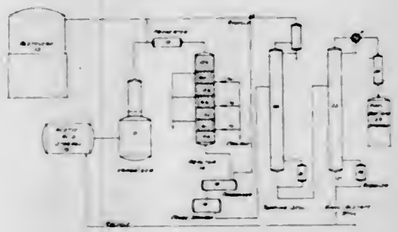
2,547,916

MULTISTAGE CONTINUOUS REACTION PROCESS FOR THE PRODUCTION OF VINYL ACETATE

Ralph R. Wenner, West Carrollton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application October 16, 1946, Serial No. 703,539

6 Claims. (Cl. 260—498)



4. Process for the production of vinyl acetate which comprises accelerating the reaction of acetic acid and acetylene on a zinc catalyst installed in sections permitting heat to be released, and decelerating the reaction by indirect heat exchange periodically between catalyst sections the length of the catalyst bed whereby the heat release per hour per square foot of catalyst cross section does not exceed twenty-five times the mass velocity while increasing the mean reaction temperature from section to section.

2,547,917

PROCESS FOR MAKING PREGNANE DERIVATIVES SUBSTITUTED IN 21-POSITION

Albert Wettstein and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application December 8, 1947, Serial No. 790,442. In Switzerland December 13, 1946

12 Claims. (Cl. 260—397.4)

1. A process for the manufacture of a pregnane derivative which is substituted in the 21-position, which comprises subjecting a $\Delta^{20,23}$-choladiene, which in the 21-position contains a member selected from the group consisting of an esterified and an etherified hydroxyl group and a halogen atom, to the action of a compound of hexavalent chromium whereby the conjugated double bond is split, with formation of the 20-ketone.

2,547,918

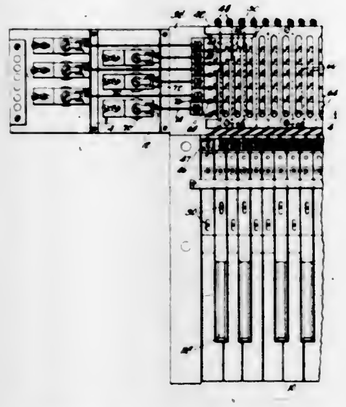
ELECTRIC ORGAN COUPLER ASSEMBLY

Victor I. Zuck, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application August 22, 1946, Serial No. 692,251

14 Claims. (Cl. 84—341)

1. In a coupler assembly for an electric organ, a base, a plurality of resilient movable contact fingers extending from said base, said contact fingers being disposed in ranks and files, a plurality of movable contact members each associated with a file of said contact fingers, means for selectively operating said contact fingers by ranks, means for selectively operating said contact members into electrical contact with the contact fingers associated therewith, an alignment board fixedly secured to and spaced from said base, said alignment board having a row of slots therein which are spaced in accordance with the spacing of the files of contact fingers to form

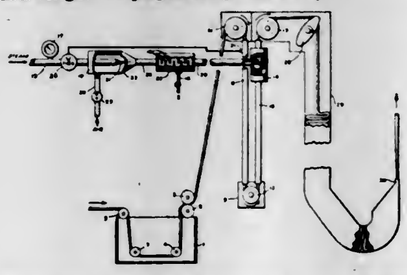


contact-abutment surfaces, the free ends of the contact fingers in each file thereof being biased to engage a corresponding one of the abutment surfaces of said alignment board, whereby said contact fingers are positioned at equal distances from their associated contact members.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

591,864. **BLEACHING PROCESS.** Neil J. Stalter, Charlotte, N. C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed May 4, 1945. Published Apr. 3, 1951. Class 8—139. 1 sheet of drawings. 11 pages of specification.



The process of this application may be used to advantage in the caustic soda and bleaching treatment of cellulose textile fabrics containing yarns or fibers dyed with vat dyes of the various vat dye classes, for example, the anthraquinone, indigo, and thioindigo vat dyes.

In accordance with the present application, it has been found that fabrics containing vat-dyes of different colors and of different classes can be very satisfactorily bleached by maintaining the following controls over the alkaline scouring solution and steaming operations.

The alkaline scouring solution must have a total alkalinity equivalent to between ½% and 5% NaOH, by weight, and it must have a pH value of between 11.5 and 13.5. The alkaline scouring solution may contain alkaline chemicals and adjuvants such as sodium carbonate, sodium bicarbonate, sodium pyrophosphate, and silicate of soda, as well as wetting agents and buffering agents.

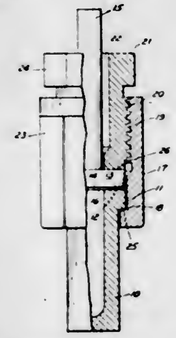
A considerable portion of the caustic soda solution, or other alkaline scouring solution, must be removed from the fabric before it is subjected to the steaming operation. The fabric passing into the steaming unit must contain between 80% and 110%, by dry weight, of the fabric of the caustic soda solution.

The steam used in the steaming operation should preferably contain not more than 5% moisture. Sufficient steam-air mixture must be passed into the steaming tubes to heat the fabric to a temperature of at least 150° F. The temperature to which the fabric is heated is determined by a thermometer placed in contact with the fabric at a point where the fabric has travelled approximately one-half the distance through the storage chamber **29** as shown in the drawing. Sufficient air must be entrained by the steam to constitute at least 10% by weight of the steam-air mixture. Preferably, the quantity of air in the steam-air mixture is such that no more than 1000 pounds of steam per hour will be necessary to heat 3000 pounds of the fabric to the desired temperature passing through the steaming and storage apparatus during the same period of time.

It is greatly to be preferred that the steam flow be controlled so that the temperature of the fabric does not exceed 250° F. Preferably, the temperature of the cloth is maintained at a temperature between 175° F. and 212° F.

It is preferred that the entire steaming operation including the temporary storage of the fabric be carried out within a period of not to exceed one hour.

651,287. **VESSEL AND CLOSURE.** Lewis E. Tufts, Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Mar. 1, 1946. Published Apr. 3, 1951. Class 23—252. 1 sheet of drawings. 13 pages of specification.



This reaction vessel comprises a cylindrical nickel container **10** having a chamber therein for receiving materials to be treated. A flange **11** around the open end of the container cooperates with a nickel cover **13** and steel clamping member **17**. A thin annular gasket **16** of carbonizable material such as regenerated cellulose is placed between the cover **13** and the container.

When the assembled vessel is heated, the differential expansion of the nickel and steel members increases the pressure between the nickel faces as the gasket carbonizes and insures a perfect seal with no tendency of the faces to weld or seize.

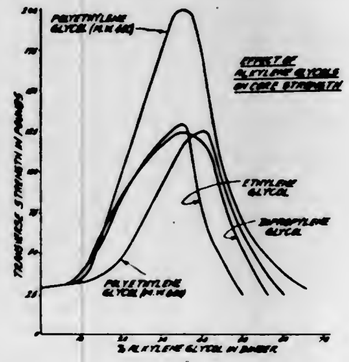
677,639. **CORE COMPOSITION.** Leopold Pessel, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware. Filed June 18, 1946. Published Apr. 3, 1951. Class 252—62.5. 1 sheet of drawings. 10 pages of specification.

The application relates to a molded core suitable for induction coils and made of a composition comprising a powdered ferromagnetic material, such as powdered iron or powdered magnetic iron oxide, a binder of a thermosetting resin, such as a phenol-formaldehyde condensation product, and a plasticizer from the class consisting of alkylene glycols and polyalkylene glycols having a molecular weight of up to about 6,000. An inert

filler other than the magnetic powder may be included. The glycol constitutes between 5 and 50% of the binder portion of the composition.

Cores prepared from these compositions including the glycol plasticizer have improved transverse strength and greater stability of magnetic properties as compared with cores made of compositions containing no glycol plasticizer.

The core compositions will contain from 80 to 99.5% of filler and from 0.5% to 20% of a binder. The magnetic fillers contemplated for use are powdered iron, carbonyl iron, powdered iron oxide, and magnetite. The non-magnetic fillers may comprise silica or Portland cement. The



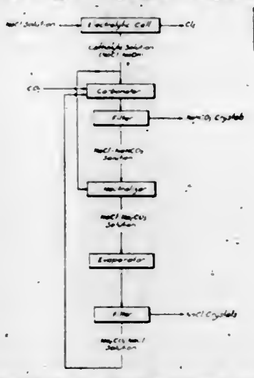
resin binders are chiefly the aldehyde type of resin, such as the phenol-aldehydes and the amino aldehydes, although the use of other thermo-reactive resins, such as thermo-reactive silicone resins is likewise suggested. Specific examples of the aldehyde type resins are: phenol-formaldehyde, phenol-furfural, cresol-formaldehyde, resorcinol-formaldehyde, urea-formaldehyde, melamine-formaldehyde. The optimum effect of the alkylene glycol family follows from the use of polyalkylene glycols having an average molecular weight of about 500.

The following table gives a number of embodiments of varying core compositions together with the increase in core strength following upon the addition of the alkylene glycols:

Filler Material	Per Cent	Binder	Per Cent	Alkylene Glycol within Binder	Per Cent	Strength Increase Per Cent
Carbonyl Iron	95	Phenol-Furfural	5	Polyalkylene glycol (mol. wt. 6000)	20	100
Carbonyl Iron	95	Phenol-Furfural	5	Monoethylene glycol	20	108
Carbonyl Iron	95	Phenol-Furfural	5	Tetraethylene glycol	20	77
Carbonyl Iron	95	Phenol-Furfural	5	Dimethoxy-Tetraethylene glycol	20	44
Carbonyl Iron	95	Phenol-Formaldehyde	5	Tetraethylene glycol	20	200
Silica Powder	88	Phenol-Furfural	12	Nonaethylene glycol	20	280
Magnetic Iron Oxide	95	Phenol-Furfural	5	Nonaethylene glycol	35	570
Magnetic Iron Oxide	95	Resorcinol Formaldehyde	5	Nonaethylene glycol	35	350
Magnetic Iron Oxide	95	Phenol-Furfural	5	Dipropylene glycol	35	357
Magnetic Iron Oxide	95	Melamine Formaldehyde	5	Nonaethylene glycol	35	316
Magnetic Iron Oxide	95	Thermo-reactive Silicone Resin	5	Nonaethylene glycol	35	43

Figure 1 shows how the transverse strength in pounds of cores containing various percentages of different glycols varies with percentage of the plasticizer and chemical composition of the plasticizer.

695,523. **PRODUCTION OF ALKALI METAL BICARBONATE AND CHLORIDE.** William N. Smith, Lake Jackson, Tex. Filed Sept. 7, 1946. Published Apr. 3, 1951. Class 23—64. 1 sheet of drawings. 7 pages of specification.

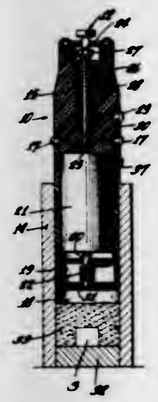


Sodium bicarbonate and sodium chloride are prepared from effluent catholyte of a chlorine-sodium hydroxide electrolytic brine cell. Carbon dioxide is injected into the catholyte after it leaves the cell in a proportion sufficient to convert the sodium hydroxide to sodium bicarbonate; the latter is insoluble and is removed by filtration. The filtrate is then treated with additional catholyte to convert residual sodium bicarbonate to sodium carbonate. Water is then evaporated from the treated filtrate to cause precipitation of most of the dissolved sodium chloride. This precipitation is removed, after which the remaining solution is recycled to the carbonation step.

697,592. **OBJECT HOLDING AND POSITIONING MEANS.** Ora L. Noftsinger, Warren, Ohio, assignor to The Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio. Filed Sept. 17, 1946. Published Apr. 3, 1951. Class 18—1. 1 sheet of drawings. 10 pages of specification.

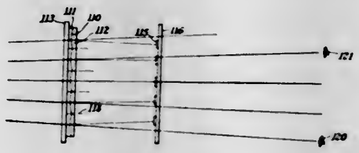
The apparatus consists of an element designed to position a metal plate in a mold, said element having a cross sectional shape approximating that of the desired mold. The element has at one end an electro-magnet **20** which is designed to hold a thin metallic plate **31** when activated. The element is also provided with a cavity adapted to hold a standard dry cell battery **21**. The other end of the element carries a hand switch **12**,

designed to contact the battery and activate the magnet.



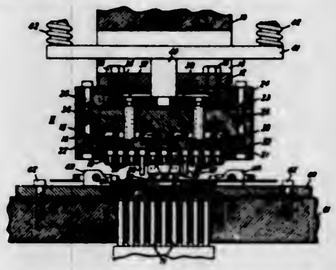
In use, the switch is held in closed position to activate the magnet. A plate to be inserted in the mold is positioned over the magnet. The element with the plate thereon is then inserted in the mold and the switch opened to deactivate the magnet and deposit the plate in the mold. This element is of particular use when it is desired to embed the plate in moldable material. In such instance, a layer of molding material 33 is first deposited in the mold and the element is then used to deposit the plate on the material. The element is removed from the mold and additional molding material 34 is then placed over the plate and the material and plate pressed together to form a molded article with the plate embedded therein.

708,373. **BINOCULAR SIGHTING DEVICES.** Raymond W. Wengel, Rochester, N. Y. Filed Nov. 7, 1946. Published Apr. 3, 1951. Class 88—1. 2 sheets of drawings. 9 pages of specification.



A modified form of multi-lens infinity sight is described which gives a stereo effect to the reticle. In any multi-lens sight a plurality of identical reticles are positioned substantially at the focal plane of a plurality of corresponding lenses, or concave reflectors so that the reticles all appear as a single reticle at infinity. In general the light from the reticles is combined with light from some target to be viewed for superimposing the reticle image on the target. In the present system the effective spacing of the collimator lenses is greater than the effective spacing of the reticles so that, although the reticle image is focused "at infinity," or at any other distance for that matter, the reticle, when viewed by both eyes, appears stereoscopically at a finite distance determined by the mutual divergence of the optic axes of the individual collimator systems.

32,140. **PUNCH AND DIE MECHANISM.** Philip D'Agostine, Havertown, Pa., assignor to General Electric Co., a corporation of New York. Filed June 10, 1948. Published Apr. 3, 1951. Class 164—90. 2 sheets of drawings. 8 pages of specification.



The disclosure relates to mounting, aligning and operating means for relatively simple and inexpensive forms of punches and dies in a punch press.

Ram 18 of the press is provided with a ram head 11 which has a relatively large recess 16 surrounding a central column 17. Punch mounting plate 19 is removably secured to the ram head by means of clamps 21, and is provided with a large number of uniformly distributed counterbored holes 20. Punch 27 is mounted on plate 19 by means of screws 28 extending through certain of the holes 20. Stripping pins 32 are placed in a plurality of holes 20 adjacent the edges of the punch. During retraction of the punch, the stripping pins are actuated by a ring member 33 disposed in recess 16, and connected through spacers 36, yoke 38 and block 40 to a stationary bar 41 supported by heavy backup springs 42.

Platen 61 of the press carries a die mounting plate 68 on which are secured a plurality of clamps 69 for holding the die 50. The die overlies a group of perforations in mounting plate 60. Ejector pins 70 are placed in certain of the perforations, where they engage ejector plungers 71 which are biased upwardly by rubber or fluid pressure cushioning means.

Die 50 is easily and quickly aligned with punch 27, by simply nesting the die over the punch with a suitable resilient spacing material such as bandage gauze interposed between punch and die to take up the clearance. If the die is too heavy to be supported in nested alignment on the punch by resilient action of the gauze alone, spacing and supporting blocks of highly magnetized material may be used to hold the die suspended from punch mounting plate 19. When the press ram is lowered, die 50 will be brought into its proper aligned position on die mounting plate 60. Thereupon, the clamps 69 are tightened to hold die 50 in its proper position, and when the ram is raised, the spacing material and magnetic blocks may readily be removed.

In operation, the material to be punched is fed across die 50 and the ram is brought down to force punch 27 into opening 50' of the die. When the punch is retracted, stripper pins 32 serve to strip the skeleton from the punch, while ejector pins 70 eject the punching from the die opening.

58,801. **ABRASIVE ELEMENTS.** Franz Kurath, Park Ridge, Ill., assignor to The Quaker Oats Company, a corporation of New Jersey. Filed Nov. 6, 1948. Published Apr. 3, 1951. Class 51—298. No drawing. 10 pages of specification.

This application relates to a process for preparing abrasive elements in which a wetting

agent consisting of a partially polymerized furfuryl alcohol dissolved in furfural is utilized in the mixing and compounding of the abrasive grains and the potentially reactive resin. The partial polymerization of furfuryl alcohol may be effected by heat alone or by heat in conjunction with a catalyst. The relative quantities of partially polymerized furfuryl alcohol and furfural may be varied widely to meet any desired need. In general, the quantity of furfural must be sufficient to give a solution of such a viscosity that it has the desired flowable properties. By way of example, three parts by weight of partially polymerized furfuryl alcohol may be dissolved in one to two parts by weight of furfural to give a solution suitable for most purposes.

The potentially reactive resin used in making the abrasive element may be a heat hardenable phenol-aldehyde resin such as a phenol-formaldehyde resin or a phenol-furfural resin or it may be an aromatic amine-aldehyde resin such as a resin formed by reacting aniline with formaldehyde or furfural or it may be a resin formed by reacting furfuryl alcohol with an aromatic primary amine such as aniline. Examples of potentially reactive resins which may be used in accordance with the present application are described in the Kistler patents, Nos. 2,272,873, –4, –5, –6, –7, –8.

Following the disclosed procedure it is possible to use a much higher proportion of abrasive grains to reactive resins in the preparation of the abrasive elements, consequently, the products so prepared have better and more uniform strength, hardness, cutting characteristics, and greater alkali resistance than products heretofore made in which furfural or furfuryl alcohol have been used as wetting agents. The proportions of a potentially reactive resin to the abrasive grains may vary from about 1 part by weight of resin to 3 to 15 and even more parts by weight of the abrasive grains.

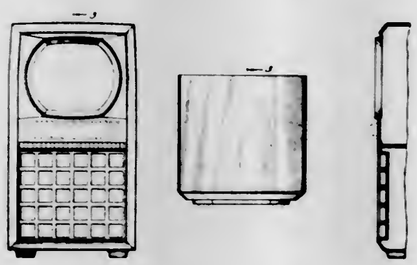
To illustrate the process 350 parts of abrasive granules was mixed with 10 parts of asbestos floats and then a 3:1 blend of partially polymerized furfuryl alcohol-furfural solution was slowly mixed into the mass until the dry materials were uniformly wetted. After mixing into the mass 50 parts of a fusible phenol formaldehyde resin made potentially heat reactive with hexamethylenetetramine the resulting mixture was cold molded in the form of a wheel and then cured.

The mixture of ingredients of the present process to be molded may have a pH on either the acid side or the alkaline side. It is preferred that the mixture to be molded have a pH on the alkaline side since the partially polymerized furfuryl alcohol will remain in a relatively soft state during the curing operation and serve as a plasticizer for the cured resin in the final product.

DESIGNS

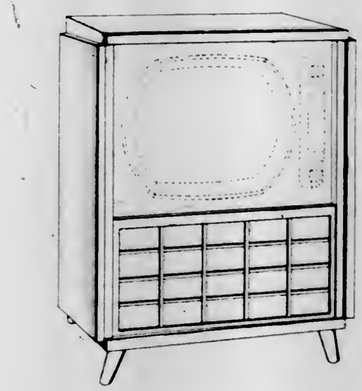
APRIL 3, 1951

162,703
TELEVISION CABINET
Samuel E. Adler, Chicago, Ill.
Application December 6, 1949, Serial No. 6,431
Term of patent 14 years
Cl. D56—4)

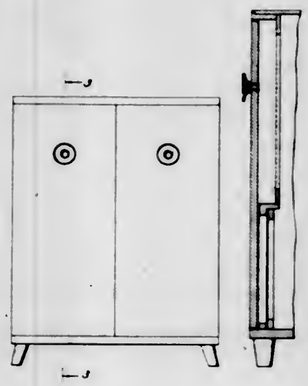


The ornamental design for a television cabinet, as shown and described.

162,704
TELEVISION CABINET
Samuel E. Adler, Chicago, Ill.
Application January 24, 1950, Serial No. 7,445
Term of patent 14 years
Cl. D56—4)

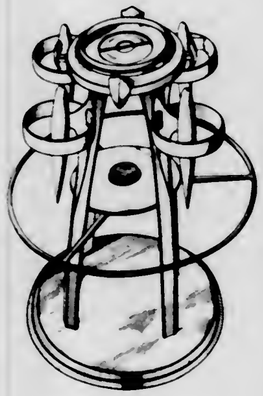


162,704—Continued



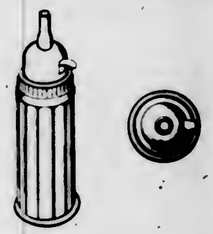
The ornamental design for a television cabinet, as shown and described.

162,705
SMOKING STAND
Elton L. Andrews and James A. Waller, Bradenton, Fla.
Application August 4, 1950, Serial No. 11,592
Term of patent 7 years
(Cl. D85—2)



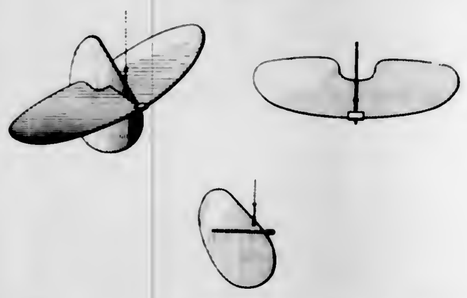
The ornamental design for a smoking stand, as shown.

162,706
CONDIMENT DISPENSING CONTAINER
Jack Baron, New York, N. Y.
Application March 29, 1950, Serial No. 8,849
Term of patent 14 years
(Cl. D44—22)



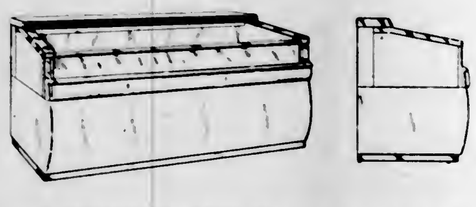
The ornamental design for a condiment dispensing container, as shown.

162,707
FLYING TOY
Haskell Benson, Chicago, Ill.
Application November 18, 1949, Serial No. 6,128
Term of patent 7 years
(Cl. D34—15)



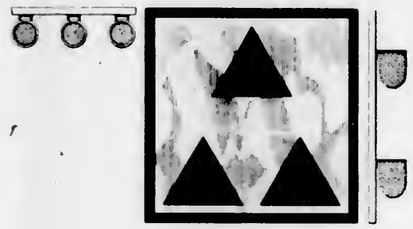
The ornamental design for a flying toy, as shown and described.

162,708
OPEN-TOP REFRIGERATED SELF-SERVE CASE
George K. Bently, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application January 12, 1949, Serial No. 197
Term of patent 3½ years
(Cl. D80—9)



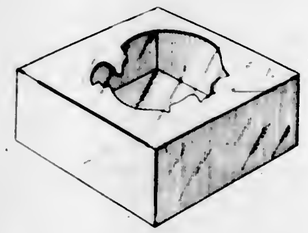
The ornamental design for an open-top refrigerated self serve case, substantially as shown and described.

162,709
GAME BOARD
Ruth M. Boyle, Glendale, Calif.
Application August 31, 1948, Serial No. 148,380
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, substantially as shown and described.

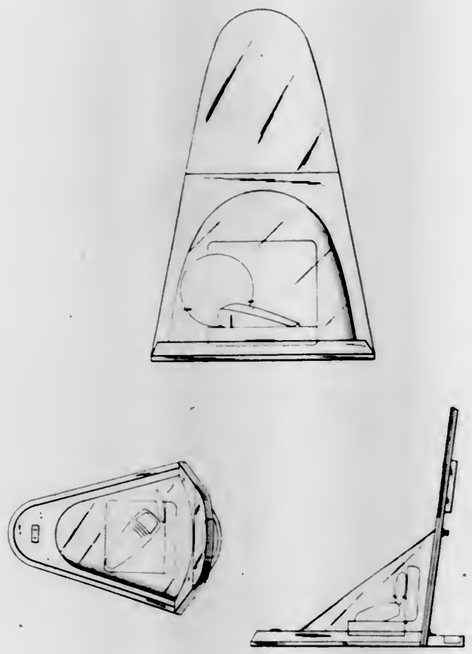
162,710
BOX
Bernard C. Brazeau, Wisconsin Rapids, Wis., assignor to Cranberry Growers, Inc., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application September 17, 1949, Serial No. 5,055
Term of patent 14 years
(Cl. D58—12.6)





The ornamental design for a box, as shown and described.

162,711
SINGLE ELECTRIC SHAVER IN BOX DISPLAY CASE
Harry L. Carpenter, Kalamazoo, Mich., assignor to Lawrence A. Westerberg, Skokie, Ill.
Application March 23, 1950, Serial No. 8,725
Term of patent 3½ years
(Cl. D80—11)



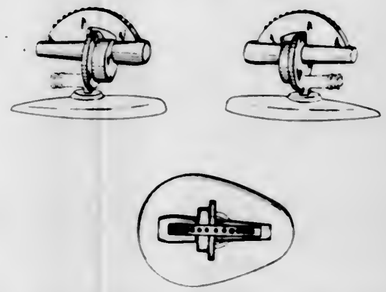
The ornamental design for a single electric shaver in box display case, as shown.

162,712
SPRINKLER
John S. Colombini, Detroit, Mich., assignor to Stamping Products & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application June 6, 1950, Serial No. 10,377
Term of patent 7 years
(Cl. D91—1)



The ornamental design for a sprinkler, substantially as shown and described.

162,713
SPRINKLER
John S. Colombini, Detroit, Mich., assignor to Stamping Products & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application June 6, 1950, Serial No. 10,378
Term of patent 7 years
(Cl. D91—1)



The ornamental design for a sprinkler, substantially as shown and described.

162,714
BOUDOIR CAP
Arlene Carol Dahl, Beverly Hills, Calif.
Application December 30, 1949, Serial No. 6,921
Term of patent 14 years
(Cl. D3—13)

The ornamental design for a boudoir cap, as shown and described.

162,715
DRESS-APRON ENSEMBLE
Carley Dawson, Washington, D. C.
Application May 3, 1950, Serial No. 9,681
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress-apron ensemble, as shown.

162,716
STOCKING
Dorothy V. Dickson, Pennside, Pa., assignor to Millway Knitting Mill, Inc., Millway, Pa., a corporation of Pennsylvania
Application January 11, 1951, Serial No. 13,754
Term of patent 14 years
(Cl. D47—7)



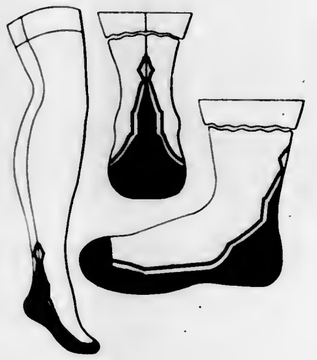
The ornamental design for a stocking, as shown.

162,717
STOCKING
Dorothy V. Dickson, Pennside, Pa., assignor to Millway Knitting Mill, Inc., Millway, Pa., a corporation of Pennsylvania
Application January 11, 1951, Serial No. 13,755
Term of patent 14 years
(Cl. D47—7)



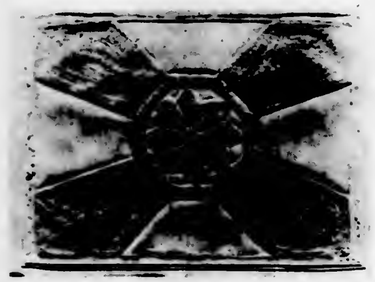
The ornamental design for a stocking, as shown.

162,718
STOCKING
Emil F. P. Dost, Blackwood, N. J., assignor to Janedale Hosiery Mills, Inc., Philadelphia, Pa., a corporation of New Jersey
Application July 19, 1950, Serial No. 11,266
Term of patent 14 years
(Cl. D47—7)



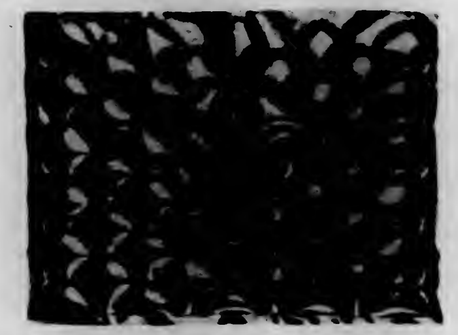
The ornamental design for a stocking, substantially as shown and described.

162,719
EMBOSSED PLASTIC SHEET OR SIMILAR ARTICLE
William M. Feder, New York, N. Y.
Application July 12, 1950, Serial No. 11,086
Term of patent 7 years
(Cl. D87—3)



The ornamental design for an embossed plastic sheet or similar article, as shown.

162,720
EMBOSSED PLASTIC SHEET OR SIMILAR ARTICLE
William M. Feder, New York, N. Y.
Application July 12, 1950, Serial No. 11,087
Term of patent 7 years
(Cl. D87—3)



The ornamental design for an embossed plastic sheet or similar article, as shown.

162,721
PERFUME BOTTLE
Frank Ferraro, Baltimore, Md.
Application March 24, 1950, Serial No. 8,735
Term of patent 14 years
(Cl. D58—8)



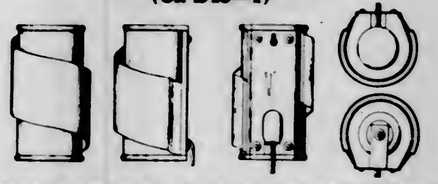
The ornamental design for a perfume bottle, as shown.

162,722
STOCKING
Warren Goff, Philadelphia, Pa.
Application May 23, 1950, Serial No. 10,114
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,723
WALL-MOUNTED LAMP
William Lloyd Gregg, Fredericktown, Ohio, assignor to The Gregg Manufacturing Company
Application May 1, 1950, Serial No. 9,615
Term of patent 14 years
(Cl. D48—4)



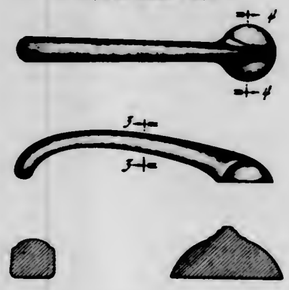
The ornamental design for a wall-mounted lamp, substantially as shown.

162,724
AUTOMOTIVE VEHICLE INSIDE DOOR HANDLE
Glenford M. Haviland, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 12, 1949, Serial No. 5,451
Term of patent 7 years
(Cl. D10—8)



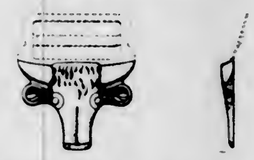
The ornamental design for an automotive vehicle inside door handle, substantially as shown.

162,725
AUTOMOTIVE VEHICLE INSIDE DOOR HANDLE
Glenford M. Haviland, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1949, Serial No. 5,752
Term of patent 7 years
(Cl. D10—8)



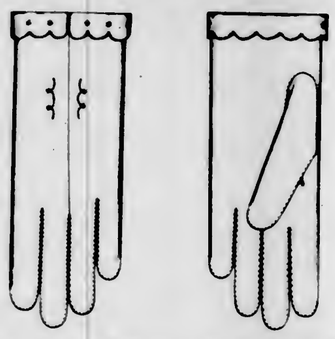
The ornamental design for an automotive vehicle inside door handle, substantially as shown.

162,726
SUSPENDER SLIDE OR THE LIKE
Edward M. Hawie, Stratford, Conn., assignor to The Hawie Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application March 16, 1950, Serial No. 8,558
Term of patent 7 years
(Cl. D17—15)



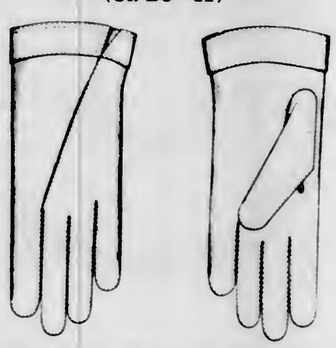
The ornamental design for a suspender slide or the like, substantially as shown and described.

162,727
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application November 30, 1950, Serial No. 13,206
Term of patent 3½ years
(Cl. D3—11)



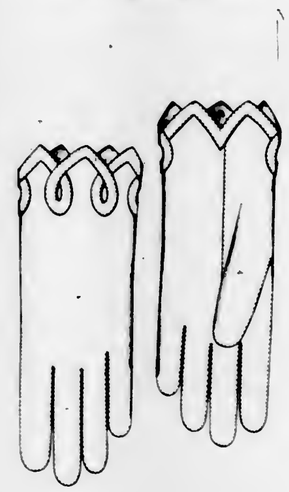
The ornamental design for a glove, substantially as shown.

162,728
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 2, 1950, Serial No. 13,253
Term of patent 3½ years
(Cl. D3—11)



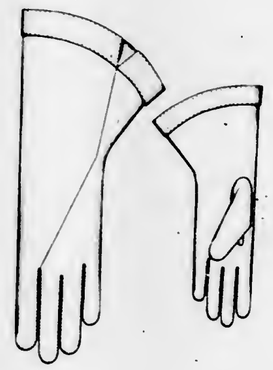
The ornamental design for a glove, substantially as shown.

162,729
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 7, 1950, Serial No. 13,321
Term of patent 3½ years
(Cl. D3—11)



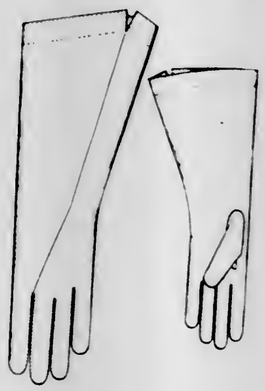
The ornamental design for a glove, substantially as shown.

162,730
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 9, 1950, Serial No. 13,354
Term of patent 3½ years
(Cl. D3—11)



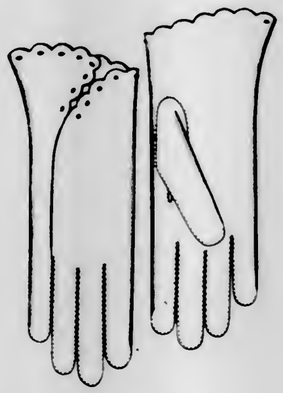
The ornamental design for a glove, substantially as shown.

162,731
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 9, 1950, Serial No. 13,355
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown.

162,732
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 9, 1950, Serial No. 13,356
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown.

162,733
KNOB
Richard E. Hitchcock, Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio, a corporation of Ohio
Application October 6, 1949, Serial No. 5,329
Term of patent 3½ years
(Cl. D26—1)



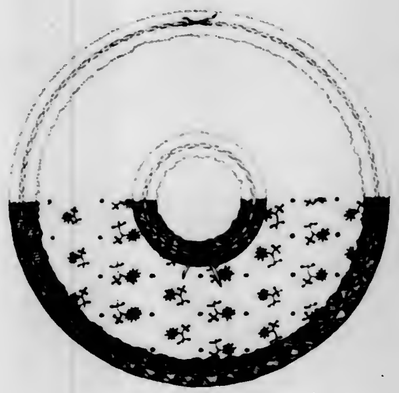
The ornamental design for a knob, substantially as shown.

162,734
KNOB
Richard E. Hitchcock, Birmingham, Mich., assignor to Kurz-Kasch, Inc., Dayton, Ohio, a corporation of Ohio
Application October 6, 1949, Serial No. 5,330
Term of patent 3½ years
(Cl. D26—1)



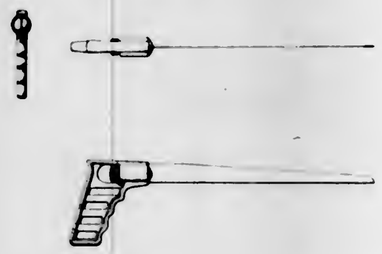
The ornamental design for a knob, substantially as shown.

162,735
REMOVABLE LAMP SHADE COVER
Margot Hunziker, New York, N. Y.
Application November 29, 1950, Serial No. 13,180
Term of patent 3½ years
(Cl. D48—16)



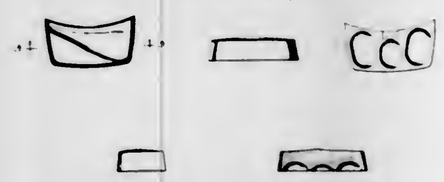
The ornamental design for a removable lamp shade cover, substantially as shown and described.

162,736
KEYHOLE SAW
Robert W. Huxtable, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application January 19, 1950, Serial No. 7,318
Term of patent 14 years
(Cl. D54—13)



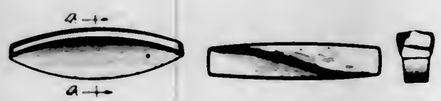
The ornamental design for a keyhole saw as shown.

162,737
SIDE HANDLE FOR COOKING UTENSILS AND THE LIKE
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1949, Serial No. 235
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a side handle for cooking utensils and the like, as shown.

162,738
KNOB FOR COOKING UTENSILS AND THE LIKE
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1949, Serial No. 236
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a knob for cooking utensils and the like, as shown.

162,739
TOWEL HOLDER
Edgar Lambert, Detroit, Mich.
Application July 14, 1950, Serial No. 11,169
Term of patent 14 years
(Cl. D32—16)



The ornamental design for a towel holder as shown.

162,740
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y.
Application April 18, 1950, Serial No. 9,285
Term of patent 14 years
(Cl. D44—15)



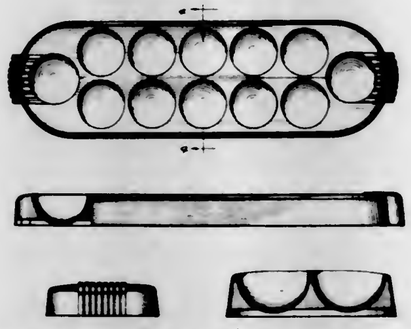
The ornamental design for a dinner plate or similar article, as shown and described.

162,741
FISHING SPINNER
Marion L. Lawhon, Bakersfield, Calif.
Application October 27, 1950, Serial No. 12,755
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing spinner, as shown.

162,742
GAME BOARD
Moises B. Lorenzana and Francisco B. Lemi, Chicago, Ill.
Application November 9, 1949, Serial No. 5,946
Term of patent 14 years
(Cl. D34—5)



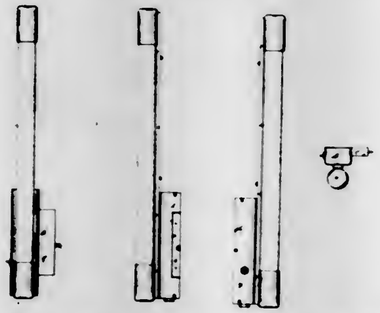
The ornamental design for a game board, as shown and described.

162,743
VALVE FOR PRESSURE COOKERS
Walter C. Lueneburg, Evanston, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1949, Serial No. 122
Term of patent 7 years
(Cl. D44—1)



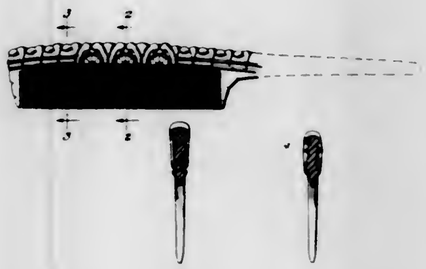
The ornamental design for a valve for pressure cookers, as shown.

162,744
LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application June 5, 1950, Serial No. 10,345
Term of patent 14 years
(Cl. D48—4)



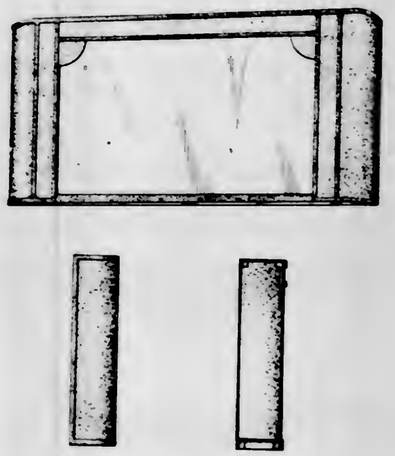
The ornamental design for a lighting fixture, substantially as shown.

162,745
COMB
Peter Morroni, Leominster, Mass.
Application November 7, 1949, Serial No. 5,907
Term of patent 3½ years
(Cl. D86—8)



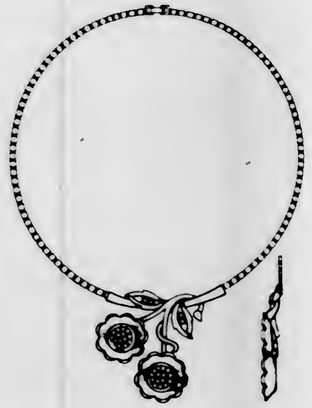
The ornamental design for a comb, as shown and described.

162,746
WALL DISPLAY PANEL
Paul P. Oakler and Bernard L. Schmitzer, Pittsburgh, Pa.
Application May 10, 1950, Serial No. 9,854
Term of patent 3½ years
(Cl. D80—1)



The ornamental design for a wall display panel as shown.

162,747
NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 10, 1951, Serial No. 13,725
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

162,748
BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 10, 1951, Serial No. 13,727
Term of patent 7 years
(Cl. D45—4)



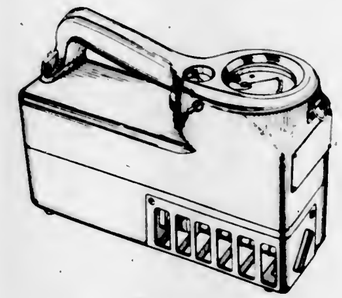
The ornamental design for a bracelet or similar article, substantially as shown.

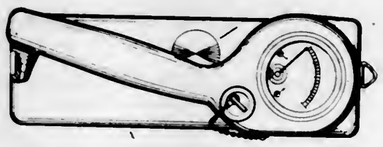
162,749
COMB
Frank Polimeni, Steubenville, Ohio
Application September 22, 1948, Serial No. 148,715
Term of patent 7 years
(Cl. D86—8)

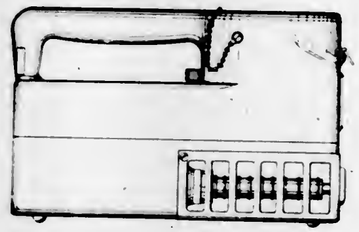


The ornamental design for a comb as shown.

162,750
RADIATION METER
William R. Polye, River Edge, and George V. Zito, South Hackensack, N. J., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application January 31, 1950, Serial No. 7,611
Term of patent 14 years
(Cl. D52—1)



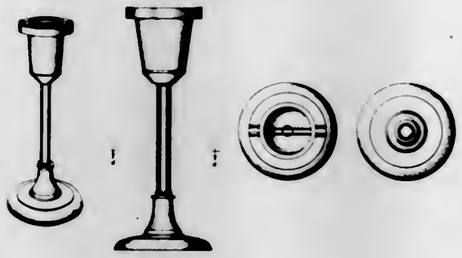






The ornamental design for a radiation meter, as shown.

162,751
SMOKING STAND
Elon G. Pratt, New York, N. Y., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application June 13, 1950, Serial No. 10,478
Term of patent 14 years
(Cl. D85—2)



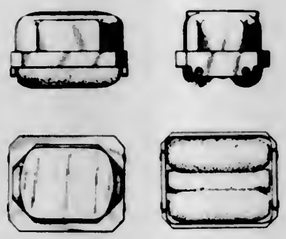
The ornamental design for a smoking stand, substantially as shown.

162,752
STREET LIGHTING UNIT
Charles H. Rex, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application June 14, 1949, Serial No. 3,278
Term of patent 14 years
(Cl. D48—31)



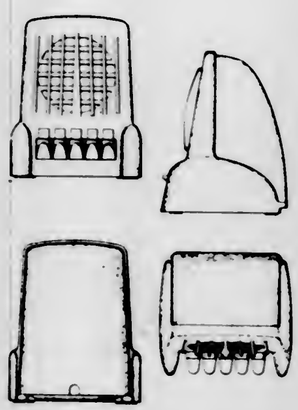
The ornamental design for a street lighting unit, as shown and described.

162,753
COMBINED SOAP HOLDER AND BRUSH
Robert C. Runyon, Springfield, N. J.
Application November 22, 1949, Serial No. 6,190
Term of patent 3½ years
(Cl. D9—2)



The ornamental design for a combined soap holder and brush, as shown.

162,754
INTERCOMMUNICATION STATION
Allan H. Schwing, West Henrietta, N. Y.
Application December 7, 1950, Serial No. 13,299
Term of patent 3½ years
(Cl. D26—14)



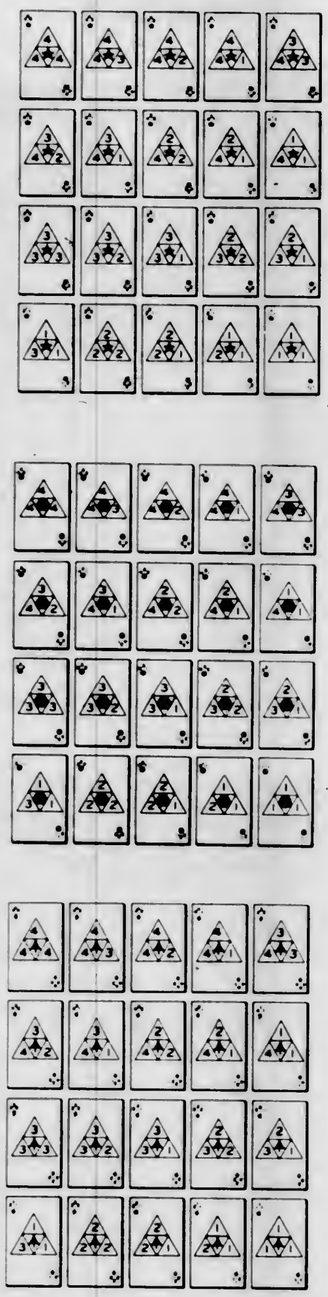
The ornamental design for an intercommunication station, substantially as shown.

162,755
WALLPAPER OR THE LIKE
James Seeman, Forest Hills, N. Y.
Application April 15, 1950, Serial No. 9,236
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a wallpaper or the like, substantially as shown and described.

162,756
DECK OF PLAYING CARDS
William L. Shriner, Oklahoma City, Okla.
Application September 6, 1949, Serial No. 4,858
Term of patent 14 years
(Cl. D34—13)



The ornamental design for a deck of playing cards, as shown and described.

162,757
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application January 19, 1951, Serial No. 13,871
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,758
PUPPET
Robert E. Smith, New Rochelle, N. Y., and Milton Neil, Mountainview, N. J.; said Neil assignor to said Smith
Application September 29, 1949, Serial No. 5,224
Term of patent 14 years
(Cl. D34—4)



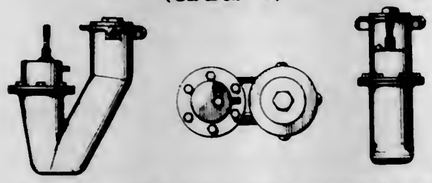
The ornamental design for a puppet, as shown.

162,759
LADY'S STOCKING
Owen Sterner, Shillington, Pa.
Application January 17, 1951, Serial No. 13,834
Term of patent 14 years
(Cl. D47—7)



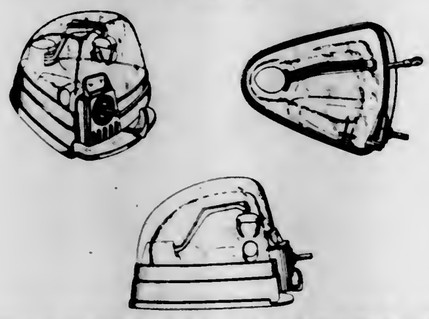
The ornamental design for a lady's stocking, as shown.

162,760
SPRAYING POWDER RESERVOIR
Frank Sullivan, Astoria, N. Y.
Application July 23, 1948, Serial No. 147,723
Term of patent 3½ years
(Cl. D62—2)



The ornamental design for a spraying powder reservoir, as shown.

162,761
DISPENSING MACHINE FOR GUM BALLS OR OTHER OBJECTS
Sidney A. Tarrson, Chicago, Ill., assignor to The Tarrson Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1950, Serial No. 11,507
Term of patent 14 years
(Cl. D52—3)



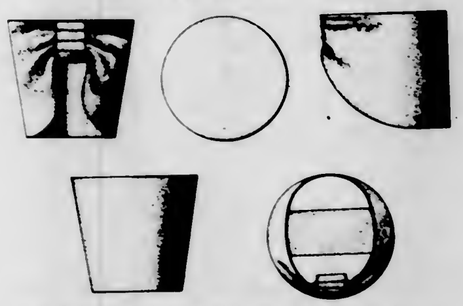
The ornamental design for a dispensing machine for gum balls or other objects, substantially as shown.

162,762
HANDLE FOR COOKING UTENSILS
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1949, Serial No. 124
Term of patent 7 years
(Cl. D44—29)



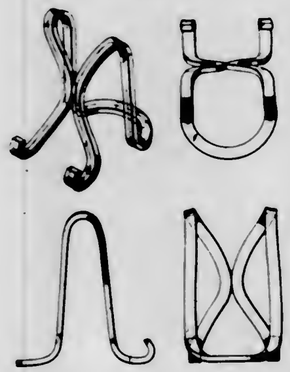
The ornamental design for a handle for cooking utensils, as shown.

162,763
HAT
Elaine Weissberger, Brooklyn, N. Y.
Application January 20, 1950, Serial No. 7,365
Term of patent 3½ years
(Cl. D2—13)



The ornamental design for a hat, as shown.

162,764
MERCHANDISE DISPLAY STAND OR SIMILAR ARTICLE
Fritz Westernacher, New York, N. Y.
Application November 29, 1950, Serial No. 13,175
Term of patent 14 years
(Cl. D60—9)



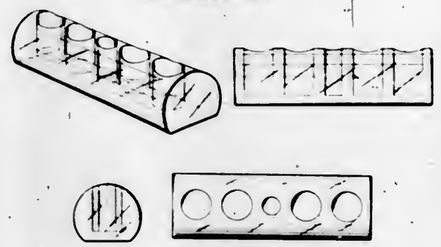
The ornamental design for a merchandise display stand or similar article, substantially as shown.

162,765
VACUUM COFFEE MAKER
Harry Wohl, Chicago, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1950, Serial No. 8,554
Term of patent 7 years
(Cl. D44—26)



The ornamental design for a vacuum coffee maker, substantially as shown.

162,766
HOLDER FOR LIPSTICKS OR THE LIKE
Victor C. Wray, Los Angeles, Calif., assignor to Ranilom, Inc., Los Angeles, Calif., a corporation of California
Application May 1, 1950, Serial No. 9,616
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a holder for lipsticks or the like, as shown.

April 10, 1951 Volume 645 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acra Company, The, Baltimore, Md. Philatelic accessories. Serial No. 543,255, Apr. 10. Class 26.

Afro-American Company of Baltimore City, The, Baltimore, Md. Newspapers. Serial No. 598,774, Apr. 10. Class 38.

Aiello Dairy Farms Co., Brooklyn and Heuvelton, N. Y. Cheese. Serial No. 592,451, Apr. 10. Class 46.

Alderson Candy Shop: *See*—
Alderson, Rolla.

Alderson, Rolla, doing business as Alderson Candy Shop, Denver, Colo. Candy bars. Serial No. 600,407, Apr. 10. Class 46.

Allied Chemical & Dye Corporation, New York, N. Y. Insecticides. Serial No. 600,013, Apr. 10. Class 6.

Allied Litho Supply Co.: *See*—
Ebersole, Benjamin S.

Alpha Cellulose Corporation, Van Wert, Ohio. Cotton pulp. Serial No. 590,002, Apr. 10. Class 1.

American Chemical Paint Company, Ambler, Pa. Rust inhibitors. Serial Nos. 596,699–700, Apr. 10. Class 6.

American Electric Cable Co., Holyoke, Mass. Electric automotive, radio, and appliance wires. Serial No. 596,969, Apr. 10. Class 21.

American Iron and Machine Works Company, Oklahoma City, Okla. Rotary drill pipe tool joints. Serial No. 599,071, Apr. 10. Class 23.

American Luggage Works Inc., Providence, R. I. Train cases, cosmetic cases, round hat cases, etc. Serial No. 590,574, Apr. 10. Class 3.

American Oak Leather Co., The, Cincinnati, Ohio, assignor to Howes Leather Company, Inc., Boston, Mass. Leather. Serial No. 527,998, Apr. 10. Class 1.

American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. Serial No. 564,364, Apr. 10. Class 26.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Bathtubs, drinking fountains, and combination lavatory fittings. Serial Nos. 601,089–90, Apr. 10. Class 13.

American Reenforced Paper Company, Attleboro, Mass. Construction materials. Serial No. 563,987, Apr. 10. Class 12.

American Rolling Mills Company, The: *See*—
Armco Steel Corporation.

American Time Corporation, Springfield, Mass. Reset timers. Serial No. 570,998, Apr. 10. Class 26.

American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. Serial No. 571,944, Apr. 10. Class 17.

Ames, Elizabeth, Incorporated, New York, N. Y. Perfume atomizers. Serial No. 557,716, Apr. 10. Class 44.

Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company. Specially prepared ferrous metal products. Serial No. 527,737, Apr. 10. Class 12.

Armour and Company, Chicago, Ill. Adrenocorticotropic composition. Serial No. 599,547, Apr. 10. Class 18.

Armour and Company, Chicago, Ill. Fatty acid amine derivatives. Serial No. 600,113, Apr. 10. Class 6.

Artistic Beauty Products Co., Los Angeles, Calif. Fixing solution for hair waving. Serial No. 589,241, Apr. 10. Class 51.

Atlas Supply Company, Newark, N. J. Pedal pads and clutch and brake pedals. Serial No. 560,374, Apr. 10. Class 19.

Avco Manufacturing Corporation, Cincinnati, Ohio. Drawers for cabinets. Serial No. 596,895, Apr. 10. Class 32.

Baker Flash-O-Trac Co., Inc., Plainview, Tex. Fuel supply tanks and fuel supply systems, etc. Serial No. 597,576, Apr. 10. Class 23.

Bastian Morley Co. Inc., La Porte, Ind. Magnesium rods. Serial No. 554,585, Apr. 10. Class 21.

Batchelor, Freda, Hamtramck, Mich. Hairdressing preparations. Serial No. 601,531, Apr. 10. Class 51.

Baxter Laboratories, Inc., Morton Grove, Ill. Non-protein bacterial pyrogen. Serial No. 597,810, Apr. 10. Class 18.

Bean, Guy M., Los Angeles, Calif. Open racks for holding stacked decks of playing cards. Serial No. 587,100, Apr. 10. Class 22.

Belding Corticelli: *See*—
Belding Heminway Company, Inc.

Belding Heminway Company, Inc., doing business under the name of Belding Corticelli, New York, N. Y. Thread. Serial No. 594,354, Apr. 10. Class 43.

Bell, James A., Jr., Atlanta, Ga. Prepared advertising. Serial No. 592,185, Apr. 10. Class 38.

Belvidere Creations, Inc., Seattle, Wash. Cosmetics. Serial No. 592,750, Apr. 10. Class 51.

Bersworth Chemical Company, Framingham, Mass. Compound of di sodium salt of ethylene diamine tetra acetic acid and compounds. Serial No. 596,708, Apr. 10. Class 6.

Billy's Butter Bretzels: *See*—
Edmondson, William R.

Bio-Ramo Drug Co., Inc., The, Baltimore, Md. Injection epinephrine hydrochloride. Serial No. 600,412, Apr. 10. Class 18.

Bird-Archer Company, The, New York, N. Y. Chemical compound used as an additive to fuel oil. Serial No. 600,321, Apr. 10. Class 15.

Bishop, Howard R., doing business as Kotal Company, Summit, N. J. Chemical compositions used in the construction of bituminous pavement. Serial No. 573,610, Apr. 10. Class 12.

Blake & Johnson Company, The, Waterbury and Waterville, Conn. Wood screws and sheet metal screws. Serial No. 573,612, Apr. 10. Class 13.

Bonafide Laboratory, New York, N. Y. Dental cleanser. Serial No. 597,248, Apr. 10. Class 51.

Boston Gear Works: *See*—
Murray Company of Texas, Inc., The.

Botany Mills, Inc., Passaic, N. J. Wool protein for use in ice cream. Serial No. 586,585, Apr. 10. Class 46.

Bowflux Company, Warren, Ohio. Flux for use in manufacture of steel. Serial No. 594,756, Apr. 10. Class 6.

Bracey, B. O., Los Angeles, assignor to B. O. Bracey & Company, Santa Ana, Calif. Orchids. Serial No. 583,791, Apr. 10. Class 1.

Bracey, B. O., & Company, assignee: *See*—
Bracey, B. O.

Bristol Laboratories Inc., Syracuse, N. Y. Medicinal dust inhaler. Serial No. 573,613, Apr. 10. Class 18.

Bristol-Myers Company, New York, N. Y. Non-alcoholic hair dressing preparation. Serial No. 573,114, Apr. 10. Class 51.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. Serial No. 574,190, Apr. 10. Class 22.

Budde, R. H., Plumbing Co.: *See*—
Budde, Richard H.

Budde, Richard H., trading as R. H. Budde Plumbing Co., Omaha, Nebr. Repair connectors. Serial No. 596,897, Apr. 10. Class 13.

Buffington's, Incorporated, Worcester, Mass. Tablet for the treatment of high blood pressure, etc. Serial No. 599,611, Apr. 10. Class 18.

Bullard, E. D., Company, San Francisco, Calif. First aid kits. Serial No. 567,945, Apr. 10. Class 44.

Bulldog Electric Products Co., Detroit, Mich. Splicers, connectors, couplings, and clamps, etc. Serial No. 549,226, Apr. 10. Class 21.

Burnitol Manufacturing Co., Boston, Mass. Sputum cups; sputum cup holders, etc. Serial No. 562,026, Apr. 10. Class 44.

Bu-Tay Products, Ltd., Los Angeles, Calif. Water softener. Serial No. 594,517, Apr. 10. Class 6.

Cabot, Godfrey L., Inc., Boston, Mass. Plasticizer. Serial No. 600,029, Apr. 10. Class 6.

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Gin. Serial No. 602,362, Apr. 10. Class 49.

Carrier Corporation, Syracuse, N. Y. Column of a periodical or house organ. Serial No. 588,272, Apr. 10. Class 38.

Carrier Corporation, Syracuse, N. Y. Gas, oil, or coal hot air furnaces, etc. Serial No. 589,427, Apr. 10. Class 34.

Carter Coil Company, assignee: *See*—
McCullough, Henry C.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving, and photomechanical supplies. Serial No. 575,841, Apr. 10. Class 21.

Chemical Corporation, The, Springfield, Mass. Chemical preparations. Serial No. 594,420, Apr. 10. Class 6.

Chicago Roller Skate Company, Chicago, Ill. Roller skates. Serial No. 572,163, Apr. 10. Class 22.

Citles Service Oil Company, Bartlesville, Okla. Tires; tubes; accessories, etc. Serial No. 571,408, Apr. 10. Class 35.

City Milk Company, Inc., Maspeth, N. Y. Fluid milk. Serial No. 596,835, Apr. 10. Class 46.

Cloud, B. H., doing business as Rainbow Ointment Company, Rocky Comfort, Mo. Ointment. Serial No. 566,833, Apr. 10. Class 18.

Continental Optical Company, Inc., Indianapolis, Ind. Spectacle frames and mountings. Serial No. 585,156, Apr. 10. Class 26.

Covington, R. A., and Son, Wichita Falls, Tex. Food sauce. Serial No. 564,504, Apr. 10. Class 46.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. Serial No. 596,561, Apr. 10. Class 12.

Crescent Manufacturing Company, Fremont, Ohio. Surgical blades, handles or holders for surgical blades, etc. Serial No. 597,196, Apr. 10. Class 44.
Crosse & Blackwell Company, The, Baltimore, Md. Alcoholic beverages. Serial No. 600,947, Apr. 10. Class 49.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, suits, etc. Serial No. 590,583, Apr. 10. Class 39.
Cutter Laboratories, Berkeley, Calif. Glass bottles for shipping and dispensing parenteral solutions. Serial No. 582,389, Apr. 10. Class 44.
Cyc-Arc Limited, London, England. Studs, bolts, screws, etc. Serial No. 544,552, Apr. 10. Class 13.
Diwa Manufacturing Company, Gentofte, Denmark. Drawing instruments and drawing articles. Serial No. 599,315, Apr. 10. Class 26.
Dixie Wax Paper Company, Dallas, Tex., and Memphis, Tenn. Sheets of wrapping paper. Serial No. 536,507, Apr. 10. Class 37.
Dornol Products, Inc., New York, N. Y. Medicinal skin formula, medicated talcum powder, etc. Serial No. 584,390, Apr. 10. Class 18.
Douglas (Kingswood) Limited, Kingswood, Bristol, England. Motor cycles. Serial No. 557,266, Apr. 10. Class 19.
Downingtown Manufacturing Company, Downingtown, Pa. Vats equipped with baffles. Serial No. 568,781, Apr. 10. Class 23.
Duncan Gilmour & Co., Ltd., New York, N. Y. Wines. Serial No. 555,928, Apr. 10. Class 47.
Earl & Arlington, San Francisco, Calif. Infants' bibs and underwear. Serial No. 589,892, Apr. 10. Class 39.
Ebersole, Benjamin S., doing business as Allied Litho Supply Co., San Francisco, Calif. Light box or cabinet for exposing printing plates. Serial No. 597,877, Apr. 10. Class 26.
Economics Laboratory Inc., St. Paul, Minn. Glasswashing compound. Serial No. 583,643, Apr. 10. Class 52.
Edmondson, William R., doing business as Billy's Butter Bretzels, Reading, Pa. Pretzels. Serial No. 578,682, Apr. 10. Class 46.
Edwal Laboratories, Inc., The, Chicago, Ill. Mildly acid solution. Serial No. 527,830, Apr. 10. Class 6.
Egyptian Sales Co., Boston, Mass. Lamp shades for electric lamps. Serial No. 560,687, Apr. 10. Class 21.
Electric Insulation Co. : *See*—
Electric Insulation Company.
Electric Insulation Company, also known as Electric Insulation Co., Philadelphia, Pa. Varnished and unvarnished cambric tape and sheets for electrical insulation. Serial No. 588,429, Apr. 10. Class 21.
Electric Storage Battery Company, The, Philadelphia, Pa. Microporous storage battery separators and retainers. Serial No. 593,588, Apr. 10. Class 21.
Electro-Physical Laboratories, Inc., Rye, N. Y. Electrocardiographs. Serial No. 593,268, Apr. 10. Class 44.
Ellicott Machine Corporation, Baltimore, Md. Hydraulic dredges and parts thereof. Serial No. 603,520, Apr. 10. Class 23.
Embro Popcorn Company : *See*—
Mangelsdorf, Ed. F., & Bro., Inc.
Emery Industries, Inc., Cincinnati, Ohio. Dry cleaning services. Serial No. 598,247, Apr. 10. Class 103.
Empire Brush Works, Inc., Port Chester, N. Y. Vanity trays. Serial No. 590,657, Apr. 10. Class 40.
Empire Parlor Furniture Co., Chelsea, Mass. Household furniture. Serial No. 595,370, Apr. 10. Class 32.
Endres, Frank X., New York, N. Y. Paper seat covers. Serial No. 599,061, Apr. 10. Class 37.
Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. Serial No. 595,885, Apr. 10. Class 32.
Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. Serial No. 597,599, Apr. 10. Class 32.
Erdman, C. E., Tire and Rubber Company : *See*—
Erdman, Clarence E.
Erdman, Clarence E., doing business as C. E. Erdman Tire and Rubber Company, Baltimore, Md. Automobile tires. Serial No. 561,912, Apr. 10. Class 35.
Esbeco Distilling Corporation, Stamford, Conn. Whiskey. Serial No. 572,732, Apr. 10. Class 49.
Fairbairn, Thomas E., doing business as Video Associates, Toledo, Ohio. Antennae and parts thereof. Serial No. 599,426, Apr. 10. Class 21.
Feature Items, Inc., New York, N. Y. Garment hanging racks. Serial No. 597,601, Apr. 10. Class 32.
Federal Electric Products Company, Newark, N. J. Electric switches, meter troughs, etc. Serial No. 599,701, Apr. 10. Class 21.
Fibre & Metal Products, Inc., Downey, Calif. Molded, woven, woven-molded brake and clutch lining. Serial No. 589,964, Apr. 10. Class 35.
Finn & Company : *See*—
Finn, Thomas R.
Finn, Thomas R., doing business under the trade name and style of Finn & Company, New York, N. Y. Rubber pipe. Serial No. 596,158, Apr. 10. Class 35.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic compositions, etc. Serial No. 594,030, Apr. 10. Class 6.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic chemical compositions, etc. Serial Nos. 594,033–7, Apr. 10. Class 6.
Firmenich, Incorporated, assignee : *See*—
Firmenich & Co.
505 Products Co. : *See*—
Rose, Clifford E.
Flexible Connector Co. of America : *See*—
Longfellow, Earl.
Flexible Tubing Corporation, The, Branford, Conn. Flexible tubing. Serial No. 597,392, Apr. 10. Class 35.
Flight Equipment and Engineering Corp., Miami, Fla. Aircraft seats and leg rests and parts therefor. Serial No. 598,720, Apr. 10. Class 19.
Flint & Walling Mfg. Co. Inc., Kendallville, Ind. Power driven pumps and parts thereof. Serial No. 578,924, Apr. 10. Class 23.
Floridol Co., The : *See*—
Mitchell, Samuel.
Foister, Arthur, & Sons Limited, Leicester, England. Children's three-quarter hose, infants' and children's socks, etc. Serial No. 567,511, Apr. 10. Class 39.
Folding Products Manufacturing Corporation, New York, N. Y. Folding tables. Serial No. 599,560, Apr. 10. Class 32.
Francks, J. S., Fort Worth, Tex. Cooking and barbecue machines. Serial No. 586,478, Apr. 10. Class 34.
Frazee & Russell Co., Glastonbury, Conn. Convertible nursery seats. Serial No. 564,445, Apr. 10. Class 13.
French, R. T., Company, The, Rochester, N. Y. Foods, substances used as foods, and ingredients of foods. Serial No. 524,452, Apr. 10. Class 46.
Freund, Walter, Bread Company, St. Louis, Mo. Bread, cakes and pies. Serial No. 547,439, Apr. 10. Class 46.
Fuller Company, Catasauqua, Pa. Air activated gravity conveyors. Serial No. 600,884, Apr. 10. Class 23.
Gallano, Rafael P., Madrid, Spain. Preparation for the treatment of headaches, neuralgias, etc. Serial No. 588,260, Apr. 10. Class 18.
Gamble-Skogmo, Inc., Minneapolis, Minn. Rowboats and motor scooters. Serial No. 582,038, Apr. 10. Class 19.
Gantner & Mattern Company, San Francisco, Calif. Printing, screening and drawing inks. Serial No. 575,701, Apr. 10. Class 11.
Gem-O-Graph Company, The, assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Cut diamonds. Serial No. 588,641, Apr. 10. Class 28.
Gem-O-Graph Corporation of American, Inc., The, assignee : *See*—
Gem-O-Graph Company, The.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Electric flatirons. Serial No. 599,237, Apr. 10. Class 21.
Gerrard, S. A., Company, The, Cincinnati, Ohio. Fresh deciduous fruits, fresh vegetables, grapes, etc. Serial No. 558,132, Apr. 10. Class 46.
Glemby Company, Inc., The, New York, N. Y. Permanent waving oil and hair curling lotions. Serial No. 591,480, Apr. 10. Class 51.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt and felt base insulating siding. Serial No. 572,096, Apr. 10. Class 12.
Golden Citrus Juices, Incorporated, Fullerton, Calif. Canned orange juice. Serial No. 598,950, Apr. 10. Class 46.
Grace Company, The, Belton, Mo. Infants' and children's dresses, pinafores, jumpers, etc. Serial No. 567,515, Apr. 10. Class 39.
Gray, Dunn & Company Limited, Kinning Park, Glasgow, Scotland. Biscuits. Serial No. 593,667, Apr. 10. Class 46.
Greenleaf Corporation, Wilkinsburg, Pittsburgh, Pa. Lubricating oils. Serial No. 598,178, Apr. 10. Class 15.
Hannay, Clifford B., & Son, Inc., Westerlo, N. Y. Reels in the nature of receptacles. Serial No. 598,585, Apr. 10. Class 2.
Harkness & Company, Wellsville, N. Y. Cleaning compound. Serial No. 588,952, Apr. 10. Class 52.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Roller skates. Serial No. 599,565, Apr. 10. Class 22.
Harrison Chemical : *See*—
Hughes, Edward G.
Hercules Powder Company, Wilmington, Del. Molding powder. Serial No. 596,280, Apr. 10. Class 1.
Hess-Taylor Company, Inc., New York, N. Y. Ladies' and misses' hosiery. Serial No. 587,951, Apr. 10. Class 39.
Hewitt-Robins Incorporated, Buffalo, N. Y. Mattresses, pillows, seat cushions, etc. Serial No. 568,734. Class 32.
Hollandia Toy & Furniture Co., Inc., Wilmington, Del., New York, N. Y. and Princess Anne, Md. Electric lamps. Serial No. 581,557, Apr. 10. Class 21.
Honan-Crane Corporation, Lebanon, Ind. Trade publication. Serial No. 520,560, Apr. 10. Class 38.
Hotel Bar Foods : *See*—
Lowenfels, Frederick F., & Son.
House-Proud Utilities, Inc., New York, N. Y. Toy bunnies. Serial No. 584,399, Apr. 10. Class 22.
Howes Leather Company, Inc., assignee : *See*—
American Oak Leather Co., The.
Hughes, Edward G., doing business as Harrison Chemical, Detroit, Mich. Cleaning compound. Serial No. 592,034, Apr. 10. Class 52.
Hull Manufacturing Company, Warren, Ohio. Magnetic compasses. Serial No. 598,302, Apr. 10. Class 26.

Hungerford Plastics Corporation, New Providence, N. J. Electrical table and wall lamps. Serial No. 588,090, Apr. 10. Class 21.
Ideal Industries, El Monte, Calif. Trailer coaches. Serial No. 577,671, Apr. 10. Class 19.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 600,489, Apr. 10. Class 22.
Injectables Research Corporation, Indianapolis, Ind. Analgesic and narcotic. Serial No. 599,243, Apr. 10. Class 18.
Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England. Anaesthetics. Serial No. 598,475, Apr. 10. Class 18.
Imperial Glass Corporation, Bellaire, Ohio. Glassware. Serial No. 552,785, Apr. 10. Class 33.
International Fire Equipment Corporation, Staten Island, N. Y. Fire extinguishing liquid. Serial No. 596,494, Apr. 10. Class 6.
International Molded Plastics, Inc., Cleveland, Ohio. Plastic dinner dish ware. Serial No. 598,477, Apr. 10. Class 2.
Iungerich, Frank L., St. Louis, Mo. Analgesic tablets. Serial No. 601,051, Apr. 10. Class 18.
J & M Appliance Company, Dallas, Tex. Evaporative cooler air conditioning unit. Serial No. 593,354, Apr. 10. Class 34.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial No. 600,267, Apr. 10. Class 28.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial No. 600,276, Apr. 10. Class 28.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial No. 600,278, Apr. 10. Class 28.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial Nos. 600,281–2, Apr. 10. Class 28.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. Serial Nos. 600,284–5, Apr. 10. Class 28.
Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Steel pipe. Serial No. 596,426, Apr. 10. Class 13.
Jones, Sallie C., doing business as Sarah Lee Kitchen, Richmond, Va. Cakes, pies, bread, etc. Serial No. 539,594, Apr. 10. Class 46.
Jordan, Albert E. : *See*—
Kingan & Co. Incorporated.
Jordan Electrical Manufacturing Company, Minneapolis, Minn. Regular, fast and trickle storage battery chargers, etc. Serial No. 566,234, Apr. 10. Class 21.
Juniors, Inc., Los Angeles, Calif. Infants' play garments. Serial No. 584,238, Apr. 10. Class 39.
Justrite Manufacturing Company, Chicago, Ill. Portable flashlight lanterns. Serial No. 585,533, Apr. 10. Class 21.
Kaylon Incorporated, New York, N. Y. Pajamas, pajama coats, beach coats, etc. Serial No. 597,962, Apr. 10. Class 39.
Kelleher, Thomas J., doing business under the name of Kelson Products, Chicago, Ill. Clothes racks. Serial No. 597,527, Apr. 10. Class 32.
Kelson Products : *See*—
Kelleher, Thomas J.
Kennedy, David E., Inc., Brooklyn, N. Y. Kit containing tools, supplies and instructions. Serial No. 597,529, Apr. 10. Class 50.
Kingan & Co. Incorporated, Indianapolis, Ind., sometimes doing business under the trading name of Albert E. Jordan, Richmond, Va. Ham, bacon and pork shoulder steaks. Serial No. 562,068, Apr. 10. Class 46.
Kotal Company : *See*—
Bishop, Howard B.
Kress, S. H., and Company, New York, N. Y. Plain pins, hairpins, and safety pins. Serial No. 594,178, Apr. 10. Class 40.
Kress, S. H., and Company, New York, N. Y. Plain pins, hairpins and safety pins. Serial No. 594,180, Apr. 10. Class 40.
Lalique, Rene, et Cie, S. R. L., Paris, France. Glassware. Serial No. 595,559, Apr. 10. Class 33.
Larsens, G., Pibefabrik A/S, Lillehammer, Norway. Smokers' articles. Serial No. 588,303, Apr. 10. Class 8.
Lea, David M., & Company, Incorporated, Richmond, Va. Furniture. Serial No. 577,892, Apr. 10. Class 32.
Lee, T. Kong, doing business as Lee's Agency, San Francisco, Calif. Canned fish and sea food. Serial No. 597,832, Apr. 10. Class 46.
Lee's Agency : *See*—
Lee, T. Kong.
Levor, G., & Co., Inc., New York, N. Y. Leathers. Serial No. 536,407, Apr. 10. Class 1.
Liebers, Albert S., New York, N. Y. Methanol antifreeze. Serial No. 599,954, Apr. 10. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 600,896, Apr. 10. Class 18.
Lincoln Paper Company, Chicago, Ill. Paper and cards. Serial No. 598,589, Apr. 10. Class 37.
Lins, E. W., doing business as E. W. Lins & Son, Fort Pierce and Homestead, Fla. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. Serial No. 600,177, Apr. 10. Class 46.
Lins, E. W., & Son : *See*—
Lins, E. W.
Long, Lycurgus S., doing business as Long-View Plantation, Gettysburg, Pa. Natural Christmas trees and evergreen decorations. Serial No. 584,538, Apr. 10. Class 1.
Longdon, F., & Company Limited, Derby, England. Corsets, corset belts, and elastic belts, etc. Serial No. 547,640, Apr. 10. Class 39.
Longfellow, Earl, doing business as Flexible Connector Co. of America, New York, N. Y. Hose coupling. Serial No. 570,711, Apr. 10. Class 13.
Long Super Mine Car Company, Fayetteville and Oak Hill, W. Va. Power driven endless conveyors. Serial No. 601,267, Apr. 10. Class 23.
Long-View Plantation : *See*—
Long, Lycurgus S.
Lowenfels, Frederick F., & Son, doing business under the name Hotel Bar Foods, New York, N. Y. Canned cooked ham. Serial No. 596,576, Apr. 10. Class 46.
Lusteroid Container Company, Inc., South Orange, N. J. Plastic tubular containers. Serial No. 508,684, Apr. 10. Class 2.
Mahon, Thomas J., trading as Thomas J. Mahon Company, New York, N. Y. Books. Serial No. 598,917, Apr. 10. Class 38.
Mahon, Thomas J., Company : *See*—
Mahon, Thomas J.
Maid-Rite Products, Inc., Muscatine, Iowa. Sandwiches. Serial No. 559,442, Apr. 10. Class 46.
Makltawecus, Anthony, Brooklyn, N. Y. Canned hot vegetables. Serial No. 584,411, Apr. 10. Class 46.
Mangeladorf, Ed. F., & Bro., Inc., doing business under the name and style Embro Popcorn Company, St. Louis, Mo. Popcorn. Serial No. 585,948, Apr. 10. Class 46.
Manning's, Inc., San Francisco, Calif. Coffee, tea, and candy. Serial No. 600,062, Apr. 10. Class 46.
Maremont Automotive Products, Inc., Chicago, Ill. Automotive mufflers and parts thereof, etc. Serial No. 558,230, Apr. 10. Class 23.
Maryland Biscuit Company, The, Baltimore, Md. Sweetened biscuits. Serial No. 525,896, Apr. 10. Class 46.
Massengill, S. E., Company, The, Bristol, Tenn. Respiratory decongestant. Serial No. 590,669, Apr. 10. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pan-vitamin pharmaceutical preparation. Serial No. 590,687, Apr. 10. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial No. 590,689, Apr. 10. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial Nos. 590,693–4, Apr. 10. Class 18.
McCulloch Motors Corporation, Los Angeles, Calif. Portable chain saws; centrifugal pumps; and chain saw grinders. Serial No. 595,145, Apr. 10. Class 23.
McCullough, Henry C., doing business as VMC Coil Company, assignor to Carter Coil Company, Atlanta, Ga. Form wound coils. Serial No. 594,559, Apr. 10. Class 21.
McMath-Axlrod Corporation, Dallas, Tex. Electrical display and advertising signs. Serial No. 600,298, Apr. 10. Class 21.
McQuay-Norris Manufacturing Co., St. Louis, Mo. Engine parts and tools. Serial No. 539,066, Apr. 10. Class 23.
Mennel Milling Company, The, Fostoria and Toledo, Ohio. Pure wheat bran, wheat flour middlings, etc. Serial No. 593,036, Apr. 10. Class 46.
Mercantile Stores Company, Inc., Wilmington, Del. Flower, vegetable and lawn seeds, flower and vegetable bulbs and roots, etc. Serial No. 578,155, Apr. 10. Class 1.
Merck & Co., Inc., Rahway, N. J. Cholinergic-blocking substance. Serial No. 579,609, Apr. 10. Class 18.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Pearl jewelry. Serial No. 595,973, Apr. 10. Class 28.
Midland Company, The, South Milwaukee, Wis. Garden tractors, seeders, combination seeders and cultivators, etc. Serial No. 581,277, Apr. 10. Class 23.
Mitchell Bakery, The, Independence, Kans. Loaves of bread, bread rolls, cinnamon rolls, etc. Serial No. 558,408, Apr. 10. Class 46.
Mitchell, Samuel, doing business as The Floridol Co., East Cleveland, Ohio. Alcohol containing preparation in the nature of a cologne. Serial No. 584,540, Apr. 10. Class 51.
Modern Packaging Corp., New York, N. Y. Section in a periodical publication. Serial No. 598,742, Apr. 10. Class 38.
Mogal, Mitchell, Inc., New York, N. Y. Razors, shears, scissors, etc. Serial No. 574,784, Apr. 10. Class 23.
Monsanto Chemical Company, St. Louis, Mo. Aluminum salts. Serial No. 599,771, Apr. 10. Class 6.
Morlove Inc., New York, N. Y. Ladies' and misses' blouses, and ladies' and misses' blouses and skirts. Serial No. 596,113, Apr. 10. Class 39.
Murray Company of Texas, Inc., The, doing business under the name and style of Boston Gear Works, Dallas, Tex., and North Quincy, Mass. Spur gears, worm gears and worms therefor, etc. Serial No. 598,266, Apr. 10. Class 23.
National Rubber Machinery Company, Akron, Ohio. Electrically operated domestic garbage disposal units. Serial No. 600,906, Apr. 10. Class 21.
National Silver Company, New York, N. Y. Stainless steel table cutlery. Serial No. 599,841, Apr. 10. Class 23.
National Tank Company, Tulsa, Okla. Metal pipe couplings and unions. Serial No. 591,045, Apr. 10. Class 13.

Navajo Freight Lines, Inc., Los Angeles, Calif. Transportation of freight by truck. Serial No. 597,287, Apr. 10. Class 105.
Nehi Corporation, Columbus, Ga. Beverage dispensing equipment. Serial Nos. 571,568–9, Apr. 10. Class 13.
New Yorker Cheese Company, Philadelphia, Pa. Cheese. Serial No. 598,805, Apr. 10. Class 46.
Oppenheim, Ernest L., doing business under the name of Ernest L. Oppenheim. Leather and Plastic Products Co., New York, N. Y. Handbags, wallets, playing card cases, etc. Serial No. 594,985, Apr. 10. Class 3.
Oppenheim, Ernest L., Leather and Plastic Products Co.: *See*—
Oppenheim, Ernest L.
Ovson Egg Company, Chicago, Ill. Frozen whole eggs, egg whites and yolks. Serial No. 550,932, Apr. 10. Class 46.
Pabst Brewing Company, Chicago, Ill. Metal serving trays. Serial No. 592,032, Apr. 10. Class 13.
Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.
Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Fresh potatoes and fresh berries. Serial No. 591,248, Apr. 10. Class 46.
Palmers Limited, Montreal, Quebec, Canada. Perfumes and toilet preparations. Serial No. 572,994, Apr. 10. Class 51.
Paragon Electric Company, Two Rivers, Wis. Electric timing device. Serial No. 558,238, Apr. 10. Class 26.
Parfums Charbert Inc., New York, N. Y. Bath oil. Serial No. 591,796, Apr. 10. Class 51.
Parker Pen Company, The, Janesville, Wis. Metal parts for fountain pens. Serial No. 597,093, Apr. 10. Class 37.
Patron Chemical Corporation, Los Angeles, Calif. Preparation for removing adhesive tape. Serial No. 599,970, Apr. 10. Class 6.
Pencraft, Inc., Boston, Mass. Fountain pens, pencils, leads, etc. Serial No. 598,034, Apr. 10. Class 37.
Pennington Bean Company: *See*—
Pennington, F. T.
Pennington, F. T., doing business as Pennington Bean Company, Atlanta, Ga. Dried beans. Serial No. 596,938, Apr. 10. Class 46.
Peterson, Lorena, doing business as Peterson Sales Company, St. Louis, Mo. Radiator cement. Serial No. 549,574, Apr. 10. Class 6.
Peterson, Lorena, doing business as Peterson Sales Company, St. Louis, Mo. Tire patches. Serial No. 586,307, Apr. 10. Class 35.
Peterson Sales Company: *See*—
Peterson, Lorena.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Flavored anticiotic preparation. Serial No. 599,972, Apr. 10. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 596,684, Apr. 10. Class 18.
Pichel Inc., New York, N. Y. Ladies' handbags. Serial Nos. 584,290–1, Apr. 10. Class 3.
Pierce, MacNeel, doing business as Plastic and Rubber Products Company, Los Angeles, Calif. Hydraulic packing compounds. Serial No. 589,986, Apr. 10. Class 35.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Finely divided silica. Serial No. 581,208, Apr. 10. Class 6.
Plastic and Rubber Products Company: *See*—
Pierce, MacNeel.
Pratt & Austin Company, Inc., Holyoke, Mass. Papeteries. Serial No. 597,841, Apr. 10. Class 37.
Quality Macaroni Company, doing business as Romano Macaroni Co., St. Paul, Minn. Egg noodles. Serial No. 581,983, Apr. 10. Class 46.
Quality Products Co., Providence, R. I. Starters for fluorescent lamps. Serial No. 604,032, Apr. 10. Class 21.
Quest, A. E., & Sons, Lubbock, Tex. Canvas pipe. Serial No. 596,865, Apr. 10. Class 35.
Rainbow Ointment Company: *See*—
Cloud, B. H.
Rath Packing Company, The, Waterloo, Iowa. Bacon. Serial No. 600,351, Apr. 10. Class 46.
Ratigan, J. P., Inc., Los Angeles, Calif. Oil well equipment. Serial No. 550,950, Apr. 10. Class 23.
Reading Batteries, Inc., Reading, Pa. Storage batteries. Serial No. 599,584, Apr. 10. Class 21.
Realty and Industrial Corporation, Convent, N. J. Portable ammeters, milli-ammeters, voltmeters, etc. Serial No. 557,629, Apr. 10. Class 26.
Reconstruction Finance Corporation: *See*—
Vincennes Packing Corporation.
Reed Roller Bit Company, Houston, Tex. Pneumatic hose. Serial No. 570,433, Apr. 10. Class 35.
Reinherz, Julius, doing business as Standard Liquidating Company, Brighton, Mass. Polishing wheels. Serial No. 582,861, Apr. 10. Class 4.
Rembrandt Lamp Corporation, Chicago, Ill. Shades for electric lamps. Serial No. 590,283, Apr. 10. Class 21.
Rembrandt Lamp Corporation, Chicago, Ill. Tables. Serial No. 599,585, Apr. 10. Class 32.
Rhodes, M. H., Incorporated, Hartford, Conn. Parking meters, and timers. Serial No. 568,663, Apr. 10. Class 26.
Rice Manufacturing Company, Van Nuys, Calif. Gloves. Serial No. 599,453, Apr. 10. Class 39.
Rieke Metal Products Corporation, Auburn, Ind. Rubber-like gaskets. Serial No. 580,948, Apr. 10. Class 35.
Riley, Jack M., Shreveport, La. Reproductions of well logs. Serial No. 579,892, Apr. 10. Class 38.
Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostats, thermostatic temperature controls, thermostatic valves, etc. Serial No. 579,153, Apr. 10. Class 26.
Robeson Cutlery Company, Inc., Perry, N. Y. Knife holders or racks. Serial No. 537,732, Apr. 10. Class 2.
Roma Wine Company: *See*—
Schenley Industries, Inc.
Romano Macaroni Co.: *See*—
Quality Macaroni Company.
Ro-Nel of California Co., Los Angeles, Calif. Junior and teenage girls' blouses, skirts, dresses, etc. Serial No. 596,442, Apr. 10. Class 39.
Rose, Clifford E., doing business as 505 Products Co., Erie, Pa. Washing fluid. Serial No. 584,595, Apr. 10. Class 52.
Roxborough Company, The, Philadelphia, Pa. Chemical composition. Serial Nos. 599,591–2, Apr. 10. Class 6.
Rubberset Company, Newark, N. J. Matted artificial filament, filter media, etc. Serial No. 580,676, Apr. 10. Class 1.
Rural Natural Gas Co., Cincinnati, Ohio. Propane gas. Serial No. 599,903, Apr. 10. Class 6.
Russell, Clabe, Fort Worth, Tex. Medicated preparation. Serial No. 586,706, Apr. 10. Class 18.
Sarah Lee Kitchen: *See*—
Jones, Sallie C.
Schadt & Mathewson, Detroit, Mich. Bed pillows, baby cushions, mattresses, etc. Serial No. 597,629, Apr. 10. Class 32.
Schenley Industries, Inc., also doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif. Wines. Serial No. 599,458, Apr. 10. Class 47.
Schmidt, C., and Sons, Incorporated, Philadelphia, Pa. Ale. Serial No. 597,914, Apr. 10. Class 48.
Schneible, Claude B., Company, Detroit, Mich. Particle separators and settler equipment. Serial No. 548,533, Apr. 10. Class 23.
Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Balances, balance weight set cases, etc. Serial No. 560,295, Apr. 10. Class 26.
Seabrook Associates, Tyrone, Pa. Peanuts. Serial No. 599,124, Apr. 10. Class 46.
Sea Island Mills, Incorporated, New York, N. Y. Cotton piece goods. Serial No. 601,949, Apr. 10. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Clothes brushes, hair brushes, shaving brushes, etc. Serial No. 559,339, Apr. 10. Class 29.
Sears, Roebuck and Co., Chicago, Ill. Thermostatically controlled temperature indicating devices. Serial No. 570,651, Apr. 10. Class 26.
Service Industries, Philadelphia, Pa. Acid/alkali-proof coating. Serial No. 600,229, Apr. 10. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin containing preparation. Serial No. 566,548, Apr. 10. Class 18.
Shellmar Products Corporation, Chicago, Ill. Polyethylene in sheet form. Serial No. 597,468, Apr. 10. Class 1.
Sherwin-Williams Company, The, Cleveland, Ohio. Insecticide. Serial No. 581,381, Apr. 10. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial No. 600,151, Apr. 10. Class 18.
Societe Anonyme Renaud Paris 1817, Montreuil, Seine, France. Perfumes, eau de cologne, lipstick, etc. Serial No. 592,581, Apr. 10. Class 51.
South Bend Bait Company, South Bend, Ind. Fishing tackle. Serial No. 600,399, Apr. 10. Class 22.
Southern Coal Company, Inc., Memphis, Tenn. Coal. Serial No. 558,527, Apr. 10. Class 1.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Skis. Serial No. 580,693, Apr. 10. Class 22.
Speidel Corporation, Providence, R. I. Bracelets. Serial No. 599,664, Apr. 10. Class 28.
Sperry Corporation, The, Great Neck, N. Y. Navigational and gyroscopic flight instruments. Serial No. 570,330, Apr. 10. Class 26.
Spun-Glo Products Co., Chicago, Ill. Shades for electric lamps. Serial No. 589,601, Apr. 10. Class 21.
Staley Milling Company, North Kansas City, Mo. Hog feed supplement. Serial No. 559,864, Apr. 10. Class 46.
Standard Liquidating Company: *See*—
Reinherz, Julius.
Stauffer Chemical Company, San Francisco, Calif. Agricultural parasiticides. Serial No. 595,687, Apr. 10. Class 6.
Stroock, S., & Co. Inc., New York, N. Y. Woven fabrics. Serial No. 575,944, Apr. 10. Class 42.
Sunknit, Inc., San Francisco, Calif. Hosiery, underwear, lingerie, etc. Serial No. 589,109, Apr. 10. Class 39.
Sutton, O. A., Corporation, Inc., The, Wichita, Kans. Electric fans, electric heater fans, and parts thereof. Serial No. 588,714, Apr. 10. Class 21.
Swizzels, Inc., Hoboken, N. J. Nonalcoholic, maltless beverages. Serial No. 600,858, Apr. 10. Class 45.
Tablerock Laboratories, Inc., Greenville, S. C. Synthetic narcotic. Serial No. 573,993, Apr. 10. Class 18.

Takaki, Lily Y., Honolulu, Territory of Hawaii. Medicinal preparation. Serial No. 600,011, Apr. 10. Class 18.
Tausend, Feliz, & Sons, New York, N. Y. Table-cloths, napkins, doilies, etc. Serial No. 595,991, Apr. 10. Class 42.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,438, Apr. 10. Class 17.
Tech-N-Kal Machine & Engineering, Detroit, Mich. Douche instrument. Serial No. 598,970, Apr. 10. Class 44.
Tennessee Glove Company, Tullahoma, Tenn. Work gloves. Serial No. 601,868, Apr. 10. Class 39.
Traverse Vertical Blind Co., Inc., Wichita, Kans. Venetian blinds. Serial No. 598,764, Apr. 10. Class 32.
Trav-L-Craft, Philadelphia, Pa. Baggage. Serial No. 579,638, Apr. 10. Class 3.
Trifari, Krussman & Fishel, Inc., Providence, R. I., and New York, N. Y. Jewelry. Serial No. 592,172, Apr. 10. Class 28.
Tropical Paint & Oil Company, The, Cleveland, Ohio. Caulking and glazing compound. Serial No. 596,131, Apr. 10. Class 12.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United Board & Carton Corporation, New York, N. Y. Collapsible paperboard bottle cartons. Serial No. 574,120, Apr. 10. Class 2.
United States Gypsum Company, Chicago, Ill. Asphalt roll roofing. Serial No. 576,725, Apr. 10. Class 12.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 599,350, Apr. 10. Class 22.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 599,353, Apr. 10. Class 22.
United States Radiator Corporation, Detroit, Mich. Electric water heaters. Serial No. 601,177, Apr. 10. Class 21.
United States Steel Corporation, New York, N. Y. Sulphate of iron. Serial No. 588,240, Apr. 10. Class 6.
United States Steel Corporation, New York, N. Y. Railway cars and wheelbarrows. Serial No. 588,246, Apr. 10. Class 19.
United Tool and Die Company, The, West Hartford, Conn. Low pressure domestic heating boilers. Serial No. 581,693, Apr. 10. Class 34.
United Tube Corporation, Elwood City, Pa. Base-metal plates, service trays, and bowls. Serial No. 496,411, Apr. 10. Class 13.
Universal Camera Corporation, New York, N. Y. Cameras and photographic accessories. Serial No. 587,153, Apr. 10. Class 26.
Universal Western Chemical Corp., Chicago, Ill. Chemical preparation. Serial No. 594,737, Apr. 10. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Veterinary ointment. Serial Nos. 600,519–20, Apr. 10. Class 18.
VMC Coil Company: *See*—
McCullough, Henry C.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,756, Apr. 10. Class 37.
Van der Heem N. V., The Hague, Netherlands. Electrical household appliances. Serial No. 556,038, Apr. 10. Class 21.
Van der Heem N. V., The Hague, Netherlands. Electric coffee grinders, electric food stirring and mixing devices, etc. Serial No. 556,039, Apr. 10. Class 21.
Van der Heem N. V., The Hague, Netherlands. Electric vacuum cleaners, electric floor polishers, electric fans, etc. Serial No. 556,040, Apr. 10. Class 21.
Vanity Fair Pearls, Inc., Brooklyn, N. Y. Costume jewelry. Serial No. 585,493, Apr. 10. Class 28.
Van Raalte Company, Inc., New York, N. Y. Women's hosiery. Serial No. 595,630, Apr. 10. Class 39.
Velliky, William J., Detroit, Mich. Game. Serial No. 586,996, Apr. 10. Class 22.
Vermette, Howard, doing business as Vermette Machine Co., Hammond, Ind. Pipe and bolt threading machines. Serial No. 577,996, Apr. 10. Class 23.
Vermette Machine Co.: *See*—
Vermette, Howard.
Victoria Underwear Company, New York, N. Y. Small sock. Serial No. 590,340, Apr. 10. Class 39.
Video Associates: *See*—
Fairbairn, Thomas E.
Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo. Canned foods. Serial No. 568,130, Apr. 10. Class 46.
Waegemans, E., & Son, Inc., Bridgeport, Conn. Cigars. Serial No. 603,215, Apr. 10. Class 17.
Wall Pine Export Inc., New York, N. Y. Fabrics. Serial No. 578,427, Apr. 10. Class 42.
Ward Paper Company, Merrill, Wis. Paper towels. Serial No. 600,003, Apr. 10. Class 37.
Waters, William T., New York, N. Y. Game. Serial Nos. 583,061–2, Apr. 10. Class 22.
White Bros. Rose Corp., Medina, N. Y. Fresh cut flowers. Serial No. 599,137, Apr. 10. Class 1.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. Serial No. 520,580, Apr. 10. Class 29.
Wholesale Equipment Corporation, Kansas City, Mo. Furnaces, boilers, gas burners, etc. Serial No. 584,517, Apr. 10. Class 34.
Wilhelm, Wilbur W., Dinuba, Calif. Fresh deciduous fruits. Serial No. 598,972, Apr. 10. Class 46.
Williams, L. S., Centerville, Calif. Fresh vegetables. Serial No. 574,877, Apr. 10. Class 46.
Wine Growers Guild, Lodi, Calif. Wines. Serial No. 585,408, Apr. 10. Class 47.
Wood, J. R., & Sons, Inc., New York, N. Y. Finger rings. Serial No. 579,466, Apr. 10. Class 28.
Yale & Towne Manufacturing Company, The, New York, N. Y. Motor driven trucks. Serial No. 557,643, Apr. 10. Class 19.
Young, L. A., Spring & Wire Corporation, San Leandro, Calif. Display racks. Serial No. 582,370, Apr. 10. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

A-B-C Packing Machine Corporation, Quincy, Ill. Automatic machines, semi-automatic machines, etc. 540,641, Apr. 10; Serial No. 536,479, published Nov. 28, 1950. Class 23.
A/S-Trondhjem Canning and Export Co., Trondheim, Norway. Sardines, kippers, fish-balls, etc. 540,625, Apr. 10; Serial No. 514,581, published Dec. 12, 1950. Class 46.
Acousticraft Corporation, Chicago, Ill. Radio receiving sets. 540,726, Apr. 10; Serial No. 579,469, published Jan. 16, 1951. Class 21.
Acragage Company: *See*—
Clapp Instrument Company.
Adsplay Co., The, Chicago, Ill. Electrical point-of-sale advertising signs and display units. 540,804, Apr. 10; Serial No. 591,340, published Jan. 16, 1951. Class 21.
Agfa Camera Werk Munchen, assignee: *See*—
Alfa Photo Corp.
Albrecht, F. Kenneth, Monkton, Md. Filing cases for photographic slides. 540,740, Apr. 10; Serial No. 581,155, published Dec. 19, 1950. Class 26.
Alfa Photo Corp., New York, N. Y., assignor to Agfa Camera Werk Munchen, Munich, Germany. Cameras. 540,797, Apr. 10; Serial No. 590,728, published Dec. 12, 1950. Class 26.
Allen Underwear Manufacturing Co., Inc., New York, N. Y. Petticoats, slips, panties, etc. 444,465, Apr. 10; Serial No. 519,155, published Jan. 16, 1951. Class 39.
Allied Chemical & Dye Corporation, New York, N. Y. Biological stain. 540,854, Apr. 10; Serial No. 594,424, published Jan. 16, 1951. Class 6.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformers and parts thereof. 540,895, Apr. 10; Serial No. 598,697, published Jan. 16, 1951. Class 21.
All-Power Manufacturing Co., Montebello, Calif. Combination cleavers and saws. 540,941, Apr. 10; Serial No. 596,643. Class 23.
Altman, B., & Co., New York, N. Y. Ladies' textile underwear. 540,754, Apr. 10; Serial No. 582,549, published Jan. 16, 1951. Class 39.
American Associated Companies, The, Atlanta, Ga. Laundry net bags. 540,760, Apr. 10; Serial No. 584,563, published Jan. 23, 1951. Class 2.
American Binder Company, Inc., The, New York, N. Y. Magnetized memo box containing writing paper and pencil. 540,763, Apr. 10; Serial No. 584,743, published Dec. 19, 1950. Class 37.
American Brake Shoe Company, New York, N. Y. Apparatus for comparing the speeds of wheels, shafts and other rotating members, etc. 540,863, Apr. 10; Serial No. 595,045, published Dec. 26, 1950. Class 26.
American Motor Products Company, Fond du Lac, Wis. Automotive ignition replacement parts. 540,878–9, Apr. 10; Serial Nos. 596,317–18, published Jan. 16, 1951. Class 21.
American Reenforced Paper Company, Attleboro, Mass. Reenforced paper. 540,819, Apr. 10; Serial No. 592,243, published Dec. 12, 1950. Class 37.
American Stores Company, Philadelphia, Pa. Lentils, split green peas, rice, etc. 540,787, Apr. 10; Serial No. 589,760, published Jan. 16, 1951. Class 46.
American Tobacco Company, The, New York, N. Y. Cigarettes. 540,860, Apr. 10; Serial No. 594,740, published Jan. 9, 1951. Class 17.
American White Cross Laboratories, Inc., The, New Rochelle, N. Y. Surgical dressings, prepared bandages, absorbent cotton, etc. 540,747, Apr. 10; Serial No. 582,118, published Jan. 2, 1951. Class 44.
Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 540,861, Apr. 10; Serial No. 594,747, published Jan. 2, 1951. Class 42.
Anthony, C. R., Company, Oklahoma City, Okla. Cotton yard goods. 540,767, Apr. 10; Serial No. 586,456, published Jan. 2, 1951. Class 42.

Antony, William E., assignor to Telesine Antenna Corporation, Shreveport, La. Television receiving antennas, point to point communication antennas, etc. 540,820, Apr. 10; Serial No. 592,244, published Jan. 9, 1951. Class 21.

Apex Products Corporation, New York, N. Y. Pencils. 540,805, Apr. 10; Serial No. 591,393, published Dec. 5, 1950. Class 37.

Arlington Chemical Company, The: *See*—
Palisade Manufacturing Co., The.

Armour and Company: *See*—
Decker, Jacob E., & Sons.

Armour and Company, Chicago, Ill. Sausage. 540,646, Apr. 10; Serial No. 540,137, published Jan. 23, 1951. Class 46.

Armstrong Products Company, Milwaukee, Wis. Fabric cover sets. 540,849, Apr. 10; Serial No. 594,010, published Jan. 2, 1951. Class 42.

Arrowood, S. D., & Co., Incorporated, New York, N. Y. Hosiery for women and girls. 540,822, Apr. 10; Serial No. 592,296, published Jan. 16, 1951. Class 39.

Associated Merchandising Corporation, The, New York, N. Y. Television receiving sets, electric phonographs, and television, radio and phonograph combinations. 540,859, Apr. 10; Serial No. 594,686, published Jan. 16, 1951. Class 21.

Associated Physicians Laboratories Ltd., San Francisco, Calif., to Smith, Kline & French Laboratories, Philadelphia, Pa. General tonic. 283,851, renewed June 9, 1951. O. G. Apr. 10. Class 18.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Medicinal products. 540,735, Apr. 10; Serial No. 580,181, published Jan. 9, 1951. Class 18.

Bali Brassiere Co., Inc.: *See*—
Fay-Miss Brassiere Co., Inc.

Bamberger, L., & Co., Newark, N. J., by Chalet Swiss Watch & Jewelry Company, New York, N. Y. Watches. 280,377, Feb. 17, 1931. Republished Apr. 10. Class 27.

Barber-Colman Company, Rockford, Ill. Electric switches automatically responsive to condition changes. 540,757, Apr. 10; Serial No. 583,074, published Dec. 26, 1950. Class 26.

Barber Temple Orange Company, Clearwater, Fla. Fresh citrus fruit. 540,693, Apr. 10; Serial No. 571,891, published Jan. 2, 1951. Class 46.

Barnett, G. & H., Company, Philadelphia, Pa., by Nicholson File Company, Providence, R. I. Files and rasps. 280,022, Feb. 10, 1931. Republished Apr. 10. Class 23.

Baskind, H. D., & Co., Inc.: *See*—
Baskind, Louis, & Co., Inc.

Baskind, Louis, & Co., Inc., to H. D. Baskind & Co., Inc., New York, N. Y. Men's and boys' dress and negligee shirts and men's and boys' pajamas. 279,890, renewed Feb. 3, 1951. O. G. Apr. 10. Class 39.

Bausch & Lomb Optical Company, Rochester, N. Y. Telescopic sights. 540,780, Apr. 10; Serial No. 588,734, published Dec. 26, 1950. Class 26.

Baxter, Don, Inc., Glendale, by Pancro Mirrors, Inc., Los Angeles, Calif. Ophthalmic mirrors, stereoscopic mirrors, diffraction gratings, etc. 330,567, Dec. 3, 1935. Republished Apr. 10. Class 26.

Benjamin Electric Limited, The, London, England. Electric lighting fixtures of all kinds. 540,692, Apr. 10; Serial No. 571,250, published Jan. 16, 1951. Class 21.

Berg, Joseph, to Joseph Berg Manufacturing Stationer Inc., New York, N. Y. Check books, account books, and ledgers. 283,363, renewed May 26, 1951. O. G. Apr. 10. Class 37.

Berg, Joseph, Manufacturing Stationer Inc.: *See*—
Berg, Joseph.

Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassières. 540,742, Apr. 10; Serial No. 581,548, published Jan. 16, 1951. Class 39.

Bernhardt, David, Paint and Glass Company, Inc.: *See*—
Bernhardt, David, Paint Company, Ltd.

Bernhardt, David, Paint Company, Ltd., to David Bernhardt Paint and Glass Company, Inc., New Orleans, La. Varnishes and mixed paint. 82,200, re-renewed June 13, 1951. O. G. Apr. 10. Clas 16.

Bick and Company, Inc., Reading, Pa. Sulphonated castor oil. 278,774, renewed Dec. 30, 1950. O. G. Apr. 10. Class 18.

Bishop Gutta-Percha Company, New York, N. Y., assignor to Bishop Manufacturing Corporation, Summit, N. J. Electrical insulating tape. 540,697, Apr. 10; Serial No. 572,715, published Jan. 16, 1951. Class 21.

Bishop Manufacturing Corporation: *See*—
Bishop Gutta-Percha Company.

Black and Decker Manufacturing Company, The, Towson, Md. Hand portable electric saws. 540,800, Apr. 10; Serial No. 590,797, published Jan. 9, 1951. Class 21.

Blockmaster, Inc., The, Pittsburg, Kans. Electrical portable resurfacing machine. 540,741, Apr. 10; Serial No. 581,466, published Jan. 16. Class 21.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile upholstery fabrics in the piece. 540,690, Apr. 10; Serial No. 570,688, published Sept. 5, 1950. Class 42.

Bockman, Ray, doing business under the name of Nusite, Warsaw, Ind. Steel cutting tools. 540,704, Apr. 10; Serial No. 573,866, published Dec. 12, 1950. Class 23.

Boss Manufacturing Company, The: *See*—
Hamilton, M. B. Mfg. Co., The.

Botfield Refractories Company, Philadelphia, Pa. Refractory cement. 278,810, renewed Jan. 27, 1951. O. G. Apr. 10. Class 12.

Bowran, Robert, & Company Limited: *See*—
Bowran, Robert, & Company, Limited.

Bowran, Robert, & Company, Limited, Newcastle-upon-Tyne, to Robert Bowran & Company Limited, Pelaw, Gateshead, England. Bituminous compounds for waterproofing and caulking purposes. 282,709, renewed Apr. 28, 1951. O. G. Apr. 10. Class 12.

Bramas Trading Corporation: *See*—
Rossi, Ruth.

Brier Manufacturing Company: *See*—
Magid, Samuel M.

Brine, James W., Co. Inc., Boston, Mass. Archery bows, archery target stands, badminton rackets, etc. 540,923, Apr. 10; Serial No. 552,568. Class 22.

Brink, Melvin L., Kansas City, Mo. Diapers. 540,654, Apr. 10; Serial No. 547,423, published Jan. 16, 1951. Class 39.

Brocato, Elinor, San Francisco, Calif. Toy dogs. 540,781, Apr. 10; Serial No. 588,934, published Dec. 5, 1950. Class 22.

Brown, Arthur, & Bro., Inc., New York, N. Y. Drawing paper. 540,664, Apr. 10; Serial No. 558,276, published Jan. 9, 1951. Class 37.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. 540,829, Apr. 10; Serial No. 592,601, published Dec. 5, 1950. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. 540,830, Apr. 10; Serial No. 592,603, published Dec. 5, 1950. Class 22.

Bührmann's, G. H., Papiergroothandel, N. V., Amsterdam, Netherlands. Writing paper and envelopes; bond paper; blank bank paper, etc. 540,667, Apr. 10; Serial No. 559,574, published Dec. 5, 1950. Class 37.

Burd Piston Ring Company: *See*—
Liberty Foundries Company.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 540,790, Apr. 10; Serial No. 589,886, published Jan. 2, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 540,798, Apr. 10; Serial No. 590,732, published Jan. 2, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 540,813, Apr. 10; Serial No. 592,070, published Jan. 9, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 540,821, Apr. 10; Serial No. 592,249, published Jan. 2, 1951. Class 42.

California Fruit Exchange, Sacramento, Calif. Fresh grapes. 278,993, renewed Jan. 6, 1951. O. G. Apr. 10. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Insecticides, herbicides, and weedicides. 540,939, Apr. 10; Serial No. 594,692. Class 6.

Call Publishing Company, The, to Hearst Publishing Company, Inc., San Francisco, Calif. Vignette or masthead for a daily newspaper. 282,867, renewed May 5, 1951. O. G. Apr. 10. Class 38.

Cardinet Candy Company, Inc., Oakland, Calif. Candy. 540,925, Apr. 10; Serial No. 558,630. Class 46.

Carr, James A., Hood River, Oreg. Fresh deciduous fruits. 540,756, Apr. 10; Serial No. 583,030, published Jan. 16, 1951. Class 46.

Cavanagh, John, Ltd., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hatboxes. 270,983, May 20, 1930. Republished Apr. 10. Class 3.

Certified Dry Mat Corporation: *See*—
Silvertone Process Corporation.

Chalet Swiss Watch & Jewelry Company: *See*—
Bamberger, L., & Co.

Chicago Musical Instrument Co., Chicago, Ill. Accordions. 540,834–6, Apr. 10; Serial Nos. 592,877–9, published Jan. 16, 1951. Class 36.

Chipman Chemical Company, Inc., Bound Brook, N. J. Methyl-α-naphthaleneacetate. 540,935, Apr. 10; Serial No. 573,117. Class 6.

Chitty & Co., Jacksonville, Fla. Rice. 540,668, Apr. 10; Serial No. 559,580, published Aug. 1, 1950. Class 46.

Cinefot International Corp., New York, N. Y. Universal viewfinders for cameras. 540,905, Apr. 10; Serial No. 602,307, published Jan. 2, 1951. Class 26.

Cinefot International Corp., New York, N. Y. Universal viewfinders for cameras. 540,944, Apr. 10; Serial No. 602,306. Class 26.

Clapp Instrument Company, Webster, Mass., now by change of name Acragage Company. Pressure gauges. 540,885, Apr. 10; Serial No. 597,385, published Jan. 2, 1951. Class 26.

Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 540,838, Apr. 10; Serial No. 593,261, published Dec. 5, 1950. Class 23.

Cleveland Heater Company, The, Cleveland, Ohio. Gas-burning water heaters. 279,153, renewed Jan. 6, 1951. O. G. Apr. 10. Class 34.

Clover Green Dairies, Inc., Woodbridge, N. J., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Ice cream. 540,672, Apr. 10; Serial No. 561,294, published Sept. 20, 1949. Class 46.

Colonial Provision Co., Inc., Boston, Mass. Canned beef with gravy. 540,728, Apr. 10; Serial No. 579,687, published Dec. 26, 1950. Class 46.

Colorscope, Inc., Moline, Ill. Toy film viewer. 540,691, Apr. 10; Serial No. 571,072, published Dec. 5, 1950. Class 22.

Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon, doing business as C. J. van Houten & Zoon, Weesp, Holland. Cocoabeans, cocoa, cocoabutter, etc. 444,466, Apr. 10; Serial No. 524,301, published Dec. 5, 1950. Class 46.

Comstock Canning Corporation, Newark, N. Y. Canned and frozen apples. 540,637, Apr. 10; Serial No. 532,565, published Dec. 5, 1950. Class 46.

Consolidated Ashcroft Hancock Company, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure gages. 284,361, renewed June 23, 1951. O. G. Apr. 10. Class 26.

Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich. Internal combustion engines and parts therefor, etc. 444,462, Apr. 10; Serial No. 499,394, published July 18, 1950. Class 23.

Cook Paint & Varnish Company, Kansas City, Mo. Paints. 282,265, Apr. 14, 1931. Republished Apr. 10. Class 16.

Co-Pilot Company, Van Nuys, Calif. Accelerometers and gradometers. 540,904, Apr. 10; Serial No. 601,713, published Jan. 16, 1951. Class 26.

Corvek Servicemaster, Inc., Portland, Oreg. Electric dial light board. 540,698, Apr. 10; Serial No. 572,725, Jan. 9, 1951. Class 21.

Crompton Company, Crompton, R. I. Fabrics in the piece. 540,771, Apr. 10; Serial No. 587,253, published Jan. 9, 1951. Class 42.

Curtis Casuals, Inc., New York, N. Y. Women's and misses' dresses. 540,623, Apr. 10; Serial No. 511,984, published Jan. 16, 1951. Class 39.

Curtis 1000 Inc., St. Paul, Minn. Correspondence envelopes. 540,638, Apr. 10; Serial No. 534,004, published Jan. 18, 1949. Class 37.

Decker, Jacob E., & Sons, Mason City, Iowa, to Armour and Company, Chicago, Ill. Bacon. 279,231, renewed Jan. 13, 1951. O. G. Apr. 10. Class 46.

Dell'Ollio, Gerry, doing business as Dell'Ollio Ranch, Tipton, Calif. Fresh grapes. 540,846, Apr. 10; Serial No. 593,714, published Jan. 2, 1951. Class 46.

Dell'Ollio Ranch: *See*—
Dell'Ollio, Gerry.

Doeskin Products, Inc., New York, N. Y. Paper dinner napkins and paper luncheon napkins. 540,727, Apr. 10; Serial No. 579,489, published Jan. 9, 1951. Class 37.

Dolge, C. B. Company, The, Westport, Conn. Soap powder. 540,828, Apr. 10; Serial No. 592,555, published Jan. 9, 1951. Class 52.

Dri-Rite Company, The: *See*—
Kane, Wm. H.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemicals. 278,698, renewed Dec. 30, 1950. O. G. Apr. 10. Class 6.

Duquesne Manufacturing Company, The, New Kensington, Pa. Women's bungalow aprons, dresses, petticoats, etc. 540,768, Apr. 10; Serial No. 586,797, published Dec. 26, 1950. Class 39.

Dura Electric Lamp Co., Inc., Newark, N. J. Incandescent lamps and starter switches. 540,660, Apr. 10; Serial No. 552,848, published Jan. 9, 1951. Class 21.

Dura Lock Case Manufacturers: *See*—
Parker, Alton N.

Eastern Air Lines, Inc., New York, N. Y. Air transportation. 540,911, Apr. 10; Serial No. 546,377, published Jan. 16, 1951. Class 105.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic lenses. 540,752, Apr. 10; Serial No. 582,526, published Dec. 12, 1950. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic cameras. 540,886, Apr. 10; Serial No. 597,390, published Dec. 12, 1950. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic cameras. 540,887, Apr. 10; Serial No. 597,391, published Dec. 19, 1950. Class 26.

Ebert, Leonard J., Kansas City, Mo. Magnetic grounding contact clamps. 540,729, Apr. 10; Serial No. 579,676, published Jan. 9, 1951. Class 21.

Ehlers, Albert, Inc., Brooklyn, N. Y. Uncoated rice. 540,669, Apr. 10; Serial No. 560,610, published Jan. 23, 1951. Class 46.

Electro-Seal Corporation, Des Plaines, Ill. Hermetically sealed protective containers. 540,714, Apr. 10; Serial No. 576,255, published Jan. 9, 1951. Class 21.

Elliott, B. K., Company, Pittsburgh, Pa. Blue print paper. 540,807, Apr. 10; Serial No. 591,463, published Dec. 19, 1950. Class 37.

Elm City Rubber Company, The, New Haven, Conn. Plastic or rubber rain capes, rain hoods, rain coats, etc. 540,680, Apr. 10; Serial No. 567,689, published Jan. 16, 1951. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies' and misses' dresses. 540,762, Apr. 10; Serial No. 584,719, published Jan. 16, 1951. Class 39.

Embrusa, Inc., New York, N. Y. Millinery braids. 540,929, Apr. 10; Serial No. 565,913. Class 40.

Empire Carpet Corporation, New York, N. Y. Textile floor coverings. 540,772, Apr. 10; Serial No. 587,321, published Jan. 2, 1951. Class 42.

Equitable Paper Bag Co., Inc., Long Island City, N. Y. Paper carry bags. 540,681, Apr. 10; Serial No. 567,690, published Jan. 16, 1951. Class 2.

Ercona Camera Corporation, New York, N. Y. Cameras. 540,811, Apr. 10; Serial No. 591,844, published Dec. 26, 1950. Class 26.

Erving Paper Mills, Erving, Mass. Paper napkins, paper towels, toilet tissue, and wrapping paper. 540,652, Apr. 10; Serial No. 546,482, published Jan. 9, 1951. Class 37.

Erving Paper Mills, Erving, Mass. Paper napkins, toilet paper, and paper towels. 540,831, Apr. 10; Serial No. 592,703, published Dec. 26, 1950. Class 37.

Etablissement Hour, Lavigne, Paris, France. Watches, clocks, chronometers and parts thereof. 540,720, Apr. 10; Serial No. 577,782, published Jan. 30, 1951. Class 27.

Eversharp, Inc.: *See*—
Wahl Company, The.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Colored pencils and colored leads. 540,795, Apr. 10; Serial No. 590,498, published Nov. 14, 1950. Class 37.

Facile Corporation, Patterson, N. J. Core binder tape, mica backing, shielding tape, etc. 540,764, Apr. 10; Serial No. 585,579, published Jan. 9, 1951. Class 21.

Fairbridge Co. Incorporated, Bridgeport, Conn. Magnifying lens attachments for incandescent electric bulbs. 540,684, Apr. 10; Serial No. 568,304, published Dec. 12, 1950. Class 26.

Fate-Root-Heath Company, The, Plymouth, Ohio. Sharpening machines. 540,702, Apr. 10; Serial No. 573,175, published Jan. 2, 1951. Class 23.

Fay-Miss Brassiere Co., Inc., by Bali Brassiere Co., Inc., New York, N. Y. Brassières and bandeaux. 340,510. Nov. 10, 1936. Republished Apr. 10. Class 39.

Federal Rubber Company, The, Chicago, Ill., and Cudahy, Wis., and Chicopee Falls, Mass., by United States Rubber Company, New York, N. Y. Vehicle tires, inner tubes, tire and tube patches, etc. 276,397, Oct. 21, 1930. Republished Apr. 10. Class 35.

Ferry-Morse Seed Co., Detroit, Mich. Coated seeds. 540,707, Apr. 10; Serial No. 575,134, published Oct. 11, 1949. Class 1.

Fidelity Machine Company, Inc., Philadelphia, Pa. Moisture absorbing and temperature retaining fabric coverings. 540,647, Apr. 10; Serial No. 542,107, published Jan. 16, 1951. Class 2.

Filippone, B., & Co., Inc., Passaic, N. J. Wheat flour. 540,799, Apr. 10; Serial No. 590,740, published Dec. 5, 1950. Class 46.

Fisher Silversmiths, Inc., The, Jersey City, N. J., and New York, N. Y. Sterling silver and silver plated flatware and hollow ware. 540,755, Apr. 10; Serial No. 582,777, published Jan. 30, 1951. Class 28.

Fisk Rubber Company, The, Chicopee Falls, Mass., and Cudahy, Wis., by United States Rubber Company, New York, N. Y. Solid cushion, and pneumatic vehicle tires. 276,119, Oct. 7, 1930. Republished Apr. 10. Class 35.

Five Acres Farm, Telford, Pa. Piccalilli, jams, jellies, canned vegetables, etc. 540,632, Apr. 10; Serial No. 526,215, published Dec. 19, 1950. Class 46.

Forest City Manufacturing Company, St. Louis, Mo. Women's and misses' dresses. 540,851, Apr. 10; Serial No. 594,213, published Jan. 16, 1951. Class 39.

Foster Engineering Co., Inc., Chicago, Ill., now by change of name Metrotype Corporation. Automatic printing and totalizing metering apparatus. 540,773, Apr. 10; Serial No. 587,472, published Dec. 26, 1950. Class 26.

Fotopak Corp., The, Ridgefield, N. J. Photo printing machines. 540,943, Apr. 10; Serial No. 599,371. Class 26.

Foto-Rule Company: *See*—
Uphouse, Sam C.

Frost Mfg. Co., Chicago, Ill. Receptacles. 540,640, Apr. 10; Serial No. 535,947, published Jan. 16, 1951. Class 2.

Gallet et Co., La Chaux-de-Fonds, Switzerland. Watches, stopwatches and parts thereof. 540,816, Apr. 10; Serial No. 592,202, published Jan. 30, 1951. Class 27.

Galter Products Co., Chicago, Ill. Cameras. 540,635, Apr. 10; Serial No. 529,259, published Apr. 27, 1948. Class 26.

Gamble-Skogmo, Inc., Minneapolis, Minn. Milk cans, dairy pails, and stock tanks. 540,808, Apr. 10; Serial No. 591,478, published Jan. 23, 1951. Class 2.

General Baking Company, New York, N. Y. Bread, bread crumbs, coffee rings, etc. 540,839, Apr. 10; Serial No. 593,344, published Dec. 26, 1950. Class 46.

General Paint Corporation, San Francisco, Calif. Paint, varnish, lacquer; etc. 284,176, renewed June 16, 1951. O. G. Apr. 10. Class 16.

General Register Corporation, Brooklyn, to General Register Corporation, Long Island City, N. Y. Ticket-issuing machines, ticket printing and issuing machines, etc. 283,339–40, renewed May 26, 1951. O. G. Apr. 10. Class 23.

Gentile, Laurence, doing business under the name and style of Queence Packing Co., Malden, Mass. Canned dog and cat food. 540,769, Apr. 10; Serial No. 587,022, published Jan. 16, 1951. Class 46.

Glow Products, assignee: *See*—
Rossi, Ruth.

Gold Medal Hair Products, Inc., Brooklyn, N. Y. Eyeglasses, sunglasses, lenses, and frames. 540,884, Apr. 10; Serial No. 597,267, published Jan. 16, 1951. Class 26.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. 540,894, Apr. 10; Serial No. 598,531, published Jan. 9, 1951. Class 42.

Goodman and Company, Indianapolis, Ind. Finger rings, brooches, scarf pins, etc. 540,783, Apr. 10; Serial No. 589,313, published Jan. 30, 1951. Class 28.

Griffin, Ben Hill, Inc., Avon Park, Fla. Fresh citrus fruits. 540,930, Apr. 10; Serial No. 567,398. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 540,840, Apr. 10; Serial No. 593,626, published Jan. 30, 1951. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 540,841–2, Apr. 10; Serial Nos. 593,628–9, published Jan. 30, 1951. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 540,843–4, Apr. 10; Serial Nos. 593,631–2, published Jan. 30, 1951. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 540,845, Apr. 10; Serial No. 593,636, published Jan. 30, 1951. Class 27.

Hamilton, M. B., Mfg. Co., The, Leavenworth, Kans., to The Boss Manufacturing Company, Kewanee, Ill. Cotton or woolen gloves and mittens. 280,527, renewed Feb. 17, 1951. O. G. Apr. 10. Class 39.

Hankscraft Company, Reedsburg, Wis. Time control switch. 540,789, Apr. 10; Serial No. 589,849, published Dec. 5, 1950. Class 26.

Hanson Scale Company, Chicago, Ill. Kitchen scales. 283,107, renewed May 19, 1951. O. G. Apr. 10. Class 26.

Hat Corporation of America: *See*—
Cavanagh, John, Ltd.

Hausner, Julius, Brooklyn, N. Y. Advisory service. 540,918, Apr. 10; Serial No. 589,851, published Jan. 9, 1951. Class 101.

Hawley Products Company, St. Charles, Ill. Serving trays and covers, etc. 540,749, Apr. 10; Serial No. 582,424, published Jan. 16, 1951. Class 2.

Hearst Publishing Company, Inc.: *See*—
Call Publishing Company, The.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics. 540,796, Apr. 10; Serial No. 590,592, published Jan. 9, 1951. Class 42.

Heiland Research Corporation, Denver, Colo. Galvanometers, oscillograph recorders, etc. 540,902, Apr. 10; Serial No. 600,336, published Jan. 2, 1951. Class 26.

Heiland Research Corporation, Denver, Colo. Photographic articles, accessories, and equipment. 540,903, Apr. 10; Serial No. 600,337, published Jan. 2, 1951. Class 26.

Herz, Alexander, Co., Inc., New York, N. Y. Merchandise envelopes. 540,674, Apr. 10; Serial No. 562,897, published Jan. 16, 1951. Class 2.

Heublein, G. F., & Bro., Inc., Hartford, Conn. Gin. 540,837, Apr. 10; Serial No. 593,176, published Jan. 16, 1951. Class 49.

Hewlett-Packard Company, Palo Alto, Calif. Frequency monitor and modulation meters, voltmeters and distortion analyzers. 540,874, Apr. 10; Serial No. 595,782, published Jan. 2, 1951. Class 26.

Hodgens-Barnett & Co., Inc., Chippewa Falls, Wis. Unitary electrically operated apparatus for measuring, indicating and automatically controlling the concentration of detergents, etc. 540,671, Apr. 10; Serial No. 561,017, published Dec. 19, 1950. Class 26.

Holeproof Hosiery Company: *See*—
Luxite Silk Products Co.

Hollinger, Joseph, & Co., Inc., New York, N. Y. Eye glasses, eye glass frames, and eye glass lenses. 444,464, Apr. 10; Serial No. 516,545, published Dec. 26, 1950. Class 26.

Hopp Press, Inc., The, New York, N. Y. Portable stands or racks. 540,705, Apr. 10; Serial No. 573,946, published Jan. 23, 1951. Class 2.

Horton Manufacturing Company, Jacksonville, Fla. Vehicle front end alignment machine and stand. 540,679, Apr. 10; Serial No. 567,142, published Jan. 16, 1951. Class 26.

Hospital Specialty Company, The, Cleveland, Ohio. Sanitary neckbands. 540,662, Apr. 10; Serial No. 555,098, published Dec. 12, 1950. Class 37.

I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breakers, switchgear, relays, etc. 540,694, Apr. 10; Serial No. 571,969, published Jan. 9, 1951. Class 21.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls and toy stuffed animals. 540,774, Apr. 10; Serial No. 587,728, published Dec. 5, 1950. Class 22.

Imagineering Associates, Incorporated, Los Angeles, Calif. Scientific and industrial models. 540,622, Apr. 10; Serial No. 510,255, published Dec. 12, 1950. Class 26.

International Appliance Corporation, New York, N. Y. Electric stoves. 540,877, Apr. 10; Serial No. 596,282, published Jan. 16, 1951. Class 21.

International Paper Company, New York, N. Y. Butchers' wrapping paper. 540,809, Apr. 10; Serial No. 591,485, published Dec. 5, 1950. Class 37.

Irvington Varnish & Insulator Company, Irvington, N. J. Moistureproof and solvent resistant bottle-cap liner material. 540,810, Apr. 10; Serial No. 591,734, published Jan. 9, 1951. Class 37.

Jaeger Machine Company, The, Columbus, Ohio. Air compressors. 540,682, Apr. 10; Serial No. 567,740, published Dec. 12, 1950. Class 23.

Jamieson Pharmacal Company, Detroit, Mich. Anti-histamine preparations. 540,825, Apr. 10; Serial No. 592,428, published Jan. 16, 1951. Class 18.

Jamol Co., The: *See*—
Romano, Jacques.

Jennings, Russell, Manufacturing Company, The, New Britain, Conn. Augers and bits. 540,899, Apr. 10; Serial No. 599,245, published Dec. 5, 1950. Class 23.

Jensen, Georg, Inc., New York, N. Y. Desk sets and accessories. 540,621, Apr. 10; Serial No. 504,846, published Dec. 12, 1950. Class 37.

Jessop Advertising Company, The, Akron, Ohio. General advertising services. 540,909, Apr. 10; Serial No. 538,287, published Jan. 16, 1951. Class 101.

Joyce, James J., New York, N. Y. Putty knives. 540,677, Apr. 10; Serial No. 566,082, published Nov. 28, 1950. Class 23.

Joyner, V. W., Smithfield, Va. Ham. 81,809, May 9, 1911. Amended. O. G. Apr. 10. Class 46.

Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. 540,893, Apr. 10; Serial No. 598,483, published Jan. 2, 1951. Class 42.

Kane, Wm. H., doing business under the firm name and style of The Dri-Rite Company, Chicago, Ill. Floor treating compound. 540,934, Apr. 10; Serial No. 572,980. Class 6.

Keeley Candy Company, Madison, Conn. Candy. 540,636, Apr. 10; Serial No. 532,418, published Dec. 19, 1950. Class 46.

Kelray Knitting Mills, Inc., New York, N. Y. Ladies', misses' and children's panties, step-ins, bandeaux, etc. 540,812, Apr. 10; Serial No. 592,036, published Jan. 16, 1951. Class 39.

Kemart Corporation, San Francisco, Calif. Mounted short wave lamp. 540,661, Apr. 10; Serial No. 554,128, published Jan. 9, 1951. Class 26.

Kenroe, Inc., Kansas City, Mo., assignor to V. H. Weber, doing business as Weber Manufacturing Co., Bonner Springs, Kans. Infants' diapers. 540,765, Apr. 10; Serial No. 586,285, published Jan. 16, 1951. Class 39.

Keystone Paint and Varnish Corporation: *See*—
Keystone Varnish Company.

Keystone Varnish Company, to Keystone Paint and Varnish Corporation, Brooklyn, N. Y. Liquid paint and varnish remover. 537,089, Jan. 30, 1951. New certificate. O. G. Apr. 10. Class 16.

Kidd, Ellen G., Richmond, to Pin Money Brands, Inc., Gloucester, Va. Brandied fruits, fruits in syrup, fruit-jelly, etc. 82,243, re-renewed June 13, 1951. O. G. Apr. 10. Class 46.

Kientzel Noodle Co., Inc., St. Louis, Mo. Popped (and seasoned) pop corn. 540,624, Apr. 10; Serial No. 512,001, published Dec. 12, 1950. Class 46.

Kimball, A., Company, New York, N. Y. Blank and partially printed labels. 540,928, Apr. 10; Serial No. 564,573. Class 37.

Kirkhill Rubber Co., Los Angeles, Calif. Rubber washers. 282,191, renewed Apr. 14, 1951. O. G. Apr. 10. Class 35.

Kline & French Company, to Smith, Kline & French Laboratories, Philadelphia, Pa. Root-beer extract. 80,741, re-renewed Jan. 24, 1951. O. G. Apr. 10. Class 45.

Knickerbocker, Karl, doing business under the assumed name of Photo Products Co., St. Clair, Mich. Photographic supplies. 540,775, Apr. 10; Serial No. 587,732, published Dec. 12, 1950. Class 26.

Kohorn, Oscar, & Co., Ltd., New York, N. Y. Machinery, equipment and accessories. 444,463, Apr. 10; Serial No. 510,090, published Jan. 2, 1951. Class 23.

Kono Manufacturing Company, Woodside, and New York, N. Y. Spectacle frames. 540,855, Apr. 10; Serial No. 594,477, published Dec. 26, 1950. Class 26.

Kooperativa Förbundet, förening u. p. a., Stockholm, Sweden. Cash registers, calculating machines, coin exchanging apparatus, etc. 540,751, Apr. 10; Serial No. 582,459, published Dec. 26, 1950. Class 26.

Kotake Company, Limited, Honolulu, Territory of Hawaii. Canned foods. 540,817, Apr. 10; Serial No. 592,209, published Dec. 26, 1950. Class 46.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Wrist watch bands. 540,922, Apr. 10; Serial No. 547,859. Class 28.

Laher Auto Spring Co., Inc., by Laher Spring & Tire Corporation, Oakland, Calif. Brake lining. 277,265, Nov. 11, 1930. Republished Apr. 10. Class 35.

Laher Spring & Tire Corporation: *See*—
Laher Auto Spring Co., Inc.

Lance Manufacturing Company, Philadelphia, Pa. Plastic parts for electrical devices. 540,708, Apr. 10; Serial No. 575,146, published Jan. 16, 1951. Class 21.

Landis Machine Company, St. Louis, Mo. Machine needles and awls. 540,634, Apr. 10; Serial No. 528,353, published Dec. 12, 1950. Class 23.

Lanpar Co.: *See*—
Parmeter, O.

Laszlo, Stephen E., Brooklyn, N. Y. Opera glasses and binoculars. 540,883, Apr. 10; Serial No. 597,211, published Dec. 5, 1950. Class 26.

Lever Brothers Company: *See*—
Pepsodent Co., The.

Lever Brothers Company, Cambridge, Mass., to Lever Brothers Company, New York, N. Y. Soap. 284,089, renewed June 16, 1951. O. G. Apr. 10. Class 52.

Liberty Foundries Company, to Burd Piston Ring Company, Rockford, Ill. Space heaters. 279,286, renewed Jan. 13, 1951. O. G. Apr. 10. Class 34.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. 540,643, Apr. 10; Serial No. 538,937, published Dec. 5, 1950. Class 46.

Livingston, Dr., Margaret, Co., Chicago, Ill. Liver and bowel stimulant tablets, medicated hygenic wash tablets, etc. 280,315, Feb. 10, 1931. Republished Apr. 10. Classes 18 and 51.

Lowe, Joe, Corporation, New York, N. Y. Pocket knives. 540,733, Apr. 10; Serial No. 580,073, published Nov. 28, 1950. Class 23.

Lowe, Joe, Corporation, New York, N. Y. Novelty pins, bracelets, finger rings. 540,734, Apr. 10; Serial No. 580,076, published Jan. 16, 1951. Class 28.

Lowe, Joe, Corporation, New York, N. Y. Bags. 540,737, Apr. 10; Serial No. 580,306, published Jan. 16, 1951. Class 2.

Lowe, Joe, Corporation, New York, N. Y. Empty confectionery bags. 540,761, Apr. 10; Serial No. 584,683, published Jan. 16, 1951. Class 2.

Lowenstein, Ernest, Inc., New York, N. Y. Imitation gems and cut glass bodies. 540,709–10, Apr. 10; Serial Nos. 575,150–1, published Jan. 16, 1951. Class 28.

Lubin-Wecker Co. Inc., New York, N. Y. Girls' pajamas. 540,859, Apr. 10; Serial No. 552,595, published Jan. 16, 1951. Class 39.

Lunt Silversmiths: *See*—
Rogers, Lunt & Bowlen Company.

Luxite Silk Products Co., to Holeproof Hosiery Company, Milwaukee, Wis. Underwear for men and women. 284,310, renewed June 23, 1951. O. G. Apr. 10. Class 39.

Macaton Corporation, The, San Diego, Calif. Electrical control and actuating apparatus. 540,725, Apr. 10; Serial No. 579,283, published Jan. 16, 1951. Class 21.

Macy, R. H., & Co., Inc., New York, N. Y.. Dolls. 540,793, Apr. 10; Serial No. 590,320, published Dec. 5, 1950. Class 22.

Magid, Samuel M., Boston, Mass., by Brier Manufacturing Company, Providence, R. I. Collar-buttons, brooches, cuff-buttons, etc. 80,071, Nov. 1, 1910. Republished Apr. 10. Class 28.

Magnus Harmonica Corporation, Newark, N. J. Harmonicas. 540,856, Apr. 10; Serial No. 594,481, published Jan. 16, 1951. Class 36.

Mah Chena Food Products Company, Chicago, Ill. Frozen chop suey. 540,629, Apr. 10; Serial No. 521,669, published Jan. 23, 1951. Class 46.

Malanco, Inc., Blue Island, Ill. Glass fiber insulating material. 540,927, Apr. 10; Serial No. 562,716. Class 12.

Manahan Moth Paper Company, Brooklyn and New York, N. Y. Garment storage bags. 540,675, Apr. 10; Serial No. 563,748, published Jan. 16, 1951. Class 2.

Manning, Maxwell & Moore, Incorporated: *See*—
Consolidated Ashcroft Hancock Company.

Manufacture des Montres & Chronographes Pierce S. A., Bienne, Switzerland. Watches and parts thereof. 540,715, Apr. 10; Serial No. 576,816, published Jan. 30, 1951. Class 27.

Marathon Corporation, Rothschild, Wis. Bakers' wrapping paper. 540,802, Apr. 10; Serial No. 591,179, published Dec. 5, 1950. Class 37.

Marathon Corporation, Rothschild, Wis. Butchers' wrapping paper. 540,803, Apr. 10; Serial No. 591,180, published Dec. 5, 1950. Class 37.

Marrow Manufacturing Co., New York, N. Y. Fabric applique pieces, artificial flowers and feathers. 540,924, Apr. 10; Serial No. 555,611. Class 40.

McAfee Candy Co., Inc., Macon, Ga. Candy bars. 540,657, Apr. 10; Serial No. 550,536, published Jan. 23, 1951. Class 46.

McBee Company, The, Athens, Ohio. Bond, ledger, printing, writing, record, and book paper, etc. 540,649, Apr. 10; Serial No. 543,636, published Jan. 9, 1951. Class 37.

McKesson & Robbins, to McKesson & Robbins, Incorporated, New York, N. Y. Preparation of a semifluid nature for application to the mucous membrane and skin. 35,841, re-renewed Jan. 29, 1951. O. G. Apr. 10. Class 18.

McKesson & Robbins, Incorporated: *See*—
McKesson & Robbins.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Medical atomizers, rubber gloves for medical use. 279,042, renewed Jan. 6, 1951. O. G. Apr. 10. Class 44.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Plastic material of paintlike consistency. 540,931, Apr. 10; Serial No. 567,643. Class 12.

Metrotype Corporation: *See*—
Foster Engineering Co., Inc.

Midwest Dairy Products Corp., Du Quoin, Ill. Chocolate coated vanilla ice cream bar. 439,730, July 13, 1948. Restricted. O. G. Apr. 10. Class 46.

Mifflin Chemical Company: *See*—
Mifflin Chemical Corporation.

Mifflin Chemical Corporation, to Mifflin Chemical Company, Philadelphia, Pa. Uterine sedative. 280,104, renewed Feb. 10, 1951. O. G. Apr. 10. Class 18.

Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn. Railroad passenger and freight transportation service. 540,920, Apr. 10; Serial No. 594,651, published Jan. 16, 1951. Class 105.

Minnesota Consolidated Canneries, Inc., Minneapolis, Minn. Canned corn. 283,965–6, renewed June 9, 1951. O. G. Apr. 10. Class 46.

Mirsky, Frederick, doing business as Swedish Imports & Exports Co., San Francisco, Calif. Face creams and hand creams. 282,483, renewed Apr. 21, 1951. O. G. Apr. 10. Class 51.

Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y. Text and cover papers. 540,814, Apr. 10; Serial No. 592,084, published Dec. 5, 1950. Class 37.

Monarch Machine Tool Company, The, Sidney, Ohio. Metal turning lathe. 540,670, Apr. 10; Serial No. 560,824, published Dec. 12, 1950. Class 23.

Morse Sewing Machine and Supply Corp., New York, N. Y. Sewing machines. 540,901, Apr. 10; Serial No. 599,645, published Dec. 5, 1950. Class 23.

Motor Products Corporation, Detroit, Mich., and North Chicago, Ill. Electric water heaters and electric ranges and parts thereof. 540,892, Apr. 10; Serial No. 598,316, published Jan. 9, 1951. Class 21.

Moyer, George, Company, Boston, Mass. Misses' and women's dresses. 540,706, Apr. 10; Serial No. 574,719, published Jan. 16, 1951. Class 39.

Moyer, Walter W., to Walter W. Moyer Company, Ephrata, Pa. Men's, women's, and children's underwear. 281,116, renewed Mar. 10, 1951. O. G. Apr. 10. Class 39.

Moyer, Walter W., Company: *See*—
Moyer, Walter W.

Mueller Brass Co., Port Huron, Mich. Rods, sand castings, and forgings. 283,119, renewed May 19, 1951. O. G. Apr. 10. Class 14.

Municipal Insurance Company, The, Chicago, Ill. Underwriting of life insurance, etc. 540,919, Apr. 10; Serial No. 593,677, published Jan. 16, 1951. Class 102.

Murphy, H. B., Company, Brawley, Calif. Fresh vegetables. 540,823, Apr. 10; Serial No. 592,378, published Dec. 19, 1950. Class 46.

Murphy, H. B., Company, Brawley, Calif. Fresh vegetables. 540,824, Apr. 10; Serial No. 592,379, published Dec. 26, 1950. Class 46.

Nancy Garment Company, Kent, Wash. Babies' diapers and covers therefor. 540,655, Apr. 10; Serial No. 548,096, published Jan. 16, 1951. Class 39.

Nash Inc., Jersey City, N. J. Bill folds, pocketbooks, purses, and wallets. 540,933, Apr. 10; Serial No. 570,982. Class 3.

Nathan Straus-Duparquet, Inc., New York, N. Y. Silver-plated flatware. 540,906, Apr. 10; Serial No. 603,266, published Jan. 30, 1951. Class 28.

National Auto Glass Specifications: *See*—
Tracy, Madison H.

National Blank Book Company, Holyoke, Mass. Loose leaf binders. 540,651, Apr. 10; Serial No. 546,017, published Dec. 26, 1950. Class 37.

National Broadcasting Company, Inc., New York, N. Y. Radio program broadcasting. 540,913, Apr. 10; Serial No. 556,904, published Jan. 16, 1951. Class 104.

National Carbon Company, Inc.: *See*—
Union Carbide and Carbon Corporation.

National Carbon Company, Inc., to Union Carbide and Carbon Corporation, New York, N. Y. Electric cells and batteries. 282,183, renewed Apr. 14, 1951. O. G. Apr. 10. Class 21.

National Carbon Company, Inc., to Union Carbide and Carbon Corporation, New York, N. Y. Electric cells and batteries. 283,650, renewed June 2, 1951. O. G. Apr. 10. Class 21.

National Co-operatives, Inc., Chicago, Ill. Electrical equipment and appliances. 540,687, Apr. 10; Serial No. 569,089, published Jan. 16, 1951. Class 21.

National Rifle Association of America, Washington, D. C. Services to the members of the association, including individuals and rifle and pistol clubs. 540,908, Apr. 10; Serial No. 528,301, published Jan. 16, 1951. Class 100.

Nerix Watch Caussignac & Jeanneret, Ltd., La Chaux-de-Fonds, Switzerland. Watches, watch movements, and parts of watches. 540,716, Apr. 10; Serial No. 576,819, published Jan. 30, 1951. Class 27.

Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland, to The Nestlé Company, Inc., Colorado Springs, Colo. Cocoa. 82,462, re-renewed June 27, 1951. O. G. Apr. 10. Class 46.

Nestlé Company, Inc., The: *See*—
Nestlé & Anglo-Swiss Condensed Milk Co.

Nicholas Company, The, Hartford, Conn. Carbonator. 540,656, Apr. 10; Serial No. 549,833, published Dec. 5, 1950. Class 23.

Nicholson File Company: *See*— Barnett, G. & H., Company.

Nicholson File Company, Providence, R. I. Files and rasps. 282,489, Apr. 21, 1931. Republished Apr. 10. Class 23.

Nielsen, A. C., Company, Chicago, Ill. Marketing research. 540,910, Apr. 10; Serial No. 544,901, published Jan. 9, 1951. Class 101.

Nielsen, A. C., Company, Chicago, Ill. Marketing research. 540,915, Apr. 10; Serial No. 563,626, published Jan. 9, 1951. Class 101.

Nusite: *See*— Bockman, Ray.

Ohio Brass Company, The, Mansfield, Ohio. Trolley clamps and suspension devices. 540,873, Apr. 10; Serial No. 595,734, published Jan. 16, 1951. Class 21.

Ohio Cheese Products Company, The, to The Ohio Food Products Co., Xenia, Ohio. Candied pickle chips and cheeselike food products, etc. 281,230, renewed Mar. 10, 1951. O. G. Apr. 10. Class 46.

Ohio Food Products Co., The: *See*— Ohio Cheese Products Company, The.

Old Colony Envelope Company, Westfield, Mass. Writing paper and envelopes and wrapping paper. 540,832, Apr. 10; Serial No. 592,831, published Dec. 26, 1950. Class 37.

O'Neil Duro Company, Milwaukee, Wis. Paint enamels, and lacquers. 281,562, renewed Mar. 24, 1951. O. G. Apr. 10. Class 16.

Opekasit, Inc., Hamilton, Ohio. Farm management service. 540,916, Apr. 10; Serial No. 575,081, published Jan. 9, 1951. Class 100.

Oren, Bernard S., doing business as United States Industries, Chicago, Ill. Power driven sanding machines and parts thereof. 540,731, Apr. 10; Serial No. 579,995, published Dec. 12, 1950. Class 23.

Osborn, C., & Company Limited, London, England. Potted meat of fishes. 540,748, Apr. 10; Serial No. 582,383, published Jan. 2, 1951. Class 46.

Oswego Falls Corporation, doing business as Sealright Co., Inc., Fulton, N. Y. Round cans. 540,699, Apr. 10; Serial No. 572,864, published Jan. 16, 1951. Class 2.

Oussani, James J., doing business as The Staplex Company, Brooklyn, N. Y. Power driven stapling machines. 540,853, Apr. 10; Serial No. 594,395, published Jan. 2, 1951. Class 23.

Oxford Filing Supply Co., Inc., Garden City, N. Y. Index cards, index guides, guide cards, etc. 540,785, Apr. 10; Serial No. 589,467, published Dec. 5, 1950. Class 37.

Paillard, E., & Cie, S. A., now by change of name Paillard S. A. (Paillard A. G., Paillard Limited), by Paillard S. A., Sainte-Croix, Switzerland. Projectors for still, silent and sound moving pictures, film cement, etc. 442,763, May 31, 1949. Republished Apr. 10. Classes 5 and 26.

Paillard, S. A.: *See*— Paillard, E., & Cie, S. A.

Paillard S. A. (Paillard A. G., Paillard Limited): *See*— Paillard, E., & Cie, S. A.

Palisade Manufacturing Co., The, to The Arlington Chemical Company, Yonkers, N. Y. Medicinal cordial. 81,166, renewed Mar. 7, 1951. O. G. Apr. 10. Class 18.

Pancro Mirrors, Inc.: *See*— Baxter, Don, Inc.

Pantasote Company, The, Passaic, N. J. Plastic floor coverings. 540,648, Apr. 10; Serial No. 543,320, published Jan. 2, 1951. Class 20.

Parke, Davis & Company, Detroit, Mich. Analgesics, anti-anemics, antibiotics, etc., agents, etc. 540,732, Apr. 10; Serial No. 580,031, published Jan. 9, 1951. Class 18.

Parke, Davis & Company, Detroit, Mich. Inhalant solution. 540,744, Apr. 10; Serial No. 581,888, published Jan. 9, 1951. Class 18.

Parker, Alton N., doing business as Dura Lock Case Manufacturers, Jacksonville, Fla. Wooden crates. 540,650, Apr. 10; Serial No. 544,903, published Jan. 23, 1951. Class 2.

Parmeter, O., doing business as Lanpar Co., Dallas, Tex. Medicinal tablets. 540,866, Apr. 10; Serial No. 595,224, published Jan. 9, 1951. Class 18.

Patchogue-Plymouth Mills Corporation, New York, N. Y. Fabric. 540,766, Apr. 10; Serial No. 586,426, published Jan. 9, 1951. Class 42.

Pepsodent Co., The, Chicago, Ill., to Lever Brothers Company, New York, N. Y. Antiseptics. 283,088, renewed May 19, 1951. O. G. Apr. 10. Class 18.

Philadelphia Dairy Products Company, Inc., by Philadelphia Dairy Products Company, Inc. (1936), Philadelphia, Pa. Ice cream. 281,725, Mar. 24, 1931. Republished Apr. 10. Class 46.

Philadelphia Dairy Products Company, Inc. (1936): *See*— Philadelphia Dairy Products Company, Inc.

Philadelphia Forum, Inc., The, assignor to The Philadelphia Inquirer Charities, Inc., Philadelphia, Pa. Presentation of concerts, lectures, theatrical performances, etc. 540,912, Apr. 10; Serial No. 556,812, published Jan. 9, 1951. Class 107.

Philadelphia Inquirer Charities, Inc., The, assignee: *See*— Philadelphia Forum, Inc., The.

Photo Products Co.: *See*— Knickerbocker, Karl.

Pierce Laboratory, Inc., Raritan, N. J. Wiring sections and appurtenant parts thereof. 540,779, Apr. 10; Serial No. 588,704, published Jan. 9, 1951. Class 21.

Pin Money Brands, Inc.: *See*— Kidd, Ellen G.

Pneumatic Scale Corporation, Limited, Quincy, Mass. Mechanical packaging and bottling machinery. 540,890, Apr. 10; Serial No. 597,862, published Dec. 12, 1950. Class 23.

Porter, H. K., Inc., Somerville, Mass. Tire chain repair tools. 540,938, Apr. 10; Serial No. 587,397. Class 23.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and vegetables. 540,921, Apr. 10; Serial No. 546,791. Class 46.

Precision Scientific Company, Chicago, Ill. Laboratory apparatus. 540,711, Apr. 10; Serial No. 575,158, published Jan. 16, 1951. Class 26.

Pres-On Switch Co., Winston-Salem, N. C. Rotary electric switch. 540,896, Apr. 10; Serial No. 598,811, published Jan. 16, 1951. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Edible vegetable oil. 540,685, Apr. 10; Serial No. 568,659, published Dec. 19, 1950. Class 46.

Providence Braid Company, Pawtucket, R. I. Sleevings for electrical insulation. 540,717, Apr. 10; Serial No. 577,598, published Jan. 16, 1951. Class 21.

Pure Oil Company, The, Chicago, Ill. Services rendered to automobiles, trucks and other automotive vehicles. 540,907, Apr. 10; Serial No. 527,718, published Jan. 9, 1951. Class 103.

Queenee Packing Co.: *See*— Gentile, Laurence.

Quick-Set, Incorporated, Chicago, Ill. Photographic tripods and pan heads. 540,870, Apr. 10; Serial No. 595,621, published Jan. 9, 1951. Class 26.

Quick-Set, Incorporated, Chicago, Ill. Photographic tripods. 540,871–2, Apr. 10; Serial Nos. 595,622–3, published Jan. 9, 1951. Class 26.

Radion Corporation, The, Chicago, Ill. Antennas for television sets. 540,857–8, Apr. 10; Serial Nos. 594,493–4, published Jan. 16, 1951. Class 21.

Ranger Joe, Inc., Chester, Pa. Wheat in puffed or popped form coated with sugar. 540,628, Apr. 10; Serial No. 517,325, published Jan. 2, 1951. Class 46.

Rauland Corporation, The, Chicago, Ill. Cathode ray tubes and photo-electric cells. 540,730, Apr. 10; Serial No. 579,758, published Jan. 16, 1951. Class 21.

Reeves Pulley Company, Columbus, Ind. Variable speed power units. 540,777, Apr. 10; Serial No. 588,657, published Dec. 5, 1950. Class 23.

Reliance Electric and Engineering Company, The, Cleveland, Ohio. Electric motors, electric generators, etc. 540,882, Apr. 10; Serial No. 597,015, published Jan. 16, 1951. Class 21.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Firearms. 279,904, renewed Feb. 3, 1951. O. G. Apr. 10. Class 9.

Republic Pictures Corporation, New York, N. Y. Motion pictures and motion picture film. 540,875, Apr. 10; Serial No. 595,915, published Jan. 2, 1951. Class 26.

Research Industries: *See*— Tufts, William F.

Rimmel, Inc., New York, N. Y. Eyebrow pencils, mascara cosmetic, eye shadow, etc. 540,942, Apr. 10; Serial No. 597,415. Class 51.

Roberson, L. N., Co., Seattle, Wash. Insulated electric heating cable. 540,891, Apr. 10; Serial No. 598,274, published Jan. 16, 1951. Class 21.

Robotron Corporation, Detroit, Mich. Timing apparatus. 540,738, Apr. 10; Serial No. 580,621, published Jan. 16, 1951. Class 21.

Rogers, Lunt & Bowlen Company, doing business as Lunt Silversmiths, Greenfield, Mass. Knives, forks, spoons, etc. 540,743, Apr. 10; Serial No. 581,619, published Jan. 30, 1951. Class 28.

Romano, Jacques, doing business as The Jamol Co., New York, N. Y. Massaging creams, perfumes, anoint oil, etc. 540,630, Apr. 10; Serial No. 584,777, published Dec. 5, 1950. Class 51.

Ronay, Inc., New York, N. Y. Ladies' handbags, pocketbooks, purses, wallets, etc. 540,937, Apr. 10; Serial No. 586,435. Class 3.

Roneo Limited, London, England. Duplicating machines and their parts, duplicating apparatus, etc. 540,792, Apr. 10; Serial No. 590,285, published Dec. 12, 1950. Class 23.

Rose-Derry Company, Newton, Mass. Mattresses, and infants' pads. 540,689, Apr. 10; Serial No. 570,580, published Feb. 28, 1950. Class 32.

Rossi, Ruth, doing business as Glow Products, assignor to Bramas Trading Corporation, New York, N. Y. Chemically treated polishing cloth. 540,932, Apr. 10; Serial No. 589,100. Class 29.

Rotary Lift Company, Memphis, Tenn. Automobile, bus, and truck servicing lifts and parts thereof. 540,645, Apr. 10; Serial No. 539,904, published Dec. 26, 1950. Class 23.

Russell Index Company, Pittsburgh, Pa. Indexes. 540,686, Apr. 10; Serial No. 568,671, published Dec. 5, 1950. Class 37.

Saben Glass Company, New York, N. Y. Silver plated flatware, and sterling silver flatware. 540,876, Apr. 10; Serial No. 596,197, published Jan. 30, 1951. Class 28.

Samson United Corporation, Rochester, N. Y. Electric fans and electric heating devices. 540,683, Apr. 10; Serial No. 567,926, published Jan. 9, 1951. Class 21.

Sandy Hill Iron & Brass Works, The, Hudson Falls, N. Y. Stock mixing machine. 540,665, Apr. 10; Serial No. 559,387, published Jan. 9, 1951. Class 23.

Schafer Company, Inc., The, Decatur, Ind. Gloves. 540,815, Apr. 10; Serial No. 592,103, published Jan. 16, 1951. Class 39.

Schering Corporation, Bloomfield, N. J. Pharmaceutical preparation. 540,718, Apr. 10; Serial No. 577,737, published Jan. 9, 1951. Class 18.

Schering Corporation, Bloomfield, N. J. Preparation of undecylenic acid. 540,719, Apr. 10; Serial No. 577,743, published Jan. 9, 1951. Class 18.

Schering Corporation, Bloomfield, N. J. Aluminum phosphate for medicinal hormone preparations. 540,745, Apr. 10; Serial No. 581,905, published Jan. 16, 1951. Class 18.

Schieffelin & Company, New York, N. Y. Olive oil. 280,934, renewed Mar. 3, 1951. O. G. Apr. 10. Class 46.

Scully Signal Company, Cambridge, Mass. Temperature controlled valves. 540,880, Apr. 10; Serial No. 596,526, published Jan. 2, 1951. Class 26.

Sealright Co., Inc.: *See*— Oswego Falls Corporation.

Sears, Roebuck and Co., Chicago, Ill. Corsetry. 540,865, Apr. 10; Serial No. 595,158, published Jan. 16, 1951. Class 39.

Servomechanisms, Inc., Mineola, N. Y. Electric circuit interrupters. 540,864, Apr. 10; Serial No. 595,096, published Jan. 16, 1951. Class 21.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Muscle relaxant. 540,868, Apr. 10; Serial No. 595,564, published Jan. 9, 1951. Class 18.

Shepard Elevator Company, The, Cincinnati, Ohio. Electrically operated elevating chairs. 540,867, Apr. 10; Serial No. 595,437, published Jan. 16, 1951. Class 21.

Sherman Manufacturing Co., by Sherman Manufacturing Co., Orange, N. J. House dresses for women and aprons. 277,091, Nov. 4, 1930. Republished Apr. 10. Class 39.

Sherman Paper Products Corporation, Newton, Mass. Corrugated paper liners. 540,826, Apr. 10; Serial No. 592,437, published Dec. 5, 1950. Class 37.

Sigma Theta Epsilon Fraternity, Stillwater, Okla. Fraternity pins, finger rings, buttons and badges. 540,770, Apr. 10; Serial No. 587,133, published Jan. 30, 1951. Class 28.

Silvertone Process Corporation, to Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat, or boards used in stereotyping or electrotyping, etc. 279,196, renewed Jan. 13, 1951. O. G. Apr. 10. Class 50.

Smith Gates Corporation, The, Plainville, Conn. Flexible heating tapes. 540,696, Apr. 10; Serial No. 572,215, published Jan. 9, 1951. Class 21.

Smith, Kline & French Laboratories: *See*— Associated Physicians Laboratories Ltd. Kline & French Company.

Smith & Underwood, Royal Oak, Mich. Thermometers. 540,852, Apr. 10; Serial No. 594,337, published Dec. 5, 1950. Class 26.

Sovereign Pocahontas Company, Bluefield, W. Va., and New York, N. Y., to Sovereign Pocahontas Company, Bluefield, W. Va. Coal. 284,359, renewed June 23, 1951. O. G. Apr. 10. Class 1.

Spir-It, Inc., Malden, Mass. Non-metallic muddlers. 540,897, Apr. 10; Serial No. 598,871, published Dec. 5, 1950. Class 23.

Spotlite Record Manufacturing Corp., New York, N. Y. Grooved phonograph records. 540,700, Apr. 10; Serial No. 572,872, published Jan. 16, 1951. Class 36.

Springs Cotton Mills, The, Lancaster, S. C. Cotton fabrics. 540,850, Apr. 10; Serial No. 594,079, published Jan. 9, 1951. Class 42.

Squibb, E. R., & Sons, New York, N. Y. Antianemic preparations. 540,848, Apr. 10; Serial No. 594,002, published Jan. 16, 1951. Class 18.

Standard Cap and Seal Corporation, Chicago, Ill. Coated paper. 540,801, Apr. 10; Serial No. 591,116, published Jan. 2, 1951. Class 37.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Liquid floor wax. 277,191, renewed Nov. 11, 1950. O. G. Apr. 10. Class 16.

Standard Varnish Works, Staten Island, N. Y. Enamel used for insulating magnet wire. 540,833, Apr. 10; Serial No. 592,849, published Jan. 9, 1951. Class 21.

Staplex Company, The: *See*— Oussani, James J.

Stereocrafters, Inc., Milwaukee, Wis. Cameras. 540,889, Apr. 10; Serial No. 597,709, published Dec. 26, 1950. Class 26.

Stoddard, G. S., & Co., Inc., New York, N. Y. Dietary supplement. 540,695, Apr. 10; Serial No. 572,069, published Jan. 9, 1951. Class 18.

Stoddard, G. S., & Co., Inc., New York, N. Y. Palatable antitussive. 540,713, Apr. 10; Serial No. 576,236, published Jan. 9, 1951. Class 18.

Swank, Miss, Inc., New York, N. Y. Long pajama coats and short nightgowns. 540,703, Apr. 10; Serial No. 573,386, published Jan. 16, 1951. Class 39.

Swedish Imports & Exports Co.: *See*— Miraky, Frederick.

Swift & Company: *See*— Clover Green Dairies, Inc.

T.I.M. (Ticket-Issue Machines) Limited, Cirencester, Gloucestershire, England. Machines for printing, registering, and issuing tickets, stamps, and labels. 540,759, Apr. 10; Serial No. 584,213, published Jan. 9, 1951. Class 26.

Talk-A-Phone Co., Chicago, Ill. Interoffice and interplant telephonic communication apparatus. 540,806, Apr. 10; Serial No. 591,441, published Jan. 9, 1951. Class 21.

Tanbro Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 540,827, Apr. 10; Serial No. 592,526, published Jan. 2, 1951. Class 42.

Tanbro Fabrics Corp., New York, N. Y. Rayon, cotton, linen, etc., fabrics. 540,847, Apr. 10; Serial No. 593,841, published Jan. 9, 1951. Class 42.

Tapecoat Company, The, Evanston, Ill. Protective coating. 533,965, Nov. 28, 1950. Corrected.—O. G. Apr. 10. Class 12.

Tappan Stove Company, The, Mansfield, Ohio. Control panels, signaling means, and a cooking chart. 540,658, Apr. 10; Serial No. 550,855, published Dec. 26, 1950. Class 26.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Metal cans and metal buckets. 540,724, Apr. 10; Serial No. 579,062, published Jan. 23, 1951. Class 2.

Telesine Antenna Corporation, assignee: *See*— Antony, William E.

Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. 540,900, Apr. 10; Serial No. 599,280, published Dec. 26, 1950. Class 26.

Tessier & Weiss, Inc., Newark, N. J. Finger rings, gem mountings, and parts thereof. 540,869, Apr. 10; Serial No. 595,570, published Jan. 30, 1951. Class 28.

Tested Papers of America, Inc., Chicago, Ill. Toilet tissue, wax paper, paper napkins, etc. 380,443, Aug. 20, 1940. Republished Apr. 10. Class 37.

Testrite Instrument Co. Inc.: *See*— Testrite Instrument Company.

Testrite Instrument Company, to Testrite Instrument Co. Inc., New York, N. Y. Swingable base support for optical photographic, scientific apparatus. 280,018, renewed Feb. 10, 1951. O. G. Apr. 10. Class 26.

Testrite Instrument Company, to Testrite Instrument Co. Inc., New York, N. Y. Portable adjustable supports for optical, photographic, scientific apparatus. 280,019, renewed Feb. 10, 1951. O. G. Apr. 10. Class 26.

Thomas & Betts Co., The, Elizabeth, N. J. Couplings for electrical conduits. 540,653, Apr. 10; Serial No. 547,050, published Jan. 9, 1951. Class 21.

Thomas Electronics, Inc., Passaic, N. J. Cathode-ray tubes. 540,750, Apr. 10; Serial No. 582,450, published Jan. 16, 1951. Class 21.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 540,776, Apr. 10; Serial No. 588,337, published Jan. 2, 1951. Class 42.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 540,778, Apr. 10; Serial No. 588,663, published Jan. 9, 1951. Class 42.

Thomaston Cotton Mills, Thomaston, Ga. Bed sheets. 540,784, Apr. 10; Serial No. 589,397, published Jan. 2, 1951. Class 42.

Thompson, O. E., & Sons, Ypsilanti, Mich. Grass and grain seeders, distributors, broadcasters and spreaders, etc. 540,644, Apr. 10; Serial No. 539,105, published Dec. 12, 1950. Class 23.

Tobin, R. R., Tobacco Co., Detroit, Mich. Cigarettes. 540,736, Apr. 10; Serial No. 580,269, published Jan. 9, 1951. Class 17.

Toledo Scale Company, Toledo, Ohio. Weighing scales; dynamometer scales; machines for testing physical characteristics of materials, etc. 540,633, Apr. 10; Serial No. 526,794, published July 18, 1950. Class 26.

Topic Toys: *See*— Trager, David C.

Tostevin, Walter C., Mandan, N. Dak. Electrical directional head lamps. 540,758, Apr. 10; Serial No. 583,300, published Jan. 9, 1951. Class 21.

Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware, hollow-ware and table cutlery. 540,881, Apr. 10; Serial No. 596,540, published Jan. 30, 1951. Class 28.

Tracy, Madison H., doing business under the assumed name of National Auto Glass Specifications, Detroit, Mich. Apparatus in the form of cabinet and film projector. 540,722, Apr. 10; Serial No. 578,298, published Jan. 9, 1951. Class 26.

Trager, David C., doing business as Topic Toys, Chicago, Ill. Children's feeding device designed primarily for an amusement toy. 540,723, Apr. 10; Serial No. 578,468, published Dec. 5, 1950. Class 22.

Trebor Knitting Mills, Inc., New York, N. Y. Men's, ladies' and children's knitted underwear. 540,862, Apr. 10; Serial No. 594,872, published Jan. 16, 1951. Class 39.

Tri-State Plastic Molding Co., Henderson, Ky. Plastic boxes. 540,739, Apr. 10; Serial No. 580,760, published Jan. 16, 1951. Class 2.

Tufts, William F., doing business as Research Industries, Atlanta, Ga. Slip resistant pants guard made of paper. 540,791, Apr. 10; Serial No. 590,113, published Dec. 12, 1950. Class 37.

Union Carbide and Carbon Corporation: *See*— National Carbon Company, Inc.

Union Carbide and Carbon Corporation, New York, N. Y., now by merger with National Carbon Company, Inc. Plastic utility bags and receptacles. 540,701, Apr. 10; Serial No. 572,991, published Jan. 16, 1951. Class 2.

United Conveyor Corporation, Chicago, Ill. Rough and semifinished iron alloy castings. 284,285, renewed June 23, 1951. O. G. Apr. 10. Class 14.

United Mail Order House, New York, N. Y. Women's suits, coats, skirts, etc. 540,676, Apr. 10; Serial No. 564,248, published Jan. 16, 1951. Class 39.

United States Industries: *See*— Oren, Bernard S.

United States Rubber Company: *See*— Federal Rubber Company, The. Fisk Rubber Company, The.

Uphouse, Sam C., doing business as Foto-Rule Company, Monrovia, Calif. Steel tape rule device. 540,936, Apr. 10; Serial No. 582,452. Class 26.

Valencia Heights Orchards Association, Covina, Calif. Fresh citrus fruits. 540,926, Apr. 10; Serial No. 560,305. Class 46.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemically-prepared deodorants, and perfumes. 283,790, renewed June 9, 1951. O. G. Apr. 10. Class 6.

Van Houten, C. J., & Zoon: *See*— Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon.

Vaughn Machinery Company, The, Cuyahoga Falls, Ohio. Wire drawing machines, Wire-grinding machines, etc. 540,898, Apr. 10; Serial No. 590,133, published Jan. 2, 1951. Class 23.

Verbrugge, Henry A., Port Washington, N. Y. Bar spoons. 540,688, Apr. 10; Serial No. 569,495, published Dec. 5, 1950. Class 23.

Verdolyack, A. G., Inc., Minneapolis, Minn. Paper sheeting. 540,786, Apr. 10; Serial No. 589,749, published Dec. 12, 1950. Class 37.

Victoria Silk Press, Incorporated, St. Louis, Mo. Imprinting, stenciling, and imparting by silk screen process designs, lettering, and combinations of the same on fabrics. 540,914, Apr. 10; Serial No. 558,605, published Jan. 16, 1951. Class 106.

Visking Corporation, The, Chicago, Ill. Thin film made of plastic. 540,794, Apr. 10; Serial No. 590,471, published Dec. 12, 1950. Class 37.

Vue Matic Company, Providence, R. I. Bookkeeping and pay-roll forms. 540,788, Apr. 10; Serial No. 589,818, published Dec. 12, 1950. Class 37.

Wagner, Harry A., Hollywood, Calif. Spices, herbs, food seasonings; etc. 540,782, Apr. 10; Serial No. 589,179, published Dec. 26, 1950. Class 46.

Wahl Company, The, by Eversharp, Inc., Chicago, Ill. Fountain pens. 277,652, Nov. 25, 1930. Republished Apr. 10. Class 37.

Waldron, B. R., & Sons Company, Califon, N. J. Fresh milk, cheese, fresh cream, and fluid buttermilk. 540,678, Apr. 10; Serial No. 566,371, published Jan. 9, 1951. Class 46.

Wallace & Tiernan Products, Inc., Belleville, N. J. Instruments for measuring and recording water temperature. 540,721, Apr. 10; Serial No. 578,179, published Dec. 5, 1950. Class 26.

Walnut Hosiery Mills, Inc., Shamokin, Pa. Hosiery. 540,818, Apr. 10; Serial No. 592,238, published Jan. 16, 1951. Class 39.

Weber Manufacturing Co.: *See*— Kenroe, Inc.

Weber, Vernal H.: *See*— Kenroe, Inc.

West Disinfecting Company, Long Island City, N. Y. Paper towels. 540,663, Apr. 10; Serial No. 555,580, published Jan. 2, 1951. Class 37.

West Virginia Pulp and Paper Company, New York, N. Y. Book papers, writing papers, printing papers, etc. 540,666, Apr. 10; Serial No. 559,410, published Dec. 19, 1950. Class 37.

Western Dairy Products, Inc., San Francisco, Calif. Fresh eggs. 540,642, Apr. 20; Serial No. 536,855, published Dec. 19, 1950. Class 46.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, account, data and order books, etc. 444,467, Apr. 10; Serial No. 526,036, published Dec. 5, 1950. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Notebook filler paper. 444,468, Apr. 10; Serial No. 526,126, published July 5, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 540,631, Apr. 10; Serial No. 526,029, published Dec. 19, 1950. Class 37.

Western Electrical Instrument Corporation, Newark, N. J. Exposure meters. 540,627, Apr. 10; Serial No. 515,346, published Oct. 25, 1949. Class 26.

Weston Electrical Instrument Corporation, Newark, N. J. Exposure meters. 540,626, Apr. 10; Serial No. 515,242, published Oct. 11, 1949. Class 26.

White, H. N., Company, The, Cleveland, Ohio. Wind instruments; and string instruments. 540,620, Apr. 10; Serial No. 503,146, published Jan. 16, 1951. Class 36.

White Laboratories, Inc., Newark, N. J. Buffered penicillin G powder. 540,746, Apr. 10; Serial No. 582,116, published Jan. 9, 1951. Class 18.

White Laboratories, Inc., Newark, N. J. Buffered penicillin G powder. 540,753, Apr. 10; Serial No. 582,545, published Jan. 16, 1951. Class 18.

White Star Mills, Staunton, Va. Wheat flour. 540,639, Apr. 10; Serial No. 534,071, published May 9, 1950. Class 46.

Wilkor Products, Inc., Cleveland, Ohio. Electrical resistance units, parts thereof, and attachments therefor. 540,712, Apr. 10; Serial No. 575,317, published Jan. 16, 1951. Class 21.

Winterbottom Book Cloth Company Limited, The, Manchester, England. Tracing cloth. 540,673, Apr. 10; Serial No. 561,964, published Jan. 9, 1951. Class 37.

Wintersmith Chemical Co.: *See*— Wintersmith Medicine Co., The.

Wintersmith Medicine Co., The, to Wintersmith Chemical Co., Louisville, Ky. Tonics. 36,635, re-renewed June 25, 1951. O. G. Apr. 10. Class 18.

Wood Construction Publishing Co., The, Xenia, Ohio. Periodical. 275,825, Sept. 30, 1930. Republished Apr. 10. Class 38.

Woods, Cyril, New York, N. Y. Costume jewelry. 540,888, Apr. 10; Serial No. 597,426, published Jan. 16, 1951. Class 28.

Woolworth, F. W., Co., New York, N. Y. Sewing, embroidery, pocket, and buttonhole scissors. 540,940, Apr. 10; Serial No. 596,140. Class 23.

Youngstown Optical Company, The, Youngstown, Ohio. Opticians' services. 540,917, Apr. 10; Serial No. 584,600, published Jan. 9, 1951. Class 106.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Sovereign Pocahontas Company. 284,359, renewed June 23, 1951. O. G. Apr. 10.

Seeds, Coated. Ferry-Morse Seed Co. 540,707, Apr. 10; Serial No. 575,134, published Oct. 11, 1949.

CLASS 2

Bags. Joe Lowe Corporation. 540,737, Apr. 10; Serial No. 580,306, published Jan. 16, 1951.

Bags and receptacles, Plastic utility. Union Carbide and Carbon Corporation. 540,701, Apr. 10; Serial No. 572,991, published Jan. 16, 1951.

Bags, Empty confectionery. Joe Lowe Corporation. 540,761, Apr. 10; Serial No. 584,683, published Jan. 16, 1951.

Bags, Garment storage. Manahan Moth Paper Company. 540,675, Apr. 10; Serial No. 563,748, published Jan. 16, 1951.

Bags, Laundry net. The American Associated Companies. 540,760, Apr. 10; Serial No. 584,563, published Jan. 23, 1951.

Bags, Paper carry. Equitable Paper Bag Co., Inc. 540,681, Apr. 10; Serial No. 567,690, published Jan. 16, 1951.

Boxes, Plastic. Tri-State Plastic Molding Co. 540,739, Apr. 10; Serial No. 580,760, published Jan. 16, 1951.

Cans, Metal, and metal buckets. Tarrant Manufacturing Compnay. 540,724, Apr. 10; Serial No. 579,062, published Jan. 23, 1951.

Cans, Milk, dairy pails, and stock tanks. Gamble-Skogmo, Inc. 540,808, Apr. 10; Serial No. 591,478, published Jan. 23, 1951.

Cans, Round. Oswego Falls Corporation. 540,699, Apr. 10; Serial No. 572,864, published Jan. 16, 1951.

Coverings, Moisture absorbing and temperature retaining fabric. Fidelity Machine Company, Inc. 540,647, Apr. 10; Serial No. 542,107, published Jan. 16, 1951.

Crates, Wooden. A. N. Parker. 540,650, Apr. 10; Serial No. 544,903, published Jan. 23, 1951.

Merchandise envelopes. Alexander Herz Co., Inc. 540,674, Apr. 10; Serial No. 562,897, published Jan. 16, 1951.

Receptacles. Frost Mfg. Co. 540,640, Apr. 10; Serial No. 535,947, published Jan. 16, 1951.

Stands or racks, Portable. The Hopp Press, Inc. 540,705, Apr. 10; Serial No. 573,946, published Jan. 23, 1951.

Trays and covers, etc., Serving. Hawley Products Company. 540,749, Apr. 10; Serial No. 582,424, published Jan. 16, 1951.

CLASS 3

Bill folds, pocketbooks, purses, and wallets. Nash Inc. 540,933, Apr. 10; Serial No. 570,982.

Handbags, pocketbooks, purses, wallets, etc., Ladies'. Bonay, Inc. 540,937, Apr. 10; Serial No. 586,435.

Hatboxes. John Cavanagh, Ltd. 270,983, May 20, 1930. Republished Apr. 10.

CLASS 5

Projectors for still, silent, and sound moving pictures, film cement, etc. E. Paillard & Cie, S. A. 442,763, May 31, 1949. Republished Apr. 10.

CLASS 6

Biological stain. Allied Chemical & Dye Corporation. 540,854, Apr. 10; Serial No. 594,424, published Jan. 16, 1951.

Chemicals. E. I. du Pont de Nemours and Company. 278,698, renewed Dec. 30, 1950. O. G. Apr. 10.

Deodorants and perfumes, Chemically-prepared. R. T. Vanderbilt Company, Inc. 283,790, renewed June 9, 1951. O. G. Apr. 10.

Floor treating compound. Wm. H. Kane. 540,934, Apr. 10; Serial No. 572,980.

Insecticides, herbicides, and weedicides. California Spray-Chemical Corporation. 540,939, Apr. 10; Serial No. 594,692.

Methyl-α-naphthaleneacetate. Chipman Chemical Company, Inc. 540,935, Apr. 10; Serial No. 573,117.

CLASS 9

Firearms. Remington Arms Company, Inc. 279,904, renewed Feb. 3, 1951. O. G. Apr. 10.

CLASS 12

Bituminous compounds for waterproofing and caulking purposes. Robert Bowran & Company, Limited. 282,709, renewed Apr. 28, 1951. O. G. Apr. 10.

Cement, Refractory. Botfield Refractories Company. 279,810, renewed Jan. 27, 1951. O. G. Apr. 10.

Coating, Protective. The Tapecoat Company. 533,965, Nov. 28, 1950. Corrected. O. G. Apr. 10.

Insulating material, Glass fiber. Malanco, Inc. 540,927, Apr. 10; Serial No. 562,716.

Plastic material of paintlike consistency. M. J. Merkin Paint Co., Inc. 540,931, Apr. 10; Serial No. 567,643.

CLASS 14

Iron alloy castings, Rough and semifinished. United Conveyor Corporation. 284,285, renewed June 23, 1951. O. G. Apr. 10.

Rods, sand castings, and forgings. Mueller Brass Co. 283,119, renewed May 19, 1951. O. G. Apr. 10.

CLASS 16

Paint and varnish remover, Liquid. Keystone Varnish Company. 537,089, Jan. 30, 1951. New certificate. O. G. Apr. 10.

Paint enamels, and lacquers. O'Neil Duro Company. 281,562, renewed Mar. 24, 1951. O. G. Apr. 10.

Paint, varnish, lacquer; etc. General Paint Corporation. 284,176, renewed June 16, 1951. O. G. Apr. 10.

Paints. Cook Paint & Varnish Company. 282,265, Apr. 14, 1931. Republished Apr. 10.

Varnishes and mixed paint. David Bernhardt Print Company, Ltd. 82,200, re-renewed June 13, 1951. O. G. Apr. 10.

Wax, Liquid floor. Standard Oil Company of California. 277,191, renewed Nov. 11, 1950. O. G. Apr. 10.

CLASS 17

Cigarettes. The American Tobacco Company. 540,860, Apr. 10; Serial No. 594,740, published Jan. 9, 1951.

Cigarettes. R. R. Tobin Tobacco Co. 540,736, Apr. 10; Serial No. 580,269, published Jan. 9, 1951.

CLASS 18

Aluminum phosphate for medicinal hormone preparations. Schering Corporation. 540,745, Apr. 10; Serial No. 581,905, published Jan. 16, 1951.

Analgesics, anti-anemics, anti-biotics, etc., agents, etc. Parke, Davis & Company. 540,732, Apr. 10; Serial No. 580,031, published Jan. 9, 1951.

Antianemic preparations. E. R. Squibb & Sons. 540,848, Apr. 10; Serial No. 594,002, published Jan. 16, 1951.

Anti-histamine preparations. Jamieson Pharmacal Company. 540,825, Apr. 10; Serial No. 592,428, published Jan. 16, 1951.

Antiseptics. The Pepsodent Co. 283,088, renewed May 19, 1951. O. G. Apr. 10.

Antitussive, Palatable. G. S. Stoddard & Co., Inc. 540,713, Apr. 10; Serial No. 576,236, published Jan. 9, 1951.

Castor oil, Sulphonated. Bick and Company, Inc. 278,774, renewed Dec. 30, 1950. O. G. Apr. 10.

Dietary supplement. G. S. Stoddard & Co., Inc. 540,695, Apr. 10; Serial No. 572,069, published Jan. 9, 1951.

Inhalant solution. Parke, Davis & Company. 540,744, Apr. 10; Serial No. 581,888, published Jan. 9, 1951.

Medicinal cordial. The Palisade Manufacturing Co. 81,166, renewed Mar. 7, 1951. O. G. Apr. 10.

Medicinal products. Ayerst, McKenna & Harrison Limited. 540,735, Apr. 10; Serial No. 580,181, published Jan. 9, 1951.

Medicinal tablets. O. Parmeter. 540,866, Apr. 10; Serial No. 595,224, published Jan. 9, 1951.

Muscle relaxant. Sharp & Dohme, Incorporated. 540,868, Apr. 10; Serial No. 595,564, published Jan. 9, 1951.

Penicillin G powder, Buffered. White Laboratories, Inc. 540,746, Apr. 10; Serial No. 582,116, published Jan. 9, 1951.

Penicillin G powder, Buffered. White Laboratories, Inc. 540,753, Apr. 10; Serial No. 582,545, published Jan. 16, 1951.

Pharmaceutical preparation. Schering Corporation. 540,718, Apr. 10; Serial No. 577,737, published Jan. 9, 1951.

Preparation of a semifluid nature for application to the mucous membrane and skin. McKesson & Robbins. 35,841, re-renewed Jan. 29, 1951. O. G. Apr. 10.

Preparation of undecylenic acid. Schering Corporation. 540,719, Apr. 10; Serial No. 577,743, published Jan. 9, 1951.

Sedative, Uterine. Mifflin Chemical Corporation. 280,104, renewed Feb. 10, 1951. O. G. Apr. 10.

Stimulant tablets, Liver and bowel, medicated hygienic wash tablets, etc. Dr. Margaret Livingston Co. 280,315, Feb. 10, 1931. Republished Apr. 10.

Tonic, General. Associated Physicians Laboratories Ltd. 283,851, renewed June 9, 1951. O. G. Apr. 10.

Tonics. The Wintersmith Medicine Co. 36,635, re-renewed June 25, 1951. O. G. Apr. 10.

CLASS 20— ———

Floor coverings, Plastic. The Pantasote Company. 540,648, Apr. 10; Serial No. 543,320, published Jan. 2, 1951.

CLASS 21

Antennas for television sets. The Radion Corporation. 540,857–8, Apr. 10; Serial Nos. 594,493–4, published Jan. 16, 1951.

Antennas, Television receiving, point to point communication antennas, etc. W. E. Antony. 540,820, Apr. 10; Serial No. 592,244, published Jan. 9, 1951.

Cable, Insulated electric heating. L. N. Roberson Co. 540,891, Apr. 10; Serial No. 598,274, published Jan. 16, 1951.

Cells and batteries, Electric. National Carbon Company, Inc. 282,183, renewed Apr. 14, 1951. O. G. Apr. 10.

Cells and batteries, Electric. National Carbon Company, Inc. 283,650, renewed June 2, 1951. O. G. Apr. 10.

Circuit breakers, switchgear, relays, etc. I-T-E Circuit Breaker Company. 540,694, Apr. 10; Serial No. 571,969, published Jan. 9, 1951.

Circuit interrupters, Electric. Servomechanisms, Inc. 540,864, Apr. 10; Serial No. 595,096, published Jan. 16, 1951.

Communication apparatus, Interoffice and interplant telephonic. Talk-A-Phone Co. 540,806, Apr. 10; Serial No. 591,441, published Jan. 9, 1951.

Contact clamps, Magnetic grounding. L. J. Ebert. 540,729, Apr. 10; Serial No. 579,676, published Jan. 9, 1951.

Core binder tape, mica backing, shielding tape, etc. Facile Corporation. 540,764, Apr. 10; Serial No. 585,579, published Jan. 9, 1951.

Couplings for electrical conduits. The Thomas & Betts Co. 540,653, Apr. 10; Serial No. 547,050, published Jan. 9, 1951.

Electric saws, Hand portable. The Black and Decker Manufacturing Company. 540,800, Apr. 10; Serial No. 590,797, published Jan. 9, 1951.

Electrical control and actuating apparatus. The Macston Corporation. 540,725, Apr. 10; Serial No. 579,283, published Jan. 16, 1951.

Electrical equipment and appliances. National Co-operatives, Inc. 540,687, Apr. 10; Serial No. 569,089, published Jan. 16, 1951.

Electrically operated elevating chairs. The Shepard Elevator Company. 540,867, Apr. 10; Serial No. 595,437, published Jan. 16, 1951.

Enamel used for insulating magnet wire. Standard Varnish Works. 540,833, Apr. 10; Serial No. 592,849, published Jan. 9, 1951.

Fans, Electric, and electric heating devices. Samson United Corporation. 540,683, Apr. 10; Serial No. 567,926, published Jan. 9, 1951.

Heaters, Electric water, and electric ranges and parts thereof. Motor Products Corporation. 540,892, Apr. 10; Serial No. 598,316, published Jan. 9, 1951.

Heating tapes, Flexible. The Smith Gates Corporation. 540,696, Apr. 10; Serial No. 572,215, published Jan. 9, 1951.

Ignition replacement parts, Automotive. American Motor Products Company. 540,878–9, Apr. 10; Serial Nos. 596,317–18, published Jan. 16, 1951.

Insulating tape, Electrical. Bishop Gutta-Percha Company. 540,697, Apr. 10; Serial No. 572,715, published Jan. 16, 1951.

Lamps, Electrical directional head. W. C. Tostevin. 540,758, Apr. 10; Serial No. 583,300, published Jan. 9, 1951.

Lamps, Incandescent, and starter switches. Dura Electric Lamp Co., Inc. 540,660, Apr. 10; Serial No. 552,848, published Jan. 9, 1951.
Light board, Electric dial. Corvek Servicemaster, Inc. 540,698, Apr. 10; Serial No. 572,725, published Jan. 9, 1951.
Lighting fixtures of all kinds, Electric. The Benjamin Electric Limited. 540,692, Apr. 10; Serial No. 571,250, published Jan. 16, 1951.
Motors, Electric, electric generators, etc. The Reliance Electric and Engineering Company. 540,882, Apr. 10; Serial No. 597,015, published Jan. 16, 1951.
Plastic parts for electrical devices. Lance Manufacturing Company. 540,708, Apr. 10; Serial No. 575,146, published Jan. 16, 1951.
Protective containers, Hermetically sealed. Electro-Seal Corporation. 540,714, Apr. 10; Serial No. 576,255, published Jan. 9, 1951.
Receiving sets, Radio. Acousticraft Corporation. 540,726, Apr. 10; Serial No. 579,469, published Jan. 16, 1951.
Receiving sets, Television, electric phonographs and television, radio and phonograph combinations. The Associated Merchandising Corporation. 540,859, Apr. 10; Serial No. 594,686, published Jan. 16, 1951.
Resistance units, Electrical, parts thereof, and attachments therefor. Wilkor Products, Inc. 540,712, Apr. 10; Serial No. 575,317, published Jan. 16, 1951.
Resurfacing machine, Electrical portable. The Blockmaster, Inc. 540,741, Apr. 10; Serial No. 581,466, published Jan. 16, 1951.
Signs and display units, Electrical point-of-sale advertising. The Adsplay Co. 540,804, Apr. 10; Serial No. 591,340, published Jan. 16, 1951.
Sleevings for electrical insulation. Providence Braid Company. 540,717, Apr. 10; Serial No. 577,598, published Jan. 16, 1951.
Stoves, Electric. International Appliance Corporation. 540,877, Apr. 10; Serial No. 596,282, published Jan. 16, 1951.
Switch, Rotary electric. Pres-On Switch Co. 540,896, Apr. 10; Serial No. 598,811, published Jan. 16, 1951.
Timing apparatus. Robotron Corporation. 540,738, Apr. 10; Serial No. 580,621, published Jan. 16, 1951.
Transformers and parts thereof. Allis-Chalmers Manufacturing Company. 540,895, Apr. 10; Serial No. 598,697, published Jan. 16, 1951.
Trolley clamps and suspension devices. The Ohio Brass Company. 540,873, Apr. 10; Serial No. 595,734, published Jan. 16, 1951.
Tubes, Cathode-ray. Thomas Electronics, Inc. 540,750, Apr. 10; Serial No. 582,450, published Jan. 16, 1951.
Tubes, Cathode ray, and photo-electric cells. The Rauland Corporation. 540,730, Apr. 10; Serial No. 579,758, published Jan. 16, 1951.
Wiring sections and appurtenant parts thereof. Pierce Laboratory, Inc. 540,779, Apr. 10; Serial No. 588,704, published Jan. 9, 1951.

CLASS 22

Archery bows, archery target stands, badminton rackets, etc. James W. Brine Co. Inc. 540,923, Apr. 10; Serial No. 552,568.
Bowling bags. The Brunswick-Balke-Collender Company. 540,829, Apr. 10; Serial No. 592,601, published Dec. 5, 1950.
Bowling bags. The Brunswick-Balke-Collender Company. 540,830, Apr. 10; Serial No. 592,603, published Dec. 5, 1950.
Dolls. R. H. Macy & Co., Inc. 540,793, Apr. 10; Serial No. 590,320, published Dec. 5, 1950.
Dolls and toy stuffed animals. Ideal Novelty & Toy Co. 540,774, Apr. 10; Serial No. 587,728, published Dec. 5, 1950.
Feeding device designed primarily for an amusement toy, Children's. D. C. Trager. 540,723, Apr. 10; Serial No. 578,468, published Dec. 5, 1950.
Toy dogs. E. Brocato. 540,781, Apr. 10; Serial No. 588,934, published Dec. 5, 1950.
Toy film viewer. Colorscope, Inc. 540,691, Apr. 10; Serial No. 571,072, published Dec. 5, 1950.

CLASS 23

Augers and bits. The Russell Jennings Manufacturing Company. 540,899, Apr. 10; Serial No. 599,245, published Dec. 5, 1950.
Bar spoons. H. A. Verbrugge. 540,688, Apr. 10; Serial No. 569,495, published Dec. 5, 1950.
Carbonator. The Nicholas Company. 540,656, Apr. 10; Serial No. 549,833, published Dec. 5, 1950.
Cleavers and saws, Combination. All-Power Manufacturing Co. 540,941, Apr. 10; Serial No. 596,643.
Compressors, Air. The Jaeger Machine Company. 540,682, Apr. 10; Serial No. 567,740, published Dec. 12, 1950.
Duplicating machines and their parts, duplicating apparatus, etc. Roneo Limited. 540,792, Apr. 10; Serial No. 590,285, published Dec. 12, 1950.
Engines, Internal combustion, and parts therefor, etc. Continental Aviation and Engineering Corporation. 444,462, Apr. 10; Serial No. 499,394, published July 18, 1950.
Files and rasps. G. & H. Barnett Company. 280,022, Feb. 10, 1931. Republished Apr. 10.
Files and rasps. Nicholson File Company. 282,489, Apr. 21, 1931. Republished Apr. 10.
Knives, Pocket. Joe Lowe Corporation. 540,733, Apr. 10; Serial No. 580,073, published Nov. 28, 1950.
Knives, Putty. J. J. Joyce. 540,677, Apr. 10; Serial No. 586,082, published Nov. 28, 1950.
Lathe, Metal turning. The Monarch Machine Tool Company. 540,670, Apr. 10; Serial No. 560,824, published Dec. 12, 1950.
Lifts and parts thereof, Automobile, bus, and truck servicing. Rotary Lift Company. 540,645, Apr. 10; Serial No. 539,904, published Dec. 26, 1950.
Machine needles and awls. Landis Machine Company. 540,634, Apr. 10; Serial No. 528,353, published Dec. 12, 1950.
Machinery, equipment and accessories. Oscar Kohorn & Co., Ltd. 444,463, Apr. 10; Serial No. 510,090, published Jan. 2, 1951.
Machines, Automatic, semi-automatic machines, etc. A-B-C Packing Machine Corporation. 540,641, Apr. 10; Serial No. 536,479, published Nov. 28, 1950.
Muddlers, Non-metallic. Spir-It, Inc. 540,897, Apr. 10; Serial No. 598,871, published Dec. 5, 1950.
Packaging and bottling machinery, Mechanical. Pneumatic Scale Corporation, Limited. 540,890, Apr. 10; Serial No. 597,862, published Dec. 12, 1950.
Power units, Variable speed. Reeves Pulley Company. 540,777, Apr. 10; Serial No. 588,657, published Dec. 5, 1950.
Sanding machines and parts thereof, Power driven. B. S. Oren. 540,731, Apr. 10; Serial No. 579,995, published Dec. 12, 1950.
Scissors and shears. The Clayton Manufacturing Company. 540,838, Apr. 10; Serial No. 593,261, published Dec. 5, 1950.
Scissors, Sewing, embroidery, pocket and buttonhole. F. W. Woolworth Co. 540,940, Apr. 10; Serial No. 596,140.
Seeders, Grass and grain, distributors, broadcasters and spreaders, etc. O. E. Thompson & Sons. 540,644, Apr. 10; Serial No. 539,105, published Dec. 12, 1950.
Sewing machines. Morse Sewing Machine and Supply Corp. 540,901, Apr. 10; Serial No. 599,645, published Dec. 5, 1950.
Sharpening machines. The Fate-Root-Heath Company. 540,702, Apr. 10; Serial No. 573,175, published Jan. 2, 1951.
Stapling machines, Power driven. J. J. Oussani. 540,853, Apr. 10; Serial No. 594,395, published Jan. 2, 1951.
Stock mixing machine. The Sandy Hill Iron & Brass Works. 540,665, Apr. 10; Serial No. 559,387, published Jan. 9, 1951.
Ticket-issuing machines, ticket printing and issuing machines, etc. General Register Corporation. 283,339–40, renewed May 26, 1951. O. G. Apr. 10.
Tools, Steel cutting. R. Bockman. 540,704, Apr. 10; Serial No. 573,866, published Dec. 12, 1950.
Tools, Tire chain repair. H. K. Porter, Inc. 540,938, Apr. 10; Serial No. 587,397.
Wire drawing machines, wire-grinding machines, etc. The Vaughn Machinery Company. 540,898, Apr. 10; Serial No. 599,133, published Jan. 2, 1951.

CLASS 26

Accelerometers and gradometers. Co-Pilot Company. 540,904, Apr. 10; Serial No. 601,713, published Jan. 16, 1951.
Alignment machine and stand, Vehicle front end. Horton Manufacturing Company. 540,679, Apr. 10; Serial No. 567,142, published Jan. 16, 1951.
Apparatus for comparing the speeds of wheels, shafts and other rotating members, etc. American Brake Shoe Company. 540,863, Apr. 10; Serial No. 595,045, published Dec. 26, 1950.
Apparatus in the form of cabinet and film projector. M. H. Tracy. 540,722, Apr. 10; Serial No. 578,298, published Jan. 9, 1951.
Cameras. Alfa Photo Corp. 540,797, Apr. 10; Serial No. 590,728, published Dec. 12, 1950.
Cameras. Ercona Camera Corporation. 540,811, Apr. 10; Serial No. 591,844, published Dec. 26, 1950.
Cameras. Galter Products Co. 540,635, Apr. 10; Serial No. 529,259, published Apr. 27, 1948.
Cameras. Stereocrafters, Inc. 540,889, Apr. 10; Serial No. 597,709, published Dec. 26, 1950.
Cameras, Photographic. Eastman Kodak Company. 540,886, Apr. 10; Serial No. 597,390, published Dec. 12, 1950.
Cameras, Photographic. Eastman Kodak Company. 540,887, Apr. 10; Serial No. 597,391, published Dec. 19, 1950.
Control panels, signaling means, and a cooking chart. The Tappan Stove Company. 540,658, Apr. 10; Serial No. 550,855, published Dec. 26, 1950.
Eyeglasses, sunglasses, lenses, and frames. Gold Medal Hair Products, Inc. 540,884, Apr. 10; Serial No. 597,267, published Jan. 16, 1951.
Filing cases for photographic slides. F. K. Albrecht. 540,740, Apr. 10; Serial No. 581,155, published Dec. 19, 1950.

Gages, Pressure. Consolidated Ashcroft Hancock Company. 284,361, renewed June 23, 1951. O. G. Apr. 10.
Galvanometers, oscillograph recorders, etc. Helland Research Corporation. 540,902, Apr. 10; Serial No. 600,336, published Jan. 2, 1951.
Gauges, Pressure. Clapp Instrument Company. 540,885, Apr. 10; Serial No. 597,385, published Jan. 2, 1951.
Glasses, Eye, eye glass frames, and eye glass lenses. Joseph Hollinger & Co., Inc. 444,464, Apr. 10; Serial No. 516,545, published Dec. 26, 1950.
Glasses, Opera, and binoculars. S. E. Laszlo. 540,883, Apr. 10; Serial No. 597,211, published Dec. 5, 1950.
Instruments for measuring and recording water temperature. Wallace & Tiernan Products, Inc. 540,721, Apr. 10; Serial No. 578,179, published Dec. 5, 1950.
Laboratory apparatus. Precision Scientific Company. 540,711, Apr. 10; Serial No. 575,158, published Jan. 16, 1951.
Lens attachments for incandescent electric bulbs, Magnifying. Fairbridge Co. Incorporated. 540,684, Apr. 10; Serial No. 568,304, published Dec. 12, 1950.
Lenses, Photographic. Eastman Kodak Company. 540,752, Apr. 10; Serial No. 582,526, published Dec. 12, 1950.
Machines for printing, registering, and issuing tickets, stamps, and labels. T. I. M. (Ticket-Issue Machines) Limited. 540,759, Apr. 10; Serial No. 584,213, published Jan. 9, 1951.
Metering apparatus, Automatic printing and totalizing. Foster Engineering Co., Inc. 540,773, Apr. 10; Serial No. 587,472, published Dec. 26, 1950.
Meters, Exposure. Weston Electrical Instrument Corporation. 540,626, Apr. 10; Serial No. 515,242, published Oct. 11, 1949.
Meters, Exposure. Weston Electrical Instrument Corporation. 540,627, Apr. 10; Serial No. 515,346, published Oct. 25, 1949.
Meters, Frequency monitor and modulation, voltmeters and distortion analyzers. Hewlett-Packard Company. 540,874, Apr. 10; Serial No. 595,782, published Jan. 2, 1951.
Motion picture animated cartoons, Series of. Terrytoons, Inc. 540,900, Apr. 10; Serial No. 599,280, published Dec. 26, 1950.
Motion pictures and motion picture film. Republic Pictures Corporation. 540,875, Apr. 10; Serial No. 595,915, published Jan. 2, 1951.
Ophthalmic mirrors, stereoscopic mirrors, diffraction gratings, etc. Don Baxter, Inc. 330,567, Dec. 3, 1935. Republished Apr. 10.
Photographic articles, accessories, and equipment. Helland Research Corporation. 540,903, Apr. 10; Serial No. 600,337, published Jan. 2, 1951.
Photographic supplies. K. Knickerbocker. 540,775, Apr. 10; Serial No. 587,732, published Dec. 12, 1950.
Photographic tripods. Quick-Set, Incorporated. 540,871–2, Apr. 10; Serial Nos. 595,622–3, published Jan. 9, 1951.
Photographic tripods and pan heads. Quick-Set, Incorporated. 540,870, Apr. 10; Serial No. 595,621, published Jan. 9, 1951.
Printing machines, Photo. The Fotopak Corp. 540,943, Apr. 10; Serial No. 599,371.
Projectors for still, silent and sound moving pictures, film cement, etc. E. Paillard & Cie, S. A. 442,763, May 31, 1949. Republished Apr. 10.
Registers, Cash, calculating machines, coin exchanging apparatus, etc. Kooperativa Förbundet, förening u. p. a. 540,751, Apr. 10; Serial No. 582,459, published Dec. 26, 1950.
Rule device, Steel tape. S. C. Uphouse. 540,936, Apr. 10; Serial No. 582,452.
Scales, Kitchen. Hanson Scale Company. 283,107, renewed May 19, 1951. O. G. Apr. 10.
Scales, Weighing; dynamometer scales; machines for testing physical characteristics of materials, etc. Toledo Scale Company. 540,633, Apr. 10; Serial No. 526,794, published July 18, 1950.
Scientific and industrial models. Imagineering Associates, Incorporated. 540,622, Apr. 10; Serial No. 510,255, published Dec. 12, 1950.
Short wave lamp, Mounted. Kemart Corporation. 540,661, Apr. 10; Serial No. 554,128, published Jan. 9, 1951.
Spectacle frames. Kono Manufacturing Company. 540,855, Apr. 10; Serial No. 594,477, published Dec. 26, 1950.
Support for optical photographic, scientific apparatus, Swingable base. Testrite Instrument Company. 280,018, renewed Feb. 10, 1951. O. G. Apr. 10.
Supports for optical, photographic, scientific apparatus, Portable adjustable. Testrite Instrument Company. 280,019, renewed Feb. 10, 1951. O. G. Apr. 10.
Switches, Electric, automatically responsive to condition changes. Barber-Colman Company. 540,757, Apr. 10; Serial No. 583,074, published Dec. 26, 1950.
Telescopic sights. Bausch & Lomb Optical Company. 540,780, Apr. 10; Serial No. 588,734, published Dec. 26, 1950.
Temperature controlled valves. Scully Signal Company. 540,880, Apr. 10; Serial No. 596,526, published Jan. 2, 1951.
Thermometers. Smith & Underwood. 540,852, Apr. 10; Serial No. 594,337, published Dec. 5, 1950.
Time control switch. Hankscraft Company. 540,789, Apr. 10; Serial No. 589,849, published Dec. 5, 1950.
Unitary electrically operated apparatus for measuring, indicating, and automatically controlling the concentration of detergents, etc. Hodgens-Barnett & Co., Inc. 540,671, Apr. 10; Serial No. 561,017, published Dec. 19, 1950.
Viewfinders for cameras, Universal. Cinefot International Corp. 540,905, Apr. 10; Serial No. 602,307, published Jan. 2, 1951.
Viewfinders for cameras, Universal. Cinefot International Corp. 540,944, Apr. 10; Serial No. 602,306.

CLASS 27

Watches. L. Bamberger & Co. 280,377, Feb. 17, 1931. Republished Apr. 10.
Watches and parts thereof. Manufacture des Montres & Chronographes Pierce S. A. 540,715, Apr. 10; Serial No. 576,816, published Jan. 30, 1951.
Watches, clocks, chronometers and parts thereof. Etablissement Hour. 540,720, Apr. 10; Serial No. 577,782, published Jan. 30, 1951.
Watches, stopwatches and parts thereof. Gallet et Co. 540,816, Apr. 10; Serial No. 592,202, published Jan. 30, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 540,840, Apr. 10; Serial No. 593,626, published Jan. 30, 1951.
Watches, watch cases and watch movements. The Gruen Watch Company. 540,841–2, Apr. 10; Serial Nos. 593,628–9, published Jan. 30, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 540,843–4, Apr. 10; Serial Nos. 593,631–2, published Jan. 30, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 540,845, Apr. 10; Serial No. 593,636, published Jan. 30, 1951.
Watches, watch movements and parts of watches. Nerix Watch Caussignac & Jeanneret, Ltd. 540,716, Apr. 10; Serial No. 576,819, published Jan. 60, 1951.

CLASS 28

Bands, Wrist watch. Jacques Kreisler Manufacturing Corporation. 540,922, Apr. 10; Serial No. 547,859.
Collar-buttons, brooches, cuff-buttons, etc. S. M. Magid. 80,071, Nov. 1, 1910. Republished Apr. 10.
Flatware and hollow ware, Sterling silver and silver plated. The Fisher Silversmiths, Inc. 540,755, Apr. 10; Serial No. 582,777, published Jan. 30, 1951.
Flatware, Silverplated. Nathan Straus-Duparquet, Inc. 540,906, Apr. 10; Serial No. 603,266, published Jan. 30, 1951.
Flatware, Silver plated, and sterling silver flatware. Saben Glass Company. 540,876, Apr. 10; Serial No. 596,197, published Jan. 30, 1951.
Flatware, Sterling silver and sterling silver mounted, hollow-ware and table cutlery. Towle Manufacturing Company. 540,881, Apr. 10; Serial No. 596,540, published Jan. 30, 1951.
Gems, Imitation, and cut glass bodies. Ernest Lowenstein, Inc. 540,709–10, Apr. 10; Serial Nos. 575,150–1, published Jan. 16, 1951.
Jewelry, Costume. C. Woods. 540,888, Apr. 10; Serial No. 597,426, published Jan. 16, 1951.
Knives, forks, spoons, etc. Rogers, Lunt & Bowlen Company. 540,743, Apr. 10; Serial No. 581,619, published Jan. 30, 1951.
Pins, bracelets, finger rings, Novelty. Joe Lowe Corporation. 540,734, Apr. 10; Serial No. 580,076, published Jan. 16, 1951.
Pins, Fraternity, finger rings, buttons and badges. Sigma Theta Epsilon Fraternity. 540,770, Apr. 10; Serial No. 587,133, published Jan. 30, 1951.
Rings, Finger, brooches, scarf pins, etc. Goodman and Company. 540,783, Apr. 10; Serial No. 589,313, published Jan. 30, 1951.
Rings, Finger, gem mountings, and parts thereof. Tessler & Weiss, Inc. 540,869, Apr. 10; Serial No. 595,570, published Jan. 30, 1951.

CLASS 29

Polishing cloth, Chemically treated. R. Rossi. 540,932, Apr. 10; Serial No. 569,100.

CLASS 32

Mattresses, and infants' pads. Rose-Derry Company. 540,689, Apr. 10; Serial No. 570,580, published Feb. 28, 1950.

CLASS 34

Heaters, Gas-burning water. The Cleveland Heater Company. 279,153, renewed Jan. 6, 1951. O. G. Apr. 10.
Heaters, Space. Liberty Foundries Company. 279,286, renewed Jan. 13, 1951. O. G. Apr. 10.

CLASS 35

Brake lining. Laber Auto Spring Co., Inc. 277,265, Nov. 11, 1930. Republished Apr. 10.

Tires, Solid cushion, and pneumatic vehicle. The Fisk Rubber Company. 276,119, Oct. 7, 1930. Republished Apr. 10.
Tires, Vehicle, inner tubes, tire and tube patches, etc. The Federal Rubber Company. 276,397, Oct. 21, 1930. Republished Apr. 10.
Washers, Rubber. Kirkhill Rubber Co. 282,191, renewed Apr. 14, 1951. O. G. Apr. 10.

CLASS 36

Accordions. Chicago Musical Instrument Co. 540,834–6, Apr. 10; Serial Nos. 592,877–9, published Jan. 16, 1951.
Harmonicas. Magnus Harmonica Corporation. 540,856, Apr. 10; Serial No. 594,481, published Jan. 16, 1951.
Phonograph records, Grooved. Spotlite Record Manufacturing Corp. 540,700, Apr. 10; Serial No. 572,872, published Jan. 16, 1951.
Wind instruments; and string instruments. The H. N. White Company. 540,620, Apr. 10; Serial No. 503,146, published Jan. 16, 1951.

CLASS 37

Bookkeeping and pay-roll forms. Vue Matic Company. 540,788, Apr. 10; Serial No. 589,818, published Dec. 12, 1950.
Check books, account books, and ledgers. J. Berg. 283,363, renewed May 26, 1951. O. G. Apr. 10.
Desk sets and accessories. Georg Jensen, Inc. 540,621, Apr. 10; Serial No. 504,846, published Dec. 12, 1950.
Envelopes, Correspondence. Curtis 1000 Inc. 540,638, Apr. 10; Serial No. 534,004, published Jan. 16, 1949.
Film made of plastic, Thin. The Visking Corporation. 540,794, Apr. 10; Serial No. 590,471, published Dec. 12, 1950.
Index cards, index guides, guide cards, etc. Oxford Filing Supply Co., Inc. 540,785, Apr. 10; Serial No. 589,467, published Dec. 5, 1950.
Indexes. Russell Index Company. 540,686, Apr. 10; Serial No. 568,671, published Dec. 5, 1950.
Labels, Blank and partially printed. A. Kimball Company. 540,928, Apr. 10; Serial No. 564,573.
Liner material, Moistureproof and solvent resistant bottle-cap. Irvington Varnish & Insulator Company. 540,810, Apr. 10; Serial No. 591,734, published Jan. 9, 1951.
Loose leaf binders. National Blank Book Company. 540,651, Apr. 10; Serial No. 546,017, published Dec. 26, 1950.
Memo box containing writing paper and pencil, Magnetized. The American Binder Company, Inc. 540,763, Apr. 10; Serial No. 584,743, published Dec. 19, 1950.
Neckbands, Sanitary. The Hospital Specialty Company. 540,662, Apr. 10; Serial No. 555,098, published Dec. 12, 1950.
Pants guard made of paper, Slip resistant. W. F. Tufts. 540,791, Apr. 10; Serial No. 590,113, published Dec. 12, 1950.
Paper, Bakers' wrapping. Marathon Corporation. 540,802, Apr. 10; Serial No. 591,179, published Dec. 5, 1950.
Paper, Blue print. B. K. Elliott Company. 540,807, Apr. 10; Serial No. 591,463, published Dec. 19, 1950.
Paper, etc., Bond, ledger, printing, writing, record, and book. The McBee Company. 540,649, Apr. 10; Serial No. 543,636, published Jan. 9, 1951.
Paper, Butchers' wrapping. International Paper Company. 540,809, Apr. 10; Serial No. 591,485, published Dec. 5, 1950.
Paper, Butchers' wrapping. Marathon Corporation. 540,803, Apr. 10; Serial No. 591,180, published Dec. 5, 1950.
Paper, Coated. Standard Cap and Seal Corporation. 540,801, Apr. 10; Serial No. 591,116, published Jan. 2, 1951.
Paper dinner napkins and paper luncheon napkins. Doeskin Products, Inc. 540,727, Apr. 10; Serial No. 579,489, published Jan. 9, 1951.
Paper, Drawing. Arthur Brown & Bro., Inc. 540,664, Apr. 10; Serial No. 558,276, published Jan. 9, 1951.
Paper liners, Corrugated. Sherman Paper Products Corporation. 540,826, Apr. 16; Serial No. 592,437, published Dec. 5, 1950.
Paper napkins, paper towels, toilet tissue, and wrapping paper. Erving Paper Mills. 540,652, Apr. 10; Serial No. 546,482, published Jan. 9, 1951.
Paper napkins, toilet paper, and paper towels. Erving Paper Mills. 540,831, Apr. 10; Serial No. 592,703, published Dec. 26, 1950.
Paper, Notebook filler. Western Tablet & Stationery Corporation. 444,468, Apr. 10; Serial No. 526,126, published July 5, 1949.
Paper, Reenforced. American Reenforced Paper Company. 540,819, Apr. 10; Serial No. 592,243, published Dec. 12, 1950.
Paper sheeting. A. G. Verdoiyack, Inc. 540,786, Apr. 10; Serial No. 589,749, published Dec. 12, 1950.
Paper tablets. Western Tablet & Stationery Corporation. 540,631, Apr. 10; Serial No. 526,029, published Dec. 19, 1950.
Paper tablets, account, data, and order books, etc. Western Tablet & Stationery Corporation. 444,467, Apr. 10; Serial No. 526,036, published Dec. 5, 1950.
Paper towels. West Disinfecting Company. 540,663, Apr. 10; Serial No. 555,580, published Jan. 2, 1951.
Paper, Writing, and envelopes and wrapping paper. Old Colony Envelope Company. 540,832, Apr. 10; Serial No. 592,831, published Dec. 26, 1950.
Paper, Writing, and envelopes; bond paper; blank bank paper, etc. G. H. Bührmann's Papiergroothandel N. V. 540,667, Apr. 10; Serial No. 559,374, published Dec. 5, 1950.
Papers, Book, writing papers, printing papers, etc. West Virginia Pulp and Paper Company. 540,666, Apr. 10; Serial No. 559,410, published Dec. 19, 1950.
Papers, Text and cover. Mohawk Paper Mills, Inc. 540,814, Apr. 10; Serial No. 592,084, published Dec. 5, 1950.
Pencils. Apex Products Corporation. 540,805, Apr. 10; Serial No. 591,393, published Dec. 5, 1950.
Pencils, Colored, and colored leads. Faber Eberhard Pencil Company. 540,795, Apr. 10; Serial No. 590,498, published Nov. 14, 1950.
Pens, Fountain. The Wahl Company. 277,652, Nov. 25, 1930. Republished Apr. 10.
Tissue, Toilet, wax paper, paper napkins, etc. Tested Papers of America, Inc. 380,443, Aug. 20, 1940. Republished Apr. 10.
Tracing cloth. The Winterbottom Book Cloth Company Limited. 540,673, Apr. 10; Serial No. 561,964, published Jan. 9, 1951.

CLASS 38

Periodical. The Wood Construction Publishing Co. 275,825, Sept. 30, 1930. Republished Apr. 10.
Vignette or masthead for a daily newspaper. The Call Publishing Company. 282,867, renewed May 5, 1951. O. G. Apr. 10.

CLASS 39

Brassières and bandeaux. Fay-Miss Brassiere Co., Inc. 340,510, Nov. 10, 1936. Republished Apr. 10.
Bungalow aprons, dresses, petticoats, etc., Women's. The Duquesne Manufacturing Company. 540,768, Apr. 10; Serial No. 586,797, published Dec. 26, 1950.
Capes, Plastic or rubber rain, rain hoods, rain coats, etc. The Elm City Rubber Company. 540,680, Apr. 10; Serial No. 567,689, published Jan. 16, 1951.
Corsetry. Sears, Roebuck and Co. 540,865, Apr. 10; Serial No. 595,158, published Jan. 16, 1951.
Corsets, girdles, and brassières. The Berger Brothers Company. 540,742, Apr. 10; Serial No. 581,548, published Jan. 16, 1951.
Diapers, M. L. Brink. 540,654, Apr. 10; Serial No. 547,423, published Jan. 16, 1951.
Diapers and covers therefor, Babies'. Nancy Garment Company. 540,655, Apr. 10; Serial No. 548,096, published Jan. 16, 1951.
Diapers, Infants'. Kenroe, Inc. 540,765, Apr. 10; Serial No. 586,285, published Jan. 16, 1951.
Dress and negligee shirts, Men's and boys', and men's and boys' pajamas. Louis Baskind & Co. 279,890, renewed Feb. 3, 1951. O. G. Apr. 10.
Dresses, House, for women and aprons. Sherman Manufacturing Co. 277,091, Nov. 4, 1930. Republished Apr. 10.
Dresses, Ladies' and misses'. Ely & Walker Dry Goods Company. 540,762, Apr. 10; Serial No. 584,719, published Jan. 16, 1951.
Dresses, Misses' and women's. George Mover Company. 540,706, Apr. 10; Serial No. 574,719, published Jan. 16, 1951.
Dresses, Women's and misses'. Curtis Casuals, Inc. 540,623, Apr. 10; Serial No. 511,984, published Jan. 16, 1951.
Dresses, Women's and misses'. Forest City Manufacturing Company. 540,851, Apr. 10; Serial No. 594,213, published Jan. 16, 1951.
Gloves. The Schafer Company, Inc. 540,815, Apr. 10; Serial No. 592,103, published Jan. 16, 1951.
Gloves and mittens, Cotton or woolen. The M. B. Hamilton Mfg. Co. 280,527, renewed Feb. 17, 1951. O. G. Apr. 10.
Hosiery. Walnut Hosiery Mills, Inc. 540,818, Apr. 10; Serial No. 592,238, published Jan. 16, 1951.
Hosiery for women and girls. S. D. Arrowood & Co., Incorporated. 540,822, Apr. 10; Serial No. 592,296, published Jan. 16, 1951.
Pajama coats, Long, and short nightgowns. Miss Swank, Inc. 540,703, Apr. 10; Serial No. 573,386, published Jan. 16, 1951.
Pajamas, Girls'. Lubin-Weeker Co. Inc. 540,659, Apr. 10; Serial No. 552,595, published Jan. 16, 1951.
Panties, step-ins, bandeaux, etc., Ladies', misses' and children's. Kelray Knitting Mills, Inc. 540,812, Apr. 10; Serial No. 592,036, published Jan. 16, 1951.
Petticoats, slips, panties, etc. Allen Underwear Manufacturing Co., Inc. 444,465, Apr. 10; Serial No. 519,155, published Jan. 16, 1951.
Suits, coats, skirts, etc., Women's. United Mail Order House. 540,676, Apr. 10; Serial No. 564,248, published Jan. 16, 1951.
Underwear for men and women. Luxite Silk Products Co. 284,310, renewed June 23, 1951. O. G. Apr. 10.

Underwear, Ladies' textile. B. Altman & Co. 540,754, Apr. 10; Serial No. 582,549, published Jan. 16, 1951.
Underwear, Men's, ladies' and children's knitted. Trebor Knitting Mills, Inc. 540,862, Apr. 10; Serial No. 594,872, published Jan. 16, 1951.
Underwear, Men's, women's and children's. W. W. Moyer. 281,116, renewed Mar. 10, 1951. O. G. Apr. 10.

CLASS 40

Applique pieces, Fabric, artificial flowers and feathers. Marrow Manufacturing Co. 540,924, Apr. 10; Serial No. 555,611.
Millinery braids. Embrusa, Inc. 540,929, Apr. 10; Serial No. 565,913.

CLASS 42

Fabric. Patchogue-Plymouth Mills Corporation. 540,766, Apr. 10; Serial No. 586,426, published Jan. 9, 1951.
Fabric cover sets. Armstrong Products Company. 540,849, Apr. 10; Serial No. 594,010, published Jan. 2, 1951.
Fabrics, Cotton. The Springs Cotton Mills. 540,850, Apr. 10; Serial No. 594,079, published Jan. 9, 1951.
Fabrics in the piece. Crompton Company. 540,771, Apr. 10; Serial No. 587,253, published Jan. 9, 1951.
Fabrics in the piece, Pile upholstery. Sidney Blumenthal & Co., Inc. 540,690, Apr. 10; Serial No. 570,688, published Sept. 5, 1950.
Fabrics in the piece, Textile. Tanbro Fabrics Corp. 540,827, Apr. 10; Serial No. 592,526, published Jan. 2, 1951.
Fabrics, Rayon, cotton, linen, etc. Tanbro Fabrics Corp. 540,847, Apr. 10; Serial No. 593,841, published Jan. 9, 1951.
Fabrics, Textile. Burlington Mills Corporation. 540,790, Apr. 10; Serial No. 589,886, published Jan. 2, 1951.
Fabrics, Textile. Burlington Mills Corporation. 540,798, Apr. 10; Serial No. 590,732, published Jan. 2, 1951.
Fabrics, Textile. Burlington Mills Corporation. 540,813, Apr. 10; Serial No. 592,070, published Jan. 9, 1951.
Fabrics, Textile. Burlington Mills Corporation. 540,821, Apr. 10; Serial No. 592,249, published Jan. 2, 1951.
Fabrics, Textile. Hego Fabrics, Inc. 540,796, Apr. 10; Serial No. 590,592, published Jan. 9, 1951.
Floor coverings, Textile. Empire Carpet Corporation. 540,772, Apr. 10; Serial No. 587,321, published Jan. 2, 1951.
Piece goods. Goodall-Sanford, Inc. 540,894, Apr. 10; Serial No. 598,531, published Jan. 9, 1951.
Piece goods, Woolen. A. D. Juilliard & Co., Inc. 540,893, Apr. 10; Serial No. 598,483, published Jan. 2, 1951.
Piece goods, Woolen and worsted. Anglo Fabrics Company, Inc. 540,861, Apr. 10; Serial No. 594,747, published Jan. 2, 1951.
Sheets, Bed. Thomaston Cotton Mills. 540,776, Apr. 10; Serial No. 588,337, published Jan. 2, 1951.
Sheets, Bed. Thomaston Cotton Mills. 540,778, Apr. 10; Serial No. 588,663, published Jan. 9, 1951.
Sheets, Bed. Thomaston Cotton Mills. 540,784, Apr. 10; Serial No. 589,397, published Jan. 2, 1951.
Yard goods, Cotton. C. R. Anthony Company. 540,767, Apr. 10; Serial No. 586,456, published Jan. 2, 1951.

CLASS 44

Atomizers, Medical, rubber gloves for medical use. McKesson & Robbins, Incorporated. 279,042, renewed Jan. 6, 1951. O. G. Apr. 10.
Surgical dressings, prepared bandages, absorbent cotton, etc. The American White Cross Laboratories, Inc. 540,747, Apr. 10; Serial No. 582,118, published Jan. 2, 1951.

CLASS 45

Root-beer extract. Kline & French Company. 80,741, re-renewed Jan. 24, 1951. O. G. Apr. 10.

CLASS 46

Bacon. Jacob E. Decker & Sons. 279,231, renewed Jan. 13, 1951. O. G. Apr. 10.
Bread, bread crumbs, coffee rings, etc. General Baking Company. 540,839, Apr. 10; Serial No. 593,344, published Dec. 26, 1950.
Candy. Cardinet Candy Company, Inc. 540,925, Apr. 10; Serial No. 558,630.
Candy. Keeley Candy Company. 540,636, Apr. 10; Serial No. 532,418, published Dec. 19, 1950.
Candy bars. McAfee Candy Co., Inc. 540,657, Apr. 10; Serial No. 550,536, published Jan. 23, 1951.
Canned and frozen apples. Comstock Canning Corporation. 540,637, Apr. 10; Serial No. 532,565, published Dec. 5, 1950.
Canned beef with gravy. Colonial Provision Co., Inc. 540,728, Apr. 10; Serial No. 579,667, published Dec. 26, 1950.
Canned corn. Minnesota Consolidated Canneries, Inc. 283,965–6, renewed June 9, 1951. O. G. Apr. 10.
Canned dog and cat food. L. Gentile. 540,769, Apr. 10; Serial No. 587,022, published Jan. 16, 1951.
Canned foods. Kotake Company, Limited. 540,817, Apr. 10; Serial No. 592,209, published Dec. 26, 1950.
Canned fruits and vegetables. Pratt-Low Preserving Company. 540,921, Apr. 10; Serial No. 546,791.
Canned olives. Lindsay Ripe Olive Company. 540,643, Apr. 10; Serial No. 538,937, published Dec. 5, 1950.
Chop suey, Frozen. Mah Chena Food Products Company. 540,629, Apr. 10; Serial No. 521,669, published Jan. 23, 1951.
Cocoa. Nestlé & Anglo-Swiss Condensed Milk Co. 82,462, re-renewed June 27, 1951. O. G. Apr. 10.
Cocoabeans, cocoa, cocoabutter, etc. Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon. 444,466, Apr. 10; Serial No. 524,301, published Dec. 5, 1950.
Eggs, Fresh. Western Dairy Products, Inc. 540,642, Apr. 10; Serial No. 536,855, published Dec. 19, 1950.
Flour, Wheat. B. Filippone & Co., Inc. 540,799, Apr. 10; Serial No. 590,740, published Dec. 5, 1950.
Flour, Wheat. White Star Mills. 540,639, Apr. 10; Serial No. 534,071, published May 9, 1950.
Fruit, Fresh citrus. Barber Temple Orange Company. 540,693, Apr. 10; Serial No. 571,891, published Jan. 2, 1951.
Fruits, Brandied, fruits in syrup, fruit-jelly, etc. E. G. Kidd. 82,243, re-renewed June 13, 1951. O. G. Apr. 10.
Fruits, Fresh citrus. Ben Hill Griffin. 540,930, Apr. 10; Serial No. 567,398.
Fruits, Fresh citrus. Valencia Heights Orchards Association. 540,926, Apr. 10; Serial No. 560,305.
Fruits, Fresh deciduous. J. A. Carr. 540,756, Apr. 10; Serial No. 583,030, published Jan. 16, 1951.
Grapes, Fresh. California Fruit Exchange. 278,993, renewed Jan. 6, 1951. O. G. Apr. 10.
Grapes, Fresh. G. Dell'Olio. 540,846, Apr. 10; Serial No. 593,714, published Jan. 2, 1951.
Ham. V. W. Joyner. 81,809, May 9, 1911. Amended. O. G. Apr. 10.
Ice cream. Clover Green Dairies, Inc. 540,672, Apr. 10; Serial No. 561,294, published Sept. 20, 1949.
Ice cream. Philadelphia Dairy Products Company, Inc. 281,725, Mar. 24, 1931. Republished Apr. 10.
Ice cream bar, Chocolate coated vanilla. Midwest Dairy Products Corp. 439,730, July 13, 1948. Restricted. O. G. Apr. 10.
Lentils, split green peas, rice, etc. American Stores Company. 540,787, Apr. 10; Serial No. 589,760, published Jan. 16, 1951.
Meat of fishes, Potted. C. Osborn & Company Limited. 540,748, Apr. 10; Serial No. 582,383, published Jan. 2, 1951.
Milk, Fresh, cheese, fresh cream and fluid buttermilk. B. R. Waldron & Sons Company. 540,678, Apr. 10; Serial No. 566,371, published Jan. 9, 1951.
Olive oil. Schieffelin & Company. 280,934, renewed Mar. 3, 1951. O. G. Apr. 10.
Piccalilli, jams, jellies, canned vegetables, etc. Five Acres Farm. 540,632, Apr. 10; Serial No. 526,215, published Dec. 19, 1950.
Pickle chips, Candied, and cheeselike food products, etc. The Ohio Cheese Products Company. 281,230, renewed Mar. 10, 1951. O. G. Apr. 10.
Pop corn, Popped (and seasoned). Kientzel Noodle Co., Inc. 540,624, Apr. 10; Serial No. 512,001, published Dec. 12, 1950.
Rice. Chitty & Co. 540,668, Apr. 10; Serial No. 559,580, published Aug. 1, 1950.
Rice, uncoated. Albert Ehlers, Inc. 540,669, Apr. 10; Serial No. 560,610, published Jan. 23, 1951.
Sardines, kippers, fish-balls, etc. A/S Trondhjem Canning and Export Co. 540,625, Apr. 10; Serial No. 514,581, published Dec. 12, 1950.
Sausage. Armour and Company. 540,646, Apr. 10; Serial No. 540,137, published Jan. 23, 1951.
Spices, herbs, food seasonings, etc. H. A. Wagner. 540,782, Apr. 10; Serial No. 589,179, published Dec. 26, 1950.
Vegetable oil, Edible. The Procter & Gamble Company. 540,685, Apr. 10; Serial No. 568,659, published Dec. 19, 1950.
Vegetables, Fresh. H. B. Murphy Company. 540,823, Apr. 10; Serial No. 592,378, published Dec. 19, 1950.
Vegetables, Fresh. H. B. Murphy Company. 540,824, Apr. 10; Serial No. 592,379, published Dec. 26, 1950.
Wheat in puffed or popped form coated with sugar. Ranger Joe, Inc. 540,628, Apr. 10; Serial No. 517,325, published Jan. 2, 1951.

CLASS 49

Gin. G. F. Heublein & Bro., Inc. 540,837, Apr. 10; Serial No. 593,176; published Jan. 16, 1951.

CLASS 50

Matrix, dry mat, or boards used in stereotyping or electrotyping, etc. Silvertone Process Corporation. 279,196, renewed Jan. 13, 1951. O. G. Apr. 10.

CLASS 51

Eyebrow pencils, mascara cosmetic, eye shadow, etc. Rimmel, Inc. 540,942, Apr. 10, Serial No. 597,415.
Face creams and hand creams. F. Mirsky. 282,483, renewed Apr. 21, 1951. O. G. Apr. 10.
Massaging creams, perfumes, anoint oil, etc. J. Romano. 540,630, Apr. 10; Serial No. 584,777, published Dec. 5, 1950.

Stimulant tablets, Liver and bowel, medicated hygenic wash tablets, etc. Dr. Margaret Livingston Co. 280,315, Feb. 10, 1931. Republished Apr. 10.

CLASS 52

Soap. Lever Brothers Company. 284,089, renewed June 16, 1951. O. G. Apr. 10.
Soap powder. The C. B. Dolge Company. 540,828, Apr. 10; Serial No. 592,555, published Jan. 9, 1951.

CLASS 100

Farm management service. Opekasit, Inc. 540,916, Apr. 10; Serial No. 575,081, published Jan. 9, 1951.
Services to the members of the association, including individuals and rifle and pistol clubs. National Rifle Association of America. 540,908, Apr. 10; Serial No. 528,301, published Jan. 16, 1951.

CLASS 101

Advertising services, General. The Jessop Advertising Company. 540,909, Apr. 10; Serial No. 538,287, published Jan. 16, 1951.
Advisory service. J. Hausner. 540,918, Apr. 10; Serial No. 589,851, published Jan. 9, 1951.
Marketing research. A. C. Nielsen Company. 540,910, Apr. 10; Serial No. 544,901, published Jan. 9, 1951.
Marketing research. A. C. Nielsen Company. 540,915, Apr. 10; Serial No. 563,626, published Jan. 9, 1951.

CLASS 102

Underwriting of life insurance, etc. The Municipal Insurance Company. 540,919, Apr. 10; Serial No. 593,677, published Jan. 16, 1951.

CLASS 103

Services rendered to automobiles, trucks and other automotive vehicles. The Pure Oil Company. 540,907, Apr. 10; Serial No. 527,718, published Jan. 9, 1951.

CLASS 104

Radio program broadcasting. National Broadcasting Company, Inc. 540,913, Apr. 10; Serial No. 556,904, published Jan. 16, 1951.

CLASS 105

Air transportation. Eastern Air Lines, Inc. 540,911, Apr. 10; Serial No. 546,377, published Jan. 16, 1951.
Transportation service, Railroad passenger and freight. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company. 540,920, Apr. 10; Serial No. 594,651, published Jan. 16, 1951.

CLASS 106

Imprinting, stenciling, and imparting by silk screen process designs, lettering, and combinations of the same on fabrics. 540,914, Apr. 10; Serial No. 558,605, published Jan. 16, 1951.
Opticians' services. The Youngstown Optical Company. 540,917, Apr. 10; Serial No. 584,600, published Jan. 9, 1951.

CLASS 107

Presentation of concerts, lectures, theatrical performances, etc. The Philadelphia Forum, Inc. 540,912, Apr. 10; Serial No. 556,812, published Jan. 9, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Heer, Ralph W., assignor to Pioneer Engineering Works, Inc., Minneapolis, Minn. Conveyer support and transport truck. Re. 23,353, Apr. 10.
Pioneer Engineering Works, Inc., assignee: *See*— Heer, Ralph W.
Storm, Lynn W., Houston, Tex. Jar. Re. 23,354, Apr. 10.
Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Mold composition. Re. 23,355, Apr. 10.
Whitehead Brothers Company, assignee: *See*— Wallace, Burgess P.

LIST OF DESIGN PATENTEES

Adams, Jose, Los Angeles, Calif. Combination clothesline tightener and joiner. 162,767, Apr. 10.
American Name Plate & Manufacturing Company, assignee: *See*— Johns, Carlton H., and McKee.
American Optical Company, assignee: *See*— Ellis, Charles A.
Anheuser, Alfred E., West Allis, Wis. Housing for knife sharpeners. 162,768, Apr. 10.
Arnell, Eric G., Oakland, Calif. Combination table and cabinet. 162,769, Apr. 10.
Atlas, Marvin, Eggertsville, assignor to Caldwell Amusement Co., Inc., Buffalo, N. Y. Game board. 162,770, Apr. 10.
Avco Manufacturing Corporation, assignee: *See*— Little, John M.
Babitz, Albert, Bayonne, N. J. Picture frame. 162,771, Apr. 10.
Barofsky, Jack, Los Angeles, Calif. Combined television, radio, and phonograph cabinet or similar article. 162,772, Apr. 10.
Barr, Charles, Tonawanda, and T. J. Harriman, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 162,773, Apr. 10.
Beauchemin, Arsene, Montreal, Quebec, Canada. Sock. 162,774, Apr. 10.
Beauchemin, Arsene, Montreal, Quebec, Canada. Sock. 162,775, Apr. 10.
Bekkala, Segurd B., Northville, Mich. Fish lure. 162,776, Apr. 10.
Bell Aircraft Corporation, assignee: *See*— Barr, Charles, and Harriman.
Berger, Eugene J., New York, and E. Klein, Brooklyn, N. Y. Combined knife, saw, and fork. 162,777, Apr. 10.
Bloomfield, Charles C., Sr., Baton Rouge, La. Telephone stand. 162,778, Apr. 10.
Boenig, Charles H., assignee: *See*— McGlinchey, Arthur E.
Boyden, Robert E., and H. H. Freeman, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Cash register. 162,779, Apr. 10.
Boyden, Robert E., and N. T. Freeman, Los Angeles, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Office machine. 162,780, Apr. 10.
Breitman, Harvey, White Plains, N. Y., assignor to United Mills Corporation. Bra-top slip. 162,781, Apr. 10.
Broido, Jacques J. G. G., Carouge-Geneva, Switzerland. Motion-picture camera. 162,782, Apr. 10.
Brullhard, Otto, assignee: *See*— Sochor, Franz.
Budny, Leon, Cheektowaga, and E. F. Gornikiewicz, Buffalo, N. Y. Portable tonsorial cabinet. 162,783, Apr. 10.
Burke, Harold, assignor to Concentric Manufacturing Company Limited, Birmingham, England. Pie molding and filling machine unit. 162,784, Apr. 10.
Busch, Conrad J., Wyomissing, assignor to Narrow Fabric Company, West Reading, Pa. Narrow elastic fabric. 162,785, Apr. 10.
Busch, Conrad J., Wyomissing, assignor to Narrow Fabric Company, West Reading, Pa. Narrow elastic fabric. 162,786, Apr. 10.
Bussey, Jeff D., Atlanta, Ga. Combined candelabrum and flower holder. 162,787, Apr. 10.
Butterfield, Vernoid M.: *See*— Polivka, John N., Scharfenberg, and Butterfield.
Caldwell Amusement Co., Inc., assignee: *See*— Atlas, Marvin.
Capocci, Romeo, Chicago, Ill. Cigarette case. 162,788, Apr. 10.
Carse, John F., Omaha, Nebr. Paper match book package. 162,789, Apr. 10.
Chicago Printed String Company, assignee: *See*— Swanson, Arthur P.
Christman, William D., Putnam Valley, N. Y. Airplane toy. 162,790, Apr. 10.
Chrysler Corporation, assignee: *See*— Kaminski, Aloysius J. Keller, Kaufman T.
Citero, Mike, Los Angeles, Calif. Drain pan. 162,791, Apr. 10.
Clary Multiplier Corporation, assignee: *See*— Boyden, Robert E., and Freeman.
Compton, Ellwood O., assignor to Anthony Oberholtz, Los Angeles, Calif. Automotive vehicle. 162,792, Apr. 10.
Concentric Manufacturing Company Limited, assignee: *See*— Burke, Harold.
Connecticut Telephone and Electric Corporation, assignee: *See*— Sundberg, Carl W.
Conway, Joseph H., assignee: *See*— Matthews, Edward.
Cook Bros. Equipment Co., assignee: *See*— Prichard, Evan S.
Coventry Ware, Inc., assignee: *See*— Fuller, James H.
Daust, Herbert, St. Louis, Mo. Infant's combined bib and bottle holder. 162,793, Apr. 10.
Dearborn Motors Corporation, assignee: *See*— Walker, George W.
Delavan Welding Company, Inc., assignee: *See*— Lempke, Milford W., Gentile, and Johnson.
Derr, Bernard A., assignor to Larsan Manufacturing Company, Columbus, Ohio. Handsaw. 162,794, Apr. 10.
De Tar, Donald R., Stratford, assignor, by mesne assignments, to Winchester Electronics, Incorporated, Glenbrook, Conn. Electrical connector. 162,795, Apr. 10.
Development Research, Inc., assignee: *See*— Soffer, Jack W.
Display Advertising Corporation, assignee: *See*— Glass, George.
Dorn, Walter, Seattle, Wash. Child's toy. 162,796, Apr. 10.
Dubinetz, George G., and R. C. Morris, Chicago, Ill., said Dubinetz assignor to said Morris. Combined pad and pencil holder or similar article. 162,797, Apr. 10.
Du Pont, E. I., de Nemours & Company, assignee: *See*— Person, Earl R.
Ebbott, Elizabeth C., New York, N. Y. Mold for ice cube or the like. 162,798, Apr. 10.
Elliott Manufacturing Company, assignee: *See*— Elliott, Winfred W.
Elliott, Winfred W., Johnson City, assignor, by mesne assignments, to Elliott Manufacturing Company, Binghamton, N. Y. Flexible shaft driving head. 162,799, Apr. 10.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Lens testing instrument. 162,800, Apr. 10.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Front for goggles. 162,801, Apr. 10.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Facepiece for a goggle or the like. 162,802, Apr. 10.
Feins, Natalie de L., Beverly Hills, Calif. Pair of sunglasses. 162,803, Apr. 10.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 162,804, Apr. 10.
Ferar, Montgomery: *See*— Sundberg, Carl W., and Ferar.
Ferber Corporation, assignee: *See*— Ferber, Fred.

Ferber, Fred, assignor to Ferber Corporation, Englewood, N. J. Ball point pen. 162,805, Apr. 10.

Flato, Paul, Sales Corporation, assignee: *See*— Sternberg, Joseph.

Forrester, Gilbert: *See*— Nielsen, Herman, and Forrester.

Freeman, Nadine T.: *See*— Boyden, Robert E., and Freeman.

Fuller, James H., assignor to Coventry Ware, Inc., Barberton, Ohio. Combined string and spoon holder. 162,806, Apr. 10.

Gant, Allen E., Glen Raven, N. C. Stocking. 162,807, Apr. 10.

Gant, Allen E., Glen Raven, N. C. Stocking. 162,808, Apr. 10.

Gay, Fred N., near Seattle, Wash. Article dispensing cabinet or the like. 162,809, Apr. 10.

General Mills, Inc., assignee: *See*— Pollvka, John N., Scharfenberg, and Butterfield.

Gentile, Alfred J.: *See*— Lempke, Milford W., Gentile, and Johnson.

Glass, George, Brookline, assignor to Display Advertising Corporation, Boston, Mass. Picture frame or similar article. 162,810, Apr. 10.

Goldberg, Emanuel, Tel-Aviv, Israel. Photographic copying apparatus. 162,811, Apr. 10.

Goldberg, Maynard E., assignor to Laboratory Industries, Inc., Elmwood Park, Ill. Laboratory clamp. 162,812, Apr. 10.

Goldberger, Gerald N., Flushing, and V. I. Robinson, Far Rockaway, assignors to Precision Apparatus Co., Inc., Elmhurst, N. Y. Electrical test probe. 162,813, Apr. 10.

Goldner, Hervé H., New York, N. Y. Clock or similar article. 162,814, Apr. 10.

Goldner, Hervé H., New York, N. Y. Clock or similar article. 162,815, Apr. 10.

Goldner, Hervé H., New York, N. Y. Clock or similar article. 162,816, Apr. 10.

Goldner, Hervé H., New York, N. Y. Clock or similar article. 162,817, Apr. 10.

Gorniklewicz, Edward F.: *See*— Budny, Leon, and Gorniklewicz.

Gottschalck, Lawrence W., New York, N. Y. Stocking. 162,819, Apr. 10.

Gottschalck, Lawrence W., New York, N. Y. Stocking. 162,820, Apr. 10.

Gottschalck, Lawrence W., New York, N. Y. Stocking. 162,821, Apr. 10.

Gottschalck, Lawrence W., New York, N. Y. Stocking. 162,822, Apr. 10.

Gottschalck, Lawrence W., New York, N. Y. Stocking. 162,823, Apr. 10.

Gottschalk, Emil, New York, N. Y. Rubber boot for dolls. 162,818, Apr. 10.

Hammer, Vallie, Bell Gardens, Calif. Amusement device. 162,824, Apr. 10.

Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 162,825, Apr. 10.

Harriman, Thomas J.: *See*— Barr, Charles, and Harriman.

Harvey, James W., Lakeville, Conn. Dip net or similar article. 162,826, Apr. 10.

Harvey, James W., Lakeville, Conn. Dip net frame. 162,827, Apr. 10.

Hellig, Theodore, assignee: *See*— Saacke, G. Rudolph.

Heintz Manufacturing Company, assignee: *See*— Trautvetter, George.

Hill, Corydon W., assignee: *See*— King, Theodore T.

Hirschman, Irving, Brooklyn, N. Y. Pair of spectacles or similar article. 162,828, Apr. 10.

Hoeflich, Victor T., Bronx, N. Y. Helmet radio receiver. 162,829, Apr. 19.

Hoffenberg, Isidor, Milford, Conn., assignor to A. Werman & Sons, Inc., Brooklyn, N. Y. Shoe sole. 162,830, Apr. 10.

Holiday Hosiery Mills, Inc., assignee: *See*— Woodrow, Charles N.

Huntoon, Russell C., San Diego, Calif. Automobile sun visor. 162,831, Apr. 10.

Hurwitz, Jacob E., Brooklyn, N. Y. Container for playing cards. 162,832, Apr. 10.

Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Household mixer. 162,833, Apr. 10.

Janeshutz, Anton C., Caracas, Venezuela. Receptacle for attachment to vehicle sun visors. 162,834, Apr. 10.

Jansma, John P., Broadview, Mont. Smoking stand. 162,835, Apr. 10.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Casing for an electric shaver. 162,836, Apr. 10.

Johns, Carlton H., Downers Grove, and K. R. McKee, assignors to American Name Plate & Manufacturing Company, Chicago, Ill. Automatic coffee maker. 162,837, Apr. 10.

Johnson, John J.: *See*— Lempke, Milford W., Gentile, and Johnson.

Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 162,838, Apr. 10.

Kaminski, Aloysius J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile fender. 162,839, Apr. 10.

Keller, Kaufman T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combination license plate holder and signal light housing. 162,840, Apr. 10.

King, Theodore T., assignor of fifty per cent to C. W. Hill, Pampa, Tex. Level and plumb attachment for carpenters' squares. 162,841, Apr. 10.

Klein, Ernest: *See*— Berger, Eugene J., and Klein.

Klein, Robert L., Rochelle Park, N. J. Drip cap. 162,842, Apr. 10.

Klein, Robert L., Rochelle Park, N. J. Window head. 162,843, Apr. 10.

Klein, Robert L., Rochelle Park, N. J. Window sill. 162,844, Apr. 10.

Kohn, Leo, assignor to Morris Moskowitz Corporation, New York, N. Y. Pocketbook. 162,845, Apr. 10.

Koplar, Alan E., Chicago, Ill. Clock pendulum or similar article. 162,846, Apr. 10.

Kronsberg, Ray, Los Angeles, Calif. Radio cabinet. 162,847, Apr. 10.

Laboratory Industries, Inc., assignee: *See*— Goldberg, Maynard E.

Larsan Manufacturing Company, assignee: *See*— Derr, Bernard A.

Lawson, F. H., Company, The, assignee: *See*— Lumley, Maurice C.

Lehrfeld, William H., Freeport, N. Y. Gauge for precious stones. 162,848, Apr. 10.

Lempke, Milford W., Buffalo, A. J. Gentile, Cheektowaga, and J. J. Johnson, assignors to Delavan Welding Company, Inc., Buffalo, N. Y. Truck carrying trailer. 162,849, Apr. 10.

Le Tourneau, R. G., Inc., assignee: *See*— Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Bulldozer. 162,850, Apr. 10.

Libbey-Owens-Ford Glass Company, assignee: *See*— Spahn, Paul E.

Little, John M., Toledo, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator cabinet. 162,851, Apr. 10.

Little, John M., Toledo, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator cabinet. 162,852, Apr. 10.

Lull, Le Grand H., Minneapolis, Minn. Self-propelled loader. 162,853, Apr. 10.

Lumley, Maurice C., assignor to The F. H. Lawson Company, Cincinnati, Ohio. Utility stool. 162,854, Apr. 10.

Lummus Company, The, assignee: *See*— O'Connor, Ward J.

Lux, Frederick, Middlebury, Conn. Alarm clock. 162,855, Apr. 10.

Marcus & Wiesen, Inc., assignee: *See*— Wiesen, Alex.

Matthews, Edward, assignor of one-half to J. H. Conway, Denver, Colo. Adjustable wrench. 162,856, Apr. 10.

McCann, Hose, Telephone Co., Inc., assignee: *See*— McCann, Thomas J.

McCann, Thomas J., New York, assignor to Hose McCann Telephone Co., Inc., Brooklyn, N. Y. Selective ringing telephone unit. 162,857, Apr. 10.

McGlinchey, Arthur E., New York, N. Y., assignor to G. B. Taylor, Kearney, N. J., and C. H. Boenig, Johnson, Vt. Nail polish bottle holder. 162,858, Apr. 10.

McKee, Kenneth R.: *See*— Johns, Carlton H., and McKee.

Mellos, Athanasios K., Los Angeles, Calif. Advertising display device. 162,859, Apr. 10.

Mercer, Norman J., Brooklyn, N. Y. Children's feeding tray. 162,860, Apr. 10.

Modern Telephones Corporation, assignee: *See*— Rodgers-Bannister, Horace V.

Morehouse, Dayton J., Springfield, Mass. Pull member for roller curtains or the like. 162,861, Apr. 10.

Morris, Richard C., assignee: *See*— Dubinetz, George G., and Morris.

Morton, Lloyd P., Great Falls, Mont. Nose syringe. 162,862, Apr. 10.

Moskowitz, Morris, Corporation, assignee: *See*— Kohn, Leo.

Moss, Robert, Jr., Detroit, Mich. Combined fender ornament and signal light. 162,863, Apr. 10.

Narrow Fabric Company, assignee: *See*— Busch, Conrad J.

Nielsen, Herman, Tuckahoe, N. Y., and G. Forrester, West Brooksville, Maine. Towel rack. 162,864, Apr. 10.

Niemann, Fred W., Chicago, Ill. Chair. 162,865, Apr. 10.

Oberholtz, Anthony, assignee: *See*— Compton, Ellwood O.

O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console instrument board. 162,866, Apr. 10.

Olson, Irvin A., Anacortes, Wash. Combined screw driver and cap. 162,867, Apr. 10.

Orloff, Jack, New York, N. Y. Blouse. 162,868, Apr. 10.

Orloff, Jack, New York, N. Y. Blouse. 162,869, Apr. 10.

Oster, John Manufacturing Company, assignee: *See*— Iannelli, Alfonso.

Pearce, Woodrow W., Los Angeles, Calif. Pedicure apparatus or similar article. 162,870, Apr. 10.

Person, Earl R., Leominster, Mass., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 162,871, Apr. 10.

Peters & Russell, Inc., assignee: *See*— Russell, Linus E.

Pierce, Harold C., Leominster, Mass. Pipe rack. 162,872, Apr. 10.

Pilch, John S., Ware, Mass. Hydraulic trencher. 162,873, Apr. 10.

Polenz, Paul W., La Jolla, Calif. Sea anchor. 162,874, Apr. 10.

Pollvka, John N., G. T. Scharfenberg, and V. M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc. Household food mixer. 162,875, Apr. 10.

Portong, Henry A., Manhasset, N. Y. Textile fabric. 162,876, Apr. 10.

Precision Apparatus Co., Inc., assignee: *See*— Goldberger, Gerald N., and Robinson.

Price, Julious A., Castro Valley, and J. D. Rutzebeck, Hayward, Calif. Angle head for rotary tools. 162,877, Apr. 10.

Prichard, Evan S., La Canada, assignor to Cook Bros. Equipment Co., Los Angeles, Calif. Truck mixer. 162,878, Apr. 10.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clockcase or similar article. 162,879, Apr. 10.

Rawson, Emanuel, Chicago, Ill. Suspended milker. 162,880, Apr. 10.

Richardson, Charles E., South Gate, Calif. Dry cleaners' spot removing device. 162,881, Apr. 10.

Robinson, Victor I.: *See*— Goldberger, Gerald N., and Robinson.

Rodgers-Banniater, Horace V., London, England, assignor to Modern Telephones Corporation, New York, N. Y. Transducer housing. 162,882, Apr. 10.

Rollo, Peter J., Matawan, N. J. Refreshment stand. 162,883, Apr. 10.

Ronning, Adolph, Minneapolis, Minn. Automobile. 162,884, Apr. 10.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Hood ventilator. 162,885, Apr. 10.

Rutzebeck, John D.: *See*— Price, Julious A., and Rutzebeck.

Saacke, G. Rudolph, Brooklyn, assignor to T. Hellig, Long Beach, N. Y. Spray head for aerosol dispensers. 162,886, Apr. 10.

Sado, Harry, New York, N. Y. Electric broiler. 162,887, Apr. 10.

Sandberg, Harry O., Boston, Mass. Dressing tray or similar article. 162,888, Apr. 10.

Scharfenberg, George T.: *See*— Pollvka, John N., Scharfenberg, and Butterfield.

Schmidli, Eugene C., Minneapolis, Minn. Child's swing. 162,889, Apr. 10.

Schwarz, Eugene, Alexandria, Ind. Wall lamp. 162,890, Apr. 10.

Shoffner, Willie M., Dayton, Ohio. Metal-cutting shears 162,891, Apr. 10.

Sochor, Franz, Vienna, Austria, assignor to O. Brullhard, Forest Hills, N. Y. Miniature camera. 162,892, Apr. 10.

Soffer, Jack W., assignor to Development Research, Inc., St. Louis, Mo. Container closure. 162,893, Apr. 10.

Soffer, Jack W., assignor to Development Research, Inc., St. Louis, Mo. Container closure. 162,894, Apr. 10.

Spahn, Paul E., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Soldering iron head or the like. 162,895, Apr. 10.

Standard Cap and Seal Corporation, assignee: *See*— Zimmermann, Willy E.

Sternberg, Joseph, assignor to Paul Flato Sales Corporation, New York, N. Y. Pin or similar article. 162,896, Apr. 10.

Still, John A., Bradford, Pa. Safety razor. 162,897, Apr. 10.

Storkline Furniture Corporation, assignee: *See*— Feldman, Abraham G.

Sunbeam Corporation, assignee: *See*— Jepson, Ivar.

Sundberg, Carl W., Birmingham, Mich., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn. Telephone base. 162,898, Apr. 10.

Sundberg, Carl W., Birmingham, and M. Ferar, Huntington Woods, Mich., assignors to Sylvania Electric Products Inc. Radio cabinet. 162,899, Apr. 10.

Susi, Michael A., assignor to Toscony Fabrics, Inc., New York, N. Y. Plastic film material. 162,900, Apr. 10.

Swanson, Arthur P., assignor to Chicago Printed String Company, Chicago, Ill. Ribbon dispenser or similar article. 162,901, Apr. 10.

Sylvania Electric Products Inc., assignee: *See*— Sundberg, Carl W., and Ferar.

Taylor, Gordon B., assignee: *See*— McGlinchey, Arthur E.

Thompson, Paul, Wellesley Hills, Mass. Pan liner. 162,902, Apr. 10.

Toscony Fabrics, Inc., assignee: *See*— Susi, Michael A.

Trautvetter, George, Jenkintown, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Metallic container. 162,903, Apr. 10.

Ulvang, Oscar L., Duluth, Minn. Belt attaching gun cradle. 162,904, Apr. 10.

United Metal Goods Manufacturing Co., Inc., assignee: *See*— Punzak, Joseph F.

United Mills Corporation, assignee: *See*— Breitman, Harvey.

Utz, Edward L., Dayton, Ohio. Multiple compartment cooking pan. 162,905, Apr. 10.

Van Deusen, Earl, Seattle, Wash. Lamp base. 162,906, Apr. 10.

Vaughan, Francis E., Pasadena, Calif. Drafting machine thumb control unit. 162,907, Apr. 10.

Volk, Margaret A., Toledo, Ohio. Bedspread rack. 162,908, Apr. 10.

Walker, George W., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Manure spreader or similar article. 162,909, Apr. 10.

Wallace, Waldo W., Panama City, Fla. Oarlock. 162,910, Apr. 10.

Waller, Irvin, Chicago, Ill. Graver and screw driver sharpening fixture. 162,911, Apr. 10.

Wenter, Julius, New York, N. Y. Combined comb and hair curler. 162,912, Apr. 10.

Werman, A., & Sons, Inc., assignee: *See*— Hoffenberg, Isidor.

Westernacher, Fritz, New York, N. Y. Display stand or similar article. 162,913, Apr. 10.

Westernacher, Fritz, New York, N. Y. Display stand or similar article. 162,914, Apr. 10.

Wiesen, Alex, assignor to Marcus & Wiesen, Inc., New York, N. Y. Insert for a box. 162,915, Apr. 10.

Winchester Electronics, Incorporated, assignee: *See*— De Tar, Donald R.

Wittle, William W., Chicago, Ill. Electric space heater. 162,916, Apr. 10.

Woodrow, Charles N., assignor to Holiday Hosiery Mills, Inc., York, Pa. Stocking. 162,917, Apr. 10.

Youngworth, Bernard, Baltimore, Md. Gate top ornament. 162,918, Apr. 10.

Zimmermann, Willy E., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Bottle capping machine. 162,919, Apr. 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-B-C Packaging Machine Corporation, assignee: *See*—
Neal, Morris P.

A P Controls Corporation, assignee: *See*—
Biermann, William A., and Pawelsky.
Johnson, Roy W., and McCarty.

A. V. Roe Canada Limited, assignee: *See*—
Williams, Frederick D. M.

Abbott, Albert J.: *See*—
Gibbs, John H., Andersen, and Abbott.

Adams, J. D., Manufacturing Co., assignee: *See*—
Gill, Raymond E.

Adams, James W., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of synthetic rubber-carbon black mixtures. 2,548,757, Apr. 10.

Agle, Charles K., Princeton, N. J. Roof structure. 2,548,758, Apr. 10.

Air-Maze Corporation, assignee: *See*—
Janson, Theodore J.

Aktiebolaget Gotaverken, assignee: *See*—
Johansson, Johan E.

Alexander, Cruzan, and T. H. Whaley, Bartlesville, Okla., assignors to Phillips Petroleum Company. Agglomerating apparatus. 2,548,332, Apr. 10.

Alexanderson, Ernst F. W., A. H. Mittag, and E. L. Phillipi, Schenectady, N. Y., assignors to General Electric Company. Fault-suppressing circuits. 2,548,577, Apr. 10.

Allan, William J., Richmond Heights, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Electric switch. 2,548,280, Apr. 10.

Allen, Everett W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Push-out window. 2,548,250, Apr. 10.

Allen, Frances D.: *See*—
Potts, Esther B., and La Roche.

Allen, John G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluid mixer-reactor. 2,548,759, Apr. 10.

Allgeyer, Guy H., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Control for electric blankets. 2,548,760, Apr. 10.

Allied Chemical & Dye Corporation, assignee: *See*—
Maslin, John A.
Spatz, Sydney M.
Watson, William E.

Allied Electric Products, Inc., assignee: *See*—
Chirelstein, Nathan.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Hansen, Alfred J.
Kelle, Arthur C.
Polley, Manford J.

American Can Company, assignee: *See*—
Nordquist, Ronald E. J., and Baumann.

American Car & Foundry Company, assignee: *See*—
Ericson, George R.

American Cyanamid Company, assignee: *See*—
Mecco, Jerry M.
Nagy, Daniel E.
Sayre, Ralph E.

American Machinery Corporation, assignee: *See*—
Smith, George M.

American Optical Company, assignee: *See*—
Bernheim, Daniel P., and Gunning.

American Steel Foundries, assignee: *See*—
Kayler, Frank H.
Lehrman, Leo A.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Boak, Willis E.

American Viscose Corporation, assignee: *See*—
Davidson, Hobart O.

Amick, Erwin H., Jr., Linden, N. J., assignor to Standard Oil Development Company. Distillation of secondary butyl acetate from secondary butyl alcohol and water. 2,548,460, Apr. 10.

Amity Leather Products Co., assignee: *See*—
Reis, John P.

Andersen, Arthur H.: *See*—
Gibbs, John H., Andersen, and Abbott.

Anderson, Carl M., Chicago, R. A. Harris, Oak Park, and C. C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Determining the oxygen content of copper. 2,548,187, Apr. 10.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Connection means for a windshield wiper blade and arm unit. 2,548,090, Apr. 10.

Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Fines separator for solvent extraction systems. 2,548,333, Apr. 10.

Anderson, Roy J., Chicago, Ill. Electric toaster. 2,548,511, Apr. 10.

Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.

Andersson, Ernst, and C. E. Fogde, Skonsmon, assignors to Svartviks Aktiebolag, Sundsvall, Sweden. Locking device for windows. 2,548,578, Apr. 10.

Andrews, Henry: *See*—
Thomas, Charles P., and Andrews.

Appleton, John M., assignor to Continental Aviation & Engineering Corporation, Muskegon, Mich. Machine for machining tapered studs. 2,548,137, Apr. 10.

Applied Arts Corporation, assignee: *See*—
Hendricks, Cornelius.

Armantrout, Kenneth M., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission interlock mechanism. 2,548,761, Apr. 10.

Armco Steel Corporation, assignee: *See*—
Taylor, Charles R., and Staley.

Armitage, Joseph B., Wauwatosa, J. B. Lukey, K. A. Riedel, and F. D. Boehmer, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool transmission and control mechanism. 2,548,188, Apr. 10.

Armour and Company, assignee: *See*—
Harwood, James, and Du Brow.

Armstrong Cork Company, assignee: *See*—
Wiley, John W.

Armstrong, Daniel A., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Pump structure for outboard motors. 2,548,762, Apr. 10.

Armstrong, John R., London, Ontario, Canada. Locking device for gate hinges of a motor-truck body. 2,548,189, Apr. 10.

Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic choke control for internal-combustion engines. 2,548,334, Apr. 10.

Aronson, Milton H.: *See*—
Ryerson, Clifford M., Aronson, and Erath.

Arpin, Leon G., Jr., Montclair, N. J. Mobile fuel carrier or the like. 2,548,190, Apr. 10.

Arpe, Bruno F., New Holstein, Wis. Reverse scoop attachment for tractors. 2,548,461, Apr. 10.

Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.

Ashcroft, Donald G., Saltcoats, and I. F. Stewart, Kilwinning, Scotland, assignors to Imperial Chemical Industries Limited. Machine for testing and classifying tubes closed at one end. 2,548,645, Apr. 10.

Askevold, Robert J., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Determining temperature of complete miscibility of liquids. 2,548,763, Apr. 10.

Aspey, Wayne S.: *See*—
Cumming, James M., and Aspey.

Auer, Frederick, Teaneck, assignor to Champlain Company, Inc., Bloomfield, N. J. Register control means for continuous and intermittent web feed mechanism. 2,548,136, Apr. 10.

Automatic Electric Laboratories, Inc., assignee: *See*—
Dimmer, Robert P.
Hadfield, Bertram M.

Automatic Electric Manufacturing Company, assignee: *See*—
Klammer, William C.

Automatic Temperature Control Co., Inc., assignee: *See*—
Macgeorge, William D.

Ayers, George W., Chicago, Ill., and E. E. Harton, Jr., Alexandria, Va., assignors to The Pure Oil Company, Chicago, Ill. Chlorination of hydrocarbons. 2,548,764, Apr. 10.

Baehr, Carl G., West Haven, assignor to The Greist Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,547,921, Apr. 10.

Baker, Burton P., Detroit, Mich. Plant control for hydroelectric generators. 2,548,462, Apr. 10.

Baker, Willis C., Long Beach, Calif. Mechanically actuated pipe thread protector. 2,547,992, Apr. 10.

Bakker, Pier, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Multiexchange automatic telephone system. 2,548,191, Apr. 10.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Lazan, Benjamin J.
Schaevitz, Herman.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control apparatus. 2,548,138, Apr. 10.

Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Refrigeration accumulator and dehydrator. 2,548,335, Apr. 10.

Banks, William H., Hampton, P. B. Upton, Bromley, and J. R. Scott, Croydon, assignors to The Printing and Allied Trades Research Association, London, and The Research Association of British Rubber Manufacturers, Croydon, England. Producing electroforms. 2,548,765, Apr. 10.

Bänninger, Fritz, Zurich, Switzerland. Producing fishing rods and the like. 2,548,336, Apr. 10.

Barber-Colman Company, assignee: *See*—
Scone, John P.

Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Alpha-halogen substituted acrylic compounds. 2,548,091, Apr. 10.

Barraco, Angelo J., Irvington, N. J. Quick-change gear converter. 2,548,337, Apr. 10.

Barsky, George, New York, and F. A. Strauss, Staten Island, N. Y. Amino-aldehyde condensation products and preparing them. 2,548,416, Apr. 10.

Barstow, Ormond E., and C. A. Pippin, assignor to The Dow Chemical Company, Midland, Mich. Spark-gap liquid level indicator. 2,548,696, Apr. 10.

Bartholomew, Fred R., Minneapolis, Minn. Method and apparatus for feeding and printing paper. 2,548,281, Apr. 10.

Bartlett, Kenneth M., South Euclid, and M. S. Roush, Painesville, assignors to Thompson Products, Inc., Cleveland, Ohio. Cooled hollow article. 2,548,092, Apr. 10.

Barton, George L., assignee: *See*—
Belpedio, Vincent S., and Barton.

Basdekis, Costas H., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizing acrylonitrile in the presence of alkali metal soap of mahogany acids. 2,548,282, Apr. 10.

Bashkin, Stanley, Madison, Wis., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion gauge. 2,548,283, Apr. 10.

Battaglia, William I., San Jose, Calif. Preserving prunes in containers. 2,548,284, Apr. 10.

Baum, Nathaniel L., Los Angeles, Calif., and J. Wynkoop, Brooklyn, N. Y., assignors to Turco Products, Inc., Los Angeles, Calif. Paint remover. 2,548,766, Apr. 10.

Baumann, Bruno A.: *See*—
Nordquist, Ronald E. J., and Baumann.

Baxter, Joseph, Jr., Franklin, assignor to The Black-Clawson Company, Hamilton, Ohio. Apparatus for thickening liquid slurry stock. 2,548,417, Apr. 10.

Beacon Products Corporation, assignee: *See*—
Sholkin, Murray E.

Bechtold, Joseph L., Roseburg, Oreg. Portable motor operated hand scroll saws. 2,547,922, Apr. 10.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Control circuits for electric converting systems. 2,548,579, Apr. 10.

Bears, Warren L.: *See*—
Jansen, Jacob E., and Bears.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Rotary drum depository. 2,548,338, Apr. 10.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Cutler, Cassius C.
Feldman, Carl B. H.
Kreer, John G., Jr.
Lewis, Willard D

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Belpedido, Vincent S., Fairfield, Conn., and G. L. Barton, Tulsa, Okla. Device for deforming and removing crown caps. 2,548,697, Apr. 10.

Bemis Bro. Bag Company, assignee: *See*—
Kindseth, Harold V.

Bendix Aviation Corporation, assignee: *See*—
Dickey, John W.
Hayes, Albert E., Jr.
Hedeman, Walter R., Jr.
Howe, James A.
Metsger, Charles S.
Noxon, Paul A.
Ochtman, Leonard.

Benge, Hubert M., Statesville, N. C. Curve cutting sawing apparatus. 2,548,698, Apr. 10.

Benz, August, Portland, Oreg. Spring and axle assembly for vehicles. 2,547,993, Apr. 10.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,548,192, Apr. 10.

Bergstein, Samuel, Cincinnati, Ohio. Securing the effects of end dipping in gas-tight flexible wall packages. 2,548,251, Apr. 10.

Bergstein, Samuel, Cincinnati, Ohio. Box with attached handles. 2,548,252, Apr. 10.

Bergstrom, Carl V., Santa Monica, Calif. Window blind. 2,548,512, Apr. 10.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,548,285, Apr. 10.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting hydrocarbon conversion reactions. 2,548,286, Apr. 10.

Bernat, Henri: *See*—
Bernat, Raoul and H.

Bernat, Raoul and H., Bordeaux, France. Refrigerating machine of the combined compression-absorption type. 2,548,699, Apr. 10.

Bernheim, Daniel P., and W. A. Gunning, assignors to American Optical Company, Southbridge, Mass. Surfacing machine. 2,548,418, Apr. 10.

Berry, Frank, assignor to Berry Motors, Inc., Corinth, Miss. Fluid motor of the rotary abutment type. 2,548,339, Apr. 10.

Berry, Laden S., Plainview, Tex. Ditching and terracing attachment for tractors. 2,548,139, Apr. 10.

Berry Motors, Inc., assignee: *See*—
Berry, Frank.

Bertein, Francois, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electronic microscope. 2,547,994, Apr. 10.

Bick, Max, Philadelphia, Pa. Paint applicator. 2,548,580, Apr. 10.

Bickness, John A., Westbrook, and S. J. Johnson, Portland, Maine, assignors to S. D. Warren Company, Boston, Mass. Moldproofing mineral coated papers. 2,548,646, Apr. 10.

Biermann, William A., and V. R. Pawelsky, Milwaukee, Wis., assignors to A P Controls Corporation. Fluid flow control device. 2,547,995, Apr. 10.

Bigelow, John E., Schenectady, N. Y., assignor to General Electric Company. Magnetic switching device. 2,548,581, Apr. 10.

Black-Clawson Company, The, assignee: *See*—
Baxter, Joseph, Jr.

Black, Sivalls & Bryson, Inc., assignee: *See*—
Simms, Howard N.

Blake, John H., Jr., Freehold, N. J. Multipass boiler. 2,548,287, Apr. 10.

Blaw-Knox Company, assignee: *See*—
Jessen, John D.

Blessing, Arthur W., Chicago, Ill. Match book holder. 2,548,288, Apr. 10.

Blewett, Philip D., Oakland, Calif. Electric percolator. 2,548,647, Apr. 10.

Blewitt, Ronald H., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for dielectric heating. 2,548,093, Apr. 10.

Blood, Robert H., Tulsa, Okla., assignor to Standard Oil Development Company. Thermal shock drilling bit. 2,548,463, Apr. 10.

Blum, Hosmer L., assignor to Bowser, Inc., Fort Wayne, Ind. Liquid sampling apparatus. 2,548,193, Apr. 10.

Boak, Willis E., Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey. Abrasive suspensions. 2,548,582, Apr. 10.

Boehmer, Francis D.: *See*—
Armitage, Joseph B., Lukey, Riedel, and Boehmer.

Bohlinger Bros., assignee: *See*—
Bohlinger, Ernst A.

Bohlinger, Ernst A., Astoria, assignor to E. A. and G. A. Bohlinger, doing business as Bohlinger Bros., New York, N. Y. Jewelry attachment. 2,548,140, Apr. 10.

Bohlinger, Gustave A., assignee: *See*—
Bohlinger, Ernst A.

Bond, John: *See*—
Sachs, Carrol C., and Bond.

Bonn, Morris, Pittsburgh, Pa. Crutch and crutch attachment. 2,548,253, Apr. 10.

Bonna, Narve, Lommedalen, near Oslo, Norway. Wearing edge for skies. 2,548,094, Apr. 10.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Ironing board with adjustable supporting legs. 2,548,648, Apr. 10.

Borg-Warner Corporation, assignee: *See*—
Armantrout, Kenneth M.
Gillespie, Daniel C.

Boucher, Cormack E., Seattle, Wash. Portable X-ray unit. 2,547,996, Apr. 10.

Boucher, Jacques, Paris, assignor to Compagnie de Pont-A-Mousson, Nancy, France. End dam for centrifugal pipe molds. 2,548,464, Apr. 10.

Boughton, Fred W., assignor to Eastman Kodak Company, Rochester, N. Y. Making high wet strength paper. 2,548,513, Apr. 10.

Bouton, Gertrude V., assignee: *See*—
Vischer, Alfred, Jr.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Apparatus for de-airing and delivering plaster. 2,548,340, Apr. 10.

Bowers, Harold E., Pittsburgh, Pa., assignor to The New England Box Company, Greenfield, Mass. Molding from fiber dispersions. 2,547,997, Apr. 10.

Bowers, Harold E., Pittsburgh, Pa., assignor to The New England Box Company, Greenfield, Mass. Production of construction materials from wood and other vegetable fibers. 2,548,095, Apr. 10.

Bowser, Inc., assignee: *See*—
Blum, Hosmer L.

Boyajian, Clement L., G. R. Rede, and H. M. Dimond, Schenectady, N. Y., assignors to General Electric Company. Automatic cleaner for sparking styluses. 2,548,583, Apr. 10.

Brady, William E., Parma, Ohio. Mechanical pencil with lead sharpening device. 2,548,649, Apr. 10.

Bralley, James A., Bristol, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Halo-aryl allyl carbonates and polymers thereof. 2,548,141, Apr. 10.

Bramley, Jenny, Long Branch, N. J. Producing secondary-electron-emitting surfaces. 2,548,514, Apr. 10.

Brandt, Robert J., Los Angeles, Calif. Adjustable clamp for light shields. 2,548,650, Apr. 10.

Brest, Harry C., assignor to R. M. Walcott Co., Pomona, Calif. Boxed produce handling equipment. 2,548,767, Apr. 10.

Bricmont, George A., Berea, assignor to Diapette, Inc., Bratenahl, Ohio. Absorbent pad. 2,548,341, Apr. 10.

Briggs, Allan L., Jamestown, and G. A. Oberg, Celoron, assignors to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Wringer. 2,548,768, Apr. 10.

Briggs, Southwick W., Bethesda, Md. Filter cartridge. 2,548,584, Apr. 10.

Briggs & Stratton Corporation, assignee: *See*—
Armstrong, Werner E.

Bristol Laboratories Inc., assignee: *See*—
Cheney, Lee C.

Bristol Steel & Iron Works, Inc., assignee: *See*—
Ferguson, Robert O.

Broadbent, Frank, assignor to Thomas Broadbent & Sons, Limited, Huddersfield, England. Hydroextractor. 2,548,515, Apr. 10.

Broadbent, Thomas & Sons, Limited, assignee: *See*—
Broadbent, Frank.

Broadston, James A., Los Angeles, Calif., assignor to North American Aviation, Inc. Bore sighting apparatus. 2,548,700, Apr. 10.

Brockway, Wilhelm W., Los Angeles, Calif. Impulse relay. 2,547,998, Apr. 10.

Brockway, Wilhelm W., Los Angeles, Calif. Relay mounting. 2,547,999, Apr. 10.

Brook, Kenneth, Eastcote, and F. M. Evans, assignors to C. A. V. Limited, London, England. Fuel injection pump for internal-combustion engines. 2,548,342, Apr. 10.

Brooker, Leslie G. S.: *See*—
Sprague, Robert H., and Brooker.
Van Lare, Earl J., and Brooker.

Broughton, Cyril L., Washington, D. C. Musical chord indicating machine. 2,548,000, Apr. 10.

Brown, Charles Raymond: *See*—
Minnick, Leonard J., and Brown.

Brown, Clyde A.: *See*—
Chace, Thomas B., and Brown.

Brown, Fordyce M.: *See*—
Wampole, Oliver J., Brown, and Tuttle.

Brown, Herbert C., West Lafayette, Ind., assignor to Standard Oil Company, Chicago, Ill. Alkylation of urea with olefins. 2,548,585, Apr. 10.

Brown, Sanford P., Beaumont, Tex. Form for molding cementitious material. 2,548,343, Apr. 10.

Brown, William A., Lincoln, Maine. Interchangeable temple for eyeglass frames. 2,547,923, Apr. 10.

Bruner, Roy, Washington, D. C. Reflector coffee table. 2,548,586, Apr. 10.

Brush Development Company, The, assignee: *See*—
Kornei, Otto.

Bryant, George F., Chicago, and R. C. Bryant, Oak Park, Ill. Expanding mandrel. 2,548,096, Apr. 10.

Bryant, Raymond C.: *See*—
Bryant, George F. and R. C.

Budd Company, The, assignee: *See*—
Coombes, Joseph H.
Eksergian, Carolus L.
Eksergian, Carolus L., and Watter.
Lyon, John C.
Watter, Michael.

Buechler, John H., Chicago, Ill. Rubber heel. 2,548,194, Apr. 10.

Buerger, Martin J., Lincoln, and E. Washken, Cambridge, Mass., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Cementing plastically deformable bodies and products thereof. 2,548,344, Apr. 10.

Burdett, Harry W., Ridgewood, N. J., and F. B. Page, Manchester, Conn., assignors to Wright Aeronautical Corporation. Compressor. 2,548,465, Apr. 10.

Burgin, Miller S., assignor of twenty-five per cent to J. G. Waldron, Portland, Maine. Combination crib and play pen. 2,548,769, Apr. 10.

Burwell, Blair: *See*—
Peterson, C. Lynn and C. J., and Burwell.

Butterfill, Sydney T., Hamilton, Ontario, Canada. Display shipping container. 2,548,001, Apr. 10.

Butts, Robert S., Arlington, assignor to Melpar, Inc., Alexandria, Va. Telemetric system. 2,548,345, Apr. 10.

C. A. V. Limited, assignee: *See*—
Brook, Kenneth, and Evans.

Cadalzo, Alvaro, New York, N. Y., assignor of one-half to M. Nathenson, Jersey City, N. J. Dispensing device for collapsible tubes. 2,548,587, Apr. 10.

Camfield Manufacturing Company, assignee: *See*—
Olson, Henry L., and Miller.

Cantalupo, Francis J., Chicago, E. P. De Craene, Westchester, E. G. Schmidt, Western Springs, R. P. Setka, Chicago, and C. W. Yant, Westchester, assignors to Crane Co., Chicago, Ill. Valve for automatic washing machines. 2,548,516, Apr. 10.

Caraway, John B., Evansville, Ind., assignor to the United States of America as represented by the Secretary of War. Protective arrangement for the neutralization circuits of vacuum tubes. 2,548,770, Apr. 10.

Carlsen, Herbert M., Spokane, Wash. Fire escape. 2,548,466, Apr. 10.

Carnes, Herbert W., Swampscott, assignor to North American Research Corporation, Cambridge, Mass. Independent detector roll for grading machines. 2,548,346, Apr. 10.

Caron, John B. R., North Plainfield, and E. B. Glendenning, Cranford, N. J., and C. Wies, New York, N. Y., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,548,347, Apr. 10.

Caron Spinning Company, assignee: *See*—
Tribbey, Stanley E.

Carpenter, James H., Arlington, Fla. Electrostatic separator. 2,548,771, Apr. 10.

Carraher, Thomas P., Denver, Colo. Valve rack. 2,548,289, Apr. 10.

Carrara, Gino, Milan, Italy. Preparing low specific gravity light colored tannin. 2,548,588, Apr. 10.

Carrier Corporation, assignee: *See*—
Grant, Walter A.

Carter, Dannie M., Blakely, Ga. Peanut cleaner. 2,548,142, Apr. 10.

Carveth, Hector R., Jr., assignor to Chateau Gay Ltd., Lewiston, N. Y. Clarification of sparkling wines. 2,548,701, Apr. 10.

Casablancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.

Casalbi Company, assignee: *See*—
Sparks, Carter W., Klee, and Sparks.

Casciano, John, assignee: *See*—
Critchley William A. and T. J.

Caserta, Michele, Detroit, Mich. Valve. 2,548,097, Apr. 10.

Castle, John E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cyanobutyl guanamine. 2,548,772, Apr. 10.

Cavallito, Chester J.: *See*—
Lawson, Elmer J., Cavallito, and Mooradian.

Celanese Corporation of America, assignee: *See*—
Fortess, Fred, and White.
Jones, Wilford D.

Central Commercial Industries, Inc., assignee: *See*—
French, Melvin H.

Chace, Thomas B., and C. A. Brown, assignors to The Dole Valve Company, Chicago, Ill. Fluid control system for laundering apparatus. 2,548,651, Apr. 10.

Chain Belt Company, assignee: *See*—
Longenecker, Charles I.

Chamberlain, George R., Baden, assignor to The National Supply Company, Pittsburgh, Pa. Pipe upsetting and hot broaching tool. 2,548,702, Apr. 10.

Champlain Company, Inc., assignee: *See*—
Auer, Frederick.

Chateau Gay Ltd., assignee: *See*—
Carveth, Hector R., Jr.

Chelle, Paul L., Alfortville, France. Filling machine for gaseous liquids. 2,548,589, Apr. 10.

Cheney, Lee C., Fayetteville, assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Beta halo substituted phenethyl amines. 2,548,652, Apr. 10.

Cherry-Burrell Corporation, assignee: *See*—
Lippold, Adolph J.

Chester, Allan E., Highland Park, and D. F. Seymour, Gurnee, assignors to Poor & Company, Chicago, Ill. Production of lustrous zinc. 2,548,419, Apr. 10.

Chester, Allan E., Highland Park, Ill., and B. Leonelli, Highland Park, Mich., assignors to Poor & Company, Chicago, Ill. Producing lustrous zinc. 2,548,420, Apr. 10.

Chicago Aerial Survey Company, assignee: *See*—
Miles, John R.

Chicago Railway Equipment Company, assignee: *See*—
Ekholm, Herbert W.

Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Hydraulic coupling. 2,548,195, Apr. 10.

Chirelstein, Nathan, Maplewood, assignor to Allied Electric Products, Inc., Irvington, N. J. Apparatus for assembling attachment plugs. 2,548,773, Apr. 10.

Christenson, Frank, Jamaica Estates, N. Y. Attachment for ceramic combustion chambers. 2,548,421, Apr. 10.

Christiansen, Treva E., Grosse Pointe, Mich. Foundation dress ensemble. 2,548,143, Apr. 10.

Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Dunn, William T.
Eisenmann, John H.
Hunter, William A.
Lewton, Ross.
Schellinger, Theodor C.

Churchill, William L., Jr., Sutherland, Nebr. Clothespin. 2,548,254, Apr. 10.

Citro, Alphonse P., Summit Hill, Pa. Guitar stand. 2,547,924, Apr. 10.

Clarin, John H., Oak Park, assignor to Clarin Mfg. Co., Chicago, Ill. Folding chair kneeler attachment. 2,548,098, Apr. 10.

Clarin Mfg. Co., assignee: *See*—
Clarin, John H.

Clark, Lewis N., Orange, Va. Finger-supported bottle opener. 2,548,517, Apr. 10.

Clark, Mildred G., assignor of one-half to P. M. Clark, Scottsbluff, Nebr. Handle and armrest for weed burners. 2,548,196, Apr. 10.

Clark, Pearl M., assignee: *See*—
Clark, Mildred G.

Clark, Robert G., Eufaula, Ala. Electric feeler mechanism for filling detection in looms. 2,548,348, Apr. 10.

Clary Multiplier Corporation, assignee: *See*—
Schwend, Fred N., and Petit.

Cline, Ralph L., Hickory, N. C. Adjustable stringer mold for concrete steps. 2,548,703, Apr. 10.

Cline, Truman H.: *See*—
Walton, Arthur K., and Cline.

Clopay Corporation, assignee: *See*—
Thexton, Arthur L.

Coe, Mayne R., Jr., Riverdale Heights, Md. Shrinkproofing wool. 2,548,774, Apr. 10.

Coel, Leo, assignor to Holland-Rantos Company, Inc., New York, N. Y. Diaphragm introducer. 2,548,775, Apr. 10.

Cohen, Samuel, assignor to Pilgrim Curtain Co., Inc., Fall River, Mass. Sewing machine attachment. 2,548,144, Apr. 10.

Cohn, Louis I., Philadelphia, Pa. Bedspring. 2,548,349, Apr. 10.

Coleman, Gerald H., Freeland, and R. H. Rigterink, assignors to The Dow Chemical Company, Midland, Mich. Substituted 2,3-dihydro-2-methyl-benzofurans. 2,548,704, Apr. 10.

Collier, Ray H., Jackson, Miss., and R. H. Collier, Oak Park, Ill. Flap retainer clip for paper cartons. 2,548,705, Apr. 10.

Collier, Robert H.: *See*—
Collier, Ray H. and R. H.

Collins Radio Company, assignee: *See*—
Wirkler, Walter H.

Columbus McKinnon Chain Corporation, assignee: *See*—
Robins, Erford E., and Parker.

Combs, Claude L., St. Albans, W. Va. Graduated T-square. 2,548,350, Apr. 10.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Kruse, John R.

Compagnie de Pont-A-Mousson, assignee: *See*—
Boucher, Jacques.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bertein, Francois.

Condak, Edward, assignor to Mardigian Corporation, Detroit, Mich. Collapsible ironing board. 2,548,099, Apr. 10.

Conner, Guy O., Cleveland Heights, Ohio. Template. 2,548,197, Apr. 10.

Connors, John, Hamden, assignor to The Geist Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,547,925, Apr. 10.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max, and Schwartz.

Continental Aviation & Engineering Corporation, assignee: *See*—
Appleton, John M.

Control Instrument Company, Inc., assignee: *See*—
Lehde, Henry C.

Control Products, Inc., assignee: *See*—
Parkhurst, Malcolm K.

Cook, Ellsworth D., Scotia, N. Y., assignor to General Electric Company. Noncontacting width gauge. 2,548,590, Apr. 10.

Cook, George W., Washington, D. C. Electronic strain measuring system. 2,547,926, Apr. 10.

Coombes, Joseph H., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Cushioned railway wheel. 2,548,839, Apr. 10.

Coombs, Clarence T., Frederick, Okla. Fishing rod holder. 2,548,351, Apr. 10.

Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Esters of alpha-acetaminoacrylic acid. 2,548,518, Apr. 10.

Corning, Walter D., Knoxville, Tenn. Transparent display holder. 2,548,706, Apr. 10.

Corson, G. and W. H., Inc., assignee: *See*—
Minnick, Leonard J., and Brown.

Cosnett, Charles H., Kingsville, Ohio. Dual control for the throttle and reversing means of pressure fluid engines. 2,548,198, Apr. 10.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Combined filling and dispensing valve for volatile liquids. 2,548,352, Apr. 10.

Cozzoli, Frank J., Plainfield, N. J. Multiple filling machine. 2,548,707, Apr. 10.

Crane Co., assignee: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Setka and Yant.

Crane, Edward J., Oak Park, and R. P. Cross, Jr., Riverside, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Loading coil. 2,548,199, Apr. 10.

Cressler, Edward P., Newton, Kans. Single-use toothbrush. 2,548,255, Apr. 10.

Crise, George W., Danville, Ohio. Electric bed warmer and producing same. 2,548,467, Apr. 10.

Crise, George W., Danville, Ohio. Producing electric bed warmers. 2,548,468, Apr. 10.

Critchley, Thomas J.: *See*—
Critchley, William A. and T. J.

Critchley, William A. and T. J., Cranston, assignors to J. Casciano, East Providence, R. I. Belt buckle. 2,548,200, Apr. 10.

Cromley, John M., Lewisburg, Pa. Fisherman's bait box. 2,548,201, Apr. 10.

Crompton & Knowles Loom Works, assignee: *See*—
Fletcher, Norman, and Robb,
Turner, Richard G.

Cromwell, Cecil E., St. John, New Brunswick, Canada. Ceiling painter. 2,548,653, Apr. 10.

Cronk, Richard C., Hudson, Wis. Pliers. 2,548,422, Apr. 10.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Processing of aqueous comestible solutions. 2,548,776, Apr. 10.

Cross, Robert P., Jr.: *See*—
Crane, Edward J., and Cross.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Wire wound resistor. 2,548,591, Apr. 10.

Crown Controls Company, Inc., assignee: *See*—
Dicke, Carl H.

Culligan, E. J., Benevolent Foundation, assignee: *See*—
Culligan, Emmett J. and T. E.

Culligan, Emmett J. and T. E., assignors to E. J. Culligan Benevolent Foundation, San Bernardino, Calif. Dishwashing apparatus. 2,548,100, Apr. 10.

Culligan, Thomas E.: *See*—
Culligan, Emmett J. and T. E.

Cumming, James M., and W. S. Aspey, Turtle Creek, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electric heating device. 2,548,423, Apr. 10.

Cummings, Leland W. T., Wyncote, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for conducting high-temperature reactions. 2,548,519, Apr. 10.

Cunningham, Russell E., Washington, D. C., assignor to Melpar, Inc., Alexandria, Va. Casting method. 2,548,353, Apr. 10

Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. N¹-aryl N³-dialkyl biguanides. 2,548,654, Apr. 10.

Curgan, Mark N.: *See*—
Klein, David X., and Curgan.

Curtis, Roger C.: *See*—
Roberts, Frederick W., and Curtis.

Curtiss-Wright Corporation, assignee: *See*—
Chillson, Charles W.
Heberding, Harold E.
Hotz, Harry E., and Gelbard.
Tydon, Walter.

Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive dielectric guide antenna. 2,548,655, Apr. 10.

Dahl, Carl P.: *See*—
Hartley, Emmett C., and Dahl.

Dallas, John E., and Sons Limited, assignee: *See*—
Percy, Charles W.

Dalmas, Amedeus, Oakland, Calif. Improving the tone quality and resonance of string instruments. 2,547,919, Apr. 10.

Damschroder, Rudolph E., and J. W. Gates, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of proteins having unsaturated radicals united therewith. 2,548,520, Apr. 10.

Daniels, Farrington, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Thermal fixation of atmospheric nitrogen. 2,548,002, Apr. 10.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying machine. 2,547,927, Apr. 10.

Davenport, Theron P., Port Neches, Tex. Maneuvering machine. 2,548,202, Apr. 10.

Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for handling unstable chemical dispersions. 2,548,003, Apr. 10.

Davies, Robert H., Aurora Township, Portage County, assignor to The Parker Appliance Company, Cleveland, Ohio. Attachment for filling and draining fuel tanks. 2,548,354, Apr. 10.

Davis, Clyde W., and F. A. Ehlers, Antioch, and R. G. Ellis, Walnut Creek, Calif., assignors to The Dow Chemical Company, Midland, Mich. Manufacture of chlorine by oxidation of hydrogen chloride. 2,547,928, Apr. 10.

Dawson, Edward, New York, N. Y., assignor to The Sperry Corporation. Fluid-control valve. 2,547,929, Apr. 10.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

De Craene, Edmond P.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Setka, and Yant.

Dedrick, Francis J., Corning, N. Y. Sled. 2,547,930, Apr. 10.

De Gaal, Abris, Manhassett, N. Y. Extension table with pin and groove slides. 2,548,469, Apr. 10.

De Giovine, Rudolph G.: *See*—
Sobel, Charles, and De Giovine.

De Grazia, Joseph, Washington, D. C. Combination collar and hood. 2,547,931, Apr. 10.

De Michele, Dominick J., Schenectady, N. Y., assignor to General Electric Company. Resistance strain gauge and making same. 2,548,592, Apr. 10.

Deming, Clarence L., Emporia, Kans. Garbage disposal arrangement with improved flue assembly. 2,548,203, Apr. 10.

Deo, Clyde W., Waterford, assignor to General Motors Corporation, Detroit, Mich. Battery carrier. 2,548,256, Apr. 10.

Detch, Lewis, Wilkinsburg, Pa. Cartridge fuse. 2,548,290, Apr. 10.

Diapette, Inc., assignee: *See*—
Bricmont, George A.

Dicke, Carl H., assignor, by mesne assignments, to Crown Controls Company, Inc., New Bremen, Ohio. Temperature control system with signal. 2,548,424, Apr. 10.

Dickey, John W., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrically heated steam generator and power unit. 2,548,708, Apr. 10.

Dickey, Joseph B.: *See*—
Coover, Harry W., Jr., and Dickey.

Dickey, Richard E.: *See*—
Sorg, Leonard V., Dickey, and Weaverling.

Dictaphone Corporation, assignee: *See*—
Roberts, Frederick W., and Curtis.
Trevitt, John H., and Renholdt.

Diehold, Incorporated, assignee: *See*—
Behrens, Herbert C.

Dimmer, Robert P., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Signaling apparatus for radio telephone systems. 2,548,777, Apr. 10.

Dimond, Herbert M.: *See*—
Boyajian, Clement L., Rede, and Dimond.

Dissinger, George, assignee: *See*—
Obenour, George G.

Dodd, Francis L., Merrick, assignor to Stromberg-Carlson Company, Rochester, N. Y. Chimes. 2,548,710, Apr. 10.

Dodge, George W., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Beater. 2,548,425, Apr. 10.

Dole Valve Company, The, assignee: *See*—
Chace, Thomas B., and Brown.

Dolejs, Joseph, Antigo, Wis. Fishing sinker. 2,548,291, Apr. 10.

Dolejs, Joseph, Sr., Antigo, Wis. Fishing line float. 2,548,355, Apr. 10.

Doležal, Richard, Vitkovice, assignor to Vitkovické Železárny Klementa Gottwalda Národní Podnik, Ostrava, Czechoslovakia. Furnace for burning low-grade fuel, including air-cooled partition walls. 2,548,656, Apr. 10.

Dorr Company, The, assignee: *See*—
White, Frank S.

Douglas Aircraft Company, Inc., assignee: *See*—
Muller, Oscar A.

Douglas, Karle S., Galt, Calif. Adjuster for clothes hangers. 2,548,778, Apr. 10.

Dow Chemical Company, The, assignee: *See*—
Barstow, Ormond E., and Pippin.
Coleman, Gerald H., and Rigterink.
Davis, Clyde W., Ehlers, and Ellis.

Dowell, John H.: *See*—
Mensies, Alexander C. G., and Dowell.

Downing Box Company, assignee: *See*—
Stephan, Elroy R.

Downs, Alfred B., Jr., Columbus, Miss. Ground clamp for electrical circuits. 2,547,932, Apr. 10.

Doyle, Richard, Park Ridge, N. J. Pin-inserting finger band. 2,548,521, Apr. 10.

Drake, William H., Rome, Ga. Tilt stand. 2,548,204, Apr. 10.

Drew, Robert D., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heating solid granules. 2,548,522, Apr. 10.

Drexler, Charles, Indianapolis, Ind. Overload automatic reversible control. 2,548,709, Apr. 10.

Drobish, William M., Oak Park, and E. L. Drom, Brookfield, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical coil assembly. 2,548,205, Apr. 10.

Drom, Edwin L.: *See*—
Drobish, William M., and Drom.

Drom, Edwin L., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading coil terminal. 2,548,206, Apr. 10.

Dubey, Georges, and R. Schaldenbrand, La Chaux-de-Fonds, Switzerland. Split seconds flyback chronograph. 2,548,101, Apr. 10.

Du Brow, Paul: *See*—
Harwood, James, and Du Brow.

Duefrene, George, Stepney, Conn. Separable fastener. 2,548,004, Apr. 10.

Duncan, James F., Waterbury, Conn. Flushing device. 2,548,658, Apr. 10.

Dunlop Tire and Rubber Corporation, assignee: *See*—
Blewitt, Ronald H.

Dunn, John R., South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Production indicating means. 2,548,657, Apr. 10.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Torque converter. 2,548,207, Apr. 10.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Castle, John E.
Iler, Ralph K.
Little, Ernest L., Jr.
Walker, Joseph F., and Kokowicz.

Duttenhofer, John C., assignee: *See*—
Smith, Harry E.

Dyer, Richard F., and W. G. Faw, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Pneumatic rapid traverse for winding textile yarns on cones and tubes. 2,548,523, Apr. 10.

Eagles, Horace W., Erie, and C. B. Martin, Wesleyville, Pa., assignors to General Electric Company. Support for shelf or basket rail within a refrigerator. 2,548,593, Apr. 10.

Eames, Charles, West Los Angeles, Calif., assignor, by mesne assignments, to Herman Miller Furniture Company, Zeeland, Mich. Laminated splint. 2,548,470, Apr. 10.

Eastman Kodak Company, assignee: *See*—
Boughton, Fred W.
Coover, Harry W., Jr., and Dickey.
Damschroder, Rudolph E., and Gates.
Dyer, Richard F., and Faw.
Ernisse, Paul J.
Godowsky, Leopold, Jr.
Harvey, Douglass C.
Hutchison, Miller R., Jr.
Kenyon, William O., and Unruh.
Kesel, Edwin H.
Mihalyi, Joseph.
Morrison, Charles A.
Muehler, Lowell E.
Nivison, Wade S., and Wangerin.
Sprague, Robert H., and Brooker.
Staehle, Henry C.
Tolle, Karl.
Van Lare, Earl J., and Brooker.
Wampole, Oliver J., Brown, and Tuttle.
Weissberger, Arnold, Glass, and Vittum.
Weyerts, Walter J.

Eaton Laboratories, Inc., assignee: *See*—
Raffauf, Robert F.

Eckhoff, Orville E., San Antonio, Tex. Electrical cooking apparatus. 2,548,524, Apr. 10.

Edberg, Per, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air-conditioning. 2,548,426, Apr. 10.

Edmonds, Joseph B., Baltimore, Md. Treatment of fermentation products. 2,548,594, Apr. 10.

Edwards, Thomas: *See*—
Simpson, Thomas, Greenland, and Edwards.

Ehlers, Forrest A.: *See*—
Davis, Clyde W., Ehlers, and Ellis.

Eisenmann, John H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control switch. 2,548,145, Apr. 10.

Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,548,595, Apr. 10.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Sleeping car arrangement. 2,548,292, Apr. 10.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Rail car truck. 2,548,596, Apr. 10.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Stud for mounting wheels or the like. 2,548,840, Apr. 10.

Eksergian, Carolus L., Media, and M. Watter, assignors to The Budd Company, Philadelphia, Pa. Sleeping car with superposed rooms. 2,548,293, Apr. 10.

Elliott Company, assignee: *See*—
Fisher, Samuel C., and Lynch.

Elliott, Homer C., Baltimore, Md. Fishing pole with automatic lure-casting attachments. 2,548,102, Apr. 10.

Ellis, Roger G.: *See*—
Davis, Clyde W., Ehlers, and Ellis.

Ellison, Samuel H., Riverside, assignor to Tru-Ade, Inc., Chicago, Ill. Sirup agitator for liquid dispensing devices. 2,548,597, Apr. 10.

Elsworth, John V. V., Watertown, N. Y., assignor to The New York Air Brake Company. Lag-responsive protection device. 2,548,005, Apr. 10.

Embrey, Webb, St. Joseph, Mo. Combined walking cane and instrument support. 2,548,711, Apr. 10.

Empire Ironer, Inc., assignee: *See*—
Getgey, John J.

Enslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target indication radar system. 2,548,779, Apr. 10.

Engel, Willem F.: *See*—
Houtman, Johannes P. W., Engel, Hoog, and van't Spijker.

Enos, Julian R., San Luis Obispo, Calif. Front wheel drive. 2,548,356, Apr. 10.

Enterprise Manufacturing Co. of Pa., The, assignee: *See*—
Hirsch, Frank J.

Epprecht, Alfred G., Zurich, Switzerland. Tripod. 2,548,659, Apr. 10.

Erath, Louis W.: *See*—
Ryerson, Clifford M., Aronson, and Erath.

Ericson, George R., Kirkwood, Mo., assignor to American Car & Foundry Company, New York, N. Y. Sleeping car arrangement. 2,548,006, Apr. 10.

Erie Meter Systems, Inc., assignee: *See*—
Swank, Reid W.

Ernisse, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Film winding control for roll-film handling apparatus. 2,548,525, Apr. 10.

Erson, Erik G.: *See*—
McClure, Glenn T., and Erson.

Evans, Fraser M.: *See*—
Brook, Kenneth, and Evans.

Evernden, Harold I. F., Hazelwood, Duffield, near Derby, assignor to Rolls-Royce Limited, Derby, England. Hydraulic power transmission system. 2,548,208, Apr. 10.

Fahnestock, Frank C., Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion and catalyst regeneration apparatus. 2,548,295, Apr. 10.

Fansteel Metallurgical Corporation, assignee: *See*—
Kiels, John D.
Kiels, John D., and Halverson.

Faw, Wendell G.: *See*—
Dyer, Richard F., and Faw.

Federal Enterprises, Inc., assignee: *See*—
Gosswiller, Earl W.

Felker, George E., Jr., Albany, N. Y., assignor to General Electric Company. Apparatus for detection of flaws by means of microwaves. 2,548,598, Apr. 10.

Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Elastic time division multiplex system. 2,548,661, Apr. 10.

Feldman, Herman, Forest Hills, N. Y. Plastic pants for infants. 2,548,660, Apr. 10.

Felts, Jerome J.: *See*—
Wharam, John J., and Felts.

Femons, Laura, assignee: *See*—
Femons, Leon H.

Femons, Leon H., assignor of one-half to L. Femons, Stockton, Calif. Connecting rod assembly. 2,548,296, Apr. 10.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Tobacco pipe. 2,548,297, Apr. 10.

Fernbach, Hans R., Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Control apparatus for periodically operating machines. 2,548,427, Apr. 10.

Ferretti, Antonio, Milan, Italy. Manufacture of textile fibers composed of casein. 2,548,357, Apr. 10.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission, including one pump and a plurality of motors. 2,548,146, Apr. 10.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission with variable displacement pump, throttled outflow from motor, and leakage compensation. 2,548,147, Apr. 10.

Fether, Donald W., San Jose, Calif. Apparatus and method of making friction lining. 2,548,009, Apr. 10.

Fiedorek, Fred T., Oakdale, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of quaternary amines from tertiary amines and beta-lactones. 2,548,428, Apr. 10.

Filtrol Corporation, assignee: *See*—
Gary, Wright W., and Lovett.

Firman, Reginald A.: *See*—
Pierson, Reginald K., and Firman.

Firmin, Fred, Detroit, assignor to Modern Collet & Machine Company, Ecorse, Mich. Slide mounting. 2,548,712, Apr. 10.

Fisher, Berne N., New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Insulated multisection condenser rotor shaft. 2,548,713, Apr. 10.

Fisher, Hardin Y., Hillside, and E. M. Soreng, Skokie, assignors to Soreng Manufacturing Corporation, Chicago, Ill. Motor starting circuits and relay. 2,548,148, Apr. 10.

Fisher, Samuel C., Jeannette, and R. S. Lynch, Greensburg, assignors to Elliott Company, Jeannette, Pa. Elastic fluid turbine. 2,548,714, Apr. 10.

Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Automatic temperature control system. 2,547,933, Apr. 10.

Fitzgerald, James F., Detroit, Mich. Shaving brush. 2,548,429, Apr. 10.

Fitzgerald, William M., Sanford, N. C. Paper carrier for typewriters. 2,548,715, Apr. 10.

Fitzsimmons, Wilbur G., Ocala, Fla. Welding wheel. 2,548,007, Apr. 10.

Fitz Simons, Ogden, Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Pressure relief device. 2,548,298, Apr. 10.

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft needle mechanism for Axminster looms. 2,548,662, Apr. 10.

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft needle mechanism for Axminster looms. 2,548,663, Apr. 10.

Fletcher Trust Company, executor: *See*—
Starkey, William C.

Florida, State Board of Education of, The, assignee: *See*—
Neal, Wayne M.

Florida, State of, assignee: *See*—
Neal, Wayne M.

Fogde, Carl E.: *See*—
Andersson, Ernst and Fogde.

Food Machinery and Chemical Corporation, assignee: *See*—
Daugherty, George W.

Foote Bros. Gear and Machine Corporation, assignee: *See*—
Moir, Robert B., and Stangeland.

Ford Motor Company, assignee: *See*—
Rivard, Lawrence B., and Rauh.
Wharam, John J., and Felts.

Formfit Company, The, assignee: *See*—
Kunstadter, Sigmund W.

Fortess, Fred, and B. B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Fusion of vanillin. 2,547,920, Apr. 10.

Foster, Lester S., Raymond, Ill. Weed spraying device. 2,548,209, Apr. 10.

Fowler, Preston L., Jr., Durham, N. C. Urinal specimen bag. 2,548,149, Apr. 10.

Fox, Samuel S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and water system. 2,548,150, Apr. 10.

Frankenstein, Curt, Lima-San Isidro, Peru. Speed control device for centrifuges. 2,548,299, Apr. 10.

Franklin, Loomis N., Madisonville, Ky. Disk brake construction. 2,548,008, Apr. 10.

Franks, Jerome S., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil. 2,548,210, Apr. 10.

Frantz, Paul E., North Hollywood, assignor to W. W. Jones, Orange, Calif. Fire extinguisher unit. 2,548,358, Apr. 10.

Frantz, Walter J., Princeton, N. J., assignor to Radio Corporation of America. Sound reproducing system. 2,548,211, Apr. 10.

Freeman, Ben F., Schuyler, Nebr. Feed chopper. 2,548,664, Apr. 10.

Fremont Kraut Company, The, assignee: *See*—
Irons, Ross C.

French, Melvin H., Brookfield, assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Electric switch. 2,548,103, Apr. 10.

Friedman, Theodore, New York, N. Y. Combined plastic article and insert. 2,548,151, Apr. 10.

Frison, Robert E., Buffalo, Wyo. Tag and card holder. 2,548,104, Apr. 10.

Friss, George E., Clay Township, St. Joseph County, Ind. Shaft measuring means. 2,548,010, Apr. 10.

Frost, Loyd T., Riveredge, N. J. Sonic teacher. 2,548,011, Apr. 10.

Frost, William G., Portageville, N. Y. Garden tool. 2,548,012, Apr. 10.

Fua, Frederic A.: *See*—
Vossberg, Carl A., and Fua.

Funk, Samuel M., Muncie, Ind. Weather sealing mechanism. 2,548,716, Apr. 10.

Galbrecht, Frank I.: *See*—
Sabel, Edward R., and Galbrecht.

Gall, John F., Narberth, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lubricating means resistant to chemical attack. 2,548,471, Apr. 10.

Gandhi, Manmohandas V., Bombay, India. Bag for medical and hygienic purposes. 2,548,359, Apr. 10.

Garber, John D.: *See*—
Sparks, William J., Young, and Garber.

Garfield, Lewis F., Reedville, Oreg. Live fowl holder. 2,548,013, Apr. 10.

Garner, Claude M., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Controlling pilot burner. 2,548,300, Apr. 10.

Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company. Clearance control. 2,548,599, Apr. 10.

Gary, Wright W., and R. A. Lovett, assignors to Filtrol Corporation, Los Angeles, Calif. Producing pelleted calcium oxide desiccant. 2,548,780, Apr. 10.

Gates, John W., Jr.: *See*—
Damschroder, Rudolph E., and Gates.

Gates Rubber Company, The, assignee: *See*—
Worley, William S.

Gates, Vauna M. B., assignee: *See*—
Gates, William S., Jr.

Gates, William S. Jr., assignor to V. M. B. Gates, Springfield, Ill. Automatic character repeating mechanism for typewriters. 2,548,717, Apr. 10.

Gealt, Arthur E., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic motor control apparatus with separate null indicating device. 2,548,014, Apr. 10.

Geigy Company Limited, The, assignee: *See*—
Jones, Harry, and Musgrave.

Gelbard, Robert B.: *See*—
Hotz, Harry E., and Gelbard.

Gellman Manufacturing Company, assignee: *See*—
Petskeyes, Charles H.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E., and Ney.
Neumann, Fred W.
Olsen, Robert T.
Randall, David L., and Martin.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W., Mittag, and Phillipi.
Bedford, Burnice D.
Bigelow, John E.
Boyajian, Clement L., Rede, and Dimond.
Cook, Ellsworth D.
Crowley, George C.
De Michele, Domiuick J.
Eagles, Horace W., and Martin.
Felker, George E., Jr.
Garr, Donald E.
Hallstrand, Eric A.
Hudson, James E.
Janos, Alfred G.
McConnell, Andrew J.
Peters, William W.
Sclater, Ivanhoe H.
Seeley, Harold T.
Somerville, Gareth G.
Stapleton, Glenn D.
Stent, Thomas F.
Stephenson, Hugh M.
Summerhayes, Harry R., Jr.
Whitney, Willis R.
Wightman, Lawrence W.

General Glass Equipment Co., assignee: *See*—
Schreiber, Carl W.

General Instrument Corporation, assignee: *See*—
Fisher, Berne N.

General Motors Corporation, assignee: *See*—
Allen, Everett W.
Deo, Clyde W.
Griffith, Baln.
MacKichan, Clare M.
Whittlesey, Leonard D., and Strand.

General Radio Company, assignee: *See*—
Wilson, Harold M.

General Railway Signal Company, assignee: *See*—
Preston, Nell D., and Hitchock.

General Tire and Rubber Company, The, assignee: *See*—
Te Grotenhuis, Theodore A., and Swart.

Geophysical Service, Inc., assignee: *See*—
Olson, Robert W.

George, Harry F., Chicago, Ill. Collapsible top for transportation devices and the like. 2,548,105, Apr. 10.

George, Melvin F., Jr., Los Angeles, and E. V. Kleber, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Stripping agent for polysulfide elastomer coatings. 2,548,718, Apr. 10.

Germain, Stanley A., Glendale, Calif. Electric oil well heater. 2,548,360, Apr. 10.

Getgey, John J., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Ironer with pressure adjustment. 2,548,152, Apr. 10.

Gibbs, John H., and A. H. Andersen, Shawinigan Falls, Quebec, Canada, and A. J. Abbott, St. Louis, Mich., assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Briquetting and product thereof. 2,548,212, Apr. 10.

Gibson, Harold D., New Brighton, N. Y., assignor to Standard Oil Development Company. Compressor pulsation dampener. 2,548,472, Apr. 10.

Gibson, Sarah J., Stockton, Calif. Double compartment bath tub. 2,548,301, Apr. 10.

Gill, Peter L., Osborn, Ohio. Induction heater for axial flow air compressors. 2,547,934, Apr. 10.

Gill, Raymond E., assignor to J. D. Adams Manufacturing Co., Indianapolis, Ind. Change-speed transmission. 2,548,153, Apr. 10.

Gill, Walter W., Riverton, Wyo. Tool joint. 2,548,600, Apr. 10.

Gillespie, Daniel C., Oak Park, assignor to Borg-Warner Corporation, Chicago, Ill. Snap fastener. 2,548,838, Apr. 10.

Gilson, Guy F., Los Angeles, Calif. Machine for cutting arcuate members. 2,548,302, Apr. 10.

Ginwright, Victor M., Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa. Sewing-machine presser foot. 2,548,361, Apr. 10.

Girdler Corporation, The, assignee: *See*—
Walstrom, John E.

Gittins, Harold, Wilkes-Barre, Pa. Automatic parallax adjustment for dual cameras. 2,548,213, Apr. 10.

Glass, Dudley B.: *See*—
Weissberger, Arnold, Glass, and Vittum.

Glendenning, Everett B.: *See*—
Caron, John B. R., Glendenning, and Wies.

Globe Milker Incorporated, assignee: *See*—
Thompson, Elmer B.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Sleeve valve for resonance combustion apparatus. 2,548,430, Apr. 10.

Godowsky, Leopold, Jr., Westport, Conn., assignor to Eastman Kodak Company, Rochester, N. Y. Mixed grain photographic emulsions. 2,548,526, Apr. 10.

Goff, Henry J., Stockton, Calif. Box end assembly machine. 2,548,527, Apr. 10.

Goldberg, Abraham G., Chestnut Hill, Mass. Suspensible child's chair. 2,548,016, Apr. 10.

Goldberg, Alan A., Hampstead, London, and N. L. Thomas, Shepton Mallet, assignors to Ward, Blenkinsop & Company Limited, London, England. Para-hippurylamido salicylic acids and derivatives and manufacture. 2,548,257, Apr. 10.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color facsimile scanning device. 2,548,783, Apr. 10.

Gooderham, Cecil E.: *See*—
Hedstrom, Eric L., Otto, and Gooderham.

Goodgame, Jesse B., assignor to Precision Gear and Machine Company, Charlotte, N. C. Traverse motion drive for spinning and twister frames. 2,548,719, Apr. 10.

Goodman, William L., Jr., Highland Park, assignor to Platt Luggage, Inc., Chicago, Ill. Resilent clasp. 2,548,781, Apr. 10.

Goodnight, Austin G., Laton, Calif. Battery terminal clamp. 2,548,782, Apr. 10.

Goodrich, B. F., Company, The, assignee: *See*—
Bralley, James A.
Fiedorek, Fred T.
Gresham, Thomas L., and Shaver.
Jansen, Jacob E., and Beears.
Miller, Floyd F.
Westfahl, Jerome C., and Sears.
Wolf, Robert J.

Goodson, Luke B., and J. A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic hydrogenation and apparatus therefor. 2,548,015, Apr. 10.

Gora, Henry Z., Stratford, assignor to The Gora-Lee Corporation, Bridgeport, Conn. Machine and method for making jar covers. 2,548,303, Apr. 10.

Gora, Henry Z., Stratford, assignor to The Gora-Lee Corporation, Bridgeport, Conn. Machine and method for making sealing closures. 2,548,304, Apr. 10.

Gora, Henry Z., Stratford, assignor to The Gora-Lee Corporation, Bridgeport, Conn. Machine and method for making sealing closures. 2,548,305, Apr. 10.

Gora, Henry Z., Stratford, assignor to The Gora-Lee Corporation, Bridgeport, Conn. Method and apparatus for molding articles. 2,548,306, Apr. 10.

Gora-Lee Corporation, The, assignee: *See*—
Gora, Henry Z.

Gordon, Edward L., Pittsburgh, Pa. Automatic restoring mechanism for alarm-clock shutoffs. 2,548,362, Apr. 10.

Gosswiller, Earl W., Chicago, Ill., assignor to Federal Enterprises, Inc. Rotatable warning signal light. 2,548,154, Apr. 10.

Gottfried, Louis, New York, N. Y. Antitipping and bumper structure for baby carriages. 2,548,601, Apr. 10.

Grabinski, Philip, Tacoma, Wash., assignor of one-half to R. W. Pointer, Portland, Oreg. Transportation mechanism. 2,547,935, Apr. 10.

Graesser, David A., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary take-up for sewing machines. 2,548,841, Apr. 10.

Grant, Walter A., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Room cooling units embodying control to limit condensation. 2,548,665, Apr. 10.

Gray, Edward W., West Brentwood, N. Y. Drier. 2,548,363, Apr. 10.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record materials. 2,548,364, Apr. 10.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record materials. 2,548,365, Apr. 10.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Manifold record material and making it. 2,548,366, Apr. 10.

Greenburg, Leonard, New York, N. Y. Inflatable dilator. 2,548,602, Apr. 10.

Greenland, Leonard S.: *See*—
Simpson, Thomas, Greenland, and Edwards.

Gregory, Albion H., London, England, assignor to Standard Oil Development Company. Automatic weighing machine. 2,548,473, Apr. 10.

Greist Manufacturing Company, The, assignee: *See*—
Baehr, Carl G.
Connors, John.
Russell, Herbert H.

Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of amides. 2,548,155, Apr. 10.

Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of N-dialkyl hydracrylamides. 2,548,156, Apr. 10.

Gretener, Edgar, Zurich, Switzerland. Telegraph system. 2,548,720, Apr. 10.

Griffith, Baln, assignor to General Motors Corporation, Detroit, Mich. Drive axle. 2,548,258, Apr. 10.

Grobowski, Benny T., assignor to The E. T. Rugg Company, Newark, Ohio. Lawn mower. 2,548,721, Apr. 10.

Groch, Frank O., Jr.: *See*—
Kurtz, Gerald T., and Groch.

Grove, Stephen L., assignor of one-half to H. K. West, Louisville, Ill. Safety crank device. 2,548,666, Apr. 10.

Grow, Harlow B., New Carlisle, Ohio. Ducted rocket propulsion means for aircraft. 2,547,936, Apr. 10.

Gruss, Jack W., Los Angeles, Calif. Egg breaker. 2,548,667, Apr. 10.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gunning, William A.: *See*—
Bernheim, Daniel P., and Gunning.

Gunther, Herman: *See*—
Vollman, Joseph, and Gunther.

Gurkin, Alfred, assignee: *See*—
Vassukos, Leonidas A.

Guyer, Jesse A.: *See*—
Goodson, Luke, and Guyer.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electric signaling system. 2,548,668, Apr. 10.

Hafer, Giles P., Downers Grove, and L. Stastney, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Profiling apparatus. 2,548,669, Apr. 10.

Hafner, Ludwig G. P.: *See*—
Quirk, Justin P., and Hafner.

Hague, Fred, Devon, assignor to Sun Oil Company, Philadelphia, Pa. Tank construction for measuring and dispensing. 2,548,431, Apr. 10.

Haigh, George W., assignor to The Miro-Flex Company, Wichita, Kans. Flare. 2,548,722, Apr. 10.

Hall, David A., Sheridan, Ill. Lift pin for coupling trailer and draft vehicles. 2,548,259, Apr. 10.

Hall, Glen R., Chrichsville, Ohio. Traffic counter. 2,547,937, Apr. 10.

Hall, Reginald H., Sutton, and D. C. Quin, Epsom, England, assignors, by mesne assignments, to Hercules Powder Company. Manufacture of alkyl benzene peroxides. 2,547,938, Apr. 10.

Hall, William H., College Station, Tex. Slip counter. 2,548,307, Apr. 10.

Hallstrand, Eric A., Stratford, Conn., assignor to General Electric Company. Zero backlash gear drive. 2,548,603, Apr. 10.

Haloid Company, The, assignee: *See*—
Sabel, Edward R., and Galbrecht.

Halverson, Gilbert: *See*—
Klein, John D., and Halverson.

Hamilton, Liday E., Sr., Atlanta, Ga. Picker stick strap lug. 2,548,260, Apr. 10.

Hancock, William L., and R. Walsh., assignors to Martin-Senour Company, Chicago, Ill. Apparatus for mixing and dispensing paint. 2,548,106, Apr. 10.

Hanlon & Wilson Company, assignee: *See*—
Wilson, John R.

Hansen, Alfred J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Differential grid blocking system for electronic frequency changers. 2,548,474, Apr. 10.

Hansen, Fred E., Lakewood, Ohio. Valved hose coupling. 2,548,528, Apr. 10.

Hansen, Waldemar S., Cary, assignor to Stewart-Warner Corporation, Chicago, Ill. Pneumatically operated hydraulic press. 2,548,784, Apr. 10.

Harney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Bar feed mechanism for machine tools. 2,548,785, Apr. 10.

Harney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Breech-loading bar feed mechanism. 2,548,786, Apr. 10.

Harris, Charles W., Prescott, Ariz. Latching device for crates. 2,548,367, Apr. 10.

Harris, Robert A.: *See*—
Anderson, Carl M., Harris, and Patton.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Strutt, Maximiliaan J. O., Knol, and van der Ziel.

Hartley, Emmett C., Cleveland, and C. P. Dahl, Euclid, assignors to The Parker Appliance Company, Cleveland, Ohio. Attachment for tanks through which the tank may be filled. 2,548,368, Apr. 10.

Harton, Erskine E., Jr.: *See*—
Ayers, George W., and Harton.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera part latching and guiding construction. 2,548,529, Apr. 10.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Film-winding control and counter for roll-holding cameras. 2,548,530, Apr. 10.

Harwood, James, Western Springs, and P. Du Brow, assignors to Armour and Company, Chicago, Ill. Treating fatty acid nitriles to improve the odor thereof. 2,548,369, Apr. 10.

Hawley Products Company, assignee: *See*—
Thorp, Clark E.

Haydon Manufacturing Company, Inc., assignee: *See*—
Hickey, Robert H.

Hayes, Albert E., Jr., assignor to Bendix Aviation Corporation, Towson, Md. Radio-phonograph oscillator-amplifier. 2,548,531, Apr. 10.

Hayward, Carle R., Quincy, and L. Wright, Marshfield Hills, assignors to New Enterprises, Inc., Boston, Mass. Extraction of tin from ores and concentrates. 2,547,939, Apr. 10.

Hazeltine Research, Inc., assignee: *See*—
Loughren, Arthur V.

Hearn, Theodore, Brooklyn, N. Y. Shaft testing machine. 2,547,940, Apr. 10.

Heberding, Harold E., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Aircraft control system. 2,548,787, Apr. 10.

Hedeman, Walter R., Jr., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Circuit for the generation of a linearly varying current. 2,548,532, Apr. 10.

Hedrick, Glen W., Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Sulfonic acid surface active agent and preparation. 2,548,017, Apr. 10.

Hedrick, Glen W., Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Sulfonic acid surface active agent and preparation. 2,548,018, Apr. 10.

Hedrick, Glen W., Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Sulfonic acid surface active agent and preparation. 2,548,019, Apr. 10.

Hedrick, Glen W., Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Sulfonic acid surface active agent and preparation. 2,548,020, Apr. 10.

Hedrick, Glen W., Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Sulfonic acid surface active agent and preparation. 2,548,021, Apr. 10.

Hedstrom, Eric L., M. C. Otto, and C. E. Gooderham, Buffalo, N. Y. Box or carton stripper machine. 2,548,370, Apr. 10.

Heftler, Paul, Chicago, Ill. Metal-edge filter stack washer. 2,547,941, Apr. 10.

Heller, Frans: *See*—
Huck, William F., and Heller.

Helme, Thomas, Albany, N. Y. Pasteurizing device. 2,548,788, Apr. 10.

Heltzel, Robert E., Warren, Ohio. Dowel attachment and adjusting lock for forms. 2,548,214, Apr. 10.

Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,548,533, Apr. 10.

Henshaw, Thomas A., Elland, assignor to Nu-Swift, Limited, London, England. Fire extinguisher. 2,548,157, Apr. 10.

Hensley, Charles W., Council Bluffs, Iowa. Spring heel construction. 2,548,308, Apr. 10.

Henyan, Clare A., assignor to Newark Stove Company, Newark, Ohio. Nontilt deep well apparatus. 2,548,158, Apr. 10.

Hercules Powder Company, assignee: *See*—
Hall, Reginald H., and Quin.
Lorand, Eugene J., and Reese.

Hergenrother, Rudolf C., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic storage device. 2548,789, Apr. 10.

Herzog, Gerhard: *See*—
Lee, Burton D., and Herzog.

Hess, Alexander M., New York, N. Y. Forming pleats. 2,548,475, Apr. 10.

Hester, Levi C., Jacksonville, Fla. Ditching plow. 2,548,261, Apr. 10.

Hetzel, Henrietta E., assignee: *See*—
Smith, Harry E.

Heyden Chemical Corporation, assignee: *See*—
Klein, David X., and Curgan.

Hickey, Robert H., Glastonbury, assignor to Haydon Manufacturing Company, Inc., Torrington, Conn. Automatic resetting timing switch. 2,548,604, Apr. 10.

Higinbotham, William A., Santa Fe, N. Mex., and F. F. Slack, Medford, Mass., assignors to the United States of America as represented by the Secretary of War. Shaft rotation indicating circuit. 2,548,790, Apr. 10.

Hilger, Adam, Limited, assignee: *See*—
Mensies, Alexander C. G., and Dowell.

Hinderliter Tool Company Division H. K. Porter Company, Inc., assignee: *See*—
Walker, David C.

Hinton, Lewis L., Houston, Tex. Bedcover-supporting means. 2,547,942, Apr. 10.

Hintz, Thomas L., Raymond, Minn. Grain dehydrator and mixer. 2,548,262, Apr. 10.

Hirsch, Frank J., assignor to The Enterprise Manufacturing Co. of Pa., Philadelphia, Pa. Discharge chute and combined valve and agitator actuated by material being dispensed. 2,548,022, Apr. 10.

Hitchock, Forest B.: *See*—
Preston, Nell D., and Hitchock.

Hoard, Halbert W., Milwaukee, Wis. Junction block. 2,548,371, Apr. 10.

Hobson, H. M., Limited, assignee: *See*—
Simpson, Thomas, Greenland, and Edwards.

Hoe, R., & Co., Inc., assignee: *See*—
Huck, William F., and Heller.

Hoeber, Barbara O. W., executrix: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, South Dartmouth, by B. O. W. Hoeber and W. T. Read, executors, Dartmouth, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Picker stick hold-down device. 2,548,432, Apr. 10.

Hofman, Tjako F. H., Hoogezand, and F. L. P. Krizkovsky, Leiden, assignors to N. V. W. A. Scholten's Aardappelmeelfabrieken, Ossemarkt, Groningen, Netherlands. Gelatinized starch. 2,548,263, Apr. 10.

Hoglan, Forest A.: *See*—
Schlaeger, Albert J., and Hoglan.

Hoglund, Ralph H., G. E. Hulstede, and A. J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Automatic focusing circuit. 2,548,791, Apr. 10.

Holland-Rantos Company, Inc., assignee: *See*—
Coel, Leo.

Hoog, Han: *See*—
Houtman, Johannes P. W., Engel, Hoog, and van't Spijker.

Hooker, Donald E.: *See*—
Reynolds, Donald S., Hooker, and Voirol.

Hoosac Mills Corporation, assignee: *See*—
Hoeber, Harold.

Hopffgarten, John H., Boise, Idaho. Radio phonograph attachment. 2,548,372, Apr. 10.

Hopkins, Robert C., Alliance, Ohio. Internal thrust bearing assembly for oil mills lubricated by the material processed. 2,548,792, Apr. 10.

Hopkins, Robert C., Alliance, Ohio. Portable picking machine. 2,548,793, Apr. 10.

Horch, Konrad, Maspeth, N. Y. Casing or cover for a handle or the like. 2,548,215, Apr. 10.

Hord, Joseph B., Maxton, N. C. Drain opener. 2,548,023, Apr. 10.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Stamped metal vehicle wheel. 2,548,107, Apr. 10.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Flow distributor. 2,548,108, Apr. 10.

Horstmann, Frederick G., deceased, Guildford, England; K. M. E. Q. Horstmann and H. H. Norris, executors. Bracket. 2,548,476, Apr. 10.

Horstmann, Kathleen M. E. Q., executrix: *See*—
Horstmann, Frederick G.

Hotz, Harry E., and R. B. Gelbard, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Aircraft engine cooling system. 2,548,794, Apr. 10.

Houdek, Joseph F., Jr., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone set hook-switch apparatus. 2,548,723, Apr. 10.

Houghton, E. F., and Company, assignee: *See*—
Hedrick, Glen W.

Houghton, Howard D., Los Angeles, and T. A. Woolsey, Pasadena, Calif., assignors to Marman Products Co., Inc. Ventilated band clamp. 2,548,216, Apr. 10.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse multiplex system. 2,548,795, Apr. 10.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Double polarity pulse generator system. 2,548,796, Apr. 10.

Houtman, Johannes P. W., W. F. Engel, H. Hoog, and P. van't Spijker, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Group VIII silicate catalyst on nonsiliceous support. 2,548,159, Apr. 10.

Howe, James A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Tumbling process for bearing assemblies. 2,548,264, Apr. 10.

Howey, Walter, Demarest, N. J. Biasing system for magnetic recorders. 2,548,109, Apr. 10.

Huck, William F., Forest Hills, and F. Heller, Mount Vernon, assignors to R. Hoe & Co., Inc., New York, N. Y. Doctor blade reciprocating mechanism for intaglio printing machines. 2,548,217, Apr. 10.

Hudson, James E., Schenectady, N. Y., assignor to General Electric Company. Excitation and control system for electronic devices. 2,548,605, Apr. 10.

Huffaker, John E., Portland, Oreg. Folding game board with playing piece receptacles. 2,548,606, Apr. 10.

Hulstede, George E.: *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.

Hunter, William A., assignor to Chrysler Corporation, Highland Park, Mich. Engine lubricating system. 2,548,160, Apr. 10.

Huntaberry, James J., Kansas City, Mo. Manually manipulable toy in the nature of an animated, climbing figure. 2,547,943, Apr. 10.

Hurvitz, Hyman, Washington, D. C., assignor to Melpar, Inc., Alexandria, Va. Magnetic gearing system. 2,548,373, Apr. 10.

Hutchison, Miller B., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Reel spindle. 2,548,534, Apr. 10.

Hutten, Henry B., Arlington Heights, Ill. Adjustable sectional sun visor. 2,548,309, Apr. 10.

Hyatt, Arnold J., Richmond Hill, assignor to A. F. Smuckler & Co., Inc., Brooklyn, N. Y. Attenuator. 2,548,024, Apr. 10.

Hyatt, Morris, Philadelphia, Pa. Circumcision instrument. 2,548,670, Apr. 10.

Hyde, George J.: *See*—
Sampson, Frederick W., and Hyde.

Iannone, Armand A., Corona, and L. La Polla, East Elmhurst, N. Y. Combined toothbrush holder and tooth paste tube dispenser. 2,548,535, Apr. 10.

Idaho Sprocket and Machine Works, assignee: *See*—
Schrock, Daniel A.

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclic polymeric organo silicates and preparing same. 2,547,944, Apr. 10.

Imperia, assignee: *See*—
Mathieu, Adelin A.

Imperial Chemical Industries Limited, assignee: *See*—
Ashcroft, Donald G., and Stewart.
Curd, Francis H. S., and Rose.
Taylor, James.
Whetstone, John, and Taylor.

Industrial Rayon Corporation, assignee: *See*—
McCormack, Robert J.

Ingwer, Max, New York, and W. W. Schwartz, Jackson Heights, assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Seam ripping knife. 2,548,797, Apr. 10.

International Minerals & Chemical Corporation, assignee: *See*—
Schlaeger, Albert J., and Hoglan.

Irons, Ross C., deceased, Bellevue, Ohio, by B. Irons, administrator, Clyde, assignor, by mesne assignments, to The Fremont Kraut Company, Fremont, Ohio. Cabbage washing and stripping machine. 2,548,798, Apr. 10.

Irons, Roy, administrator: *See*—
Irons, Ross C.

Jackson, Robert A. F., Bearsden, Scotland. Stove heated by gas or electricity. 2,548,218, Apr. 10.

Jacobs, Harold, St. Albans, N. Y., assignor to Sylvania Electric Products Inc. Activating oxide coated cathodes. 2,548,110, Apr. 10.

Jamestown Metal Equipment Company, Inc., assignee: *See*—
Briggs, Allan L., and Oberg.

Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Flow-controlling device for refrigerators. 2,548,608, Apr. 10.

Jansen, Jacob E., Akron, and W. L. Bears, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-chloro acyl chloride. 2,548,161, Apr. 10.

Janson, Theodore J., assignor to Air-Maze Corporation, Cleveland, Ohio. Relief valve. 2,548,374, Apr. 10.

Jenkins, Richard, Philadelphia, Pa., assignor to Radio Corporation of America. Interlaced scanning in a television system. 2,548,219, Apr. 10.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. System for conveying traffic data to aircraft. 2,547,945, Apr. 10.

Jenn, Louis J., Berea, Ohio. Ventilator. 2,548,607, Apr. 10.

Jennings, Wendell W., San Francisco, Calif. Cigarette case and dispenser. 2,548,310, Apr. 10.

Jessen, John D., O'Hara Township, Allegheny County, assignor to Blaw-Knox Company, Pittsburgh, Pa. Inside form for casting elongated hollow concrete structures. 2,547,946, Apr. 10.

Jindrich, Joseph, Marengo, Iowa. Winch operated vertically adjustable scaffold. 2,548,265, Apr. 10.

Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Compressor arrangement for internal-combustion engine exhausting combustion products to another engine. 2,548,609, Apr. 10.

Johns, Henry S., Cleveland Heights, Ohio, W. H. Johns, Joliet, and A. D. Sinden, Aurora, Ill., assignors to Stephens-Adamson Mfg. Co. Conveyer discharge mechanism. 2,548,111, Apr. 10.

Johns, William H.: *See*—
Johns, Henry S. and W. H., and Sinden.

Johnson, Edwin P.: *See*—
Marchant, Ira A., and Johnson.

Johnson, Harold R., Washington, D. C. Clothespin. 2,548,536, Apr. 10.

Johnson, Roy W., and L. V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation. Pump. 2,548,799, Apr. 10.

Johnson, Stanley J.: *See*—
Bicknell, John A., and Johnson.

Johnson, Steve, Concord, Calif. Adjustable leg ladder. 2,548,311, Apr. 10.

Joncas, Phillip A., Hollywood, Calif. Swing. 2,548,375, Apr. 10.

Jones, Harry, Rochdale, and C. Musgrave, assignors to The Geigy Company Limited, Manchester, England. Coloration of polyvinyl plastics. 2,548,376, Apr. 10.

Jones, Judson C., assignor of one-third to L. R. Samer, and one-third to T. M. Samer, Joplin, Mo. Oil well reamer. 2,548,724, Apr. 10.

Jones, Wilford D., Summit, N. J., assignor to Celanese Corporation of America. Production of diesters of succinic acid. 2,548,025, Apr. 10.

Jones, William W., assignee: *See*—
Frantz, Paul E.

Joy Manufacturing Company, assignee: *See*—
Osgood, Charles F.

Judson, William D., Otis, Mass. Ski tow device. 2,548,800, Apr. 10.

Justis, David W., Charlotte, N. C. Nozzle. 2,548,725, Apr. 10.

Kaasa, Orin G., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for pyrolytic conversion of hydrocarbons. 2,548,026, Apr. 10.

Kahan, Charles, Los Angeles, Calif. Electrostatic coating apparatus. 2,548,477, Apr. 10.

Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle. 2,548,726, Apr. 10.

Kaminky, Oscar H., South Milwaukee, Wis., assignor to McGraw Electric Company, Resistor type isolator for lightning arresters. 2,548,112, Apr. 10.

Kapitza, Peter L., Moscow, Union of Soviet Socialist Republics. Producing liquid air rich in oxygen. 2,548,377, Apr. 10.

Karels, Amanda O., Young America, Minn. Diaper. 2,548,162, Apr. 10.

Katz, Saul L., Rochester, N. H. Laminated insole for welt shoes. 2,548,266, Apr. 10.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Drier. 2,548,313, Apr. 10.

Kaufman, Daniel, assignor, by mesne assignments, to The Oil Equipment Manufacturing Corporation, New Haven, Conn. Sheet metal furnace baffle. 2,548,312, Apr. 10.

Kaufmann Corporation, The, assignee: *See*—
Kaufmann, Harry A.

Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Handle structure for screen sashes. 2,548,163, Apr. 10.

Kavanagh, Frederick W., New York, N. Y. Apparatus for counting bacterial colonies. 2,548,478, Apr. 10.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,548,479, Apr. 10.

Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B., Lukey, Riedel, and Boehmer.

Keith, Kenneth M.: *See*—
Ronning, Martin, and Keith.

Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc transferring means for switchgears. 2,548,220, Apr. 10.

Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fluid pressure actuated switch. 2,548,221, Apr. 10.

Kellogg Switchboard and Supply Company, assignee: *See*—
Bakker, Pier.
Houdek, Joseph F., Jr.

Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.

Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulose ester lithographic printing plates. 2,548,537, Apr. 10.

Kerr, Alexander H., & Co., Inc., assignee: *See*—
Sachs, Carrol C., and Bond.

Kesel, Edwin H., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for manufacturing screw sticks. 2,548,538, Apr. 10.

Kincaid, John F., Mount Holly, N. J., and J. S. Strong, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of nickel carbonyl. 2,548,727, Apr. 10.

Kincaid, John F., Mount Holly, N. J., and J. S. Strong, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of nickel carbonyl. 2,548,728, Apr. 10.

Kincaid, Wade A., Navy Yard, S. C. Card holder for display fixtures. 2,548,027, Apr. 10.

Kindseth, Harold V., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Apparatus for filling bags. 2,548,222, Apr. 10.

Kinney, Raymond L., Sr., Atlanta, Ga. Magnetic shaving collector for drills. 2,548,314, Apr. 10.

Kittleson, Allen R., Cranford, and M. W. Swaney, Westfield, N. J., assignors to Standard Oil Development Company. Fungicidal compositions containing nitromethanal phenyl hydrozones. 2,548,480, Apr. 10.

Klammer, William C., assignor to Automatic Electric Manufacturing Company, Mankato, Minn. Circuit for timing devices. 2,548,028, Apr. 10.

Kleber, Eugene V.: *See*—
George, Melvin F., Jr., and Kleber.

Klee, Henry O.: *See*—
Sparks, Carter W., Klee, and Sparks.

Klein, David N., Passaic, and M. N. Curgan, Clifton, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Plastisols containing nitrogehous viscosity controlling agents. 2,548,433, Apr. 10.

Kleinfeld, Ewald H., Saginaw, Mich. Finger splint. 2,548,378, Apr. 10.

Kleis, John D., Lake Forest, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrical contact. 2,548,164, Apr. 10.

Kleis, John D., Lake Forest, and G. Halverson, Libertyville, assignors to Fansteel Metallurgical Corporation, North Chicago, Ill. Contact assembly. 2,547,947, Apr. 10.

Knapp, William E., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Gang connection for disk harrows. 2,548,539, Apr. 10.

Knol, Kornelis S.: *See*—
Strutt, Maximiliaan J. O., Knol, and van der Ziel.

Knowler, Henry, Ryde, and A. E. Swain, assignors to Saunders-Roe Limited, East Cowes, Isle-of-Wight, England. Flying control for aircraft. 2,548,481, Apr. 10.

Koch, Henry, Harrisburg, Pa. Kitchen utensil for coring frankfurters. 2,548,165, Apr. 10.

Kokowicz, Stanley E.: *See*—
Walker, Joseph F., and Kokowicz.

Koppers Company, Inc., assignee: *See*—
Marshall Charles H.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Forming magnetic record members from a papermaking fibers slurry. 2,547,948, Apr. 10.

Konril, Frank, Springfield, Mass. Vertically adjustable crop spraying attachment. 2,548,482, Apr. 10.

Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional radio reception. 2,548,671, Apr. 10.

Krieger, Gardner L.: *See*—
Morton, George A., and Krieger.

Krizkovsky, Fritz L. P.: *See*—
Hofman, Tjako F. H., and Krizkovsky.

Kruse, John R., Maplewood, N. J., assignor to Combustion Engineering-Superheater, Inc. Handhole refacing tool. 2,548,113, Apr. 10.

Kumpman, Daniel, Dover, N. J. Fountain brush with separate handle, container, and brush base. 2,548,729, Apr. 10.

Kunstadter, Sigmund W., assignor to The Formfit Company, Chicago, Ill. Lady's foundation garment. 2,548,730, Apr. 10.

Kurland, Julius, Forest Hills, N. Y. Lock for bracelets or the like. 2,548,315, Apr. 10.

Kurtz, Gerald T., Piedmont, and F. O. Groch, Jr., Berkeley, Calif., assignors to Pabco Products Inc. Plastic coated roofing. 2,548,029, Apr. 10.

Lambert, Oswald, Tamise, Belgium. Spinning machine. 2,548,610, Apr. 10.

Lammersen, Joseph E., assignee: *See*—
Lammersen, Walter R.

Lammersen, Walter R., North Hollywood, assignor to W. R. and J. E. Lammersen, doing business as Landell Manufacturing Company, Los Angeles, Calif. Self-kindling fuel unit. 2,548,379, Apr. 10.

Land, Anthony H.: *See*—
Sprague, James M., and Land.

Landell Manufacturing Company, assignee: *See*—
Lammersen, Walter R.

La Polla, Louis: *See*—
Iannone, Armand A., and La Polla.

La Roche, Frances D.: *See*—
Potts, Esther B., and La Roche.

Larson, George A., Rockford, Ill. Abrasive sleeve holder. 2,548,166, Apr. 10.

Latham, Orel J., Canton, Ohio. Ladder jack. 2,548,380, Apr. 10.

Latta, James E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Forming highly active catalytic surfaces. 2,548,801, Apr. 10.

Lawson, Elmer J.: *See*—
Mooradian, Aram, Lawson, and Suter.

Lawson, Elmer J., East Greenbush, C. J. Cavillito, Ravena, and A. Mooradian, Troy, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Lower alkoxy-alkanoates of hydroxylated hormones and producing same. 2,547,949, Apr. 10.

Lazan, Benjamin J., Greenwich, Conn., assignor to Baldwin-Lima-Hamilton Corporation. Fatigue testing machine. 2,548,381, Apr. 10.

Leaders, William M., Chicago, Ill., assignor, by mesne assignments, to Swift & Company. Selective extraction and fractionation of fatty materials. 2,548,434, Apr. 10.

Lee, Burton D., and G. Herzog, Houston, Tex., assignors to The Texas Company, New York, N. Y. Electrical analogue. 2,547,950, Apr. 10.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for heating fluids to high temperatures. 2,548,030, Apr. 10.

Lefkowitz, I., & Sons, Inc., assignee: *See*—
Whipple, Jack V.

Lehde, Henry C., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Reversible step motor. 2,548,731, Apr. 10.

Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,548,223, Apr. 10.

Leichtle, Eugene M., Milwaukee, Wis. Thermostatically released furnace draft checking safety device. 2,548,267, Apr. 10.

Leitman, Aleck, Miami, Fla. Clamping means and device provided therewith. 2,548,483, Apr. 10.

Leonelli, Bruno: *See*—
Chester, Allan E., and Leonelli.

Leupold, Marcus, assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg. Telescope mount with snap rings. 2,548,031, Apr. 10.

Leupold & Stevens Instruments, Inc., assignee: *See*—
Leupold, Marcus.

Levee, Harry A., New York, N. Y. Signal tab-removing device. 2,548,484, Apr. 10.

Levin, Irvin, Baltimore, Md. Rectifier. 2,547,951, Apr. 10.

Levy, Hilton B.: *See*—
Wallerstein, James S., Schade, and Levy.

Lewis, Morgan J., Philadelphia, Pa. Meter and meter socket. 2,548,540, Apr. 10.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiresonant wave-guide structure. 2,548,672, Apr. 10.

Lewton, Ross, assignor to Chrysler Corporation, Highland Park, Mich. Shock absorber mounting. 2,548,167, Apr. 10.

Light, Harold L., United States Army, Lewistown, Pa. Machine for removing dust from fabrics. 2,547,952, Apr. 10.

Lind, Hugo W., Jr., Detroit, Mich. Fishing apparatus. 2,548,224, Apr. 10.

Linden, Herbert E., assignee: *See*—
Woock, Herbert J.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America, Generating and/or controlling electrical energy. 2,548,225, Apr. 10.

Linscott, Chester E., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the particle size of synthetic rubber latices. 2,548,802, Apr. 10.

Lipe-Rollway Corporation, assignee: *See*—
Harney, Bernard C.

Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Switch box. 2,548,732, Apr. 10.

Little, Donald M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Increased olefin recovery in a petroleum refinery. 2,548,032, Apr. 10.

Little, Ernest L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process. 2,548,803, Apr. 10.

Locke, Burton H., Framingham, Mass. Belt traction means for V-pulleys. 2,548,316, Apr. 10.

Lockheed Aircraft Corporation, assignee: *See*—
George, Melvin F. Jr., and Kleber.

Loewy Engineering Company Limited, The assignee: *See*—
Fernbach, Hans R.

Loewy, Erwin, assignee: *See*—
Wood, Frank J., Jr.

Long, Douglas P., Chislehurst, assignor to Siemens Brothers & Co. Limited, London, England. Marker control apparatus for group selectors. 2,548,673, Apr. 10.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for pumping concrete. 2,548,733, Apr. 10.

Lorand, Eugene J., and J. E. Reese, assignors to Hercules Powder Company, Wilmington, Del. Oxidation of aromatic hydrocarbons. 2,548,435, Apr. 10.

Loughren, Arthur V., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Television receiver background control circuit. 2,548,436, Apr. 10.

Lovelace, Frank S. and J. G., Birmingham, Ala. Explosive type fire alarm. 2,548,382, Apr. 10.

Lovelace, James G.: *See*—
Lovelace, Frank S. and J. G.

Lovell Manufacturing Company, assignee: *See*—
Kauffman, Walter L., II.

Lovett, Roger A.: *See*—
Gary, Wright W., and Lovett.

Lubbock, Isaac, London, England, assignor to Shell Development Company, San Francisco, Calif. Combustion chamber lining. 2,548,485, Apr. 10.

Luce Manufacturing Company, assignee: *See*—
Luce, Richard W.

Luce, Richard W., Southport, Conn., assignor to Luce Manufacturing Company, Groton, Vt. Food receptacle with desiccant. 2,548,168, Apr. 10.

Lukey, John B.: *See*—
Armitage, Joseph B., Lukey, Riedel, and Boehmer.

Lynch, Charles S., Plainfield, N. J., assignor to Standard Oil Development Company. Production of industrial gas. 2,548,486, Apr. 10.

Lynch, Ralph S.: *See*—
Fisher, Samuel C., and Lynch.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,547,953, Apr. 10.

Lyon Industries, Inc., assignee: *See*—
Reynolds, Donald S., Hooker, and Voirol.

Lyon, John C., Upper Darby, assignor to The Budd Company, Philadelphia, Pa. Room arrangement for sleeping cars. 2,548,294, Apr. 10.

M & J Diesel Locomotive Filter Corporation, assignee: *See*—
Morris, John P.

Mabry, Forrest S., and W. R. Wilson, Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio receiver. 2,548,383, Apr. 10.

MacBlane, James, Elmira, N. Y. Fishing reel. 2,548,317, Apr. 10.

MacDonald, Jessie L., Fort Myers, Fla. Hair trap for washbasins. 2,548,541, Apr. 10.

Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Electronic controlled relay. 2,548,542, Apr. 10.

Mackichan, Clare M., assignor to General Motors Corporation, Detroit, Mich. Vehicle door handle assembly. 2,548,115, Apr. 10.

MacLeod, Angus, Boston, Mass. Work supporting and clamping stand. 2,548,114, Apr. 10.

Madden, Glenn B., San Francisco, Calif. Axially shifting type jack operated tire removing device. 2,548,033, Apr. 10.

Maiden Form Brassiere Co., Inc., assignee: *See*—
Rosenthal, William.

Maier, Bernard C., Canby, Minn. Planting sight. 2,548,226, Apr. 10.

Major, Paul, assignee: *See*—
Mollskey, Anthony.

Major, Stephen C., Woodstock, N. Y. Electrical kitchen appliance. 2,548,034, Apr. 10.

Mantagas, John, Brooklyn, N. Y. Cabinet with disappearing ironing board. 2,548,437, Apr. 10.

Mapes, Daniel, West Caldwell, and A. E. Schmidlin, Caldwell, assignors to Specialties Development Corporation, Belleville, N. J. Apparatus for discharging liquid by a medium stored under pressure. 2,547,954, Apr. 10.

Marchant, Ira A., and E. P. Johnson, Oroville, Wash. Pollenizing device. 2,548,487, Apr. 10.

Mardigian Corporation, assignee: *See*—
Condak, Edward.

Marman Products Co., Inc., assignee: *See*—
Houghton, Howard D., and Woolsey.
Woolsey, Theodore A.

Marsden, Ernest B., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,548,227, Apr. 10.

Marsh, Hallock S., Philadelphia, Pa. Vectorial and mathematical calculator. 2,547,955, Apr. 10.

Marshall, Charles H., Crafton, assignor to Koppers Company, Inc., Pittsburgh, Pa. Floating fire-prevention equipment. 2,548,384, Apr. 10.

Marshall, William C., Oakland, Calif. Movable electrode tube. 2,548,385, Apr. 10.

Martin, Charles B.: *See*—
Eagles, Horace W., and Martin.

Martin-Senour Company, assignee: *See*—
Hancock, William L., and Walsh.

Martin, Tellis A.: *See*—
Randall, David I., and Martin.

Maslin, John A., Claymont, Del., assignor to Allied Chemical & Dye Corporation. Apparatus for filling and weighing containers. 2,548,611, Apr. 10.

Mataré, Herbert F., Vaucresson, assignor to Societe Anonyme dite Compagnie des Freins & Signaux Westinghouse, Paris, France. Attenuator for very high frequency waves. 2,548,116, Apr. 10.

Matejicka, Joseph, assignee: *See*—
Powasnick, George.

Mathey, Alcide E., Allaton, assignor to Scully Signal Company, East Cambridge, Mass. Insertable vent pipe. 2,548,734, Apr. 10.

Mathieu, Adelin A., Ensival, Belgium, assignor to Imperia. Machine for sharpening tools, especially those of tungsten-carbide. 2,548,386, Apr. 10.

May, George A., Lebanon, Pa. Pulley. 2,548,387, Apr. 10.

May, Hugh V. H., Stratford, London, England. Hollow ware article. 2,548,035, Apr. 10.

Maytag Company, The, assignee: *See*—
Smith, Thomas R.

McCarty, Lourdes V.: *See*—
Johnson, Roy W., and McCarty.

McClure, Glenn T., McKeesport, and E. G. Erson, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,548,674, Apr. 10.

McCollum, Henry J. D., deceased, by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion apparatus. 2,548,804, Apr. 10.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McConnell, Andrew J., Delmar, N. Y., assignor to General Electric Company. System of backup protection and carrier-current blocking for an electrical power system. 2,548,612, Apr. 10.

McCormack, Robert J., Perry, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Vibration dampener for spindle lubricant reservoirs. 2,548,675, Apr. 10.

McCray, Donald C., Fairview, Pa. Occupant propelled roundabout. 2,548,228, Apr. 10.

McCrorey, Robert C., Peoria, Ill. Counterbalancing attachment for wheels. 2,548,842, Apr. 10.

McDonald, William E., Salt Lake City, Utah. Dock plate. 2,547,956, Apr. 10.

McGraw Electric Co., assignee: *See*—
Kaminky, Oscar H.
Steinmayer, Alwin G.

McLoughlin, Joseph R., Fort Washington, assignor to Rohm & Haas Company, Philadelphia, Pa. Multicellular acrylic resin. 2,548,438, Apr. 10.

Meadows, George W., Irvington, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Piston ring seal. 2,547,957, Apr. 10.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Compositions and methods using reduction-sensitive vat dyes and inorganic nitrites. 2,548,543, Apr. 10.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Compositions and methods using reduction-sensitive vat dyes and inorganic halogenates. 2,548,544, Apr. 10.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Pyranthrone dye composition comprising an inorganic nitrite and dyeing. 2,548,545, Apr. 10.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Pyranthrone composition comprising an inorganic halogenate and dyeing. 2,548,546, Apr. 10.

Mecres, S. A., assignee: *See*—
Stern, Maurice.

Meletti, Adolph, assignor to The Vacuum Cleaner Corporation of America, Philadelphia, Pa. Springmaking. 2,548,735, Apr. 10.

Melia, Harry C., Fairfield, Conn. Moving route indicator. 2,548,488, Apr. 10.

Melpar, Inc., assignee: *See*—
Butts, Robert S.
Cunningham, Russell E.
Hurvitz, Hyman.

Melrose, Robert L., Coral Gables, Fla. Sectional pad. 2,548,547, Apr. 10.

Mendenhall, Earl, San Marino, assignor to Sterling Electric Motors, Inc., Los Angeles, Calif. Lubricant director. 2,548,229, Apr. 10.

Menzies, Alexander C. G., and J. H. Dowell, assignors to Adam Hilger Limited, London, England. Concave grating spectrograph of the Rowland type. 2,548,548, Apr. 10.

Mercury Manufacturing Company, The, assignee: *See*—
Milz, Harold E., and Sichman.

Metager, Charles S., Morris Plains, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter meshing means. 2,548,268, Apr. 10.

Metz, George F.: *See*—
Morrison, George O., and Metz.

Meyer, Alvin D.: *See*—
Pifer, Marion J., and Meyer.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Roll holding camera with movable spool section. 2,548,549, Apr. 10.

Milborn, Edward A., Baldwin, N. Y. Radiant panel heating for buildings. 2,548,036, Apr. 10.

Miles, John R., Des Plaines, assignor to Chicago Aerial Survey Company, Chicago, Ill. Optical system for objectives and eyepieces. 2,547,958, Apr. 10.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifugal fuel feeding system for annular combustion chambers. 2,547,959, Apr. 10.

Miller, Floyd F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of polyvinylidene cyanide solutions. 2,548,169, Apr. 10.

Miller, Herman, Furniture Company, assignee: *See*—
Eames, Charles.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Vaporizing type oil burner. 2,548,117, Apr. 10.

Miller, Robert A.: *See*—
Olson, Henry L., and Miller.

Milz, Harold E., and J. J. Sichman, Jr., assignors to The Mercury Manufacturing Company, Chicago, Ill. Rotary brush sweeper attachment for power vehicles. 2,548,676, Apr. 10.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Gealt, Arthur E.
Underwood, Orville J.

Minneapolis-Moline Company, assignee: *See*—
Knapp, William E.
Ronning, Martin, and Keith.
Slathar, Arthur.

Minnick, Leonard J., Cheltenham, and C. R. Brown, Llanerch, assignors to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Recovering lithium values from dilithium sodium phosphate. 2,548,037, Apr. 10.

Minter, Clarke C., East Orange, N. J. Hygrometer. 2,548,550, Apr. 10.

Miro-Flex Company, The, assignee: *See*—
Haigh, George W.

Missouri Automatic Control Corporation, assignee: *See*—
Allan, William J.
Garner, Claude M.
Smith, Carl A.

Mittag, Albert H.: *See*—
Alexanderson, Ernst F. W., Mittag, and Phillipi.

Modern Collet & Machine Company, assignee: *See*—
Firmin, Fred.

Moeller, Max D.: *See*—
Rountree, Roy S., and Moeller.

Moeller, William R., College Point, assignor to Superior Fire Equipment Corporation, New York, N. Y. Fire escape ladder. 2,548,843, Apr. 10.

Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Wrinkle finishes. 2,548,388, Apr. 10.

Moffett, Frank W., Jr., Gates, N. Y. Pressure fluid operated apparatus for throwing heavy objects. 2,548,439, Apr. 10.

Moir, Robert B., and O. I. Stangeland, assignors to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Casing structure for reduction drive units. 2,548,805, Apr. 10.

Mojonnier Bros. Co., assignee: *See*—
Cross, Joseph A.

Molins Machine Company Limited, assignee: *See*—
Ruau, Felix F.

Mollskey, Anthony, San Pedro, Calif., assignor to L. N. Mollskey and P. Major. Fluid pressure actuated lifting apparatus. 2,548,038, Apr. 10.

Mollskey, Leona N., assignee: *See*—
Mollskey, Anthony.

Molyneux & Aspinwall, Inc., assignee: *See*—
Molyneux, Cecil P.

Molyneux, Cecil P., Hampton Bays, assignor to Molyneux & Aspinwall, Inc., Flushing, N. Y. Welding mask. 2,548,230, Apr. 10.

Monsanto Chemical Company, assignee: *See*—
Basdekis, Costas H.
Fitz Simons, Ogden.
Norris, Forrest H.

Monson, Alon A., Livingston, Mont. Cable controlled dump box. 2,548,613, Apr. 10.

Monte, José M., assignee: *See*—
Pinto, Frank.

Montgomery, Clarence G., North Granby, Conn. Preselection time control device. 2,547,960, Apr. 10.

Montour, Arthur H., assignor, by mesne assignments, to Skarnes Engineering & Supply, Inc., Minneapolis, Minn. Load lifting and transporting apparatus. 2,548,806, Apr. 10.

Mooradian, Aram: *See*—
Lawson, Elmer J., Cavallito, and Mooradian.

Mooradian, Aram, Troy, E. J. Lawson, East Greenbush, and C. M. Suter, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Lower alkylmercaptoalkanoates of hydroxylated hormones and producing same. 2,547,961, Apr. 10.

Morberg, Kenneth F., assignor to Henry A. Torstenson, Chicago, Ill. Tacker. 2,548,736, Apr. 10.

Morgan, Myles, Worcester, and N. T. Werthessen, Sherborn, assignors to Worcester Foundation for Experimental Biology, Shrewsbury, Mass. Pneumatic type pulsator. 2,548,807, Apr. 10.

Morgan, William C., New York, N. Y. Ellipse compass. 2,548,039, Apr. 10.

Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Multiplex phase generator. 2,548,737, Apr. 10.

Morris, John P., Hinsdale, assignor to M & J Diesel Locomotive Filter Corporation, Chicago, Ill. Filter. 2,548,440, Apr. 10.

Morrison, Charles A., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for inspection of sensitized materials. 2,548,551, Apr. 10.

Morrison, George O., Milltown, N. J., and G. F. Metz, Diamond Point, N. Y. Form-stable molding composition. 2,547,962, Apr. 10.

Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. X-ray apparatus. 2,548,489, Apr. 10.

Morrison, Russell A., Detroit, Mich. Ballast removal apparatus. 2,548,677, Apr. 10.

Morrison, Willard L., Lake Forest, Ill. Refrigerator and evaporator therefor. 2,548,441, Apr. 10.

Morse, Albert H., Beverly, Mass. Combination draft window and screen. 2,548,040, Apr. 10.

Morse, Albert H., Beverly, Mass. Window appliance. 2,548,041, Apr. 10.

Morton, George A., and G. L. Krieger, Princeton, N. J., assignors to Radio Corporation of America. Analyzing optical images. 2,548,118, Apr. 10.

Mosher, Kenneth L., Riceville, Iowa. Electric semiautomatic door operator. 2,548,042, Apr. 10.

Moth, Robert H., assignor to The Pure Oil Company, Chicago, Ill. Spark plug. 2,548,170, Apr. 10.

Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.
Miller, John W.

Muehler, Lowell E., assignor to Eastman Kodak Company, Rochester, N. Y. Acidifying compound for photographic baths. 2,548,552, Apr. 10.

Mueller, Albert C.: *See*—
Shokal, Edward C., and Mueller.

Muhlhauser, Fritz, Chicago, Ill. Child's book. 2,548,043, Apr. 10.

Muller, Oscar A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Depth and angle gauge. 2,548,490, Apr. 10.

Musgrave, Clifford: *See*—
Jones, Harry, and Musgrave.

Myers, Clarence E., Cuyahoga Falls, assignor to Summit Steel Products, Inc., Akron, Ohio. Adjustable post. 2,548,844, Apr. 10.

Myers, Louis, Rockford, Ill. Agitator for drink mixers. 2,548,442, Apr. 10.

N. V. W. A. Scholten's Aardappelmeelfabrieken, Ossemarkt, assignee: *See*—
Hofman, Tjako F. H., and Krizkovsky.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of acylcarbamylguanidines. 2,548,231, Apr. 10.

Nakasone, Robert T.: *See*—
Semm, Paul T., and Nakasone.

Nathenson, M., assignee: *See*—
Cadalzo, Alvaro.

National Cash Register Company, The, assignee: *See*—
Green, Barrett K., and Sandberg.

National Lead Company, assignee: *See*—
Shavens, Orvel C.

National Supply Company, The, assignee: *See*—
Chamberlain, George R.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Mabry, Forrest S., and Wilson.

Neal, Morris P., Quincy, Ill., assignor to A-B-C Packaging Machine Corporation. Box flap gluing device. 2,547,963, Apr. 10.

Neal, Wayne M., Gainesville, Fla., assignor, by Decree of Court, to the State of Florida, The State Board of Education of Florida, and State Board of Control. Treatment of fruit wastes. 2,548,510, Apr. 10.

Neale, Fred, Coventry, England. Brake adjusting device. 2,548,044, Apr. 10.

Neikirk, Floyd E., Clyde, Ohio. Clip board. 2,548,389, Apr. 10.

Neumann, Fred W., Nazareth, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 4-hydroxy-2-alkylbenzimidazoles as azo coupling components in diazo types. 2,548,845, Apr. 10.

Neves, Alfred S., Honolulu, Territory of Hawaii. Perpetual calendar. 2,548,553, Apr. 10.

Newark Stove Company, assignee: *See*—
Henyan, Clare A.
Walton, Arthur K., and Cline.

New England Box Company, The, assignee: *See*—
Bowers, Harold E.

New Enterprises, Inc., assignee: *See*—
Hayward, Carle R., and Wright.

New York Air Brake Company, The, assignee: *See*—
Elsworth, John Van Varick.

Ney, William O., Jr.: *See*—
Barnes, Carl E., and Ney.

Nichols, Harry J., New York, N. Y. Amplitorque controllable pitch propeller. 2,548,045, Apr. 10.

Nichols, Nathan P., Danvers, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Continuous-strip anode for magnetrons. 2,548,808, Apr. 10.

Nicholson, William H., Woodbury, N. J. Lawn swing. 2,548,443, Apr. 10.

Nivison, Wade S., New York, and E. O. Wangerin, assignors to Eastman Kodak Company, Rochester, N. Y. Projection viewing apparatus. 2,548,554, Apr. 10.

Noble & Wood Machine Company, The, assignee: *See*—
Dodge, George W.

Noguera, Joseph, assignor to Casablancas High Draft Company Limited, Manchester, England. Drafting mechanism in spinning or like machines. 2,548,232, Apr. 10.

Nordquist, Ronald E. J., Maplewood, and B. A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y. Sheet gauging apparatus. 2,547,964, Apr. 10.

Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Wheel balancer pickup unit. 2,548,809, Apr. 10.

Norris, Forrest H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing polystyrene dispersions. 2,548,318, Apr. 10.

Norris, Harold H., executor: *See*—
Horstmann, Frederick G.

North American Aviation, Inc., assignee: *See*—
Broadston, James A.

North American Research Corporation, assignee: *See*—
Carnes, Herbert W.

Nottingham, Ralph K., Portland, Oreg., assignor, by mesne assignments, to Phillips Tutch Latch Co., New York, N. Y. Latching device. 2,548,046, Apr. 10.

Novi Equipment Company, assignee: *See*—
Welch, Harry J.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Device for introducing motion into sealed casings. 2,548,555, Apr. 10.

Nu-Swift, Limited, assignee: *See*—
Henshaw, Thomas A.

Obenour, George G., San Francisco, assignor, by mesne assignments, to G. Dissinger, Davis, Calif. Electric switch. 2,548,678, Apr. 10.

Oberg, Gunnard A.: *See*—
Briggs, Allan L., and Oberg.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio receiving apparatus. 2,548,233, Apr. 10.

Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator for clutches. 2,548,269, Apr. 10.

Ogren, Ernest O., Muskegon, Mich. Glazing strip. 2,548,556, Apr. 10.

Oil Equipment Manufacturing Corporation, The, assignee: *See*—
Kaufman, Daniel.

Oilgear Company, The, assignee: *See*—
Ferris, Walter.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Reaction of alkylphenol, tertiary amine and epihalohydrin. 2,547,965, Apr. 10

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals, Inc. Preparation of alkylthiohydroxypropyl quaternary ammonium halides. 2,548,679, Apr. 10.

Oliver, Thomas A., Jr., Philadelphia, Pa. Machine and method for joining plain and ribbed fabrics. 2,548,234, Apr. 10.

Olsen, Charles H., Stanmore, New South Wales, Australia, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Red lead and producing same. 2,548,047, Apr. 10.

Olsen, Charles H., Stanmore, New South Wales, Australia, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Zinc paste. 2,548,048, Apr. 10.

Olsen, Robert T., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of saturated aldehydes from unsaturated alcohols by means of metal carbonyls. 2,548,171, Apr. 10.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Transformerless audio output system. 2,548,235, Apr. 10.

Olson, Henry L., and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Electric bread toaster. 2,548,680, Apr. 10.

Olson, Robert W., assignor to Geophysical Service, Inc., Dallas, Tex. Magnetic amplifier. 2,548,049, Apr. 10.

Ondov, Michael E.: *See*—
Reeder, Fred W., and Ondov.

Orlich, Herman A.: *See*—
Orlich, John J. and H. A.

Orlich, John J. and H. A., Philadelphia, Pa. Pump unit. 2,548,738, Apr. 10.

Osgood, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Hoist. 2,548,270, Apr. 10.

Osterberg, Kenneth A., Minneapolis, Minn. Navigation instrument and computer. 2,548,319, Apr. 10.

Oswald, Joseph H., South Euclid, Ohio. Fastening. 2,548,681, Apr. 10.

Otto, Martin C.: *See*—
Hedstrom, Eric L., Otto, and Gooderham.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Treat, Glenn H.

Owens-Illinois Glass Company, assignee: *See*—
Buerger, Martin J., and Washken.

Ozlek, Leon F., Philadelphia, Pa. Pressed metal clothes hanger. 2,548,810, Apr. 10.

Pabco Products Inc., assignee: *See*—
Kurtz, Gerald T., and Groch.

Pacific Electric Manufacturing Corporation, assignee: *See*—
Ray, Charles R.
Thompson, Joseph S., and Ray.

Paden, Frederick T., Collingswood, N. J. Folding altar. 2,547,966, Apr. 10.

Page, Frank B.: *See*—
Burdett, Harry W., and Page.

Papec Machine Company, assignee: *See*—
Van Sickle, Kenneth J.

Parker Appliance Company, The, assignee: *See*—
Davies, Robert H.
Hartley, Emmett C., and Dahl.

Parker, Frank W., Huntington, W. Va. Cradle. 2,548,811, Apr. 10.

Parker, Humphrey F.: *See*—
Robins, Erford E., and Parker.

Parker, J. Roy, assignee: *See*—
Parker, Laurie F., and Sharp.

Parker, John B., assignee: *See*—
Parker, Laurie F., and Sharp.

Parker, Laurie F., deceased, Minden, by M. M. Webb, executrix, Shreveport, and A. J. Sharp, Minden, assignors to J. R. and J. B. Parker, Shreveport, La. Thread rolling machine for pipes. 2,548,444, Apr. 10.

Parkhurst, Malcolm K., New York, N. Y., assignor to Control Products, Inc., Harrison, N. J. Thermal switch. 2,548,050, Apr. 10.

Parks, James M., Oklahoma City, Okla. Automatic drain valve for air tanks. 2,548,236, Apr. 10.

Patten, Bernard J., Norwood, assignor of one-half to P. H. Wenz, Dedham, Mass. Apparatus for releasably locking a gasoline pump or the like after each operation thereof. 2,547,967, Apr. 10.

Patterson, William J., La Grange, assignor to Swift & Company, Chicago, Ill. Centrifugal egg separator. 2,548,812, Apr. 10.

Patton, Charles C.: *See*—
Anderson, Carl M., Harris, and Patton.

Paulus, Charles L., Dayton, Ohio. Gyro stabilizer. 2,547,968, Apr. 10.

Pawelsky, Vernon R.: *See*—
Biermann, William A., and Pawelsky.

Pearson, Oke L., Chicago, Ill. Doll with movable parts. 2,548,237, Apr. 10.

Pearson, Oscar H., Lake Villa, Ill. Shears. 2,548,320, Apr. 10.

Peck, Alvin W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mobile vaporizer system. 2,548,051, Apr. 10.

Peck, Lawrence W., assignor to Peck's Products Company, St. Louis, Mo. Apparatus for applying lubricant to the surface of an endless conveyer. 2,548,739, Apr. 10.

Peck's Products Company, assignee: *See*—
Peck, Lawrence W.

Peek, Sandford C., Jr., assignor to Sylvania Electric Products Inc., Salem, Mass. Low-current fuse. 2,548,491, Apr. 10.

Peerless Tube Company, assignee: *See*—
Remington, Frederic, and Tartaglia.

Pembroke, George H., New York, N. Y. Stencil printing machine. 2,548,119, Apr. 10.

Penchansky, Fannie, assignee: *See*—
Powasnick, George.

Pendleton, Charles A., Cramerton, N. C. Beam head. 2,548,390, Apr. 10.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Gail, John F.

Percy, Charles W., assignor to John E. Dallas and Sons Limited, London, England. Percussion musical instrument. 2,548,271, Apr. 10.

Perkins, George D., Allston, and C. E. Stone, Jr., Littleton, assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio transmitting-receiving apparatus. 2,548,813, Apr. 10.

Peter, Leslie H.: *See*—
Walker, Alec H. B., and Peter.

Peters, William W., Erie, Pa., assignor to General Electric Company. Ventilated electrical conductor for railway motors. 2,548,614, Apr. 10.

Peterson, C. Lynn and C. J., Salt Lake City, Utah, and B. Burwell, Grand Junction, Colo., assignors to Peterson Filters and Engineering Co. Drum filter medium. 2,547,969, Apr. 10.

Peterson, Clarence J.: *See*—
Peterson, C. Lynn and C. J., and Burwell.

Peterson Filters and Engineering Co., assignee: *See*—
Peterson, C. Lynn and C. J., and Burwell.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency shift signaling. 2,548,814, Apr. 10.

Petit, William H.: *See*—
Schwend, Fred N., and Petit.

Petr, Václav, Jr., Brno, Czechoslovakia. Blower. 2,548,615, Apr. 10.

Petrime, Joseph K., Mayfield Heights, Ohio. Convertible skate. 2,548,391, Apr. 10.

Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Rotary hook mechanism for sewing machines. 2,548,815, Apr. 10.

Phaneuf, Joseph R., and D. A. Tebo, Southbridge, Mass. Shuttle tip connection means. 2,548,052, Apr. 10.

Philco Corporation, assignee: *See*—
Tourtellot, John A.

Phillips Laboratories, Inc., assignee: *See*—
Meadows, George W.

Phillipi, Earl L.: *See*—
Alexanderson, Ernst F. W., Mittag, and Phillipi.

Phillips Petroleum Company, assignee: *See*—
Alexander, Cruzan, and Whaley.
Allen, John G.
Goodson, Luke, and Guyer.
Little, Donald M.
Peck, Alvin W.
Phillips, William L., and Stanley.
Ray, Gardner C.
Trotter, Claude H., and Sweeney.

Phillips Tutch Latch Co., assignee: *See*—
Nottingham, Ralph K.

Phillips, William L., Odessa, Tex., and C. P. Stanley, Tulsa, Okla., assignors to Phillips Petroleum Company. Controlling heating valve of natural gas. 2,547,970, Apr. 10.

Platt Products Corporation, assignee: *See*—
Thomas, Charles P., and Andrews.

Pickands, Alexander B., assignee: *See*—
Raiche, Louis I.

Pierson, Reginald K., and R. A. Firman, Weybridge, assignors to Vickers-Armstrongs Limited, London, England. Bomb slip, towing gear, and analogous releasable attachment. 2,548,033, Apr. 10.

Pifer, Marion J., Williamsville, and A. D. Meyer, Kenmore, assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Manual drive system for radio receivers. 2,548,120, Apr. 10.

Pilgrim Curtain Co., Inc., assignee: *See*—
Cohen, Samuel.

Pluto, Frank, assignor of one-half to J. M. Monte, Barre, Vt. Dolly for moving and handling blocks of granite. 2,548,054, Apr. 10.

Pippin, Clarence A.: *See*—
Barstow, Ormond E., and Pippin.

Pittsburgh Plate Glass Company, assignee: *See*—
Moffett, Eugene W.

Platt Luggage, Inc., assignee: *See*—
Goodman, William L., Jr.

Pointer, Robert W., assignee: *See*—
Grabinski, Philip.

Polin, Abraham: *See*—
Polin, Irving and A.

Polin, Irving, Brooklyn, and A. Polin, Bayside Hills, N. Y. Cosmetic compact. 2,547,971, Apr. 10.

Polley, Manford J., Homer, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Automatic pitman bar connection. 2,548,055, Apr. 10.

Pollock, Gordon B., South Laguna, Calif. Strip metering construction. 2,548,172, Apr. 10.

Poor & Company, assignee: *See*—
Chester, Allan E., and Leonelli.
Chester, Allan E., and Seymour.

Postma, Frank, Paterson, N. J. Abrading device. 2,548,445, Apr. 10.

Potts, Esther B., and F. D. La Roche, Waco, Tex., said F. D. La Roche now by change of name F. D. Allen. Auxiliary toilet seat. 2,548,238, Apr. 10.

Powasnick, George, assignor of thirty-five per cent to F. Penchansky, and ten per cent to J. Matejicka, Bayonne, N. J. Testing and trouble eliminating appliance for ignition systems. 2,548,056, Apr. 10.

Prari, Enrico, Asti, Calif. Carload adjusting means. 2,548,057, Apr. 10.

Precision Gear and Machine Company, assignee: *See*—
Goodgame, Jesse B.

Preston, Nell D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. System for receiving and decoding teletype messages. 2,548,446, Apr. 10.

Preston, William M., Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Frequency stabilization of magnetrons. 2,548,816, Apr. 10.

Price, Daniel C., Chicago, Ill. Folding table and seat structure. 2,548,682, Apr. 10.

Priestman, George D., Tulsa, Okla., and G. Priestman, Elizabeth, N. J. Well drilling. 2,548,616, Apr. 10.

Priestman, Gerald: *See*—
Priestman, George D. and G.

Printing and Allied Trades Research Association, The, assignee: *See*—
Banks, William H., Upton, and Scott.

Protective Inventions, Inc., assignee: *See*—
Anderson, John W.

Pure Oil Company, The, assignee: *See*—
Askevold, Robert J.
Ayers, George W., and Harton.
Moth, Robert H.

Purpura, Liborio, Wheeling, W. Va. Circuit breaker. 2,548,617, Apr. 10.

Purvis, Judson A., Chicago, Ill. Loose-leaf binder. 2,548,618, Apr. 10.

Puski, Louis, Cleveland, Ohio. Abdominal truss. 2,548,557, Apr. 10.

Quaker Stretcher Company, assignee: *See*—
Unwin, Kenneth J.

Quin, Denis C.: *See*—
Hall, Reginald H., and Quin.

Quirk, Justin P., St. Louis County, and L. G. P. Hafner, assignors, by mesne assignments, to Quirk Machinery Company, St. Louis, Mo. Shoe heel feeding mechanism. 2,548,321, Apr. 10.

Quirk Machinery Company, assignee: *See*—
Quirk, Justin P., and Hafner.

Radio Corporation of America, assignee: *See*—
Frantz, Walter J.
Goldsmith, Alfred N.
Houghton, William D.
Jenkins, Richard.
Linder, Ernest G.
Morton, George A., and Krieger.
Olson, Harry F.
Peterson, Harold O.
Snyder, Richard L., Jr.
Sziklai, George C., and Rosenberg.
Wassell, Harold J. H.

Radman, Petar, Los Angeles, Calif. Circular scissors. 2,548,392, Apr. 10.

Raffauf, Robert F., assignor to Eaton Laboratories, Inc., Norwich, N. Y. Making 5-nitro-2-furaldehyde semicarbazone. 2,548,173, Apr. 10.

Ragatz, Edward G., San Marino, Calif. Rich oil distillation. 2,548,058, Apr. 10.

Raiche, Louis L., assignor of twenty-five per cent to A. B. Pickands, Chicago, Ill. Dental appliance for determining proper centric bite in the art of producing artificial dentures. 2,548,817, Apr. 10.

Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Thermionic overvoltage protection circuit. 2,548,818, Apr. 10.

Ramsey, Ralph H., Ardmore, Okla. Rearrangement of oil and gas deposits in sealed domes and like natural formations. 2,548,059, Apr. 10.

Randall, David L., and T. A. Martin, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Hydrocarbon-soluble phthalocyanines. 2,547,972, Apr. 10.

Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,548,558, Apr. 10.

Rastler, Frank, Renton, Wash. Single action fishing reel having a combined friction drag and brake. 2,548,174, Apr. 10.

Rath, Karl: *See*—
Rossmann, Peter F., and Rath.

Rauh, Ervin P.: *See*—
Rivard, Lawrence B., and Rauh.

Ray, Charles R.: *See*—
Thompson, Joseph S., and Ray.

Ray, Charles R., Sausalito, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Electromagnetic operating and control system. 2,548,060, Apr. 10.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of acetylene from hydrocarbon mixtures. 2,548,619, Apr. 10.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Core structure for electromagnets. 2,548,239, Apr. 10.

Raytheon Manufacturing Company, assignee: *See*—
Hergenrother, Rudolf C.

Read, Elkins, Pottsville, Pa. Flexible tray conveyer. 2,548,061, Apr. 10.

Read, William T., executor: *See*—
Hoeber, Harold.

Rede, George R.: *See*—
Boyajian, Clement L., Rede, and Dimond.

Reeder, Fred W., and M. E. Ondov, Lorton, Va. Device to facilitate amputee operation of motor vehicles. 2,548,240, Apr. 10.

Reedy, Paul H., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Tuning device. 2,548,819, Apr. 10.

Reese, John E.: *See*—
Lorand, Eugene J., and Reese.

Reeves Instrument Corporation, assignee: *See*—
Sobel, Charles, and De Giovine.

Reger, Scott N., Iowa City, Iowa. Bone conducting receiver with electromagnetic vibrator. 2,548,062, Apr. 10.

Reich, Ernest, assignee: *See*—
Sirley, Garland A.

Reid, Paul R., Madill, Okla. Propulsion control for outboard motor boats. 2,548,121, Apr. 10.

Reinhart, Howard A., San Francisco, Calif., assignor, by mesne assignments, to Tray-Hart, Inc., Jersey City, N. J. Cylinder transporting device for industrial trucks. 2,548,063, Apr. 10.

Reinhart, Howard A., San Francisco, Calif., assignor, by mesne assignments, to Tray-Hart, Inc., Jersey City, N. J. Power-operated drum carrier for industrial trucks. 2,548,064, Apr. 10.

Reis, John P., assignor to Amity Leather Products Co., West Bend, Wis. Support for key hangers. 2,548,820, Apr. 10.

Reister, Lucas K., Lexington, Ky. Burning apparatus for plant beds. 2,548,065, Apr. 10.

Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Annealing furnace and conveyer. 2,548,683, Apr. 10.

Renholdt, John E.: *See*—
Trevitt, John H., and Renholdt.

Research Association of British Rubber Manufacturers, The, assignee: *See*—
Banks, William H., Upton, and Scott.

Reynolds, Donald S., Niles, D. E. Hooker, Skokie, and A. E. Voirol, Oak Park, Ill., assignors, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Beverage dispensing apparatus. 2,548,241, Apr. 10.

Rhoden, Elmer C., assignee: *See*—
Tranefors, Carl G.

Riblet, Henry J., Cambridge, Mass., and J. Steinberger, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Horn radiator adapted to be fed by a coaxial line. 2,548,821, Apr. 10.

Richards, Henry I., Arlington, Va. Copyholder. 2,547,973, Apr. 10.

Richards, William H., Dayton, Ohio. Quick emptying, movably mounted, spring-loaded supply container. 2,547,974, Apr. 10.

Riebe, Lyman C., La Fayette, Ind. Tool for hanging wallpaper. 2,548,393, Apr. 10.

Riedel, Kurt A.: *See*—
Armitage, Joseph B., Lukey, Riedel, and Boehmer.

Rigterink, Raymond H.: *See*—
Coleman, Gerald H., and Rigterink.

Ripke, August C., Austin, Minn. Transmission. 2,548,394, Apr. 10.

Ritter Company, Inc., assignee: *See*—
Morrison, Montford.

Rivard, Lawrence B., Dearborn, and E. P. Rauh, Wixom, assignors to Ford Motor Company, Dearborn, Mich. Hood hinge and guide mechanism. 2,548,492, Apr. 10.

Rivera, Aureo, New York, N. Y. Self-adjusting chair. 2,548,066, Apr. 10.

Robb, Walter T.: *See*—
Fletcher, Norman, and Robb.

Roberts, Frederick W., Fairfield, and R. C. Curtis, New Haven, assignors to Dictaphone Corporation, Bridgeport, Conn. Disturtion-free automatic volume control amplifier. 2,548,822, Apr. 10.

Roberts, Henry G., Prattville, Ala. Hydraulically operated set mechanism for the head block knees of a sawmill carriage. 2,548,067, Apr. 10.

Robertson, John D., Taunton, Mass. Expander and contractor roll. 2,547,975, Apr. 10.

Robey, Richard F., Cranford, N. J., assignor to Standard Oil Development Company. Esters of trimethyladipic acid. 2,548,493, Apr. 10.

Robins, Erford E., North Tanawanda, and H. F. Parker, Buffalo, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Chain hoist. 2,548,846, Apr. 10.

Robins, Russell L., Brooklyn, N. Y. Magnetic racing game device. 2,548,495, Apr. 10.

Rockwell, Edward A., Cleveland, Ohio. Servomotor and valve device. 2,548,496, Apr. 10.

Rockwell, Hugh M., Freeport, N. Y. Tire mounting and demounting machine of the type having relative travel between a tire and a tire tool. 2,547,976, Apr. 10.

Roddy, Thomas C., Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Corrision inhibited gasoline. 2,548,122, Apr. 10.

Roecker, Herman G., Fort Garry, Manitoba, Canada. Metering device. 2,548,123, Apr. 10.

Rohm & Haas Company, assignee: *See*—
Kincaid, John F., and Strong.
McLoughlin, Joseph R.

Rolls-Royce Limited, assignee: *See*—
Evernden, Harold I. F.

Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors to Minneapolis-Moline Company, Hopkins, Minn. Baling machine. 2,548,559, Apr. 10.

Roos, William J., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,548,497, Apr. 10.

Rose, Francis L.: *See*—
Curd, Francis H., Swinden, and Rose.

Rosenbarger, Cecilia M., assignee: *See*—
Rosenbarger, Clifford W.

Rosenbarger, Clifford W., assignor of fifteen per cent to G. E. Rosenbarger, seven and one-half per cent to R. C. Rosenbarger, and seven and one-half per cent to C. M. Rosenbarger, Indianapolis, Ind. Trunk lid locking device for automobiles. 2,548,242, Apr. 10.

Rosenbarger, Gus E., assignee: *See*—
Rosenbarger, Clifford W.

Rosenbarger, Roy C., assignee: *See*—
Rosenbarger, Clifford W.

Rosenberg, Milton: *See*—
Szlklai, George C., and Rosenberg.

Rosenthal, Charles, assignee: *See*—
Vassakos, Leonidas A.

Rosenthal, William, Bayville, assignor to Malden Form Brassiere Co., Inc., New York, N. Y. Décolleté brassière. 2,548,823, Apr. 10.

Rossmann, Peter F., Morristown, N. J., and K. Rath, New York, N. Y. Controlling windows and the like. 2,548,847, Apr. 10.

Roth, Wilfred, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Apparatus for simulating the operation of a radio object locating system. 2,548,684, Apr. 10.

Rountree, Roy S., and M. D. Moeller, Miami, Fla. Sun visor for motor vehicles. 2,548,068, Apr. 10.

Roush, Milton S.: *See*—
Bartlett, Kenneth M., and Roush.

Ruau, Felix F., Deptford, London, assignor to Molins Machine Company Limited, London, England. Collecting mechanism comprising a rotating leveling roller for moving trays of cigarettes. 2,548,620, Apr. 10.

Rugg, E. T., Company, The, assignee: *See*—
Grobowski, Benny T.

Rugh, Flora M., assignee: *See*—
Rugh, John M.

Rugh, John M., Providence R. I., deceased: M. Rugh, administratrix, assignor to M. and F. M. Rugh, Providence, R. I. Apparatus for dyeing or otherwise treating fibrous materials. 2,548,740, Apr. 10.

Rugh, Mary, administratrix, assignee: *See*—
Rugh, John M.

Rupp, Walter H.: *See*—
Russell, Robert P., and Rupp.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Carbon dioxide purification process. 2,548,499, Apr. 10.

Russell, Herbert H., assignor to The Grelst Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,547,977, Apr. 10.

Russell, Robert P., and W. H. Rupp, Mountainside, N. J., assignors to Standard Oil Development Company. Production for Dry Ice from natural gas. 2,548,498, Apr. 10.

Rust, John D., Memphis, Tenn. Cotton picker spindle slat fastening means. 2,548,069, Apr. 10.

Rutledge, Allan, Fort Worth, assignor to L. M. Turnage, Tarrant County, Tex. Penetrating fire extinguishing nozzle. 2,548,621, Apr. 10.

Ryan, Arthur M., Burlingame, Calif. Advertising display device. 2,548,070, Apr. 10.

Ryerson, Clifford M., M. H. Aronson, and L. W. Erath, Washington, D. C. Transient peak voltmeter. 2,547,978, Apr. 10.

Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Photocopy machine. 2,547,979, Apr. 10.

Sachs, Carrol C., North Hollywood, and J. Bond, assignors to Alexander H. Kerr & Co., Inc., Los Angeles, Calif. Photopolymerization process and compositions. 2,548,685, Apr. 10.

Sachs, Morris, New York, N. Y. Fluorescent lighting fixture. 2,548,500, Apr. 10.

Samer, L. Ray, assignee: *See*—
Jones, Judson C.

Samer, Thelma M., assignee: *See*—
Jones, Judson C.

Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors, by mesne assignments, to the United State of America as represented by the Secretary of War. Firing mechanism for submachine guns. 2,548,622, Apr. 10.

Sandberg, Robert W.: *See*—
Green, Barrett K., and Sandberg.

Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Wide frame mine car. 2,548,395, Apr. 10.

Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.

Santrey, Adell, New York, N. Y. Window holding spring. 2,548,396, Apr. 10.

Saulsberry, Jay L., Tucumcari, N. Mex. Faucet. 2,548,071, Apr. 10.

Saunders, Harold F., Shaker Heights, assignor to The Sherwin-Williams Co., Cleveland, Ohio. Detoxifying castor bean proteins. 2,547,980, Apr. 10.

Saunders-Roe Limited, assignee: *See*—
Knowler, Henry, and Swain.

Sauter, Oscar W., Glendale, assignor to The H. I. Thompson Company, Los Angeles, Calif. Photographic drier. 2,548,824, Apr. 10.

Sayre, Ralph E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of esters of isothiocyanic acid. 2,548,741, Apr. 10.

Schade, Arthur L.: *See*—
Wallerstein, James S., Schade, and Levy.

Schaevitz, Herman, Collingswood, N. J., assignor to Baldwin-Lima-Hamilton Corporation. Apparatus for measuring and transmitting a condition from a rotatable member. 2,548,397, Apr. 10.

Schaldenbrand, René: *See*—
Dubey, Georges, and Schaldenbrand.

Scheinberg, Morris M., Brooklyn, assignor to Sturm & Scheinberg, Inc., New York, N. Y. Shoulder hose supporter. 2,548,742, Apr. 10.

Schellinger, Theodor C., assignor to Chrysler Corporation, Highland Park, Mich. Valve unit for hydraulically operated transmissions. 2,548,175, Apr. 10.

Schembra, Christopher, Glen Ridge, N. J. Screened vehicle window opening. 2,548,560, Apr. 10.

Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Line-carrying rocket. 2,548,398, Apr. 10.

Schlaeger, Albert J., and F. A. Hoglan, Toledo, Ohio, assignors to International Minerals & Chemical Corporation. Manufacture of glutamic acid. 2,548,124, Apr. 10.

Schlegel, Carl F., Brighton, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Buffing wheel. 2,548,623, Apr. 10.

Schlegel Manufacturing Company, The, assignee: *See*—
Schlegel, Carl F.

Schmidlin, Albertus E.: *See*—
Mapes, Daniel, and Schmidlin.

Schmidt, Edward G.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Setka, and Yant.

Schmidt, Harry O., Pueblo, Colo. Basement window and ventilator. 2,548,125, Apr. 10.

Schreiber, Carl W., assignor to General Glass Equipment Co., Atlantic City, N. J. Apparatus for finishing glassware. 2,548,743, Apr. 10.

Schrock, Daniel A., assignor to Idaho Sprocket and Machine Works, Boise, Idaho. Pulley device. 2,548,399, Apr. 10.

Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 2,548,322, Apr. 10.

Schwartz, Werner W.: *See*—
Ingwer, Max, and Schwartz.

Schwend, Fred N., Los Angeles, and W. H. Petit, Pasadena, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Circuit breaker. 2,548,825, Apr. 10.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydraulic governor responsive to rate of change of speed. 2,548,072, Apr. 10.

Sclater, Ivanhoe H., Pittsfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,548,624, Apr. 10.

Scone, John P., assignor to Barber-Colman Company, Rockford, Ill. Cutter sharpening machine. 2,547,981, Apr. 10.

Scott-Atwater Manufacturing Company, assignee: *See*—
Armstrong, Daniel A.

Scott, John R.: *See*—
Banks, William H., Upton, and Scott.

Scully Signal Company, assignee: *See*—
Mathey, Alcide E.

Sears, Daniel S.: *See*—
Westfahl, Jerome C., and Sears.

Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Differential protective arrangement. 2,548,625, Apr. 10.

Semm, Paul T., Batavia, and R. T. Nakasone, assignors to Wheelco Instruments Company, Chicago, Ill. Amplifier. 2,548,176, Apr. 10.

Servel, Inc., assignee: *See*—
Edberg, Per.
Simpson, Walter M.

Setka, Raymond P.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Setka, and Yant.

Sewol, John A., Hempstead, N. Y. Bobby pin opener. 2,548,561, Apr. 10.

Seybold, Frederick W., Westfield, N. J. Transmission. 2,548,272, Apr. 10.

Seymour, David F.: *See*—
Chester, Allan E., and Seymour.

Sharp, Arthur J.: *See*—
Parker, Laurie F., and Sharp.

Sharp & Dohme, Incorporated, assignee: *See*—
Sprague, James M., and Land.

Sharples Chemicals Inc., assignee: *See*—
Olin, John F.

Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.

Shawinigan Chemicals Limited, assignee: *See*—
Gibbs, John H., Andersen, and Abbott.

Shell Development Company, assignee: *See*—
Caron, John B. R., Glendenning, and Wies.
Houtman, Johannes P. W., Engel, Hoog, and van't Spijker.
Lubbock, Isaac.
Shokal, E. C., and Mueller.

Shepard, Frank R., Texon, Tex. Fluid filtering apparatus. 2,548,400, Apr. 10.

Shepard, Niles Crane & Hoist Corporation, assignee: *See*—
Thompson, William S.

Sherman, Thomas L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Crankless mechanism. 2,548,686, Apr. 10.

Sherwin-Williams Co., The, assignee: *See*—
Saunders, Harold F.
Olsen, Charles H.

Sherwood, Joseph W., Sapulpa, Okla. Clamping device. 2,548,401, Apr. 10.

Shimizu, Esau, San Jose, Calif. Film developer reel and loader therefor. 2,548,323, Apr. 10.

Shokal, Edward C., Walnut Creek, and A. C. Mueller, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Fluid compositions containing glycidyl polyethers. 2,548,447, Apr. 10.

Sholkin, Murray E., Newton, assignor to Beacon Products Corporation, Boston, Mass. Luminous display device. 2,548,126, Apr. 10.

Sichman, John J., Jr.: *See*—
Milz, Harold E., and Sichman.

Siegrist, Karl, Zurich, Switzerland. Braking arrangement for casting reels. 2,548,073, Apr. 10.

Siemens Brothers & Co. Limited, assignee: *See*—
Long, Douglas P.

Sikora, Stanley, Lancaster, N. Y. Gyroscope. 2,548,074, Apr. 10.

Simms, Howard N., Independence, assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety device. 2,548,744, Apr. 10.

Simpson, Thomas, Pattingham, near Wolverhampton, L. S. Greenland, Wolverhampton, and T. Edwards, Bilbrook, near Wolverhampton, assignors to H. M. Hobson Limited, London, England. Hydraulic pump. 2,548,501, Apr. 10.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,548,448, Apr. 10.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Track shoe. 2,548,626, Apr. 10.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,548,627, Apr. 10.

Sinclair Refining Company, assignee: *See*—
Kaasa, Orin G.

Sinden, Alfred D.: *See*—
Johns, Henry S. and W. H., and Sinden.

Singer Manufacturing Company, The, assignee: *See*—
Graesser, David A.
Vollman, Joseph, and Gunther.

Sivley, Garland A., Quakertown, Pa., assignor of three-fourths to E. Reich, Forest Hills, N. Y. Griddle suspending and actuating mechanism. 2,547,982, Apr. 10.

Skarnes Engineering & Supply, Inc., assignee: *See*—
Montour, Arthur H.

Slack, Fred F.: *See*—
Higinbotham, William A., and Slack.

Slathar, Arthur, Minneapolis, assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Punch press control and feed mechanism. 2,548,562, Apr. 10.

Slattery, Edward J., Washington, D. C. Collapsible hose coupling. 2,547,983, Apr. 10.

Slavens, Orvel C., Long Beach, assignor to National Lead Company, Los Angeles, Calif. Device for holding wipers. 2,548,127, Apr. 10.

Small, James K., North Tarrytown, N. Y., assignor to Standard Oil Development Company. Fractionation with adsorbents in a single column. 2,548,502, Apr. 10.

Smith, Carl A., Ferguson, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Defrost control for refrigeration systems. 2,548,324, Apr. 10.

Smith, Ellis, Bradford, England. Air-cooled exhaust silencer. 2,548,563, Apr. 10.

Smith, Elton V., Hot Springs, Ark. Lumber kiln. 2,548,403, Apr. 10.

Smith, George M., assignor to American Machinery Corporation, Orlando, Fla. Demountable brushing machine. 2,548,826, Apr. 10.

Smith, H. Bert D., assignor of one-half to O. W. Smith, Jr., Dallas, Tex. Waist and waistband construction of trousers and the like. 2,548,402, Apr. 10.

Smith, Harry E., Atlanta, Ga., assignor of one-third to J. C. Duttenhofer, Richmond, Va., and one-third to H. E. Hetzel, Atlanta, Ga. Cut-easy device. 2,548,243, Apr. 10.

Smith, Olin W., Jr., assignee: *See*—
Smith, H. Bert D.

Smith, Paul V., Jr., Westfield, N. J., assignor to Standard Oil Development Company. Esters of trimethyladipic acid. 2,548,494, Apr. 10.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Self-basting oven. 2,548,325, Apr. 10.

Smith, Victor H., Phoenix, Ariz. Electrolytic rheostat. 2,548,745, Apr. 10.

Smith, William L., Silver Spring, Md. Selectivity switching device. 2,547,984, Apr. 10.

Smith, Winthrope C.: *See*—
Turner, Luther B., and Smith.

Smuckler, A. F., & Co., Inc., assignee: *See*—
Hyatt, Arnold J.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal assembly for flow control devices. 2,548,128, Apr. 10.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Electron tube. 2,548,405, Apr. 10.

Sobel, Charles, New York, and R. G. De Giovine, Jackson Heights, assignors to Reeves Instrument Corporation, New York, N. Y. Wave guide clip. 2,548,404, Apr. 10.

Societe Anonyme dite Compagnie des Freins & Signaux Westinghouse, assignee: *See*—
Mataré, Herbert F.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Bergstrom, Eric V.
Drew, Robert D.
Fahnestock, Frank C.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Making laminated magnetic cores. 2,548,628, Apr. 10.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 2,548,629, Apr. 10.

Sonntag, Robert, Dallas, Tex. Cooking stove ventilating canopy and mounting. 2,548,406, Apr. 10.

Soreng, Edgar M.: *See*—
Fisher, Hardin Y., and Soreng.

Soreng Manufacturing Corporation, assignee: *See*—
Fisher, Hardin Y., and Soreng.

Sorg, Leonard V., R. E. Dickey, and W. A. Weaverling, Kansas City, Mo., assignors to Standard Oil Company, Chicago, Ill. Preventing corrosion in pipe-line transportation of refined petroleum oils. 2,548,630, Apr. 10.

Sparks, Carter W., H. O. Klee, and C. M. Sparks, assignors to Casalbi Company, Jackson, Mich. Traveling lawn sprinkler. 2,548,326, Apr. 10.

Sparks, Clifford M.: *See*—
Sparks, Carter W., Klee, and Sparks.

Sparks, William J., Westfield, D. W. Young, Roselle, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Preventing gelation during heating of resinous isoolefin polymers. 2,548,503, Apr. 10.

Spatz, Sydney M., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of fumaric acid. 2,548,687, Apr. 10.

Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Window ventilator. 2,548,327, Apr. 10.

Specialties Development Corporation, assignee: *See*—
Mapes, Daniel, and Schmidlin.
Stroop, John H.

Sperry Corporation, The, assignee: *See*—
Dawson, Edward.
Jenks, Frederic A.

Sprague, James M., Drexel Hill, and A. H. Land, Ridley Park, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. S-(4-thiazolylmethyl)-isothioureas. 2,548,746, Apr. 10.

Sprague, Robert H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide element with mordanted dye layer. 2,548,564, Apr. 10.

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Making relief printing plates. 2,548,565, Apr. 10.

Stafford, James W., Montreal, Quebec, Canada. Isolated phase bus structure. 2,548,566, Apr. 10.

Staley, Charles F.: *See*—
Taylor, Charles R., and Staley.

Standard Electronics Research Corporation, assignee: *See*—
Vossberg, Carl A., and Fua.

Standard Oil Company, assignee: *See*—
Brown, Herbert C.
Sorg, Leonard V., Dickey, and Weaverling.

Standard Oil Development Company, assignee: *See*—
Amick, Erwin H., Jr.
Blood, Robert H.
Gibson, Harold D.
Gregory, Albion H.
Kittleson, Allen R., and Swaney.
Lynch, Charles S.
Robey, Richard F.
Rupp, Walter H.
Russell, Robert P., and Rupp.
Small, James K.
Smith, Paul V., Jr.
Sparks, William J., Young, and Garber.
Turner, Luther B., and Smith.
Welch, Lester M., and Wilson.
Yowell, Howard L.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Marsden, Ernest B.
Turner, Edwin A.

Stangeland, Ole L.: *See*—
Moir, Robert B., and Stangeland.

Stanley, Clyde P.: *See*—
Phillips, William L., and Stanley.

Stanolind Oil and Gas Company, assignee: *See*—
Latta, James E.

Stapleton, Glenn D., Fort Wayne, Ind., assignor to General Electric Company. Brush holder assembly. 2,548,631, Apr. 10.

Starkey, William C., deceased, Indianapolis, Ind.; Fletcher Trust Company, executor of said W. C. Starkey. Starter type clutch. 2,548,747, Apr. 10.

Stastney, Louis: *See*—
Hafer, Giles P., and Stastney.

State Board of Control, assignee: *See*—
Neal, Wayne M.

Staub, Hans H., Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Sensitivity modulator. 2,548,449, Apr. 10.

Staunt, Martin, Chicago, Ill. Dental hammer. 2,548,450, Apr. 10.

Stechmann, Herman H., Davenport, Iowa, assignor of one-half to W. C. Uphoff, Moline, Ill. Readily removable way wiping means. 2,548,848, Apr. 10.

Steel Products Engineering Company, The, assignee: *See*—
Sherman, Thomas L.

Stein, Fred C., Warsaw, Ind. Cuff tacker attachment. 2,548,827, Apr. 10.

Stein, Louis, Bronx, N. Y. Steering column. 2,548,244, Apr. 10.

Steinberger, Jack: *See*—
Riblet, Henry J., and Steinberger.

Steinmayer, Alwin G., assignor to McGraw Electric Co., Milwaukee, Wis. Load break device. 2,548,129, Apr. 10.

Stent, Thomas F., Coventry, England, assignor to General Electric Company. Vacuum cleaner attachment coupling and belt lifter. 2,548,632, Apr. 10.

Stephan, Elroy R., assignor to Downing Box Company, Milwaukee, Wis. Container. 2,548,130, Apr. 10.

Stephan, Raymond J., Hayward, Calif. Flying toy. 2,548,748, Apr. 10.

Stephens-Adamson Mfg. Co., assignee: *See*—
Johns, Henry S. and W. H., and Sinden.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,548,633, Apr. 10.

Sterling Drug Inc., assignee: *See*—
Lawson, Elmer J., Cavallito, and Mooradian.
Mooradian, Aram, Lawson, and Suter.

Sterling Electric Motors, Inc., assignee: *See*—
Mendenhall, Earl.

Stern, Maurice, New York, N. Y., assignor to Mecres, S. A., Panama, Panama. Conveyer apparatus for serving of meals. 2,548,131, Apr. 10.

Stevens, Ada E.: *See*—
Stevens, Allan G. and A. E.

Stevens, Allan G. and A. E., East Barnet, England. Quantity selecting machine for segregating dry granular material. 2,548,245, Apr. 10.

Stewart, Ian F.: *See*—
Ashcroft, Donald G., and Stewart.

Stewart-Warner Corporation, assignee: *See*—
Hansen, Waldemar S.
McCollum, Henry J. D.
Norman, Horace M.

Stoker, Henry L., Claremont, Calif. Bag packer. 2,548,075, Apr. 10.

Stone, Charles E., Jr.: *See*—
Perkins, George D., and Stone.

Stout, Russell H., Charleston, S. C. Instrument for resolving gear ratios. 2,548,273, Apr. 10.

Stout, Twyman J., Wichita, Kans. Child's vehicle. 2,548,749, Apr. 10.

Strand, Oscar L.: *See*—
Whittlesey, Leonard D., and Strand.

Strauss, Frank A.: *See*—
Barsky, George, and Strauss.

Strezoff, Bogola, Minneapolis, Minn. Hot-water bottle heating element. 2,548,076, Apr. 10.

Stromberg-Carlson Company, assignee: *See*—
Dodd, Francis L.
Morris, Frank A.

Strong, James S.: *See*—
Kincaid, John F., and Strong.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Indicator. 2,548,750, Apr. 10.

Strutt, Maximiliaan J. O., K. S. Knol, and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetron oscillator. 2,548,567, Apr. 10.

Stump, James E., Grand Junction, Colo. Pivoted lever jar cap remover. 2,548,634, Apr. 10.

Sturm & Scheinberg, Inc., assignee: *See*—
Scheinberg, Morris M.

Summerhayes, Harry R., Jr., Schenectady, N. Y., assignor to General Electric Company. Monitor for amplitude modulated signals. 2,548,635, Apr. 10.

Summit Steel Products, Inc., assignee: *See*—
Myers, Clarence E.

Sun Oil Company, assignee: *See*—
Cummings, Leland W. T.
Hague, Fred.

Superior Fire Equipment Corporation, assignee: *See*—
Moeller, William R.

Suter, Chester M.: *See*—
Mooradian, Aram, Lawson, and Suter.

Svartviks Aktiebolag, assignee: *See*—
Andersson, Ernst, and Fogde.

Swain, Arthur E.: *See*—
Knowler, Henry, and Swain.

Swaney, Miller W.: *See*—
Kittleson, Allen R., and Swaney.

Swank, Rehl W., Edinboro, assignor to Erie Meter Systems, Inc., Erie, Pa. Water separator. 2,548,568, Apr. 10.

Swart, Gilbert H.: *See*—
Te Grotenhuis, Theodore A., and Swart.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Allgeyer, Guy H.

Sweeney, Arthur W.: *See*—
Trotter, Claude H., and Sweeney.

Swift & Company, assignee: *See*—
Leaders, William M.
Patterson, William J.

Sylvania Electric Products Inc., assignee: *See*—
Jacobs, Harold.
Peek, Sanford C., Jr.
Pifer, Marion J., and Meyer.
Taylor, Jay L., Jr.

Syverud, Annar F., Minneapolis, Minn. Holder for cigarettes and matches. 2,548,828, Apr. 10.

Sziklai, George C., Princeton, and M. Rosenberg, Trenton, N. J., assignors to Radio Corporation of America. Color television system. 2,548,829, Apr. 10.

Tabbert, Paul C., Bridgman, Mich. Rowing and steering device for boats. 2,548,407, Apr. 10.

Tammen, Kathleen, Tucson, Ariz. Massage table. 2,548,408, Apr. 10.

Tamol, Adam, Buffalo, N. Y. Hedge and weed cutter. 2,548,077, Apr. 10.

Tartaglia, Richard A.: *See*—
Remington, Frederic, and Tartaglia.

Tauber, Samuel P., assignor to United States Rubber Company, New York, N. Y. Melter. 2,548,177, Apr. 10.

Taylor, Charles R., and C. F. Staley, Middletown, Ohio, assignors to Armco Steel Corporation. Elimination of hydrogen from heats of killed steel. 2,548,849, Apr. 10.

Taylor, James: *See*—
Whetstone, John, and Taylor.

Taylor, James, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Nitrocellulose-containing composition and preparing same. 2,548,688, Apr. 10.

Taylor, Jay L., Jr., Los Angeles, Calif., assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Superheterodyne receiver employing triode converters. 2,548,132, Apr. 10.

Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.

Tebo, David A.: *See*—
Phanuef, Joseph R., and Tebo.

Te Grotenhuis, Theodore A., Olmsted Falls, and G. H. Swart, assignors to The General Tire and Rubber Company, Akron, Ohio. Copolymers of 3,4 or 3,5-dichloro alpha methyl-styrene with fluoroethylenes. 2,548,504, Apr. 10.

Texas Company, The, assignee: *See*—
Lee, Burton D., and Herzog.
Roddy, Thomas C., Jr.

Thayer, Leslie M., Toledo, Ohio. Fishing pole holder. 2,548,328, Apr. 10.

Thexton, Arthur L., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade bracket. 2,548,850, Apr. 10.

Thomas, Charles P., and H. Andrews, assignors to Platt Products Corporation, Lansing, Mich. Stove with vertically adjustable liquid fuel burner and float control unit. 2,548,830, Apr. 10.

Thomas, Norman L.: *See*—
Goldberg, Alan A., and Thomas.

Thompson, Elmer B., assignor to Globe Milker Incorporated, Des Moines, Iowa. Pipe coupling. 2,548,078, Apr. 10.

Thompson, H. L., Company, The, assignee: *See*—
Sauter, Oscar W.

Thompson, Joseph S., San Francisco, and C. R. Ray, Sausalito, assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Circuit isolating air break switch. 2,548,079, Apr. 10.

Thompson Products, Inc., assignee: *See*—
Bartlett, Kenneth M., and Roush.
Snyder, Jacob R.

Thompson, William S., Watkins Glen, assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y. Hot metal handling apparatus. 2,548,178, Apr. 10.

Thorn, Ryder D., Wichita Falls, Tex. Carrying belt for fish lures. 2,548,080, Apr. 10.

Thorp, Clark E., Chicago, assignor to Hawley Products Company, St. Charles, Ill. Stabilized cuprammonium hydroxide solution and preparing the same. 2,548,636, Apr. 10.

Till, Willard H., Raleigh, N. C. Auxiliary support for use with ironing boards. 2,548,751, Apr. 10.

Titus, Thomas L., Cheyenne, Wyo., assignor to Wyott Manufacturing Co. Inc. Pump dispenser. 2,548,752, Apr. 10.

Tolle, Karl, assignor to Eastman Kodak Company, Rochester, N. Y. Reversed telephoto objective having a high-index positive front lens element. 2,548,569, Apr. 10.

Torstenson, Henry A., assignee: *See*—
Morberg, Kenneth F.

Touloukian, Yeram S., West Lafayette, Ind., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flash evaporator. 2,548,081, Apr. 10.

Tourtellot, John A., Merchantville, N. J., assignor to Philco Corporation, Philadelphia, Pa. Dual stylus phonograph pickup. 2,548,082, Apr. 10.

Tranefors, Carl G., Goteborg, Sweden, assignor to E. C. Rhoden, Kansas City, Mo. Boot or the like. 2,548,753, Apr. 10.

Tray-Hart, Inc., assignee: *See*—
Reinhart, Howard A.

Treat, Glenn H., Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Construction of electric motors and generators. 2,548,133, Apr. 10.

Trevitt, John H., and J. E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,548,831, Apr. 10.

Tribbey, Stanley E., Chicago, assignor to Caron Spinning Company, Rochelle, Ill. Apparatus for forming paper strips into continuous label forming bands for yarn and the like. 2,548,451, Apr. 10.

Trotter, Claude H., and A. W. Sweeney, Phillips, Tex., assignors to Phillips Petroleum Company. Foamite fire-extinguishing system. 2,548,409, Apr. 10.

Troxel Manufacturing Company, The, assignee: *See*—
Kalter, Harold E.

Tru-Ade, Inc., assignee: *See*—
Ellison, Samuel H.

Turco Products, Inc., assignee: *See*—
Baum, Nathaniel L., and Wynkoop.

Turnage, L. M., assignee: *See*—
Rutledge, Allan.

Turner, Clarence M., Stony Brook, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Corona triode voltage regulator. 2,548,452, Apr. 10.

Turner, Edwin A., Scarsdale, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,548,134, Apr. 10.

Turner, Luther B., Roselle Park, and W. C. Smith, Westfield, N. J., assignors to Standard Oil Development Company. Activators for quinone dioxime cures. 2,548,505, Apr. 10.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for weft detecting systems. 2,548,453, Apr. 10.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft bobbin and making the same. 2,548,454, Apr. 10.

Tuttle, Clifton M.: *See*—
Wampole, Oliver J., Brown, and Tuttle.

Tweedy, John N., Worden, Ill. Hitch. 2,548,637, Apr. 10.

Tydon, Walter, Granville, Ohio, assignor to Curtiss-Wright Corporation. Combined landing gear door and fluid foil. 2,548,832, Apr. 10.

Tyson, Vernon L., Miami, Fla. Moisture indicator for sand and gravel weighing hoppers. 2,548,410, Apr. 10.

Udd, John C., Montreal, Quebec, Canada. Couch. 2,548,570, Apr. 10.

Underwood, Orville J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Transformer. 2,548,179, Apr. 10.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.

United Aircraft Corporation, assignee: *See*—
Fox, Samuel S.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Bashkin, Stanley.
Cumming, James M., and Aspey.
Staub, Hans H.
Turner, Clarence M.

United States Rubber Company, assignee: *See*—
Adams, James W.
Linscott, Chester E.
Tauber, Samuel P.

Universal Oil Products Company, assignee: *See*—
Leffer, Frederick W.

Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Curtain stretcher. 2,547,985, Apr. 10.

Uphoff, William C., assignee: *See*—
Stechmann, Herman H.

Upton, Patrick B.: *See*—
Banks, William H., Upton, and Scott.

Uthaug, Carl L., Jordan, Mont. Automatic trip actuating means for dumping hayrakes. 2,548,083, Apr. 10.

Vaché, Henry F., Upper Darby, Pa. Motion converter. 2,548,411, Apr. 10.

Vachon, Roméo, Montreal, Quebec, Canada. Clamping and stretching tool for tire inner tubes and the like rubber goods. 2,548,506, Apr. 10.

Vacuum Cleaner Corporation of America, The, assignee: *See*—
Meletti, Adolph.

Van Dermark, Hazel L., executrix: *See*—
Van Dermark, Henry Leland.

Van Dermark, Henry L.: *See*—
Van Dermark, Henry L.

Van Dermark, Henry L., also known as H. L. Van Dermark, deceased, Sacramento, Calif; by H. L. Van Dermark, executrix, Medford, Oreg. Removal of broken spark plugs. 2,547,986, Apr. 10.

Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., Knol, and van der Ziel.

Vanity Fair Mills, Inc., assignee: *See*—
Ginwright, Victor M.

Van Lare, Earl J., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes containing a benzimidazole nucleus. 2,548,571, Apr. 10.

Van Oeveren, Donald J., Arlington, Va. Combination boat and trailer. 2,548,274, Apr. 10.

Van Sickle, Kenneth J., assignor to Papec Machine Company, Shortsville, N. Y. Pickup reel for harvesters. 2,548,329, Apr. 10.

Van't Spijker, Peter: *See*—
Houtman, Johannes P. W., Engel, Hoog, and van't Spijker.

Van Wambeck, Stanley H., Richmond Heights, Mo., assignor to the United States of America as represented by the Secretary of War. Generator testing device. 2,548,833, Apr. 10.

Vassakos, Leonidas A., New York, N. Y., assignor of one-third to C. Rosenthal, Teaneck, N. J., and one-third to A. Gurkin, Bronx, N. Y. Automatic variable feed attachment for shapers. 2,548,180, Apr. 10.

Vereschagin, Alex A., Orland, Calif. Apron movement for carry type scrapers. 2,548,754, Apr. 10.

Vertiz, Francis, New York, N. Y. Fireproof cigarette holder. 2,548,689, Apr. 10.

Vestal, Edwin C., Jr., U. S. Navy. Sawtooth voltage generator. 2,547,987, Apr. 10.

Vickers-Armstrongs Limited, assignee: *See*—
Pierson, Reginald K., and Firman.

Victor Electric Products, Inc., assignee: *See*—
Spear, Walter A.

Vieno, Cecil A., Duluth, Minn. Soldering flux. 2,548,690, Apr. 10.

Vischer, Alfred, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to A. Vischer, Jr., two-thirtieths to W. Vischer, two-thirtieths to A. Vischer, III, two-thirtieths to A. Vischer, Jr., as trustee, four-thirtieths to W. W. Zitzewitz, four-thirtieths to E. K. Zitzewitz, one-thirtieth to G. J. Zitzewitz, one-thirtieth to B. O. Zitzewitz, and two-thirtieths to G. V. Bouton. Sterilizer. 2,548,691, Apr. 10.

Vischer, Alfred, III, assignee: *See*—
Vischer, Alfred, Jr.

Vischer, William, assignee: *See*—
Vischer, Alfred, Jr.

Vitkovické Železárny Klementa Gottwalda Národní Podnik, assignee: *See*—
Doležal, Richard.

Vittum, Paul W.: *See*—
Weissberger, Arnold, Glass, and Vittum.

Voirol, Amos E.: *See*—
Reynolds, Donald S., Hooker, and Voirol.

Vollman, Joseph, and H. Gunther, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Label sewing machine. 2,548,692, Apr. 10.

Von Kohorn, Henry and R. S., New York, N. Y. Manufacture of crimped filaments. 2,548,181, Apr. 10.

Von Kohorn, Ralph S.: *See*—
Von Kohorn, Henry and R. S.

Vossberg, Carl A., Lynbrook, and F. A. Fua, assignors to Standard Electronics Research Corporation, New York, N. Y. Optical area measuring system. 2,548,755, Apr. 10.

Wagner, Eddie B., Portland, Oreg. Scoop-shovel vehicle. 2,548,084, Apr. 10.

Wagner, Robert W., Chelsea, Mich. Power take-off. 2,548,182, Apr. 10.

Walcott, R. M., Co., assignee: *See*—
Brest, Harry C.

Waldron, Joseph G., assignee: *See*—
Burgin, Miller S.

Walker, Alec H. B., and L. H. Peter, assignors to Westinghouse Brake and Signal Company Limited, London, England. Cathode-ray tube equipment. 2,548,572, Apr. 10.

Walker, David C., Tulsa, Okla., assignor to Hinderliter Tool Company Division H. K. Porter Company, Inc. Sealing unit for well casing heads. 2,548,412, Apr. 10.

Walker, Joseph F., Westfield, and S. F. Kokowicz, Perth Amboy, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cross linking. 2,548,455, Apr. 10.

Wallerstein Company, Inc., assignee: *See*—
Wallerstein, James S., Schade, and Levy.

Wallerstein, James S., A. L. Schade, and H. B. Levy, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Improving the foam of fermented malt beverages and product obtained thereby. 2,547,988, Apr. 10.

Walsh, Bernard: *See*—
Hancock, William L., and Walsh.

Walstrom, John E., Middlesex County, Mass., assignor to The Girdler Corporation, Louisville, Ky. Arc-over protective system for high-frequency heating systems. 2,548,246, Apr. 10.

Walters, Lewis, New York, N. Y. Feeding mechanism. 2,548,834, Apr. 10.

Walton, Arthur K., and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Removable heat unit for table top stoves. 2,548,183, Apr. 10.

Wampole, Oliver J., and F. M. Brown, Rochester, and C. M. Tuttle, Huntington Station, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for processing continuous film. 2,548,573, Apr. 10.

Wangerin, Elmer O: *See*—
Nivison, Wade S., and Wangerin.

War, United States of America as represented by the Secretary of, assignee: *See*—
Caraway, John B.
Emslie, Alfred G.
Higinbotham, William A., and Slack.
Hoglund, Ralph H., Hulstede, and Yakutis.
Nichols, Nathan P.
Perkins, George D., and Stone.
Preston, William M.
Rambo, William R.
Reedy, Paul H.
Riblet, Henry J., and Steinberger.
Roth, Wilfred.
Sampson, Frederick W., and Hyde.
Van Wambeck, Stanley H.
Worthington, Harvey R., Jr.

Ward, Blenkinsop & Company Limited, assignee: *See*—
Goldberg, Alan A., and Thomas.

Warren, S. D. Company, assignee: *See*—
Bicknell, John A., and Johnson.

Washken, Edward: *See*—
Buerger, Martin J., and Washken.

Wassell, Harold J. H., Danbury, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Telegraph key. 2,548,835, Apr. 10.

Watkins, George F., Austin, Minn. Ventilating hive cover. 2,548,275, Apr. 10.

Watson, William E., Bloomfield, N. J., assignor to Allied Chemical & Dye Corporation. Boxed carboy. 2,548,638, Apr. 10.

Watter, Michael: *See*—
Eksergian, Carolus L., and Watter.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Washroom arrangement for railroad cars. 2,548,851, Apr. 10.

Weamer, Edna, Chicago, Ill. Picnic basket with folding table and benches. 2,548,639, Apr. 10.

Weatherhead Company, The, assignee: *See*—
Balogh, Roy O.
Courtot, Louis B.

Weaverling, William A.: *See*—
Sorg, Leonard V., Dickey, and Weaverling.

Webb, Myrtle M., executrix: *See*—
Parker, Laurie F., and Sharp.

Webster, Warren, & Company, assignee: *See*—
Fitz Gerald, Alan S.

Weisbecker, August L., Williamstown, N. J. Voltage and phase measuring cathode-ray oscilloscope. 2,548,276, Apr. 10.

Weiss, Dewey S., Portland, Oreg. Trailer drawbar. 2,548,085, Apr. 10.

Weissberger, Arnold, D. B. Glass, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Sulfonamide substituted p-phenylenediamines containing o-alkoxy groups as silver halide photographic developers. 2,548,574 Apr. 10.

Welch, Harry J., Walled Lake, assignor to Novi Equipment Company, Novi, Mich. Fuel pump. 2,548,640, Apr. 10.

Welch, Lester M., Madison, and H. L. Wilson, Elizabeth, N. J., assignors to Standard Oil Development Company. Boron fluoride in ethylidene fluoride for low-temperature polymerization. 2,548,415, Apr. 10.

Wells, Arthur L., Des Plaines, Ill. Paint striping apparatus. 2,548,456, Apr. 10.

Wenz, Philip H., assignee: *See*—
Patten, Bernard J.

Werthessen, Nicholas T.: *See*—
Morgan, Myles, and Werthessen.

West, Ernest: *See*—
West, Frederick J. and E.

West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Gas producer, including rotatable ash breaking grate means. 2,548,086, Apr. 10.

West, Harold K., assignee: *See*—
Grove, Stephen L.

West, Roscoe D., Traverse City, Mich. Fishing reel. 2,548,247, Apr. 10.

Western Electric Company, Incorporated, assignee: *See*—
Anderson, Carl M., Harris, and Patton.
Crane, Edward J., and Cross.
Drobish, William M., and Drom.
Drom, Edwin L.
Dunn, John R.
Franks, Jerome S.
Hafer, Giles P., and Stastney.
Wiebe, Harold G.

Westfahl, Jerome C., Trumansburg, N. Y., and D. S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of novel 2-carboalkoxy-1,3-butadiene dimers by the pyrolysis of novel 2,2,3-subatituted butanes. 2,548,184, Apr. 10.

Westfahl, Jerome C., Trumansburg, N. Y., and D. S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. 2,2,3-subatituted butanes. 2,548,185, Apr. 10.

Westinghouse Air Brake Company, The, assignee: *See*—
McClure, Glenn T., and Erson.

Westinghouse Brake and Signal Company Limited, assignee: *See*—
Walker, Alec H. B., and Peter.

Westinghouse Electric Corporation, assignee: *See*—
Miller, Ernest F.
Roos, William J.
Schwendner, Anthony F.
Touloukian, Yeram S.

West's Gas Improvement Company Limited, assignee: *See*—
West, Frederick J. and E.

Weyerts, Walter J., assignor to Eastman Kodak Company, Rochester, N. Y. Mordanted imbibition dye-printing blank. 2,548,575, Apr. 10.

Whaley, Thomas H.: *See*—
Alexander, Cruzan, and Whaley.

Wharam, John J., Dearborn, and J. J. Felts, Pontiac, assignors to Ford Motor Company, Dearborn, Mich. Rear torsion spring suspension. 2,548,507, Apr. 10.

Wheelco Instruments Company, assignee: *See*—
Semm, Paul T., and Nakasone.

Whetstone, John, West Kilbride, and J. Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Producing explosives containing ammonium nitrate. 2,548,693, Apr. 10.

Whipple, Jack V., New York, assignor to I. Lefkowitz & Sons, Inc., Brooklyn, N. Y. Apparatus for mixing and dispensing beverages. 2,548,641, Apr. 10.

White, Blanche B.: *See*—
Fortess, Fred, and White.

White, Frank S., Stockbridge, Mass., assignor to The Dorr Company, Stamford, Conn. Calcining decrepitating rocks, including limestone. 2,548,642, Apr. 10.

Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Refrigerant flow controlling device. 2,548,643, Apr. 10.

Whittlesey, Leonard D., Flint, and O. L. Strand, Mount Morris, assignors to General Motors Corporation, Detroit, Mich. Cutter grinding machine. 2,548,277, Apr. 10.

Wiebe, Harold G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coiled stockholding fixture. 2,548,248, Apr. 10.

Wies, Calmy: *See*—
Caron, John B. R., Glendenning, and Wies.

Wiesenthal, Walter E., Wichita, Kans. Air-conditioning apparatus. 2,548,694, Apr. 10.

Wiesenthal, Walter E., Wilson, Kans. Mechanical jack. 2,548,695, Apr. 10.

Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Bearing assembly. 2,548,644, Apr. 10.

Wiley, John W., assignor to Armstrong Cork Company, Lancaster, Pa. Making mottled compressed cork articles. 2,547,989, Apr. 10.

Willard Storage Battery Company, assignee: *See*—
Raney, Robert M.

Williams, Frederick D. M., Nobel, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Vaporizer system for combustion chambers. 2,548,087, Apr. 10.

Williams, Keith, Buffalo, N. Y. Buffing mechanism. 2,548,088, Apr. 10.

Wilms, Frank F., East Rockaway, N. Y. Magnetic pickup. 2,547,990, Apr. 10.

Wilson, Corwin D., Flint, Mich. House of solidified foam. 2,548,576, Apr. 10.

Wilson, Harold M., Lexington, assignor to General Radio Company, Cambridge, Mass. Conxial connector for high-frequency transmission lines. 2,548,457, Apr. 10.

Wilson, Herbert O., Berea, Ohio. Latch. 2,548,413, Apr. 10.

Wilson, Howard L.: *See*—
Welch, Lester M., and Wilson.

Wilson, John R., Penn Township, Allegheny County, assignor to Hanlon & Wilson Company, Wilkinsburg, Pa. Bending tool for rail bond conductors. 2,548,414, Apr. 10.

Wilson, William R.: *See*—
Mabry, Forrest S., and Wilson.

Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Transmission. 2,548,756, Apr. 10.

Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Aircraft course stabilizing means. 2,548,278, Apr. 10.

Wisconsin Alumni Research Foundation, assignee: *See*—
Daniels, Farington.

Wiseman, Eugene R., Boulder, Colo. Golf ball holder. 2,548,330, Apr. 10.

Witbrod, Fred J., Chicago, Ill. Holder for wrist watch, pocket watch, indicator, and the like. 2,547,991, Apr. 10.

Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of an alkyl acrylate, an aromatic monoolefin, and a vinyl ester of an aromatic monocarboxylic acid. 2,548,186, Apr. 10.

Wolfner, Alfred S., Boston, Mass. Thermal system. 2,548,508, Apr. 10.

Woock, Herbert J., Alhambra, assignor to H. E. Linden, Los Angeles, Calif. Renewable plow edge. 2,548,458, Apr. 10.

Wood, Frank J., Jr., New Rochelle, assignor to E. Loewy, New York, N. Y. Cutting apparatus. 2,548,459, Apr. 10.

Woolsey, Theodore A.: *See*—
Houghton, Howard D., and Woolsey.

Woolsey, Theodore A., Pasadena, Calif., assignor to Marman Products Co., Inc. Band clamp. 2,548,249, Apr. 10.

Worcester Foundation for Experimental Biology, assignee: *See*—
Morgan, Myles, and Werthessen.

Worley, William S., assignor to The Gates Rubber Company, Denver, Colo. V-belt power transmission system. 2,548,135, Apr. 10.

Worthington, Harvey R., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electromagnetic field phase determining apparatus. 2,548,836, Apr. 10.

Wright Aeronautical Corporation, assignee: *See*—
Burdett, Harry W., and Page.

Wright, Edward F., Toledo, Ohio. Rotating disk game device. 2,548,837, Apr. 10.

Wright, Livingston: *See*—
Hayward, Carle R., and Wright.

Wycosky, Charles J., Elyria, Ohio. Swivel hanger for punching bags. 2,548,089, Apr. 10.

Wynkoop, Jean: *See*—
Baum, Nathaniel L., and Wynkoop.

Wyott Manufacturing Co. Inc., assignee : *See*—
Titus, Thomas L.
Yakutis, Anthony J. : *See*—
Hoglund, Ralph H., Hulstede, and Yakutis.
Yale & Towne Manufacturing Company, The, assignee : *See*—
Schroeder, Charles S.
Yamashiro, Kameo, Beverly Hills, Calif. Washing apparatus for automobiles and the like. 2,548,331, Apr. 10.
Yant, Chester W. : *See*—
Cantalupo, Francis J., De Craene, Schmidt, Setka, and Yant.
Young, David W. : *See*—
Sparks, William J., Young, and Garber.
Young, Lawrence R., Seattle, Wash. Adjustable traveling power-operated table saw. 2,548,279, Apr. 10.
Yowell, Howard L., Westfield, N. J., assignor to Standard Oil Development Company. Fungicidal compositions containing hexachlorocyclopentadiene. 2,548,509, Apr. 10.
Zitzewitz, Barbara O., assignee : *See*—
Vischer, Alfred, Jr.
Zitzewitz, Elmer K., assignee : *See*—
Vischer, Alfred, Jr.
Zitzewitz, Gertrude J., assignee : *See*—
Vischer, Alfred, Jr.
Zitzewitz, Walter W., assignee : *See*—
Vischer, Alfred, Jr.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Conveyer support and transport truck. R. W. Heer. Re. 23,353, Apr. 10.
Jar. L. W. Storm. Re. 23,354, Apr. 10.
Mold composition. B. P. Wallace. Re. 23,355, Apr. 10.

LIST OF DESIGN INVENTIONS

Amusement device. V. Hammer. 162,824, Apr. 10.
Anchor, Sea. P. W. Polenz. 162,874, Apr. 10.
Angle head for rotary tools. J. A. Price and J. D. Rutzebeck. 162,877, Apr. 10.
Attachment for carpenters' squares, Level and plumb. T. T. King. 162,841, Apr. 10.
Automobile. A. Ronning. 162,884, Apr. 10.
Base, Lamp. E. Van Deusen. 162,906, Apr. 10.
Blouse. J. Orloff. 162,868–9, Apr. 10.
Board, Console instrument. W. J. O'Connor. 162,866, Apr. 10.
Board, Game. M. Atlas. 162,770, Apr. 10.
Boot for dolls, Rubber. E. Gottschalk. 162,818, Apr. 10.
Broiler, Electric. H. Sado. 162,887, Apr. 10.
Bulldozer. R. G. Le Tourneau. 162,850, Apr. 10.
Cabinet or similar article, Combined television, radio, and phonograph. J. Barofsky. 162,772, Apr. 10.
Cabinet or the like, Article dispensing. F. N. Gay. 162,809, Apr. 10.
Cabinet, Portable tonsorial. L. Budny and E. F. Gorniklewicz. 162,783, Apr. 10.
Cabinet, Radio. R. Kronsberg. 162,847, Apr. 10.
Cabinet, Radio. C. W. Sundberg and M. Ferar. 162,899, Apr. 10.
Cabinet, Refrigerator. J. M. Little. 162,851–2, Apr. 10.
Camera, Miniature. F. Sochor. 162,892, Apr. 10.
Camera, Motion-picture. J. J. G. G. Broido. 162,782, Apr. 10.
Candelabrum and flower holder, Combined. J. D. Bussey. 162,787, Apr. 10.
Cap, Drip. R. L. Klein. 162,842, Apr. 10.
Capping machine, Bottle. W. E. Zimmermann. 162,919, Apr. 10.
Card or the like, Greeting. E. J. Jones. 162,838, Apr. 10.
Case, Cigarette. R. Capocci. 162,788, Apr. 10.
Casing for an electric shaver. I. Jepson. 162,836, Apr. 10.
Chair. F. W. Niemann. 162,865, Apr. 10.
Clamp, Laboratory. M. E. Goldberg. 162,812, Apr. 10.
Clock, Alarm. F. Luz. 162,855, Apr. 10.
Clockcase or similar article. J. F. Punzak. 162,879, Apr. 10.
Clock or similar article. H. H. Goldner. 162,814–17, Apr. 10.
Clothesline tightener and joiner, Combination. J. Adams. 162,767, Apr. 10.
Coffee maker, Automatic. C. H. Johns and K. R. McKee. 162,837, Apr. 10.
Comb and hair curler, Combined. J. Wenter. 162,912, Apr. 10.
Comb or similar article. E. R. Person. 162,871, Apr. 10.
Connector, Electrical. D. R. De Tar. 162,795, Apr. 10.
Container closure. J. W. Soffer. 162,893–4, Apr. 10.
Container for playing cards. J. E. Hurwitz. 162,832, Apr. 10.
Container, Metallic. G. Trautvetter. 162,903, Apr. 10.
Crib, Infant's. A. G. Feldman. 162,804, Apr. 10.
Dispenser or similar article, Ribbon. A. P. Swanson. 162,901, Apr. 10.
Display device, Advertising. A. K. Mellos. 162,859, Apr. 10.
Fabric, Narrow elastic. C. J. Busch. 162,785–6, Apr. 10.
Fabric or similar article, Textile. M. R. Hamre. 162,825, Apr. 10.
Fabric, Textile. H. A. Portong. 162,876, Apr. 10.
Facepiece for a goggle or the like. C. A. Ellis. 162,802, Apr. 10.
Fender, Automobile. A. J. Kaminski. 162,839, Apr. 10.
Fish lure. S. B. Bekkala. 162,776, Apr. 10.
Frame, Dip net. J. W. Harvey. 162,827, Apr. 10.
Frame or similar article, Picture. G. Glass. 162,810, Apr. 10.
Frame, Picture. A. Babitz. 162,771, Apr. 10.
Front for goggles. C. A. Ellis. 162,801, Apr. 10.
Gate top ornament. B. Youngworth. 162,918, Apr. 10.
Gauge for precious stones. W. H. Lehrfeld. 162,848, Apr. 10.
Graver and screw driver sharpening fixture. I. Waller. 162,911, Apr. 10.
Gun cradle, Belt attaching. O. L. Ulvang. 162,904, Apr. 10.
Handsaw. B. A. Derr. 162,794, Apr. 10.
Heater, Electric space. W. W. Wittle. 162,916, Apr. 10.
Helicopter. C. Barr and T. J. Harriman. 162,773, Apr. 10.
Holder and signal light housing, Combination license plate. K. Keller. 162,840, Apr. 10.
Holder, Combined string and spoon. J. H. Fuller. 162,806, Apr. 10.
Holder, Infant's combined bib and bottle. H. Daust. 162,793, Apr. 10.
Holder, Nail polish bottle. A. E. McGlinchey. 162,858, Apr. 10.
Holder or similar article, Combined pad and pencil. G. G. Dubinetz and R. C. Morris. 162,797, Apr. 10.
Housing for knife sharpeners. A. E. Anheuser. 162,768, Apr. 10.
Housing, Transducer. H. V. Rodgers-Bannister. 162,882, Apr. 10.
Insert for a box. A. Wiesen. 162,915, Apr. 10.
Instrument, Lens testing. C. A. Ellis. 162,800, Apr. 10.
Iron head or the like, Soldering. P. E. Spahn. 162,895, Apr. 10.
Knife, saw, and fork, Combined. E. J. Berger and E. Klein. 162,777, Apr. 10.
Lamp, Wall. E. Schwarz. 162,890, Apr. 10.
Loader, Self-propelled. L. H. Lull. 162,853, Apr. 10.
Machine thumb control unit, Drafting. F. E. Vaughan. 162,907, Apr. 10.
Match book package, Paper. J. F. Carse. 162,789, Apr 10.
Milker, Suspended. E. Rawson. 162,880, Apr. 10.
Mixer, Household. A. Iannelli. 162,833, Apr. 10.
Mixer, Household food. J. N. Polivka, G. T. Scharfenberg, and V. M. Butterfield. 162,875, Apr. 10.
Mixer, Truck. E. S. Prichard. 162,878, Apr. 10.
Mold for ice cube or the like. E. C. Ebbott. 162,798, Apr. 10.
Molding and filling machine unit, Pie. H. Burke. 162,784, Apr. 10.
Net or similar article, Dip. J. W. Harvey. 162,826, Apr. 10.
Oarlock. W. W. Wallace. 162,910, Apr. 10.
Office machine. R. E. Boyden and N. T. Freeman. 162,780, Apr. 10.
Ornament and signal light, Combined fender. R. Moss, Jr. 162,863, Apr. 10.
Pair of spectacles or similar article. I. Hirschman. 162,828, Apr. 10.
Pan, Drain. M. Citero. 162,791, Apr. 10.
Pan liner. P. Thompson. 162,902, Apr. 10.
Pan, Multiple compartment cooking. E. L. Utz. 162,905, Apr. 10.
Pedicure apparatus or similar article. W. W. Pearce. 162,870, Apr. 10.
Pen, Ball point. F. Ferber. 162,805, Apr. 10.
Pendulum or similar article, Clock. A. E. Koplar. 162,846, Apr. 10.
Photographic copying apparatus. E. Goldberg. 162,811, Apr. 10.
Pin or similar article. J. Sternberg. 162,896, Apr. 10.
Plastic film material. M. A. Susi. 162,900, Apr. 10.
Pocketbook. L. Kohn. 162,845, Apr. 10.
Pull member for roller curtains or the like. D. J. Morehouse. 162,861, Apr. 10.
Rack, Bedspread. M. A. Volk. 162,908, Apr. 10.
Razor, Safety. J. A. Still. 162,897, Apr. 10.
Rack, Pipe. H. C. Pierce. 162,872, Apr. 10.
Rack, Towel. H. Nielsen and G. Forrester. 162,864, Apr. 10.
Radio receiver, Helmet. V. T. Hoeflich. 162,829, Apr. 10.
Receptacle for attachment to vehicle sun visors. A. C. Janeshutz. 162,834, Apr. 10.
Register, Cash. R. E. Boyden and H. H. Freeman. 162,779, Apr. 10.

Screw driver and cap, Combined. I. A. Olson. 162,867, Apr. 10.
Shaft driving head, Flexible. W. W. Elliott. 162,799, Apr. 10.
Shears, Metal-cutting. W. M. Shoffner. 162,891, Apr. 10.
Slip, Bra-top. H. Breitman. 162,781, Apr. 10.
Sock. A. Beauchemin. 162,774–5, Apr. 10.
Sole, Shoe. I. Hoffenberg. 162,830, Apr. 10.
Spot removing device, Dry cleaners'. C. E. Richardson. 162,881, Apr. 10.
Spray head for aerosol dispensers. G. R. Saacke. 162,886, Apr. 10.
Spreader or similar article, Manure. G. W. Walker. 162,909, Apr. 10.
Stand or similar article, Display. F. Westernacher. 162,913–14, Apr. 10.
Stand, Refreshment. P. J. Rollo. 162,883, Apr. 10.
Stand, Smoking. J. P. Jansma. 162,835, Apr. 10.
Stand, Telephone. C. C. Bloomfield, Sr. 162,778, Apr. 10.
Stocking. A. E. Gaut. 162,807–08, Apr. 10.
Stocking. L. W. Gottschalck. 162,819–23, Apr. 10.
Stocking. C. N. Woodrow. 162,917, Apr. 10.
Stool, Utility. M. C. Lumley. 162,854, Apr. 10.
Sunglasses, Pair of. N. D. Feins. 162,803, Apr. 10.
Swing, Child's. E. C. Schmidli. 162,889, Apr. 10.
Syringe, Nose. L. P. Morton. 162,862, Apr. 10.
Table and cabinet, Combination. E. G. Arnell. 162,769, Apr. 10.
Telephone base. C. W. Sundberg. 162,898, Apr. 10.
Telephone unit, Selective ringing. T. J. McCann. 162,857, Apr. 10.
Test probe, Electrical. G. N. Goldberger and V. I. Robinson. 162,813, Apr. 10.
Toy, Airplane. W. D. Christman. 162,790, Apr. 10.
Toy, Child's. W. Dorn. 162,796, Apr. 10.
Trailer, Truck carrying. M. W. Lempke, A. J. Gentile, and J. J. Johnson. 162,849, Apr. 10.
Tray, Children's feeding. N. J. Mercer. 162,860, Apr. 10.
Tray or similar article, Dressing. H. O. Sandberg. 162,888, Apr. 10.
Trencher, Hydraulic. J. S. Pilch. 162,873, Apr. 10.
Vehicle, Automotive. E. O. Compton. 162,792, Apr. 10.
Ventilator, Hood. L. E. Russell. 162,885, Apr. 10.
Visor, Automobile sun. R. C. Huntoon. 162,831, Apr. 10.
Window head. R. L. Klein. 162,843, Apr. 10.
Window sill. R. L. Klein. 162,844, Apr. 10.
Wrench, Adjustable. E. Matthews. 162,856, Apr. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. F. Postma. 2,548,445, Apr. 10.
Abrasive sleeve holder. G. A. Larson. 2,548,166, Apr. 10.
Abrasive suspensions. W. E. Boak. 2,548,582, Apr. 10.
Absorbent pad. G. A. Bricmont. 2,548,341, Apr. 10.
Accumulator and dehydrator, Refrigeration. R. O. Balogh. 2,548,335, Apr. 10.
Acidifying compound for photographic baths. L. E. Muebler. 2,548,552, Apr. 10.
Acrylic resin, Multicellular. J. R. McLoughlin. 2,548,438, Apr. 10.
Activating oxide coated cathodes. H. Jacobs. 2,548,110, Apr. 10.
Activators for p quinone dioxime cures. L. B. Turner and W. C. Smith. 2,548,505, Apr. 10.
Actuating means for dumping hayrakes, Automatic trip. C. L. Uthaug. 2,548,083, Apr. 10.
Actuator for clutches. L. Ochtman. 2,548,269, Apr. 10.
Acylcarbamylguanidines, Preparation of. D. E. Nagy. 2,548,231, Apr. 10.
Adjustable post. C. E. Myers. 2,548,844, Apr. 10.
Adjuster for clothes hangers. K. S. Douglas. 2,548,778, Apr. 10.
Adsorption process and apparatus. C. H. O. Berg. 2,548,192, Apr. 10.
Agglomerating apparatus. C. Alexander and T. H. Whaley. 2,548,332, Apr. 10.
Agitator for drink mixers. L. Myers. 2,548,442, Apr. 10.
Agitator for liquid dispensing devices, Sirup. S. H. Ellison. 2,548,597, Apr. 10.
Air-conditioning. P. Edberg. 2,548,426, Apr. 10.
Air conditioning. W. M. Simpson. 2,548,448, Apr. 10.
Air-conditioning apparatus. W. E. Wiesenthal. 2,548,694, Apr. 10.
Aircraft control system. H. E. Heberding. 2,548,787, Apr. 10.
Aircraft course stabilizing means. W. H. Wirkler. 2,548,278, Apr. 10.
Alkoxyalkanoates of hydroxylated hormones and producing same, Lower. E. J. Lawson, C. J. Cavallito, and A. Mooradian. 2,547,949, Apr. 10.
Alkyl benzene peroxides, Manufacture of. R. H. Hall and D. C. Quin. 2,547,938, Apr. 10.
Alkylation of urea with olefins. H. C. Brown. 2,548,585, Apr. 10.
Alkylmercaptoalkanoates of hydroxylated hormones and producing same, Lower. A. Mooradian, E. J. Lawson, and C. M. Suter. 2,547,961, Apr. 10.
Alkylthiohydroxypropyl quaternary ammonium halides, Preparation of. J. F. Olin. 2,548,679, Apr. 10.
Alpha-halogen substituted acrylic compounds. C. E. Barnes and W. O. Ney, Jr. 2,548,091, Apr. 10.
Altar, Folding. F. T. Paden. 2,547,966, Apr. 10.
Amides, Preparation of. T. L. Gresham and F. W. Shaver. 2,548,155, Apr. 10.
Amino-aldehyde condensation products and preparing them. G. Barsky and F. A. Strauss. 2,548,416, Apr. 10.
Amplifier. P. T. Semm and R. T. Nakasone. 2,548,176, Apr. 10.
Amplifier, Distortion-free automatic volume control. F. W. Roberts and R. C. Curtis. 2,548,822, Apr. 10.
Amplifier, Magnetic. R. W. Olson. 2,548,049, Apr. 10.
Analogue, Electrical. B. D. Lee and G. Herzog. 2,547,950, Apr. 10.
Analyzing optical images. G. A. Morton and G. L. Krieger. 2,548,118, Apr. 10.
Anode for magnetrons, Continuous-strip. N. P. Nichols. 2,548,808, Apr. 10.
Antenna, Directive dielectric guide. C. C. Cutler. 2,548,655, Apr. 10.
Antitipping and bumper structure for baby carriages. L. Gottfried. 2,548,601, Apr. 10.
Apparatus and method of making friction lining. D. W. Fether. 2,548,009, Apr. 10.
Apparatus for applying lubricant to the surface of an endless conveyer. L. W. Peck. 2,548,739, Apr. 10.
Apparatus for assembling attachment plugs. N. Chirelstein. 2,548,773, Apr. 10.
Apparatus for conducting high-temperature reactions. L. W. T. Cummings. 2,548,519, Apr. 10.
Apparatus for counting bacterial colonies. F. W. Kavanagh. 2,548,478, Apr. 10.
Apparatus for de-airing and delivering plaster. J. A. Bower. 2,548,340, Apr. 10.
Apparatus for detection of flaws by means of microwaves. G. E. Felker, Jr. 2,548,598, Apr. 10.
Apparatus for dielectric heating. R. H. Blewitt. 2,548,093, Apr. 10.
Apparatus for discharging liquid by a medium stored under pressure. D. Mapes and A. E. Schmidlin. 2,547,954, Apr. 10.
Apparatus for dyeing or otherwise treating fibrous materials. J. M. Rugh. 2,548,740, Apr. 10.
Apparatus for filling and weighing containers. J. A. Maslin. 2,548,611, Apr. 10.
Apparatus for filling bags. H. V. Kindseth. 2,548,222, Apr. 10.
Apparatus for finishing glassware. C. W. Schreiber. 2,548,743, Apr. 10.
Apparatus for forming paper strips into continuous label forming bands for yarn and the like. S. E. Tribbey. 2,548,451, Apr. 10.
Apparatus for heating fluids to high temperatures. F. W. Leffer. 2,548,030, Apr. 10.
Apparatus for inspection of sensitized materials. C. A. Morrison. 2,548,351, Apr. 10.
Apparatus for manufacturing screw sticks. E. H. Kesel. 2,548,538, Apr. 10.
Apparatus for measuring and transmitting a condition from a rotatable member. H. Schaevitz. 2,548,397, Apr. 10.
Apparatus for mixing and dispensing beverages. J. V. Whipple. 2,548,641, Apr. 10.
Apparatus for mixing and dispensing paint. W. L. Hancock and B. Walsh. 2,548,106, Apr. 10.
Apparatus for processing continuous film. O. J. Wampole, F. M. Brown, and C. M. Tuttle. 2,548,573, Apr. 10.
Apparatus for pumping concrete. C. I. Longenecker. 2,548,733, Apr. 10.
Apparatus for pyrolytic conversion of hydrocarbons. O. G. Kaasa. 2,548,026, Apr. 10.
Apparatus for releasably locking a gasoline pump or the like after each operation thereof. B. J. Patten. 2,547,967, Apr. 10.
Apparatus for simulating the operation of a radio object locating system. W. Roth. 2,548,684, Apr. 10.
Apparatus for thickening liquid slurry stock. J. Baxter, Jr. 2,548,417, Apr. 10.
Applicator, Paint. M. Bick. 2,548,580, Apr. 10.
Apron movement for carry type scrapers. A. A. Vereschagin. 2,548,754, Apr. 10.
Arc-over protective system for high-frequency heating systems. J. E. Walstrom. 2,548,246, Apr. 10.
Arc transferring means for switchgears. A. C. Kelle. 2,548,220, Apr. 10.
Ash receiver. C. Hendricks. 2,548,533, Apr. 10.
Assembly machine, Box end. H. J. Goff. 2,548,527, Apr. 10.
Attachment for ceramic combustion chambers. F. Christenson. 2,548,421, Apr. 10.
Attachment for filling and draining fuel tanks. R. H. Davies. 2,548,354, Apr. 10.
Attachment for power vehicles, Rotary brush sweeper. H. E. Milz and J. J. Sichman, Jr. 2,548,676, Apr. 10.
Attachment for shapers, Automatic variable feed. L. A. Vasaskos. 2,548,180, Apr. 10.
Attachment for tanks through which the tank may be filled. E. C. Hartley and C. P. Dahl. 2,548,368, Apr. 10.
Attachment for tractors, Ditching and terracing. L. S. Berry. 2,548,139, Apr. 10.
Attachment for tractors, Reverse scoop. B. F. Arps 2,548,461, Apr. 10.
Attachment for wheels, Counterbalancing. R. C. McCrorey. 2,548,842, Apr. 10.
Attenuator. A. J. Hyatt. 2,548,024, Apr. 10.
Attenuator for very high frequency waves. H. F. Mataré. 2,548,116, Apr. 10.
Audio output system, Transformerless. H. F. Olson. 2,548,235, Apr. 10.
Automatic focusing circuit. R. H. Hoglund, G. E. Hulstede, and A. J. Yakutis. 2,548,791, Apr. 10.
Automatic resetting timing switch. R. H. Hickey. 2,548,604, Apr. 10.
Automatic restoring mechanism for alarm-clock shutoffs. E. L. Gordon. 2,548,362, Apr. 10.
Auxiliary toilet seat. E. B. Potts and F. D. La Roche. 2,548,238, Apr. 10.
Axle, Drive. B. Griffith. 2,548,258, Apr. 10.

Bag: *See*—
Urinal specimen bag.
Bag for medical and hygienic purposes. M. V. Gandhi. 2,548,359, Apr. 10.
Bag packer. H. L. Stoker. 2,548,075, Apr. 10.
Baling machine. M. Ronning and K. M. Keith. 2,548,559, Apr. 10.
Ballast removal apparatus. R. A. Morrison. 2,548,677, Apr. 10.
Band clamp. T. A. Woolsey. 2,548,249, Apr. 10.
Bar connection, Automatic pitman. M. J. Polley. 2,548,055, Apr. 10.
Bar feed mechanism, Breech-loading. B. C. Harney. 2,548,786, Apr. 10.
Bar feed mechanism for machine tools. B. C. Harney. 2,548,785, Apr. 10.
Basket with folding table and benches, Picnic. E. Weamer. 2,548,639, Apr. 10.
Battery carrier. C. W. Deo. 2,548,256, Apr. 10.
Battery, Storage. R. M. Raney. 2,548,558, Apr. 10.
Battery terminal clamp. A. G. Goodnight. 2,548,782, Apr. 10.
Beam head. C. A. Pendleton. 2,548,390, Apr. 10.
Bearing assembly. L. W. Wightman. 2,548,644, Apr. 10.
Bearing assembly for oil mills lubricated by the material processed, Internal thrust. R. C. Hopkins. 2,548,792, Apr. 10.
Heater. G. W. Dodge. 2,548,425, Apr. 10.
Bedcover-supporting means. L. L. Hinton. 2,547,942, Apr. 10.
Bedspring. L. I. Cohn. 2,548,349, Apr. 10.
Bed warmer and producing same, Electric. G. W. Crise. 2,548,467, Apr. 10.
Bed warmers, Producing electric. G. W. Crise. 2,548,468, Apr. 10.
Belt for fish lures, Carrying. R. D. Thorn. 2,548,080, Apr. 10.
Belt traction means for V-pulleys. B. H. Locke. 2,548,316, Apr. 10.
Beta-chloro acyl chloride, Preparation of. J. E. Jansen and W. L. Beears. 2,548,161, Apr. 10.
Beta halo substituted phenethyl amines. L. C. Cheney. 2,548,652, Apr. 10.
Biasing system for magnetic recorders. W. Howey. 2,548,109, Apr. 10.
Bit: *See*—
Thermal shock drilling bit.
Binder, Loose-leaf. J. A. Purvis. 2,548,618, Apr. 10.
Block: *See*—
Junction block.
Blower. V. Petr, Jr. 2,548,615, Apr. 10.
Board: *See*—
Clip board. Collapsible ironing board.
Board with adjustable supporting legs, Ironing. E. C. Booth. 2,548,648, Apr. 10.
Board with playing piece receptacles, Folding game. J. E. Huffaker. 2,548,606, Apr. 10.
Boat and trailer, Combination. D. J. Van Oeveren. 2,548,274, Apr. 10.
Bobbin and making the same, Weft. R. G. Turner. 2,548,454, Apr. 10.
Bobbin for weft detecting systems. R. G. Turner. 2,548,453, Apr. 10.
Boiler: *See*—
Multipass boiler.
Bomb slip, towing gear, and analogous releasable attachment. R. K. Pierson and R. A. Firman. 2,548,053, Apr. 10.
Book, Child's. F. Muhlhauser. 2,548,043, Apr. 10.
Boot or the like. C. G. Tranefors. 2,548,753, Apr. 10.
Bore sighting apparatus. J. A. Broadston. 2,548,700, Apr. 10.
Boron fluoride in ethylidene fluoride for low-temperature polymerization. L. M. Welch and H. L. Wilson. 2,548,415, Apr. 10.
Box: *See*—
Cable controlled dump box. Switch box.
Fisherman's bait box.
Box with attached handles. S. Bergstein. 2,548,252, Apr. 10.
Boxed produce handling equipment. H. C. Brest. 2,548,767, Apr. 10.
Bracket: *See*—
Window shade bracket.
Bracket. F. G. Horstmann. 2,548,476, Apr. 10.
Brake adjusting device. F. Neale. 2,548,044, Apr. 10.
Brake beam structure, Railway. H. W. Ekholm. 2,548,595, Apr. 10.
Brake construction, Disk. L. N. Franklin. 2,548,008, Apr. 10.
Brake control apparatus. G. T. McClure and E. G. Erson. 2,548,674, Apr. 10.
Braking arrangement for casting reels. K. Siegrist. 2,548,073, Apr. 10.
Brassière, Decolleté. W. Rosenthal. 2,548,823, Apr. 10.
Briquetting and product thereof. J. H. Gibbs, A. H. Andersen, and A. J. Abbott. 2,548,212, Apr. 10.
Brush, Shaving. J. F. Fitzgerald. 2,548,429, Apr. 10.
Brush with separate handle, container, and brush base, Fountain. D. Kumpman. 2,548,729, Apr. 10.
Brushing machine, Demountable. G. M. Smith. 2,548,826, Apr. 10.
Buckle, Belt. W. A. and T. J. Critchley. 2,548,200, Apr. 10.
Buffing mechanism. K. Williams. 2,548,088, Apr. 10.
Buffing wheel. C. F. Schlegel. 2,548,623, Apr. 10.
Burner: *See*—
Controlling pilot burner. Vaporizing type oil burner.
Burning apparatus for plant beds. L. K. Reister. 2,548,065, Apr. 10.
Bus structure, Isolated phase. J. W. Stafford. 2,548,566, Apr. 10.
Cabinet with disappearing ironing board. J. Mantagas. 2,548,437, Apr. 10.
Cable controlled dump box. A. A. Monson. 2,548,613, Apr. 10.
Calcining decrepitating rocks, including limestone. F. S. White. 2,548,642, Apr. 10.
Calculator, Vectorial and mathematical. H. S. Marsh. 2,547,955, Apr. 10.
Calendar, Perpetual. A. S. Neves. 2,548,553, Apr. 10.
Camera with movable spool section, Roll holding. J. Mihalyi. 2,548,549, Apr. 10.
Cane and instrument support, Combined walking. W. Embrey. 2,548,711, Apr. 10.
Canopy and mounting, Cooking stove ventilating. R. Sonntag. 2,548,406, Apr. 10.
Car: *See*—
Wide frame mine car.
Car arrangement, Sleeping. C. L. Eksergian. 2,548,292, Apr. 10.
Car arrangement, Sleeping. G. R. Ericson. 2,548,006, Apr. 10.
Car with superposed rooms, Sleeping. C. L. Eksergian and M. Watter. 2,548,293, Apr. 10.
Carbon dioxide purification process. W. H. Rupp; 2,548,499, Apr. 10.
Carboy, Boxed. W. E. Watson. 2,548,638, Apr. 10.
Carload adjusting means. E. Prati. 2,548,057, Apr. 10.
Carrier: *See*—
Battery carrier.
Carrier for industrial trucks, Power-operated drum. H. A. Reinhart. 2,548,064, Apr. 10.
Carrier for typewriters, Paper. W. M. Fitzgerald. 2,548,715, Apr. 10.
Carrier or the like, Mobile fuel. A. G. Arpin, Jr. 2,548,190, Apr. 10.
Cartridge, Filter. S. W. Briggs. 2,548,584, Apr. 10.
Case and dispenser, Cigarette. W. W. Jennings. 2,548,310, Apr. 10.
Casing or cover for a handle or the like. K. Horch. 2,548,215, Apr. 10.
Casing structure for reduction drive units. R. B. Moir and O. I. Stangeland. 2,548,805, Apr. 10.
Casting method. R. E. Cunningham. 2,548,353, Apr. 10.
Catalytic hydrogenation and apparatus therefor. L. B. Goodson and J. A. Guyer. 2,548,015, Apr. 10.
Catalytic process. E. L. Little, Jr. 2,548,803, Apr. 10.
Cementing plastically deformable bodies and products thereof. M. J. Buerger and E. Washken. 2,548,344, Apr. 10.
Centrifugal egg separator. W. J. Patterson. 2,548,812, Apr. 10.
Centrifugal fuel feeding system for annular combustion chambers. E. F. Miller. 2,547,959, Apr. 10.
Chain hoist. E. E. Robins and H. F. Parker. 2,548,846, Apr. 10.
Chair: *See*—
Self-adjusting chair. Suspensible child's chair.
Change-speed transmission. R. E. Gill. 2,548,153, Apr. 10.
Character repeating mechanism for typewriters, Automatic. W. S. Gates, Jr. 2,548,717, Apr. 10.
Child's vehicle. T. J. Stout. 2,548,749, Apr. 10.
Chimes. F. L. Dodd. 2,548,710, Apr. 10.
Chlorination of hydrocarbons. G. W. Ayers and E. E. Harton, Jr. 2,548,764, Apr. 10.
Chlorine by oxidation of hydrogen chloride, Manufacture of. C. W. Davis, F. A. Ehlers, and R. G. Ellis. 2,547,928, Apr. 10.
Choke control for internal-combustion engines, Automatic. W. E. Armstrong. 2,548,334, Apr. 10.
Chopper, Feed. B. F. Freeman. 2,548,664, Apr. 10.
Chronograph, Split seconds flyback. G. Dubey and R. Schaldenbrand. 2,548,101, Apr. 10.
Chute and combined valve and agitator actuated by material being dispensed, Discharge. F. J. Hirsch. 2,548,022, Apr. 10.
Circuit: *See*—
Automatic focusing circuit. Television receiver background control circuit.
Shaft rotation indicating circuit. Thermionic overvoltage protection circuit.
Circuit breaker. L. Purpura. 2,548,617, Apr. 10.
Circuit breaker. F. N. Schwend and W. H. Petit. 2,548,825, Apr. 10.
Circuit for the generation of a linearly varying current. W. R. Hedeman, Jr. 2,548,532, Apr. 10.
Circuit for timing devices. W. C. Klammer. 2,548,028, Apr. 10.
Circuit isolating air break switch. J. S. Thompson and C. R. Ray. 2,548,079, Apr. 10.
Circuits and relay, Motor starting. H. Y. Fisher and E. M. Soreng. 2,548,148, Apr. 10.
Circuits, Fault-suppressing. E. F. W. Alexanderson, A. H. Mittag, and E. L. Phillipi. 2,548,577, Apr. 10.
Circuits for electric converting systems, Control. B. D. Bedford. 2,548,579, Apr. 10.

Clamp: *See*—
Band clamp. Ventilated band clamp.
Battery terminal clamp.
Clamp for electrical circuits, Ground. A. B. Downs, Jr. 2,547,932, Apr. 10.
Clamp for light shields, Adjustable. R. J. Brandt. 2,548,650, Apr. 10.
Clamping device. J. W. Sherwood. 2,548,401, Apr. 10.
Clamping means and device provided therewith. A. Leitman. 2,548,483, Apr. 10.
Clarification of sparkling wines. H. R. Carveth, Jr. 2,548,701, Apr. 10.
Clasp, Resilient. W. L. Goodman, Jr. 2,548,781, Apr. 10.
Cleaner: *See*—
Peanut cleaner.
Cleaner for sparking styluses, Automatic. C. L. Boyajian, G. R. Rede, and H. M. Dimond. 2,548,583, Apr. 10.
Clearance control. D. E. Garr. 2,548,599, Apr. 10.
Clip: *See*—
Wave guide clip.
Clip board. F. E. Neikirk. 2,548,389, Apr. 10.
Clip for paper cartons, Flap retainer. R. H. and R. H. Collier. 2,548,705, Apr. 10.
Clothespin. W. L. Churchill, Jr. 2,548,254, Apr. 10.
Clothespin. H. R. Johnson. 2,548,536, Apr. 10.
Cloth-holding device for buttonhole attachments. C. G. Baehr. 2,547,921, Apr. 10.
Cloth-holding device for buttonhole attachments. J. Connors. 2,547,925, Apr. 10.
Cloth-holding device for buttonhole attachments. H. H. Russell. 2,547,977, Apr. 10.
Clutch: *See*—
Starter type clutch.
Coated papers, Moldproofing mineral. J. A. Bicknell and S. J. Johnson. 2,548,646, Apr. 10.
Coating apparatus, Electrostatic. C. Kahan. 2,548,477, Apr. 10.
Coil assembly, Electrical. W. M. Drobish and E. L. Drom. 2,548,205, Apr. 10.
Coil, Electrical. J. S. Franks. 2,548,210, Apr. 10.
Coil, Loading. E. J. Crane and R. P. Cross, Jr. 2,548,199, Apr. 10.
Coil terminal, Loading. E. L. Drom. 2,548,206, Apr. 10.
Coiled stockholding fixture. H. G. Wiebe. 2,548,248, Apr. 10.
Collapsible hose coupling. E. J. Slattery. 2,547,983, Apr. 10.
Collapsible ironing board. E. Condak. 2,548,099, Apr. 10.
Collar and hood, Combination. J. De Grazia. 2,547,931, Apr. 10.
Collecting mechanism comprising a rotating leveling roller for moving trays of cigarettes. F. F. Ruau. 2,548,620, Apr. 10.
Collector for drills, Magnetic shaving. R. I. Kinney, Sr. 2,548,314, Apr. 10.
Coloration of polyvinyl plastics. H. Jones and C. Musgrave. 2,548,376, Apr. 10.
Combustion chamber lining. I. Lubbock. 2,548,485, Apr. 10.
Compact, Cosmetic. I. and A. Polin. 2,547,971, Apr. 10.
Compass, Ellipse. W. C. Morgan. 2,548,039, Apr. 10.
Compositions and methods using reduction-sensitive vat dyes and inorganic halogenates. J. M. Mecco. 2,548,544, Apr. 10.
Compositions and methods using reduction-sensitive vat dyes and inorganic nitrites. J. M. Mecco. 2,548,543, Apr. 10.
Compressor. H. W. Burdett and F. B. Page. 2,548,465, Apr. 10.
Compressor arrangement for internal-combustion engine exhausting combustion products to another engine. J. E. Johansson. 2,548,609, Apr. 10.
Condenser rotor shaft, Insulated multisection. B. N. Fisher. 2,548,713, Apr. 10.
Conducting hydrocarbon conversion reactions, Method and apparatus for. E. V. Bergstrom. 2,548,286, Apr. 10.
Conductor for railway motors, Ventilated electrical. W. W. Peters. 2,548,614, Apr. 10.
Connection means for a windshield wiper blade and arm unit. J. W. Anderson. 2,548,090, Apr. 10.
Connector for high-frequency transmission lines, Coaxial. H. M. Wilson. 2,548,457, Apr. 10.
Construction materials from wood and other vegetable fibers, Production of. H. E. Bowers. 2,548,095, Apr. 10.
Construction of electric motors and generators. G. H. Treat. 2,548,133, Apr. 10.
Contact assembly. J. D. Kleis and G. Halverson. 2,547,947, Apr. 10.
Container: *See*—
Display shipping container.
Quick emptying, movably mounted, spring-loaded supply container.
Container. E. R. Stephan. 2,548,130, Apr. 10.
Control apparatus for periodically operating machines. H. R. Fernbach. 2,548,427, Apr. 10.
Control for electric blankets. G. H. Allgeyer. 2,548,760, Apr. 10.
Controlling pilot burner. C. M. Garner. 2,548,300, Apr. 10.
Controlling windows and the like. P. F. Rossmann and K. Rath. 2,548,847, Apr. 10.
Conveyer apparatus for serving of meals. M. Stern. 2,548,131, Apr. 10.
Conveyer discharge mechanism. H. S. and W. H. Johns, and A. D. Sinden. 2,548,111, Apr. 10.
Conveyer, Flexible tray. E. Read. 2,548,061, Apr. 10.
Cooking apparatus, Electrical. O. E. Eckhoff. 2,548,524, Apr. 10.
Cooling units embodying control to limit condensation, Room. W. A. Grant. 2,548,665, Apr. 10.
Copolymers of proteins having unsaturated radicals united therewith. R. E. Damschroder and J. W. Gates, Jr. 2,548,520, Apr. 10.
Copolymers of 3,4 or 3,5-dichloro alpha methyl-styrene with fluoroethylenes. T. A. Te Grotenhuis and G. H. Swart. 2,548,504, Apr. 10.
Copyholder. H. I. Richards. 2,547,973, Apr. 10.
Core structure for electromagnets. W. A. Ray. 2,548,239, Apr. 10.
Corona triode voltage regulator. C. M. Turner. 2,548,452, Apr. 10.
Cotton picker spindle slat fastening means. J. D. Rust. 2,548,069, Apr. 10.
Couch. J. C. Udd. 2,548,570, Apr. 10.
Coupler. F. H. Kayler. 2,548,479, Apr. 10.
Coupling: *See*—
Collapsible hose coupling. Pipe coupling.
Hydraulic coupling. Valved hose coupling.
Coupling and belt lifter, Vacuum cleaner attachment. T. F. Stent. 2,548,632, Apr. 10.
Cover: *See*—
Ventilating hive cover. Wheel cover.
Cradle. F. W. Parker. 2,548,811, Apr. 10.
Crank device, Safety. S. L. Grove. 2,548,666, Apr. 10.
Crankless mechanism. T. L. Sherman. 2,548,686, Apr. 10.
Crib and play pen, Combination. M. S. Burgin, 2,548,769, Apr. 10.
Crimped filaments, Manufacture of. H. and R. S. Von Kohorn. 2,548,181, Apr. 10.
Cross linking. J. F. Walker and S. E. Kokowicz. 2,548,455, Apr. 10.
Crutch and crutch attachment. M. Bonn. 2,548,253, Apr. 10.
Cuff tacker attachment. F. C. Stein. 2,548,827, Apr. 10.
Cuprammonium hydroxide solution and preparing the same, Stabilized. C. E. Thorp. 2,548,636, Apr. 10.
Cushioned railway wheel. J. H. Coombes. 2,548,839, Apr. 10.
Cut-easy device. H. E. Smith. 2,548,243, Apr. 10.
Cutter: *See*—
Hedge and weed cutter.
Cutter sharpening machine. J. P. Scone. 2,547,981, Apr. 10.
Cutting apparatus. F. J. Wood, Jr. 2,548,459, Apr. 10.
Cyanobutyl guanamine, Preparing. J. E. Castle. 2,548,772, Apr. 10.
Cyclic polymeric organo silicates and preparing same. R. K. Iler. 2,547,944, Apr. 10.
Cylinder transporting device for industrial trucks. H. A. Reinhart. 2,548,063, Apr. 10.
Dampener, Compressor pulsation. H. D. Gibson. 2,548,472, Apr. 10.
Dampener for spindle lubricant reservoirs, Vibration. R. J. McCormack. 2,548,675, Apr. 10.
Defrost control for refrigeration systems. C. A. Smith. 2,548,324, Apr. 10.
Dehydrator and mixer, Grain. T. L. Hintz. 2,548,262, Apr. 10.
Dental appliance for determining proper centric bite in the art of producing artificial dentures. L. I. Raiche. 2,548,817, Apr. 10.
Depth and angle gauge. O. A. Muller. 2,548,490, Apr. 10.
Determining temperature of complete miscibility of liquids. R. J. Askevold. 2,548,763, Apr. 10.
Determining the oxygen content of copper. C. M. Anderson, R. A. Harris, and C. C. Patton. 2,548,187, Apr. 10.
Detoxifying castor bean proteins. H. F. Saunders. 2,547,980, Apr. 10.
Device for deforming and removing crown caps. V. S. Belpedio and G. L. Barton. 2,548,697, Apr. 10.
Device for holding wipers. O. C. Slavens. 2,548,127, Apr. 10.
Device for introducing motion into sealed casings. P. A. Noxon. 2,548,555, Apr. 10.
Device to facilitate amputee operation of motor vehicles. F. W. Reeder and M. E. Ondov. 2,548,240, Apr. 10.
Diaper. A. O. Karels. 2,548,162, Apr. 10.
Diaphragm introducer. L. Coel. 2,548,775, Apr. 10.
Dictating machine. J. H. Trevitt and J. E. Renholdt. 2,548,831, Apr. 10.
Diesters of succinic acid, Production of. W. D. Jones. 2,548,025, Apr. 10.
Differential grid blocking system for electronic frequency changers. A. J. Hansen. 2,548,474, Apr. 10.
Differential protective arrangement. H. T. Seeley. 2,548,625, Apr. 10.
Dilator, Inflatable. L. Greenburg. 2,548,602, Apr. 10.
Dishwashing apparatus. E. J. and T. E. Culligan. 2,548,100, Apr. 10.
Disk game device, Rotating. E. F. Wright. 2,548,837, Apr. 10.

Dispenser: *See*—
Pump dispenser.
Dispensing apparatus, Beverage. D. S. Reynolds, D. E. Hooker, and A. E. Voirol. 2,548,241, Apr. 10.
Dispensing device for collapsible tubes. A. Cadalzo. 2,548,587, Apr. 10.
Display shipping container. S. T. Butterfill. 2,548,001, Apr. 10.
Display device, Advertising. A. M. Ryan. 2,548,070, Apr. 10.
Display device, Luminous. M. E. Sholkin. 2,548,126, Apr. 10.
Distillation of secondary butyl acetate from secondary butyl alcohol and water. E. H. Amick, Jr. 2,548,460, Apr. 10.
Distributor, Flow. L. Hornbostel. 2,548,108, Apr. 10.
Dock plate. W. E. McDonald. 2,547,956, Apr. 10.
Doll with movable parts. O. L. Pearson. 2,548,237, Apr. 10.
Dolly for moving and handling blocks of granite. F. Pinto. 2,548,054, Apr. 10.
Door operator, Electric semiautomatic. K. L. Mosher. 2,548,042, Apr. 10.
Dowel attachment and adjusting lock for forms. R. E. Heltzel. 2,548,214, Apr. 10.
Drafting mechanism in spinning or like machines. J. Noguera. 2,548,232, Apr. 10.
Drawbar, Trailer. D. S. Weiss. 2,548,085, Apr. 10.
Dress ensemble, Foundation. T. E. Christiansen. 2,548,143, Apr. 10.
Drier: *See*—
Photographic drier.
Drier. E. W. Gray. 2,548,363, Apr. 10.
Drier. W. L. Kauffman, II. 2,548,313, Apr. 10.
Drive for spinning and twister frames, Traverse motion. J. B. Goodgame. 2,548,719, Apr. 10.
Drive system for radio receivers, Manual. M. J. Pifer and A. D. Meyer. 2,548,120, Apr. 10.
Drum filter medium. C. L. and C. J. Peterson and H. Burwell. 2,547,969, Apr. 10.
Dry ice from natural gas, Production of. R. P. Russell and W. H. Rupp. 2,548,498, Apr. 10.
Dual control for the throttle and reversing means of pressure fluid engines. C. H. Cosnett. 2,548,198, Apr. 10.
Dye-printing blank, Mordanted imbibition. W. J. Weyerts. 2,548,575, Apr. 10.
Dynamoelectric machine. H. M. Stephenson. 2,548,633, Apr. 10.
Egg breaker. J. W. Gruss. 2,548,667, Apr. 10.
Elastic time division multiplex system. C. B. H. Feldman. 2,548,661, Apr. 10.
Electric feeler mechanism for filling detection in looms. R. G. Clark. 2,548,348, Apr. 10.
Electric oil well heater. S. A. Germain. 2,548,360, Apr. 10.
Electric switch. W. J. Allan. 2,548,280, Apr. 10.
Electric switch. M. H. French. 2,548,103, Apr. 10.
Electric switch. G. G. Obenour. 2,548,678, Apr. 10.
Electrical contact. J. D. Kiels. 2,548,164, Apr. 10.
Electromagnetic field phase determining apparatus. H. R. Worthington, Jr. 2,548,836, Apr. 10.
Electromagnetic operating and control system. C. R. Ray. 2,548,060, Apr. 10.
Electron tube. R. L. Snyder, Jr. 2,548,405, Apr. 10.
Electronic controlled relay. W. D. Macgeorge. 2,548,542, Apr. 10.
Electronic storage device. R. C. Hergenrother. 2,548,789, Apr. 10.
Electrostatic precipitator. W. J. Roos. 2,548,497, Apr. 10.
Electrostatic separator. J. H. Carpenter. 2,548,771, Apr. 10.
Elimination of hydrogen from heats of killed steel. C. R. Taylor and C. F. Staley. 2,548,849, Apr. 10.
End dam for centrifugal pipe molds. J. Boucher. 2,548,464, Apr. 10.
Engine cooling system, Aircraft. H. E. Hotz and R. B. Geibard. 2,548,794, Apr. 10.
Engine starter meshing means. C. S. Metsger. 2,548,268, Apr. 10.
Esters of alpha-acetaminoacrylic acid. H. W. Coover, Jr., and J. B. Dickey. 2,548,518, Apr. 10.
Esters of isothiocyanic acid, Preparation of. R. E. Sayre. 2,548,741, Apr. 10.
Esters of trimethyladipic acid. R. F. Robey. 2,548,493, Apr. 10.
Esters of trimethyladipic acid. P. V. Smith, Jr. 2,548,494, Apr. 10.
Evaporator, Flash. Y. S. Touloukian. 2,548,081, Apr. 10.
Excitation and control system for electronic devices. J. E. Hudson. 2,548,605, Apr. 10.
Exhaust silencer, Air-cooled. E. Smith. 2,548,563, Apr. 10.
Expander and contractor roll. J. D. Robertson. 2,547,975, Apr. 10.
Explosives containing ammonium nitrate, Producing. J. Whetstone and J. Taylor. 2,548,693, Apr. 10.
Extraction and fractionation of fatty materials, Selective. W. M. Leaders. 2,548,434, Apr. 10.
Extraction of tin from ores and concentrates. C. R. Hayward and L. Wright. 2,547,939, Apr. 10.
Fastener: *See*—
Separable fastener. Snap fastener.
Fastening. J. H. Oswald. 2,548,681, Apr. 10.
Fatigue testing machine. B. J. Lazan. 2,548,381, Apr. 10.
Faucet. J. L. Saulsberry. 2,548,071, Apr. 10.
Feeding and printing paper, Method and apparatus for. F. R. Bartholomew. 2,548,281, Apr. 10.
Feeding mechanism. L. Walters. 2,548,834, Apr. 10.
Feeding mechanism, Shoe heel. J. P. Quirk and L. G. P. Hafner. 2,548,321, Apr. 10.
Filling machine for gaseous liquids. P. L. Chelle. 2,548,589, Apr. 10.
Filling machine, Multiple. F. J. Cozzoli. 2,548,707, Apr. 10.
Film-winding control and counter for roll-holding cameras. D. C. Harvey. 2,548,530, Apr. 10.
Film winding control for roll-film handling apparatus. P. J. Ernisse. 2,548,525, Apr. 10.
Filter. J. P. Morris. 2,548,440, Apr. 10.
Filtering apparatus, Fluid. F. B. Shepard. 2,548,400, Apr. 10.
Finger band, Pin-inserting. R. Doyle. 2,548,521, Apr. 10.
Fire alarm, Explosive type. F. S. and J. G. Lovelace. 2,548,382, Apr. 10.
Fire escape. H. M. Carlsen. 2,548,466, Apr. 10.
Fire extinguisher. T. A. Henshaw. 2,548,157, Apr. 10.
Fire extinguisher unit. P. E. Frantz. 2,548,358, Apr. 10.
Fire-extinguishing system, Foamite. C. H. Trotter and A. W. Sweeney. 2,548,409, Apr. 10.
Fire-prevention equipment, Floating. C. H. Marshall. 2,548,384, Apr. 10.
Fireproof cigarette holder. F. Vertlz. 2,548,689, Apr. 10.
Firing mechanism for submarine guns. F. W. Sampson and G. J. Hyde. 2,548,622, Apr. 10.
Fisherman's bait box. J. M. Cromley. 2,548,201, Apr. 10.
Fishing apparatus. H. W. Lind, Jr. 2,548,224, Apr. 10.
Fishing line float. J. Doleja, Sr. 2,548,355, Apr. 10.
Fishing pole holder. L. M. Thayer. 2,548,328, Apr. 10.
Fishing pole with automatic lure-casting attachments. H. C. Elliott. 2,548,102, Apr. 10.
Fishing reel. J. MacBlane. 2,548,317, Apr. 10.
Fishing reel. R. D. West. 2,548,247, Apr. 10.
Fishing rod holder. C. T. Coombs. 2,548,351, Apr. 10.
Fishing rods and the like, Producing. F. Bänninger. 2,548,336, Apr. 10.
Flare. G. W. Haigh. 2,548,722, Apr. 10.
Flow-controlling device for refrigerators. A. G. Janos. 2,548,608, Apr. 10.
Fluid compositions containing glycidyl polyethers. E. C. Shokal and A. C. Mueller. 2,548,447, Apr. 10.
Fluid control system for laundering apparatus. T. B. Chace and C. A. Brown. 2,548,651, Apr. 10.
Fluid-control valve. E. Dawson. 2,547,929, Apr. 10.
Fluid flow control device. W. A. Biermann and V. R. Pawelsky. 2,547,995, Apr. 10.
Fluid pressure actuated switch. A. C. Kelle. 2,548,221, Apr. 10.
Flushing device. J. F. Duncan. 2,548,658, Apr. 10.
Flying control for aircraft. H. Knowler and A. E. Swain. 2,548,481, Apr. 10.
Form for molding cementitious material. S. P. Brown. 2,548,343, Apr. 10.
Forming highly active catalytic surfaces. J. E. Latta. 2,548,801, Apr. 10.
Forming magnetic record members from a papermaking fibers slurry. O. Kornei. 2,547,948, Apr. 10.
Forming pleats. A. McD. Hess. 2,548,475, Apr. 10.
4-hydroxy-2-alkylbenzimidazoles as azo coupling components in diazo types. F. W. Neumann. 2,548,845, Apr. 10.
Fractionation with adsorbents in a single column. J. K. Small. 2,548,502, Apr. 10.
Frequency shift signaling. H. O. Peterson. 2,548,814, Apr. 10.
Frequency stabilization of magnetrons. W. M. Preston. 2,548,816, Apr. 10.
Fuel and water system. S. S. Fox. 2,548,150, Apr. 10.
Fuel oil composition. J. B. R. Caron, E. B. Glendenning, and C. Wies. 2,548,347, Apr. 10.
Fuel pump. H. J. Welch. 2,548,640, Apr. 10.
Fuel unit, Self-kindling. W. R. Lammersen. 2,548,379, Apr. 10.
Fumaric acid, Production of. S. M. Spatz. 2,548,687, Apr. 10.
Fungicidal compositions containing hexachlorocyclopentadiene. H. L. Yowell. 2,548,509, Apr. 10.
Fungicidal compositions containing nitro-methanal phenyl hydrozones. A. R. Kittleson and M. W. Swaney. 2,548,480, Apr. 10.
Furnace and conveyer, Annealing. F. Remington and R. A. Tarraglia. 2,548,683, Apr. 10.
Furnace baffle, Sheet metal. D. Kaufman. 2,548,312, Apr. 10.
Furnace draft checking safety device, Thermostatically released. E. M. Leichtle. 2,548,267, Apr. 10.
Furnace for burning low-grade fuel, including air-cooled partition walls. R. Doležal. 2,548,656, Apr. 10.
Fuse, Cartridge. L. Detch. 2,548,290, Apr. 10.
Fuse, Low-current. S. C. Peek, Jr. 2,548,491, Apr. 10.
Fusion of vanillin. F. Fortess and B. B. White. 2,547,920, Apr. 10.
Game device, Magnetic racing. R. L. Robins. 2,548,495, Apr. 10.

Gang connection for disk harrows. W. E. Knapp. 2,548,539, Apr. 10.
Garbage disposal arrangement with improved flue assembly. C. L. Deming. 2,548,203, Apr. 10.
Garden tool. W. G. Frost. 2,548,012, Apr. 10.
Garment, Lady's foundation. S. W. Kunstadter. 2,548,730, Apr. 10.
Gas producer, Including rotatable ash breaking grate means. F. J. and E. West. 2,548,086, Apr. 10.
Gasoline, Corrosion inhibited. T. C. Roddy, Jr. 2,548,122, Apr. 10.
Gauge: *See*—
Depth and angle gauge. Noncontacting width ion gauge.
Gauge and making same, Resistance strain. D. J. De Michele. 2,548,592, Apr. 10.
Gauging apparatus, Sheet. R. E. J. Nordquist and B. A. Baumann. 2,547,964, Apr. 10.
Gear converter, Quick-change. A. J. Barraco. 2,548,337, Apr. 10.
Gear drive, Zero backlash. E. A. Hallstrand. 2,548,603, Apr. 10.
Gearing system, Magnetic. H. Hurvitz. 2,548,373, Apr. 10.
Generating and/or controlling electrical energy. E. G. Linder. 2,548,225, Apr. 10.
Generator: *See*—
Multiplex phase generator.
Sawtooth voltage generator.
Generator and power unit, Electrically heated steam. J. W. Dickey. 2,548,708, Apr. 10.
Generator testing device. S. H. Van Wambeck. 2,548,833, Apr. 10.
Glazing strip. E. O. Ogren. 2,548,556, Apr. 10.
Gluing device, Box flap. M. P. Neal. 2,547,963, Apr. 10.
Glutam acid, Manufacture of. A. J. Schlaeger and F. A. Hoglan. 2,548,124, Apr. 10.
Golf ball holder. E. R. Wiseman. 2,548,330, Apr. 10.
Governor responsive to rate of change of speed, Hydraulic. A. F. Schwendner. 2,548,072, Apr. 10.
Grinding machine, Cutter. L. D. Whittlesey and O. L. Strand. 2,548,277, Apr. 10.
Group VIII silicate catalyst on nonsiliceous support. J. P. W. Houtman, W. F. Engel, H. Hoog, and P. van't Spijker. 2,548,159, Apr. 10.
Guitar stand. A. P. Citro. 2,547,924, Apr. 10.
Gyroscope. S. Sikora. 2,548,074, Apr. 10.
Gyro stabilizer. C. L. Paulus. 2,547,968, Apr. 10.
Halo-aryl allyl carbonates and polymers thereof. J. A Brailey. 2,548,141, Apr. 10.
Hammer, Dental. M. Staunt. 2,548,450, Apr. 10.
Handhole refacing tool. J. R. Kruse. 2,548,113, Apr. 10.
Handle and armrest for weed burners. M. G. Clark. 2,548,196, Apr. 10.
Handle assembly, Vehicle door. C. M. MacKichan. 2,548,115, Apr. 10.
Handle structure for screen sashes. H. A. Kaufmann. 2,548,163, Apr. 10.
Handling unstable chemical dispersions, Method and apparatus for. H. O. Davidson. 2,548,003, Apr. 10.
Hanger: *See*—
Pressed metal clothes hanger.
Hanger for punching bags, Swivel. C. J. Wycosky. 2,548,089, Apr. 10.
Heat unit for table top stoves, Removable. A. K. Walton and T. H. Cline. 2,548,183, Apr. 10.
Heater: *See*—
Electric oil well heater.
Heater for axial flow air compressors, Induction. P. L. Gill. 2,547,934, Apr. 10.
Heating device, Electric. J. M. Cumming and W. S. Aspey. 2,548,423, Apr. 10.
Heating element, Hot-water bottle. B. Strezoff. 2,548,076, Apr. 10.
Heating for buildings, Radiant panel. E. A. Milborn. 2,548,036, Apr. 10.
Heating solid granules. R. D. Drew. 2,548,522, Apr. 10.
Hedge and weed cutter. A. Tamol. 2,548,077, Apr. 10.
Heel construction, Spring. C. W. Hensley. 2,548,308, Apr. 10.
Heel, Rubber. J. H. Buechler. 2,548,194, Apr. 10.
Hitch. J. N. Tweedy. 2,548,637, Apr. 10.
Hoist. C. F. Osgood. 2,548,270, Apr. 10.
Holder: *See*—
Abrasive sleeve holder. Live fowl holder.
Fireproof cigarette holder. Match book holder.
Fishing pole holder. Tag and card holder.
Fishing rod holder. Transparent display holder.
Golf ball holder.
Holder and tooth paste tube dispenser, Combined toothbrush. A. A. Iannone and L. La Polla. 2,548,535, Apr. 10.
Holder assembly, Brush. G. D. Stapleton. 2,548,631, Apr. 10.
Holder for cigarettes and matches. A. F. Syverud. 2,548,828, Apr. 10.
Holder for display fixtures, Card. W. A. Kincaid. 2,548,027, Apr. 10.
Holder for wrist watch, pocket watch, indicator and the like. F. J. Witbrod. 2,547,991, Apr. 10.
Hollow article, Cooled. K. M. Bartlett and M. S. Roush. 2,548,092, Apr. 10.
Hollow ware article. H. V. H. May. 2,548,035, Apr. 10.
Hood hinge and guide mechanism. L. B. Rivard and E. P. Rauh. 2,548,492, Apr. 10.
Hot metal handling apparatus. W. S. Thompson. 2,548,178, Apr. 10.
House of solidified foam. C. D. Willson. 2,548,576, Apr. 10.
Hydraulic coupling. C. W. Chillson. 2,548,195, Apr. 10.
Hydraulic pump. T. Simpson, L. S. Greenland, and T. Edwards. 2,548,501, Apr. 10.
Hydrocarbon conversion and catalyst regeneration apparatus. F. C. Fahnestock. 2,548,295, Apr. 10.
Hydrocarbon conversion, Method and apparatus for. E. V. Bergstrom. 2,548,285, Apr. 10.
Hydrocarbon-soluble phthalocyanines. D. I. Randall and T. A. Martin. 2,547,972, Apr. 10.
Hydroextractor. F. Broadbent. 2,548,515, Apr. 10.
Hygrometer. C. C. Minter. 2,548,550, Apr. 10.
Improving the foam of fermented malt beverages and product obtained thereby. J. S. Wallerstein, A. L. Schade, and H. B. Levy. 2,547,988, Apr. 10.
Improving the tone quality and resonance of string instruments. A. Dalmas. 2,547,919, Apr. 10.
Impulse relay. W. W. Brockway. 2,547,998, Apr. 10.
Increasing the particle size of synthetic rubber latices. C. E. Linscott. 2,548,802, Apr. 10.
Indicating machine, Musical chord. C. L. Broughton. 2,548,000, Apr. 10.
Indicator: *See*—
Moving route indicator.
Spark-gap liquid level indicator.
Indicator. J. H. Stroop. 2,548,750, Apr. 10.
Indicator for sand and gravel weighing hoppers, Moisture. V. L. Tyson. 2,548,410, Apr. 10.
Induction apparatus, Electric. I. H. Sclater. 2,548,624, Apr. 10.
Induction apparatus, Electrical. G. G. Somerville. 2,548,629, Apr. 10.
Industrial gas, Production of. C. S. Lynch. 2,548,486, Apr. 10.
Insertable vent pipe. A. E. Mathey. 2,548,734, Apr. 10.
Inside form for casting elongated hollow concrete structures. J. D. Jessen. 2,547,946, Apr. 10.
Insole for welt shoes, Laminated. S. L. Katz. 2,548,266, Apr. 10.
Instrument and computer, Navigation. K. A. Osterberg. 2,548,319, Apr. 10.
Instrument, Circumcision. M. Hyatt. 2,548,670, Apr. 10.
Instrument for resolving gear ratios. R. H. Stout. 2,548,273, Apr. 10.
Instrument, Percussion musical. C. W. Percy. 2,548,271, Apr. 10.
Interpolymers of an alkyl acrylate, an aromatic monoolefin, and a vinyl ester of an aromatic monocarboxylic acid. R. J. Wolf. 2,548,186, Apr. 10.
Ion gauge. S. Bashkin. 2,548,283, Apr. 10.
Ironer with pressure adjustment. J. J. Getgey. 2,548,152, Apr. 10.
Isolator for lightning arresters, Resistor type. O. H. Kaminky. 2,548,112, Apr. 10.
Jack: *See*—
Ladder jack. Mechanical jack.
Jar cap remover, Pivoted lever. J. E. Stump. 2,548,634, Apr. 10.
Jet propulsion apparatus. H. J. D. McCollum. 2,548,804, Apr. 10.
Jewelry attachment. E. A. Bohlinger. 2,548,140, Apr. 10.
Joint: *See*—
Tool joint.
Junction block. H. W. Hoard. 2,548,371, Apr. 10.
Kiln, Lumber. E. V. Smith. 2,548,403, Apr. 10.
Kitchen appliance, Electrical. S. C. Major. 2,548,034, Apr. 10.
Kneeler attachment, Folding chair. J. H. Clarin. 2,548,098, Apr. 10.
Knife, Seam ripping. M. Ingwer and W. W. Schwartz. 2,548,797, Apr. 10.
Ladder, Adjustable leg. S. Johnson. 2,548,311, Apr. 10.
Ladder, Fire escape. W. R. Moeller. 2,548,843, Apr. 10.
Ladder jack. O. J. Latham. 2,548,380, Apr. 10.
Lag-responsive protection device. J. V. V. Elsworth. 2,548,005, Apr. 10.
Landing gear door and fluid foil, Combined. W. Tydon. 2,548,832, Apr. 10.
Latch. H. O. Wilson. 2,548,413, Apr. 10.
Latching and guiding construction, Camera part. D. C. Harvey. 2,548,529, Apr. 10.
Latching device. R. K. Nottingham. 2,548,046, Apr. 10.
Latching device for crates. C. W. Harris. 2,548,367, Apr. 10.
Lawn mower. B. T. Grobowski. 2,548,721, Apr. 10.
Lead and producing same, Red. C. H. Olsen. 2,548,047, Apr. 10.
Lift pin for coupling trailer and draft vehicles. D. A. Hall. 2,548,259, Apr. 10.
Lifting apparatus, Fluid pressure actuated. A. Moliskey. 2,548,038, Apr. 10.
Light: *See*—
Rotatable warning signal light.
Lighting fixture, Fluorescent. M. Sachs. 2,548,500, Apr. 10.
Live fowl holder. L. F. Garfield. 2,548,013, Apr. 10.

Load break device. A. G. Steinmayer. 2,548,129, Apr. 10.
Load lifting and transporting apparatus. A. H. Montour. 2,548,806, Apr. 10.
Lock for bracelets or the like. J. Kurland. 2,548,315, Apr. 10.
Locking device for automobiles, Trunk lid. C. W. Rosenbarger. 2,548,242, Apr. 10.
Locking device for gate hinges of a motor-truck body. J. R. Armstrong. 2,548,189, Apr. 10.
Locking device for windows. E. Andersson and C. E. Fogde. 2,548,578, Apr. 10.
Lubricant director. E. Mendenhall. 2,548,229, Apr. 10.
Lubricating means resistant to chemical attack. J. F. Gall. 2,548,471, Apr. 10.
Lubricating system, Engine. W. A. Hunter. 2,548,160, Apr. 10.
Lustrous zinc, Production of. A. E. Chester and D. F. Seymour. 2,548,419, Apr. 10.
Machine and method for joining plain and ribbed fabrics. T. A. Oliver, Jr. 2,548,234, Apr. 10.
Machine and method for making jar covers. H. Z. Gora. 2,548,303, Apr. 10.
Machine and method for making sealing closures. H. Z. Gora. 2,548,304–5, Apr. 10.
Machine for cutting arcuate members. G. F. Gilson. 2,548,302, Apr. 10.
Machine for machining tapered studs. J. M. Appleton. 2,548,137, Apr. 10.
Machine for removing dust from fabrics. H. L. Light. 2,547,952, Apr. 10.
Machine for sharpening tools, especially those of tungsten-carbide. A. A. Mathieu. 2,548,386, Apr. 10.
Machine for testing and classifying tubes closed at one end. D. G. Ashcroft and I. F. Stewart. 2,548,645, Apr. 10.
Magnetic pickup. F. F. Willms. 2,547,990, Apr. 10.
Making cellulose ester lithographic printing plates. W. O. Kenyon and C. C. Unruh. 2,548,537, Apr. 10.
Making 5-nitro-2-furaldehyde semicarbazone. R. F. Raffauf. 2,548,173, Apr. 10.
Making high wet strength paper. F. W. Boughton. 2,548,513, Apr. 10.
Making laminated magnetic cores. G. G. Somerville. 2,548,628, Apr. 10.
Making mottled compressed cork articles. J. W. Wiley. 2,547,989, Apr. 10.
Making pressure sensitive record materials. B. K. Green and R. W. Sandberg. 2,548,365, Apr. 10.
Making relief printing plates. H. C. Staehle. 2,548,565, Apr. 10.
Mandrel, Expanding. G. F. and R. C. Bryant. 2,548,096, Apr. 10.
Maneuvering machine. T. P. Davenport. 2,548,202, Apr. 10.
Manifold record material and making it. B. K. Green and R. W. Sandberg. 2,548,366, Apr. 10.
Marker control apparatus for group selectors. D. P. Long. 2,548,673, Apr. 10.
Mask, Welding. C. P. Molyneux. 2,548,230, Apr. 10.
Massage table. K. Tammen. 2,548,408, Apr. 10.
Match book holder. A. W. Blessing. 2,548,288, Apr. 10.
Measuring means, Shaft. G. E. Frisz. 2,548,010, Apr. 10.
Measuring system, Electronic strain. G. W. Cook. 2,547,926, Apr. 10.
Measuring system, Optical area. C. A. Vossberg and F. A. Fun. 2,548,755, Apr. 10.
Mechanically actuated pipe thread protector. W. C. Baker. 2,547,992, Apr. 10.
Mechanical jack. W. E. Wiesenthal. 2,548,695, Apr. 10.
Melter. S. P. Tauber. 2,548,177, Apr. 10.
Merocyanine dyes containing a benzimidazole nucleus. E. J. Van Lare and L. G. S. Brooker. 2,548,571, Apr. 10.
Metal-edge filter stack washer. P. Heftler. 2,547,941, Apr. 10.
Meter and meter socket. M. J. Lewis. 2,548,540, Apr. 10.
Metering construction, Strip. G. B. Pollock. 2,548,172, Apr. 10.
Metering device. H. G. Roecker. 2,548,123, Apr. 10.
Microscope, Electronic. F. Bertein. 2,547,994, Apr. 10.
Mixer-reactor, Fluid. J. G. Allen. 2,548,759, Apr. 10.
Modulator, Sensitivity. H. H. Staub. 2,548,449, Apr. 10.
Mold for concrete steps, Adjustable stringer. R. L. Cline. 2,548,703, Apr. 10.
Molding articles, Method and apparatus for. H. Z. Gora. 2,548,306, Apr. 10.
Molding composition, Form-stable. G. O. Morrison and G. F. Metz. 2,547,962, Apr. 10.
Molding from fiber dispersions. H. E. Bowers. 2,547,997, Apr. 10.
Monitor for amplitude modulated signals. H. R. Summerhayes, Jr. 2,548,635, Apr. 10.
Motion converter. H. F. Vachè. 2,548,411, Apr. 10.
Motor: *See*—
Reversible step motor.
Motor control apparatus with separate null indicating device, Electronic. A. E. Gealt. 2,548,014, Apr. 10.
Motor of the rotary abutment type, Fluid. F. Berry. 2,548,339, Apr. 10.
Mount with snap rings, Telescope. M. Leupold. 2,548,031, Apr. 10.
Mounting: *See*—
Relay mounting. Slide mounting.
Shock absorber mounting.
Movable electrode tube. W. C. Marshall. 2,548,385, Apr. 10.
Moving route indicator. H. C. Mella. 2,548,488, Apr. 10.
Multipass boiler. J. H. Blake, Jr. 2,548,287, Apr. 10.
Multiplex phase generator. F. A. Morris. 2,548,737, Apr. 10.
N-dialkyl hydracrylamides, Preparation of. T. L. Gresham and F. W. Shaver. 2,548,156, Apr. 10.
N¹-aryl N³-dialkyl biguanides. F. H. S. Curd and F. L. Rose. 2,548,654, Apr. 10.
Nickel carbonyl, Preparation of. J. F. Kincaid and J. S. Strong. 2,548,727–8, Apr. 10.
Nitrocellulose-containing composition and preparing same. J. Taylor. 2,548,688, Apr. 10.
Noncontacting width gauge. E. D. Cook. 2,548,590, Apr. 10.
Nozzle. D. W. Justis. 2,548,725, Apr. 10.
Nozzle, Penetrating fire extinguishing. A. Rutledge. 2,548,621, Apr. 10.
Oil distillation, Rich. E. G. Ragatz. 2,548,058, Apr. 10.
Olefin recovery in a petroleum refinery, Increased. D. M. Little. 2,548,032, Apr. 10.
Opener, Bobby pin. J. A. Sewol. 2,548,561, Apr. 10.
Opener, Drain. J. B. Hord. 2,548,023, Apr. 10.
Opener, Finger-supported bottle. L. N. Clark. 2,548,517, Apr. 10.
Optical system for objectives and eyepieces. J. R. Miles. 2,547,958, Apr. 10.
Oscillator-amplifier, Radio-phonograph. A. E. Hayes, Jr. 2,548,531, Apr. 10.
Oscillator, Magnetron. M. J. O. Strutt, K. S. Knol, and A. van der Ziel. 2,548,567, Apr. 10.
Oscilloscope, Voltage and phase measuring cathode-ray. A. L. Weisbecker. 2,548,276, Apr. 10.
Oven, Self-basting. T. R. Smith. 2,548,325, Apr. 10.
Overload automatic reversible control. C. Drexler. 2,548,709, Apr. 10.
Oxidation of aromatic hydrocarbons. E. J. Lorand and J. E. Reese. 2,548,435, Apr. 10.
Pad: *See*—
Absorbent pad. Sectional pad.
Paint remover. N. L. Baum and J. Wynkoop. 2,548,766, Apr. 10.
Paint striping apparatus. A. L. Wells. 2,548,456, Apr. 10.
Painter, Ceiling. C. E. Cromwell. 2,548,653, Apr. 10.
Pants for infants, Plastic. H. Feldman. 2,548,660, Apr. 10.
Para-hippurylamido salicylic acids and derivatives and manufacture. A. A. Goldberg and N. L. Thomas. 2,548,257, Apr. 10.
Parallax adjustment for dual cameras, Automatic. H. Gittins. 2,548,213, Apr. 10.
Pasteurizing device. T. Helme. 2,548,788, Apr. 10.
Peanut cleaner. D. M. Carter. 2,548,142, Apr. 10.
Pelleted calcium oxide desiccant, Producing. W. W. Gary and R. A. Lovett. 2,548,780, Apr. 10.
Pencil with lead sharpening device, Mechanical. W. E. Brady. 2,548,649, Apr. 10.
Percolator, Electric. P. D. Blewett. 2,548,647, Apr. 10.
Phonograph pickup, Dual stylus. J. A. Tourtellot. 2,548,082, Apr. 10.
Photocopy machine. E. R. Sabel and F. I. Galbrecht. 2,547,979, Apr. 10.
Photographic drier. O. W. Sauter. 2,548,824, Apr. 10.
Photographic emulsions, Mixed grain. L. Godowsky, Jr. 2,548,526, Apr. 10.
Photographic silver halide element with mordanted dye layer. R. H. Sprague and L. G. S. Brooker. 2,548,564, Apr. 10.
Photopolymerization process and compositions. C. C. Sachs and J. Bond. 2,548,685, Apr. 10.
Picker stick hold-down device. H. Hoeber. 2,548,432, Apr. 10.
Pickling machine, Portable. R. C. Hopkins. 2,548,793, Apr. 10.
Pipe: *See*—
Insertable vent pipe. Tobacco pipe.
Pipe coupling. E. B. Thompson. 2,548,078, Apr. 10.
Pipe upsetting and hot broaching tool. G. R. Chamberlain. 2,548,702, Apr. 10.
Piston ring seal. G. W. Meadows. 2,547,957, Apr. 10.
Pitch propeller, Amplitorque controllable. H. J. Nichols. 2,548,045, Apr. 10.
Plant control for hydroelectric generators. B. P. Baker. 2,548,462, Apr. 10.
Planting sight. B. C. Maier. 2,548,226, Apr. 10.
Plastic article and insert, Combined. T. Friedman. 2,548,151, Apr. 10.
Plastisols containing nitrogenous viscosity controlling agents. D. N. Klein and M. N. Curgan. 2,548,433, Apr. 10.
Pliers. R. C. Cronk. 2,548,422, Apr. 10.
Plow, Ditching. L. C. Hester. 2,548,261, Apr. 10.
Plow edge, Renewable. H. J. Woock. 2,548,458, Apr. 10.
Plug: *See*—
Spark plug.
Pneumatic rapid traverse for winding textile yarns on cones and tubes. R. F. Dyer and W. G. Faw. 2,548,523, Apr. 10.

Pneumatically operated hydraulic press. W. S. Hansen. 2,548,784, Apr. 10.
Pollenizing device. I. A. Marchant and E. P. Johnson. 2,548,487, Apr. 10.
Polymerizing acrylonitrile in the presence of alkali metal soap of mahogany acids. C. H. Basdekis. 2,548,282, Apr. 10.
Polystyrene dispersions, Preparing. F. H. Norris. 2,548,318, Apr. 10.
Power take-off. R. W. Wagner. 2,548,182, Apr. 10.
Power transmission system, Hydraulic. H. I. F. Evernden. 2,548,208, Apr. 10.
Preparing low specific gravity light colored tannin. G. Carraro. 2,548,588, Apr. 10.
Preserving prunes in containers. W. I. Battaglia. 2,548,284, Apr. 10.
Press: *See*—
Pneumatically operated hydraulic press.
Pressed metal clothes hanger. L. F. Oziek. 2,548,810, Apr. 10.
Presser foot, Sewing-machine. V. M. Ginwright. 2,548,361, Apr. 10.
Pressure fluid operated apparatus for throwing heavy objects. F. W. Moffett, Jr. 2,548,439, Apr. 10.
Pressure relief device. O. Fitz Simons. 2,548,298, Apr. 10.
Pressure sensitive record materials. B. K. Green and R. W. Sandberg. 2,548,364, Apr. 10.
Preventing corrosion in pipe-line transportation of refined petroleum oils. L. V. Sorg, R. E. Dickey, and W. A. Weaverling. 2,548,630, Apr. 10.
Preventing gelation during heating of resinous isoolefin polymers. W. J. Sparks, D. W. Young, and J. D. Garber. 2,548,503, Apr. 10.
Printing machine, Stencil. G. H. Pembroke. 2,548,119, Apr. 10.
Processing of aqueous comestible solutions. J. A. Cross. 2,548,776, Apr. 10.
Producing electroforms. W. H. Banks, P. B. Upton, and J. R. Scott. 2,548,765, Apr. 10.
Producing liquid air rich in oxygen. P. L. Kapitza. 2,548,377, Apr. 10.
Producing lustrous zinc. A. E. Chester and B. Leonelli. 2,548,420, Apr. 10.
Producing secondary-electron-emitting surfaces. J. Bramley. 2,548,514, Apr. 10.
Production indicating means. J. R. Dunn. 2,548,657, Apr. 10.
Profiling apparatus. G. P. Hafer and L. Stastney. 2,548,669, Apr. 10.
Propulsion control for outboard motor boats. P. R. Reid. 2,548,121, Apr. 10.
Protective arrangement for the neutralization circuits of vacuum tubes. J. B. Caraway. 2,548,770, Apr. 10.
Protector: *See*—
Mechanically actuated pipe thread protector.
Pulley. G. A. May. 2,548,387, Apr. 10.
Pulley device. D. A. Schrock. 2,548,399, Apr. 10.
Pulsator, Pneumatic type. M. Morgan and N. T. Wertheesen. 2,548,807, Apr. 10.
Pulse generator system, Double polarity. W. D. Houghton. 2,548,796, Apr. 10.
Pulse multiplex system. W. D. Houghton. 2,548,795, Apr. 10.
Pump: *See*—
Fuel pump. Hydraulic pump.
Pump. R. W. Johnson and L. V. McCarty. 2,548,799, Apr. 10.
Pump dispenser. T. L. Titus. 2,548,752, Apr. 10.
Pump for internal-combustion engines, Fuel injection. K. Brook and F. M. Evans. 2,548,342, Apr. 10.
Pump structure for outboard motors. D. A. Armstrong. 2,548,762, Apr. 10.
Pump unit. J. J. and H. A. Orlich. 2,548,738, Apr. 10.
Punch press control and feed mechanism. A. Slathar. 2,548,562, Apr. 10.
Pyranthrone composition comprising an inorganic halogenate and process for dyeing. J. M. Mecco. 2,548,546, Apr. 10.
Pyranthrone dye composition comprising an inorganic nitrite and dyeing. J. M. Mecco. 2,548,545, Apr. 10.
Quantity selecting machine for segregating dry granular material. A. G. and A. E. Stevens. 2,548,245, Apr. 10.
Quaternary amines from tertiary amines and beta-lactones, Preparation of. F. T. Fiedorek. 2,548,428, Apr. 10.
Quick emptying, movably mounted, spring-loaded supply container. W. H. Richards. 2,547,974, Apr. 10.
Rack: *See*—
Valve rack.
Radar system, Moving target indication. A. G. Emslie. 2,548,779, Apr. 10.
Radiator adapted to be fed by a coaxial line, Horn. H. J. Riblet and J. Steinberger. 2,548,821, Apr. 10.
Radio phonograph attachment. J. H. Hopffgarten. 2,548,372, Apr. 10.
Radio receiver. F. S. Mabry and W. R. Wilson. 2,548,383, Apr. 10.
Radio receiving apparatus. W. J. O'Brien. 2,548,233, Apr. 10.
Radio reception, Directional. J. G. Kreer, Jr. 2,548,671, Apr. 10.
Radio transmitting-receiving apparatus. G. D. Perkins and C. E. Stone, Jr. 2,548,813, Apr. 10.
Reaction of alkylphenol, tertiary amine and epihalohydrin. J. F. Olin. 2,547,965, Apr. 10.
Readily removable way wiping means. H. H. Stechmann. 2,548,848, Apr. 10.
Reamer, Oil well. J. C. Jones. 2,548,724, Apr. 10.
Rearrangement of oil and gas deposits in sealed domes and like natural formations. R. H. Ramsey. 2,548,039 Apr. 10.
Receiver employing triode converters, Superheterodyne. J. L. Taylor, Jr. 2,548,132, Apr. 10.
Receiver with electromagnetic vibrator, Bone conducting. S. N. Reger. 2,548,062, Apr. 10.
Receptacle with desiccant, Food. R. W. Luce. 2,548,168, Apr. 10.
Reciprocating mechanism for intaglio printing machines, Doctor blade. W. F. Huck and F. Heller. 2,548,217, Apr. 10.
Recovering lithium values from dilithium sodium phosphate. L. J. Minnick and C. R. Brown. 2,548,037, Apr. 10.
Rectifier. I. Levin. 2,547,951, Apr. 10.
Reel: *See*—
Fishing reel.
Reel and loader therefor, Film developer. E. Shimizu. 2,548,323, Apr. 10.
Reel for harvesters, Pickup. K. J. Van Sickle. 2,548,329, Apr. 10.
Reel having a combined friction drag and brake, Single action fishing. F. Rastler. 2,548,174, Apr. 10.
Reflector coffee table. R. Bruner. 2,548,586, Apr. 10.
Refrigerant flow controlling device. W. R. Whitney. 2,548,643, Apr. 10.
Refrigerating machine of the combined compression-absorption type. R. and H. Bernat. 2,548,699, Apr. 10.
Refrigerator and evaporator therefor. W. L. Morrison. 2,548,441, Apr. 10.
Register control means for continuous and intermittent web feed mechanism. F. Auer. 2,548,136, Apr. 10.
Regulator: *See*—
Corona triode voltage regulator.
Relay mounting. W. W. Brockway. 2,547,999, Apr. 10.
Relief valve. T. J. Janson. 2,548,374, Apr. 10.
Removal of acetylene from hydrocarbon mixtures. G. C. Ray. 2,548,619, Apr. 10.
Removal of broken spark plugs. H. L. Van Dermark. 2,547,986, Apr. 10.
Resistor, Wire wound. G. C. Crowley. 2,548,591, Apr. 10.
Reversible step motor. H. C. Lehde. 2,548,731, Apr. 10.
Rheostat, Electrolytic. V. H. Smith. 2,548,745, Apr. 10.
Rim. C. W. Sinclair. 2,548,627, Apr. 10.
Rocket, Line-carrying. C. D., A. J., and C. Schermuly. 2,548,398, Apr. 10.
Rocket propulsion means for aircraft, Ducted. H. B. Grow. 2,547,936, Apr. 10.
Rod assembly, Connecting. L. H. Femons. 2,548,296, Apr. 10.
Roll for grading machines, Independent detector. H. W. Carnes. 2,548,346, Apr. 10.
Roof structure. C. K. Agle. 2,548,758, Apr. 10.
Roofing, Plastic coated. G. T. Kurtz and F. O. Groch, Jr. 2,548,029, Apr. 10.
Room arrangement for sleeping cars. J. C. Lyon. 2,548,294, Apr. 10.
Rotary drum depository. H. C. Behrens. 2,548,338, Apr. 10.
Rotary hook mechanism for sewing machines. C. H. Petskeyes. 2,548,815, Apr. 10.
Rotatable warning signal light. E. W. Gosswiller. 2,548,154, Apr. 10.
Roundabout, Occupant propelled. D. C. McCray. 2,548,228, Apr. 10.
Rowing and steering device for boats. P. C. Tabbert. 2,548,407, Apr. 10.
S-(4-thiazolylmethyl)-isothioureas. J. M. Sprague and A. H. Land. 2,548,746, Apr. 10.
Saddle, Cycle. H. E. Kalter. 2,548,726, Apr. 10.
Safety device. H. N. Simms. 2,548,744, Apr. 10.
Sampling apparatus, Liquid. H. L. Blum. 2,548,193, Apr. 10.
Saturated aldehydes from unsaturated alcohols by means of metal carbonyls, Preparation of. R. T. Olsen. 2,548,171, Apr. 10.
Saw, Adjustable traveling power-operated table. L. R. Young. 2,548,279, Apr. 10.
Saw, Portable motor operated hand scroll. J. L. Bechtold. 2,547,922, Apr. 10.
Sawtooth voltage generator. E. C. Vestal, Jr. 2,547,987, Apr. 10.
Sawing apparatus, Curve cutting. H. M. Benge. 2,548,698, Apr. 10.
Scaffold, Winch operated vertically adjustable. J. Jindrich. 2,548,265, Apr. 10.
Scanning device, Color facsimile. A. N. Goldsmith. 2,548,783, Apr. 10.
Scanning in a television system, Interlaced. R. Jenkins. 2,548,219, Apr. 10.
Scissors, Circular. P. Radman. 2,548,392, Apr. 10.

Scoop-shovel vehicle. E. B. Wagner. 2,548,084, Apr. 10.
Seal assembly for flow control devices. J. R. Snyder. 2,548,128, Apr. 10.
Sealing mechanism, Weather. S. M. Funk. 2,548,716, Apr. 10.
Sealing unit for well casing heads. D. C. Walker. 2,548,412, Apr. 10.
Seat: *See*—
Auxiliary toilet seat.
Sectional pad. R. L. Melrose. 2,548,547, Apr. 10.
Securing the effects of end dipping in gas-tight flexible wall packages. S. Bergstein. 2,548,251, Apr. 10.
Self-adjusting chair. A. Rivera. 2,548,066, Apr. 10.
Separable fastener. G. Duefrene. 2,548,004, Apr. 10.
Separator: *See*—
Centrifugal egg separator. Water separator.
Electrostatic separator.
Separator for solvent extraction systems, Fines. R. T. Anderson. 2,548,333, Apr. 10.
Servomotor and valve device. E. A. Rockwell. 2,548,496, Apr. 10.
Set mechanism for the head block knees of a sawmill carriage, Hydraulically operated. H. G. Roberts. 2,548,067, Apr. 10.
Sewing machine attachment. S. Cohen. 2,548,144, Apr. 10.
Sewing machine, Label. J. Vollman and H. Gunther. 2,548,692, Apr. 10.
Shaft rotation indicating circuit. W. A. Higinbotham and F. F. Slack. 2,548,790, Apr. 10.
Shaft testing machine. T. Hearn. 2,547,940, Apr. 10.
Shears. O. H. Pearson. 2,548,320, Apr. 10.
Shock absorber mounting. R. Lewton. 2,548,167, Apr. 10.
Shrinkproofing wool. M. R. Coe, Jr. 2,548,774, Apr. 10.
Shuttle tip connection means. J. R. Phaneuf and D. A. Tebo. 2,548,052, Apr. 10.
Signal tab-removing device. H. A. Levee. 2,548,484, Apr. 10.
Signaling apparatus for radio telephone systems. R. P. Dimmer. 2,548,777, Apr. 10.
Signaling system, Electric. B. M. Hadfield. 2,548,668, Apr. 10.
Sinker, Fishing. J. Dolejs. 2,548,291, Apr. 10.
Skate, Convertible. J. K. Petrime. 2,548,391, Apr. 10.
Ski tow device. W. D. Judson. 2,548,800, Apr. 10.
Sled. F. J. Dedrick. 2,547,930, Apr. 10.
Slide mounting. F. Firmin. 2,548,712, Apr. 10.
Slip counter. W. H. Hall. 2,548,307, Apr. 10.
Snap fastener. D. C. Gillespie. 2,548,838, Apr. 10.
Soldering flux. C. A. Wieno. 2,548,690, Apr. 10.
Sonic teacher. L. T. Frost. 2,548,011, Apr. 10.
Sound reproducing system. W. J. Frantz. 2,548,211, Apr. 10.
Spark-gap liquid level indicator. O. E. Barstow and C. A. Pippin. 2,548,696, Apr. 10.
Spark plug. R. H. Moth. 2,548,170, Apr. 10.
Spectrograph of the Rowland type, Concave grating. A. C. G. Menzies and J. H. Dowell. 2,548,548, Apr. 10.
Speed control device for centrifuges. C. Frankenstein. 2,548,299, Apr. 10.
Spindle, Reel. M. R. Hutchison, Jr. 2,548,534, Apr. 10.
Spinning machine. O. Lambert. 2,548,610, Apr. 10.
Splint, Finger. E. H. Kleinfeld. 2,548,378, Apr. 10.
Splint, Laminated. C. Eames. 2,548,470, Apr. 10.
Spraying attachment, Vertically adjustable crop. F. Kouril. 2,548,482, Apr. 10.
Spraying device, Weed. L. S. Foster. 2,548,209, Apr. 10.
Spraying machine. G. W. Daugherty. 2,547,927, Apr. 10.
Spring: *See*—
Window holding spring.
Spring and axle assembly for vehicles. A. Benz. 2,547,993, Apr. 10.
Springmaking. A. Meletti. 2,548,735, Apr. 10.
Spring suspension, Rear torsion. J. J. Wharam and J. J. Felts. 2,548,507, Apr. 10.
Sprinkler, Traveling lawn. C. W. Sparks, H. O. Klee, and C. M. Sparks. 2,548,326, Apr. 10.
Stabilization of polyvinylidene cyanide solutions. F. F. Miller. 2,548,169, Apr. 10.
Stamped metal vehicle wheel. H. J. Horn. 2,548,107, Apr. 10.
Stand: *See*—
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Starch, Gelatinized. T. F. H. Hofman and F. L. P. Krizkovsky. 2,548,263, Apr. 10.
Starter type clutch. W. C. Starkey. 2,548,747, Apr. 10.
Steering column. L. Stein. 2,548,244, Apr. 10.
Sterilizer. A. Vischer, Jr. 2,548,691, Apr. 10.
Stoker, Locomotive. E. B. Marsden. 2,548,227, Apr. 10.
Stoker, Locomotive. E. A. Turner. 2,548,134, Apr. 10.
Stove heated by gas or electricity. R. A. F. Jackson. 2,548,218, Apr. 10.
Stove with vertically adjustable liquid fuel burner and float control unit. C. P. Thomas and H. A. Andrews. 2,548,830, Apr. 10.
Strap lug, Picker stick. L. E. Hamilton, Sr. 2,548,260, Apr. 10.
Stretcher, Curtain. K. J. Unwin. 2,547,895, Apr. 10.
Stripper machine, Box or carton. E. L. Hedstrom, M. C. Otto, and C. E. Gooderham. 2,548,370, Apr. 10.
Stripping agent for polysulfide elastomer coatings. M. F. George, Jr., and E. V. Kleber. 2,548,718, Apr. 10.
Stud for mounting wheels or the like. C. L. Eksergian. 2,548,840, Apr. 10.
Sulfonamide substituted p-phenylenediamines containing o-alkoxy groups as silver halide photographic developers. A. Weissberger, D. B. Glass, and P. W. Vittum. 2,548,574, Apr. 10.
Sulfonic acid surface active agent and preparation. G. W. Hedrick. 2,548,017–21, Apr. 10.
Support for key hangers. J. P. Reis. 2,548,820, Apr. 10.
Support for shelf or basket rail within a refrigerator. H. W. Eagles and C. B. Martin. 2,548,593, Apr. 10.
Support for use with ironing boards, Auxiliary. W. H. Till. 2,548,751, Apr. 10.
Supporter, Shoulder hose. M. M. Scheinberg. 2,548,742, Apr. 10.
Surfacing machine. D. P. Bernheim and W. A. Gunning. 2,548,418, Apr. 10.
Suspending and actuating mechanism, Griddle. G. A. Sivley. 2,547,982, Apr. 10.
Suspensible child's chair. A. G. Goldberg. 2,548,016, Apr. 10.
Swing. P. A. Joncas. 2,548,375, Apr. 10.
Swing, Lawn. W. H. Nicholson. 2,548,443, Apr. 10.
Switch: *See*—
Automatic resetting timing switch. Fluid pressure actuated switch.
Circuit isolating air break switch. Thermal switch.
Electric switch. Transmission control switch.
Switch box. A. J. Lippold. 2,548,732, Apr. 10.
Switching device, Magnetic. J. E. Bigelow. 2,548,581, Apr. 10.
Switching device, Selectivity. W. L. Smith. 2,547,984, Apr. 10.
Synthetic rubber-carbon black mixtures, Preparation of. J. W. Adams. 2,548,757, Apr. 10.
System for conveying traffic data to aircraft. F. A. Jenks. 2,547,945, Apr. 10.
System for receiving and decoding teletype messages. N. D. Preston and F. B. Hitchcock. 2,548,446, Apr. 10.
System of backup protection and carrier-current blocking for an electrical power system. A. J. McConnell. 2,548,612, Apr. 10.
T-square, Graduated. C. L. Combs. 2,548,350, Apr. 10.
Table: *See*—
Massage table. Reflector coffee table.
Table and seat structure, Folding. D. C. Price. 2,548,682, Apr. 10.
Table with pin and groove slides, Extension. A. De Gaal. 2,548,469, Apr. 10.
Tacker. K. F. Morberg. 2,548,736, Apr. 10.
Tag and card holder. R. E. Frison. 2,548,104, Apr. 10.
Take-up for sewing machines, Rotary. D. A. Graesser. 2,548,841, Apr. 10.
Tank construction for measuring and dispensing. F. Hague. 2,548,431, Apr. 10.
Telegraph key. H. J. H. Wassell. 2,548,835, Apr. 10.
Telegraph system. E. Gretener. 2,548,720, Apr. 10.
Telemetric system. R. S. Butts. 2,548,345, Apr. 10.
Telephone set hook-switch apparatus. J. F. Houdek, Jr. 2,548,723, Apr. 10.
Telephone system, Multiexchange automatic. P. Bakker. 2,548,191, Apr. 10.
Telephoto objective having a high-index positive front lens element, Reversed. K. Tolle. 2,548,569, Apr. 10.
Television receiver background control circuit. A. V. Loughren. 2,548,436, Apr. 10.
Television system, Color. G. C. Sziklai and M. Rosenberg. 2,548,829, Apr. 10.
Temperature control system, Automatic. A. S. Fitz Gerald. 2,547,933, Apr. 10.
Temperature control system with signal. C. H. Dicke. 2,548,424, Apr. 10.
Template. G. O. Conner. 2,548,197, Apr. 10.
Temple for eyeglass frames, Interchangeable. W. A. Brown. 2,547,923, Apr. 10.
Testing and trouble eliminating appliance for ignition systems. G. Powasnik. 2,548,056, Apr. 10.
Textile fibers composed of casein, Manufacture of. A. Ferretti. 2,548,357, Apr. 10.
Thermal fixation of atmospheric nitrogen. F. Daniels. 2,548,002, Apr. 10.
Thermal shock drilling bit. R. H. Blood. 2,548,463, Apr. 10.
Thermal switch. M. K. Parkhurst. 2,548,050, Apr. 10.
Thermal system. A. S. Wolfner. 2,548,508, Apr. 10.
Thermionic overvoltage protection circuit. W. R. Rambo. 2,548,818, Apr. 10.
Thread rolling machine for pipes. L. F. Parker. 2,548,444, Apr. 10.
Tilt stand. W. H. Drake. 2,548,204, Apr. 10.
Time control device, Preselection. C. G. Montgomery. 2,547,960, Apr. 10.
Tire mounting and demounting machine of the type having relative travel between a tire and a tire tool. H. M. Rockwell. 2,547,976, Apr. 10.
Tire removing device, Axially shifting type jack operated. G. B. Madden. 2,548,033, Apr. 10.
Toaster, Electric. R. J. Anderson. 2,548,511, Apr. 10.
Toaster, Electric bread. H. L. Olson and R. A. Miller. 2,548,680, Apr. 10.
Tobacco pipe. R. O. Ferguson. 2,548,297, Apr. 10.

Tool: *See*—
Garden tool. Pipe upsetting and hot
Handhole refacing tool. broaching tool.
Tool for hanging wallpaper. L. C. Riebe. 2,548,393, Apr. 10.
Tool for rail bond conductors, Bending. J. R. Wilson. 2,548,414, Apr. 10.
Tool for tire inner tubes and the like rubber goods, Clamping and stretching. R. Vachon. 2,548,506, Apr. 10.
Tool joint. W. W. Gill. 2,548,600, Apr. 10.
Toothbrush, Single-use. E. P. Cressler. 2,548,255, Apr. 10.
Top for transportation devices and the like, Collapsible. H. F. George. 2,548,105, Apr. 10.
Torque converter. W. T. Dunn. 2,548,207, Apr. 10.
Toy, Flying. R. J. Stephan. 2,548,748, Apr. 10.
Toy in the nature of an animated, climbing figure, Manually manipulable. J. J. Huntsberry. 2,547,943, Apr. 10.
Track shoe. C. W. Sinclair. 2,548,626, Apr. 10.
Traffic counter. G. R. Hall. 2,547,937, Apr. 10.
Transformer. O. J. Underwood. 2,548,179, Apr. 10.
Transmission. A. C. Ripke. 2,548,394, Apr. 10.
Transmission. F. W. Seybold. 2,548,272, Apr. 10.
Transmission. M. P. Winther. 2,548,756, Apr. 10.
Transmission and control mechanism, Machine-tool. J. B. Armitage, J. B. Lukey, K. A. Riedel, and F. D. Boehmer. 2,548,188, Apr. 10.
Transmission control apparatus. T. M. Ball. 2,548,138, Apr. 10.
Transmission control switch. J. H. Eisenmann. 2,548,145, Apr. 10.
Transmission, including one pump and a plurality of motors, Hydraulic. W. Ferris. 2,548,146, Apr. 10.
Transmission interlock mechanism. K. M. Armantrout. 2,548,761, Apr. 10.
Transmission system, V-belt power. W. S. Worley. 2,548,135, Apr. 10.
Transmission with variable displacement pump, throttled outflow from motor, and leakage compensation, Hydraulic. W. Ferris. 2,548,147, Apr. 10.
Transparent display holder. W. D. Corning. 2,548,706, Apr. 10.
Transportation mechanism. P. Grabinski. 2,547,935, Apr. 10.
Trap for washbasins, Hair. J. L. MacDonald. 2,548,541, Apr. 10.
Treating fatty acid nitriles to improve the odor thereof. J. Harwood and P. Du Brow. 2,548,369, Apr. 10.
Treatment of fermentation products. J. B. Edmonds. 2,548,594, Apr. 10.
Treatment of fruit wastes. W. M. Neal. 2,548,510, Apr. 10.
Tripod. A. G. Epprecht. 2,548,659, Apr. 10.
Truck, Industrial. C. S. Schroeder. 2,548,322, Apr. 10.
Truck, Rail car. C. L. Eksergian. 2,548,596, Apr. 10.
Truck, Snubbed bolster. L. A. Lehrman. 2,548,223, Apr. 10.
Truss, Abdominal. L. Puski. 2,548,557, Apr. 10.
Tub, Double compartment bath. S. J. Gibson. 2,548,301, Apr. 10.
Tube: *See*—
Electron tube. Movable electrode tube.
Tube equipment, Cathode-ray. A. H. B. Walker and L. H. Peter. 2,548,572, Apr. 10.
Tumbling process for bearing assemblies. J. A. Howe. 2,548,264, Apr. 10.
Tuning device. P. H. Reedy. 2,548,619, Apr. 10.
Turbine, Elastic fluid. S. C. Fisher and R. S. Lynch. 2,548,714, Apr. 10.
2-carboalkoxy-1,3-butadiene dimers by the pyrolysis of novel 2,2,3-substituted butanes, Preparation of novel. J. C. Westfahl and D. S. Sears. 2,548,184, Apr. 10.
2,3-dihydro-2-methyl-benzofurans, Substituted. G. H. Coleman and R. H. Rigterink. 2,548,704, Apr. 10.
2,2,3-substituted butanes. J. C. Westfahl and D. S. Sears. 2,548,185, Apr. 10.
Urinal specimen bag. P. L. Fowler, Jr. 2,548,149, Apr. 10.
Utensil for coring frankfurters, Kitchen. H. Koch. 2,548,165, Apr. 10.
Valve. M. Caserta. 2,548,097, Apr. 10.
Valve for air tanks, Automatic drain. J. M. Parks. 2,548,236, Apr. 10.
Valve for automatic washing machines. F. J. Cantalupe, E. P. De Craene, E. G. Schmidt, R. P. Setka, and C. W. Yant. 2,548,516, Apr. 10.
Valve for resonance combustion apparatus, Sleeve. R. H. Goddard. 2,548,430, Apr. 10.
Valve for volatile liquids, Combined filling and dispensing. L. B. Courtot. 2,548,352, Apr. 10.
Valve of natural gas, Controlling heating. W. L. Phillips and C. P. Stanley. 2,547,970, Apr. 10.
Valve rack. T. P. Carraher. 2,548,289, Apr. 10.
Valve unit for hydraulically operated transmissions. T. C. Schellinger. 2,548,175, Apr. 10.
Valved hose coupling. F. E. Hansen. 2,548,528, Apr. 10.
Vaporizer system for combustion chambers. F. D. M. Williams. 2,548,087, Apr. 10.
Vaporizer system, Mobile. A. W. Peck. 2,548,051, Apr. 10.
Vaporizing type oil burner. J. W. Miller. 2,548,117, Apr. 10.
Vehicle: *See*—
Child's vehicle. Scoop-shovel vehicle.
Ventilated band clamp. H. D. Houghton and T. A. Woolsey. 2,548,216, Apr. 10.
Ventilating hive cover. G. F. Watkins. 2,548,275, Apr. 10.
Ventilator. L. J. Jenn. 2,548,607, Apr. 10.
Ventilator, Window. W. A. Spear. 2,548,327, Apr. 10.
Viewing apparatus, Projection. W. S. Nivison and E. O. Wangerin. 2,548,554, Apr. 10.
Visor, Adjustable sectional sun. H. B. Hutten. 2,548,309, Apr. 10.
Visor for motor vehicles, Sun. R. S. Rountree and M. D. Moeller. 2,548,068, Apr. 10.
Voltmeter, Transient peak. C. M. Ryerson, M. H. Aronson, and L. W. Erath. 2,547,978, Apr. 10.
Waist and waistband construction of trousers and the like. H. B. Smith. 2,548,402, Apr. 10.
Washer: *See*—
Metal-edge filter stack
washer.
Washing and stripping machine, Cabbage. R. C. Irons. 2,548,798, Apr. 10.
Washing apparatus for automobiles and the like. K. Yamashiro. 2,548,331, Apr. 10.
Washroom arrangement for railroad cars. M. Watter. 2,548,851, Apr. 10.
Water separator. R. W. Swank. 2,548,568, Apr. 10.
Wave guide clip. C. Sobel and R. G. De Glovine. 2,548,404, Apr. 10.
Wave-guide structure, Multiresonant. W. D. Lewis. 2,548,672, Apr. 10.
Wearing edge for skis. N. Bonna. 2,548,094, Apr. 10.
Weft needle mechanism for Axminster looms. N. Fletcher and W. Y. Robb. 2,548,662–3, Apr. 10.
Weighing machine, Automatic. A. H. Gregory. 2,548,473, Apr. 10.
Welding wheel. W. G. Fitzsimmons. 2,548,007, Apr. 10.
Well apparatus, Nontilt deep. C. A. Henyan. 2,548,158, Apr. 10.
Well drilling. G. D. Priestman. 2,548,616, Apr. 10.
Wheel: *See*—
Buffing wheel. Welding wheel.
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Wheel balancer pickup unit. H. M. Norman. 2,548,809, Apr. 10.
Wheel cover. G. A. Lyon. 2,547,953, Apr. 10.
Wheel drive, Front. J. R. Enos. 2,548,356, Apr. 10.
Wide frame mine car. H. W. Sanford. 2,548,395, Apr. 10.
Window and screen, Combination draft. A. H. Morse. 2,548,040, Apr. 10.
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Window appliance. A. H. Morse. 2,548,041, Apr. 10.
Window blind. C. V. Bergstrom. 2,548,512, Apr. 10.
Window holding spring. A. Santrey. 2,548,396, Apr. 10.
Window opening, Screened vehicle. C. Schembra. 2,548,560, Apr. 10.
Window, Push-out. E. W. Allen. 2,548,250, Apr. 10.
Window shade bracket. A. L. Thexton. 2,548,850, Apr. 10.
Work supporting and clamping stand. A. MacLeod 2,548,114, Apr. 10.
Wringer. A. L. Briggs and G. A. Oberg. 2,548,768, Apr. 10.
Wrinkle finishes. E. W. Moffett. 2,548,388, Apr. 10.
X-ray apparatus. M. Morrison. 2,548,489, Apr. 10.
X-ray unit, Portable. C. E. Boucher. 2,547,996, Apr. 10.
Zinc paste. C. H. Olsen. 2,548,048, Apr. 10.

CLASSIFICATION OF PATENTS

ISSUED APRIL 10, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

D 1— 2: Des. 162,859
D 2— 3: Des. 162,919
D 3—25: Des. 162,868
Des. 162,869
26: Des. 162,781
Des. 162,793
32: Des. 162,785
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D 5— 5: Des. 162,804
D 7— 4: Des. 162,818
5: Des. 162,830
D 9— 2: Des. 162,881
D10— 8: Des. 162,861
D13— 1: Des. 162,883
D14— 3: Des. 162,792
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Des. 162,878
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18: Des. 162,863
D15— 1: Des. 162,865
8: Des. 162,854
11: Des. 162,889
D22— 3: Des. 162,777
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5: Des. 162,891
D23— 1: Des. 162,880
D26— 1: Des. 162,795
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14: Des. 162,857
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D28— 1: Des. 162,918
D29—20: Des. 162,771
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D30— 1: Des. 162,904
D31— 4: Des. 162,776
Des. 162,826
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D33—16: Des. 162,864
19: Des. 162,769
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13: Des. 162,832
15: Des. 162,790
Des. 162,796
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D37— 1: Des. 162,768
D42— 7: Des. 162,814
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26: Des. 162,837
29: Des. 162,791
30: Des. 162,806
D45—19: Des. 162,896
D47— 7: Des. 162,774
D47— 7: Des. 162,775
Des. 162,807
Des. 162,808
Des. 162,819
Des. 162,820
D57— 1: Des. 162,800
Des. 162,801
Des. 162,802
Des. 162,803
Des. 162,828
D48— 2: Des. 162,814
4: Des. 162,890
20: Des. 162,906
28: Des. 162,789
D49— 1: Des. 162,767
D52— 1: Des. 162,841
Des. 162,848
Des. 162,907
2: Des. 162,901
D54— 2: Des. 162,842
Des. 162,843
Des. 162,844
11: Des. 162,812
13: Des. 162,877
Des. 162,911
14: Des. 162,799
16: Des. 162,856
D55— 1: Des. 162,784
D56— 4: Des. 162,772
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16: Des. 162,915
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D59— 2: Des. 162,838
D61— 1: Des. 162,782
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D62— 2: Des. 162,886
D64—11: Des. 162,779
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D67— 3: Des. 162,798
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D71— 1: Des. 162,910
D74— 1: Des. 162,797
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D80— 9: Des. 162,913
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11: Des. 162,809
D81— 1: Des. 162,862
10: Des. 162,887
Des. 162,916
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8: Des. 162,872
D86— 8: Des. 162,871
10: Des. 162,858
Des. 162,870
Des. 162,888
Des. 162,912
D87— 3: Des. 162,845
D92— 1: Des. 162,825
Des. 162,876
Des. 162,900
D93— 4: Des. 162,794
Des. 162,867

U. S. GOVERNMENT PRINTING OFFICE: 1951

Condition of Applications Under Examination at Close of Business March 23, 1951

Total number of patent applications awaiting action, 113,653. Date of oldest new application, March 25, 1950: date of oldest amended application, March 27, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	4-24-50	4-21-50	2655
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-23-50	5-24-50	1642
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	7-11-50	7-8-50	1572
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-4-50	4-5-50	2094
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-6-50	4-3-50	1615
6. SURLE, H., Carbon Chemistry (part)	6-1-50	6-14-50	1786
7. GONSALVES, J. E., Optics; Photography (part)	9-13-50	9-5-50	1145
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-8-50	5-8-50	2104
9. BENSON, R. B., Pumps and Fans; Fluid Motors	4-25-50	4-11-50	1545
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	4-18-50	4-11-50	1277
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-29-50	4-24-50	1270
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-5-50	6-10-50	1310
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	4-21-50	4-17-50	1474
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	5-6-50	4-22-50	1575
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-3-50	8-3-50	1127
16. LOVEWELL, N. N., Television; Telephony	6-16-50	6-8-50	1182
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-5-50	4-6-50	2155
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-10-50	3-27-50	1551
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-20-50	4-20-50	1340
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-19-50	4-18-50	1730
21. MADER, R. C., Textiles; Package and Article Carriers	4-13-50	4-11-50	1767
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	4-20-50	4-19-50	1316
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	3-25-50	4-14-50	881
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus; Sewing Machines	8-2-50	8-2-50	1655
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-23-50	6-20-50	1522
26. Young, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	5-2-50	5-3-50	1274
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	5-20-50	5-22-50	2166
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-18-50	4-22-50	1535
29. HABECKER, LEON B., Baggage; Cloth; Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	6-1-50	6-3-50	2087
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	7-24-50	7-24-50	1872
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-24-50	6-12-50	2074
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	7-6-50	5-19-50	1424
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-50	5-23-50	2058
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	5-4-50	4-25-50	1550
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	5-2-50	5-3-50	1785
36. McFADYEN, A. D., Measuring and Testing	3-30-50	4-8-50	1489
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	5-29-50	5-25-50	1369
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	7-14-50	6-16-50	1227
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-15-50	4-18-50	2706
40. DRUMMOND, E. J., Receptacles (part); Packages	5-27-50	5-3-50	3013
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-2-50	4-27-50	1502

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 113,653. Date of oldest new application, March 25, 1950; date of oldest amended application, March 27, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	6-2-50	5-12-50	2047
43. ASP, NOGI A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-26-50	7-24-50	1038
44. HARVEY, L. P., Beds; Chairs, Seats	4-7-50	4-6-50	1586
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-24-50	4-29-50	1763
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	4-4-50	4-11-50	1302
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	5-4-50	5-19-50	1619
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	7-12-50	5-2-50	1158
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	5-24-50	5-16-50	1324
50. LEVIN, SAMUEL, Synthetic Resins	9-18-50	7-25-50	1438
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-5-50	5-3-50	1478
52. POPPE, W. A., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-18-50	4-18-50	3185
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	5-18-50	4-21-50	1066
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	6-12-50	4-8-50	1719
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	7-10-50	7-25-50	1071
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-23-50	6-23-50	1707
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-14-50	8-15-50	1180
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-16-50	4-17-50	1309
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	6-22-50	6-17-50	1204
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	5-16-50	1350
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-5-50	4-21-50	1808
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	4-18-50	4-13-50	2190
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	7-12-50	7-17-50	1467
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	8-23-50	8-29-50	1752
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	6-29-50	6-27-50	1656
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	4-13-50	4-5-50	1216
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	6-30-50	6-29-50	1469
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-24-50	6-13-50	1662
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-19-50	4-4-50	1526
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-6-50	3-31-50	1942
DESIGNS: A. BREHM, G. L., Industrial Arts	12-11-50	12-12-50	912
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	12-7-50	12-5-50	845

Total number of trade-mark applications awaiting action (including renewals and republications), 21,879. Date of oldest new application, June 26, 1950; date of oldest amended application, June 30, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	7-7-50	6-30-50	6288
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	8-3-50	8-2-50	3781
Renewals (All Classes)	1-19-51	2-21-51	488
Republications (All Classes)	1-30-51	2-21-51	185
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	6-26-50	6-30-50	5791
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-7-50	7-1-50	5346

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WHEELER, JR. v. LINTON

No. 5741. Decided January 16, 1951

[186 F.2d 738; 88 USPQ 382]

1. INTERFERENCE—DILIGENCE—DELAY IN FILING APPLICATION.

Held that intention to conceal, suppress or abandon an invention cannot be presumed from mere lapse of time between reduction to practice and filing an application, where the record shows that during such period the appellee's device was in use in public view for the purpose of determining the practical utility of the structure.

2. SAME—PRIORITY OF INVENTION—ILLUMINATED SWITCH PLATE.

Record reviewed and the award of priority to the appellee by the Board of Interference Examiners is affirmed.

APPEAL from the Patent Office. Interference No. 82,840.

AFFIRMED.

Corbett, Mahoney & Miller (*John J. Mahoney* of counsel) for appellant.

Ulle C. Linton for appellee.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners, awarding to appellee priority of invention of the subject matter embraced within two counts which originated in his application.

The counts read as follows:

1. An illuminated plastic switch plate molded in one unitary piece of plastic material comprising a body portion having an opening extending therethrough for receiving the knob of the switch, a shell formed with said body portion and extending from the outer face thereof above the opening extending therethrough, said shell having a lamp receiving cavity formed therein, said lamp-receiving cavity being opened from the rear face of said body portion, means for closing the opening of said lamp receiving cavity and said shell being translucent whereby rays of light may extend therethrough and be emitted down towards the opening extending through said body portion.

2. An illuminated plastic switch plate molded in one unitary piece of plastic material comprising a rectangularly shaped body portion having an opening extending therethrough for receiving the knob of the switch, a shell formed with said body portion and extending from the outer face thereof, said shell being positioned adjacent the upper end of said body portion and above the opening therein which receives the knob of the switch, said shell having a rectangularly shaped cavity formed therein and extending horizontally across the outer face of said body portion, the outer wall of said shell being molded without an opening therein and being sufficiently translucent as to permit light rays to extend therethrough and emit down upon the outer face of said body portion, the rear face of said body portion having a rectangular opening therein communicating with the cavity formed within said shell and means for closing said opening within the rear face of said body portion.

The interference as declared included a third party who was eliminated for the reason that he failed to overcome the filing dates of the present parties.

Two applications are involved herein: that of appellant, Serial No. 578,691, filed February 19, 1945, "For Electrically Lighted Wall Switch-Plate," and an application of appellee, Serial No. 558,054, filed October 10, 1944, "For Cover Plate for Electrical Outlets."

In his preliminary statement appellant alleges that the first drawing and written description of the invention were made on or about March 20, 1944; that it was explained to others on or about that date; that a full sized model of the device defined by the counts was constructed April 1, 1944; and was then first successfully operated. It is also alleged that reasonable diligence in adapting and perfecting the invention was begun about March 1, 1944.

In the preliminary statement of appellee it is alleged that drawings of the device and disclosure to others were made on or about April 2, 1940; first written description thereof on or about May 3, 1940; Patent Office drawings illustrating the device May 1, 1940; preparation of application papers for patent duly executed on May 23, 1940; reduction to practice on or about May 18, 1940; and the exercise of reasonable diligence from on or about April 2, 1940.

The subject matter defined by the counts is an electric switch cover plate of plastic, with a housing positioned above the opening for the switch arm. In the housing, which has light transmitting properties, are placed a small neon bulb and a resistor connected in series with the terminals of the switch, but in parallel to said switch, which is covered by the plate. When the switch is open, the electric current passes through the lamp and resistor causing a faint light to be emitted through the covering or housing. Upon closing the switch, the current by-passes the lamp and resistor, thereby extinguishing the light from the bulb.

The purpose of the switch plate is to indicate its position, particularly on a wall switch, so that in a dark room its position may be seen. The bulb itself, being encased behind the housing, may not be seen and can be reached only from the back of the plate.

Appellant, being the junior party, has the burden of proving priority of invention by a preponderance of the evidence.

Both parties took testimony, filed briefs, and were represented at the final hearing.

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It was admitted by counsel for appellant that appellee made an actual reduction to practice of the structure defined by the counts on June 1, 1940. On that date, a switch plate, which meets the limitations of the counts, was installed at the farm of the factory superintendent of a corporation of appellee, and on that date, in the presence of witnesses, the device was successfully operated. Therefore, there can be no question that appellee, as was held by the Board of Interference Examiners, is entitled to conception and reduction of the invention as early at least as June 1, 1940. It may be noted that that date is about four years prior to the earliest date claimed by appellant.

It is contended by counsel for appellant that appellee should not have been awarded priority because he had concealed and suppressed his invention until spurred into activity by appellant coming into the field and placing the invention before the public prior to the filing date of appellee's application.

In support of that contention, counsel rely on the doctrine enunciated in the case of *Mason* v. *Hepburn*, 13 App. D. C. 86, 1898 C. D. 510; 84 O. G. 147. We are convinced, as was the Board of Interference Examiners, that that case has no application to the facts appearing herein. There, it appears that a detachable end piece was connected to the magazine of a gun, and after that combination had been constructed by Mason and adapted for use it was stored away and apparently forgotten for several years. During that time the same inventor took out a patent for a magazine gun and one for a gun clip. The old device, apparently forgotten, was recalled to his memory by the publication of the patent to appellee Hepburn, dated September 11, 1894, upon an application filed April 3, 1894. The application of appellant was filed December 31, 1894.

[1] The facts in the instant case amply demonstrate that appellee made his device and reduced it to practice by having it attached to the outer side of a brooder house upon the said superintendent's poultry farm. The house on the farm was situated about 200 feet from the highway and the brooder house or barn about 100 feet behind the house. It may be true that the light of the switch would not be visible from either the home or from the public highway. However, it appears that customers were coming and going every day to the farm to buy eggs and poultry and could see it in operation. As a matter of fact, the original wall switch plate is still in its first position and in use. For the reason that the small lamp that was installed in the device was new, its length of life was not known. Neither was it known whether the thin plastic wall of the lamp housing would be serviceable for its intended purpose. The fact that appellee exposed his device as he did, in order to determine what the reasonable life of those elements might be, should not prejudice his rights. It seems reasonable to us that before filing an application for a patent an applicant should first determine the utility and practicality of his structure. *Frey* v. *Wagner*, 24 CCPA (Patents) 823, 87 F.2d 212, 32 USPQ 239, 479 O. G. 995.

While it is true that appellee might have filed his application long before he did, nevertheless, intention to suppress, conceal, or abandon cannot be presumed from mere lapse of time. *Rhinevault* v. *Pfiester*, 20 CCPA (Patents) 1112, 65 F.2d 161, 17 USPQ 510, 435 O. G. 777.

It appears that appellant placed advertisements of his device in various magazines, the earliest of which is dated August 18, 1944, and subsequently like advertisements appeared in September and October of that year. Counsel for appellant contend that knowledge of those advertisements spurred appellee into activity. It does not appear that appellee had any knowledge of those advertisements prior to the filing of his application. Furthermore, it appears that appellee instructed the factory superintendent of his corporation, on January 1, 1944, to assemble about 50 wall switch plates from a lot of 100, all of which were made in accordance with the limitations of the counts, and distribute them among his friends. That distribution was made and later appellee placed an order for 25,000 wall switch plates of the same kind with a Pittsburgh firm. The order was not filled until after the close of the war, but such delay, in our opinion, in view of the circumstances herein, is immaterial.

The Board of Interference Examiners made no error in its award of priority to appellee. There is no evidence of suppression, concealment, or abandonment on behalf of appellee and in our opinion he not only did not suppress his invention, but was vigorously engaged in promoting it at the time the advertisements appeared. *Rhinevault* v. *Pfiester*, supra; *Erik Christian Bayer* v. *John A. Rice et al.*, 64 App. D. C. 107, 75 F.2d 238, 24 USPQ 38, 450 O. G. 749.

[2] For the reasons hereinbefore set out, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

WORLEY, *J.*, concurs in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE GREIDER ET AL.

No. 5745. Decided January 16, 1951

[186 F.2d 718; 88 USPQ 384]

1. APPEAL TO THE U. S. COURT OF CUSTOMS AND PATENT APPEALS—CHANGE IN OFFICE PRACTICE SUBSEQUENT TO APPEAL.

Where a Patent Office ruling in a case is based upon a practice which is changed by a Commissioner's Notice issued on a date subsequent to the appeal to the court, a rejection based upon the prior practice should be affirmed, but the rejection may be withdrawn when the case is again within the jurisdiction of the Patent Office.

2. PATENTABILITY — PARTICULAR SUBJECT MATTER — ASBESTOS PAPER.

Since the prior art would not instruct one skilled in the art to produce the articles defined in certain claims to an asbestos paper, without the exercise of invention, the decision of the Board of Appeals is modified.

APPEAL from the Patent Office. Serial No. 570,477.

MODIFIED.

Kenyon & Kenyon (*Lee B. Kemon* and *Richard K. Parsell* of counsel) for appellants.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting 11 claims, 1 to 7, inclusive, and 15 to 18, inclusive, of a patent application, Serial No. 570,477, filed November 29, 1944. All of the involved claims, with the exception of claims 17 and 18, were rejected by the Examiner as unpatentable over the patent to Kenedy, No. 1,820,538, dated August 25, 1931, upon an application, Serial No. 282,506, filed June 2, 1928.

Claims 17 and 18 were rejected as not readable on the elected species, there being no allowable generic claim present. Those claims, therefore, are not before us on their merits.

Claim 15 was further rejected on the ground that it is of the Markush type and that there was no reason to warrant allowance of both generic and that type of claim in the same application.

No claims were allowed.

Claims 1 and 4 are illustrative of the subject matter of the application and read as follows:

1. As an article of manufacture a flexible coherent bibulous felted-fiber sheet-like body, said fibers comprising asbestos fibers which are interbonded in situ by the interaction of said asbestos fibers in situ as disposed in felted relation in said sheet-like body with a water-soluble inorganic compound which produces a sulphate anion in water solution.

4. As an article of manufacture a flexible bibulous felted-fiber asbestos paper wherein asbestos fibers constitute the major proportion by weight of the fiber plus any filler contained in said paper, said asbestos fibers being interbonded in situ by the interaction of said asbestos fillers in situ as disposed in felted relation in said felted-fiber asbestos paper with a water-soluble inorganic compound which produces a sulphate anion in water solution to provide a tensile strength of at least 5 pounds per linear inch of width for the said flexible and bibulous asbestos paper which for sheet thicknesses up to 0.05 inch is bendable 180° around a 1.5 inch diameter mandrel in 2 seconds at 77° F. without rupture or breaking at the surface.

Claim 2 relates to an article as defined in claim 1 and additionally sets out that the sheet-like body contains less than 2% by weight of organic binder.

Claim 3 is similar to claim 1 with the additional limitation that the sheet contains a major proportion by weight of asbestos fibers and less than 6% by weight of organic material of any kind. The claim further recites that the sheet contains less than 15% by weight of material other than the fiber plus any finely-divided filler contained therein. It is also set out in the claim that the bonded sheet has a tensile strength of at least 5 pounds per linear inch of width.

Claim 5 depends upon claim 4 with the additional recital that any organic fiber plus any organic filler in the paper constitutes less than 10% by weight of the fibers plus any filler contained in the paper.

Claim 6 also depends upon claim 4 but limits the amount of any organic material to less than 6% by weight of such material.

Claim 7 differs from claim 4 merely in that it recites that the asbestos paper is substantially free or organic material.

The application relates to an asbestos paper and a method for producing it. It is stated in the application that invention resides in the making of an asbestos paper in which the asbestos fibers are bonded together without the use of an organic binder and without rendering the product stiff and boardy. The notion of appellants is stated to be the production of asbestos paper sheets and the like which have a high resistance to heat, moisture, rot, and other destructive influences. They state that they have discovered that asbestiform mineral fibers in the form of a felted sheet-like body can be bonded together by the interaction of the said fibers with a solution of a water-soluble inorganic compound which contains a sulphate anion. They claim that a coherent body is then produced which is flexible and porous but with much more strength than an untreated sheet of such fibers. They state that the interaction between the compound and the fiber is not definitely understood but seems to be specific between the fibers and water-soluble inorganic compounds forming a sulphate anion in a water solution.

Appellants illustrate their claimed invention of making a strong and coherent asbestos paper without the use of any organic binder by stating in their application that asbestos fiber of the usual paper grades is made into an aqueous "furnish" pursuant to the conventional methods used in making asbestos paper, and that the "furnish" is made into sheet material on a conventional paper-making machine until an asbestos sheet is formed of the thickness and weight desired. The paper at that stage is free of binder. After it has been formed it is dried and then has a solution of sulphuric acid or the like applied thereto. The degree of dryness before the application of the acid may be merely enough to enable the acid to penetrate into the paper. It is said that preferably the paper is substantially dried, that is, containing less than about 5% by weight of moisture, before the acid is employed. After the application of the acid, the paper is again dried by subjecting it to the action of drying rollers which may be heated to a conventional drying temperature of from 200° to 300° F. It may, however, be dried at ordinary temperature, and it is thereafter ready for use. It is said in the application that the acid is diluted with water from approximately 2% to 25%, but that the concentration of acid employed does not appear to be critical.

Other water-soluble compounds which produce a sulphate anion in solution are disclosed. Those set forth as preferable are ammonium sulphate, ammonium bisulphate, sodium ammonium sulphate, ammonium aluminum sulphate, ammonium zinc sulphate, lithium sulphate, magnesium acid sulphate, manganese sulphate, potassium sulphate, sodium sulphate, ferric sulphate, ferrous sulphate, potassium bisulphate, and magnesium ammonium sulphate.

It is said that the asbestos sheet material defined in the involved claims is very strong while remaining flexible and bibulous, and that the sheets may

be subjected to a sustained temperature of from 900° to 1000° F.

Prior to the discovery by appellants, the fibers of asbestos papers were bound with organic binders such as starch. Because that binder cannot sustain the high temperatures just mentioned, it deteriorates and becomes useless. It is set forth in the application that the advantages of appellants' discovery are available even though some organic material may be present in the product. Where high fire resistance is desired less than 5% by weight of the fiber can be of organic material, and it is also possible to include other mineral fibers such as rock wool, slag wool, glass fibers, and the like, all of which are heat resistant but are more brittle than asbestos fibers.

Regardless as to what minor proportions of organic material may be contained in the sheet, the content of the asbestos fiber must be sufficient for those fibers to come into intimate association so that they become bonded together at a multiplicity of points of contact to create a bond among the asbestos fibers. Therefore, the product should consist in a major proportion by weight of the asbestiform material.

While the usual binder, such as starch, may be omitted entirely, appellants state in their application that it is within the scope of their claimed invention to employ the inorganic compounds with some starch. As an example, they set out that asbestos paper containing 1% or less by weight of starch may be employed without materially detracting from the heat resistance of the paper for the reason that when exposed to high temperatures the paper may be discolored but the bond will be maintained even though the starch has become carbonized.

In addition to the fiber and bonding elements of the product, there may be included a finely-divided filler of the order of 5% to 10% of the weight of the fiber. Among those materials are diatomaceous earth, fine pumice, clay talc, or pigments to impart color.

The Kennedy patent relates to a process of making mineral fiber articles, such as paper and blocks, containing mineral fibers with the aid of sea growths. One of the mineral fibers disclosed is asbestos. It is stated in the specification that prior to the discovery of the patentee, it was impossible by the use of paper-making apparatus to make sheets of 10 mils or less in thickness from raw kelp without incorporating by carding at least 40% by weight of vegetable fiber, such as cotton or flax, in the finished article. Such a quantity of vegetable fiber is said to detract materially from heat resisting and other qualities of the product and it is also a costly operation. The patentee found that he could manufacture in a conventional apparatus a paper from raw kelp which contains substantially no vegetable fiber and the only fiber present being of the mineral class, such as asbestos, mineral wool, or the like. He also states that he may add in his process small proportions of vegetable fibers, such as cotton or flax, but in a lesser amount than 40% by weight of the finished product. It is said that the product made in accordance with the patentee's process possesses nearly all the heat resisting qualities of the mineral fiber and that it has an extremely high electrical insulating value. Sheets made as thin as 1 mil and containing only mineral fibers are even in texture, may be calendered to a high surface finish, possess a high tensile strength and are less absorptive of moisture than when vegetable fibers are present.

In the process of the patent it is set out that 100 pounds of asbestos fiber, preferably of ¼ inch in length or shorter, may be put into a beating machine of the conventional paper-making type with 120 gallons of water and 20 pounds of kelp. To this is added 4 pounds of sodium carbonate. The beater is then operated until the kelp has been dissolved by the alkali combining therewith and becomes completely incorporated with the asbestos. At that stage of the process 5 pounds of a precipitant, such as calcium acetate dissolved in 5 gallons of water, is added in order to precipitate the compounds formed by substituting the calcium for the sodium in the kelp compound, and the beating is continued until the materials are in a homogeneous mass. The mass is then removed from the machine and put into the usual type of a Jordan engine and from there into a conventional paper-making machine. It is said in the patent that the kelp which becomes solubilized by combining with the sodium carbonate, forms a colloidal solution of high viscosity, acts as a carrier of the mineral fiber and is fixed in that condition by the precipitant because the precipitated compound is insoluble in water. Therefore, it is said, the product will withstand high temperatures and possess high insulating value. Other suitable material for solubilizing the alginic acid or its compounds in the kelp are set out as sodium hydrate, potassium carbonate, and sodium phosphate. It is further stated that instead of calcium acetate, any other mineral salt which will produce insoluble compounds by reaction with the alginic acid may be used, such as zinc sulphate, aluminum sulphate, or dilute acids, such as sulphuric acid.

The Examiner, in his statement, pointed out that in the patent to Kennedy an asbestos paper is disclosed, in the making of which sulphuric acid is employed which contains sulphate anions and held the limitations in the involved claims, that the fibers are interbonded in situ, do not avoid the reference for the reason that the sulphate compound of the patent will inherently act as a binder for the fibers. He also held the further limitation in claim 1, that the binder is an interaction product of asbestos and a water-soluble inorganic sulphate, does not render the claim patentable over the reference. He concluded that the same reaction product must be produced in the process of the patent as in the article of appellants.

The Board of Appeals affirmed the decision of the Primary Examiner, but recognized that there is

invention in appellants' application by stating as follows:

> In view of the record presented and in the absence of further art, we recommend the allowance of not more than four product claims (generic and three species) directed to the article disclosed together with corresponding process claims. Such claims should be restricted to a flexible, bibulous *paper consisting* essentially of felted asbestos fibers bonded together at their points of contact solely by the product of the action thereon of an aqueous solution sulfate applied to the preformed felted asbestos. [Italics quoted.]

In a second decision, upon a petition requesting reconsideration, the Board declined to make any change in its former holding.

For the reason that the essence of appellants' discovery is the forming of a flexible, coherent, bibulous, felted-fiber, sheet-like body in which the asbestos fibers are interbonded in situ by the interaction of said fibers in situ as disposed in felted relation with a water-soluble inorganic compound which produces a sulphate anion in water solution, we are of the opinion that the Kennedy patent is insufficient upon which to base a rejection of the involved claims. It is clear to us that the patent does neither suggest nor instruct one skilled in the art, without the exercise of invention, to produce the articles defined in the rejected claims.

It is clear to us that the fibers of the sheets which are the product of the reference are bonded together by an organic binder which appears to be algin, derived from seaweed.

The patent was discussed in affidavits appearing in the record on behalf of appellants. It is there stated that the Kennedy process had been practiced and as a result of such operation, regardless of the substance used to precipitate the algin in the beater into a felted fiber which contained the asbestos fibers and the residual seaweed cellulose, there was no inorganic binder whatever in the resulting paper product. It was also shown that the process of the patent cannot produce a sulphate bond because the algin must first be dissolved and then precipitated while the asbestos fibers are in suspension in the beater and that regardless of the amount of sulphate used in the aqueous suspension before felting, there is only an organic bond in the Kennedy product which is provided by the algin from the seaweed. It further appears that several tests were made of the Kennedy process, all of which resulted in a product possessing no inorganic bond whatsoever, even though sulphuric acid was used.

The results of those tests appear to us to be in accord with the statement in the involved application that the interaction between the water-soluble inorganic compound, which produces in water solution a sulphate anion, and the felted sheet-like body of the asbestos fibers "is not definitely understood, but appears to be specific between the substance of the asbestos formed mineral fibers and water-soluble inorganic compounds forming a sulphate anion in water solution."

It is not questioned here that the claims are in accord with the application.

While none of the involved claims are similar to those which have been suggested by the Board of Appeals, in our opinion, the essence of appellants' discovery is contained in all of them. Each sets out that the asbestos fibers are interbonded in situ by the interaction of such fibers in situ as they are disposed in felted relation with a water-soluble inorganic compound which produces the sulphate anion.

In view of the record herein, we cannot believe that the presence of a sulphate in the paper of the patent will inherently act as a binder for the mineral fibers. It is shown in the affidavits that the sulphates, when mixed together in a beater with the other ingredients in the making of asbestos paper, have no binding effect whatsoever.

It seems obvious that if appellants had acquiesced in the suggestion made by the Board of Appeals and filed claims in accordance with such suggestion, they would not be sufficiently protected. Anyone seeking to profit by the benefits of appellants' patentable discovery without infringement could do so merely by adding thereto quantities of any organic material.

Heretofore, this court has held that if true generic claims were found allowable, the Markush type of claims in the same application should be rejected. *In re Thompson*, 33 CCPA (Patents) 942, 154 F.2d 189, 69 USPQ 148, 588 O. G. 353. In a notice by the Commissioner of Patents appearing in the Patent Office OFFICIAL GAZETTE of October 11, 1949, the Examiners of the Patent Office were instructed that they should not reject a Markush type claim merely because of the presence of a true genus claim which included the former in its scope. Such instruction, in our opinion, is based upon sound reasoning which appears in the following language of the notice:

> This restriction [with respect to Markush type claims] would be logically sound if there were a reasonable certainty that the true genus claim would be held valid by the courts. Conceivably, a patentee may have presented a number of examples which, in the Examiner's opinion, are sufficiently representative to support a generic claim and yet a court may subsequently hold the claim invalid on the ground of undue breadth. Where this happens the patentee is often limited to species claims which may not provide him with suitable protection.
>
> The allowance of a Markush type claim under a true genus claim would appear to be beneficial to the applicant without imposing any undue burden on the Patent Office or in any way detracting from the rights of the public. Such a subgenus claim would enable the applicant to claim all the disclosed operative embodiments and afford him an intermediate level of protection in the event the true genus claims should be subsequently held invalid. It would appear that this extension of the Markush practice would be in keeping with the spirit of assistance to the inventor which motivated the establishment of this practice.

[1] The present application was prosecuted, finally decided in the Patent Office, and appealed to this court prior to the date of the said notice and, therefore, the decision of the Board with respect to the rejection of claim 15, because it is of the Markush type, should be affirmed. *In re Langauer*, 31 CCPA (Patents) 785, 139 F.2d 512, 60 USPQ 186, 560 O. G. 6. However, because the decision of the Board of Appeals will be reversed with respect to the application of the prior art and the case will

again be within the jurisdiction of the Patent Office for further action, it seems reasonable to us that the rejection of claim 15, as being of the Markush type, should be withdrawn.

It seems to us that the practice inaugurated by reason of the notice and since then constantly in effect should be applied to all cases not finally determined.

[2] For the reasons hereinbefore set out, the decision of the Board of Appeals in rejecting the involved claims as unpatentable over the prior art, is reversed, and with respect to claim 15, as being of the Markush type, its decision must be affirmed.

MODIFIED.

O'CONNELL, *J.* (dissenting in part):

The court in the prevailing opinion has set forth and taken judicial notice of the new rule of the Patent Office by which claim 15 would be allowed if now presented there. The majority, however, have affirmed the decision of the Board of Appeals with respect to the rejection of that claim.

The ground stated for the affirmance is that the court is without jurisdiction to consider the change in the law effected by the new rule of practice in the Patent Office authorizing the allowance of the claim. The majority bases its position on the ground that the change in law had occurred after the appeal was taken and no reasons of appeal are directed to that point and the point in issue, citing *In re Langsner*, 31 CCPA (Patents) 785, 139 F.2d 512, 60 USPQ 186, 560 O. G. 6.

The question of law thus presented was raised and rejected when the Court of Customs and Patent Appeals promulgated the rule that we will here apply the appropriate law to the facts in a given case on appeal, even though in so doing *it is necessary for the court to pass upon questions not considered by the tribunals of the Patent Office and not raised by the reasons of appeal. The Coschocton Glove Company v. Buckeye Glove Company*, 24 CCPA (Patents) 1338, 1343, 90 F.2d 660, 664, 34 USPQ 64, 67, 485 O. G. 758. [Italics supplied.]

The rule in Langsner, supra, is not pertinent here because in that case the situation was based upon a subsequent change in essential facts and not a subsequent change in law effected by a change in the rules of practice in the Patent Office. When, as here, the new rule is not inconsistent with the statutes, it has force and operation of law. *In re Terres et al.*, 32 CCPA (Patents) 965, 150 F.2d 711, 65 USPQ 245, 576 O. G. 341.

By a short cut to justice, the court should relieve appellants of the necessity of resorting to all the technical apparatus of procedure, with which litigants are familiar, in order to correct a situation which the court has learned from its own records that the foundation of the decision of the Board of Appeals has been reversed. *Reed* v. *Allen*, 286 U. S. 191, 207.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,853,629. (See Re. 18,839.)

1,949,322, O'Hara & Herring, Switch, filed Feb. 26, 1951, D. C., E. D. Mich. (Detroit), Doc. 10366, *Walter Herring* v. *Essex Wire Corp.*

1,969,945, O. V. Rodriques, Razor and loading device therefor, 2,043,046, L. Kulul, Magazine for razor blades, D. C., S. D. N. Y., Doc. 49/623, *Eversharp, Inc.* v. *Pal Blade Co., Inc., et al.* Consent judgment holding patents valid; injunction Mar. 2, 1951.

2,043,046. (See 1,969,945.)

2,088,606, Peebles & Manning, Manufacture of stable powdered products containing milk sugar, D. C. Utah (Salt Lake City), Doc. 1889, *Golden State Co., Ltd., et al.* v. *Cache Valley Dairymen's Ass'n et al.* Consent judgment granting injunction Feb. 28, 1951.

2,251,386. (See 2,403,752.)

2,264,194, J. V. Wuestman, Advertising pencil, pen, or the like, reopened on order of U. S. C. A. Mandate filed Mar. 6, 1951, D. C., S. D. N. Y., Doc. 57/252, *Secretary Pen Co., Inc., et al.* v. *Everlast Pen Corp.*

2,284,664, K. Kissling, Shears, appeal filed Feb. 1, 1951, C. C. A., 2d Cir., Doc. 21934. *Philbeck Corp.* v. *The Acme Shear Mfg. Co.*

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls and the like, D. C., N. D. Ill. (Chicago), Doc. 50c1768, *Greenbrier Co.* v. *Fox DeLuxe Foods, Inc.* Consent decree for injunction Feb. 19, 1951.

2,326,634. (See 2,403,752.) 2,354,018. (See 2,403,752.)

2,354,049. (See 2,403,752.) 2,379,741. (See 2,403,752.)

2,383,884. (See 2,403,752.)

2,403,752, M. H. Phillippi, Flexible reflex reflecting film; 2,251,386, S. White, Sign; 2,326,634, M. L. Gebhard et al., Reflex light reflector; 2,354,018, Heltzer & Clarke, Light reflector sheet; 2,354,049, P. V. Palmquist, Backless reflex light reflector; 2,379,741, same, Reflex light reflector; 2,383,884, same, Colored reflex light reflector; 2,407,680, P. V. Palmquist et al., Reflex light reflector, filed Dec. 14, 1950, D. C., N. D. Ill. (Chicago), Doc. 50c1749, *Minnesota Mining & Mfg. Co.* v. *American Decalcomania Co.*

2,407,680. (See 2,403,752.)

2,422,834, J. L. Kleinman, Shoulder-pad, appeal filed Feb. 27, 1951, C. C. A., 2d Cir., Doc. 21965, *J. L. Kleinman* v. *Betty Dain Creations, Inc.*

2,541,637, Christopher & Spear, Method of vaporizing lindane in ventilated rooms, filed Feb. 23, 1951, D. C., S. D. Fla. (Miami), Doc. 3672-M, *American Aerovap, Inc.* v. *Sax Enterprises, Inc., et al.*

Re. 18,839 (of 1,853,629), D. Mapes, Recoil preventing safety cap, filed Feb. 28, 1951, D. C. N. J. (Newark), Doc. 201/51, *Specialties Development Corp.* v. *C-O-Two Fire Equipment Co.*

Des. 151,732, W. G. Bley, Lady's stocking, filed Mar. 2, 1951, D. C. N. J. (Trenton), Doc. 258/51, *Sanson Hosiery Mills, Inc., et al.* v. *Warren Knitting Mills, Inc.*

Des. 157,566, B. Cashin, Jacket, D. C., S. D. N. Y., Doc. 59/73, *Adler & Adler, Inc.* v. *Sherman Bros., Inc.* Stipulation and order of discontinuance Feb. 27, 1951.

Des. 158,309, F. R. Nesselroth, Spectacle frame, filed Feb. 28, 1951, D. C., S. D. N. Y., Doc. 64/295, *A. Kono et al.* v. *Chaldyne Optical Co., Inc.*

Des. 159,443, P. A. Riley, Wall plaque, filed Mar. 7, 1951, D. C., S. D. N. Y., Doc. 64/365, *The Dolly Toy Co.* v. *Bancroft-Rellim Corp.*

Des. 159,776, G. E. Birkheimer, Wheel balance weight, filed Mar. 1, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30392, *G. E. Birkheimer* v. *U. C. Weight Mfg. Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 199,644, T. M. 222,211, T. M. 239,830, Williams Oil-O-Matic Heating Corp., Liquid-fuel-burning device; T. M. 269,277, same, Automatic electrically controlled and operated fuel heating systems; T. M. 304,965, same, Hot water heater; T. M. 379,296, same, Electrical motors, filed Feb. 1, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 11901, *Caloric Stove Corp.* v. *Eureka Williams Corp.*

T. M. 222,211. (See T. M. 199,644.)

T. M. 239,830. (See T. M. 199,644.)

T. M. 269,277. (See T. M. 199,644.)

T. M. 304,965. (See T. M. 199,644.)

T. M. 310,181, Wine & Spirit Vaults, Ltd., Whisky, D. C. N. J. (Newark), Doc. 11562, *Duncan Weston & Co., Ltd.* v. *Weston Co., Inc.* Consent judgment, dismissing complaint and granting injunction Mar. 7, 1951.

T. M. 323,126, Carson Pirie Scott & Co., Piece goods, filed Mar. 1, 1951, D. C., S. D. N. Y., Doc. 64/296, *Martin Weiner Corp.* v. *Tex-Style Vogues Corp.*

T. M. 379,296. (See T. M. 199,644.)

NOTICES

Adjudicated Patents

(D. C. N. C.) Bley Design Patent No. 151,732, for a lady's stocking, *Held* valid and infringed. *Sanson Hosiery Mills* v. *Glen Raven Knitting Mills*, 95 F. Supp. 134.

(D. C. N. J.) Apel Patent No. 2,126,304, for a boat, *Held* valid and infringed. *Apel* v. *Connolly*, 95 F. Supp. 160; 88 USPQ 200.

(C. A. N. Y.) Wuestman Patent No. 2,264,194, for an advertising pencil, pen or the like. Claims 6 and 7 *Held* not infringed. *Secretary Pen Co.* v. *Everlast Pen Corp.*, 186 F.2d 575; 88 USPQ 231.

(C. A. Ky.) Ruff et al. Patent No. 2,371,472, for a cart. Claims 2 and 3 *Held* invalid. *Montgomery Ward & Co.* v. *Buer*, 186 F.2d 614; 88 USPQ 341.

Disclaimers

2,493,913.—*Charles R. Busch*, Orange, N. J. BRAKE BEAM. Patent dated Jan. 10, 1950. Disclaimer filed Mar. 15, 1951, by the inventor and the assignee *Buffalo Brake Beam Company.*

Hereby enter this disclaimer to claims 5 and 27 of said patent as follows:

To the words "truss locks" in said claims, except with the meaning that said words indicate members for receiving and mounting brake heads thereon which are removable therefrom, the brake heads constituting entirely separate elements from the truss locks.

2,523,496.—*Kenneth N. Campbell* and *Barbara K. Campbell*, South Bend, Ind. METHOD OF PREPARING XANTHINE AND METHYLATED XANTHINES. Patent dated Sept. 26, 1950. Disclaimer filed Feb. 7, 1951, by the inventors; the assignee, *Ivano, Inc.*, assenting and joining in.

Hereby enters this disclaimer to claim 4 of said patent.

Classification Order No. 94

February 23, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 31, Dairy* (Division 5)

50 **Milking pails and cans**
51 Inlet
52 Valved
53 Outlet
54 Lap supported
56 **Milking stools**
57 With pail support
58 **Milkers**
59 Catheter
60 Suction
Suction and compression
61 Suction pulsator
62 Can closure
63 Manifold or claw
64 Pressure pulsator
65 Can closure
66 Manifold or claw
67 Mechanical compressor
Suction
68 Pulsator
69 Pulsators
70 Can closure
71 Manifold or claw
72 Teat cup
73 Air pump
74 Milk pump
Compression
75 Fluid pulsator
76 Teat cup
77 Piston operated
78 Pulsators
79 Mechanical
80 Hand supported and operated
81 Hand conduit
82 Milk releasers
83 Manifolds or claws
84 Teat cups
85 Two chambered
86 Vacuum regulators and cutoffs
87 Processes

ABOLISH SUBCLASS TITLES

In *Class 31, Dairy* (Division 5)
cancel the unnumbered subclass title "Suction and Compression" (following subclass 60).
cancel the unnumbered subclass title "Suction" (following subclass 67).

cancel the unnumbered subclass title "Compression" (following subclass 74).

ESTABLISH SUBCLASSES

In *Class 30, Cutlery* (Division 11)

(E. V. BENHAM and S. M. NEWMAN, *Classifiers*)

Can openers

5.5 Peripheral push or punch type
Plural cutter
6.1 Push or punch type
6.3 With spout formers
6.5 Combined with cutlery

In *Class 119, Animal Husbandry* (Division 5)

(A. RUEGG, JR., *Classifier*)

Milkers

14.01 Methods of milking
14.02 Milking station arrangements, e. g., parlors
14.03 With traveling platform
14.04 Releasers
14.05 Alternating
14.06 With pulsator-controlled discharge
14.07 With automatic control
14.08 With cooling means
14.09 With supporting means
14.1 Vehicle
14.11 Surcingle
14.12 With biasing means
14.13 With signals, indicators, registers and timers
14.14 Flow indicating
14.15 Transparent inspection means and/or flow line section
14.16 Quantity indicating
14.17 Combined
14.18 Catheter
14.19 With vacuum
14.2 Catheter per se
14.21 With hand compression
14.22 Conduit and/or teat cover with receiver
14.23 With mechanical compression
14.24 With milk conveying vacuum
14.25 Fluid operated
14.26 With fluid compression
14.27 With electro-magnetic control
14.28 Plural pulsators operating in series
14.29 With continuous vacuum derived from pulsating line
14.3 With progressive collapse
14.31 Valved trap chamber control
14.32 Vapor barrier means, e. g., baffle, filter
14.33 Multiple chamber
14.34 With common discharge valve
14.35 With milk conduit air inlet, e. g., anti-surge
14.36 Pulsator combined with claw
14.37 Pulsator combined with teat cup
14.38 Pulsator mounted on receiver
14.39 With continuous vacuum on milk channel
14.4 Pulsator control with continuous vacuum on milk channel
14.41 With pump between teat cups and receiver, e. g., milk pump
14.42 With receiver between teat cups and pump, e. g., vacuum pump
14.43 With fluid pressure regulator
14.44 With non-use securing means
14.45 Receiver
14.46 Teat compressor or cup
14.47 Adjustable
14.48 With liner separable from shell
14.49 Reciprocating
14.5 Connecting conduit
14.51 Predetermined collapse
14.52 Plural fluid chambers
14.53 Claw
14.54 Fluid control
14.55

In *Class 137, Water Distribution* (Division 39)

(A. RUEGG, JR., *Classifier*)

Valve actuation
Periodic
145.1 Milker type pulsator
145.2 With trip linkage
145.3 Interdependent timer and distributor valves
145.4 Single reciprocating valving slide
145.5 With diaphragm actuator
145.6 Motor actuated valve
145.7 Rotary valve

In *Class 155, Chairs and Seats* (Division 44)

(A. RUEGG, JR., *Classifier*)

Special
35.1 Milker stool type
35.2 Milker seated on pail
35.3 With pail support at side of stool
35.4 Foldable to non-use position
35.5 Adjustable
35.6 To pail size
35.7 Vertically

In *Class 220, Metallic Receptacles* (Division 40)

(A. RUEGG, JR., *Classifier*)

17.1 **Leg or lap supported**
17.2 Bail ear engaging or integral therewith
17.3 With pail encircling band or ring

In *Class 289, Tying Cords or Strands* (Division 5)

(S. M. NEWMAN, *Classifier*)

1.5 **Methods**

CHANGE SUBCLASS TITLES

In *Class 81, Tools* (Division 29), change the titles of subclasses 129, 164, the unnumbered subclass entitled "Nontraveling Nut" following subclass 165, 167, 169–175 to read:

Wrenches
129 Slidable jaw adjustments
Thread
164 Rotatable threaded handle-shank
Non-traveling rotatable nut
Intermediate
167 Causing outer jaw to slide
Terminal
169 Causing outer jaw to slide
170 Non-traveling rotatable screw
172 Spiral groove engaged by slidable actuator
173 Traveling and rotating nut
175 Traveling and rotating screw

In *Class 286, Packed Shaft or Rod Joints* (Division 52), change the titles of subclasses 11.13 and 11.14 to read:

Rotary rod
11.13 Relatively rotatable radially contacting sealing surfaces
11.14 Longitudinally movable

MISCELLANEOUS CHANGE

On page 294–1, in subclass 50.9, correct the spelling of "movable".

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
31	50	220	Various
31	51	155	35.1+
31	52	210	Various
		220	Various
31	53	210	Various
		220	Various
31	54	220	17.1+
31	56	155	Various
31	57	155	35.1+
31	58	119	14.03+, 14.05+, 14.08, 14.09, 14.1+, 14.14+, 14.45, 14.46
31	59	119	14.19+
31	60	119	14.2
31	61	119	14.27+
		137	145.1+
31	62	119	14.4
		137	145.1+
31	63	119	14.37, 14.54
31	64	119	14.1+, 14.39
		137	145.1
31	65	119	14.31, 14.4
31	66	119	14.31, 14.37
31	67	119	14.12, 14.25
31	68	119	14.06, 14.1+, 14.27+
31	69	119	14.14+, 14.27+
		137	145.1+
31	70	119	14.39+
		137	145.1+
31	71	119	14.28, 14.29+
31	72	119	14.38
31	73	119	14.14, 14.33, 14.39, 14.43, 14.44
31	74	119	14.1, 14.11, 14.16 14.27, 14.42
31	75	119	14.1, 14.12, 14.18, 14.27
31	76	119	14.12, 14.31, 14.52
31	77	119	14.1, 14.25, 14.26
31	78	137	145.3
31	79	119	14.1+, 14.24+
31	80	119	14.22, 14.24
31	81	119	14.09, 14.1, 14.23
31	82	119	14.03, 14.08+, 14.32+
31	83	119	14.12, 14.54, 14.55
31	84	119	14.16, 14.47+
31	85	119	14.47+
31	86	119	14.08, 14.27, 14.32+, 14.44
		137	145.1
31	87	119	14.02

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
30	5.5	30	6, 10, 16
30	6.1	30	6, 10, 16
		220	51
30	6.3	7	14.2
		30	3+
30	6.5	30	22, 142, 143
119	14.01	31	66, 80
119	14.02	31	58, 61, 85, 87
119	14.03	31	58, 74
119	14.04	31	58, 82
119	14.05	31	61, 82
119	14.06	31	58, 61, 66, 82
119	14.07	31	58, 61, 64, 68, 73, 82
119	14.08	31	58, 61, 62, 70, 82, 85, 86
119	14.09	31	58, 73, 81
119	14.1	31	58, 60, 61, 64, 68, 74, 75, 77, 79, 81
119	14.11	31	58, 61, 64, 68, 73, 74, 79
119	14.12	31	58, 59, 60, 64, 67, 68 71, 73, 75, 76, 79, 83
119	14.13	31	58, 64
119	14.14	31	62, 69, 73
119	14.15	31	58, 64
119	14.16	31	58, 59, 61, 62, 68, 69, 70, 73, 74, 82, 84, 85
119	14.17	31	61
119	14.18	31	58, 61, 68, 73, 75
119	14.19	31	59
119	14.2	31	60
119	14.21	31	59
119	14.22	31	80
119	14.23	31	50, 51, 81
119	14.24	31	79, 80
119	14.25	31	67, 77, 79
119	14.26	31	75, 77, 79
119	14.27	31	68, 69, 74, 75, 86
119	14.28	31	58, 61, 62, 63, 66, 71
119	14.29	31	61, 62, 63, 66, 71
119	14.3	31	61, 62, 63, 66, 71
119	14.31	31	61, 64, 65, 66, 75, 76
119	14.32	31	64, 66, 73, 82, 86
119	14.33	31	61, 64, 66, 73, 82, 86
119	14.34	31	68, 70, 82
119	14.35	31	68, 82
119	14.36	31	61, 62, 70, 85
119	14.37	31	61, 62, 63, 64, 66, 70, 86
119	14.38	31	61, 69, 70, 72, 73, 84
119	14.39	31	58, 62, 64, 68, 69, 70, 73, 82
119	14.4	31	58, 61, 62, 65, 68, 70, 74, 83
119	14.41	31	61, 62, 64, 69, 82
119	14.42	31	68, 74, 84
119	14.43	31	73, 86
119	14.44	31	58, 68, 73, 83, 86
119	14.45	31	58, 61, 83
119	14.46	31	50, 58, 61, 62
119	14.47	31	76, 84, 85
119	14.48	31	84
119	14.49	31	84, 85
119	14.5	31	84, 85
119	14.51	31	84, 85
119	14.52	31	76, 84, 85
119	14.53	31	85
119	14.54	31	63, 83
119	14.55	31	74, 83
137	145.1	31	61, 62, 69, 70, 78, 86
137	145.2	31	61, 62, 64, 69, 70
137	145.3	31	61, 62, 63, 69, 70, 78
137	145.4	31	61, 62, 69
137	145.5	31	61, 62, 69, 70
137	145.6	31	61, 68, 69, 70
137	145.7	31	61, 62, 69, 70
155	35.1	31	51
155	35.2	31	51
155	35.3	31	57
155	35.4	31	57
155	35.5	31	57
155	35.6	31	57
155	35.7	31	57
220	17.1	31	54
220	17.2	31	54
220	17.3	31	54
289	1.5	289	1, 17

IN THE DEFINITIONS:

7. Compound Tools

In subclass 14.1, add:

Search Class—
289—TYING CORDS OR STRANDS, subclass 17, for combined hand knotters and cutters.

In subclass 14.2, cancel "(1) Note", and "(2) Search Class", and the reference to Class 30, and substitute:

Search Class—
30—CUTLERY, subclasses 3+, for can openers per se, 6.3 for can openers with spout formers, and 6.5 for can openers combined with other cutlery.

15. Brushing, Scrubbing, and General Cleaning

In subclass 339, add:

Search Class—
30—CUTLERY, subclass 124+, especially subclass 133, for shears combined with material disposal by suction.

16. Miscellaneous Hardware

In subclass 137, add:

Search Class—
292—CLOSURE FASTENERS, subclass 300+, for devices not forming an attachment to or a part of a hinge, comprising rigid means on the closure member for engaging rigid means on the casing, such as undercut grooves, screw threads and bayonet joints.

17. Butchering

In subclass 44, add:

Search Class—
211—SUPPORTS, RACKS, appropriate subclasses, for plural supporting means disclosed for meat where the rack is of general utility and does not include means relating the rack to butchering, as, for example, by means for shaping, marking, or by means for preventing detrimental effects during processing.

19. Textiles, Fiber Preparation

under the class definition, add:

(1) Note.—For purely chemical treatment directed to fiber liberation, or for combined mechanical and chemical treatment for the same purpose, see Class 92, PAPER MAKING AND FIBER LIBERATION.

29. Metal Working

In subclass 235, under "Search Class", cancel the reference to Class 31, and insert:

119—ANIMAL HUSBANDRY, subclass 14.47+, for teat cup structure.

30. Cutlery

In the class definition, under "Notes", Section (1) Knives, second paragraph, cancel "subclass 123" and insert *subclasses 6.5+ and 123.*

In subclass 3 in "(2) Note", change "142+" to *6.5*; cancel "(5) Note"; under "Search this class, subclass", cancel the reference to 142+ and insert *6.5, see (2) Note above*; under "Search Class", in the reference to Class 7, cancel "and see (5) Note above", and in the reference to Class 220, after "47+", insert *especially subclass 51*, and after "receptacle", cancel the remainder of the sentence and substitute:

or combined with claimed structure for fastening the device to the can so that the cutters may be capable of repeated use as a closure for the opening formed thereby.

establish the following subclass definition:

5.5. Cutters under subclass 3 which have one or more blades, the cutting edges of which lie in a surface similar to, and slightly smaller than the can end, which edges form one or more elongated cuts along the edge of the can end by a cutting movement substantially at right angles to the can end.

Search this class, subclass—
6.1 and 16—for other can openers of the push or punch type.
315—and the notes thereto, for other cutters of the push or punch type.

In subclass 6, in the definition, before the period, add *or have a plurality of independently cutting blades*; cancel "(1) Note"; in "(2) Note", change "142" to *6.5*; and cancel "Search this class, subclass" and the reference thereunder.

establish the following subclass definitions:

6.1. Cutters under subclass 6 wherein all blades operate by a cutting movement substantially at right angles to the can end being cut.

Search this class, subclass—
5.5 and 16—for other can openers of the push or punch type.
315—and the notes thereto, for other cutters of the push or punch type.

6.3. Cutters under subclass 3 having means (1) either inherent in the structure of the cutter or (2) combined therewith, which deform or bend the material of the can to form pouring spouts.

6.5. Cutters under subclass 3 combined with a cutlery implement.

(1) Note.—Combinations including tools other than cutlery implements are found in Class 7, COMPOUND TOOLS, especially subclass 14.2+.

Search this class, subclass—
142—and see the notes thereto, for other combined cutlery.

Search Class—
7—COMPOUND TOOLS, subclass 14.2 and see (1) Note, supra.

in subclass 16, cancel "or more holes are" and substitute *hole is*, and cancel "(1) Note" and "(2) Note", and under "Search this class, subclass", cancel the reference to subclass 6, and add:

5.5—for peripheral push or punch type can openers.
6.1—for plural push or punch type can openers.
315—and the notes thereto, for other cutters of the push or punch type.

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 119+, for hand manipulable punches.

in subclass 123, under "(5) Search the following classes", in the reference to Class 220, cancel "the can or closure" and substitute:

claimed structure for fastening the opener to the can so that the cutters may be capable of repeated use as a closure for the opening formed thereby.

in subclass 133, add:

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+, for devices for the purpose of dislodging and/or removing unwanted foreign material from a work piece or work surface by contact with a draft of air, steam, or equivalent gaseous fluid.

in subclass 142, add:

Search this class, subclass—
6.5—for can openers combined with other cutlery.
34—for razors combined with other cutlery.

in subclass 315, in the note, before "16", insert *5.5, 6.1,*.

31, Dairy

in the class definition, after "butter-workers", cancel "milk pails especially . . . milking machines, and", and under "Search Class", add in numerical order:

119—ANIMAL HUSBANDRY, subclass 14.01+, for milking machines and methods of milking cows.
155—CHAIRS AND SEATS, subclass 35.3+, for milker stools combined with pail supporting means.

in the reference to Class 210, cancel the period, and add *in combination with milk pails.*

in the reference to Class 220, change the period to a comma, and add:

and especially subclass 17.1+, for leg or lap supported pails.

abolish the definitions and notes of subclasses 50 to 87, inclusive.

46, Amusement Devices, Toys

in subclass 113, add:

Search this class, subclass—
216+—for toy railways in general.

56, Harvesters

in subclass 6, cancel the definition and substitute:

6. Devices under the class definition comprising two or more similar cutting units each comprising a cutter and frame or mounting means, which units are connected together and operated as a single machine.

Search this class, subclass—
234+—for hedge or plant row trimmers having a plurality of cutters.
238—for cutting devices which make successive cuts at different heights.
251—for rotating cutting reels having an auxiliary cutter.

in subclass 192, cancel the definition and substitute:

192. Machines under the class definition having means for cutting growing crops and means for catching the material as it is cut and discharging it in a windrow. Included here are windrowing attachments for the cutter-bar of a harvester.

in subclass 294, add:

Search this class, subclass—
26—for motor operated and/or mounted reel type cutters.
249+—for harvester type combinations including a rotating cutting reel.

in subclass 370, after "drying", insert:

or for turning windrows of curing hay or analogous material.

in subclass 372, cancel the definition and search note, and substitute:

372. Machines under subclass 370 in which the teeth or other scattering or turning means rotate around an axis which extends transversely or diagonally of the machine.

Search this class, subclass—
366 and 367—for similar machines convertible to rakes.

60, Power Plants

in subclass 54.5, under "Search Class", cancel the reference to Class 31, and add in numerical order:

119—ANIMAL HUSBANDRY, subclass 14.27+, for pulsators used with milkers.

and in the reference to Class 137, change the period to a comma, and add:

and subclass 145.1+, for milker type pulsators per se.

68, Textiles, Fluid Treating Apparatus

in subclass 241, cancel the definition and notes, and substitute:

241. Devices under the class definition, commonly called wringers, comprising mechanical means for pressing or otherwise removing liquid from treated material, especially as an adjunct to apparatus of this class.

(1) Note—This subclass is the generic place for stripping liquid from a strand by drawing it past a corner or edge.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 102, for wiping machines for non-textile sheets, bars and plates; subclass 236, for miscellaneous hand scrapers; subclass 256.6, for scraper, wiper or brush attachments for cleaning a moving strand, the device being attached to a structure of which the moving strand is a part; and subclass 260+, for wringer devices adapted to be attached to a pail to wring out mops.
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for drying by heat and/or gas or vapor contact, and especially subclass 14, for processes for removal of liquids from solids mechanically; subclass 69+ for apparatus for drying having diverse types of drying means, including one mechanical means, especially subclass 70, for devices in which the mechanical means is a wringer; and subclass 151+, for drying mechanism for flexible strands.
91—COATING, subclasses 20, 22, 24, 30, 32, 33, and 35, for coating apparatus combined with scrapers; and subclass 53, for scraper type coating apparatus.
100—PRESSES, especially subclasses 35–49, for devices for extracting juice by pressure from material which may include fibers and pulp. Fluids may be added to promote the removal of the substance to be extracted.
242—WINDING AND REELING, subclass 157+, for strand guides for winding and reeling mechanism.

73, Measuring and Testing

in subclass 300, change "a body of fluent material" to *the liquid.*

74, Machine Elements and Mechanisms

in subclass 241, under "Search Class", insert:

196—CONVEYERS, POWER DRIVEN, subclass 202, for guides limited in use for aligning or centering a conveyer belt on its support.

in subclass 625, under "Search Class", add:

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 2, for combined controlled electric motors and manual operators for actuating one or more common load devices.

in subclass 774, insert:

(1) Note.—The line between this subclass and Class 192, CLUTCHES AND POWER-STOP CONTROL, subclass 61, is set forth in (1) Note to that subclass (192–61).

and under "Search Class", add:

192—CLUTCHES AND POWER-STOP CONTROL, subclass 61, and see (1) Note, above.

77, Boring and Drilling

in the class definition, cancel the note, and substitute:

Search Class—
29—METAL WORKING, subclass 33+, for machines adapted to perform a plurality of operations upon metal which operations are not comprised in any one of the various specific metal-working classes, particularly subclass 26, for combined machines adapted to perform various functions, such as drilling, boring, milling, etc., in which the mechanisms for adjusting and operating the drilling or boring mechanism are the dominant features, and subclass 31, for combined machines comprising vises to which are attached drills, punches, cutters, etc.
30—CUTLERY, subclass 347, for cutlery blades which are so constructed as to be rotated during the cutting operation and see the notes thereto for other rotary blade implements and machines.
32—DENTISTRY, subclass 23+, for devices relating to arrangements of apparatus for applying power to operations relating to the treatment of teeth and their replacement, usually through flexible cables or combination of motor connections and operated tools and subclass 48, for dental cutter such as burrs, drills and the like driven by rotary power.
79—BUTTON MAKING, appropriate subclasses, particularly subclass 6, for combined machines for surfacing and drilling pearl or composition buttons, and subclasses 11 through 14, for machines for drilling holes in pearl and composition buttons, and subclass 15+, for machines for cutting and sizing button blanks by means of a saw, particularly subclass 16, for those using a tubular saw.
125—STONE WORKING, subclass 20, for devices for disk cutting by sawing a cylindrical kerf by rotary movement of a saw in a closed path around the periphery of the disk.
144—WOODWORKING, appropriate subclasses, particularly subclasses 15, for wheel tenoning and boring, 17 for wheel felly boring and sawing, 20 for disk cutting and boring combined, 21+ for disk cutting, 35 for boring and sawing combined, 45 for tenoning and boring, 46 for turning and boring, and 92+ for boring.
145—WOODWORKING TOOLS, appropriate subclasses, particularly subclass 60.5, for bit frames which have a plurality of bits mounted on a frame and geared together, subclasses 66–74, for bit stocks for driving bits, screw drivers and the like comprising a stock in which the bit is mounted, a lever for producing rotation, and a knob or the like to which pressure can be applied, and subclasses 116–128, for rotating bits designed to bore holes in wood.
255—EARTH BORING, appropriate subclasses, for forming holes of relatively small diameter in the earth, particularly subclass 46+, for rock drilling machines having means to give the tool rotation for the cutting operation.
262—MINING, QUARRYING AND ICE HARVESTING, appropriate subclasses, particularly subclass 22, for implements other than hand manipulated implements having a rotary drilling cutter or tool and especially adapted to drill either a series of holes to form a kerf or closely arranged tools which will serve the purpose of a kerf, and subclass 33, for tools or parts of tools adapted for use in implements for mining.
300—BRUSH, BROOM, AND MOP MAKING, subclass 3, for devices for drilling holes in brush backs and setting bunches, mops, or tufts of bristles in the holes to form a brush.

cancel the unnumbered subclass "Boring Machines", preceding subclass 1, and the unnumbered subclass "Drilling Machines" preceding subclass 5.

in subclass 1, add:

(1) Note.—Boring machines enlarge rough holes, that is, holes previously cored or forged, as distinguished from drilling machines in which the tool makes a hole in solid material. A further distinction, of degree only, is that boring machines produce holes much larger in cross section than do drilling machines.
(2) Note.—Either work or tool may rotate.

in subclass 5, add:

(1) Note.—Drilling machines produce holes in solid material, usually by means of a rotating end-cutting tool.

81, Tools

in subclass 129, cancel the definition and substitute:

129. Wrenches under subclass 53 having one or more sliding jaws.

in the unnumbered subclass following subclass 165, in the definition, insert the word *rotatable* before "nut".

in subclass 172, cancel the definition, and substitute:

172. Wrenches under subclass 170, in which the exteriorly threaded member comprises a shaft portion having a spiral groove which is engaged by a projection on a slidable actuator, the actuator being manually reciprocated in a path parallel to the longitudinal axis of the handle to rotate said threaded member.

(1) Note.—The actuator may form the slidable jaw.

99, Foods and Beverages

in subclass 259, in "(1) Note", change the period to a comma and add:

and Class 211, SUPPORTS, RACKS, appropriate subclasses.

111, Planting

in the class definition, first sentence, after "poison" insert a comma.

116, Signals and Indicators

in the class definition:

in "(1) Note", change the words "(1) Note" to read *IV*, and make the paragraph coordinate with paragraph III.
in "(2) Note", change the words "(2) Note" to read *V*, and make the paragraph coordinate with paragraph III.
in "(3) Note", change the words "(3) Note" to read *VI*, and make the paragraph coordinate with paragraph III.
in "(4) Note", change the words "(4) Note" to read *VII*, and make the paragraph coordinate with paragraph III.
in "(5) Note", change the words "(5) Note" to read *VIII*, and make the paragraph coordinate with paragraph III.

and under "Search Class", cancel the references to Classes 35, 40, 42, 46, 52, 177, 178, 179, 181, 235, 246, 250, 274, and 343, and substitute in numerical order:

35—EDUCATION, subclass 14, for devices for teaching the art of signaling such as telegraphy or wigwagging (see paragraph VI above for the line between Class 35 and Class 116).
40—CARD, PICTURE, AND SIGN EXHIBITING (see paragraphs III and VI for the line between Class 40 and Class 116).
42—FIREARMS, for producers of sound per se (see paragraph VII for the line between Class 42 and Class 116).
46—AMUSEMENT DEVICES, TOYS, has visual and audible devices whose purpose is for amusement or recreation, but not working models, or devices, even though called toys, which if made of sufficient size would be operative devices of the kind found in other classes. Mouth operated devices for producing sound are in Class 46, except where the device is used in producing music (see paragraph VII above for the line between Class 46 and Class 116).
52—EXPLOSIVE, PYROTECHNIC AND MATCH COMPOSITIONS (see paragraph VII for the line between Class 52 and Class 116).
177—ELECTRIC SIGNALING, for electric signals (see paragraphs V and VI for the line between Class 116 and Class 177).
178—TELEGRAPHY, for signals and indicators limited to use in telegraph systems or apparatus (see paragraphs V and VI for the line between Class 178 and Class 116).
179—TELEPHONY, for signals and indicators limited to use in telephone systems or apparatus (see paragraphs V and VI for the line between Class 116 and Class 179).
181—ACOUSTICS, subclass 17, for devices used to mechanically amplify sound (see also paragraphs VI and VII for the line between Class 181 and Class 116).
235—REGISTERS, for signals, indicators or alarms associated with calculating or registering equipment (see paragraph VI for the line between Class 116 and Class 235).
246—RAILWAY SWITCHES AND SIGNALS, for railway signals (see paragraph VI for the line between Class 116 and Class 246).
250—RADIANT ENERGY, for signaling by means of radio waves (see paragraphs V and VI for the line between Class 116 and Class 250).
274—SOUND RECORDING AND REPRODUCING, for signals, indicators, and alarms associated with sound recording or reproducing devices (see paragraph VII for the line between Class 116 and Class 274).
343—COMMUNICATIONS, RADIANT ENERGY, for radar signaling systems (see paragraphs V and VI for the line between Class 116 and Class 343).

in subclass 151, add:

Search Class—
121—MOTORS, EXPANSIBLE-CHAMBER TYPE, for expansible-chamber type motors intended to operate bells. Where any significant structure of the bell operated by the motor is claimed, the patent is provided for in Class 116. Merely reciting the bell by name only or stating that the bell has a striker movable into and out of engagement with the bell is not considered significant structure such as would exclude patents from Class 121. A recitation that the bell is mounted so as to be swung or is provided with crank means for moving the bell is considered to be sufficient structure to cause classification in Class 116.

117, Coating: Processes and Miscellaneous Products

In subclass 33.22 under "Search Class", in the reference to Class 148, change "based" to *basca*.

119, Animal Husbandry

In the class definition, second paragraph, after "treat" cancel "and (2)", and substitute:

(2) methods of and apparatus for obtaining milk from cows, and (3)

and before "Search Class", insert:

SECTION I. MILKERS

(1) Note.—Class 60, POWER PLANTS, has pulsators distinguished from Class 119 and Class 137, WATER DISTRIBUTION, pulsators or fluid distributors in that the former do not relate to through-flow mechanisms but rather effect the pulsing of a confined body of fluid, the same body of fluid, for example, operating upon a pressure responsive mechanism. Milking machine pulsators are broadly construed as valving arrangements which cyclicly control fluid flowing under pressure and not involving the same body of fluid.

Search Class—

31—DAIRY, for apparatus and processes relating to the production of dairy products, butter-workers, milk-treating apparatus and cheesemaking apparatus.

54—HARNESS, for girth or surcingle devices not restricted by utility to milking organizations.

60—POWER PLANTS, and see (1) Note above.

62—REFRIGERATION, for cooling or refrigerating apparatus in which milking apparatus is identified by name only.

99—FOODS AND BEVERAGES, for processes of preserving milk by heat treatment, chemicals, gases, and including carbonation and processes of preserving milk by sealing in containers in the presence of air, an inert gas, or under vacuum.

103—PUMPS, for devices per se for pumping fluids, having a relatively movable member and a relatively stationary member comprising a chamber and a contained impeller, the relative movements of which cause fluid from a source of supply to enter the chamber through an induction port and to be impelled therefrom through an eduction port, said ports in general being valved, and general utility pump elements. "Pump elements" of this class (119) permit through flow of fluids but lack, in general, valving ingress except that provided by the nature of the cow being milked. Super-atmospheric pressure is thereby utilized to discharge the fluid through the eduction port and to simultaneously relieve the negative pressure beyond the induction port.

116—SIGNALS AND INDICATORS, for mechanical devices for giving signals of the nature of either alarms or indicators including milking apparatus where the milking apparatus is included by name only and is not modified in order to cooperate with the signal mechanism.

121—MOTORS, EXPANSIBLE-CHAMBER TYPE, for uncombined prime movers for converting the energy of a pressure fluid into mechanical work. Teat cups and teat compressors are not considered as motors of the type contemplated by Class 121.

128—SURGERY, for catheters combining a treating function and a milking function or treating function per se. The catheters of this class (119) are disclosed for milking only.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for apparatus for cleaning milking equipment involving liquid contact, such apparatus not including additional means for some milking function.

137—WATER DISTRIBUTION, (a) for general utility valving devices for cyclicly or periodically controlling pressure fluids even though known as and called "milking machine pulsators" except where such devices are modified by features restricting the said device to a milking function. Modified pulsators adapting them to be mounted or supported upon a receiver cover or wall, for example, where no more than is necessary for performing a supporting function is included, is not sufficient to place the patent in this class (119). See (1) Note above; (b) for tanks having general utility filling or discharging characteristics for handling milk; (c) for general utility valves combined with other structure not provided for elsewhere, e. g., for general utility valves combined with a receiver cover where only so much of the cover is recited as to provide a seat for the valve; (d) for systems of fluid handling of general utility; and (e) for valve actuation not related to the elements of a milking system, and especially fluid pressure responsive devices, e. g., vacuum cutoffs of general utility.

155—CHAIRS AND SEATS, for milking stools combined with pail supports.

161—TIME-CONTROLLING MECHANISM, for the combination of timers and milking apparatus, excepting those claiming characteristics of the said apparatus in addition to those necessary to the functioning of the timer.

173—ELECTRICITY, CONNECTORS, for means establishing combined pneumatic and electric connections for milking machines.

175—ELECTRICITY, GENERAL APPLICATIONS, for electromagnetic make and break circuits for milking machine electromagnetic controls.

177—ELECTRIC SIGNALING, for signaling devices including those claiming the combinations with milking apparatus by name only.

210—LIQUID SEPARATION OR PURIFICATION, for milking pails combined with strainers or filters for either the inlet or outlet, or both.

220—METALLIC RECEPTACLES, for milk pails and cans and for leg and lap supported pails.

222—DISPENSING, for milk pails having a spout, pouring lip, or other material pouring guide.

230—GAS PUMPS AND FANS, for devices particularly adapted and designed to exhaust or compress elastic or compressible fluids not otherwise specifically provided for in existing classes. The line followed between this class (230) and Class 119 is, in general, as stated in the line with Class 103 in the search note to that class, above. (For a statement of the line between Class 230 and Class 137, see (8) Note in the main class definition of Class 230.)

248—SUPPORTS, for general supports for milking elements, pails and cans not limited by structure to use in milking operations.

257—HEAT EXCHANGE, for heat exchange apparatus in which milking apparatus is identified by name only.

284—VALVED PIPE JOINTS OR COUPLINGS, for stall cocks and vacuum line connections, per se.

SECTION II. MISCELLANEOUS

establish the following subclass definitions:

14.01. Methods and apparatus under the class definition peculiarly designed for extracting milk from cows by force exerting or manipulative devices, and including ancillary devices, not provided for in other classes, associated with and collateral to milk extracting apparatus.

Search Class—

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 236, for teat cup cleaning implements having a hard blade-like or scraping edge.

31—DAIRY, appropriate subclasses, for apparatus and processes relating to the production of dairy products.

73—MEASURING AND TESTING, subclass 61, for sediment type milk testers, and subclass 421+, for devices for obtaining samples, usually either of absolute volume or of a predetermined ratio to the source from which the sample is taken.

74—MACHINE ELEMENTS AND MECHANISMS, subclass 20+, for drives for mechanical milking machines.

88—OPTICS, subclass 14, for lactometers and visual inspecting means for detection of abnormal milk, e. g., strip cups.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses, for such subject matter, and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

137—WATER DISTRIBUTION, subclass 153, for fluid pressure responsive devices, e. g., vacuum cutoffs of general utility, and subclass 145.1+, for pulsators and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

138—PIPES AND TUBULAR CONDUITS, subclass 37+, for flow restrictors and regulators including variable restrictors.

183—GAS SEPARATION, especially subclass 75+, for deflection type separating means peculiarly adapted for separating a gaseous fluid from a mixture of gas and liquid as, for example, in a vacuum or milk line.

210—LIQUID SEPARATION OR PURIFICATION, subclass 149+, for strainers adapted to separate some character of material from a liquid, especially subclass 177+, for such apparatus involving pressure means.

14.02. Methods under subclass 14.01 of extracting milk from cows and/or of obtaining milk directly from the cow under controlled conditions.

Search Class—

99—FOODS AND BEVERAGES, appropriate subclasses, for milk preservation and treatment, and see the appropriate search class notes in Section I of the main class definition of this class (119) for a statement of the line.

14.03. Structural arrangements under subclass 14.01 designed for sequential treatment of animals for purposes of conducting and facilitating milking, for milking or for milking in combination with other dairy operations, e. g., milk delivery, animal feeding, washing, exercising and the like.

Search this class, subclass—

14.05+, for milk releasers not involving milking parlor structure.

15+ and 147+, for mere housing and confining or stanchion devices.

Search Class—

173—ELECTRICITY, CONNECTORS, subclass 326, for pipe couplers.

284—VALVED PIPE JOINTS OR COUPLINGS, appropriate subclasses, for stall cocks and conpections per se.

14.04. Arrangements under subclass 14.03 including a moving platform on which the animal is carried while being milked, etc.

Search Class—

20—WOODEN BUILDINGS, subclass .8, for turntable devices for motor vehicles combined with servicing means and stations for operating on vehicles carried by the platform.

14.05. Milkers under subclass 14.01 having means to discharge milk from the milker apparatus during continuous milking while maintaining the milk conveying fluid pressure in the milker without interruption.

(1) Note.—Trap valve milkers, subclass 14.32+, operating on a pressure-vacuum cycle, discharging milk to atmosphere or to a receiver, are not considered as apparatus maintaining fluid pressure without interruption.

Search this class, subclass—

14.32+, see (1) Note above.

Search Class—

137—WATER DISTRIBUTION, subclass 21+, for milk receivers having general utility filling and discharging means.

222—DISPENSING, appropriate subclasses, for trap type dispensers where the trap is permanently connected to a source of supply and where the supply does not depend upon a milking operation.

14.06. Releasers under subclass 14.05 having plural separate receivers which are alternately filled and which alternately discharge their contents to the atmosphere.

Search Class—

226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 116, for filling portable receptacles under vacuum in a continuous milk delivery system where the receptacle is not a permanent part of the system, e. g., transport can.

14.07. Releasers under subclass 14.05 having means to vary pressures in the releaser apparatus cyclicly to effect intermittent discharge of the milk.

14.08. Apparatus under subclass 14.01 claiming some character of automatic control.

(1) Note.—By automatic control is meant the provision of *means* to sense a condition (for example, means to sense stoppage of milk flow) which means causes operation of a control device.

(2) Note.—The above definition is intended to exclude valves, check valves, and safety valves directly operated by gravity, inertia, or fluid, but includes float valves which interdependently perform sensing and control functions.

Search this class, subclass—

14.05+—for cyclicly operated milk releasers including float valves.

14.44—for fluid pressure regulators.

Search Class—

137—WATER DISTRIBUTION, subclass 153, for fluid-pressure responsive devices having some character of automatic control.

14.09. Apparatus under subclass 14.01 claimed in combination with means to cool the milk during its delivery from the cow to a milking machine receiver or upon delivery to the milking machine receiver.

Search this class, subclass—

14.18—for apparatus involving a combined milking and receptacle filling function.

Search Class—

31—DAIRY, subclass 4, for aerators and coolers.

62—REFRIGERATION, appropriate subclasses, for refrigerating apparatus and see the search class note of Section I of the main class definition of this class (119) for a statement of the line.

99—FOODS AND BEVERAGES, subclass 213, for preservation of milk by treatment with chemical gases.

226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 70, for filling of portable receptacles involving cooling.

257—HEAT EXCHANGE, appropriate subclasses, for heat exchange apparatus and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

14.1. Milkers under subclass 14.01 combined with means which carry the weight of the milking apparatus while the animal is milked; the means may be installed or portable.

Search this class, subclass—

14.27+—for pulsators, traps and pumps supported on a receiver or wall.

Search Class—

103—PUMPS, subclass 218, for pump supports.

155—CHAIRS AND SEATS, subclass 35.1+, for milking stools.

220—METALLIC RECEPTACLES, subclass 17.1+, for lap or leg supported pails and appropriate subclasses for milk cans.

248—SUPPORTS, appropriate subclasses, for supports for milking elements, pails, and cans not limited by structure to use in milking operations.

14.11. Milker supports under subclass 14.1 provided with means for conveyance.

Search Class—

230—GAS PUMPS AND FANS, subclass 33+, for pumps combined with vehicle.

14.12. Girth suspensory type apparatus under subclass 14.1 which supports the milker from the back of the animal.

Search Class—

54—HARNESS, subclass 23, for girth or surcingle devices per se not restricted in utility to milking organizations.

14.13. Supports under subclass 14.1 with means in addition to the effect of gravity to exert a force on the milker to effect a pull on the teat cups.

Search this class, subclass—

14.18—for milkers combined with udder manipulative and teat cup biasing means.

14.14. Milkers under subclass 14.01 having means for indicating a condition (or lack thereof) or performing a measuring function during the milking operation.

Search Class—

116—SIGNALS AND INDICATORS, and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

161—TIME-CONTROLLING MECHANISM, subclass 7, for timers for this purpose, including those claiming the combination with milking apparatus by name only.

177—ELECTRIC SIGNALING, subclass 311, for alarms.

14.15. Devices under subclass 14.14 which indicate a fluid flow condition or lack thereof.

Search Class—

116—SIGNALS AND INDICATORS, subclass 117, for fluid flow indicators.

14.16. Devices under subclass 14.15 having flow sight inspection means variously located in the apparatus, through which the flow of milk can be observed.

Search Class—

222—DISPENSING, subclass 154+, for inspection devices for dispensers, especially subclass 159, for transparent flow line sections.

14.17. Devices under subclass 14.14 which indicate a quantitative condition in the milker.

Search Class—

73—MEASURING AND TESTING, subclasses 290+ and 426+, for volume determining devices, and subclass 194+, for volume or rate of flow meters.

14.18. Milkers under subclass 14.01 claimed in combination, with features other than receiver, pump, teat cups or pulsator structure, and supports therefor, including non-use supports, and not provided for above.

(1) Note.—In this subclass, for example, are combinations with traction applying or teat supporting devices, filling, udder stimulation as by electric current or massage, strippers, air or milker washing apparatus, and fluid-pressure stabilizer.

(2) Note.—All preceding subclasses must be investigated for particular combinations within this definition and shown by the preceding subclass titles.

(3) Note.—Milkers in name only combined with subject matter outside the class definition are classified with the class providing for such subject matter.

14.19. Milkers under subclass 14.01 having a tubular device, dilator or conduit to be inserted in the teat canal whereby milk is drawn off.

14.2. Catheter milkers under subclass 14.19 including vacuum means to assist in the withdrawal of milk.

14.21. Catheters under subclass 14.19 claiming the tubular or conduit-like device per se.

Search Class—
128—SURGERY, subclass 348 +, for catheters having a treating function and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

14.22. Milkers under subclass 14.01 in which the hand of the operator directly supplies force to the teat compressing means without intervening linkage, and in which the hand of the operator or the means contacted by the hand of the operator surrounds the cow's teat.

14.23. Hand milkers under subclass 14.22 having a hand supported and/or manipulated conduit and/or teat cover (e. g., shield or glove-like mitt) and having a receiver for the extracted milk.

Search Class—
220—METALLIC RECEPTACLES, subclass 86, for pails with inlets modified to receive the milk while milking.

14.24. Milkers under subclass 14.01 in which the teats are compressed by mechanical squeeze mechanisms such as plates, cams, rollers and the like, or by fluid pressure means with mechanical intervention and having means for actuating such mechanisms.

(1) Note.—The actuating means may consist of a drive shaft, hand lever or crank, foot crank, fluid or the like.

14.25. Milkers under subclass 14.24 having vacuum means to convey the extracted milk to a receiver.

14.26. Milkers under subclass 14.24 in which the squeeze mechanism is operated by pulsing fluid.

Search Class—
60—POWER PLANTS, subclass 54.5 + for devices effecting the pulsing of a confined body of fluid.
137—WATER DISTRIBUTION, subclass 145 +, for pressure fluid controlling devices per se, and see (1) Note and the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.

14.27. Milkers under subclass 14.01 in which the teats are compressed by fluid pressure directly applied to the teats without mechanical intervention, and having means cyclicly controlling said fluid pressure.

Search Class—
60—POWER PLANTS, subclass 54.5 +, for devices effecting the pulsing of a confined body of fluid and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.
137—WATER DISTRIBUTION, subclass 145 +, for pressure fluid controlling devices per se, and see (1) Note and the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line.
138—PIPES AND TUBULAR CONDUITS, subclass 37 +, for flow regulators (pulsing timers) combined with pulsators in name only.
188—BRAKES, subclass 97, for fluid braking mechanisms, e. g., fluid dashpots for pulsators.
251—VALVES, subclass 91 +, for rotary plug regulating valves combined with pulsators in name only.

14.28. Milkers under subclass 14.27 in which the fluid control means is electromagnetically operated.

Search Class—
137—WATER DISTRIBUTION, subclass 139 +, for electromagnetic valve actuators.
173—ELECTRICITY, CONNECTORS, subclass 326, for combined pneumatic-electric pipe couplers.
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 335, for electromagnetic make and break circuits for milkers.
200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 53, for valves combined with circuit makers and breakers.

14.29. Milkers under subclass 14.27 in which a primary or master pulsator establishes a pulsing fluid line which drives a secondary pulsator to cyclicly control fluid pressure on the teats.

(1) Note.—Patents claiming a pulsing fluid line in combination with a secondary or driven pulsator are in this and indented subclasses.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, appropriate subclasses, and especially subclass 501 +, for drives applicable to this subject matter.

14.3. Milkers under subclass 14.29 having some means usually in the form of check valve which is operated by the pulsing fluid line to derive therefrom a source of continuous vacuum.

(1) Note.—The continuous vacuum is generally maintained in a receiver and is applied to the milk channel of the teat cup.

14.31. Milkers under subclass 14.27 including a sectionally collapsible teat compressor and having means to effect progressive or sectional collapse thereof.

Search this class, subclass—
14.24 + —for mechanical compression milkers having progressive collapse features.
14.52—for sectionally collapsible teat compressor or cup per se.

14.32. Milkers under subclass 14.27 having a cyclicly vacuumized chamber, including a milk port, a pressure port and a valved discharge port; the milk is drawn into the chamber on the vacuum cycle and discharged therefrom through the discharge port during the pressure cycle.

(1) Note.—The milk conveying pressure fluid is cyclicly interrupted in contradistinction to the subject matter of subclass 14.05 above.

(2) Note.—For a statement of the line between the subject matter of this subclass and classes 60, 103 and 230, see the Search Class notes to these classes in Section I of the main class (119) definitions.

Search this class, subclass—
14.05—for milker releasers maintaining the milk conveying fluid pressure without interruption. See (1) Note.
14.42—for trap type pumps into which the milk is drawn and from which it is discharged.

Search Class—
103—PUMPS, appropriate subclasses, particularly subclass 234 +, for pumps in which valved ingress and valved egress provide through flow of fluids.
251—VALVES, subclass 114 +, for valves per se applicable to the trap chamber of this subclass.

14.33. Milkers under subclass 14.32 provided with means for preventing the egress of milk or milk vapor through the pressure port.

(1) Note.—Usually baffles or filters, but arrangements for imparting a swirling motion to the milk either at the inlet or in the trap are included.

Search Class—
183—GAS SEPARATION, appropriate subclasses, for gas and liquid separators of general application.

14.34. Milkers under subclass 14.32 having a plurality of valved trap chambers.

14.35. Milkers under subclass 14.34 having a single valve means supported between a pair of chambers so as to alternately close the discharge port of one of the chambers while the other discharge port is opened.

14.36. Milkers under subclass 14.27 having a milk conveying conduit provided with means to admit air behind the milk (e. g., at the claw or teat cup) so as to prevent surging or churning of the milk in its flow to a receiver, to relieve pressure on the teat, or to cause the cow to let down the milk more freely.

14.37. Milkers under subclass 14.27 having the fluid control means intimately associated with the teat-compressor coupling or claw.

Search this class, subclass—
14.29 + —for pulsator combined with claw in series with a master or primary pulsator or with a pulsing fluid line.

14.38. Milkers under subclass 14.27 having the fluid control means intimately associated with the teat compressor.

14.39. Milkers under subclass 14.27 having the fluid pressure control associated with the cover of a receiver.

(1) Note.—Compare with subclass 14.32 above. The fluid control means of this subclass 14.39 is distinguished from the trap chamber of subclass 14.32 by the fact that the control does not trap the milk and discharge it therefrom. The control in one position permits through vacuum and milk flow from the teat cup to the receiver and in an alternate position permits atmospheric air to relieve the pressure on the teat cup but does not disturb the vacuum in the receiver.

Search this class, subclass—
14.32—see (1) Note.
14.46—for receiver structure modified to mount the pulsator.

14.4. Milkers under subclass 14.39 having the fluid pressure to the outer chamber of the teat compressor cyclicly controlled and having uninterrupted vacuum applied to the interior portion of the teat compressor immediately surrounding the teat.

Search this class, subclass—
14.46—for receiver structure modified to mount the pulsator.

14.41. Milkers under subclass 14.27 having the fluid pressure to the outer chamber of the teat compressor cyclicly controlled and having uninterrupted vacuum applied to the interior portion of the teat compressor immediately surrounding the teat.

Search this class, subclass—
14.39—for combinations with two chambered teat cups where the vacuum on the interior portion of the teat compressor is cyclicly interrupted.

14.42. Milkers under subclass 14.27 in which the fluid control means is a pump, usually double acting; the milk is drawn into the pump on the vacuum stroke and expelled on the pressure stroke. Provision in the pump to completely relieve the vacuum on the teat is not required but may be included.

Search this class, subclass—
14.32 + —for trap chambers which have a milk port, a discharge port and a pressure port; the pressure port providing both pressure ingress and egress connections to a double acting air pump, and see the search notes to that subclass.
14.36—for means associated with the claw or teat cup to relieve vacuum in the line behind the milk.

14.43. Milkers under subclass 14.01 including a receiver and an air exhausing means for said receiver. Milk is drawn from the cow to the receiver under constant vacuum without cyclic control or interruption.

Search Class—
230—GAS PUMPS AND FANS, appropriate subclasses, for vacuum pumps, per se.

14.44. Devices under subclass 14.01 having means to regulate the degree and/or flow rate of pressure maintained in the milker.

Search this class, subclass—
14.06—for automatic vacuum cut-offs.

Search Class—
137—WATER DISTRIBUTION, subclass 139 +, for vacuum regulators, per se.

14.45. Milkers under subclass 14.01 having some means for securing some part of the milking apparatus in some position other than the position in which it normally functions.

Search this class, subclass—
14.1 + —for means supporting the apparatus in position while the animal is being milked.

14.46. Apparatus under subclass 14.01 having milk receiver or receptacle structure, either claimed in combination with specific milking mechanism, or restricted in utility to milking organizations.

Search this class, subclass—
14.39 and 14.4—for pulsator-receiver combinations including the teat cups.

Search Class—
73—MEASURING AND TESTING, subclass 421 +, for interposed testing sampler, per se, and subclass 426 +, for measuring vessels.
88—OPTICS, subclass 14, for lactometers and strip cups for abnormal milk detection.
137—WATER DISTRIBUTION, subclass 21 +, for tanks having general utility filling and discharging means; subclass 69, for rotary valves or check valves with other structure utilized as vapor, milk or line traps and cut-offs and see the appropriate search class note in Section I of the main class definition of this class (119) for a statement of the line; and subclass 78, for systems of fluid handling of general utility.
210—LIQUID SEPARATION OR PURIFICATION, appropriate subclasses, for receivers having filter means.
220—METALLIC RECEPTACLES, subclass 24 +, for receptacle closures, and appropriate subclasses for milk pails and cans.
222—DISPENSING, subclass 566 +, for milk pails having material pouring guide.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 29 +, for funnels; and subclass 116, for receptacles filled under vacuum.

14.47. Devices under subclass 14.01 which are applied to or receive the teats of the cow for compression thereof during the milking operation. The structure of the device per se is here involved.

Search this class, subclass—
14.22 +, 14.24 +, and 14.27 + —for teat compressors in combination with means to operate and control them.

Search Class—
29—METAL WORKING, subclass 235, for apparatus for applying teat cups to rings.

14.48. Teat cups under subclass 14.47 which have means whereby the size of the cup may be changed to accommodate various teats, or which may be adjusted to compensate for liner slack or wear, or which have features which permit a liner to be used with various shells.

14.49. Teat cups under subclass 14.48 of the conventional two chamber variety wherein the flexible liner or inflation may be separated from the shell or rigid casing.

14.5. Teat cups under subclass 14.47 having means whereby a reciprocatory action is imparted to the teat cup and/or the teat cup is so constructed as to permit one section thereof to reciprocate with respect to another section apart from mere inherent resilience of the device.

14.51. Teat cups under subclass 14.47 distinguishable by a particularized fluid conveying tubular member or members connected to the shell and/or liner, integrally formed therewith, or comprising coupling combinations therebetween.

14.52. Teat cups under subclass 14.47 having structural means whereby the nature and direction of contraction and/or flexure of the cup or liner is predetermined.

Search this class, subclass—
14.31—for sectionally collapsible teat cups in combination with means for their operation.

14.53. Teat cups under subclass 14.47 having two separate and distinct fluid chambers for separately applying fluid pressures to the teats; one pressure being applied directly to the teat channel and the other exteriorly thereof.

14.54. Devices under subclass 14.01 involving the structure of the coupling, manifold, or claw means which connects the teat cups with the pressure and/or milk lines.

Search Class—
285—PIPE JOINTS OR COUPLINGS, appropriate subclasses, for general utility pipe joints and couplings not identified as a claw or manifold for milking machines.

14.55. Claws under subclass 14.54 provided with means whereby the flow of fluid through the device may be controlled.

(1) Note.—Control is merely on or off, not cyclical for milking.

Search this class, subclass—
14.06—for automatic fluid control means combined with claw structure.
14.37—for pulsator combined with claw structure.

Search Class—
284—VALVED PIPE JOINTS OR COUPLINGS, appropriate subclasses, for general utility valved pipe joints or couplings not identified as a claw or manifold for milking machines.

In subclass 15.5, before the period, insert:

when only so much of the course construction is claimed as is necessary to position or install the animal controlling elements.

and add:

Search Class—
30—GATES, for starting gates for race tracks.
272—AMUSEMENT AND EXERCISING DEVICES, subclass 3 + for animal race tracks and animal exhibiting enclosures.

123, Internal-Combustion Engines

In subclass 65, cancel "Search this class, subclasses 49, 61 and 62.", and substitute:

Search this class, subclass—
61—for double-acting two-cycle engines having a separate and distinct supply pump.
62—for double-acting two-cycle engines in which the engine and supply pump elements are contained within a single cylinder structure.

128, Surgery

In the class definition, under "Search Class", in the reference to Class 119, change the period to a comma and add:

subclass 14.21, for milking catheters disclosed for that purpose.

In subclass 2, under "Search Class", insert in numerical order:

73—MEASURING AND TESTING, subclass 80, for devices directed to the determination of the hardness of the human eye-ball or to the pressure therein.

In subclass 280, under "Search Class", cancel the reference to Class 31, and substitute:

119—ANIMAL HUSBANDRY, subclass 14.01 +, for lacteal receptors for cows.

In subclass 348, add:

Search Class—
119—ANIMAL HUSBANDRY, subclass 14.19 +, for catheters used in a milking function.

134, Cleaning and Liquid Contact With Solids

In subclass 114, in the definition, before "seal" insert *trap*.

135, Tents, Canopies, Umbrellas and Canes

in subclass 5, under "Search Class", in the reference to Class 108, change "supported as a protective frame" to *protected as a supporting frame.*

138, Pipes and Tubular Conduits

in the class definition, before "This class includes", insert *I.*

make "(1) Note", "(2) Note" and "(3) Note" coordinate with "E".

in "(1) Note", cancel "methods of . . . and for"

and add, coordinate with "(3) Note",

(4) Note.—For tubular textile fabric for use in making hose, see Class 66, TEXTILES, KNITTING, subclass 169+, Class 87, TEXTILES, BRAIDING, NETTING AND LACE MAKING, subclasses 6 and 9, Class 57, TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses, and Class 139, TEXTILES, WEAVING, subclass 387+.

(5) Note.—For pipe cleaning, see Class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 104.03+.

(6) Note.—For apparatus for applying tubes to and removing tubes from the device with which they are associated, see Class 29, METAL WORKING, subclass 200+.

(7) Note.—For piles and fagots from which tubes are to be manufactured by an application of pressure or heat and pressure, see Class 29, METAL WORKING, subclass 185.

(8) Note.—For apparatus and processes for tapping mains, see Class 77, BORING AND DRILLING, subclass 37+.

(9) Note.—For pipe joints and couplings, see Class 284, VALVED PIPE JOINTS OR COUPLINGS, and Class 285, PIPE JOINTS OR COUPLINGS.

and add, coordinate with "I", and following "(9) Note",

II. Methods of, and apparatus for, manufacturing tubes are not classifiable in this class but are found in the various manufacturing classes.

(1) Note.—For welding tubes see Class 78, METAL FORGING AND WELDING, subclass 83+ and 94, Class 205, METAL DRAWING, subclass 9+, and Class 219, ELECTRIC HEATING, subclass 6.

(2) Note.—For processes for coating pipes, see Class 117, COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, especially subclass 94+ and Class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY.

Search Class—

18—PLASTICS, especially subclasses 5, 47, 48, and 59, for processes of making pipes of plastic materials.

22—METAL FOUNDING, subclass 16+, for molds for vertical pipes, and subclass 159, for pipe patterns.

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, especially subclasses 154 and 155, for machines for making pipes of plastic materials, and subclass 30+, for machines for making pipe of plastic blocks.

29—METAL WORKING, subclass 148.2, for processes of making hollow articles, subclass 156, for processes of making metal tubes, subclass 157, for processes of making metal gas and water pipe fittings, subclass 162, for processes of making lined pipes, and subclass 188, for processes of making compound metal tubes.

49—GLASS, subclasses 30 and 31, for the molding of glass pipes and tubes.

78—METAL FORGING AND WELDING, subclass 14, for pipe swaging, and subclass 51, for pipe riveting machines, and see II (1) Note above.

80—METAL ROLLING, subclasses 11+ and 62, for tube rolling.

93—PAPER MANUFACTURES, subclasses 77–83 and 94, for paper tube making.

113—SHEET METAL WARE MAKING, subclass 33+, for sheet metal tube making.

117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, see II (2) Note above.

153—METAL BENDING, subclass 69+, for corrugating metal tubes and subclass 79+, for metal pipe expanders and flangers.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 1 and 82, for machines and processes for applying electrical insulation linings to tubes, and subclass 5+, for laminated hose making.

164—CUTTING AND PUNCHING, SHEETS AND BARS, subclass 108, for tube punching machines.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, see II (2) Note above.

219—ELECTRIC HEATING, see II (1) Note above.

and under "Search Class", before the subclass definitions, cancel the reference to Classes 15 and 22, and in the reference to Class 20, change "(see Note 3)" to (*See I (3) Note above*).

in the reference to Class 72, change "(see Note 3)" to (*See I (3) Note above*).

in the reference to Class 189, change "(see Note 3)" to (*See I (3) Note above*).

in the reference to Class 193, change "(see Note 2)" to (*See I (2) Note above*).

in the reference to Class 198, change "(See Note 2)" to (*See I (2) Note above*).

in the reference to Class 302, change "(See Note 2)" to (*See I (2) Note above*).

in the reference to Class 61, following "abutments" add *and subclass 14+ for flumes.*

and insert in numerical order:

57—TEXTILES, SPINNING, TWISTING AND TWINING, see I (4) Note, above.

66—TEXTILES, KNITTING, see I (4) Note, above.

87—TEXTILES, BRAIDING, NETTING AND LACE MAKING, see I (4) Note, above.

139—TEXTILES, WEAVING, see I (4) Note above.

220—METALLIC RECEPTACLES, subclass 24+, for pipes with closures and plugs when not tied with the structure of the pipe or not limited by structure to use with a pipe.

284—VALVED PIPE JOINTS OR COUPLINGS, see I (9) Note, above.

285—PIPE JOINTS OR COUPLINGS, see I (9) Note, above.

154, Laminated Fabric and Analogous Manufactures

in subclass 2.21, in "(16) Note", under "Search Class", in the reference to Class 222, cancel "of which function when in such combination" and substitute *or with means which perform their function only in connection with receivers.*

155, Chairs and Seats

establish the following subclass definitions:

35.1. Stools under subclass 2 combined with some means which peculiarly adapts them for use as milking stools.

(1) Note.—Patents which do not claim combinations of stool and pail, pail support, or guards to protect the milker, for example, are not in this nor indented subclasses, but in the subclasses following this group.

35.2. Stools under subclass 35.1 comprising a pail which serves as a seat for the milker and also to receive the milk.

35.3. Stools under subclass 35.1 provided with pail supporting means along a side thereof.

Search Class—

220—METALLIC RECEPTACLES, subclass 17.1+, for leg or lap supported pails.

35.4. Devices under subclass 35.3 wherein the supporting means and/or the stool is foldable to some position other than the position in which it is normally used.

35.5. Devices under subclass 35.3 having some character of adjustment involving the stool, the support, or both.

35.6. Devices under subclass 35.5 in which the adjusting means adapts the said device for use with pails of various sizes.

35.7. Devices under subclass 35.5 in which the adjusting means includes provisions which permit the pail support to be raised or lowered.

Search this class, subclass—

35.5—for pail supports combined with stools which are swingable or extensible in a horizontal plane, or permit the pail to be tilted without vertical adjustment.

in subclass 188, under "Search Class", cancel the reference to Class 31.

188, Brakes

in subclass 78, add:

Search this class, subclass—

135+—and especially subclass 140+, for brakes, the braking action of which is due to the momentum of the machine to which the brake is applied.

192, Clutches and Power-Stop Control

in subclass 61, under the class definition, insert:

(1) Note.—Both this subclass, and Class 74, MACHINE ELEMENTS AND MECHANISMS, subclasses 751–757, 772, and 774 contain planetary units including gear pumps so arranged that when fluid flow through the pump is unrestricted, the unit slips, as the fluid flow is restricted, the unit planetates, and when fluid flow is completely shut off, the gear elements forming the pump are locked against relative rotation and the unit is locked. Where a planet pinion of the unit drives a separate gear pump, the pump, in fact, operates as a planet pinion brake, and such art will be found in the appropriate one of the above listed subclasses in Class 74. Where a planet pinion and its intermeshing sun or orbit gear together constitute the gear pump, the device will be found in this subclass (192/61).

and under "Search Class", insert:

74—MACHINE ELEMENTS AND MECHANISMS, subclasses 751–757, 772, and especially 774, and see (1) Note above.

196, Conveyers, Power Driven

in subclass 57, under "Search Class", insert:

222—DISPENSING, subclass 415, for endless conveyers for hopper type dispensers.

in subclass 202, cancel the definition and substitute:

202. Guides which are positively limited to use on a conveyer belt for aligning or centering the belt on its supports.

in subclass 229, cancel the notes, and add:

Search Class—

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, for cleaners of general use, especially subclass 230, for strand cleaners associated with the strand or its support.

51—ABRADING, subclasses 251 and 255, for cleaning attachments for roll and wheel guiders.

74—MACHINE ELEMENTS AND MECHANISMS, subclass 230, for belt cleaners of general application.

80—METAL ROLLING, subclass 1, for cleaners for metal rolling apparatus.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the notes thereto for cleaning, per se, and in other combinations.

206, Special Receptacles and Packages

in the class definition, under "Search Class", cancel the reference to Class 31.

210, Liquid Separation or Purification

in subclass 149, under "Search Class", cancel the reference to Class 31.

211, Supports, Racks

in the class definition, under "Search Class", add in numerical order:

17—BUTCHERING, subclass 44+, for racks with means especially relating them to butchering.

220, Metallic Receptacles

establish the following subclass definitions:

17.1. Devices under the class definition including means integrally formed with or to be attached to pails for supporting the pail from the leg or by the lap of a person.

Search Class—

155—CHAIRS AND SEATS, subclass 35.3+, for milker stools combined with pail supports.

224—PACKAGE AND ARTICLE CARRIERS, subclass 5+, for body and belt attached carriers wherein the carrying feature predominates.

17.2. Devices under subclass 17.1 wherein the means of attachment is a constituent part of, is in abutting engagement with, or is separable from a bail ear.

17.3. Devices under subclass 17.1 including a band or ring which encircles the pail.

in subclass 47, under "Search Class", in the reference to Class 30, Cutlery, after "cutting", cancel the remainder of the sentence and substitute:

and see the notes to Class 30, CUTLERY, subclass 3, for the line.

in subclass 51, cancel only the definition, and substitute:

51. Devices under subclass 47 which comprise can openers of the punch type combined with structure for fastening the openers to the cans so that the cutters are capable of repeated use as closures for the cut openings.

and add:

(1.5) Note.—The opener usually stays with the can during dispensing through the cut openings, the cutters being withdrawn to allow dispensing.

and under "Search Class", cancel the reference to Class 30, Cutlery, and substitute:

30—CUTLERY, subclass 3+, for can openers not mounted for repeated use as closures.

in subclass 85, under "Search this class, subclass", insert:

17.1+—for lap or leg supported pail holder attachments.

in subclass 91, under "Search this class, subclass", insert:

17.2—for lap or leg supported pail holders integral or in engagement with bail ears.

222, Dispensing

in the class definition, under "Definitions and Notes, Section 24", in the reference to Class 31, cancel "; subclasses 50+ . . . cans"

in subclass 61, under "Search this class, subclass", cancel "61+", and substitute *80.5, 209.*

in subclass 80, under "Search Class", cancel the reference to Class 7, and in the reference to Class 30, change "3+" to *6.3.*

in subclass 118, under "Search Class", in the reference to Class 226, before the period add:

for removal of excess material from filled containers; and subclasses 113+ and 119+, for overflow handling in filling involving air displacement.

in subclass 175, under "Search Class", cancel the reference to Class 31, and add in numerical order:

220—METALLIC RECEPTACLES, subclass 17.1+, for leg or lap supported milking pails.

in subclass 183, under "Search this class, subclass", insert:

83.5, 86, and 88—for dispensers having a sleeve or rest for a container on which a cutter or punch operates.

in subclass 216, under "Search Class", add:

302—CONVEYERS, FLUID CURRENT, subclass 49, for rotary trap chamber discharge assistants feeding pneumatic conveyers, in which the fluid current clears the traps of material carried therein.

in subclass 333, under "Search this class, subclass", in the reference to subclass 52+, cancel "where" and substitute *especially subclass 63, for dispensers in which*

in subclass 415, under "Search Class", in the reference to Class 198, change the period to a comma, and add:

especially subclass 56+, for hopper type feeders for horizontal conveyers.

230, Gas Pumps and Fans

in the class definition, under "(10) Search Classes", cancel the reference to Class 31, and add in numerical order:

119—ANIMAL HUSBANDRY, subclass 14.27+, and especially subclass 14.43, for air pumps and milker pulsators in combination with milking apparatus.

235, Registers

in subclass 61.5, under "Search Class", cancel the references to Classes 73 and 265.

243, Pneumatic Dispatch

in the class definition, in paragraph 7, cancel the reference to Class 31, and insert in numerical order:

119—ANIMAL HUSBANDRY, subclass 14.01+;

248, Supports

in the class definition, under "Search Class" in the reference to Class 220, add:

, and for lap or leg supported pail holders, see subclass 17.1+.

250, Radiant Energy

in subclass 42, insert:

(1.7) Note.—This and the indented subclasses provide for all apparatus which involve only means for subjecting a material to radiant energy. See (2) Note, below. The apparatus may be disclosed as being for the purpose of causing chemical reaction in the material, for the purpose of sterilizing, preserving or disinfecting the material, or for any other purpose. The processes of treating materials to perform particular processes are excluded from this and the indenfed subclasses and will be found in the classes listed under "(8) Search Classes" below.

and under "(8) Search Classes" in the reference to Class 204, cancel the last sentence, and substitute:

This and the indented subclasses of Class 250 provide for apparatus which involve only means for subjecting materials to radiant energy even though they are disclosed as being for the purpose of performing chemical reactions. See (1.7) Note above. See subclass 193 + of Class 204 for the other apparatus for performing the processes of Class 204 and also see the reference to Class 204 under the search notes to subclass 49.5 of this class.

251, Valves

In the class definition under "Search Classes", cancel the reference to Class 31, and in the reference to Class 220, before the period add:

, and subclass 86, for milking pails with a valved inlet.

252, Compositions

In the class definition, under "Search Class", cancel the reference to Class 201.

In subclass 63, under "Search this class, subclass", add:

490 + —for compositions specialized for use as electrical resistance elements and for these elements defined by their composition.

and under "Search Class", cancel the reference to Class 201.

272, Amusement and Exercising Devices

In subclass 57, under "Search Class", add:

273—AMUSEMENT DEVICES, GAMES, subclass 55, for tackling and blocking dummies, etc., used in football practice.

In subclass 59, add:

Search Class—
273—AMUSEMENT DEVICES, GAMES, subclass 105.4, for projectile type targets shaped as discs.

273, Amusement Devices, Games

In the class definition, under "Search Class", cancel the reference to Class 124, and substitute:

124—MECHANICAL GUNS AND PROJECTORS, for mechanical aerial projectors per se. Projectors per se are included in this class (273) only when the projectile, at all times, travels on a surface. Combinations of targets and aerial projectors are included in this class (273).

In subclass 105.4, under "Search Class", add:

272—AMUSEMENT AND EXERCISING DEVICES, subclass 59, for discs used in field sports.

In subclass 106, under "Search this class, subclass", add:

105.4 + —for projectile type targets.

In subclass 106, under "Search Class", add:

272—AMUSEMENT AND EXERCISING DEVICES, subclass 59, for shots and discs for field sports.

274, Sound Recording and Reproducing

In subclass 41.4, under "Search Class", add:

252—COMPOSITIONS, subclass 62.5, for compositions specialized and designed for use as magnetic materials, substances peculiar to such compositions or processes of making the compositions or substances.

284, Valved Pipe Joints or Couplings

In the class definition, under "Search Class", add:

119—ANIMAL HUSBANDRY, subclass 14.01 +, for manifolds, couplings and claws providing means to connect teat cups with pressure and/or milk lines.

285, Pipe Joints or Couplings

In the class definition, under "Search Class", insert:

119—ANIMAL HUSBANDRY, subclass 14.01 +, for manifolds, couplings and claws providing means to connect teat cups with pressure and/or milk lines.

286, Packed Shaft or Rod Joints

In subclass 11.13, change "movable" to *rotatable*.

In subclass 11.15 cancel "which rotate" and substitute *wherein the longitudinally movable sealing surface rotates*.

289, Tying Cords or Strands

In the class definition, change "means for" to *apparatus for and method of*

cancel the second, third and fourth paragraphs and insert:

(1) Note.—Tools of the nature of pliers, tweezers, crochet-hooks, etc., capable of other uses, but which may be employed to form knots if desired, are otherwise classified. Pliers are found in Class 81, TOOLS, subclass 44 +; tweezers in Class 81, TOOLS, subclass 43; crochet-hooks in Class 66, TEXTILES, KNITTING, subclass 118.

and under "Search Class", in the reference to Class 28, before the period, insert: *and subclass 78, for knots*

and in the reference to Class 242, add:

for means for uniting a reserve thread with the last end of the bobbin thread of a winding machine,

and insert in numerical order:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 22 +, for means for uniting portions of rope or cable where the unlaying of the strands is involved.
66—TEXTILES, KNITTING, subclass 118, for crochet-hooks, and see (1) Note, supra.
81—TOOLS, subclass 43, for tweezers, subclass 44, for pliers, and see (1) Note, supra.
87—TEXTILES, BRAIDING, NETTING AND LACE MAKING, subclass 12, for processes of and subclass 53 for apparatus for making knotted mesh fabrics.
140—WIREWORKING, subclasses 3 + and 111 +, for means peculiarly adapted for uniting portions of wire or the like wherein the portions are held together only by reason of the rigidity of the material.

establish the following subclass definition:

1.5—Methods under the class definition.

292, Closure Fasteners

In subclass 300, add:

Search Class—
16—MISCELLANEOUS HARDWARE, subclass 137, for similar devices in combination with hinge structure.

315, Electric Lamp and Discharge Devices, Systems

In subclass 90, change "89" to *88*.

In subclass 287, in the definition, change "valve" to *value*.

318, Electricity, Motive Power Systems

In subclass 2, under "Search Class", in the reference to Class 74, after "625 +", cancel the remainder of the reference and substitute:

for alternate hand or power operators, where no electric motor control is claimed.

346, Recorders

In subclass 81, change "78" to *80*

In subclass 85, in the definition, change "matching" to *notching*.

A. W. CROCKER,
Executive Primary Examiner.

Classification Order No. 95

The following transfer from Division 18 to C. E. D. is hereby ordered to take effect Monday, March 12, 1951:

Class 60, Power Plants
subclasses 27 to 35, inclusive, 35.6, and 36 to 49, inclusive.

A. W. CROCKER,
Mar. 5, 1951. *Executive Primary Examiner.*

Classification Order No. 96

The following transfer from Division 36 to Division 66 is hereby ordered to take effect Monday, March 12, 1951:

Class 249, Automatic Weighers.
Class 265, Weighing Scales.

A. W. CROCKER,
Mar. 9, 1951. *Executive Primary Examiner.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Electric Company offers the following 329 patents for non-exclusive licensing on reasonable terms. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

These patents include: Elastic fluid turbines and power plants; turbine-generator power plants; elastic fluid generators, including mercury vapor boilers; turbine controlling mechanisms and cooling arrangements, turbo-superchargers; pumps, compressors, and blowers; dynamo-electric machines and cooling pads for such machines. Also included are: An engine exhaust flame quencher; an internal combustion engine with variable compression ratio; valves; and a jet engine for aircraft propulsion. Groups 33—61—64; 35—11—61—66; 36—19; 37—22. Reg. Nos. 40,353 through 40,681.

Pat. 1,957,219. Governing Mechanism for Elastic Fluid Turbines. May 1, 1934.

Pat. 1,959,220. Rotary Disk Turbine Bucket Wheel, or the Like. May 15, 1934.

Pat. 1,960,051. Governing Mechanism for Elastic Fluid Turbines. May 22, 1934.

Pat. 1,965,427. Elastic Fluid Generator and the Like. July 3, 1934.

Pat. 1,966,225. Regulating Mechanism for Prime Movers. July 10, 1934.

Pat. 1,967,087. Quick Closing Throttle Valve. July 17, 1934.

Pat. 1,968,582. Fabricated Dynamo-Electric Machine. July 31, 1934.

Pat. 1,969,526. Power Plant. Aug. 7, 1934.

Pat. 1,969,695. Vertical Turbo-Generator Arrangement. Aug. 7, 1934.

Pat. 1,970,380. Pump Control. Aug. 14, 1934.

Pat. 1,970,420. Emergency Governor Mechanism for Prime Movers. Aug. 14, 1934.

Pat. 1,970,434. Power Plant With Intermediate Superheaters. Aug. 14, 1934.

Pat. 1,977,335. Bearing and Method of Making Same. Oct. 16, 1934.

Pat. 1,978,229. Bolt and Nut Connection. Oct. 23, 1934.

Pat. 1,978,837. Gas Turbine Power Plant. Oct. 30, 1934.

Pat. 1,980,026. Fabricated Dynamo-Electric Machine. Nov. 6, 1934.

Pat. 1,980,784. Elastic Fluid Generator. Nov. 13, 1934.

Pat. 1,980,785. Elastic Fluid Generator. Nov. 13, 1934.

Pat. 1,980,814. Compressor Plant. Nov. 13, 1934.

Pat. 1,980,820. Elastic Fluid Generator. Nov. 13, 1934.

Pat. 1,983,385. Hydraulic Control System. Dec. 4, 1934.

Pat. 1,985,964. Elastic Fluid Turbine. Jan. 1, 1935.

Pat. 1,993,585. Mercury Vapor Generating Plant. Mar. 5, 1935.

Pat. 1,994,121. Elastic Fluid Turbine. Mar. 12, 1935.

Pat. 1,997,456. Elastic Fluid Turbine. Apr. 9, 1935.

Pat. 1,998,329. Elastic Fluid Generator or Boiler. Apr. 16, 1935.

Pat. 1,998,393. Turbine Bucket. Apr. 16, 1935.

Pat. 1,998,951. Nozzle Diaphragm. Apr. 23, 1935.

Pat. 2,000,762. Fluid Jet Pump. May 7, 1935.

Pat. 2,001,492. Method of Assembling Packing Rings in Turbine Rotors. May 14, 1935.

Pat. 2,004,777. Elastic Fluid Turbine. June 11, 1935.

Pat. 2,006,170. Winding for the Stationary Members of Alternating Current Dynamo-Electric Machines. June 25, 1935.

Pat. 2,007,777. Control Mechanism for Furnace Blowers. July 9, 1935.

Pat. 2,008,527. Bearing. July 16, 1935.

Pat. 2,008,528. Boiler. July 16, 1935.

Pat. 2,008,543. Shaft Bearing for Elastic Fluid Engines. July 16, 1935.

Pat. 2,010,698. Testing Hermetically Closed Cores for Mercury Boilers. Aug. 6, 1935.

Pat. 2,011,420. Gas Turbine Power Plant. Aug. 13, 1935.

Pat. 2,011,423. Elastic Fluid Generator. Aug. 13, 1935.

Pat. 2,014,956. Power Set. Sept. 17, 1935.

Pat. 2,015,554. Magnetic Wedge. Sept. 24, 1935.

Pat. 2,019,329. Method of Making Turbine Buckets. Oct. 29, 1935.

Pat. 2,020,080. Load Regulation of Electric Power Plants. Nov. 5, 1935.

Pat. 2,020,977. Speed Control Mechanism. Nov. 12, 1935.

Pat. 2,027,136. Dynamo-Electric Machine. Jan. 7, 1936.

Pat. 2,035,726. Elastic Fluid Power Plant. Mar. 31, 1936.

Pat. 2,036,083. Bucket Wheel. Mar. 31, 1936.

Pat. 2,042,496. Multistage Rotary Compressor. June 2, 1936.

Pat. 2,042,533. Rotary Pump, Blower, or Compressor and the Like. June 2, 1936.

Pat. 2,048,566. Elastic Fluid Turbine Power Plant. July 21, 1936.

Pat. 2,049,343. Bearing and the Like. July 28, 1936.

Pat. 2,057,596. Hydraulic Regulating Mechanism. Oct. 13, 1936.

Pat. 2,058,362. Laminated Core for Electrical Apparatus. Oct. 20, 1936.

Pat. 2,059,830. Variable Speed Dual Drive. Nov. 3, 1936.

Pat. 2,069,653. Surface Type Condenser Arrangement. Feb. 2, 1937.

Pat. 2,071,177. Engine Throttle Control. Feb. 16, 1937.

Pat. 2,071,268. Elastic Fluid Power Plant. Feb. 16, 1937.

Pat. 2,073,514. Method of Assembling Packing Rings in Solid Turbine Rotors. Mar. 9, 1937.

Pat. 2,078,807. Supercharger for Internal Combustion Engines. Apr. 27, 1937.

Pat. 2,079,473. Nozzle Diaphragm and the Like and Method of Making the Same. May 4, 1937.

Pat. 2,082,641. Condenser Arrangement. June 1, 1937.

Pat. 2,083,447. Centrifugal Compressor. June 8, 1937.

Pat. 2,084,909. Packing Arrangement. June 22, 1937.

Pat. 2,085,604. Cooling Means for Aircraft Engines. June 29, 1937.

Pat. 2,088,623. Elastic Fluid Power Plant Control and Protection. Aug. 3, 1937.

Pat. 2,089,708. Exhaust Gas Driven Turbine. Aug. 10, 1937.

Pat. 2,092,641. Reciprocating Pump. Sept. 7, 1937.

Pat. 2,095,263. Butterfly Valve. Oct. 12, 1937.

Pat. 2,095,844. Vertical Shaft Turbo Generator. Oct. 12, 1937.

Pat. 2,095,845. Auxiliary Units for Operating Power Plants. Oct. 12, 1937.

Pat. 2,095,853. Elastic Fluid Power Plant. Oct. 12, 1937.

Pat. 2,098,074. Locomotive Turbine Drive. Nov. 2, 1937.

Pat. 2,098,803. Elastic Fluid Turbine Arrangement. Nov. 9, 1937.

Pat. 2,098,805. Safety Device. Nov. 9, 1937.

Pat. 2,099,575. Dynamo-Electric Machine. Nov. 16, 1937.

Pat. 2,101,676. Elastic Fluid Turbine Control. Dec. 7, 1937.

Pat. 2,103,685. Power Plant. Dec. 28, 1937.

Pat. 2,103,905. Turbine Bucket Wheel Notch Block. Dec. 28, 1937.

Pat. 2,108,614. Extraction Turbine Arrangement. Feb. 15, 1938.

Pat. 2,109,997. Gas Turbine Driven Supercharger. Mar. 1, 1938.

Pat. 2,110,679. Elastic Fluid Turbine. Mar. 8, 1938.

Pat. 2,111,435. Elastic Fluid Power Plant for Aircraft. Mar. 15, 1938.

Pat. 2,112,045. Seal for Combustion Engines. Mar. 22, 1938.

Pat. 2,112,743. Heat Transmitting Element. Mar. 29, 1938.

Pat. 2,113,416. Governing Mechanism for Elastic Fluid Turbines. Apr. 5, 1938.

Pat. 2,114,168. Butterfly Valve. Apr. 12, 1938.

Pat. 2,116,385. Elastic Fluid Governing Mechanism. May 3, 1938.

Pat. 2,116,424. Device for Controlling Temperatures in Fluid Heating Apparatus. May 3, 1938.

Pat. 2,116,440. Prime Mover Control Mechanism. May 3, 1938.

Pat. 2,119,402. Aircraft. May 31, 1938.

Pat. 2,120,092. Clutch. June 7, 1938.

Pat. 2,120,909. Elastic Fluid Condenser Arrangement. June 14, 1938.

Pat. 2,122,280. Elastic Fluid Generator Arrangement. June 28, 1938.

Pat. 2,123,064. Extraction Turbine Arrangement. July 5, 1938.

Pat. 2,124,418. Speed Governing Mechanism. July 19, 1938.

Pat. 2,124,433. Motor Compressor Arrangement. July 19, 1938.

Pat. 2,126,533. Hydraulic Governing Mechanism. Aug. 9, 1938.

Pat. 2,129,529. Elastic Fluid Turbine Turning Mechanism. Sept. 6, 1938.

Pat. 2,129,534. Elastic Fluid Turbine Turning Mechanism. Sept. 6, 1938.

Pat. 2,129,535. Laminated Core for Electrical Apparatus. Sept. 6, 1938.

Pat. 2,133,146. Flanged Joint. Oct. 11, 1938.

Pat. 2,135,304. Elastic Fluid Turbine Packing. Nov. 1, 1938.

Pat. 2,135,305. Elastic Fluid Power Plant. Nov. 1, 1938.

Pat. 2,144,550. Extraction Turbine Control System. Jan. 17, 1939.

Pat. 2,145,117. Speed Governing Mechanism. Jan. 24, 1939.

Pat. 2,149,107. Auxiliary Unit for Operating Power Plants. Feb. 28, 1939.

Pat. 2,152,479. Pressure Combustion Boiler. Mar. 28, 1939.

Pat. 2,153,360. Motor Driven Fluid Pump. Apr. 4, 1939.

Pat. 2,153,381. Hydraulic Control Mechanism. Apr. 4, 1939.

Pat. 2,153,674. Shaft Seal. Apr. 11, 1939.

Pat. 2,154,216. Cooling Pad. Apr. 11, 1939.

Pat. 2,154,217. Method of Fabricating Hollow Pads. Apr. 11, 1939.

Pat. 2,155,247. Governing Mechanism. Apr. 18, 1939.

Pat. 2,157,827. Turbine Rotor. May 9, 1939.

Pat. 2,157,838. Elastic Fluid Turbine Shaft and Disk Structure and the Like. May 9, 1939.

Pat. 2,158,858. Power Plant Apparatus for Aircraft. May 16, 1939.

Pat. 2,158,863. Separator. May 16, 1939.

Pat. 2,159,758. Power Plant. May 23, 1939.

Pat. 2,160,587. Control System. May 30, 1939.

Pat. 2,166,823. Elastic Fluid Turbine Nozzle. July 18, 1939.

Pat. 2,169,092. Turbine-Casing Joint. Aug. 8, 1939.

Pat. 2,171,346. Power Plant. Aug. 29, 1939.

Pat. 2,175,874. Turbine Protective Arrangement. Oct. 10, 1939.

Pat. 2,175,875. Turbine Protective Arrangement. Oct. 10, 1939.

Pat. 2,175,884. High Pressure, High Temperature Turbine Plant. Oct. 10, 1939.

Pat. 2,180,144. Control Mechanism. Nov. 14, 1939.

Pat. 2,180,154. Geared Driving Arrangement. Nov. 14, 1939.

Pat. 2,180,168. Gas Turbine Driven Generator Arrangement. Nov. 14, 1939.

Pat. 2,181,741. Prime Mover Control System. Nov. 28, 1939.

Pat. 2,185,803. Elastic Fluid Power Plant. Jan. 2, 1940.

Pat. 2,192,759. Elastic Fluid Power Plant. Mar. 5, 1940.

Pat. 2,193,658. Regulating Means for Elastic Fluid Turbines. Mar. 12, 1940.

Pat. 2,197,651. Elastic Fluid Turbine Power Plant. Apr. 16, 1940.

Pat. 2,204,111. Elastic Fluid Power Plant. June 11, 1940.

Pat. 2,206,723. Starting Apparatus for Internal Combustion Engines. July 2, 1940.

Pat. 2,207,594. Commutator. July 9, 1940.

Pat. 2,217,410. Heat Exchange Apparatus. Oct. 8, 1940.

Pat. 2,220,914. Elastic Fluid Turbine Bucket Wheel. Nov. 12, 1940.

Pat. 2,220,918. Elastic Fluid Turbine Bucket Wheel. Nov. 12, 1940.

Pat. 2,221,672. Elastic Fluid Turbine Bucket Wheel. Nov. 12, 1940.

Pat. 2,221,679. Method of Making Elastic Fluid Turbine Buckets. Nov. 12, 1940.

Pat. 2,221,684. Elastic Fluid Turbine Bucket Wheel. Nov. 12, 1940.

Pat. 2,221,685. Elastic Fluid Turbine Bucket Unit. Nov. 12, 1940.

Pat. 2,221,722. Method of Making Elastic Fluid Turbine Buckets. Nov. 12, 1940.

Pat. 2,223,976. Pressure Responsive Device. Dec. 3, 1940.

Pat. 2,227,961. Valve Testing Apparatus. Jan. 7, 1941.

Pat. 2,227,980. Mixed Pressure Extraction Turbine Plant. Jan. 7, 1941.

Pat. 2,228,795. Elastic Fluid Turbine Packing Arrangement. Jan. 14, 1941.

Pat. 2,228,841. Packing Arrangement. Jan. 14, 1941.

Pat. 2,234,757. Cooling Arrangement for Gas Turbines. Mar. 11, 1941.

Pat. 2,234,767. Cooling Arrangement for Gas Turbines. Mar. 11, 1941.

Pat. 2,234,777. Lubricating System. Mar. 11, 1941.

Pat. 2,234,792. Cooling Arrangement for Gas Turbines. Mar. 11, 1941.

Pat. 2,234,793. Gas Turbine. Mar. 11, 1941.

Pat. 2,235,541. Turbine Power Plant Arrangement. Mar. 18, 1941.

Pat. 2,243,580. Dashpot. May 27, 1941.

Pat. 2,245,175. Elastic Fluid Turbine Turning Gear Control System. June 10, 1941.

Pat. 2,245,237. Elastic Fluid Turbine Diaphragm. June 10, 1941.

Pat. 2,246,169. Governing Mechanism for Elastic Fluid Turbines. June 17, 1941.

Pat. 2,247,056. Condenser Control Apparatus. June 24, 1941.

Pat. 2,247,086. Elastic Fluid Turbine Arrangement. June 24, 1941.

Pat. 2,247,151. Governing Mechanism. June 24, 1941.

Pat. 2,247,387. Elastic Fluid Turbine Diaphragm Supporting and Centering Arrangement. July 1, 1941.

Pat. 2,247,813. Centrifugal Impeller. July 1, 1941.

Pat. 2,247,825. Valve Arrangement. July 1, 1941.

Pat. 2,249,508. Hydraulic Governing Mechanism. July 15, 1941.

Pat. 2,253,970. Turbine Driven Gear Arrangement and the Like. Aug. 26, 1941.

Pat. 2,258,230. Valve. Oct. 7, 1941.

Pat. 2,259,990. Valve. Oct. 21, 1941.

Pat. 2,264,830. Ship Propulsion Turbine Arrangement. Dec. 2, 1941.

Pat. 2,264,877. Elastic Fluid Turbine Diaphragm. Dec. 2, 1941.

Pat. 2,266,577. Elastic Fluid Turbine. Dec. 16, 1941.

Pat. 2,268,230. Governing Mechanism. Dec. 30, 1941.

Pat. 2,269,154. Dynamoelectric Machine. Jan. 6, 1942.

Pat. 2,269,181. Gas Turbine Driven Supercharger. Jan. 6, 1942.

Pat. 2,269,185. Method of Forming Coil Insulation. Jan. 6, 1942.

Pat. 2,269,200. Method of Manufacturing Elastic Fluid Turbine Buckets. Jan. 6, 1942.

Pat. 2,269,235. Multistage Elastic Fluid Turbine. Jan. 6, 1942.

Pat. 2,275,830. Elastic Fluid Turbine. Mar. 10, 1942.

Pat. 2,275,871. Method of Winding Coils. Mar. 10, 1942.

Pat. 2,277,487. Noncondensing Turbine Regulating System. Mar. 24, 1942.

Pat. 2,278,992. Power Plant. Apr. 7, 1942.

Pat. 2,279,814. Packing Arrangement. Apr. 14, 1942.

Pat. 2,279,863. Packing Arrangement. Apr. 14, 1942.

Pat. 2,281,318. Bladed Structure. Apr. 28, 1942.

Pat. 2,282,825. Valve Support. May 12, 1942.

Pat. 2,282,889. Flow Control Device. May 12, 1942.

Pat. 2,283,699. Textile and Paper Machine Drive. May 19, 1942.

Pat. 2,284,457. Relief Valve. May 26, 1942.

Pat. 2,285,199. Dynamoelectric Machine. June 2, 1942.

Pat. 2,285,208. Automatic Turbine Control System. June 2, 1942.

Pat. 2,285,225. Flat Tube Condenser. June 2, 1942.

Pat. 2,285,233. Method of Making Dynamoelectric Machines. June 2, 1942.

Pat. 2,285,976. Centrifugal Compressor. June 9, 1942.

Pat. 2,286,005. Liquid-Gas Separating Arrangement. June 9, 1942.

Pat. 2,289,231. Centrifugal Compressor. July 7, 1942.

Pat. 2,294,700. Elastic Fluid Power Plant. Sept. 1, 1942.

Pat. 2,298,625. Elastic Fluid Power Plant. Oct. 13, 1942.

Pat. 2,302,404. Valve. Nov. 17, 1942.

Pat. 2,303,146. Elastic Fluid Power Plant. Nov. 24, 1942.

Pat. 2,303,883. Dynamoelectric Machine. Dec. 1, 1942.

Pat. 2,309,003. Cooling Arrangement for Gas Turbines. Jan. 19, 1943.

Pat. 2,312,958. Wide Range Turbine Governing Arrangement. Mar. 2, 1943.

Pat. 2,313,502. Current Collecting Device. Mar. 9, 1943.

Pat. 2,314,289. Elastic Fluid Turbine. Mar. 16, 1943.

Pat. 2,318,990. Radial Flow Elastic Fluid Turbine or Compressor. May 11, 1943.

Pat. 2,319,021. Relief Valve. May 11, 1943.

Pat. 2,320,163. Fusion Welding. May 25, 1943.

Pat. 2,320,164. Welded Assembly. May 25, 1943.

Pat. 2,322,011. Slip Ring Assembly. June 15, 1943.

Pat. 2,323,941. Centrifugal Compressor. July 13, 1943.

Pat. 2,324,297. Dynamoelectric Machine. July 13, 1943.

Pat. 2,332,322. Elastic Fluid Turbine Arrangement. Oct. 19, 1943.

Pat. 2,332,336. Elastic Fluid Condenser. Oct. 19, 1943.

Pat. 2,332,882. Heat Exchanger System. Oct. 26, 1943.

Pat. 2,333,044. Governing Mechanism. Oct. 26, 1943.

Pat. 2,336,480. Lubricating System for Aircraft Superchargers. Dec. 14, 1943.

Pat. 2,346,128. Turbosupercharger. Apr. 11, 1944.

Pat. 2,347,034. Turbine Bucket Wheel and the Like. Apr. 18, 1944.

Pat. 2,348,042. Elastic Fluid Turbine Arrangement. May 2, 1944.

Pat. 2,348,768. Control Mechanism. May 16, 1944.

Pat. 2,350,197. Elastic Fluid Power Plant. May 30, 1944.

Pat. 2,350,616. Supercharger. June 6, 1944.

Pat. 2,350,753. Liquid Seal. June 6, 1944.

Pat. 2,351,431. Shaft Bearing. June 13, 1944.

Pat. 2,353,201. Aircraft Cabin Supercharger System. July 11, 1944.

Pat. 2,354,653. Impeller. Aug. 1, 1944.

Pat. 2,354,698. Gas Turbine. Aug. 1, 1944.

Pat. 2,355,413. Elastic Fluid Turbine Blading. Aug. 8, 1944.

Pat. 2,356,011. Packing Arrangement. Aug. 15, 1944.

Pat. 2,356,370. Deicer for Supercharged Aircraft Carburetors. Aug. 22, 1944.

Pat. 2,357,709. Elastic Fluid Turbine. Sept. 5, 1944.

Pat. 2,358,363. Control for Internal-Combustion Engines or the Like. Sept. 19, 1944.

Pat. 2,358,835. Pressure Cabin Control Arrangement. Sept. 26, 1944.

Pat. 2,361,237. Current Collector. Oct. 24, 1944.

Pat. 2,362,509. Gas Turbine and the Like. Nov. 14, 1944.

Pat. 2,362,831. Elastic Fluid Turbine. Nov. 14, 1944.

Pat. 2,365,990. Aircraft Turbine. Dec. 26, 1944.

Pat. 2,365,991. Aircraft Turbine Supercharger. Dec. 26, 1944.

Pat. 2,367,209. Governing Mechanism. Jan. 16, 1945.

Pat. 2,368,642. Air Temperature Control System for Supercharged Internal-Combustion Engines. Feb. 6, 1945.

Pat. 2,369,175. Exhaust Gas Operated Turbine Arrangement. Feb. 13, 1945.

Pat. 2,370,192. Gas Turbine Cooling Arrangement. Feb. 27, 1945.

Pat. 2,370,581. Lubricating System for Aircraft Superchargers. Feb. 27, 1945.

Pat. 2,371,996. Collector Ring Assembly. Mar. 20, 1945.

Pat. 2,372,467. Turbosupercharger. Mar. 27, 1945.

Pat. 2,372,518. Centrifugal Type Compressor. Mar. 27, 1945.

Pat. 2,374,708. Control System for Aircraft Turbo-superchargers. May 1, 1945.

Pat. 2,375,006. Supercharged Combustion Engine Arrangement. May 1, 1945.

Pat. 2,375,202. Aircraft Turbine Supercharger. May 8, 1945.

Pat. 2,375,702. Surface Type Heat Exchanger. May 8, 1945.

Pat. 2,376,142. Control System for Aircraft Turbo-superchargers. May 15, 1945.

Pat. 2,376,143. Control System for Aircraft Turbo-superchargers. May 15, 1945.

Pat. 2,376,144. Regulating Mechanism. May 15, 1945.

Pat. 2,376,199. Control for Aircraft Superchargers. May 15, 1945.

Pat. 2,376,212. Elastic Fluid Turbine Arrangement. May 15, 1945.

Pat. 2,377,740. Centrifugal Compressor. June 5, 1945.

Pat. 2,378,441. Aircraft Supercharger control. June 19, 1945.

Pat. 2,378,771. Gas Turbine Nozzle. June 19, 1945.

Pat. 2,379,455. Engine Supercharger System. July 3, 1945.

Pat. 2,379,770. Elastic Fluid Turbine. July 3, 1945.

Pat. 2,380,772. Centrifugal Compressor. July 31, 1945.

Pat. 2,380,777. Turbosupercharger System. July 31, 1945.

Re. 22,656. Filter Control for Aircraft Engines and Superchargers. July 31, 1945. (Original No. 2,368,501, dated Jan. 30, 1945.)

Pat. 2,382,386. Gas Engine Exhaust Flame Quencher. Aug. 14, 1945.

Pat. 2,382,387. Gas Turbine. Aug. 14, 1945.

Pat. 2,382,842. Gas Turbine. Aug. 14, 1945.

Pat. 2,382,913. Centrifugal Compressor. Aug. 14, 1945.

Pat. 2,383,948. Gas Turbine. Sept. 4, 1945.

Pat. 2,385,006. Gas Turbine. Sept. 18, 1945.

Pat. 2,385,664. Cabin Supercharger Arrangements. Sept. 25, 1945.

Pat. 2,386,067. Elastic Fluid Turbine Arrangement. Oct. 2, 1945.

Pat. 2,386,673. Winding Slot Wedge. Oct. 9, 1945.

Pat. 2,388,282. Centrifugal Type Speed Governing Mechanism. Nov. 6, 1945.

Pat. 2,388,523. Lubricant Heating System for Turbo-superchargers and the Like. Nov. 6, 1945.

Pat. 2,388,952. Aircraft Gas Turbine Arrangement. Nov. 13, 1945.

Pat. 2,388,975. Multistage High Pressure Elastic Fluid Turbine. Nov. 13, 1945.

Pat. 2,388,998. Gas Turbine Cooling Arrangement. Nov. 13, 1945.

Pat. 2,390,772. Elastic Fluid Turbine. Dec. 11, 1945.

Pat. 2,391,000. Lubricating System for Aircraft Superchargers. Dec. 18, 1945.

Pat. 2,391,486. Aircraft Supercharging Arrangement. Dec. 25, 1945.

Pat. 2,392,126. Liquid Separator for Elastic Fluid Turbines. Jan. 1, 1946.

Pat. 2,392,200. Centrifugal Compressor. Jan. 1, 1946.

Pat. 2,393,172. Supercharger Control System. Jan. 15, 1946.

Pat. 2,393,713. Aircraft supercharger. Jan. 29, 1946.

Pat. 2,394,124. Bladed Body. Feb. 5, 1946.

Pat. 2,394,685. Turbine Installation. Feb. 12, 1946.

Pat. 2,396,738. Dynamoelectric Machine. Mar. 19, 1946.

Pat. 2,399,009. Elastic Fluid Turbine. Apr. 23, 1946.

Pat. 2,399,072. Centrifugal Compressor. Apr. 23, 1946.

Pat. 2,401,188. Internal-Combustion Engine With Variable Compression Ratio. May 28, 1946.

Pat. 2,403,388. Gas Turbine Power Plant. July 2, 1946.

Pat. 2,403,389. Flexible Gear Coupling Arrangement. July 2, 1946.

Pat. 2,403,860. Combustion Unit. July 9, 1946.

Pat. 2,405,048. Centrifugal Compressor. July 30, 1946.

Pat. 2,406,388. Turbosupercharger. Aug. 27, 1946.

Pat. 2,408,836. Barometric Fuel Valve. Oct. 8, 1946.

Pat. 2,409,836. Centrifugal Type Compressor. Oct. 22, 1946.

Pat. 2,409,837. Centrifugal Type Compressor. Oct. 22, 1946.

Pat. 2,411,065. Speed Governing Mechanism. Nov. 12, 1946.

Pat. 2,412,071. Cabin Supercharging Means Having Automatic Pressure and Temperature Control Means. Dec. 3, 1946.

Pat. 2,412,615. Bladed Machine Element. Dec. 17, 1946.

Pat. 2,412,848. Turbine-Generator. Dec. 17, 1946.

Pat. 2,412,851. Dynamoelectric Machine and Method of Making the Same. Dec. 17, 1946.

Pat. 2,415,713. Aircraft Supercharger Arrangement for Engine and Cabin. Feb. 11, 1947.

Pat. 2,421,668. Bearing Construction. June 3, 1947.

Pat. 2,428,236. Dynamoelectric Machine. Sept. 30, 1947.

Pat. 2,429,077. Prime Mover Power Plant. Oct. 14, 1947.

Pat. 2,429,990. Gas Turbine. Nov. 4, 1947.

Pat. 2,431,589. Apparatus for Handling Propellers. Nov. 25, 1947.

Pat. 2,434,160. Reversible Turbine Arrangement for Cooling Idle Turbines. Jan. 6, 1948.

Pat. 2,435,836. Centrifugal Compressor. Feb. 10, 1948.

Pat. 2,436,815. Pressure Operated Valve. Mar. 2, 1948.

Pat. 2,438,357. Double Rotation Turbo-Drive. Mar. 23, 1948.

Pat. 2,439,257. Fuel Atomizing Nozzle. Apr. 6, 1948.

Pat. 2,439,273. Turbo-Jet Engine for Aircraft Propulsion. Apr. 6, 1948.

Pat. 2,440,069. High-Temperature Elastic Fluid Turbine. Apr. 20, 1948.

Pat. 2,446,861. Centrifugal Speed Governor. Aug. 10, 1948.

Pat. 2,451,252. Flexible Conduit Joint. Oct. 12, 1948.

Pat. 2,451,261. High and Low Pressure Turbine Rotor Cooling Arrangement. Oct. 12, 1948.

Pat. 2,466,433. Commutator for Dynamoelectric Machines. Apr. 5, 1949.

Pat. 2,469,214. Centrifugal Compressor. May 3, 1949.

Pat. 2,470,471. Dual Check Valve. May 17, 1949.

Pat. 2,473,250. Dual Ratio Gearing. June 14, 1949.

Pat. 2,481,330. Variable Jet Nozzle. Sept. 6, 1949.

Pat. 2,484,554. Centrifugal Impeller. Oct. 11, 1949.

Pat. 2,485,349. Combined Shutoff and Metering Valve. Oct. 18, 1949.

Pat. 2,490,555. Valve Actuating Mechanism. Dec. 6, 1949.

Pat. 2,494,328. Axial Flow Elastic Fluid Turbine. Jan. 10, 1950.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 10, 1951

[VOL. 645 No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 508,684. Lusteroid Container Company, Inc., South Orange, N. J. Filed Aug. 23, 1946.



The mark consists of a short straight line impressed in the cup of applicant's container. The end of the tubular container is disclaimed.

For Plastic Tubular Containers in the Nature of or Which Resemble Test-Tubes Which Are Used in Laboratories.

Claims use since June 5, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 525,896. The Maryland Biscuit Company, Baltimore, Md. Filed July 3, 1947.

Delmarvia

For Sweetened Biscuits.

Claims use since June 1932.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 527,998. The American Oak Leather Co., Cincinnati, Ohio, assignor to Howes Leather Company, Inc., Boston, Mass. Filed July 5, 1947.

Rochrome

Applicant claims ownership of Registration No. 49,798.

For Leather.

Claims use since Jan. 1, 1940.

Ser. No. 536,407. G. Levor & Co., Inc., New York, N. Y. Filed Oct. 1, 1947. (Sec. 2f.)

"THE WHITEST WHITES"

Applicant claims ownership of Registration No. 194,393.

For Leathers.

Claims use since 1916.

Ser. No. 558,527. Southern Coal Company, Inc., Memphis, Tenn. Filed June 4, 1948.

OLD ABE

For Coal.

Claims use since May 5, 1948.

Ser. No. 578,155. Mercantile Stores Company, Inc., Wilmington, Del. Filed May 3, 1949.

S.P.M.

For Flower, Vegetable, and Lawn Seeds; Flower and Vegetable Bulbs and Roots; Bushes; and Shrubs.

Claims use since May 16, 1947.

Ser. No. 580,676. Rubberset Company, Newark, N. J. Filed June 17, 1949.

CASLEN

For Matted Artificial Filament for Use in Making Paddings, Stuffings for Upholstered Furniture and the Like, Filter Media for Air Filters, and Heat Insulating Media.
Claims use since Mar. 31, 1949.

Ser. No. 583,791. B. O. Bracey, Los Angeles, Calif., assignor to B. O. Bracey & Company, Santa Ana, Calif., a corporation of California. Filed Aug. 22, 1949.

Orchids by B.O. Bracey

The term "B. O. Bracey," as incorporated in the trademark, is a facsimile of applicant's signature. The term "Orchids by" is disclaimed.
For Orchids (Natural Flowers).
Claims use since June 16, 1949.

Ser. No. 584,538. Lycurgus S. Long, doing business as Long-View Plantation, Gettysburg, Pa. Filed Sept. 7, 1949.

KRIS KRINGLE



For Natural Christmas Trees and Evergreen Decorations.
Claims use since Dec. 1, 1948.

Ser. No. 590,002. Alpha Cellulose Corporation, Van Wert, Ohio. Filed Dec. 28, 1949.



The word "Pulp" and the representation of a cotton boll are disclaimed.
For Cotton Pulp for Paper Making.
Claims use since July 27, 1949.

Ser. No. 596,280. Hercules Powder Company, Wilmington, Del. Filed Apr. 25, 1950.



Applicant claims ownership of Registration No. 511,916.
For Molding Powder Containing Cellulose Derivatives (Specifically Ethyl Cellulose and Cellulose Acetate, Without Limiting the Generality of the Foregoing).
Claims use since Feb. 2, 1950.

Ser. No. 597,468. Shellmar Products Corporation, Chicago, Ill. Filed May 15, 1950.

Shellene

Applicant claims ownership of Registration No. 531,987.
For Polyethylene in Sheet Form Suitable for Wrapping Material.
Claims use since July 14, 1947.

Ser. No. 599,137. White Bros. Rose Corp., Medina, N. Y. Filed June 14, 1950.

Tradition

For Fresh Cut Flowers—Namely, Roses.
Claims use since Feb. 13, 1950.

CLASS 2

RECEPTACLES

Ser. No. 537,732. Robeson Cutlery Company, Inc., Perry, N. Y. Filed Oct. 13, 1947.

sharp-rac

The term "Rac" is disclaimed.
For Knife Holders or Racks Made of Plastic Material for Holding One or More Knives When Not in Use.
Claims use since May 29, 1947.

Ser. No. 574,120. United Board & Carton Corporation, New York, N. Y. Filed Feb. 18, 1949.

CELL-O-MATIC

For Collapsible Paperboard Bottle Cartons Adapted To Be Used for Holding and Carrying Bottles.
Claims use since Jan. 8, 1949.

Ser. No. 598,477. International Molded Plastics, Inc., Cleveland, Ohio. Filed June 2, 1950.

BROOKPARK

For Plastic Dinner Dish Ware.
Claims use since Sept. 23, 1949.

Ser. No. 598,585. Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Filed June 5, 1950.

REELMASTER

For Reels in the Nature of Receptacles for Winding and Unwinding Lengths of Hose, Cable, Rope, and Wire.
Claims use since Mar. 31, 1950.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 579,638. Trav-L-Craft, Philadelphia, Pa. Filed May 27, 1949.

TRAV-L-CRAFT

The word "Trav-L" is disclaimed.
For Baggage—Namely, Handbags and Suitcases.
Claims use since Mar. 1, 1949.

Ser. No. 584,290. Pichel Inc., New York, N. Y. Filed Aug. 31, 1949. (Sec. 2f.)

Pichel

Applicant claims ownership of Registrations Nos. 406,510 and 411,486.
For Ladies' Handbags.
Claims use since January 1943 on the mark as shown, and since January 1939 on the word "Pichel."

Ser. No. 584,291. Pichel Inc., New York, N. Y. Filed Aug. 31, 1949. (Sec. 2f.)

Pichel HANDBAG FASHIONS

The words "Handbag Fashions" are disclaimed. Applicant claims ownership of Registrations Nos. 406,510 and 411,486.
For Ladies' Handbags.
Claims use since January 1943 in its present form; and since January 1939 as to "Pichel."

Ser. No. 590,574. American Luggage Works Inc., Providence, R. I. Filed Jan. 10, 1950.

COLORGARD

For Train Cases, Cosmetic Cases, Round Hat Cases, Overnight Cases, Ladies' Weekend Cases, Ladies' Wardrobe Cases, Ladies' Pullman Cases, Wardrobe Pullman Cases, and Ladies' Hat and Shoe Cases.
Claims use since Sept. 1, 1948.

Ser. No. 594,985. Ernest L. Oppenheim, doing business under the name of Ernest L. Oppenheim Leather and Plastic Products Co., New York, N. Y. Filed Mar. 31, 1950.

CLEAR-VU BY ELO

The trade-mark consists of the words "Clear-Vu By" and the letters "ELO." The words "Clear-Vu" are disclaimed.
For Handbags, Wallets, Playing Card Cases of Leather and Plastic Materials, Sold Empty, Pocket Secretaries, Bench Bags of Leather and Plastic Materials, and Cosmetic Kits, Sold Empty.
Claims use since Jan. 3, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 582,861. Julius Reinherz, doing business as Standard Liquidating Company, Brighton, Mass. Filed Aug. 2, 1949.

SLICKERS

For Polishing Wheels of Felt and Other Material.
Claims use since Mar. 1, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 527,830. The Edwal Laboratories, Inc., Chicago, Ill. Filed July 5, 1947. (Sec. 2f.)

SIGNAL SHORTSTOP

The word "Shortstop" is disclaimed.
For Mildly Acid Solution for Treating Photographic Film and Paper Between the Developing and Fixing Baths, the Said Acid Solution Containing a Color Indicator Which Shows When the Acid of the Solution Is Exhausted.
Claims use since Jan. 1, 1941.

Ser. No. 549,574. Lorena Peterson, doing business as Peterson Sales Company, St. Louis, Mo. Filed Feb. 12, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 283,828.
For Radiator Cement.
Claims use since May 10, 1930.

Ser. No. 581,208. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed June 28, 1949.

HI-SIL

For Finely Divided Silica in Pigmentary Hydrated Form for Use as a Reinforcing Agent in the Manufacture of Plastics, Rubber Goods, and Insecticides.
Claims use since Apr. 25, 1949.

Ser. No. 581,381. The Sherwin-Williams Company, Cleveland, Ohio. Filed June 30, 1949.

Aphamite

For Insecticide.
Claims use since May 13, 1947.

Ser. No. 588,240. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Sulphate of Iron.
Claims use since 1939.

Ser. No. 594,030. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

For Artificial and Synthetic Compositions, Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since 1910.

Ser. No. 594,033. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

JASMANTHIA

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since Sept. 6, 1938.

Ser. No. 594,034. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

NAEFCO

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since 1910.

Ser. No. 594,035. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

PARMANTHEME

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since Sept. 2, 1937.

Ser. No. 594,036. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

SOLPROTEX

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since June 1, 1937.

Ser. No. 594,037. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 16, 1950.

WARDIA

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since May 3, 1934.

Ser. No. 594,420. The Chemical Corporation, Springfield, Mass. Filed Mar. 1, 1950. (Sec. 2f.)

Luster-on

Applicant claims ownership of Registration No. 428,224.
For Chemical Preparations for Use in Brightening Zinc Surfaces.
Claims use since May 15, 1944.

Ser. No. 594,517. Bu-Tay Products, Ltd., Los Angeles, Calif. Filed Mar. 24, 1950.

butay

Applicant claims ownership of Registration No. 528,443.
For Water Softener.
Claims use since Feb. 14, 1950.

Ser. No. 594,737. Universal Western Chemical Corp., Chicago, Ill. Filed Mar. 27, 1950.

Sta-Silver

The word "Silver" is disclaimed.
For Chemical Preparation to Prevent Silver From Tarnishing and Restoring Its Luster.
Claims use since Feb. 15, 1950.

Ser. No. 594,756. Bowflux Company, Warren, Ohio. Filed Mar. 28, 1950.

BOWFLUX

For Flux for Use in Manufacture of Steel.
Claims use since July 5, 1946.

Ser. No. 595,687. Stauffer Chemical Company, San Francisco, Calif. Filed Apr. 13, 1950.

The mark comprises a fanciful outline of an arrowhead.
For Agricultural Parasiticides.
Claims use since Feb. 24, 1949.

Ser. No. 596,494. International Fire Equipment Corporation, Staten Island, N. Y. Filed Apr. 28, 1950.

INHIBITET

For Fire Extinguishing Liquid.
Claims use since Mar. 17, 1950.

Ser. No. 596,699. American Chemical Paint Company, Ambler, Pa. Filed May 2, 1950.

GRANOLAC

Applicant claims ownership of Registration No. 531,554.
For Rust Inhibitors.
Claims use since Apr. 4, 1950.

Ser. No. 596,700. American Chemical Paint Company, Ambler, Pa. Filed May 2, 1950.

GRANOLEUM

Applicant claims ownership of Registration No. 531,554.
For Rust Inhibitors.
Claims use since Apr. 4, 1950.

Ser. No. 596,708. Bersworth Chemical Company, Framingham, Mass. Filed May 2, 1950.

VERSENATE

For Compound of Di Sodium Salt of Ethylene Diamine Tetra Acetic Acid and Compounds Which Contain the Radical Ethylene Diamine Tetra Acetate, Used as Chelating Agent and for Testing the Presence of Metallic Ions.
Claims use since February 1948.

Ser. No. 599,591. The Roxborough Company, Philadelphia, Pa. Filed June 22, 1950.

PLASTISET

For Chemical Composition Added to a Dyeing Compound for Giving Hosiery a Duller Finish and Affording Resistance to Snags and the Like.
Claims use since Mar. 2, 1950.

Ser. No. 599,592. The Roxborough Company, Philadelphia, Pa. Filed June 22, 1950.

Plastitone

For Chemical Composition Added to a Dyeing Compound for Giving Hosiery a Duller Finish and Affording Resistance to Snags and the Like.
Claims use since Mar. 2, 1950.

Ser. No. 599,771. Monsanto Chemical Company, St. Louis, Mo. Filed June 26, 1950.

ALKOPHOS

For Aluminum Salts in Liquid and Solid Form.
Claims use since June 9, 1950.

Ser. No. 599,903. Rural Natural Gas Co., Cincinnati, Ohio. Filed June 28, 1950.

DOXOL

For Propane Gas.
Claims use since Mar. 15, 1950.

Ser. No. 599,954. Albert S. Liebers, New York, N. Y. Filed June 29, 1950.

U-Need-It

For Methanol Antifreeze.
Claims use since Apr. 10, 1950.

Ser. No. 599,970. Patron Chemical Corporation, Los Angeles, Calif. Filed June 29, 1950.

Quit

For Preparation for Removing Adhesive Tape.
Claims use since Mar. 23, 1950.

Ser. No. 600,013. Allied Chemical & Dye Corporation, New York, N. Y. Filed June 30, 1950.

ZOOM

For Insecticides.
Claims use since May 22, 1950.

Ser. No. 600,029. Godfrey L. Cabot, Inc., Boston, Mass. Filed June 30, 1950.

Di-BA

For Plasticizer.
Claims use since May 9, 1950.

Ser. No. 600,113. Armour and Company, Chicago, Ill. Filed July 1, 1950.

DUOMEEN

For Fatty Acid Amine Derivatives.
Claims use since May 23, 1950.

Ser. No. 600,229. Service Industries, Philadelphia, Pa. Filed July 5, 1950.

SERIN

For Acid/Alkali-Proof Coating.
Claims use since June 20, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 588,303. G. Larsens Pibefabrik A/S., Lillehammer, Norway. Filed Nov. 25, 1949.

LILLEHAMMER G.L

The word "Lillehammer" is disclaimed. Applicant claims ownership of Norwegian Registration No. 13,761, dated Aug. 26, 1926.
For Smokers' Articles, Especially Pipes.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 575,701. Gantner & Mattern Company, San Francisco, Calif. Filed Mar. 19, 1949.

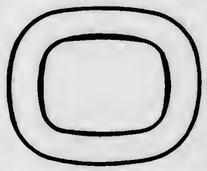
COLDFIRE

For Printing, Screening, and Drawing Inks.
Claims use since Feb. 28, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,737. Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company. Filed July 5, 1947. (Sec. 2f.)



Applicant claims ownership of Registration No. 381,498.
For Specially Prepared Ferrous Metal Products, Not Capable of General Use—Namely, Sheets, Strip, Commercial Coils, Plates, Commercial Shapes, Rods, Wire and Commercial Fabricated Parts, for Use in Building, Transportation and Drainage Construction and Particularly for Use in the Assembly of Trailer Body Sides and Roofs, Pullman Cars, Freight Cars, Hopper Cars, Aircraft Parts, Aircraft Fire Walls, Exhaust Ducts, Carburetor Rings, Marine Hulls and Hardware, Straight Seam Pipe, Spiral Pipe, Culverts, Reinforcements for Concrete Walls, Tunnel Liners, Arches for Drainage Conduits, Tanks for Chemical Storage Refining and Oil Processing Containers, Deck Plates, Boilers, Liquid and Pressure Vessels, Bridge Decking, Farm Fences, Reinforcing Bars and Light Wire for Concrete Forms.
Claims use since Mar. 10, 1941.

Ser. No. 563,987. American Reenforced Paper Company, Attleboro, Mass. Filed Apr. 2, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 287,270.
For Construction Materials—Namely, Copper Lined Sheet Material for Use on Floors, Walls, Ceilings and Roofs of Buildings and at the Joints Therebetween, and at the Joints Between Walls and Door or Window Frames to Insulate Against Air, Moisture, and Electric Energy, Also Sometimes Referred to as Sheathing, Flashing, and Shielding.
Claims use since October 1933.

Ser. No. 572,096. Globe Roofing Products Co., Inc., Whiting, Ind. Filed Jan. 13, 1949.

PRESTBRIC

Applicant claims ownership of Registrations Nos. 363,337 and 381,906.
For Asphalt and Felt Base Insulating Siding.
Claims use since Jan. 3, 1949.

Ser. No. 573,610. Howard B. Bishop, doing business as Kotal Company, Summit, N. J. Filed Feb. 10, 1949.

KOTAL

Applicant claims ownership of Registration No. 380,756.
For Chemical Compositions Used as an Additive Especially for Improving the Coating Properties of Asphalts Used in Conjunction With Mineral Aggregate When Laid Under Wet Conditions in the Construction of Bituminous Pavement.
Claims use since May 18, 1939.

Ser. No. 576,725. United States Gypsum Company, Chicago, Ill. Filed Apr. 6, 1949.

GOLD STAR

For Asphalt Roll Roofing.
Claims use since Aug. 13, 1934.

Ser. No. 596,131. The Tropical Paint & Oil Company, Cleveland, Ohio. Filed Apr. 21, 1950.

TROPICALK

For Caulking and Glazing Compound.
Claims use since Mar. 14, 1950.

Ser. No. 596,561. Crawford Door Company, Detroit, Mich. Filed Apr. 29, 1950.



For Complete Upward-Acting Door Installations Comprising Door and Hardware Sold as a Unit.
Claims use since June 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 496,411. United Tube Corporation, Elwood City, Pa. Original filed, act of 1905, Feb. 11, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1950.

Jewel Metal

The word "Metal" is disclaimed.
For Base-Metal Plates, Service Trays and Bowls.
Claims use since Oct. 4, 1945.

Ser. No. 544,552. Cyc-Arc Limited, London, England. Filed Dec. 17, 1947.

CYC-ARC

The word "Arc" is disclaimed. Applicant claims ownership of British Registration No. 638,240, dated June 27, 1945.
For Studs, Bolts, Screws, Tubes, Rods (Not Screw Threaded), Split Pins, Lugs, Cleats, Hooks, Nuts, and Rivets.

Ser. No. 564,445. Frazee & Russell Co., Glastonbury, Conn. Filed Aug. 31, 1948.

ZEE-RUSS

For Convertible Nursery Seats, Used Both as an Auxiliary Toilet Seat and as an Auxiliary Automobile Seat for Infants.
Claims use since January 1948.

Ser. No. 570,711. Earl Longfellow, doing business as Flexible Connector Co. of America, New York, N. Y. Filed Dec. 17, 1948

LONG-FLEX

The word "Flex" is disclaimed.
For Hose Coupling.
Claims use since July 20, 1948.

Ser. No. 571,568. Nehi Corporation, Columbus, Ga. Filed Jan. 3, 1949.

RC SODARM

For Beverage Dispensing Equipment Sold as a Unit—Namely, Soda Dispensing Faucet, Metal Pipe and Pipe Couplings, Low Pressure Valve Regulator, Metal Syrup Tank and Valves Therefor.
Claims use since Dec. 10, 1948.

Ser. No. 571,569. Nehi Corporation, Columbus, Ga. Filed Jan. 3, 1949.

SODARM

For Beverage Dispensing Equipment Sold as a Unit—Namely, Soda Dispensing Faucet, Metal Pipe and Pipe Couplings, Low Pressure Valve Regulator, Metal Syrup Tank and Valves Therefor.
Claims use since Dec. 10, 1948.

Ser. No. 573,612. The Blake & Johnson Company, Waterbury and Waterville, Conn. Filed Feb. 10, 1949.

TWIN FAST

Applicant claims ownership of Registration No. 405,273.
For Wood Screws and Sheet Metal Screws.
Claims use since June 10, 1943.

Ser. No. 591,045. National Tank Company, Tulsa, Okla. Filed Jan. 18, 1950. (Sec. 2f.)

TITE-LINE

Applicant claims ownership of Registration No. 352,522.
For Metal Pipe Couplings and Unions Including an Elastic Pipe Engaging Element, by Which the Coupling Members Are Flexibly Connected and Not Tightly Held.
Claims use since Aug. 1, 1932.

Ser. No. 596,426. Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Filed Apr. 27, 1950.

JAL-DUCT

The word "Duct" is disclaimed. Applicant claims ownership of Registrations Nos. 230,894 and 503,392.
For Steel Pipe.
Claims use since Mar. 31, 1950.

Ser. No. 596,897. Richard H. Budde, trading as R. H. Budde Plumbing Co., Omaha, Nebr. Filed May 5, 1950.

FAS-REP

For Repair Connectors for Broken Closet Float Valves.
Claims use since Apr. 20, 1950.

Ser. No. 598,032. Pabst Brewing Company, Chicago, Ill. Filed May 24, 1950. (Sec. 2f as to "Pabst.")

Pabst Blue Ribbon

The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 515,920 and 529,746.
For Metal Serving Trays.
Claims use since 1933.

Ser. No. 601,089. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed July 22, 1950.



For Bathtubs, Drinking Fountains, and Combination Lavatory Fittings—Namely, a Pop-Up Drain Valve, Hand Valves and Mixing Spouts, and Metal Pipe and Metal Pipe Fittings.
Claims use since June 9, 1950.

Ser. No. 601,090. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Filed July 22, 1950.



The drawing is lined for the colors red, blue and yellow.
For Bathtubs, Drinking Fountains, and Combination Lavatory Fittings—Namely, a Pop-Up Drain Valve, Hand Valves and Mixing Spouts, and Metal Pipe and Metal Pipe Fittings.
Claims use since June 9, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 598,178. Greenleaf Corporation, Wilkinsburg, Pittsburgh, Pa. Filed May 26, 1950.



The wording "Three Film Lubrication" is disclaimed. The drawing is lined for the colors yellow and red.
For Lubricating Oils.
Claims use since June 15, 1944.

Ser. No. 600,321. The Bird-Archer Company, New York, N. Y. Filed July 7, 1950.

KLENOL

For Chemical Compound Used as an Additive to Fuel Oil to Inhibit the Formation of Sludge and Promote Clean Burning of the Oil.
Claims use since Jan. 12, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,438. Taylor Brothers, Inc., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. (Sec. 2f.) CONCURRENT USE with Serial No. 571,944 for the area comprising the States of Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, and Louisiana.

BOHANNON'S HOME COMFORT

For Plug, Twist, and Smoking Tobacco.
Claims use since Jan. 1, 1900.

Ser. No. 571,944. The American Tobacco Company, New York, N. Y. Filed Jan. 11, 1949. CONCURRENT USE with Serial No. 525,438 for the area of the whole United States except the States of Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, and Louisiana.

HOME COMFORT

For Smoking and Chewing Tobacco.
Claims use since May 13, 1868.

Ser. No. 603,215. E. Waegemans & Son, Inc., Bridgeport, Conn. Filed Sept. 6, 1950.

EW

For Cigars.
Claims use since 1914.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,548. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Oct. 6, 1948.

ACID-V

The word "Acid" is disclaimed.
For Vitamin Containing Preparation Useful in the Treatment of Hypoacidity.
Claims use since Sept. 30, 1948.

Ser. No. 566,833. B. H. Cloud, doing business as Rainbow Ointment Company, Rocky Comfort, Mo. Filed Oct. 2, 1948.

RAINBOW

For Ointment for Treating Skin Diseases.
Claims use since Jan. 15, 1948.

Ser. No. 573,613. Bristol Laboratories Inc., Syracuse, N. Y. Filed Feb. 10, 1949.

INCILLATOR

For Medicinal Dust Inhaler Adapted for Insertion in the Nose or Throat and Containing a Medicinal Dust.
Claims use since Jan. 12, 1949.

Ser. No. 573,993. Tablerock Laboratories, Inc., Greenville, S. C. Filed Feb. 16, 1949.

NODALIN

For Synthetic Narcotic for the Relief of Pain.
Claims use since Dec. 29, 1948.

Ser. No. 579,609. Merck & Co., Inc., Rahway, N. J. Filed May 27, 1949.

DIBULINE

For Cholinergic-Blocking Substance of Use in Producing Relaxation of Stomach and Intestinal Muscle Spasms.
Claims use since May 20, 1949.

Ser. No. 584,390. Dornol Products, Inc., New York, N. Y. Filed Sept. 2, 1949.

DORNOL

For Medicinal Skin Formula, Medicated Talcum Powder, and Medicated Face Powder.
Claims use since June 15, 1949.

Ser. No. 586,706. Clabe Russell, Fort Worth, Tex. Filed Oct. 22, 1949.

CUR-O-DAN



C. RUSSELL

The portrait is that of the applicant.
For Medicated Preparation for Dandruff, Falling Hair, and Dry Scalp.
Claims use since Nov. 14, 1927.

Ser. No. 588,260. Rafael Puerto Galiano, Madrid, Spain. Filed Nov. 22, 1949.

OKALFEINA

Applicant claims ownership of Spanish Registration No. 175,820, dated June 1, 1947.
For Preparation for the Treatment of Headaches, Neuralgias, Coughs, Colds, Grippe, Muscular Aches and Pains, Fever, and for a Gargle for the Relief of Minor Throat Irritations, and All Such Other Related Human Ailments and Pathological Conditions in or for the Treatment of Which It May Be Necessary or Advisable To Administer Analgecics, Anodynes and Antipyretics.

Ser. No. 590,669. The S. E. Massengill Company, Bristol Tenn. Filed Jan. 11, 1950.

CINAGILL

For Respiratory Decongestant for Intramuscular Administration.
Claims use since Sept. 13, 1938.

Ser. No. 590,687. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

PLENAVITA

For Panvitamin Pharmaceutical Preparation Indicated for Use as a Supplement to the Daily Diet and to prevent Vitamin Deficiencies Where Food Intake Is Inadequate or Has To Be Limited.
Claims use since Dec. 17, 1941.

Ser. No. 590,689. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

SALAMAX

For Veterinary Preparation Suggested for the Internal Treatment of Fistula of the Withers, Poll Evil, and Other Chronic Suppurative Disorders.
Claims use since Jan. 12, 1938.

Ser. No. 590,693. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

URIDE

For Veterinary Preparation Containing Sulfonamides and Urea Which Is Suggested for Intra-Uterine Use in Retained Placenta, Metritis and Post Partum Pyometra.
Claims use since May 4, 1949.

Ser. No. 590,694. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

VEMORSUL

For Veterinary Preparation, Having Bacteriostatic Value, Which Is Indicated for Treatment of All Types of Wounds, Especially When Infection Is Present.
Claims use since Dec. 27, 1944.

Ser. No. 596,684. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 1, 1950.

SUL-SA-TAR

In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red. The word "Tar" is disclaimed.
For Medical Preparation—Namely, an Ointment of Sulfur Salicylic Acid, and Tar for Relief of Skin Disease.
Claims use since Apr. 25, 1950.

Ser. No. 597,810. Baxter Laboratories, Inc., Morton Grove, Ill. Filed May 20, 1950.

PYRO

For Non-Protein Bacterial Pyrogen.
Claims use since Dec. 16, 1949.

Ser. No. 598,475. Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England. Filed June 2, 1950.

ANAVENOL

Applicant claims ownership of British Registration No. 649,083, dated June 24, 1946.
For Anaesthetics.

Ser. No. 599,243. Injectables Research Corporation, Indianapolis, Ind. Filed June 16, 1950.

LENASORB

For Analgesic and Narcotic for Intra-Muscular Use for Relief of Pre- and Post-Operative Pain.
Claims use since May 10, 1950.

Ser. No. 599,547. Armour and Company, Chicago, Ill. Filed June 22, 1950.

DURACTAR

For Adrenocorticotropic Composition.
Claims use since June 9, 1950.

Ser. No. 599,611. Buffington's, Incorporated, Worcester, Mass. Filed June 23, 1950.

VASORUTIN

For Tablet for the Treatment of High Blood Pressure, Coronary Arterial Spasm, and Capillary Fragility.
Claims use since May 10, 1950.

Ser. No. 599,972. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed June 29, 1950.

TERRASERT

For Flavored Antibiotic Preparation for Oral Administration.
Claims use since June 16, 1950.

Ser. No. 600,011. Lily Yuriko Takaki, Honolulu, Territory of Hawaii. Filed June 27, 1950.

YOSHIDA-GWAN

The Japanese words are the equivalent of the English words "Good Round Field." Applicant claims ownership of Registration No. 374,524.
For Medicinal Preparation in the Form of Pills for the Temporary Relief of Minor Discomforts Due to Cold and Upset Stomach.
Claims use since May 1947.

Ser. No. 600,151. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed July 1, 1950.

NAXION

For Medicinal Preparation, More Particularly a Sodium Adsorbent for Use as a Dietary Supplement.
Claims use since May 10, 1950.

Ser. No. 600,412. The Bio-Ramo Drug Co., Inc., Baltimore, Md. Filed July 10, 1950.

RAMEPHRINE

For Injection Epinephrine Hydrochloride.
Claims use since May 1946.

Ser. No. 600,519. The Upjohn Company, Kalamazoo, Mich. Filed July 11, 1950.

Udicil

For Veterinary Ointment for the Treatment of Bovine Mastitis.
Claims use since June 23, 1950.

Ser. No. 600,520. The Upjohn Company, Kalamazoo, Mich. Filed July 11, 1950.

Udimycil

For Veterinary Ointment for the Treatment of Bovine Mastitis.
Claims use since June 23, 1950.

Ser. No. 600,896. Eli Lilly and Company, Indianapolis, Ind. Filed July 19, 1950.

AMPHEDROXYN HYDROCHLORIDE

The word "Hydrochloride" is disclaimed.
For Medicinal Preparation of Methamphetamine Hydrochloride Used as a Stimulant to the Central Nervous System.
Claims use since May 29, 1950.

Ser. No. 601,051. Frank L. Iungerich, St. Louis, Mo. Filed July 21, 1950.

NORMISS

For Analgesic Tablets.
Claims use since June 15, 1950.

CLASS 19
VEHICLES

Ser. No. 557,266. Douglas (Kingswood) Limited, Kingswood, Bristol, England. Filed May 18, 1948.



The representation of the man is fanciful. The word "Douglas" is disclaimed. Applicant claims ownership of British Registration No. 446,547, dated Mar. 19, 1924.
For Goods as Follows—Motor Cycles.

Ser. No. 557,643. The Yale & Towne Manufacturing Company, New York, N. Y. Filed May 22, 1948. (Sec. 2f.)

WALKER

Applicant claims ownership of Registration No. 328,768.
For Motor Driven Trucks.
Claims use since 1903.

Ser. No. 560,374. Atlas Supply Company, Newark, N. J. Filed June 29, 1948.

ATLAS

For Pedal Pads Made of Live Rubber and Live Rubber and Steel for Attachment to the Accelerator and Clutch and Brake Pedals of Automobiles.
Claims use since Oct. 17, 1947.

Ser. No. 577,671. Ideal Industries, El Monte, Calif. Filed Apr. 25, 1949.



The drawing is lined for the color red.
For Trailer Coaches.
Claims use since Nov. 15, 1948.

Ser. No. 582,038. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed July 15, 1949.

Hiawatha

The mark is the name of the celebrated Indian chief, and hero of Longfellow's poem. Applicant claims ownership of Registration No. 352,996.
For Rowboats and Motor Scooters.
Claims use since January 1941.

Ser. No. 588,246. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Railway Cars and Wheelbarrows.
Claims use since May 30, 1948.

Ser. No. 598,720. Flight Equipment and Engineering Corp., Miami, Fla. Filed June 7, 1950.

Payloader

For Aircraft Seats and Leg Rests and Parts Therefor.
Claims use since Oct. 15, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 549,226. Bulldog Electric Products Co., Detroit, Mich. Filed Feb. 10, 1948.



For (a) Splicers, Connectors, Couplings, and Clamps, for Electrical Conductors, Except for Such Conductors as Are Exposed or Bared and Actually Used as Trolley Wires; (b) Electrical Distribution Apparatus Comprising Sheet Metal Sectional Duct Runs Containing Conductors and Covers; (c) Electrical Distribution Apparatus Comprising Sheet Metal Duct Runs Containing Naked Bus Bars and Provided With Apertures Providing External Access Thereinto, and Also Provided With Movable Covers of Large Area; (d) Electrical Distribution Apparatus Comprising Sheet Metal Duct Runs Containing Naked Bus Bars and Provided With Apertures Providing External Access Thereto, and Also Provided With Large Area Movable Covers, the Apparatus Further Including Fused Plugs Having Prongs Engaging Said Bus Bars and Plugged Into the Holes of the Conduit, the Conduit Holes Being Sealed at All Times by Movable Covers Therefor, or by Said Plugs; (e) Electrical Distribution Apparatus Comprising Duct Runs Containing Bus Bars and Provided With Elongated Slots Through Which May Ride Portions of Trolleys, These Having Contacts Engaging the Bus Bars and Riding Therealong as the Trolleys Are Moved Along and in the Duct; (f) Switches; (g) Panelboards and Switchboards; (h) Fused Blocks and Parts Thereof.
Claims use since Jan. 1, 1927.

Ser. No. 554,585. Bastian Morley Co. Inc., La Porte, Ind. Filed Apr. 14, 1948.

TANK LIFEGUARD

The word "Tank" is disclaimed.
For Magnesium Rods to Prevent Corrosion of the Interior Walls of a Hot Water Tank by Electrolytic action.
Claims use since January 1948.

Ser. No. 556,038. Van der Heem N. V., The Hague, Netherlands. Filed May 1, 1948.

GLOBUS

Applicant claims ownership of Dutch Registration No. 72,975, dated July 12, 1938.
For Electrical Household Appliances—Namely, Electrical Vacuum Cleaners, Electrical Floor Polishers, Electrical Fans, Electrical Coffee Grinders, Electrical Stirring Devices, Electrical Mixing Devices, and Electrical Lemon Squeezers.
Claims use since June 1, 1938; and use in commerce between the Netherlands and the United States on June 1, 1938.

Ser. No. 556,039. Van der Heem N. V., The Hague, Netherlands. Filed May 1, 1948.

GLORIA

Applicant claims ownership of Dutch Registration No. 74,849, dated Oct. 19, 1939.
For Electric Coffee Grinders, Electric Food Stirring and Mixing Devices, Electric Lemon Squeezers.
Claims use since Sept. 1, 1939; and first used in commerce between the Netherlands and the United States since Sept. 1, 1939.

Ser. No. 556,040. Van der Heem N. V., The Hague, Netherlands. Filed May 1, 1948.

MISTRAL

Applicant claims ownership of Dutch Registration No. 71,504, dated Aug. 5, 1937.
For Electric Vacuum Cleaners, Electric Floor Polishers, Electric Fans, Electric Coffee Grinders, Electric Food Stirring and Mixing Devices, Electric Lemon Squeezers.
Claims use since July 1, 1937; and first used in commerce between the Netherlands and the United States since July 1, 1937.

Ser. No. 560,687. Egyptian Sales Co., Boston, Mass. Filed July 3, 1948.

COSMELITE

For Lamp Shades for Electric Lamps.
Claims use since May 1, 1948.

Ser. No. 566,234. Jordan Electrical Manufacturing Company, Minneapolis, Minn. Filed Oct. 1, 1948. (Sec. 2f.)

Jordan

For Regular, Fast and Trickle Storage Battery Chargers, Storage Battery Booster Chargers, Battery Cables, Spark Plugs, Electric Wire, Ignition Points, Ignition Coils, Condensers, Ignition Cable Sets or Wiring Harness, Ignition Distributor Caps, Ignition Distributor Rotors, and Electric Motors and Generators, and Parts Thereof.
Claims use since 1927.

Ser. No. 575,841. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed Mar. 22, 1949.

CHEMCO

Applicant claims ownership of Registrations Nos. 353,142 and 353,510.
For Photographic, Photoengraving, and Photomechanical Supplies—Namely, Infra-Red Heating Lamps.
Claims use since Jan. 1, 1920.

Ser. No. 581,557. Hollandia Toy & Furniture Co., Inc., Wilmington, Del., New York, N. Y., and Princess Anne, Md. Filed July 6, 1949.



The figure shown in the drawing is fanciful. The drawing is lined for red.
For Electric Lamps.
Claims use since June 14, 1949.

Ser. No. 585,533. Justrite Manufacturing Company, Chicago, Ill. Filed Sept. 29, 1949.

Yellow-Flash

The word "Flash" is disclaimed.
For Portable Flashlight Lanterns.
Claims use since Aug. 1, 1949.

Ser. No. 588,090. Hungerford Plastics Corporation, New Providence, N. J. Filed Nov. 19, 1949.

LAZY-LITE

The word "Lite" is disclaimed.
For Electrical Table and Wall Lamps.
Claims use since Oct. 4, 1947.

Ser. No. 588,429. Electric Insulation Company, also known as Electric Insulation Co., Philadelphia, Pa. Filed Nov. 28, 1949.

EIC

For Varnished and Unvarnished Cambric Tape and Sheets for Electrical Insulation.
Claims use since Oct. 21, 1949.

Ser. No. 588,714. The O. A. Sutton Corporation, Inc., Wichita, Kans. Filed Dec. 2, 1949.



For Electric Fans for Domestic and Commercial Use, Electric Heater Fans for Domestic Use, and Parts Thereof.
Claims use since July 15, 1948.

Ser. No. 589,601. Spun-Glo Products Co., Chicago, Ill. Filed Dec. 19, 1949.

SPUN GLO

For Shades for Electric Lamps.
Claims use since December 1944.

Ser. No. 590,283. Rembrandt Lamp Corporation, Chicago, Ill. Filed Jan. 3, 1950.

Shadowbox

For Shades for Electric Lamps.
Claims use since Dec. 7, 1949.

Ser. No. 593,588. The Electric Storage Battery Company, Philadelphia, Pa. Filed Mar. 8, 1950.

PORMAX

For Microporous Storage Battery Separators and Retainers.
Claims use since Feb. 8, 1950.

Ser. No. 594,559. Henry C. McCullough, doing business as VMC Coil Company, Atlanta, Ga., assignor to Carter Coil Company, Atlanta, Ga., a corporation of Georgia. Filed Mar. 24, 1950.

VMC

For Form Wound Coils for Electric Motors.
Claims use since Oct. 1, 1938.

Ser. No. 596,969. American Electric Cable Co., Holyoke, Mass. Filed May 6, 1950.

POWER STREAK

The word "Power" is disclaimed.
For Electric Automotive, Radio, and Appliance Wires.
Claims use since Jan. 5, 1949.

Ser. No. 599,237. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed June 16, 1950.

Tru-Heat

The word "Heat" is disclaimed.
For Electric Flatirons.
Claims use since Nov. 20, 1944.

Ser. No. 599,426. Thomas E. Fairbairn, doing business as Video Associates, Toledo, Ohio. Filed June 20, 1950.

Vi-A

For Antennae and Parts Thereof.
Claims use since May 16, 1950.

Ser. No. 599,584. Reading Batteries, Inc., Reading, Pa. Original filed, act of 1946, Supplemental Register, June 22, 1950; amended to application, Principal Register, Feb. 5, 1951.

ARMORGLASS R

No claim is made to the word "Armorglass."
For Storage Batteries.
Claims use since Oct. 27, 1945.

Ser. No. 599,701. Federal Electric Products Company, Newark, N. J. Filed June 24, 1950.

NOARK

Applicant claims ownership of Registrations Nos. 48,403, 59,807, and 215,473.
For Electric Switches; Meter Troughs and Accessories Thereto—Namely, Endwalls, Covers, Sealing Rings, Coupling Straps, and Conduit Hubs and Nipples; Circuit Breakers; Panelboards; Motor Starters, Controllers, and Accessories Thereto—Namely, Push Button Stations, Pilot Lights, Relays, Overload Heaters, and Control Circuit Transformers; Bus Ducts and Accessories Thereto—Namely, Fittings and Adapters, Plug-In Load Protective Devices Such as Circuit Breakers and Fusible Switches, Attachments Such as Bus Bar Extensions and Hangers, Plug-In Capacitor Units, and Plug-In Ground Detector Units; Motor Control Centers—Namely, Cabinets Containing Motor-Control Equipment; Switchboards; and Service and Fuse Boxes.
Claims use since 1898.

Ser. No. 600,298. McMath-Axilrod Corporation, Dallas, Tex. Filed July 6, 1950.

McAX

For Electrical Display and Advertising Signs.
Claims use since Jan. 1, 1946.

Ser. No. 600,906. National Rubber Machinery Company, Akron, Ohio. Filed July 19, 1950.

National

For Electrically Operated Domestic Garbage Disposal Units.
Claims use since Sept. 8, 1948.

Ser. No. 601,177. United States Radiator Corporation, Detroit, Mich. Filed July 24, 1950.

U.S.

Applicant disclaims the abbreviation "U. S."
For Electric Water Heaters.
Claims use since Aug. 1, 1949.

Ser. No. 604,032. Quality Products Co., Providence, R. I. Filed Sept. 26, 1950.

ACE

For Starters for Fluorescent Lamps.
Claims use since June 12, 1950.

CLASS 22
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 572,163. Chicago Roller Skate Company, Chicago, Ill. Filed Jan. 14, 1949.

FLYING SCOUT

For Roller Skates.
Claims use since January 1933.

Ser. No. 574,190. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Feb. 21, 1949.

The Ball Master

The word "Ball" is disclaimed.
For Bowling Bags.
Claims use since April 1947.

Ser. No. 580,693. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed June 17, 1949.

SPEED-WIN

Applicant claims ownership of Registration No. 516,739.
For Skis.
Claims use since May 25, 1949.

Ser. No. 583,061. William T. Waters, New York, N. Y. Filed Aug. 5, 1949.

ATTABATTA

For Game Played as an Imaginary Baseball Game Employing Charts Denoting Plays of a Real Game of Baseball and Playing Pieces Cast as Dice.
Claims use since Apr. 19, 1949.

Ser. No. 583,062. William T. Waters, New York, N. Y. Filed Aug. 5, 1949.

ATTABOSS

For Game Played as an Imaginary Baseball Game Employing Charts Denoting Plays of a Real Game of Baseball and Playing Pieces Cast as Dice.
Claims use since Mar. 15, 1949.

Ser. No. 584,399. House-Proud Utilities, Inc., New York, N. Y. Filed Sept. 2, 1949.

BENDY THE BUNNY

The word "Bunny" is disclaimed.
For Toy Bunnies.
Claims use since June 27, 1949.

Ser. No. 586,996. William J. Velliky, Detroit, Mich. Filed Oct. 28, 1949.

ChipperS

For Game Including Movable Pieces on a Marked Board.
Claims use since Sept. 24, 1949.

Ser. No. 587,100. Guy M. Bean, Los Angeles, Calif. Filed Nov. 1, 1949.

URTURN

For Open Racks for Holding Stacked Decks of Playing Cards in Position Accessible to Card Players.
Claims use since Sept. 15, 1948.

Ser. No. 599,350. The United States Playing Card Company, Cincinnati, Ohio. Filed June 17, 1950.

CARAVAN

Applicant claims ownership of Registrations Nos. 336,291 and 336,325.
For Playing Cards.
Claims use since Oct. 6, 1928.

Ser. No. 599,353. The United States Playing Card Company, Cincinnati, Ohio. Filed June 17, 1950.

TORPEDO

For Playing Cards.
Claims use since 1917.

Ser. No. 599,565. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Filed June 22, 1950.

"CUB"

Applicant claims ownership of Registration No. 520,166.
For Roller Skates.
Claims use since Nov. 15, 1938.

Ser. No. 600,399. South Bend Bait Company, South Bend, Ind. Filed July 8, 1950.

WHISTLER

For Fishing Tackle, Particularly Artificial Fishing Lures.
Claims use since June 16, 1950.

Ser. No. 600,489. Ideal Novelty & Toy Co., Hollis, N. Y. Filed July 11, 1950.

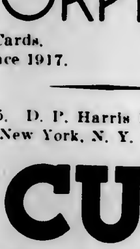
KISS ME

For Dolls.
Claims use since July 3, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 539,066. McQuay-Norris Manufacturing Co., St. Louis, Mo. Filed Oct. 25, 1947. (Sec. 2f.)



No claim is made to the words "Auto Parts" nor to the words "Proven in Service" per se. Applicant claims ownership of Registrations Nos. 422,882, 427,343, 427,344, and 434,434.

For Engine Parts and Tools—Namely, Pistons, Piston Expanders, Piston Pins and Parts Thereof, Bearings, Bearing Bolts, Bushings, Cylinder Sleeves, Rocker Arm Shaft Assemblies, Engine Valves and Parts Thereof, Valve Guides, Water Pumps and Parts Thereof, Cam Shaft Bearing Tool, Piston Chamfering and Drilling Tool, Valve Guide Tools, Water Pump Refacing Tool, Piston Resizers, and Piston Ring Filing Machines.
Claims use since January 1933.

Ser. No. 548,533. Claude B. Schneible Company, Detroit, Mich. Filed Jan. 31, 1948.

VELOCITRAP

For Particle Separators and Settler Equipment for Settling Heavy Particles Carried by a Fluid Stream, a Typical Separator Consisting of a Conduit Having a Portion in the Shape of an Elbow, the Heel of the Elbow Being Cut Away, and a Trap Compartment Communicating With the Opening in the Heel of Said Conduit for Retaining the Solid Materials Thrown Out of an Air or Gaseous Stream Containing Particulate Matter and Drawn Through the Conduit Under Sufficient Velocity To Throw Out Such Particulate Matter Into the Compartment.
Claims use since June 18, 1945.

Ser. No. 550,950. J. P. Ratigan, Inc., Los Angeles, Calif. Filed Mar. 1, 1948. (Sec. 2f.)

SUREGRIP

For Oil Well Equipment—Namely, Oil-Less Beam Hangers and Rod Hangers, Polish Rod Grips and Clamps, Spring Sucker Rod Hooks, Sucker Rod Elevators, Spring Swivel Links and C Links, Oil-Less Beam Rockers and Stirrup Bearings, Stuffing Boxes, Horseheads, Tubing Tongs, Rod Wrenches and Coupling Wrenches, Tubing Block Clamps, Bell Nipples, Shock Absorbers, Stringing-Up Links, Adjustable Sucker Rod Line Weights, Combination Rod Wipers, and Rod Cutters.
Claims use since 1917.

Ser. No. 558,230. Maremont Automotive Products, Inc., Chicago, Ill. Filed June 1, 1948. (Sec. 2f as to "Maremont.")



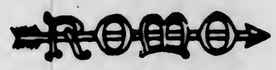
The drawing is lined for the colors red and yellow.
For Automotive Mufflers and Parts Thereof—Namely, Tail Pipes, Exhaust Pipes, Muffler Clamps, Muffler and Tail Pipe Hangers; Disc Blades for Cultivators, Cultivator Shovels or Sweeps, and Garden Cultivators.
Claims use since Nov. 1, 1939, as to the mark shown; and since Oct. 1, 1877, as to the mark "Maremont."

Ser. No. 568,781. Downingtown Manufacturing Company, Downingtown, Pa. Filed Nov. 15, 1948.

CONFLOW Vat

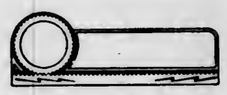
The word "Vat" is disclaimed.
For Vats Equipped With Baffles and Used in Conjunction With the Cylinder Molds of Paper Board Machines.
Claims use since Aug. 27, 1948.

Ser. No. 574,784. Mitchell Mogal, Inc., New York, N. Y. Filed Mar. 2, 1949. (Sec. 2f.)



Applicant claims ownership of Registration No. 125,249.
For Razors, Shears, Scissors, Hair-Clippers, Beard-Clippers, Horse and Other Animal Hair Clippers, Hedge-Clippers, Pocket-Knives, and Butcher-Knives.
Claims use since Apr. 1, 1917.

Ser. No. 577,996. Howard Vermette, doing business as Vermette Machine Co., Hammond, Ind. Filed Apr. 29, 1949.



For Pipe and Bolt Threading Machines.
Claims use since Apr. 12, 1949.

Ser. No. 578,924. Flint & Walling Mfg. Co. Inc., Kendallville, Ind. Filed May 16, 1949.

VARIJET

For Power Driven Pumps and Parts Thereof.
Claims use since January 1949.

Ser. No. 581,277. The Midland Company, South Milwaukee, Wis. Filed June 29, 1949.



Applicant claims ownership of Registrations Nos. 383,810 and 430,280.
For Garden Tractors, Seeders, Combination Seeders and Cultivators, Broadcast Seeders, Mulchers, Wheel Hoes, Disc Hoes, Crust Breakers, and Cement Block Making Machines.
Claims use since June 21, 1949.

Ser. No. 595,145. McCulloch Motors Corporation, Los Angeles, Calif. Filed Apr. 3, 1950. (Sec. 2f.)

McCULLOCH

For Portable Chain Saws, Centrifugal Pumps, and Chain Saw Grinders.
Claims use since June 1948.

Ser. No. 597,576. Baker Flash-O-Trac Co., Inc., Plainview, Tex. Filed May 17, 1950.

FLASHOTRAC SYSTEM

The word "System" is disclaimed.
For Fuel Supply Tanks Equipped With a Vaporizer for the Fuel for Connection With the Fuel Supply Inlet of an Internal Combustion Engine, and Fuel Supply Systems for Such Engines, Comprising Said Fuel Supply Tank and Vaporizer With Accessories Therefor—Namely, a Regulator, Bracket, Hose and Clamps Sold as a Unit.
Claims use since Jan. 1, 1950.

Ser. No. 598,266. The Murray Company of Texas, Inc., doing business under the name and style of Boston Gear Works, Dallas, Tex., and North Quincy, Mass. Filed May 27, 1950. (Sec. 2f as to "Boston.")

BOSTON Gear

The word "Gear" is disclaimed. Applicant claims ownership of Registrations Nos. 296,584, 296,762, 522,911, and 522,912.
For Spur Gears, Worm Gears and Worms Therefor, Miter Gears, Spiral Gears, Spiral Miter Gears, Non-Metallic Gears, Change Gears, Internal Gears, Bevel Gears, Racks and Pinions Therefor, Gear Boxes, Bearings, Bushings, Pillow Blocks, Flanged Cartridge Pillow Blocks, Mechanical Shaft Supports, Jaw and Flexible Shaft Couplings, Chain Drives Sprocket Wheels, Chains for Sprocket Wheels, Pulleys, Speed Reducers, Universal Joints, Thrust Washers, and Pinion Wire and Stem Pinions.
Claims use since May 1, 1949.

Ser. No. 599,071. American Iron and Machine Works Company, Oklahoma City, Okla. Filed June 14, 1950.

AMWELD

For Rotary Drill Pipe Tool Joints.
Claims use since Jan. 4, 1949.

Ser. No. 599,841. National Silver Company, New York, N. Y. Filed June 27, 1950.

HYDRONIZED

For Stainless Steel Table Cutlery—Namely, Knives, Forks, and Spoons.
Claims use since May 25, 1950.

Ser. No. 600,884. Fuller Company, Catasauqua, Pa. Filed July 19, 1950.

F-H AIRSLIDE

For Air Activated Gravity Conveyors for Dry Pulverulent Material and Parts and Accessories Therefor.
Claims use since Jan. 7, 1949.

Ser. No. 601,267. Long Super Mine Car Company, Fayetteville and Oak Hill, W. Va. Filed July 26, 1950.

PIGGYBACK

For Power Driven Endless Conveyors.
Claims use since May 9, 1949.

Ser. No. 603,520. Ellicott Machine Corporation, Baltimore, Md. Filed Sept. 14, 1950.



For Hydraulic Dredges and Parts Thereof.
Claims use since Mar. 9, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 543,255. The Acra Company, Baltimore, Md. Filed Dec. 4, 1947.

ACRA

For Philatelic Accessories—Namely, Color Filters for Stamps and Cancelation Identification, and Stamp Perforation Gauges.
Claims use since July 5, 1947.

Ser. No. 557,629. Realty and Industrial Corporation, Convent, N. J. Filed May 22, 1948. (Sec. 2f.)

STEEL-SIX

For Portable Ammeters, Milli-Ammeters, Voltmeters, Milli-Voltmeters, Wattmeters, Power Factor Meters, and Frequency Meters.
Claims use since 1909.

Ser. No. 558,238. Paragon Electric Company, Two Rivers, Wis. Filed June 1, 1948.

TIME-AID

The word "Time" is disclaimed.
For Electric Timing Device of the Horological Instrument Type, Geared so as to Actually Measure Time in Controlling Intervals in Connection With Electrical Circuits.
Claims use since Mar. 16, 1948.

Ser. No. 560,295. Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Filed June 26, 1948.



For Balances, Balance Weight Set Cases, Instrument and Gauge Panels, Laboratory Water Baths, Graduated Metal Flasks, Calorimeters, Laboratory Centrifuges, Microscopes, Gas Analysis Apparatus, Incubators, Electric Clock Operated Switches, Hydrogen Ion Measuring Apparatus, Spectro-Photometers, Microtomes, Barometers, Projectors and Refractometers.
Claims use since April 1922.

Ser. No. 564,364. American Optical Company, Southbridge, Mass. Filed Aug. 28, 1948.

GINGER

For Ophthalmic Frames and Mountings.
Claims use since June 30, 1948.

Ser. No. 568,663. M. H. Rhodes Incorporated, Hartford, Conn. Filed Nov. 12, 1948.



The word "Time" is disclaimed. Applicant claims ownership of Registration No. 349,171.
For Parking Meters, and Timers Which Contain Both a Time Measuring and Switching Mechanism Used for the Control of the Operation of the Apparatus to Which it is Attached.
Claims use since 1936.

Ser. No. 570,330. The Sperry Corporation, Great Neck, N. Y. Filed Dec. 10, 1948.

ZERO READER

For Navigational and Gyroscopic Flight Instruments for Use in Manually Flying Aircraft.
Claims use since Mar. 16, 1946.

Ser. No. 570,651. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 16, 1948.

COLD SPOT

For Thermostatically Controlled Temperature Indicating Devices for Food Freezers.
Claims use since Jan. 15, 1947.

Ser. No. 570,998. American Time Corporation, Springfield, Mass. Filed Dec. 23, 1948.

Portachron

For Reset Timers Comprising Electrical Timers Geared To Measure Time in Controlling Intervals in Connection With Electrical Circuits.
Claims use since Jan. 15, 1948.

Ser. No. 579,153. Robertshaw-Fulton Controls Company, Greensburg, Pa. Filed May 18, 1949.



For Thermostats, Thermostatic Temperature Controls Adapted To Be Employed for Controlling the Supply of Heat to Cooking, Heating, and Water Heating Equipment, Thermostatic Valves, Thermostatic Switches, and Expansible Fluid Thermal Units for Use in Thermostatic Temperature Controlling Devices.
Claims use since July 15, 1948.

Ser. No. 585,156. Continental Optical Company, Inc., Indianapolis, Ind. Filed Sept. 22, 1949.

Crestline

For Spectacle Frames and Mountings.
Claims use since Aug. 29, 1949.

Ser. No. 587,153. Universal Camera Corporation, New York, N. Y. Filed Sept. 29, 1949.

CAVALIER

For Cameras and Photographic Accessories—Namely, Camera Lenses, Optical View Finders and Range Finders.
Claims use since Sept. 19, 1946.

Ser. No. 597,877. Benjamin S. Ebersole, doing business as Allied Litho Supply Co., San Francisco, Calif. Filed May 22, 1950.

VIOLITE

The word "Lite" is disclaimed.
For Light Box or Cabinet for Exposing Printing Plates.
Claims use since Dec. 10, 1949.

Ser. No. 598,302. Hull Manufacturing Company, Warren, Ohio. Filed May 29, 1950.

HULL

For Magnetic Compasses.
Claims use since Sept. 1, 1933.

Ser. No. 599,315. Diwa Manufacturing Company, Gentofte, Denmark. Filed June 17, 1950.

DIWA

For Drawing Instruments and Drawing Articles for Engineers and Architects—Namely, Slide Rules, Conversion Rules, Triangles, Measuring Rules, Scales and Gauges for Measuring, Compasses, Geometrical Drawing Instruments, Stencilling Plates, Rulers, T-Squares and Parts for the Foregoing.
First used on Dec. 28, 1948, and first used in commerce between Denmark and the United States which may lawfully be regulated by Congress on Dec. 28, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 579,466. J. R. Wood & Sons, Inc., New York, N. Y. Filed May 24, 1949.

PICTURE FRAME

For Finger Rings.
Claims use since Jan. 2, 1949.

Ser. No. 585,493. Vanity Fair Pearls, Inc., Brooklyn, N. Y. Filed Sept. 14, 1949.



For Costume Jewelry Made of Simulated Pearls—Namely, Necklaces, Bracelets, Earrings, Garment Buckles, Buttons and Accessories.
Claims use since Jan. 3, 1949.

Ser. No. 588,641. The Gem-O-Graph Company, New York, N. Y., assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Filed Dec. 1, 1949.

GEM - O - GRAPH

The word "Gem" is disclaimed.
For Cut Diamonds.
Claims use since Nov. 18, 1949.

Ser. No. 592,172. Trifari, Krussman & Fishel, Inc., Providence, R. I., and New York, N. Y. Filed Feb. 8, 1950.

HALTERETTES

For Jewelry for Personal Wear, Not Including Watches—Namely, Necklaces and Brooches, Jewelry Clips.
Claims use since Jan. 9, 1950.

Ser. No. 595,973. Joseph H. Meyer Bros., Brooklyn, N. Y. Filed Apr. 19, 1950.

XXX

For Pearl Jewelry—Namely, Necklaces, Earrings, Finger Rings, and Bracelets.
Claims use since October 1905.

Ser. No. 599,664. Speidel Corporation, Providence, R. I. Filed June 23, 1950.

Chiquita

For Bracelets (Not Including Watches).
Claims use since June 2, 1950.

Ser. No. 600,267. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

BAND BOX

For Watch Bracelets.
Claims use since May 10, 1950.

Ser. No. 600,276. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

ROYAL ARCHER

For Watch Bracelets.
Claims use since June 15, 1949.

Ser. No. 600,278. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

ROYAL CHAMPION

Applicant claims ownership of Registration No. 443,849.
For Watch Bracelets.
Claims use since Nov. 15, 1948.

Ser. No. 600,281. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

ROYAL HEART

For Watch Bracelets.
Claims use since Mar. 10, 1949.

Ser. No. 600,282. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

ROYAL SEASHELL

For Watch Bracelets.
Claims use since Mar. 10, 1949.

Ser. No. 600,284. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

TRAFALGAR SQUARE

For Watch Bracelets.
Claims use since June 15, 1949.

Ser. No. 600,285. Jacoby-Bender, Inc., New York, N. Y. Filed July 6, 1950.

TRIUMPH

For Watch Bracelets.
Claims use since Apr. 15, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 520,580. Whiting-Adams Company, Inc., Boston, Mass. Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1948. (Sec. 2f.)

XXX CHICAGO

Applicant disclaims the "XXX" in the mark.
For Brushes for Painting, Varnishing, or Similar Liquid-Applying Use, and for Cleaning, Polishing, and Sweeping.
Claims use since Jan. 1, 1922.

Ser. No. 559,339. Sears, Roebuck and Co., Chicago, Ill. Filed June 16, 1948. (Sec. 2f as to the wording.)

SEARS *Approved*

Applicant claims ownership of Registration No. 280,570.
For Clothes Brushes, Hair Brushes, Shaving Brushes, Bath Brushes, Tooth Brushes, Nail and Hand Brushes, Household Brushes and Dusters, Military Brushes.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 568,734. Hewitt-Robins Incorporated, Buffalo, N. Y. Filed Nov. 13, 1948.

HR

For Mattresses, Pillows, Seat Cushions, Seat Back Cushions, Arm Rest Cushions, and Upholstery Padding and Cushioning Components, All Made of Latex Rubber Foam.
Claims use since Sept. 15, 1947.

Ser. No. 577,892. David M. Lea & Company, Incorporated, Richmond, Va. Filed Apr. 28, 1949.

LEA LINE LEADS

The words "Lea," "Line" and "Leads" are disclaimed.
For Furniture, Including Chests, Dressers, Chests of Drawers, Beds, and Vanities.
Claims use since Jan. 2, 1946.

Ser. No. 582,370. L. A. Young Spring & Wire Corporation, San Leandro, Calif. Filed July 22, 1949.

"SPRINGTREE"

For Display Racks.
Claims use since May 15, 1947.

Ser. No. 595,370. Empire Parlor Furniture Co., Chelsea, Mass. Filed Apr. 7, 1950.

Thriftmaster

For Household Furniture—Namely, Upholstered Chairs, Sofas, and Divans, and Non-Upholstered Chairs, Tables, Benches.
Claims use since Sept. 15, 1949.

Ser. No. 595,885. The Englander Company, Inc., Chicago, Ill. Filed Apr. 18, 1950.

MOONLITE

For Mattresses and Box Springs.
Claims use since May 2, 1945.

Ser. No. 596,895. Avco Manufacturing Corporation, Cincinnati, Ohio. Filed May 5, 1950.

Storabin

For Drawers for Cabinets.
Claims use since Mar. 16, 1950.

Ser. No. 597,527. Thomas J. Kelleher, doing business under the name of Kelson Products, Chicago, Ill. Filed May 16, 1950.

Kiddy-Robe

The word "Kiddy" is disclaimed.
For Clothes Rack.
Claims use since May 2, 1950.

Ser. No. 597,599. The Englander Company, Inc., Chicago, Ill. Filed May 17, 1950.

Equalizer

For Mattresses and Box Springs.
Claims use since Jan. 14, 1945.

Ser. No. 597,601. Feature Items, Inc., New York, N. Y. Filed May 17, 1950.

CONTIN-U-RAIL

The word "Rail" is disclaimed.
For Garment Hanging Racks.
Claims use since July 18, 1949.

Ser. No. 597,629. Schadt & Mathewson, Detroit, Mich. Filed May 17, 1950.



The drawing is lined to indicate the color blue, but no claim is made to color. The word "Brand" is disclaimed.
For Bed Pillows, Baby Cushions, Mattresses, Upholsterers' Seat Cushions, Sofa or Decorative Cushions.
Claims use since August 1917.

Ser. No. 598,764. Traverse Vertical Blind Co., Inc., Wichita, Kans. Filed June 7, 1950.

"TRAVERTICAL"

For Venetian Blinds.
Claims use since Apr. 25, 1950.

Ser. No. 599,560. Folding Products Manufacturing Corporation, New York, N. Y. Filed June 22, 1950.

FOLDEX

For Folding Tables.
Claims use since June 1, 1950.

Ser. No. 599,585. Rembrandt Lamp Corporation, Chicago, Ill. Filed June 22, 1950. (Sec. 2f.)

Rembrandt

Applicant claims ownership of Registrations Nos. 276,950, 411,887, and 414,292.
For Tables Suitable for Use as Occasional Furniture.
Claims use since Nov. 18, 1942.

CLASS 33

GLASSWARE

Ser. No. 552,785. Imperial Glass Corporation, Bellaire, Ohio. Filed Mar. 23, 1948. (Sec. 2f.)

Cape Cod

For Glassware for Table, Culinary, Household and Decorative Purposes, the Latter Being Vases, Urns and Flower Bowls.
Claims use since Aug. 1, 1932.

Ser. No. 595,559. Rene Lalique et Cie S. R. L., Paris, France. Filed Apr. 11, 1950. (Sec. 2f.)

LALIQUE

For Glassware—Namely, Tableware Comprising Plates, Platters, Pitchers, Bowls, Cutlery Holders, Stemware, Decanters, and Other Ornamental and Decorative Articles Constructed of Glass Comprising Jardinieres, Vases, Bottles.
Claims use since 1900.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 581,693. The United Tool and Die Company, West Hartford, Conn. Filed July 8, 1949.

Acme DUAL 8

The drawing is lined for the color red.
For Low Pressure Domestic Heating Boilers.
Claims use since Dec. 2, 1947.

Ser. No. 584,517. Wholesale Equipment Corporation, Kansas City, Mo. Filed Sept. 6, 1949.

TEMPMASTER

For Furnaces, Including Floor and Wall Furnaces, Boilers, Gas Burners, and Water Heaters.
Claims use since Aug. 15, 1949.

Ser. No. 586,478. J. S. Francks, Fort Worth, Tex. Filed Oct. 18, 1949.

BARBECUE MASTER

The word "Barbecue" is disclaimed.
For Cooking and Barbecue Machines for Industrial Use.
Claims use since Jan. 1, 1948.

Ser. No. 589,427. Carrier Corporation, Syracuse, N. Y. Filed Dec. 16, 1949.

WEATHERMAKER

Applicant claims ownership of Registration No. 261,359.
For Gas, Oil, or Coal Hot Air Furnaces for Warming Houses and for Conditioning, Purifying, and Circulating the Air; Air Cooling or Dehumidifying Units; Air Conditioning Units Employing Refrigerants for Cooling or Dehumidifying and Parts Thereof; and Self-Contained Air Conditioning Units Employing Refrigerants for Cooling or Dehumidifying.
Claims use since July 30, 1928.

Ser. No. 593,354. J & M Appliance Company, Dallas, Tex. Filed Mar. 3, 1950.

COLD FRONT

The word "Cold" is disclaimed and also the outline map per se.
For Evaporative Cooler Air Conditioning Unit.
Claims use since Jan. 25, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 561,912. Clarence E. Erdman, doing business as C. E. Erdman Tire and Rubber Company, Baltimore, Md. Filed July 22, 1948.

CHAIN-IZED

For Automobile Tires.
Claims use since Jan. 12, 1948.

Ser. No. 570,433. Reed Roller Bit Company, Houston, Tex. Filed Dec. 13, 1948.

CLECO

Applicant claims ownership of Registration No. 137,158.
For Pneumatic Hose.
Claims use since Oct. 15, 1947.

Ser. No. 571,408. Cities Service Oil Company, Bartlesville, Okla. Filed Dec. 31, 1948.

CITIES SERVICE

Applicant claims ownership of Registrations Nos. 227,262, 117,115, and others.
For Tires; Tubes; Accessories Comprising Boots, Patches, and Tube Repair Kits; Fan Belts; and Automotive Radiator Hose.
Claims use on tires since July 1939; on tubes since July 1939; on accessories comprising boots, patches, and tube repair kits since June 1940; on fan belts since June 1940; on automotive radiator hose since June 1940.

Ser. No. 580,948. Rieke Metal Products Corporation, Auburn, Ind. Filed June 23, 1949.

ViseCar

For Rubber-Like Gaskets for Closure Seals on Steel Barrels, Drums, and Pails.
Claims use since May 31, 1949.

Ser. No. 586,307. Lorena Peterson, doing business as Peterson Sales Company, St. Louis, Mo. Filed Oct. 14, 1949. (Sec. 2f.)

QUICK SEAL

Applicant claims ownership of Registration No. 283,828.
For Tire Patches.
Claims use since August 1930.

Ser. No. 589,964. Fibre & Metal Products, Inc., Downey, Calif. Filed Dec. 27, 1949.

EMSCO

Applicant claims ownership of Registration No. 186,328.
For Molded, Woven, Woven-Molded Brake and Clutch Lining in Plates, Rolls, Sets, Segments, and Blocks.
Claims use since Dec. 31, 1912.

Ser. No. 589,986. MacNeel Pierce, doing business as Plastic and Rubber Products Company, Los Angeles, Calif. Filed Dec. 27, 1949.

PARCO

For Hydraulic Packing Compounds.
Claims use since Sept. 1, 1949.

Ser. No. 596,158. Thomas R. Finn, doing business under the trade name and style of Finn & Company, New York, N. Y. Filed Apr. 22, 1950.

SOUND-ZORBER

The word "Sound" is disclaimed.
For Rubber Pipe.
Claims use since Oct. 5, 1949.

Ser. No. 596,865. A. E. Quest & Sons, Lubbock, Tex. Filed May 4, 1950.

"QUEST CANVAS PIPE"

The words "Canvas Pipe" are disclaimed.
For Canvas Pipe.
Claims use since January 1947.

Ser. No. 597,392. The Flexible Tubing Corporation, Branford, Conn. Filed May 13, 1950.

Thermatube

For Flexible Tubing.
Claims use since May 1, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,756. Valley Paper Company, Holyoke, Mass. Filed July 5, 1947.

VICTORIA

For Writing, Typewriter, and Printing Paper.
Claims use since 1890.

Ser. No. 536,507. Dixie Wax Paper Company, Dallas, Tex., and Memphis, Tenn. Filed Oct. 2, 1947.

VELV-O-PAKE

For Sheets of Wrapping Paper.
Claims use since September 1943.

Ser. No. 597,093. The Parker Pen Company, Janesville, Wis. Filed May 8, 1950.

OCTANIUM

For Metal Parts for Fountain Pens.
Claims use since Apr. 21, 1949.

Ser. No. 597,841. Pratt & Austin Company, Inc., Holyoke, Mass. Filed May 20, 1950.

Olde Monastery
Crushed Parchment

The words "Crushed Parchment" are disclaimed.
For Papeteries—Namely, Writing Paper and Envelopes.
Claims use since Dec. 1, 1941.

Ser. No. 598,034. Pencraft, Inc., Boston, Mass. Filed May 24, 1950. (Sec. 2f.)

PenCraft

Applicant claims ownership of Registration No. 343,410.
For Fountain Pens, Pencils, Leads, and Erasers, and Desk Sets for Fountain Pens and Pencils.
Claims use since November 1935.

Ser. No. 598,589. Lincoln Paper Company, Chicago, Ill. Filed June 5, 1950.

MINIMAX

For Paper and Cards for Use in Duplicating Machines and Processes.
Claims use since Mar. 21, 1950.

Ser. No. 599,061. Frank X. Endres, New York, N. Y. Filed Apr. 29, 1950.

SPORTAB

For Paper Seat Covers.
Claims use since Apr. 12, 1950.

Ser. No. 600,003. Ward Paper Company, Merrill, Wis. Filed June 29, 1950.

MEDI-TOWELS

The word "Towels" is disclaimed.
For Paper Towels.
Claims use since June 20, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 520,560. Honan-Crane Corporation, Lebanon, Ind. Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1950. (Sec. 2f.)

Clean Oil

For Trade Publication, Issued Periodically.
Claims use since Feb. 1, 1945.

Ser. No. 579,892. Jack M. Riley, Shreveport, La. Filed June 2, 1949. (Sec. 2f.)

A RILEY REPRODUCTION

For Reproductions of Well Logs (Electrical Recordation of Sub-Surface Structure in Well-Drilling Operations).
Claims use since Jan. 18, 1947.

Ser. No. 588,272. Carrier Corporation, Syracuse, N. Y. Filed Nov. 25, 1949.

The Weather Vein

Applicant claims ownership of Registration No. 264,459.
For Column of a Periodical or House Organ Published Periodically.
Claims use since January 1921.

Ser. No. 592,185. James A. Bell, Jr., Atlanta, Ga. Filed Feb. 9, 1950.

The Sales Pointer

The word "Sales" is disclaimed.
For Prepared Advertising Sold as Such.
Claims use since Jan. 31, 1950.

Ser. No. 598,742. Modern Packaging Corp., New York, N. Y. Filed June 7, 1950.

Packaging's Hall of Fame

The word "Packaging's" is disclaimed.
For Section in a Periodical Publication Dealing With Packaging Problems in the Fields of Manufacture, Machinery, Equipment, Material, and Designs, and Published Monthly.
Claims use since May 15, 1950.

Ser. No. 598,774. The Afro-American Company of Baltimore City, Baltimore, Md. Filed June 8, 1950.

AFRO

Applicant claims ownership of Registrations Nos. 237,341 and 516,379.
For Newspapers, Published at Least Weekly.
Claims use since January 1943.

Ser. No. 598,917. Thomas J. Mahon, trading as Thomas J. Mahon Company, New York, N. Y. Filed June 10, 1950.

Vis-U-Books

The word "Books" is disclaimed.
For Books Published Periodically.
Claims use since June 6, 1950.

CLASS 39

CLOTHING

Ser. No. 547,640. F. Longdon & Company Limited, Derby, England. Filed Jan. 21, 1948.

ELINSTAR

Applicant claims ownership of British Registration No. 624,473, dated July 24, 1943.
For Corsets, Corset Belts, and Elastic Belts of the Corset Type for General Wear; Brassières; Girdles; Knee Supporters and Ankle Supporters.

Ser. No. 567,511. Arthur Foister & Sons Limited, Leicester, England. Filed Oct. 23, 1948.

Cherub

Applicant claims ownership of Registration No. 83,267.
For Children's Three-Quarter Hose, Infants' and Children's Socks, Underwear, Including Vests, Knickers, Combinations, Briefs and Trunks; Infants' and Children's Nightdresses, Pajamas, and Sleeping Suits, and Breechette Sets, Jerseys, Pullover Sweaters, Jersey Suits, Buster Suits, Cardigans, Lumber Jackets, Rompers, Frocks, and Overalls.
Claims use since Sept. 19, 1933; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress since Jan. 19, 1948.

Ser. No. 567,515. The Grace Company, Belton, Mo. Filed Oct. 23, 1948.

The Grace Company

The representation of the child is fanciful.
For Infants' and Children's Dresses, Pinafores, Jumpers, Smocks, Blouses, Shirts, Trousers, Slacks, Jackets, Coats, Hats, Playsuits, Sunsuits, Rompers, Suits for Creepers and Crawlers, Overalls and Coveralls.
Claims use since Mar. 1, 1941.

Ser. No. 569,109. Sunknit, Inc., San Francisco, Calif. Filed Nov. 19, 1948.

SUN-KNIT

The word "Knit" is disclaimed.
For Hosiery for Men, Boys, Women, Children and Infants; Underwear for Men, Women, Boys and Girls; Lingerie—Namely, Ladies' and Children's Slips, Half Slips, Petticoats, Vests and Panties; and Ladies' and Children's Nightwear—Namely, Gowns and Pajamas; and Outerwear—Namely, Men's, Boys', and Children's Polo Shirts and Sweaters.
Claims use since Oct. 19, 1945.

Ser. No. 584,238. Juniors, Inc., Los Angeles, Calif. Filed Aug. 30, 1949.

Foot'n'All

For Infants' Play Garments Similar to Rompers.
Claims use since Aug. 8, 1949.

Ser. No. 587,951. Hess-Taylor Company, Inc., New York, N. Y. Filed Nov. 17, 1949.

Foot Note

For Ladies' and Misses' Hosiery.
Claims use since November 1940.

Ser. No. 589,892. Earl & Arlington, San Francisco, Calif. Filed Dec. 24, 1949.

Earlcraft

For Infants' Bibs and Underwear.
Claims use since Mar. 27, 1949.

Ser. No. 590,340. Victoria Underwear Company, New York, N. Y. Filed Jan. 4, 1950.

Hosettes

The representation of the product is disclaimed.
For Small Sock To Be Worn in Lieu of Hose.
Claims use since Dec. 6, 1949.

Ser. No. 590,583. David Crystal, Inc., New York, N. Y. Filed Jan. 10, 1950.

Dreamlon

The drawing is lined for blue.
For Ladies' and Misses' Dresses, Coats, Suits, Blouses, Skirts, Slacks, Coveralls, and Jumpers.
Claims use since August 1949.

Ser. No. 595,630. Van Raalte Company, Inc., New York, N. Y. Filed Apr. 12, 1950.

SEAMTONE

For Women's Hosiery.
Claims use since Mar. 20, 1950.

Ser. No. 596,113. Morlove Inc., New York, N. Y. Filed Apr. 21, 1950.

MORLOVE

For Ladies' and Misses' Blouses, and Ladies' and Misses' Blouses and Skirts Sold as One Unit.
Claims use since May 1944.

Ser. No. 596,442. Ro-Nel of California Co., Los Angeles, Calif. Filed Apr. 27, 1950.

RO-NEL of California

The words "of California" are disclaimed.
For Junior and Teenage Girls' Blouses, Skirts, Dresses, Jackets, Bras, Shorts, and Boleros, Weskits, Playsuits, Pinafores, and Jumpers.
Claims use since Apr. 1, 1948.

Ser. No. 597,962. Kaylon Incorporated, New York, N. Y. Filed May 23, 1950.

Tommies Slackers

Applicant claims ownership of Registrations Nos. 335,848, 352,190, and others.
For Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes.
Claims use since Apr. 24, 1950.

Ser. No. 599,453. Rice Manufacturing Company, Van Nuys, Calif. Filed June 20, 1950.

Cyralon

For Gloves Made of Plastic Material.
Claims use since Feb. 24, 1950.

Ser. No. 601,868. Tennessee Glove Company, Tullahoma, Tenn. Filed July 17, 1950.

GUD-E-NUFF

For Work Gloves, Made From a Combination of Leather and Fabric.
Claims use since June 20, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 590,657. Empire Brush Works, Inc., Port Chester, N. Y. Filed Jan. 11, 1950.

Deb-Tray

The word "Tray" is disclaimed.
For Vanity Trays Sold as a Set With Combs, Hair Brushes, Hair Pins, and the Like.
Claims use since June 24, 1949.

Ser. No. 594,178. S. H. Kress and Company, New York, N. Y. Filed Feb. 23, 1950.

Dixie Belle

Applicant claims ownership of Registration No. 272,011.
For Plain Pins, Hairpins, and Safety Pins Made of Steel, Aluminite, and Other Non-Precious Metals.
Claims use since Oct. 1, 1929.

Ser. No. 594,180. S. H. Kress and Company, New York, N. Y. Filed Feb. 23, 1950.

Priscilla

Applicant claims ownership of Registrations Nos. 204,624, 272,786, and 272,009.
For Plain Pins, Hairpins, and Safety Pins Made of Steel, Aluminite, and Other Non-Precious Metals.
Claims use since Oct. 1, 1929.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 575,944. S. Stroock & Co. Inc., New York, N. Y. Filed Mar. 23, 1949.

CREME DE LA CREME

For Woven Fabrics by the Piece Composed of Wool Fibers.
Claims use since Feb. 11, 1949.

Ser. No. 578,427. Wall Pine Export Inc., New York, N. Y. Filed May 7, 1949.

MARVIA MILLS FABRICS

The word "Fabrics" is disclaimed.
For Fabrics of Wool, Nylon, and Silk in the Piece.
Claims use since Apr. 1, 1949.

Ser. No. 595,991. Felix Tausend & Sons, New York, N. Y. Filed Apr. 19, 1950.

Ni-lo-sheen

The word "Sheen" is disclaimed.
For Table-Cloths, Napkins, Doilies, Place Mats, Table Scarfs, and Table Runners.
Claims use since Feb. 10, 1950.

Ser. No. 601,949. Sea Island Mills, Incorporated, New York, N. Y. Filed Aug. 8, 1950.

Deltina

For Cotton Piece Goods.
Claims use since May 8, 1950.

CLASS 43

THREAD AND YARN

Ser. No. 594,354. Belding Heminway Company, Inc., doing business under the name of Belding Corticelli, New York, N. Y. Filed Mar. 22, 1950.

ORMO

For Thread Made of "Orlon" Fibers Composed of Synthetic Fiber-Forming Polymers and Copolymers of Acrylic Acid or Its Derivatives.
Claims use since May 25, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 557,716. Elizabeth Ames, Incorporated, New York, N. Y. Filed May 25, 1948.

Elizabeth Ames

The name "Elizabeth Ames" is not the name of a living individual.
For Perfume Atomizers.
Claims use since May 29, 1947.

Ser. No. 562,026. Burnitol Manufacturing Co., Boston, Mass. Filed July 23, 1948.

BURNITOL

Applicant claims ownership of Registration No. 58,436.
For Sputum Cups, Sputum Cup Holders, and Hemorrhage Cups or Cuspidors Designed for Use by Invalids or Sick Persons.
Claims use on sputum cups since Apr. 12, 1906; on cuspidors at least as early as June 19, 1936; and on sputum cup holders since May 1931.

Ser. No. 567,945. E. D. Bullard Company, San Francisco, Calif. Filed Nov. 1, 1948.

VENEX SNAKE BITE KIT

The words "Snake," "Bite" and "Kit" are disclaimed.
For First Aid Kits for Treatment of Snake Bite, Each Kit Containing Syringe, Lancet, Tourniquet, Adhesive Compresses, Iodine Swabs, Rubber Adapter, Ammonia Inhalants, Petrolatum, and Directions for Treatment and After-Treatment.
Claims use since Feb. 1, 1939.

Ser. No. 582,389. Cutter Laboratories, Berkeley, Calif. Filed June 13, 1949.

I-T SAFTIFUGE

Applicant claims ownership of Registration No. 442,084.
For Glass Bottles for Shipping and Dispensing Parenteral Solutions.
Claims use since August 1942.

Ser. No. 593,268. Electro-Physical Laboratories, Inc., Rye, N. Y. Filed Mar. 2, 1950.

Cardiotron

Applicant claims ownership of Registration No. 424,881.
For Electrocardiographs.
Claims use since February 1945.

Ser. No. 597,196. Crescent Manufacturing Company, Fremont, Ohio. Filed May 10, 1950.

CRESCENT

Applicant claims ownership of Registrations Nos. 268,251 and 532,111.
For Surgical Blades, Handles or Holders for Surgical Blades, and Surgical Kits Consisting of Surgical Blades and Handles Therefor Inclosed in a Case.
Claims use since Jan. 1, 1917.

Ser. No. 598,970. Tech-N-Kal Machine & Engineering, Detroit, Mich. Filed June 12, 1950.

Tech-a-Mist

For Douche Instrument.
Claims use since Apr. 15, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 600,858. Swizzels, Inc., Hoboken, N. J. Filed July 18, 1950.

SWIZZADE

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since June 19,1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 524,452. The R. T. French Company, Rochester, N. Y. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, June 18, 1948. (Sec. 2f.)



For Foods, Substances Used as Foods, and Ingredients of Foods, Namely: Herbs—Namely, Mint, Sage, Thyme, Marjoram, Savory, Parsley, and Pot Herbs; and Spices and Seeds—Namely, Anise, Caraway, Cardamon, Celery, Cominos, Coriander, Dill, Fennel, Mustard, Poppy, Red Pepper, and Sesame; Flavors in Liquid Form and Flavoring Extracts for Food—Namely, Vanilla, Lemon, Peppermint, Orange, Almond, Wintergreen, Rum, Strawberry, Banana, Raspberry, Peach, Cherry, Pineapple, Black Walnut, and Maple; Food Colors; Mustard, Dry and Prepared; Seasonings for Food—Namely, Garlic, Onion and Celery Seasonings; Worcestershire Sauce; Curry Powder; Tapioca; Sago; Dehydrated Vegetables—Namely, Potatoes, Onions, Mixed Vegetables and Celery.
Claims use since July 1, 1904.

Ser. No. 539,594. Sallie C. Jones, doing business as Sarah Lee Kitchen, Richmond, Va. Filed July 5, 1947. (Sec. 2f.)



SARAH LEE KITCHEN

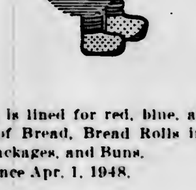
"Sarah Lee" is merely fanciful and is not the name of a particular individual. Applicant claims ownership of Registrations Nos. 220,603 and 223,029.
For Cakes, Pies, Bread, Rolls, Tarts, Biscuits, and Candies.
Claims use since Oct. 1, 1924.

Ser. No. 547,439. Walter Freund Bread Company, St. Louis, Mo. Filed Jan. 19, 1948. (Sec. 2f.)

Freund's

For Bread, Cakes, and Pies.
Claims use since July 1935.

Ser. No. 550,932. Ovson Egg Company, Chicago, Ill. Filed Mar. 1, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 143,404.
For Frozen Whole Eggs, Egg Whites, and Yolks.
Claims use since Mar. 15, 1920.

Ser. No. 558,132. The S. A. Gerrard Company, Cincinnati, Ohio. Filed May 29, 1948.

AMERICAN BEAUTY

Applicant claims ownership of Registration No. 113,721.
For Fresh Deciduous Fruits, Fresh Vegetables, Grapes, and Cantaloupes.
Claims use since May 15, 1913.

Ser. No. 558,408. The Mitchell Bakery, Independence, Kans. Filed June 3, 1948.



The drawing is lined for red, blue, and yellow.
For Loaves of Bread, Bread Rolls in Packages, Cinnamon Rolls in Packages, and Buns.
Claims use since Apr. 1, 1948.

Ser. No. 559,442. Maid-Rite Products, Inc., Muscatine, Iowa. Filed Apr. 26, 1948. (Sec. 2f.)



The word "Hamburgs" is disclaimed. Applicant claims ownership of Registration No. 226,237.
For Sandwiches.
Claims use since Aug. 1, 1925.

Ser. No. 559,864. Staley Milling Company, North Kansas City, Mo. Filed June 21, 1948.

STALEY'S BULLETS

The word "Staley's" is disclaimed. Applicant claims ownership of Registration No. 346,528.
For Hog Feed Supplement Composed of Ground Cereal Grains and Other Ingredients Suitable for Hogs.
Claims use since June 8, 1948.

Ser. No. 562,068. Kingan & Co. Incorporated, Indianapolis, Ind., sometimes doing business under the trading name of Albert E. Jordan, Richmond, Va. Filed July 23, 1948. (Sec. 2f.)

Jordan's

Applicant claims ownership of Registration No. 64,918.
For Ham, Bacon, and Pork Shoulder Steaks.
Claims use since 1892.

Ser. No. 564,504. R. A. Covington and Son, Wichita Falls, Tex. Filed Sept. 1, 1948.



The word "Spanish" is disclaimed.
For Food Sauce for Table and Cooking Purposes.
Claims use since Apr. 18, 1948.

Ser. No. 568,130. Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States. Filed Nov. 3, 1948.

FOOD KING

The word "Food" is disclaimed. Applicant claims ownership of Registration No. 101,421.
For Canned Foods—Namely, Tomatoes, Tomato Catsup, Chili Sauce, Tomato Juice, Tomato Soup, Tomato Puree, Seafood Cocktail Sauce, Barbecue Sauce, Pumpkin, Pork and Beans, Kidney Beans, Mexican Style Red Beans, Red Beans, Lima Beans, Spaghetti, Hominy, Corn, Green Beans, Peas, Sauerkraut and Apples.
Claims use since Jan. 1, 1914.

Ser. No. 574,877. L. S. Williams, Centerville, Calif. Filed Mar. 3, 1949. (Sec. 2f.)

GUD PAK

For Fresh Vegetables.
Claims use since September 1936.

Ser. No. 578,682. William R. Edmondson, doing business as Billy's Butter Bretzels, Reading, Pa. Filed May 12, 1949.



The representation of the man is fanciful. The representation of a pretzel is disclaimed.
For Pretzels.
Claims use since October 1947.

Ser. No. 581,983. Quality Macaroni Company, doing business as Romano Macaroni Co., St. Paul, Minn. Filed July 14, 1949.



For Egg Noodles.
Claims use since 1928.

Ser. No. 584,411. Anthony Makitawecus, Brooklyn, N. Y. Filed Sept. 2, 1949.

ANTHNY'S

For Canned Hot Vegetables, Containing Hot Peppers and Other Vegetables.
Claims use since Aug. 15, 1949.

Ser. No. 585,948. Ed. F. Mangelsdorf & Bro., Inc., doing business under the name and style Embro Popcorn Company, St. Louis, Mo. Filed Oct. 7, 1949.

Embro

For Popcorn in Its Natural State.
Claims use since June 1938.

Ser. No. 586,585. Botany Mills, Inc., Passaic, N. J. Filed Oct. 20, 1949.

BOTANEIN

For Wool Protein for Use in Ice Cream as an Emulsifier, for Use With or Without Irish Moss and Algin for Absorption of Solid Particles From Liquids in Preparation of Foodstuffs and for Aiding the Mulsification of Algae and Water-Immissible Liquids, as in the Preparation of Mayonnaise, and as a Constituent in Fish-Fillet Dippings Containing Anti-Oxidents to Retard Rancidity, Said Dippings Being Edible.
Claims use since Jan. 13, 1949.

Ser. No. 591,248. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Filed Jan. 21, 1950. (Sec. 2f.)

SHO-AM-SWEET

Applicant claims ownership of Registration No. 385,540.
For Fresh Potatoes and Fresh Berries.
Claims use since Jan. 4, 1940.

Ser. No. 592,451. Aiello Dairy Farms Co., Brooklyn and Heuvelton, N. Y. Filed Feb. 15, 1950.



All wording is disclaimed.
For Cheese.
Claims use since September 1944.

Ser. No. 593,036. The Mennel Milling Company, Fostoria and Toledo, Ohio. Filed Nov. 4, 1949.

MEMO



Applicant claims ownership of Registration No. 132,198.
For Pure Wheat Bran, Wheat Flour Middlings, and Wheat Mixed Feed, Sold as Such for Consumption by Cattle, Hogs and Horses, and Also Sold to Manufacturers of Mixed Prepared Feeds as an Ingredient for Same.
Claims use since Mar. 15, 1932.

Ser. No. 593,667. Grny, Dunn & Company Limited, Kinning Park, Glasgow, Scotland. Filed Mar. 9, 1950.



Applicant claims ownership of British Registration No. 637,682, dated June 5, 1945.
For Biscuits.

Ser. No. 596,576. Frederick F. Lowenfels & Son, doing business under the name Hotel Bar Foods, New York, N. Y. Filed Apr. 29, 1950.

HAPPY FARMER

For Canned Cooked Ham.
Claims use since Apr. 24, 1950.

Ser. No. 596,835. City Milk Company, Inc., Maspeth, N. Y. Filed May 4, 1950.



For Fluid Milk.
Claims use since Apr. 1, 1950.

Ser. No. 596,938. F. T. Pennington, doing business as Pennington Bean Company, Atlanta, Ga. Filed May 5, 1950.

Penn's



The word "Penn's" is disclaimed. The portrait is that of the famous historical person William Penn.
For Dried Beans.
Claims use since Nov. 2, 1948.

Ser. No. 597,832. T. Kong Lee, doing business as Lee's Agency, San Francisco, Calif. Filed May 20, 1950.

BRIGHT LIGHT

For Canned Fish and Sea Food—Namely, Light Meat Tuna, White Meat Tuna, Crabmeat, Fancy Crabmeat, Abalone, and Top-Shell (a Type of Mollusk).
Claims use since Feb. 1, 1950.

Ser. No. 598,805. New Yorker Cheese Company, Philadelphia, Pa. Filed June 8, 1950.



For Cheese.
Claims use since Jan. 2, 1942.

Ser. No. 598,950. Golden Citrus Juices, Incorporated, Fullerton, Calif. Filed June 12, 1950.

CLUB CAR

For Canned Orange Juice for Food Purposes.
Claims use since May 22, 1950.

Ser. No. 598,972. Wilbur W. Wilhelm, Dinuba, Calif. Filed June 12, 1950.

OLD-●-SOL

For Fresh Deciduous Fruits.
Claims use since Aug. 12, 1926.

Ser. No. 599,124. Seabrook Associates, Tyrone, Pa. Filed June 14, 1950.

STERO-BLANCHED

The word "Blanched" is disclaimed.
For Peanuts, Shelled and Salted.
Claims use since August 1949.

Ser. No. 600,062. Manning's, Inc., San Francisco, Calif. Filed June 30, 1950. (Sec. 2f.)

Manning's

Applicant claims ownership of Registrations Nos. 271,686 and 363,512.
For Coffee, Tea, and Candy.
Claims use since 1900.

Ser. No. 600,177. E. W. Lins, doing business as E. W. Lins & Son, Fort Pierce and Homestead, Fla. Filed July 3, 1950.

QUICKSILVER

For Fresh Citrus Fruits, Fresh Deciduous Fruits, and Fresh Vegetables.
Claims use since May 26, 1950.

Ser. No. 600,351. The Rath Packing Company, Waterloo, Iowa. Filed July 7, 1950.

MULBERRY

For Bacon.
Claims use since July 1, 1927.

Ser. No. 600,407. Roila Aldersón, doing business as Alderson Candy Shop, Denver, Colo. Filed July 10, 1950.

FLYING SAUCER

For Candy Bars.
Claims use since June 28, 1950.

CLASS 47

WINES

Ser. No. 555,928. Duncan Gilmour & Co., Ltd., New York, N. Y. Filed Apr. 30, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 310,357, 310,358, and others.
For Wines.
Claims use since September 1940.

Ser. No. 585,408. Wine Growers Guild, Lodi, Calif. Filed Sept. 27, 1949.

OLD ACQUAINTANCE

The word "Old" is disclaimed.
For Wines.
Claims use since Sept. 13, 1949.

Ser. No. 599,458. Schenley Industries, Inc., also doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif. Filed June 20, 1950.



The representation of the bottle is disclaimed. The lining and stipples on the drawing are for shading.
For Wines.
Claims use since June 4, 1942.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 597,914. C. Schmidt and Sons, Incorporated, Philadelphia, Pa. Filed May 22, 1950.

"PROFESSOR" TIGER

Applicant claims ownership of Registrations Nos. 328,027, 325,314, and others.
For Ale.
Claims use since Aug. 30, 1949.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 572,732. Esbeco Distilling Corporation, Stamford, Conn. Filed Jan. 25, 1949.

John Alden

The name presented is that of a deceased historical celebrity.
For Whiskey.
Claims use since Aug. 9, 1940.

Ser. No. 600,947. The Crosse & Blackwell Company, Baltimore, Md. Filed July 20, 1950. (Sec. 2f.)

CROSSE & BLACKWELL

For Alcoholic Beverages—Namely, Gin and Egg Nog.
Claims use since Oct. 11, 1938.

Ser. No. 602,362. Canada Dry Ginger Ale, Incorporated, New York, N. Y. Filed Aug. 18, 1950.

SIGN POST

For Gin.
Claims use since July 25, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 597,529. David E. Kennedy, Inc., Brooklyn, N. Y. Filed May 16, 1950.

KEN-KIT

The word "Kit" is disclaimed.
For Kit Containing Tools, Supplies, and Instructions for Installing Tile Floors.
Claims use since May 1, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 572,994. Palmers Limited, Montreal, Quebec, Canada. Filed Jan. 28, 1949.



The portrait is a purely fanciful one. Applicant claims ownership of Canadian Registration No. N. S. 30,222, dated May 5, 1948, and United States Registration No. 301,510.
For Perfumes and Toilet Preparations—Namely, Hand Lotions, Skin Lotions, Hand Cream, Face Cream, Cold Cream, Vanishing Cream, Toilet Water, Eau de Cologne, Hair Tonic, Skin Tonic, Face Powder, Bath Powder, Talcum Powder, Sachet Powder, Lipstick, Rouge, Mascara, and Nail Polish.

Ser. No. 573,114. Bristol-Myers Company, New York, N. Y. Filed Feb. 1, 1949.

Grumé

For Non-Alcoholic Hair Dressing Preparation.
Claims use since Aug. 22, 1948.

Ser. No. 584,540. Samuel Mitchell, doing business as The Floridol Co., East Cleveland, Ohio. Filed Sept. 7, 1949.

FLORIDOL

For Alcohol Containing Preparation of the Nature of a Cologne, Used for Massage.
Claims use since 1915.

Ser. No. 589,241. Artistic Beauty Products Co., Los Angeles, Calif. Filed Dec. 13, 1949.

Curl Velvet
WAVE LAST FIX

The word "Curl" and the words "Wave Last Fix" are disclaimed.
For Fixing Solution for Hair Waving.
Claims use since Oct. 12, 1949.

Ser. No. 591,480. The Glenby Company, Inc., New York, N. Y. Filed Jan. 26, 1950.

La Gloria

Applicant claims ownership of Registration No. 249,690.
For Permanent Waving Oil and Hair Curling Lotions.
Claims use since June 15, 1928.

Ser. No. 591,796. Parfums Charbert Inc., New York, N. Y. Filed Feb. 1, 1950

LOVE NOTES

For Bath Oil.
Claims use since Jan. 4, 1950.

Ser. No. 592,581. Societe Anonyme Renaud Paris 1817, Montreuil, Seine, France. Filed Feb. 16, 1950. (Sec. 2f.)

Rénaud
PARIS
1817

The word "Paris" is disclaimed. Applicant claims ownership of French Registration No. 340,872, and United States Registration No. 340,872.
For Perfumes, Eau de Cologne, Lipstick, Face Powders, Rouge, Talcum Powder, Toilet Water, Eye Shadow, Facial and Skin Creams, Nail Polish, Face, Hand, Body and Hair Lotions.
Claims use since 1817 in France and first used in commerce between France and the United States which may lawfully be regulated by Congress since 1817.

Ser. No. 592,750. Belvidere Creations, Inc., Seattle, Wash. Filed Feb. 20, 1950.

Belvidere

Applicant claims ownership of Registration No. 292,977.
For Cosmetics—Namely, Cleansing Cream, Sun Tan Lotion, Hand and Face Lotion, Skin Cream, Eau de Cologne, Night Cream, Perfumed Deodorant, and Brushless Shave Cream.
Claims use since Dec. 13, 1949.

Ser. No. 597,248. Bonafide Laboratory, New York, N. Y. Filed May 11, 1950.

E-Z-DENT

The word "Dent" is disclaimed.
For Dental Cleanser for False Teeth.
Claims use since Mar. 30, 1950.

Ser. No. 601,531. Freda Batchelor, Hamtramck, Mich. Filed Aug. 1, 1950.

SALLIE'S

Applicant claims ownership of Registration No. 526,725.
For Hairdressing Preparations Namely, Brilliantine and Pressing Oil.
Claims use since June 1, 1949.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 583,643. Economics Laboratory Inc., St. Paul, Minn. Filed Aug. 18, 1949.

GLASS MAGIC

The word "Glass" is disclaimed.
For Glasswashing Compound Primarily for Brush Machine Use.
Claims use since Apr. 18, 1948.

Ser. No. 584,595. Clifford E. Rose, doing business as 505 Products Co., Erie, Pa. Filed Sept. 8, 1949.

505

The drawing is lined for color, but no claim is made to color as a material feature of the mark.
For Washing Fluid.
Claims use since May 31, 1938.

Ser. No. 588,952. Harkness & Company, Wellsville, N. Y. Filed Dec. 7, 1949.

YPZ

The words "The Speedi-Cleaner" are disclaimed.
For Cleaning Compound for General Household Use and for Personal Use in Cleaning the Hands, in a Jelly-Like or Paste Form.
Claims use since Nov. 19, 1949.

Ser. No. 592,034. Edward G. Hughes, doing business as Harrison Chemical, Detroit, Mich. Filed Feb. 6, 1950.

Numite

For Cleaning Compound for Painted Walls, Woodwork, Floors, Rugs, and Carpets.
Claims use since Aug. 14, 1948.

SERVICE MARKS

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 598,247. Emery Industries, Inc., Cincinnati, Ohio. Filed May 27, 1950.

SANITONE

Applicant claims ownership of Registrations Nos. 301,342, 390,491, 390,492, 394,153, 394,154, and 394,155.
For Dry Cleaning Services.
Claims use since Oct. 26, 1932.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 597,287. Navajo Freight Lines, Inc., Los Angeles, Calif. Filed May 11, 1950.

LOOK FOR THE BLUE-EYED INDIAN
NAVAJO FREIGHT LINES

The words "Freight Lines" are disclaimed.
For Transportation of Freight by Truck.
Claims use since Feb. 1, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,462. Internal Combustion Engines and Parts Therefor for Aircraft, Etc. Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich.
Filed Apr. 1, 1946, Serial No. 499,394. Published July 18, 1950. Class 23.

444,463. Machinery, Equipment and Accessories for the Treatment and Manufacture of Rayon, Etc. Oscar Kohorn & Co., Ltd., New York, N. Y.
Filed Oct. 2, 1946, Serial No. 510,090. Published Jan. 2, 1951. Class 23.

444,464. Eye Glasses, Eye Glass Frames and Eye Glass Lenses. Joseph Hollinger & Co., Inc., New York, N. Y.
Filed Jan. 29, 1947, Serial No. 516,545. Published Dec. 26, 1950. Class 26.

444,465. Petticoats, Slips, Panties, and Nightgowns for Misses and Ladies. Allen Underwear Manufacturing Co., Inc., New York, N. Y.
Filed Mar. 18, 1947, Serial No. 519,155. Published Jan. 16, 1951. Class 39.

444,466. Cocoabeans, Cocoa, Cocoabutter, Chocolate, Etc. Commanditaire Vennootschap onder de firma C. J. van Houten & Zoon, doing business as C. J. van Houten & Zoon, Weesp, Holland.
Filed June 17, 1947, Serial No. 524,301. Published Dec. 5, 1950. Class 46.

444,467. Paper Tablets; Account, Data and Order Books, Etc. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,036. Published Dec. 5, 1950. Class 37.

444,468. Notebook Filler Paper. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,126. Published July 5, 1949. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

540,620. Wind Instruments—Namely, Trumpets, Cornets, Trombones, Etc. The H. N. White Company, Cleveland, Ohio.
Original filed, act of 1905, May 31, 1946; amended to application under act of 1946, Principal Register, July 9, 1947, Serial No. 503,146. Published Jan. 16, 1951. Class 36.

540,621. Desk Sets and Accessories Made of, or Having a Setting of, Leather, Etc. Georg Jensen Inc., New York, N. Y.
Original filed, act of 1905, June 29, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1948, Serial No. 504,846. Published Dec. 12, 1950. Class 37.

540,622. Scientific and Industrial Models for Study, Planning, Testing, and Training Purposes. Imagineering Associates, Incorporated, Los Angeles, Calif.
Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Sept. 12, 1950, Serial No. 510,255. Published Dec. 12, 1950. Class 26.

540,623. Women's and Misses' Dresses. Curtis Casuals, Inc., New York, N. Y.
Original filed, act of 1905, Nov. 4, 1946; amended to application under act of 1946, Supplemental Register, July 10, 1948; amended to Principal Register, Nov. 13, 1950, Serial No. 511,984. Published Jan. 16, 1951. Class 39.

540,624. Popped (and Seasoned) Pop Corn. Kientzel Noodle Co., Inc. St. Louis, Mo.
Original filed, act of 1905, Nov. 4, 1946; amended to application under act of 1946, Principal Register, Jan. 23, 1950, Serial No. 512,001. Published Dec. 12, 1950. Class 46.

540,625. Sardines, Kippers, Fish-Balls, Cod-Roe, Fish Cakes, and Meat Balls, All Hermetically Preserved Food. A/S Trondhjem Canning and Export Co., Trondheim, Norway.
Original filed, act of 1905, Dec. 20, 1946; amended to application under act of 1946, Principal Register, Mar. 8, 1950, Serial No. 514,581. Published Dec. 12, 1950. Class 46.

540,626. Exposure Meters. Weston Electrical Instrument Corporation, Newark, N. J.
Original filed, act of 1905, Jan. 3, 1947; amended to application under act of 1946, Principal Register, June 24, 1948, Serial No. 515,242. Published Oct. 11, 1949. Class 26.

540,627. Exposure Meters. Weston Electrical Instrument Corporation, Newark, N. J.
Original filed, act of 1905, Jan. 6, 1947; amended to application under act of 1946, Principal Register, June 24, 1948, Serial No. 515,346. Published Oct. 25, 1949. Class 26.

540,628. Wheat in Puffed or Popped Form Coated With Sugar. Ranger Joe, Inc., Chester, Pa.
Original filed, act of 1905, Feb. 11, 1947; amended to application under act of 1946, Supplemental Register, May 7, 1949; amended to Principal Register, Sept. 23, 1950, Serial No. 517,325. Published Jan. 2, 1951. Class 46.

540,629. Frozen Chop Suey. Mah Chena Food Products Company, Chicago, Ill.
Original filed, act of 1905, May 1, 1947; amended to application under act of 1946, Principal Register, Aug. 22, 1947, Serial No. 521,669. Published Jan. 23, 1951. Class 46.

540,630. Massaging Creams, Perfumes, Anoint Oil a Quick Acting Cleanser and Base for Face Powder, and Hair Tonics. Jacques Romano, doing business as The Jamol Co., New York, N. Y.
Filed Sept. 13, 1949, Serial No. 584,777. Published Dec. 5, 1950. Class 51.

540,631. Paper Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Sept. 4, 1948, Serial No. 526,029. Published Dec. 19, 1950. Class 37.

540,632. Piccalilli, Jams, Jellies, Canned Vegetables, Canned Fruits, Fruit Juices, Candy, Frozen Fruits, Frozen Vegetables, Cakes, Pies, Bread, Cookies, Doughnuts, and Buns. Five Acres Farm, Telford, Pa. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946. Supplemental Register, Nov. 2, 1948; amended to Principal Register, Dec. 8, 1949. Serial No. 526,215. Published Dec. 19, 1950. Class 46.

540,633. Weighing Scales; Dynamometer Scales; Machines for Testing Physical Characteristics of Materials, Etc. Toledo Scale Company, Toledo, Ohio.
Filed July 5, 1947, Serial No. 526,794. Published July 18, 1950. Class 26.

540,634. Machine Needles and Awls. Landis Machine Company, St. Louis, Mo.
Filed July 11, 1947, Serial No. 528,353. Published Dec. 12, 1950. Class 23.

540,635. Cameras. Galter Products Co., Chicago, Ill.
Filed July 23, 1947, Serial No. 529,259. Published Apr. 27, 1948. Class 26.

540,636. Candy. Keeley Candy Company, Madison, Wis.
Filed Aug. 25, 1947, Serial No. 532,418. Published Dec. 19, 1950. Class 46.

540,637. Canned and Frozen Apples. Comstock Canning Corporation, Newark, N. Y.
Filed Aug. 27, 1947, Serial No. 532,565. Published Dec. 5, 1950. Class 46.

540,638. Correspondence Envelopes Intended for Specialized Business Purposes. Curtis 1000 Inc., St. Paul, Minn.
Filed Sept. 10, 1947, Serial No. 534,004. Published Jan. 18, 1949. Class 37.

540,639. Wheat Flour. White Star Mills, Staunton, Va.
Filed Sept. 10, 1947, Serial No. 534,071. Published May 9, 1950. Class 46.

540,640. Receptacles Pertaining to the Wardrobe Closet, Etc. Frost Mfg. Co., Chicago, Ill.
Filed Sept. 27, 1947, Serial No. 535,947. Published Jan. 16, 1951. Class 2.

540,641. Automatic Machines for Sealing the Top and Bottom Flaps of Cartons, Etc. A-B-C Packaging Machine Corporation, Quincy, Ill.
Filed Oct. 2, 1947, Serial No. 536,479. Published Nov. 28, 1950. Class 23.

540,642. Fresh Eggs. Western Dairy Products, Inc., San Francisco, Calif.
Filed Oct. 4, 1947, Serial No. 536,855. Published Dec. 19, 1950. Class 46.

540,643. Canned Olives. Lindsay Ripe Olive Company, Lindsay, Calif.
Filed Oct. 24, 1947, Serial No. 538,937. Published Dec. 5, 1950. Class 46.

540,644. Grass and Grain Seeders, Distributors, Broadcasters, and Spreaders, and for Kraut, Vegetable, and Slaw Cutters. O. E. Thompson & Sons, Ypsilanti, Mich.
Filed Oct. 25, 1947, Serial No. 539,105. Published Dec. 12, 1950. Class 23.

540,645. Automobile, Bus, and Truck Servicing Lifts, and Parts Thereof. Rotary Lift Company, Memphis, Tenn.
Filed Nov. 1, 1947, Serial No. 539,904. Published Dec. 26, 1950. Class 23.

540,646. Sausage. Armour and Company, Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,137. Published Jan. 23, 1951. Class 46.

540,647. Moisture Absorbing and Temperature Retaining Fabric Coverings for Nursing Bottles. Fidelity Machine Company, Inc., Philadelphia, Pa.
Filed Nov. 24, 1947, Serial No. 542,107. Published Jan. 16, 1951. Class 2.

540,648. Plastic Floor Coverings Sold in Sheets and Rolls. The Pantasote Company, Passaic, N. J.
Filed Dec. 4, 1947, Serial No. 543,320. Published Jan. 2, 1951. Class 20.

540,649. Bond, Ledger, Printing, Writing, Record and Book Paper, Mailing and Correspondence Envelopes, Statistical and Accounting Cards, Paper Forms, Books, Booklets and Pamphlets, Made up of Partially Printed Forms. The Mellee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 543,636. Published Jan. 9, 1951. Class 37.

540,650. Wooden Crates Having Compartments for Holding Bottles or the Like. Alton N. Parker, doing business as Dura Lock Case Manufacturers, Jacksonville, Fla.
Filed Dec. 19, 1947, Serial No. 544,903. Published Jan. 23, 1951. Class 2.

540,651. Loose Leaf Binders. National Blank Book Company, Holyoke, Mass.
Filed Jan. 2, 1948, Serial No. 546,017. Published Dec. 26, 1950. Class 37.

540,652. Paper Napkins, Paper Towels, Toilet Tissue, and Wrapping Paper. Erving Paper Mills, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,482. Published Jan. 9, 1951. Class 37.

540,653. Couplings for Electrical Conduits. The Thomas & Betts Co., Elizabeth, N. J.
Filed Jan. 14, 1948, Serial No. 547,050. Published Jan. 9, 1951. Class 21.

540,654. Diapers. Melvin L. Brink, Kansas City, Mo.
Filed Jan. 19, 1948, Serial No. 547,423. Published Jan. 16, 1951. Class 39.

540,655. Babies' Diapers and Covers Therefor. Nancy Garment Company, Kent, Wash.
Filed Jan. 27, 1948, Serial No. 548,096. Published Jan. 16, 1951. Class 39.

540,656. Carbonator, for Carbonating Liquids by Incorporating Carbon Dioxide in Said Liquids. The Nicholas Company, Hartford, Conn.
Filed Feb. 16, 1948, Serial No. 549,833. Published Dec. 5, 1950. Class 23.

540,657. Candy Bars. McAfee Candy Co., Inc., Macon, Ga.
Filed Feb. 25, 1948, Serial No. 550,536. Published Jan. 23, 1951. Class 46.

540,658. Cooking Panels for Cooking Ranges, Etc. The Tappan Stove Company, Mansfield, Ohio.
Filed Feb. 28, 1948, Serial No. 550,855. Published Dec. 26, 1950. Class 26.

540,659. Girls' Pajamas. Lubin-Weeker Co. Inc., New York, N. Y.
Filed Mar. 20, 1948, Serial No. 552,595. Published Jan. 16, 1951. Class 39.

540,660. Incandescent Lamps and Starter Switches for Fluorescent Lamps. Dura Electric Lamp Co., Inc., Newark, N. J.
Filed Mar. 24, 1948, Serial No. 552,848. Published Jan. 9, 1951. Class 21.

540,661. Mounted Short Wave Lamp for the Emanation of Invisible Ultra-Violet Light, Etc. Kemart Corporation, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,128. Published Jan. 9, 1951. Class 26.

540,662. Sanitary Neckbands Made in the Form of Paper Bands Used by Barbers, Hairdressers, and the Like. The Hospital Specialty Company, Cleveland, Ohio.
Filed Apr. 20, 1948, Serial No. 555,098. Published Dec. 12, 1950. Class 37.

540,663. Paper Towels. West Disinfecting Company, Long Island City, N. Y.
Filed Apr. 24, 1948, Serial No. 555,580. Published Jan. 2, 1951. Class 37.

540,664. Drawing Paper. Arthur Brown & Bro., Inc., New York, N. Y.
Filed June 2, 1948, Serial No. 558,276. Published Jan. 9, 1951. Class 37.

540,665. Stock Mixing Machine—Namely, Apparatus for Delivering Paper Making Stock From a Supply Thereof to the Making Element of a Paper Making Machine. The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y.
Filed Feb. 12, 1948, Serial No. 559,387. Published Jan. 9, 1951. Class 23.

540,666. Book Papers, Writing Papers, Printing Papers, Sanitary Paper in the Form of Sheets or Rolls for Wrapping Food and for Making Food Containers and Converting Papers. West Virginia Pulp and Paper Company, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 559,410. Published Dec. 19, 1950. Class 37.

540,667. Writing Paper and Envelopes, Bond Paper, Blank Bank Paper; Etc. G. H. Bührmann's Papiergroothandel N. V., Amsterdam, Netherlands.
Filed June 18, 1948, Serial No. 559,574. Published Dec. 5, 1950. Class 37.

540,668. Rice. Chitty & Co., Jacksonville, Fla.
Filed June 18, 1948, Serial No. 559,580. Published Aug. 1, 1950. Class 46.

540,669. Uncoated Rice. Albert Ehlers, Inc., Brooklyn, N. Y.
Filed July 2, 1948, Serial No. 560,610. Published Jan. 23, 1951. Class 46.

540,670. Metal Turning Lathe Provided With Contour Tracer Control Equipment. The Monarch Machine Tool Company, Sidney, Ohio.
Filed July 7, 1948, Serial No. 560,824. Published Dec. 12, 1950. Class 23.

540,671. Unitary Electrically Operated Apparatus for Measuring, Etc. Hodgens-Barnett & Co., Inc., Chippewa Falls, Wis.
Filed July 9, 1948, Serial No. 561,017. Published Dec. 19, 1950. Class 26.

540,672. Ice Cream. Clover Green Dairies, Inc., Woodbridge, N. J., assignor, by mesne assignments, to Swift & Company, Chicago, Ill., a corporation of Illinois.
Filed July 14, 1948, Serial No. 561,294. Published Sept. 20, 1949. Class 46.

540,673. Tracing Cloth. The Winterbottom Book Cloth Company Limited, Manchester, England.
Filed July 22, 1948, Serial No. 561,964. Published Jan. 9, 1951. Class 37.

540,674. Merchandise Envelopes Made of Paper and/or Transparent or Translucent Sheet Material. Alexander Herz Co., Inc., New York, N. Y.
Filed Aug. 6, 1948, Serial No. 562,897. Published Jan. 16, 1951. Class 2.

540,675. Garment Storage Bags Made of Paper. Manahan Moth Paper Company, Brooklyn and New York, N. Y.
Filed Aug. 19, 1948, Serial No. 563,748. Published Jan. 16, 1951. Class 2.

540,676. Women's Suits, Coats, Skirts, Etc. United Mail Order House, New York, N. Y.
Filed Aug. 17, 1948, Serial No. 564,248. Published Jan. 16, 1951. Class 39.

540,677. Putty Knives. James J. Joyce, New York, N. Y.
Filed Sept. 29, 1948, Serial No. 566,082. Published Nov. 28, 1950. Class 23.

540,678. Fresh Milk, Cheese, Fresh Cream, and Fluid Buttermilk. B. R. Waldron & Sons Company, Califon, N. J.
Filed Oct. 2, 1948, Serial No. 566,371. Published Jan. 9, 1951. Class 46.

540,679. Vehicle Front End Alignment Machine and Stand Used To Correct Alignment and To Measure and Indicate the Degree of Proper Alignment. Horton Manufacturing Company, Jacksonville, Fla.
Filed Oct. 18, 1948, Serial No. 567,142. Published Jan. 16, 1951. Class 26.

540,680. Plastic or Rubber Rain Capes, Rain Hoods, Rain Coats, Shower Capes, and Make-Up Capes. The Elm City Rubber Company, New Haven, Conn.
Filed Oct. 27, 1948, Serial No. 567,689. Published Jan. 16, 1951. Class 39.

540,681. Paper Carry Bags. Equitable Paper Bag Co., Inc., Long Island City, N. Y.
Filed Oct. 27, 1948, Serial No. 567,690. Published Jan. 16, 1951. Class 2.

540,682. Air Compressors. The Jaeger Machine Company, Columbus, Ohio.
Filed Oct. 21, 1948, Serial No. 567,740. Published Dec. 12, 1950. Class 23.

540,683. Electric Fans and Electric Heating Devices—Namely, Flatirons, Toasters, and Table Ranges. Samson United Corporation, Rochester, N. Y.
Filed Oct. 30, 1948, Serial No. 567,926. Published Jan. 9, 1951. Class 21.

540,684. Magnifying Lens Attachments for Incandescent Electric Bulbs. Fairbridge Co. Incorporated, Bridgeport, Conn.
Filed Nov. 6, 1948, Serial No. 568,304. Published Dec. 12, 1950. Class 26.

540,685. Edible Vegetable Oil. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Nov. 12, 1948, Serial No. 568,659. Published Dec. 19, 1950. Class 46.

540,686. Indexes—Namely, Index Forms, Index Sheets, and the Covers of Index Books, Dockets, and Record Books. Russell Index Company, Pittsburgh, Pa.
Filed Nov. 12, 1948, Serial No. 568,671. Published Dec. 5, 1950. Class 37.

540,687. Electrical Equipment and Appliances—Namely, Electric Water Heaters. National Co-operatives, Inc., Chicago, Ill.
Filed Nov. 19, 1948, Serial No. 569,089. Published Jan. 16, 1951. Class 21.

540,688. Bar Spoons. Henry A. Verbrugge, Port Washington, N. Y.
Filed Nov. 26, 1948, Serial No. 569,495. Published Dec. 5, 1950. Class 23.

540,689. Mattresses, and Infants' Pads, Intended for Use in Play-Pens, Carriages, Cribs, and Bassinets. Rose-Derry Company, Newton, Mass.
Filed Dec. 15, 1948, Serial No. 570,580. Published Feb. 28, 1950. Class 32.

540,690. Pile Upholstery Fabrics in the Piece Composed of a Cotton Ground, a Pile of Mohair Mixed or Combined With One or More of the Materials, Cotton, Rayon, and Worsted, and an Adherent Rubber Composition on the Side of the Fabric Opposite the Pile Face. Sidney Blumenthal & Co., Inc., New York, N. Y.
Filed Dec. 17, 1948, Serial No. 570,688. Published Sept. 5, 1950. Class 42.

540,691. Toy Film Viewer in the Nature of a Stereoscope. Colorscope, Inc., Moline, Ill.
Filed Dec. 24, 1948, Serial No. 571,072. Published Dec. 5, 1950. Class 22.

540,692. Electric Lighting Fixtures of All Kinds. The Benjamin Electric Limited, London, England.
Filed Apr. 14, 1950, Serial No. 571,250. Published Jan. 16, 1951. Class 21.

540,693. Fresh Citrus Fruit. Barber Temple Orange Company, Clearwater, Fla.
Filed Jan. 10, 1949, Serial No. 571,891. Published Jan 2, 1951. Class 46.

540,694. Circuit Breakers, Switchgear, Relays, Bus Runs, Current Transformers, Potential Transformers, Resistors, and Rectifiers. I-T-E Circuit Breaker Company, Philadelphia, Pa.
Filed Jan. 11, 1949, Serial No. 571,969. Published Jan. 9, 1951. Class 21.

540,695. Dietary Supplement in Vitamin B Complex Deficiencies. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Jan. 12, 1949, Serial No. 572,069. Published Jan. 9, 1951. Class 18.

540,696. Flexible Heating Tapes Comprising Electrical Resistance Wires With Insulating Coverings. The Smith Gates Corporation, Plainville, Conn.
Filed Jan. 14, 1949, Serial No. 572,215. Published Jan. 9, 1951. Class 21.

540,697. Electrical Insulating Tape. Bishop Gutta-Percha Company, New York, N. Y., assignor to Bishop Manufacturing Corporation, Summit, N. J., a corporation of New Jersey.
Filed Jan. 25, 1949, Serial No. 572,715. Published Jan. 16, 1951. Class 21.

540,698. Electric Dial Light Board, Etc. Corvek Servicemaster, Inc., Portland, Oreg.
Filed Jan. 25, 1949, Serial No. 572,725. Published Jan. 9, 1951. Class 21.

540,699. Round Cans Formed of Fibrous Material, With an Impervious Lining Used Particularly for Packaging Hot, Cold, and Frozen Food Products. Oswego Falls Corporation, doing business as Sealright Co., Inc., Fulton, N. Y.
Filed Jan. 26, 1949, Serial No. 572,864. Published Jan. 16, 1951. Class 2.

540,700. Grooved Phonograph Records. Spotlite Record Manufacturing Corp., New York, N. Y.
Filed Jan. 26, 1949, Serial No. 572,872. Published Jan. 16, 1951. Class 36.

540,701. Plastic Utility Bags and Receptacles for Various Uses—Namely, the Storage and Transportation of Foodstuffs and Wearing Apparel. Union Carbide and Carbon Corporation, New York, N. Y., now by merger with National Carbon Company, Inc.
Filed Jan. 28, 1949, Serial No. 572,991. Published Jan. 16, 1951. Class 2.

540,702. Sharpening Machines for Mowing Machines and Cutting Tools and Blades. The Fate-Root-Heath Company, Plymouth, Ohio.
Filed Feb. 2, 1949, Serial No. 573,175. Published Jan. 2, 1951. Class 23.

540,703. Long Pajama Coats and Short Nightgowns. Miss Swank, Inc., New York, N. Y.
Filed Feb. 5, 1949, Serial No. 573,386. Published Jan. 16, 1951. Class 39.

540,704. Steel Cutting Tools for Machines—Namely, Lathes, Milling Machines, Screw Machines and Automatic Machines, Etc. Ray Bockman, doing business under the name of Nusite, Warsaw, Ind.
Filed Feb. 15, 1949, Serial No. 573,866. Published Dec. 12, 1950. Class 23.

540,705. Portable Stands or Racks for Containing Price Tags Known to the Trade as Tag Dispensers. The Hopp Press, Inc., New York, N. Y.
Filed Feb. 16, 1949, Serial No. 573,946. Published Jan. 23, 1951. Class 2.

540,706. Misses' and Women's Dresses. George Mover Company, Boston, Mass.
Original filed, act of 1946, Supplemental Register, Mar. 1, 1949; amended to application, Principal Register, May 4, 1950, Serial No. 574,719. Published Jan. 16, 1951. Class 39.

540,707. Coated Seeds—Namely, Vegetable, Flower, and Grass Seeds. Ferry-Morse Seed Co., Detroit, Mich.
Filed Mar. 9, 1949, Serial No. 575,134. Published Oct. 11, 1949. Class 1.

540,708. Plastic Parts for Electrical Devices—Namely, Switch Casings, Outlet Plugs, Cover Plates, and the Like. Lance Manufacturing Company, Philadelphia, Pa.
Filed Mar. 9, 1949, Serial No. 575,146. Published Jan. 16, 1951. Class 21.

540,709. Imitation Gems and Cut Glass Bodies Adapted for Use in the Manufacture of Costume Jewelry, Etc. Ernest Lowenstein, Inc., New York, N. Y.
Filed Mar. 9, 1949, Serial No. 575,150. Published Jan. 16, 1951. Class 28.

540,710. Imitation Gems and Cut Glass Bodies Adapted for Use in the Manufacture of Costume Jewelry, Ladies' and Gentlemen's Wearing Apparel and Accessories, Novelty Items and for Ornamentation Purposes in General. Ernest Lowenstein, Inc., New York, N. Y.
Filed Mar. 9, 1949, Serial No. 575,151. Published Jan. 16, 1951. Class 28.

540,711. Laboratory Apparatus—Namely, a Mercury Cathode Apparatus for Electrolytic Removal, Separation, or Deposition of Metals From Aqueous Solutions. Precision Scientific Company, Chicago, Ill.
Filed Mar. 9, 1949, Serial No. 575,158. Published Jan. 16, 1951. Class 26.

540,712. Electrical Resistance Units, Parts Thereof, and Attachments Therefor. Wilkor Products, Inc., Cleveland, Ohio.
Filed Mar. 11, 1949, Serial No. 575,317. Published Jan. 16, 1951. Class 21.

540,713. Palatable Antitussive for Use in the Control of the Cough Reflex. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Mar. 28, 1949, Serial No. 576,236. Published Jan. 9, 1951. Class 18.

540,714. Hermetically Sealed Protective Containers Used To Receive Electrical Apparatus Such as Relays, Contactors, Timers, Clocks, Motors, Filter Networks, Transformers, Flashers, Etc. Electro-Seal Corporation, Des Plaines, Ill.
Filed Mar. 29, 1949, Serial No. 576,255. Published Jan. 9, 1951. Class 21.

540,715. Watches. Manufacture des Montres & Chronographes Pierce S. A., Bienne, Switzerland.
Filed Apr. 8, 1949, Serial No. 576,816. Published Jan. 30, 1951. Class 27.

540,716. Watches, Watch Movements, and Parts of Watches—Namely, Watch Cases and Dials. Nerix Watch Caussignac & Jeanneret, Ltd., La Chaux-de-Fonds, Switzerland.
Filed Apr. 8, 1949, Serial No. 576,819. Published Jan. 30, 1951. Class 27.

540,717. Sleevings for Electrical Insulation. Providence Braid Company, Pawtucket, R. I.
Filed Apr. 23, 1949, Serial No. 577,598. Published Jan. 16, 1951. Class 21.

540,718. Pharmaceutical Preparation of Organic Nature Intended for Antihistaminic Treatment and for the Alleviation of Symptoms of Certain Physical and Nervous Disorders. Schering Corporation, Bloomfield, N. J.
Filed Apr. 26, 1949, Serial No. 577,737. Published Jan. 9, 1951. Class 18.

540,719. Preparation of Undecylenic Acid for the Prevention and Alleviation of Diseases of the Skin. Schering Corporation, Bloomfield, N. J.
Filed Apr. 26, 1949, Serial No. 577,743. Published Jan. 9, 1951. Class 18.

540,720. Watches, Clocks, Chronometers, and Parts Thereof. Etablissement Hour, Lavigne, Paris, France.
Filed Apr. 27, 1949, Serial No. 577,782. Published Jan. 30, 1951. Class 27.

540,721. Instruments, Sometimes Called Bathythermographs, for Measuring and Recording Water Temperature in Relation to Depth, in Large or Deep Bodies of Water. Wallace & Tiernan Products, Inc., Belleville, N. J.
Filed May 3, 1949, Serial No. 578,179. Published Dec. 5, 1950. Class 26.

540,722. Apparatus in the Form of Cabinet and Film Projector, Etc. Madison H. Tracy, doing business under the assumed name of National Auto Glass Specifications, Detroit, Mich.
Filed May 5, 1949, Serial No. 578,298. Published Jan. 9, 1951. Class 26.

540,723. Children's Feeding Device Designed Primarily for an Amusement Toy, Etc. David C. Trager, doing business as Topic Toys, Chicago, Ill.
Filed May 9, 1949, Serial No. 578,468. Published Dec. 5, 1950. Class 22.

540,724. Metal Cans and Metal Buckets. Tarrant Manufacturing Company, Saratoga Springs, N. Y.
Filed May 18, 1949, Serial No. 579,062. Published Jan. 23, 1951. Class 2.

540,725. Electrical Control and Actuating Apparatus for Adjusting Hospital Type Beds. The Macston Corporation, San Diego, Calif.
Filed May 21, 1949, Serial No. 579,283. Published Jan. 16, 1951. Class 21.

540,726. Radio Receiving Sets. Acousticraft Corporation, Chicago, Ill.
Filed May 25, 1949, Serial No. 579,469. Published Jan. 16, 1951. Class 21.

540,727. Paper Dinner Napkins and Paper Luncheon Napkins. Doeskin Products, Inc., New York, N. Y.
Filed May 25, 1949, Serial No. 579,489. Published Jan. 9, 1951. Class 37.

540,728. Canned Beef With Gravy. Colonial Provision Co., Inc., Boston, Mass.
Filed May 28, 1949, Serial No. 579,667. Published Dec. 26, 1950. Class 46.

540,729. Magnetic Grounding Contact Clamps Adapted To Function Also as Magnetic Work-Holding Means for Welding Operations. Leonard J. Ebert, Kansas City, Mo.
Filed May 28, 1949, Serial No. 579,676. Published Jan. 9, 1951. Class 21.

540,730. Cathode Ray Tubes and Photo-Electric Cells. The Rauland Corporation, Chicago, Ill.
Filed May 31, 1949, Serial No. 579,758. Published Jan. 16, 1951. Class 21.

540,731. Power Driven Sanding Machines and Parts Thereof. Bernard S. Oren, doing business as United States Industries, Chicago, Ill.
Filed June 4, 1949, Serial No. 579,995. Published Dec. 12, 1950. Class 23.

540,732. Analgesics, Anti-Anemics, Anti-Biotics, Etc. Parke, Davis & Company, Detroit, Mich.
Filed June 6, 1949, Serial No. 580,031. Published Jan. 9, 1951. Class 18.

540,733. Pocket Knives. Joe Lowe Corporation, New York, N. Y.
Filed June 7, 1949, Serial No. 580,073. Published Nov. 28, 1950. Class 23.

540,734. Novelty Pins, Bracelets, Finger Rings. Joe Lowe Corporation, New York, N. Y.
Filed June 7, 1949, Serial No. 580,076. Published Jan. 16, 1951. Class 28.

540,735. Medicinal Products Containing Extracts of Lithospermum for the Control of Conception. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y.
Filed June 9, 1949, Serial No. 580,181. Published Jan. 9, 1951. Class 18.

540,736. Cigarettes. R. R. Tobin Tobacco Co., Detroit, Mich.
Filed June 10, 1949, Serial No. 580,269. Published Jan. 9, 1951. Class 17.

540,737. Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper. Joe Lowe Corporation, New York, N. Y.
Filed June 11, 1949, Serial No. 580,306. Published Jan. 16, 1951. Class 2.

540,738. Timing Apparatus, Consisting of Electric Discharge Tubes, Etc. Robotron Corporation, Detroit, Mich.
Filed June 16, 1949, Serial No. 580,621. Published Jan. 16, 1951. Class 21.

540,739. Plastic Boxes for Holding Food. Tri-State Plastic Molding Co., Henderson, Ky.
Filed June 18, 1949, Serial No. 580,760. Published Jan. 16, 1951. Class 2.

540,740. Filing Cases for Photographic Slides. F. Kenneth Albrecht, Monkton, Md.
Filed June 28, 1949, Serial No. 581,155. Published Dec. 19, 1950. Class 26.

540,741. Electric Portable Resurfacing Machine for Cleaning and Leveling Meat Blocks. The Blockmaster, Inc., Pittsburg, Kans.
Filed July 2, 1949, Serial No. 581,466. Published Jan. 16, 1951. Class 21.

540,742. Corsets, Girdles, and Brassières. The Berger Brothers Company, New Haven, Conn.
Filed July 6, 1949, Serial No. 581,548. Published Jan. 16, 1951. Class 39.

540,743. Knives, Forks, Spoons, Food Pushers, Tongs, Ladles, Etc. Rogers, Lunt & Bowlen Company, doing business as Lunt Silversmiths, Greenfield, Mass.
Filed July 7, 1949, Serial No. 581,619. Published Jan. 30, 1951. Class 28.

540,744. Inhalant Solution for the Relief of Congestion of the Mucous Membranes of the Nose and Throat. Parke, Davis & Company, Detroit, Mich.
Filed July 13, 1949, Serial No. 581,888. Published Jan. 9, 1951. Class 18.

540,745. Aluminum Phosphate for Medicinal Hormone Preparations in an Aqueous Suspension. Schering Corporation, Bloomfield, N. J.
Filed July 13, 1949, Serial No. 581,905. Published Jan. 16, 1951. Class 18.

540,746. Buffered Penicillin G Powder for Oral Use. White Laboratories, Inc., Newark, N. J.
Filed July 16, 1949, Serial No. 582,116. Published Jan. 9, 1951. Class 18.

540,747. Surgical Dressings, Prepared Bandages, Absorbent Cotton, Gauze Bandages, Medical Dressings, Adhesive Tape for Surgical or Medical Purposes. The American White Cross Laboratories, Inc., New Rochelle, N. Y.
Filed July 18, 1949, Serial No. 582,118. Published Jan. 2, 1951. Class 44.

540,748. Potted Meat of Fishes. C. Osborn & Company Limited, London, England.
Filed July 18, 1949, Serial No. 582,383. Published Jan. 2, 1951. Class 46.

540,749. Serving Trays and Covers Sold as a Unit, Waste Baskets, and Portable Typewriter Cases, Formed of Molded Fiber Materials. Hawley Products Company, St. Charles, Ill.
Filed July 23, 1949, Serial No. 582,424. Published Jan. 16, 1951. Class 2.

540,750. Cathode-Ray Tubes. Thomas Electronics, Inc., Passaic, N. J.
Filed July 23, 1949, Serial No. 582,450. Published Jan. 16, 1951. Class 21.

540,751. Cash Registers, Calculating Machines, Coin Exchanging Apparatus and Machines, and Scales. Kooperativa Förbundet, förening u. p. a., Stockholm, Sweden.
Filed July 22, 1949, Serial No. 582,459. Published Dec. 26, 1950. Class 26.

540,752. Photographic Lenses. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed July 26, 1949, Serial No. 582,526. Published Dec. 12, 1950. Class 26.

540,753. Buffered Penicillin G Powder for Oral Administration. White Laboratories, Inc., Newark, N. J.
Filed July 26, 1949, Serial No. 582,545. Published Jan. 16, 1951. Class 18.

540,754. Ladies' Textile Underwear—Namely, Slips and Petticoats. B. Altman & Co., New York, N. Y.
Filed July 27, 1949, Serial No. 582,549. Published Jan. 16, 1951. Class 39.

540,755. Sterling Silver and Silver Plated Flatware and Hollow Ware. The Fisher Silversmiths, Inc., Jersey City, N. J., and New York, N. Y.
Filed Aug. 1, 1949, Serial No. 582,777. Published Jan. 30, 1951. Class 28.

540,756. Fresh Deciduous Fruits. James A. Carr, Hood River, Oreg.
Filed Aug. 5, 1949, Serial No. 583,030. Published Jan. 16, 1951. Class 46.

540,757. Electric Switches Automatically Responsive to Condition Changes Including Temperature, Moisture Content, Pressure, Etc. Barber-Colman Company, Rockford, Ill.
Filed Aug. 6, 1949, Serial No. 583,074. Published Dec. 26, 1950. Class 26.

540,758. Electrical Directional Head Lamps for Automobiles. Walter C. Tostevin, Mandan, N. Dak.
Filed Aug. 10, 1949, Serial No. 583,300. Published Jan. 9, 1951. Class 21.

540,759. Machines for Printing, Registering, and Issuing Tickets, Stamps, and Labels. T.I.M. (Ticket-Issue Machines) Limited, Cirencester, Gloucestershire, England.
Filed Aug. 26, 1949, Serial No. 584,213. Published Jan. 9, 1951. Class 26.

540,760. Laundry Net Bags. The American Associated Companies, Atlanta, Ga.
Filed Sept. 8, 1949, Serial No. 584,563. Published Jan. 23, 1951. Class 2.

540,761. Empty Confectionery Bags Made of Glassine, Vegetable Parchment, Plain and/or Waxed Paper. Joe Lowe Corporation, New York, N. Y.
Filed Sept. 10, 1949, Serial No. 584,683. Published Jan. 16, 1951. Class 2.

540,762. Ladies' and Misses' Dresses. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Sept. 12, 1949, Serial No. 584,719. Published Jan. 16, 1951. Class 39.

540,763. Magnetized Memo Box Containing Writing Paper and Pencil. The American Binder Company, Inc., New York, N. Y.
Filed Sept. 13, 1949, Serial No. 584,743. Published Dec. 19, 1950. Class 37.

540,764. Core Binder Tape for Electric Cables, Mica Backing in Sheet Form for Electrical Apparatus, Shielding Tape for Electric Cables, Separator Tape for Electric Control Cables, and Retention Mats for Electric Batteries. Facile Corporation, Paterson, N. J.
Filed Sept. 30, 1949, Serial No. 585,579. Published Jan. 9, 1951. Class 21.

540,765. Infants' Diapers. Kenroe, Inc., Kansas City, Mo., assignor to Vernal H. Weber, doing business as Weber Manufacturing Co., Bonner Springs, Kans.
Filed Oct. 14, 1949, Serial No. 586,285. Published Jan. 16, 1951. Class 39.

540,766. Fabric, Woven of Paper, for Making Seat Covers. Patchogue-Plymouth Mills Corporation, New York, N. Y.
Filed Oct. 17, 1949, Serial No. 586,426. Published Jan. 9, 1951. Class 42.

540,767. Cotton Yard Goods—Namely, Percale, Sheeting, Brown Muslin, and Bleached Muslin, Bleached Cotton Sheets, Colored Cotton Sheets, and Pillow Tubing. C. R. Anthony Company, Oklahoma City, Okla.
Filed Oct. 18, 1949, Serial No. 586,456. Published Jan. 2, 1951. Class 42.

540,768. Women's Bungalow Aprons, Dresses, Petticoats, Etc. The Duquesne Manufacturing Company, New Kensington, Pa.
Filed Oct. 25, 1949, Serial No. 586,797. Published Dec. 26, 1950. Class 39.

540,769. Canned Dog and Cat Food. Laurence Gentile, doing business under the name and style of Queence Packing Co., Malden, Mass.
Filed Oct. 29, 1949, Serial No. 587,022. Published Jan. 16, 1951. Class 46.

540,770. Fraternity Pins, Finger Rings, Buttons, and Badges, Made in Whole or Part of Precious Metal. Sigma Theta Epsilon Fraternity, Stillwater, Okla.
Filed Nov. 1, 1949, Serial No. 587,133. Published Jan. 30, 1951. Class 28.

540,771. Fabrics in the Piece Composed of Cotton, Wool, Silk, and Synthetic Fibers. Crompton Company, Crompton, R. I.
Filed Nov. 3, 1949, Serial No. 587,253. Published Jan. 9, 1951. Class 42.

540,772. Textile Floor Coverings—Namely, Rugs Having an All Wool Face and Cotton Backing. Empire Carpet Corporation, New York, N. Y.
Filed Nov. 4, 1949, Serial No. 587,321. Published Jan. 2, 1951. Class 42.

540,773. Automatic Printing and Totalizing Metering Apparatus Used for Determining and Recording Characteristics of a Plurality of Electrical Circuits, Etc. Foster Engineering Co., Inc., Chicago, Ill., now by change of name Metrotype Corporation, a corporation of Illinois.
Filed Nov. 8, 1949, Serial No. 587,472. Published Dec. 26, 1950. Class 26.

540,774. Dolls and Toy Stuffed Animals. Ideal Novelty & Toy Co., Hollis, N. Y.
Filed Nov. 14, 1949, Serial No. 587,728. Published Dec. 5, 1950. Class 22.

540,775. Photographic Supplies—Namely, Film Carrying Reels and Cans. Karl Knickerbocker, doing business under the assumed name of Photo Products Co., St. Clair, Mich.
Filed Nov. 14, 1949, Serial No. 587,732. Published Dec. 12, 1950. Class 26.

540,776. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Nov. 25, 1949, Serial No. 588,337. Published Jan. 2, 1951. Class 42.

540,777. Variable Speed Power Units for Transmitting Rotary Motion at Varying Output Speeds. Reeves Pulley Company, Columbus, Ind.
Filed Dec. 1, 1949, Serial No. 588,657. Published Dec. 5, 1950. Class 23.

540,778. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Dec. 1, 1949, Serial No. 588,663. Published Jan. 9, 1951. Class 42.

540,779. Wiring Sections and Appurtenant Parts Thereof for Electrical Wiring Purposes, Extruded Wiring Strips, Relays, and Switches. Pierce Laboratory, Inc., Raritan, N. J.
Filed Dec. 2, 1949, Serial No. 588,704. Published Jan. 9, 1951. Class 21.

540,780. Telescopic Sights for Rifles. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Dec. 3, 1949, Serial No. 588,734. Published Dec. 26, 1950. Class 26.

540,781. Toy Dogs. Elinor Brocato, San Francisco, Calif.
Filed Dec. 7, 1949, Serial No. 588,934. Published Dec. 5, 1950. Class 22.

540,782. Spices, Herbs, Food Seasonings—Namely, Whole Cloves, Stick Cinnamon, Anise Seed, Celery Seed, Mustard Seed, Caraway, Dill Seed, Rosemary, Oregano, Coriander, Bay Leaves, Whole Pepper, and Chili Powder, Etc. Harry A. Wagner, Hollywood, Calif.
Filed Dec. 10, 1949, Serial No. 589,179. Published Dec. 26, 1950. Class 46.

540,783. Finger Rings, Brooches, Scarf Pins, Earrings, Pendants, Lapel Buttons, and Cuff Links Made in Whole or in Part of Precious Metals. Goodman and Company, Indianapolis, Ind.
Filed Dec. 14, 1949, Serial No. 589,313. Published Jan. 30, 1951. Class 28.

540,784. Bed Sheets. Thomaston Cotton Mills, Thomaston, Ga.
Filed Dec. 15, 1949, Serial No. 589,397. Published Jan. 2, 1951. Class 42.

540,785. Index Cards, Index Guides, Guide Cards, Filing Folders, Paper Clips, Etc. Oxford Filing Supply Co., Inc., Garden City, N. Y.
Filed Dec. 16, 1949, Serial No. 589,467. Published Dec. 5, 1950. Class 37.

540,786. Paper Sheeting for Hospital and Physician's Examining and Treating Tables. A. G. Verdolyack Inc., Minneapolis, Minn.
Filed Dec. 21, 1949, Serial No. 589,749. Published Dec. 12, 1950. Class 37.

540,787. Lentils, Split Green Peas, Rice, Dried Prunes, Dried Peaches, Dried Apricots, Dried Mixed Fruit, Raisins, Saccharin Used as a Food Additive, and Dried Beans Including Red Kidney Beans, Marrow Beans, Pea Beans, and Baby Lima Beans. American Stores Company, Philadelphia, Pa.
Filed Dec. 22, 1949, Serial No. 589,760. Published Jan. 16, 1951. Class 46.

540,788. Bookkeeping and Payroll Forms Enclosed in Binders, Particularly Pay-Roll Systems. Vue Matic Company, Providence, R. I.
Filed Dec. 22, 1949, Serial No. 589,818. Published Dec. 12, 1950. Class 37.

540,789. Time Control Switch. Hankscraft Company, Reedsburg, Wis.
Filed Dec. 23, 1949, Serial No. 589,849. Published Dec. 5, 1950. Class 26.

540,790. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Dec. 24, 1949, Serial No. 589,886. Published Jan. 2, 1951. Class 42.

540,791. Slip Resistant Pants Guard Made of Paper for Coat Hangers. William F. Tufts, doing business as Research Industries, Atlanta, Ga.
Filed Dec. 29, 1949, Serial No. 590,113. Published Dec. 12, 1950. Class 37.

540,792. Duplicating Machines and Their Parts, Duplicating Apparatus and Their Parts, Addressing Machines and Their Parts, All for Office Use. Roneo Limited, London, England.
Filed Jan. 3, 1950, Serial No. 590,285. Published Dec. 12, 1950. Class 23.

540,793. Dolls. R. H. Macy & Co., Inc., New York, N. Y.
Filed Jan. 4, 1950, Serial No. 590,320. Published Dec. 5, 1950. Class 22.

540,794. Thin Film Made of Plastic and Sold in the Form of Continuous and Cut Lengths, Tubing and Sheets for Use as Wrapping and Packaging Material. The Visking Corporation, Chicago, Ill.
Filed Jan. 6, 1950, Serial No. 590,471. Published Dec. 12, 1950. Class 37.

540,795. Colored Pencils and Colored Leads. Eberhard Faber Pencil Company, Brooklyn, N. Y.
Filed Jan. 7, 1950, Serial No. 590,498. Published Nov. 14, 1950. Class 37.

540,796. Textile Fabrics in the Piece, of Cotton, Protein Fibres, and Combinations Thereof. Hego Fabrics, Inc., New York, N. Y.
Filed Jan. 10, 1950, Serial No. 590,592. Published Jan. 9, 1951. Class 42.

540,797. Cameras. Alfa Photo Corp., New York, N. Y., assignor to Agfa Camera Werk Munchen, Munich, Germany, a corporation under United States administration.
Filed Jan. 12, 1950, Serial No. 590,728. Published Dec. 12, 1950. Class 26.

540,798. Textile Fabrics of Synthetic Fibers in the Piece. Burlington Mills Corporation, Greensboro, N. C.
Filed Jan. 12, 1950, Serial No. 590,732. Published Jan. 2, 1951. Class 42.

540,799. Wheat Flour. B. Filippone & Co., Inc., Passaic, N. J.
Filed Jan. 12, 1950, Serial No. 590,740. Published Dec. 5, 1950. Class 46.

540,800. Hand Portable Electric Saws. The Black and Decker Manufacturing Company, Towson, Md.
Filed Jan. 13, 1950, Serial No. 590,797. Published Jan. 9, 1951. Class 21.

540,801. Coated Paper Used as a Sealing Liner in Caps Which Are Used as Closures on Glass, Metal, or Other Containers Used for Packaging Food, Fruits, Drugs, Cosmetics, Etc. Standard Cap and Seal Corporation, Chicago, Ill.
Filed Jan. 19, 1950, Serial No. 591,116. Published Jan. 2, 1951. Class 37.

540,802. Bakers' Wrapping Paper. Marathon Corporation, Rothschild, Wis.
Filed Jan. 20, 1950, Serial No. 591,179. Published Dec. 5, 1950. Class 37.

540,803. Butchers' Wrapping Paper. Marathon Corporation, Rothschild, Wis.
Filed Jan. 20, 1950, Serial No. 591,180. Published Dec. 5, 1950. Class 37.

540,804. Electrical Point-of-Sale Advertising Signs and Display Units. The Adsplay Co., Chicago, Ill.
Filed Jan. 24, 1950, Serial No. 591,340. Published Jan. 16, 1951. Class 21.

540,805. Pencils. Apex Products Corporation, New York, N. Y.
Filed Jan. 25, 1950, Serial No. 591,393. Published Dec. 5, 1950. Class 37.

540,806. Interoffice and Interplant Telephonic Communication Apparatus Consisting of Speakers, Amplifiers, and Intercommunicating Circuits Therefor. Talk-A-Phone Co., Chicago, Ill.
Filed Jan. 25, 1950, Serial No. 591,441. Published Jan. 9, 1951. Class 21.

540,807. Blue Print Paper. B. K. Elliott Company, Pittsburgh, Pa.
Filed Jan. 26, 1950, Serial No. 591,463. Published Dec. 19, 1950. Class 37.

540,808. Milk Cans, Dairy Pails, and Stock Tanks. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Jan. 26, 1950, Serial No. 591,478. Published Jan. 23, 1951. Class 2.

540,809. Butchers' Wrapping Paper. International Paper Company, New York, N. Y.
Filed Jan. 26, 1950, Serial No. 591,485. Published Dec. 5, 1950. Class 37.

540,810. Moistureproof and Solvent Resistant Bottle-Cap Liner Material Consisting in White Paper Coated With Flexible White Pigmented Coating Containing Melamine-Formaldehyde Resin. Irvington Varnish & Insulator Company, Irvington, N. J.
Filed Jan. 31, 1950, Serial No. 591,734. Published Jan. 9, 1951. Class 37.

540,811. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed Feb. 2, 1950, Serial No. 591,844. Published Dec. 26, 1950. Class 26.

540,812. Ladies', Misses', and Children's Panties, Step-Ins, Bandeaux, Vests, Slips, Nightgowns, Chemises, Bloomers, and Pajamas. Kelray Knitting Mills, Inc., New York, N. Y.
Filed Feb. 6, 1950, Serial No. 592,036. Published Jan. 16, 1951. Class 39.

540,813. Textile Fabrics of Synthetic Fibers in the Piece. Burlington Mills Corporation, Greensboro, N. C.
Filed Feb. 7, 1950, Serial No. 592,070. Published Jan. 9, 1951. Class 42.

540,814. Text and Cover Papers. Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y.
Filed Feb. 7, 1950, Serial No. 592,084. Published Dec. 5, 1950. Class 37.

540,815. Gloves, Said Gloves Being Made of a Combination of Leather and Fabric. The Schafer Company, Inc., Decatur, Ind.
Filed Feb. 7, 1950, Serial No. 592,103. Published Jan. 16, 1951. Class 39.

540,816. Watches, Stop Watches, and Parts Thereof. Gallet et Co., La Chaux-de-Fonds, Switzerland.
Filed Feb. 9, 1950, Serial No. 592,202. Published Jan. 30, 1951. Class 27.

540,817. Canned Foods—Namely, Shell Fish, Bamboo Shoots, Prepared Vegetables, Black Soy Beans, and "Shirataki," the Latter Being a Type of Alimentary Paste Made From Arum Root Powder. Kotake Company, Limited, Honolulu, Territory of Hawaii.
Filed Feb. 9, 1950, Serial No. 592,209. Published Dec. 26, 1950. Class 46.

540,818. Hosiery for Men, Women, Boys, and Girls. Walnut Hosiery Mills, Inc., Shamokin, Pa.
Filed Feb. 9, 1950, Serial No. 592,238. Published Jan. 16, 1951. Class 39.

540,819. Reenforced Paper for Wrapping and Packaging. American Reenforced Paper Company, Attleboro, Mass.
Filed Feb. 10, 1950, Serial No. 592,243. Published Dec. 12, 1950. Class 37.

540,820. Television Receiving Antennas, Point to Point Communication Antennas, and Amateur Transmitting Antennas. William E. Antony, Shreveport, La., assignor to Telesine Antenna Corporation, Shreveport, La., a corporation of Louisiana.
Filed Feb. 10, 1950, Serial No. 592,244. Published Jan. 9, 1951. Class 21.

540,821. Textile Fabrics of Synthetic Fibers in the Piece. Burlington Mills Corporation, Greensboro, N. C.
Filed Feb. 10, 1950, Serial No. 592,249. Published Jan. 2, 1951. Class 42.

540,822. Hosiery for Women and Girls. S. D. Arrowood & Co., Incorporated, New York, N. Y.
Filed Feb. 11, 1950, Serial No. 592,296. Published Jan. 16, 1951. Class 39.

540,823. Fresh Vegetables. H. B. Murphy Company, Brawley, Calif.
Filed Feb. 13, 1950, Serial No. 592,378. Published Dec. 19, 1950. Class 46.

540,824. Fresh Vegetables. H. B. Murphy Company, Brawley, Calif.
Filed Feb. 13, 1950, Serial No. 592,379. Published Dec. 26, 1950. Class 46.

540,825. Anti-Histamine Preparations. Jamieson Pharmacal Company, Detroit, Mich.
Filed Feb. 14, 1950, Serial No. 592,428. Published Jan. 16, 1951. Class 18.

540,826. Corrugated Paper Liners for Baking Pans. Sherman Paper Products Corporation, Newton, Mass.
Filed Feb. 14, 1950, Serial No. 592,437. Published Dec. 5, 1950. Class 37.

540,827. Textile Fabrics in the Piece and Composed of Nylon, Cotton, Rayon, Silk, Wool, and Combinations Thereof. Tanbro Fabrics Corp., New York, N. Y.
Filed Feb. 15, 1950, Serial No. 592,526. Published Jan. 2, 1951. Class 42.

540,828. Soap Powder. The C. B. Dolge Company, Westport, Conn.
Filed Feb. 16, 1950, Serial No. 592,555. Published Jan. 9, 1951. Class 52.

540,829. Bowling Bags. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Feb. 17, 1950, Serial No. 592,601. Published Dec. 5, 1950. Class 22.

540,830. Bowling Bags. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Feb. 17, 1950, Serial No. 592,603. Published Dec. 5, 1950. Class 22.

540,831. Paper Napkins, Toilet Paper and Paper Towels. Erving Paper Mills, Erving, Mass.
Filed Feb. 18, 1950, Serial No. 592,703. Published Dec. 26, 1950. Class 37.

540,832. Writing Paper and Envelopes and Wrapping Paper. Old Colony Envelope Company, Westfield, Mass.
Filed Feb. 21, 1950, Serial No. 592,831. Published Dec. 26, 1950. Class 37.

540,833. Enamel Used for Insulating Magnet Wire. Standard Varnish Works, Staten Island, N. Y.
Filed Feb. 21, 1950, Serial No. 592,849. Published Jan. 9, 1951. Class 21.

540,834. Accordions. Chicago Musical Instrument Co., Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,877. Published Jan. 16, 1951. Class 36.

540,835. Accordions. Chicago Musical Instrument Co., Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,878. Published Jan. 16, 1951. Class 36.

540,836. Accordions. Chicago Musical Instrument Co., Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,879. Published Jan. 16, 1951. Class 36.

540,837. Gin. G. F. Heublein & Bro., Inc., Hartford, Conn.
Filed Feb. 28, 1950, Serial No. 593,176. Published Jan. 16, 1951. Class 49.

540,838. Scissors and Shears of General Household Utility. The Clayton Manufacturing Company, Bristol, Conn.
Filed Mar. 2, 1950, Serial No. 593,261. Published Dec. 5, 1950. Class 23.

540,839. Bread, Bread Crumbs, Coffee Rings, Coffee Cakes, Sweet Buns or Rolls, Kladderdatch Cake, Pastry, Biscuits, Doughnuts, Cookies, Potato Chips, and Pretzels. General Baking Company, New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,344. Published Dec. 26, 1950. Class 46.

540,840. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,626. Published Jan. 30, 1951. Class 27.

540,841. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,628. Published Jan. 30, 1951. Class 27.

540,842. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,629. Published Jan. 30, 1951. Class 27.

540,843. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,631. Published Jan. 30, 1951. Class 27.

540,844. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,632. Published Jan. 30, 1951. Class 27.

540,845. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,636. Published Jan. 30, 1951. Class 27.

540,846. Fresh Grapes. Gerry Dell'Ollio, doing business as Dell'Olio Ranch, Tipton, Calif.
Filed Mar. 10, 1950, Serial No. 593,714. Published Jan. 2, 1951. Class 46.

540,847. Rayon, Cotton, Linen, Wool, Nylon, and Silk Fabrics in the Piece. Tanbro Fabrics Corp., New York, N. Y.
Filed Mar. 11, 1950, Serial No. 593,841. Published Jan. 9, 1951. Class 42.

540,848. Antianemic Preparations. E. R. Squibb & Sons, New York, N. Y.
Filed Mar. 15, 1950, Serial No. 594,002. Published Jan. 16, 1951. Class 18.

540,849. Fabric Cover Sets for Toilet Tanks and Toilet Seat Lids. Armstrong Products Company, Milwaukee, Wis.
Filed Mar. 16, 1950, Serial No. 594,010. Published Jan 2, 1951. Class 42.

540,850. Cotton Fabrics in the Piece Sold by the Yard and in the Bolt. The Springs Cotton Mills, Lancaster, S. C.
Filed Mar. 16, 1950, Serial No. 594,079. Published Jan. 9, 1951. Class 42.

540,851. Women's and Misses' Dresses. Forest City Manufacturing Company, St. Louis, Mo.
Filed Mar. 18, 1950, Serial No. 594,213. Published Jan. 16, 1951. Class 39.

540,852. Thermometers for Use as Controls for Indicating Proper Heat Processing of Milk and Milk Formulas, and for Use in Infant Formula Autoclaving. Smith & Underwood, Royal Oak, Mich.
Filed Mar. 21, 1950, Serial No. 594,337. Published Dec. 5, 1950. Class 26.

540,853. Power Driven Stapling Machines. James J. Oussani, doing business as The Staplex Company, Brooklyn, N. Y.
Filed Mar. 22, 1950, Serial No. 594,395. Published Jan. 2, 1951. Class 23.

540,854. Biological Stain. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,424. Published Jan. 16, 1951. Class 6.

540,855. Spectacle Frames. Kono Manufacturing Company, Woodside and New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,477. Published Dec. 26, 1950. Class 26.

540,856. Harmonicas. Magnus Harmonica Corporation, Newark, N. J.
Filed Mar. 23, 1950, Serial No. 594,481. Published Jan. 16, 1951. Class 36.

540,857. Antennas for Television Sets. The Radion Corporation, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,493. Published Jan. 16, 1951. Class 21.

540,858. Antennas for Television Sets. The Radion Corporation, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,494. Published Jan. 16, 1951. Class 21.

540,589. Television Receiving Sets, Electric Phonographs, and Television, Radio, and Phonograph Combinations. The Associated Merchandising Corporation, New York, N. Y.
Filed Mar. 27, 1950, Serial No. 594,686. Published Jan. 16, 1951. Class 21.

540,860. Cigarettes. The American Tobacco Company, New York, N. Y.
Filed Mar. 28, 1950, Serial No. 594,740. Published Jan. 9, 1951. Class 17.

540,861. Woolen and Worsted Piece Goods. Anglo Fabrics Company, Inc., New York, N. Y.
Filed Mar. 28, 1950, Serial No. 594,747. Published Jan. 2, 1951. Class 42.

540,862. Men's, Ladies', and Children's Knitted Underwear. Trebor Knitting Mills, Inc., New York, N. Y.
Filed Mar. 29, 1950, Serial No. 594,872. Published Jan. 16, 1951. Class 39.

540,863. Apparatus for Comparing the Speeds of Wheels, Shafts, and Other Rotating Members and for Bringing the Same Into Timed Relation. American Brake Shoe Company, New York, N. Y.
Filed Apr. 1, 1950, Serial No. 595,045. Published Dec. 26, 1950. Class 26.

540,864. Electric Circuit Interrupters of the Vibrating Type. Servomechanisms, Inc., Mineola, N. Y.
Filed Apr. 1, 1950, Serial No. 595,096. Published Jan. 16, 1951. Class 21.

540,865. Corsetry—Namely, Corsets, Girdles, Brassières, Foundation Garments. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 3, 1950, Serial No. 595,158. Published Jan. 16, 1951. Class 39.

540,866. Medicinal Tablets Used in the Treatment of Obesity. O. Parmeter, doing business as Lampar Co., Dallas, Tex.
Filed Apr. 4, 1950, Serial No. 595,224. Published Jan. 9, 1951. Class 18.

540,867. Electrically Operated Elevating Chairs for Use in Moving Invalids or the Like From One Story of a House to Another. The Shepard Elevator Company, Cincinnati, Ohio.
Filed Apr. 7, 1950, Serial No. 595,437. Published Jan. 16, 1951. Class 21.

540,868. Muscle Relaxant. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Apr. 11, 1950, Serial No. 595,564. Published Jan. 9, 1951. Class 18.

540,869. Finger Rings, Gem Mountings, and Parts Thereof. Tessler & Weiss, Inc., Newark, N. J.
Filed Apr. 11, 1950, Serial No. 595,570. Published Jan. 30, 1951. Class 28.

540,870. Photographic Tripods and Pan Heads. Quick-Set, Incorporated, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,621. Published Jan. 9, 1951. Class 26.

540,871. Photographic Tripods. Quick-Set, Incorporated, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,622. Published Jan. 9, 1951. Class 26.

540,872. Photographic Tripods. Quick-Set, Incorporated, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,623. Published Jan. 9, 1951. Class 26.

540,873. Trolley Clamps and Suspension Devices for Use in Supporting Trolley Wires. The Ohio Brass Company, Mansfield, Ohio.
Filed Apr. 14, 1950, Serial No. 595,734. Published Jan. 16, 1951. Class 21.

540,874. Frequency Monitor and Modulation Meters, Voltmeters, and Distortion Analyzers. Hewlett-Packard Company, Palo Alto, Calif.
Filed Apr. 15, 1950, Serial No. 595,782. Published Jan. 2, 1951. Class 26.

540,875. Motion Pictures and Motion Picture Film Which Have Records of Sound, Words, and/or Music Thereon and Motion Picture Films Adapted for Synchronization With Sound, Words, and/or Music Records. Republic Pictures Corporation, New York, N. Y.
Filed Apr. 18, 1950, Serial No. 595,915. Published Jan. 2, 1951. Class 26.

540,876. Silver Plated Flatware, and Sterling Silver Flatware. Saben Glass Company, New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,197. Published Jan. 30, 1951. Class 28.

540,877. Electric Stoves. International Appliance Corporation, New York, N. Y.
Filed Apr. 25, 1950, Serial No. 596,282. Published Jan. 16, 1951. Class 21.

540,878. Automotive Ignition Replacement Parts—Namely, Distributor Contact Points, Distributor Caps, Distributor Rotors, Complete Distributors, Condensers, Starter Switches, Stoplight Switches, Voltage Regulators, Generator Relay Cutouts, Headlight Relays, Horn Relays, Generator and Starter Brushes, Generator and Starter Bushings, and Ignition Coils. American Motor Products Company, Fond du Lac, Wis.
Filed Apr. 26, 1950, Serial No. 596,317. Published Jan. 16, 1951. Class 21.

540,879. Automotive Ignition Replacement Parts—Namely, Distributor Contact Points, Distributor Condensers, Distributor Caps, Distributor Rotors, Distributors Complete, Starter Switches, Stop Light Switches, Voltage Regulators, Generator Relay Cutouts, Headlight Relays, Horn Relays, Generator and Starter Brushes, Generator and Starter Bushings, and Ignition Coils. American Motor Products Company, Fond du Lac, Wis.
Filed Apr. 26, 1950, Serial No. 596,318. Published Jan. 16, 1951. Class 21.

540,880. Temperature Controlled Valves for Use With Oil Burning Equipment. Scully Signal Company, Cambridge, Mass.
Filed Apr. 28, 1950, Serial No. 596,526. Published Jan. 2, 1951. Class 26.

540,881. Sterling Silver and Sterling Silver Mounted Flatware, Hollow-Ware, and Table Cutlery. Towle Manufacturing Company, Newburyport, Mass.
Filed Apr. 28, 1950, Serial No. 596,540. Published Jan. 30, 1951. Class 28.

540,882. Electric Motors, Electric Generators, Including Both Rotating Machinery and Electronic Equipment, Etc. The Reliance Electric and Engineering Company, Cleveland, Ohio.
Filed May 6, 1950, Serial No. 597,015. Published Jan. 16, 1951. Class 21.

540,883. Opera Glasses and Binoculars. Stephen E. Laszlo, Brooklyn, N. Y.
Filed May 10, 1950, Serial No. 597,211. Published Dec. 5, 1950. Class 26.

540,884. Eyeglasses, Sunglasses, Lenses, and Frames. Gold Medal Hair Products, Inc., Brooklyn, N. Y.
Filed May 11, 1950, Serial No. 597,267. Published Jan. 16, 1951. Class 26.

540,885. Pressure Gauges. Clapp Instrument Company, Webster, Mass., now by change of name, Acragage Company, a corporation of Massachusetts.
Filed May 13, 1950, Serial No. 597,385. Published Jan. 2, 1951. Class 26.

540,886. Photographic Cameras. Eastman Kodak Company, Flemington, N. J. and Rochester, N. Y.
Filed May 13, 1950, Serial No. 597,390. Published Dec. 12, 1950. Class 26.

540,887. Photographic Cameras. Eastman Kodak Company, Flemington, N. J. and Rochester, N. Y.
Filed May 13, 1950, Serial No. 597,391. Published Dec. 19, 1950. Class 26.

540,888. Costume Jewelry—Namely, Reproductions of Antique Watch Balance Cocks. Cyril Woods, New York, N. Y.
Filed May 13, 1950, Serial No. 597,426. Published Jan. 16, 1951. Class 28.

540,889. Cameras. Stereocrafters, Inc., Milwaukee, Wis.
Filed May 18, 1950, Serial No. 597,709. Published Dec. 26, 1950. Class 26.

540,890. Mechanical Packaging and Bottling Machinery—Namely, Carton Feeding Machines, Carton Lining Machines, Etc. Pneumatic Scale Corporation, Limited, Quincy, Mass.
Filed Apr. 18, 1950, Serial No. 597,862. Published Dec. 12, 1950. Class 23.

540,891. Insulated Electric Heating Cable. L. N. Roberson Co., Seattle, Wash.
Filed May 27, 1950, Serial No. 598,274. Published Jan. 16, 1951. Class 21.

540,892. Electric Water Heaters and Electric Ranges and Parts Thereof. Motor Products Corporation, Detroit, Mich. and North Chicago, Ill.
Filed May 29, 1950, Serial No. 598,316. Published Jan. 9, 1951. Class 21.

540,893. Woolen Piece Goods. A. D. Juilliard & Co., Inc., New York, N. Y.
Filed June 2, 1950, Serial No. 598,483. Published Jan. 2, 1951. Class 42.

540,894. Piece Goods Entirely of Rayon, Mohair, and Synthetic Fibers, Combined in One Fabric and Sold in Bolts. Goodall-Sanford, Inc., Sanford, Maine.
Filed June 3, 1950, Serial No. 598,531. Published Jan. 9, 1951. Class 42.

540,895. Transformers and Parts Thereof. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed June 7, 1950, Serial No. 598,697. Published Jan. 16, 1951. Class 21.

540,896. Rotary Electric Switch. Pres-On Switch Co., Winston-Salem, N. C.
Filed June 8, 1950, Serial No. 598,811. Published Jan. 16, 1951. Class 21.

540,897. Non-Metallic Muddlers. Spir-It, Inc., Malden, Mass.
Filed June 9, 1950, Serial No. 598,871. Published Dec. 5, 1950. Class 23.

540,898. Wire Drawing Machines, Both Individual, Tandem and Continuous, Etc. The Vaughn Machinery Company, Cuyahoga Falls, Ohio.
Filed June 14, 1950, Serial No. 599,133. Published Jan. 2, 1951. Class 23.

540,899. Augers and Bits. The Russell Jennings Manufacturing Company, New Britain, Conn.
Filed June 16, 1950, Serial No. 599,245. Published Dec. 5, 1950. Class 23.

540,900. Series of Motion Picture Animated Cartoons. Terrytoons, Inc., New Rochelle, N. Y.
Filed June 16, 1950, Serial No. 599,280. Published Dec. 26, 1950. Class 26.

540,901. Sewing Machines. Morse Sewing Machine and Supply Corp., New York, N. Y.
Filed June 23, 1950, Serial No. 599,645. Published Dec. 5, 1950. Class 23.

540,902. Galvanometers, Oscillograph, Recorders, Etc. Heiland Research Corporation, Denver, Colo.
Filed July 7, 1950, Serial No. 600,336. Published Jan. 2, 1951. Class 26.

540,903. Photographic Articles, Accessories, and Equipment—Namely, Photo-Flash Synchronizers, Etc. Heiland Research Corporation, Denver, Colo.
Filed July 7, 1950, Serial No. 600,337. Published Jan. 2, 1951. Class 26.

540,904. Accelerometers and Gradometers. Co-Pilot Company, Van Nuys, Calif.
Filed Aug. 4, 1950, Serial No. 601,713. Published Jan. 16, 1951. Class 26.

540,905. Universal Viewfinders for Cameras Adapted To Be Used With Lenses of Various Focal Lengths. Cinefot International Corp., New York, N. Y.
Filed Aug. 17, 1950, Serial No. 602,307. Published Jan. 2, 1951. Class 26.

540,906. Silverplated Flatware. Nathan Straus-Duparquet, Inc., New York, N. Y.
Filed Sept. 7, 1950, Serial No. 603,266. Published Jan. 30, 1951. Class 28.

Service Marks

540,907. Services Rendered to Automobiles, Trucks and Other Automotive Vehicles—Namely, Lubrication. The Pure Oil Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,718. Published Jan. 9, 1951. Class 103.

540,908. Services to the Members of the Association, Etc. National Rifle Association of America, Washington, D. C.
Filed July 10, 1947, Serial No. 528,301. Published Jan. 16, 1951. Class 100.

540,909. General Advertising Services—Namely, Conception of Ideas for Newspaper, Radio, Magazine, Outdoor, and Bus Card Advertising, and Public Relations Work, Etc. The Jessop Advertising Company, Akron, Ohio.
Filed Oct. 18, 1947, Serial No. 538,287. Published Jan. 16, 1951. Class 101.

540,910. Marketing Research—Namely, Marketing Research With Reference to Sales of Consumer Goods, Etc. A. C. Nielsen Company, Chicago, Ill.
Filed Dec. 19, 1947, Serial No. 544,901. Published Jan. 9, 1951. Class 101.

540,911. Air Transportation of Persons, Property, and Mail. Eastern Air Lines, Inc., New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,377. Published Jan. 16, 1951. Class 105.

540,912. Presentation of Concerts, Lectures, Theatrical Performances, Motion Pictures, Panel Discussions, and Ballet. The Philadelphia Forum, Inc., Philadelphia, Pa., assignor to The Philadelphia Inquirer Charities, Inc., Philadelphia, Pa., a non-profit corporation of Pennsylvania.
Filed May 11, 1948, Serial No. 556,812. Published Jan. 9, 1951. Class 107.

540,913. Radio Program Broadcasting. National Broadcasting Company, Inc., New York, N. Y.
Filed May 12, 1948, Serial No. 556,904. Published Jan. 16, 1951. Class 104.

540,914. Imprinting, Stenciling, and Imparting by Silk Screen Process Designs, Lettering, and Combinations of the Same on Fabrics. Victoria Silk Press, Incorporated, St. Louis, Mo.
Filed June 5, 1948, Serial No. 558,605. Published Jan. 16, 1951. Class 106.

540,915. Marketing Research—Namely, Marketing Research With Reference to Sales of Consumer Goods, Etc. A. C. Nielsen Company, Chicago, Ill.
Filed Aug. 17, 1948, Serial No. 563,626. Published Jan. 9, 1951. Class 101.

540,916. Farm Management Service Comprising all Phases of Farm and Dairy Operations, Etc. Opekasit, Inc., Hamilton, Ohio.
Filed Mar. 8, 1949, Serial No. 575,081. Published Jan. 9, 1951. Class 100.

540,917. Opticians' Services—Namely, Grinding and Polishing Lenses and Frames, Etc. The Youngstown Optical Company, Youngstown, Ohio.
Filed Sept. 8, 1949, Serial No. 584,600. Published Jan. 9, 1951. Class 106.

540,918. Advisory Service to Druggists and all Other Store Keepers and Individuals, Relating to Sales Promotion, Etc. Julius Hausner, Brooklyn, N. Y.
Filed Dec. 23, 1949, Serial No. 589,851. Published Jan. 9, 1951. Class 101.

540,919. The Underwriting of Life Insurance Providing for Retirement Income and Death Benefits, Etc. The Municipal Insurance Company, Chicago, Ill.
Filed Mar. 9, 1950, Serial No. 593,677. Published Jan. 16, 1951. Class 102.

540,920. Railroad Passenger and Freight Transportation Service. Minneapolis, St. Paul & Sault Ste. Marie Railroad Company, Minneapolis, Minn.
Filed Mar. 25, 1950, Serial No. 594,651. Published Jan. 16, 1951. Class 105.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

540,921. (Class 46. Foods and Ingredients of Foods.) Pratt-Low Preserving Company, Santa Clara, Calif. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, Aug. 29, 1949, Serial No. 546,791.

Sutter Pak

Applicant claims ownership of Registration No. 285,178.
For Canned Fruits and Vegetables.
Claims use since May 1, 1925.

540,922. (Class 28. Jewelry and Precious-Metal Ware.) Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Original filed, act of 1946, Principal Register, Jan. 23, 1948; amended to application, Supplemental Register, Jan. 11, 1950, Serial No. 547,859.

TWIN-LOCK

For Wrist Watch Bands.
Claims use since Dec. 9, 1947.

540,923. (Class 22. Games, Toys, and Sporting Goods.) James W. Brine Co. Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Mar. 20, 1948; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 552,568.

JAMES W. BRINE CO. INC. AT 92 SUMMER ST.

The name "James W. Brine" is the name of the founder of applicant's predecessor, now deceased. Applicant claims ownership of Registrations Nos. 162,203, 162,204, 162,205.

For Archery Bows, Archery Target Stands, Badminton Rackets, Badminton Birds, Badminton Presses, Badminton Nets, Baseballs, Bats, Bat Bags, Baseball Gloves, Catchers' Mitts, Basemen's Mitts, Catchers' Masks, Leg Guards, Athletic Type Body Protectors, Sliding Pads, Basketballs, Basketball Carriers, Basketball Goals, Bas-

ketball Nets, Basketball Knee Pads, Eyeglass Protectors, Striking Bags, Striking Bag Gloves, Striking Bag Platforms, Boxer's Abdominal Supporter, Boxers' Helmets, Boxing Gloves, Knee Braces, Fencing Foils, Fencing Sabres, Fencing Masks, Fencing Plastrons, Field Hockey Balls, Field Hockey Sticks, Field Hockey Shin Guards, Croquet Sets, Shuffleboard Sets, Table Tennis Tables, Table Tennis Balls, Table Tennis Paddles, Table Tennis Net and Post Sets, Medicine Balls, Volleyball Nets, Deck Tennis Nets, Ice Hockey Nets, Soccer Nets, Field Hockey Nets, Lacrosse and Batting Cage, Umpires' Horns, Tackling Dummy, Snowshoes, Sleds, Tobogans, Skis, Ski Bindings, Ski Poles, Coil Spring Exerciser, Playground Balls, Fielders' Gloves, Quoits, Fishing Rods, Reels, Lines, Hooks, Tackle Boxes, Dart Board, Chess Set, Checkers, Roulette Wheel, Golf Clubs, Golf Balls, Golf Bags, Megaphones, Softballs, Softball Bats, Softball Gloves, Softball Mitts, Softball Leg Guards, Softball Body Protectors, Soccer Balls, Soccer Shin Guards, Squash Rackets, Athletic Supporters, Tennis Balls, Tennis Rackets, Tennis Presses, Tennis Posts, Tennis Racket Covers, Volleyballs, Volleyball Standards, Footballs, Shoulder Pads, Helmets, Hip Pads, Rib Pads, Football Dummies, Tennis Tape Used as Line Markers, Hockey Sticks, Hockey Pucks, Hockey Gloves, Hockey Skates, Hockey Helmets, Hockey Shoulder Pads, Hockey Shin Guards, Hockey Elbow Pads, Vaulting Poles, Javelins, Discus, Vaulting and Jumping Standards, Toe Board, Take Off Board, Shot and Discus Circle, Starting Blocks, Cross Bars, Vaulting Box, Inflated Beach Balls, Inflated Beach Cushions, Inflated Life Rafts.

Claims use since Aug. 18, 1947.

540,924. (Class 40. Fancy Goods, Furnishings, and Notions.) Marrow Manufacturing Co., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 26, 1948; amended to application, Supplemental Register, Aug. 26, 1950, Serial No. 555,611.

Trimall

For Fabric Applique Pieces, Artificial Flowers and Feathers in the Nature of Trimmings for Clothing, Millinery, Lamp Shades, and the Like.

Claims use since Jan. 15, 1948.

540,925. (Class 46. Foods and Ingredients of Foods.) Cardinet Candy Company, Inc., Oakland, Calif. Original filed, act of 1946, Principal Register, June 7, 1948; amended to application, Supplemental Register, July 3, 1950, Serial No. 558,630.

"The Candy with a Dual Personality"

Applicant claims ownership of Registration No. 254,132.

For Candy.

Claims use since June 24, 1929.

540,926. (Class 46. Foods and Ingredients of Foods.) Valencia Heights Orchards Association, Covina, Calif. Original filed, act of 1946, Principal Register, June 26, 1948; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 560,305.

DE LUXE

For Fresh Citrus Fruits.

Claims use since 1927.

540,927. (Class 12. Construction Materials.) Malanco, Inc., Blue Island, Ill. Original filed, act of 1946, Principal Register, Aug. 3, 1948; amended to application, Supplemental Register, Dec. 1, 1950, Serial No. 562,716.

GLASTRIP

For Glass Fiber Insulating Material in Strip Form for Special Insulating Purposes Including Weather Stripping, Calking, and Similar Uses.

Claims use since July 16, 1948.

540,928. (Class 37. Paper and Stationery.) A. Kimball Company, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 2, 1948; amended to application, Supplemental Register, Sept. 2, 1950, Serial No. 564,573.

SUPER-MARKER

For Blank and Partially Printed Labels.

Claims use since Sept. 22, 1947.

540,929. (Class 40. Fancy Goods, Furnishings, and Notions.) Embrusa, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, Jan. 20, 1951, Serial No. 565,913.

PAILLE-LACE

For Millinery Braids.

Claims use since July 1, 1948.

540,930. (Class 46. Foods and Ingredients of Foods.) Ben Hill Griffin, Inc., Avon Park, Fla. Original filed, act of 1946, Principal Register, Oct. 21, 1948; amended to application, Supplemental Register, Oct. 2, 1950, Serial No. 567,398.

Frost Proof

For Fresh Citrus Fruits.

Claims use since Sept. 18, 1948.

540,931. (Class 12. Construction Materials.) M. J. Merkin Paint Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 26, 1948; amended to application, Supplemental Register, Sept. 16, 1950, Serial No. 567,643.

Swet Stop

For Plastic Material of Paintlike Consistency, Applicable to Surfaces as a Protective Coating and To Prevent Condensation Thereon.

Claims use since Sept. 25, 1948.

540,932. (Class 29. Brooms, Brushes, and Dusters.) Ruth Rossi, doing business as Glow Products, New York, N. Y., assignor to Bramas Trading Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 19, 1948; amended to application, Supplemental Register, Dec. 1, 1950, Serial No. 569,100.

EASY-GLO

For Chemically Treated Polishing Cloth for Polishing Metal, Glass, Furniture, and Automobiles.

Claims use since 1944.

540,933. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Nash Inc., Jersey City, N. J. Original filed, act of 1946, Principal Register, Dec. 22, 1948; amended to application, Supplemental Register, Dec. 23, 1950, Serial No. 570,982.

TEXAS SADDLE CALF

For Bill Folds, Pocket Books, Purses, and Wallets.

Claims use since Apr. 21, 1948.

540,934. (Class 6. Chemicals and Chemical Compositions.) Wm. H. Kane, doing business under the firm name and style of The Dri-Rite Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 28, 1949; amended to application, Supplemental Register, May 3, 1950, Serial No. 572,980.

SAFE-T-DRY

For Floor Treating Compound—Namely, an Oil and Grease Absorbent.

Claims use since Dec. 4, 1948.

540,935. (Class 6. Chemicals and Chemical Compositions.) Chipman Chemical Company, Inc., Bound Brook, N. J. Filed Feb. 1, 1949, Serial No. 573,117.

STOP-SPROUT

For Methyl-a-Naphthalene Acetate, a Sprout Inhibitor.

Claims use since Dec. 17, 1946.

540,936. (Class 26. Measuring and Scientific Appliances.) Sam Christian Uphouse, doing business as Foto-Rule Company, Monrovia, Calif. Original filed, act of 1946, Principal Register, July 23, 1949; amended to application, Supplemental Register, Feb. 5, 1951, Serial No. 582,452.

FOTO RULE

For a Steel Tape Rule Device Used on a Camera to: (1) Determine Distance From the Camera Lens to the Object To Be Photographed, (2) Properly Center the Object To Be Photographed, and (3) Determine the Correct Distance of the Camera Lens to the Object by Reference to a Dial Attached to the Device.

Claims use since June 10, 1949.

540,937. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Ronay, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 17, 1949; amended to application, Supplemental Register, Dec. 13, 1950, Serial No. 586,435.

"IT'S NIFTY TO BE THRIFTY IN FIFTY"

For Ladies' Handbags, Pocketbooks, Purses, Wallets, Billfolds.

Claims use since May 1949.

540,938. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) H. K. Porter, Inc., Somerville, Mass. Original filed, act of 1946, Principal Register, Nov. 5, 1949; amended to application, Supplemental Register, Jan. 3, 1951, Serial No. 587,397.

LINKFIX

For Tire Chain Repair Tools.

Claims use since Dec. 1, 1948.

540,939. (Class 6. Chemicals and Chemical Compositions.) California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Filed Mar. 27, 1950, Serial No. 594,692.



Applicant claims ownership of Registrations Nos. 121,042, 281,810, and others.

For Insecticides, Herbicides, and Weedicides.

Claims use since Jan. 27, 1949.

540,940. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) F. W. Woolworth Co., New York, N. Y., Original filed, act of 1946, Principal Register, Apr. 21, 1950; amended to application, Supplemental Register, Jan. 31, 1951, Serial No. 596,140.

Lady Madison

The words "Lady Madison" are not intended to identify any particular living individual. Applicant claims ownership of Registrations Nos. 427,340 and 424,553.

For Sewing, Embroidery, Pocket and Buttonhole Scissors.

Claims use since Jan. 23, 1950.

540,941. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) All-Power Manufacturing Co., Montebello, Calif. Original filed, act of 1946, Principal Register, May 1, 1950; amended to application, Supplemental Register, Dec. 18, 1950, Serial No. 596,643.

ALL-POWER KLEAVERSAW

For Combination Cleavers and Saws.
Claims use since Jan. 21, 1949.

540,942. (Class 51. Cosmetics and Toilet Preparations.) Rimmel, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 13, 1950; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 597,415.

BROWLINE

For Eyebrow Pencils, Mascara Cosmetic in Cake, Cream, Liquid or Stick Form, Eye Shadow, and Eye Creams and Lotions.
Claims use since Mar. 24, 1948.

540,943. (Class 26. Measuring and Scientific Appliances.) The Fotopak Corp., Ridgefield, N. J. Filed June 19, 1950, Serial No. 599,371.

KOLOR SPEEDPRINTER

For Photo Printing Machines.
Claims use since Mar. 1, 1949.

540,944. (Class 26. Measuring and Scientific Appliances.) Cinefot International Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 17, 1950; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 602,306.

POLYFOCUS

For Universal Viewfinders for Cameras Adapted To Be Used With Lenses of Various Focal Lengths.
Claims use since Nov. 30, 1949.

TRADE-MARK REGISTRATIONS RENEWED

35,841. EMOLEO. Registered Jan. 29, 1901. McKesson & Robbins. Re-renewed Jan. 29, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Preparation of a Semifluid Nature for Application to the Mucous Membrane and Skin as a Remedial Agent and Vehicle for the Application of Various Drugs. Class 18.

36,635. REPRESENTATION OF RECTANGULAR PANEL AND DESIGN. Registered June 25, 1901. The Wintersmith Medicine Co. Re-renewed June 25, 1951, to Wintersmith Chemical Co., Louisville, Ky., a corporation of Kentucky. Tonics. Class 18.

80,741. NORWOOD. Registered Jan. 24, 1911. Smith, Kline & French Company. Re-renewed Jan. 24, 1951, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. Root-Beer Extract. Class 45.

81,166. KOLA-CARDINETTE. Registered Mar. 7, 1911. The Palisade Manufacturing Co. Re-renewed Mar. 7, 1951, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York. Medicinal Cordial for Internal Use in Case of Debility, Disorders of Digestive Organs, Etc. Class 18.

82,200. "BERN" AND REPRESENTATION OF HEART LINED FOR RED. Registered June 13, 1911. David Bernhardt Paint Company, Ltd. Re-renewed June 13, 1951, to David Bernhardt Paint and Glass Company, Inc., New Orleans, La., a corporation of Louisiana. Varnishes and Mixed Paint. Class 16.

82,243. PIN MONEY. Registered June 13, 1911. Ellen G. Kidd, Richmond, Va. Re-renewed June 13, 1951, to Pin Money Brands, Inc., Gloucester, Va., a corporation of Virginia. Brandied Fruits, Fruits in Syrup, Fruit-Jelly, Etc. Class 46.

82,462. "MILKMAID BRAND" AND DRAWING. Registered June 27, 1911. Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland. Re-renewed June 27, 1951, to The Nestlé Company, Inc., Colorado Springs, Colo., a corporation of New York. Cocoa With Milk and Chocolate With Milk. Class 46.

277,191. WAXGLO. Registered Nov. 11, 1930. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware. Renewed Nov. 11, 1950. Liquid Floor Wax. Class 16.

278,698. ZALBA. Registered Dec. 30, 1930. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed Dec. 30, 1950. Chemicals Used as Antioxidants for Rubber. Class 6.

278,774. SULPHORICINOL. Registered Dec. 30, 1930. Bick and Company, Inc., Reading, Pa., a corporation of Pennsylvania. Renewed Dec. 30, 1950. Sulphonated Castor Oil. Class 18.

278,993. PENGUIN. Registered Jan. 6, 1931. California Fruit Exchange, Sacramento, Calif., a corporation of California. Renewed Jan. 6, 1951. Fresh Grapes. Class 46.

279,042. ST. REGIS. Registered Jan. 6, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Jan. 6, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Medical Atomizers, Rubber Gloves for Medical Use. Class 44.

279,153. SERV-ALL. Registered Jan. 6, 1931. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 6, 1951. Gas-Burning Water Heaters. Class 34.

279,196. SEETO. Registered Jan. 13, 1931. Silvertone Process Corporation. Renewed Jan. 13, 1951, to Certified Dry Mat Corporation, New York, N. Y., a corporation of New York. Matrix, Dry Mat, or Boards Used in Stereotyping or Electrotyping, and Finished Printing Plates. Class 50.

279,231. "DECKER'S IOWA TALL KORN" AND DESIGN. Registered Jan. 13, 1931. Jacob E. Decker & Sons, Mason City, Iowa. Renewed Jan. 13, 1951, to Armour and Company, Chicago, Ill., a corporation of Illinois. Bacon. Class 46.

279,286. HÂ DEES. Registered Jan. 13, 1931. Liberty Foundries Company. Renewed Jan. 13, 1951, to Burd Piston Ring Company, Rockford, Ill., a corporation of Illinois. Space Heaters, Generally of a Type Through Which Steam or Hot Water is Passed To Deliver the Heat Therefrom, and Parts and Deflectors Therefor. Class 34.

279,810. ADASET. Registered Jan. 27, 1931. Botfield Refractories Company, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 27, 1951. Refractory Cement. Class 12.

279,890. "STYLIST" AND DESIGN. Registered Feb. 3, 1931. Louis Baskind & Co., Inc. Renewed Feb. 3, 1951, to H. D. Baskind & Co., Inc., New York, N. Y., a corporation of New York. Men's and Boys' Dress and Negligee Shirts and Men's and Boys' Pajamas. Class 39.

279,904. SPORTSMAN. Registered Feb. 3, 1931. Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., a corporation of Delaware. Renewed Feb. 3, 1951. Firearms, Especially Shotguns. Class 9.

280,018. PANRITE. Registered Feb. 10, 1931. Testrite Instrument Company. Renewed Feb. 10, 1951, to Testrite Instrument Co. Inc., New York, N. Y., a corporation of New York. Swingable Base Support for Optical, Photographic, Scientific Apparatus—Namely, a Tripod Top for Swingably Supporting Cameras, Telescopes. Class 26.

280,019. STANRITE. Registered Feb. 10, 1931. Testrite Instrument Company. Renewed Feb. 10, 1951, to Testrite Instrument Co. Inc., New York, N. Y., a corporation of New York. Portable Adjustable Supports for Optical, Photographic, Scientific Apparatus—Namely, Tripods for Cameras, Telescopes. Class 26.

280,104. MYLIN. Registered Feb. 10, 1931. Mifflin Chemical Corporation. Renewed Feb. 10, 1951, to Mifflin Chemical Company, Philadelphia, Pa., a corporation of Pennsylvania. Uterine Sedative. Class 18.

280,527. "JAYHAWK" AND DRAWING LINED FOR YELLOW, RED AND BLUE. Registered Feb. 17, 1931. The M. B. Hamilton Mfg. Co., Leavenworth, Kans. Renewed Feb. 17, 1951, to The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois. Cotton or Woolen Gloves and Mittens. Class 39.

280,934. ELVERA. Registered Mar. 3, 1931. Schieffelin & Company, New York, N. Y., a corporation of New York. Renewed Mar. 3, 1951. Olive Oil. Class 46.

281,116. ORVETTA. Registered Mar. 10, 1931. Walter W. Moyer. Renewed Mar. 10, 1951, to Walter W. Moyer Company, Ephrata, Pa., a partnership. Men's, Women's and Children's Underwear. Class 39.

281,230. "CHECO" AND DESIGN. Registered Mar. 10, 1931. The Ohio Cheese Products Company. Renewed Mar. 10, 1951, to The Ohio Food Products Co., Xenia, Ohio, a corporation of Ohio. Candied Pickle Chips and Cheeselike Food Products Made Partly or Entirely of Whole Milk, Etc. Class 46.

281,562. "SYN-POR" ETC. Registered Mar. 24, 1931. O'Neil Duro Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 24, 1951. Paint Enamels in Dry, Paste, and Ready-Mixed Form, and Lacquers. Class 16.

282,183. AIR CELL. Registered Apr. 14, 1931. National Carbon Company, Inc. Renewed Apr. 14, 1951, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Electric Cells and Batteries. Class 21.

282,191. PIGNOSE. Registered Apr. 14, 1931. Kirkhill Rubber Co., Los Angeles, Calif., a corporation of California. Renewed Apr. 14, 1951. Rubber Washers for Faucets. Class 35.

282,483. "HENR. GAHN" ETC. AND REPRESENTATION OF SEAL. Registered Apr. 21, 1931. Frederick Mirsky, doing business as Swedish Imports & Exports Co., San Francisco, Calif. Renewed Apr. 21, 1951. Face Creams and Hand Creams. Class 51.

282,709. KAUXEME. Registered Apr. 28, 1931. Robert Bowran & Company, Limited, Newcastle-upon-Tyne, England. Renewed Apr. 28, 1951, to Robert Bowran & Company Limited, Pelaw, Gateshead, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Bituminous Compounds for Waterproofing and Caulking Purposes in Place of Marine Glues. Class 12.

282,867. "THE SAN FRANCISCO CALL BULLETIN" ETC. AND DESIGN. Registered May 5, 1931. The Call Publishing Company. Renewed May 5, 1951, to Hearst Publishing Company, Inc., San Francisco, Calif., a corporation of Delaware. Vignette or Masthead for a Daily Newspaper. Class 38.

283,088. "PEPSODENT ANTISEPTIC" ETC. AND REPRESENTATION OF CARTON. Registered May 19, 1931. The Pepsodent Co., Chicago, Ill. Renewed May 19, 1951, to Lever Brothers Company, New York, N. Y., a corporation of Maine. Antiseptics. Class 18.

283,107. COOK O METER. Registered May 19, 1931. Hanson Scale Company, Chicago, Ill., a corporation of Illinois. Renewed May 19, 1951. Kitchen Scales. Class 26.

283,119. STREAMLINE. Registered May 19, 1931. Mueller Brass Co., Port Huron, Mich., a corporation of Michigan. Renewed May 19, 1951. Rods, Sand Castings, and Forgings Which Are of Nonferrous Metal in the Rough and Semi-Finished. Class 14.

283,339. "CASH CONTROL SYSTEMS" WITHIN TRIANGLE. Registered May 26, 1931. General Register Corporation, Brooklyn, N. Y. Renewed May 26, 1951, to General Register Corporation, Long Island City, N. Y., a corporation of New York. Ticket-Issuing Machines, Ticket Printing and Issuing Machines, and Ticket-Punching Machines and Parts Thereof. Class 23.

283,340. .G R C. Registered May 26, 1931. General Register Corporation, Brooklyn, N. Y. Renewed May 26, 1951, to General Register Corporation, Long Island City, N. Y., a corporation of New York. Ticket-Issuing Machines, Ticket Printing and Issuing Machines, and Ticket-Punching Machines and Parts Thereof. Class 23.

283,363. EVEN-RITE. Registered May 26, 1931. Joseph Berg. Renewed May 26, 1951, to Joseph Berg Manufacturing Stationer Inc., New York, N. Y., a corporation of New York. Check Books, Account Books, and Ledgers. Class 37.

283,650. REPRESENTATION OF METAL SEAL DRY CELL LINED FOR BLUE AND RED. Registered June 2, 1931. National Carbon Company, Inc. Renewed June 2, 1951, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Electric Cells and Batteries. Class 21.

283,790. "RODO" ETC. WITHIN CIRCLE DESIGN. Registered June 9, 1931. R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York. Renewed June 9, 1951. Chemically-Prepared Deodorants, and Perfumes Used in the Manufacture of Rubber Products. Class 6.

283,851. ELIXIR FER-O-NATE. Registered June 9, 1931. Associated Physicians Laboratories Ltd., San Francisco, Calif. Renewed June 9, 1951, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. General Tonic. Class 18.

283,965. BUTTER KERNEL. Registered June 9, 1931. Minnesota Consolidated Canneries, Inc., Minneapolis, Minn., a corporation of Minnesota. Renewed June 9, 1951. Canned Corn. Class 46.

283,966. "BUTTER KERNEL" AND DRAWING. Registered June 9, 1931. Minnesota Consolidated Canneries, Inc., Minneapolis, Minn., a corporation of Minnesota. Renewed June 9, 1951. Canned Corn. Class 46.

284,089. "LIFEBUOY" ETC. AND REPRESENTATION OF CARTON LINED FOR YELLOW AND RED. Registered June 16, 1931. Lever Brothers Company, Cambridge, Mass. Renewed June 16, 1951, to Lever Brothers Company, New York, N. Y., a corporation of Maine. Soap. Class 52.

284,176. FLEX. Registered June 16, 1931. General Paint Corporation, San Francisco, Calif., a corporation of Nevada. Renewed June 16, 1951. Paint in Ready-Mixed Form, Varnish, Lacquer; Etc. Class 16.

284,285. DURITE. Registered June 23, 1931. United Conveyor Corporation, Chicago, Ill., a corporation of Illinois. Renewed June 23, 1951. Rough and Semi-finished Iron Alloy Castings. Class 14.

284,310. LUXILK BY LUXITE. Registered June 23, 1931. Luxite Silk Products Co. Renewed June 23, 1951, to Holeproof Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Underwear for Men and Women. Class 39.

284,359. "SOVEREIGN POCAHONTAS COMPANY" ETC. AND REPRESENTATION OF CROWN. Registered June 23, 1931. Sovereign Pocahontas Company, Bluefield, W. Va., and New York, N. Y. Renewed June 23, 1951, to Sovereign Pocahontas Company, Bluefield, W. Va., a corporation of West Virginia. Coal. Class 1.

284,361. DURAGAUGE. Registered June 23, 1931. Consolidated Ashcroft Hancock Company. Renewed June 23, 1951, to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey. Pressure Gages. Class 26.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

81,809. JOYNER'S MAST FED HAMS. Registered May 9, 1911. Renewed May 9, 1931. V. W. Joyner, Smithfield, Va. Ham. Class 46. The drawing is hereby amended to appear as follows:

JOYNER'S

439,730. WONDER BAR. Registered July 13, 1948. Midwest Dairy Products Corp., Du Quoin, Ill. Chocolate Coated Vanilla Ice Cream Bar. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the States of Ohio, Pennsylvania, and West Virginia, by order of the Commissioner dated Mar. 13, 1951, following decision on Concurrent Use Proceeding No. 30, *Isaly Dairy Company* v. *Midwest Dairy Products Corp.*

533,965. TAPECOAT. Registered Nov. 28, 1950. The Tapecoat Company, Evanston, Ill. Protective Coating—Namely, Cotton Fabric Tape of Various Widths, Etc. Class 12. Corrected as follows: In the statement, column 2, last line, "September 2, 1941" should be *April 28, 1942.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

537,089. 23. Registered Jan. 30, 1951. Keystone Varnish Company. Liquid Paint and Varnish Remover. Class 16. New certificate under section 7(c) issued Apr. 10, 1951, to Keystone Paint and Varnish Corporation, Brooklyn, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 270,983. Registered May 20, 1930. John Cavanagh, Ltd., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



The word "Hats" and the notation "Park Avenue at 47th Street New York" are disclaimed apart from the mark as shown.

For Hatboxes in the Nature of Luggage.

Claims use since about Dec. 1, 1928.

CLASS 5

ADHESIVES

Reg. No. 442,763. Registered May 31, 1949. E. Paillard & Cie., S. A., Sainte-Croix, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Republished by Paillard, S. A., Sainte-Croix, Switzerland, a corporation of Switzerland.

BOLEX

For Projectors for Still, Silent, and Sound Moving Pictures: Film Cement, Pasting-Presses, Boxes, Bobbins, Finders, Focussing Implements, Rewinders, Wire-Releasers, Lenses, and Filters.

Claims use since Jan. 1, 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 282,265. Registered Apr. 14, 1931. Cook Paint & Varnish Company, North Kansas City, Mo., a corporation of Delaware. Republished by registrant, present address Kansas City, Mo.



All the wording except "Cook's" and "Prymanide" is disclaimed apart from the mark as shown.

For Paints in Ready-Mixed Form.

Claims use since Oct. 29, 1930.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 280,315. Registered Feb. 10, 1931. Dr. Margaret Livingston Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Dr Margaret Livingston

For Liver and Bowel Stimulant Tablets, Medicated Hygienic Wash Tablets, a Tablet Containing Vegetable Matter and Iron and Entitled Veg-Iron Compound, Complexion Cream, Pile Ointment, a Medicinal Healing Ointment, a Tampon Built on a Suppository Core, Astringent Medicinal Herb Hemorrhagic Tablets, and Neutralizing Digestive Tablets.

Claims use since Mar. 1, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 280,022. Registered Feb. 10, 1931. G. & H. Barnett Company, Philadelphia, Pa. Republished by Nicholson File Company, Providence, R. I., a corporation of Rhode Island.



The drawing is lined for blue.

For Files and Rasps.

Claims use since Sept. 1, 1930.

Reg. 282,489. Registered Apr. 21, 1931. Nicholson File Company, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



The drawing is lined for orange.
For Files and Rasps.
Claims use since July 15, 1930.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 330,567. Registered Dec. 3, 1935. Don Baxter Inc., Glendale, Calif. Republished by Pancro Mirrors, Inc., Los Angeles, Calif., a corporation of California.

PANCRO

For Ophthalmic Mirrors, Stereoscopic Mirrors, Diffraction Gratings, Mirrors With Different Density of Reflecting Material for Motion Picture Trick Photography and Color Photography, Microscopic Mirrors, Projection Glass Reflectors, Projection Metal Reflectors, Brenegraph Mirrors, Prisms, Focal Plane Camera Mirrors, Head Mirrors, Diagonals, or Objective, Mirrors Used in Telescopes and Microscopes.
Claims use since June 16, 1934.

Reg. No. 442,763. Registered May 31, 1949. E. Paillard & Cie., S. A., Sainte-Croix, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Republished by Paillard, S. A., Sainte-Croix, Switzerland, a corporation of Switzerland.

BOLEX

For Projectors for Still, Silent and Sound Moving Pictures, Film Cement, Pasting-Presses, Boxes, Bobbins, Finders, Focusing Implements, Rewinders, Wire-Releasers, Lenses and Filters.
Claims use since Jan. 1, 1933.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 280,377. Registered Feb. 17, 1931. L. Bamberger & Co., Newark, N. J. Republished by Chalet Swiss Watch & Jewelry Company, New York, N. Y., a firm.

Chalet

For Watches.
Claims use since Sept. 9, 1930.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 80,071. Registered Nov. 1, 1910. Samuel M. Magid, Boston, Mass. Republished by Brier Manufacturing Company, Providence, Rhode Island, a corporation of Rhode Island.

LITTLE NEMO

For Collar-Buttons, Brooches, Cuff-Buttons, Rings, Chains, Hat-Pins, and Beauty-Pins.
Claims use since Apr. 1, 1908.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 276,119. Registered Oct. 7, 1930. The Fisk Rubber Company, Chicopee Falls, Mass. and Cudahy, Wis. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



For Solid Cushion, and Pneumatic Vehicle Tires, Including Parts Thereof, Such as Treads, Casings, and Inner Tubes Therefor; Tire Patches, Tube Patches, Portable Hand Tire and Tube Repair Outfits; Tire-Repair Plugs, Valve Pads, Rim Strips; Sectional Air Bags for Tire Repairing, all Made Wholly or Partly of Rubber.
Claims use since Mar. 10, 1930.

Reg. No. 276,397. Registered Oct. 21, 1930. The Federal Rubber Company, Chicago, Ill., Cudahy, Wis., and Chicopee Falls, Mass. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

FEDERAL

For Vehicle Tires, Inner Tubes, Tire and Tube Patches, Portable Tire and Tube Repair Kits, Valve Bases, Sectional Air Bags for Tire Repairing, and Tire Repair Plugs, all Made Wholly or Partly of Rubber.
Claims use since on or about Oct. 10, 1929.

Reg. No. 277,265. Registered Nov. 11, 1930. Laher Auto Spring Co., Inc., Oakland, Calif. Republished by Laher Spring & Tire Corporation, Oakland, Calif., a corporation of Oregon.

Lasco

For Brake Lining.
Claims use since February 1930.

CLASS 37

PAPER AND STATIONERY

Reg. No. 277,652. Registered Nov. 25, 1930. The Wahl Company, Chicago, Ill. Republished by Eversharp, Inc., Chicago, Ill., a corporation of Delaware.

Personal-Point

The word "Point" is disclaimed apart from the mark as shown.
For Fountain Pens.
Claims use since Feb. 20, 1929.

Reg. No. 380,443. Registered Aug. 20, 1940. Tested Papers of America, Inc., Chicago, Ill., a corporation of Ohio. Republished by registrant.

TESTEX

For Toilet Tissue, Wax Paper, Paper Napkins, and Paper Towels.
Claims use since Jan. 6, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 275,825. Registered Sept. 30, 1930. The Wood Construction Publishing Co., Xenia and Toledo, Ohio, a corporation of Ohio. Republished by registrant, present address, Xenia, Ohio.



For Periodical.
Claims use since 1914.

CLASS 39

CLOTHING

Reg. No. 277,091. Registered Nov. 4, 1930. Sherman Manufacturing Co., Orange, N. J. Republished by Sherman Manufacturing Co., Orange, N. J., a corporation of New Jersey.



The words "Frocks," "Trade Mark" and "Better Value" are disclaimed apart from the mark as shown.
For House Dresses for Women, and Aprons.
Claims use since Aug. 1, 1927.

Reg. No. 340,510. Registered Nov. 10, 1936. Fay-Miss Brassiere Co., Inc., New York, N. Y. Republished by Bali Brassiere Co., Inc., New York, N. Y., a corporation of New York.

BALI TOPPER

For Brassières and Bandeaux.
Claims use since Mar. 27, 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 281,725. Registered Mar. 24, 1931. Philadelphia Dairy Products Company, Inc., Philadelphia, Pa. Republished by Philadelphia Dairy Products Company, Inc. (1936), Philadelphia, Pa., a corporation of Pennsylvania.

DOLLY MADISON

For Ice Cream.
Claims use since Nov. 28, 1930.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 280,315. Registered Feb. 10, 1931. Dr. Margaret Livingston Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

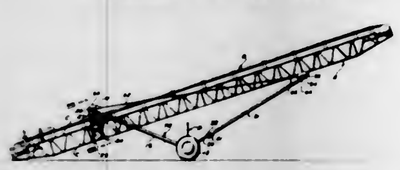
Dr Margaret Livingston

For Liver and Bowel Stimulant Tablets, Medicated Hygienic Wash Tablets, a Tablet Containing Vegetable Matter and Iron and Entitled Veg-Iron Compound, Complexion Cream, Pile Ointment, a Medicinal Healing Ointment, a Tampon Built on a Suppository Core, Astringent Medicinal Herb Hemorrhagic Tablets, and Neutralizing Digestive Tablets.
Claims use since Mar. 1, 1930.

23,353
CONVEYER SUPPORT AND TRANSPORT TRUCK

Ralph W. Heer, Minneapolis, Minn., assignor to Pioneer Engineering Works, Inc., Minneapolis, Minn., a corporation of Delaware

Original No. 2,501,332, dated March 21, 1950, Serial No. 661,650, April 12, 1946. Application for reissue August 10, 1950, Serial No. 178,731
14 Claims. (Cl. 198—233)



7. In a conveyor supporting and transporting truck of the character described, a wheel borne axle, a first pair of arms connected at one end to the axle and extending therefrom in one direction to a point below the conveyor and there having a cross member for upwardly engaging the conveyor, a second pair of arms also connected at one end to the axle and extending therefrom in a direction opposite the first pair of arms and terminating above the conveyor, a cradle device having means for supporting the conveyor and upwardly turned side portions suspended from the ends of the second pair of arms, [cables] *tie members* connecting [the ends of] the arms of each pair, means for adjusting the length of one of said pairs of arms and raising and lowering the conveyor, and a cross member connected to the cradle device and adapted to downwardly engage the conveyor to hold it down upon said supporting means.

23,354
JAR

Lynn W. Storm, Houston, Tex.

Original No. 2,499,695, March 7, 1950, Serial No. 735,398, March 18, 1947. Application for reissue April 24, 1950, Serial No. 157,785
3 Claims. (Cl. 255—27)

4. A well tool comprising inner and outer concentrically arranged tubular parts movable longitudinally relative to each other, means for connecting one of said parts to an operating string, means for connecting the other of said parts to an object stuck in a well bore, said parts forming a closed fluid chamber, said inner part extending completely through the closed chamber, a piston on the inner part, sealing means on the outer part at each end of said chamber through which said inner part extends, said outer part having three adjacent sections of unequal internal diameter extending longitudinally of the chamber, wherein the central section is of lesser internal diameter than the two outer sections and forms a cylinder through which said piston is adapted to move in either direction upon relative longitudinal movement of said inner and outer parts, the annulus of the piston being slightly smaller than said internal cylinder diameter to permit of fluid flow from one side of said piston to the other side thereof as the piston moves through the cylinder, the internal diameters of said sealing means being substantially the same to provide uniform chamber volume regardless of the relative positions of said inner and outer parts, and



coacting impact faces on the inner and outer parts arranged to contact when the parts reach the limit of their movement relative to each other in either direction.

23,355
MOLD COMPOSITION

Burgess P. Wallace, Brooklyn, N. Y., assignor to Whitehead Brothers Company, New York, N. Y., a corporation of New Jersey

No Drawing. Original No. 2,469,907, dated May 10, 1949, Serial No. 692,377, August 22, 1946. Application for reissue January 30, 1950, Serial No. 141,359
3 Claims. (Cl. 22—188)

1. An unbaked green mold for casting difficultly oxidizable metals, consisting essentially of grains of highly refractory carbon of *a* pre-selected grain [sizes] *fineness number* and between about 50 and 250 on *the* scale set forth in the Foundry Sand Grading Classification *in the Foundry Sand Testing Handbook, Fifth edition (1944)*, of the American Foundrymen's Association, and containing a minor proportion, but at least about 5%, of bentonite intimately incorporated therewith and also between about 2% and 8% of an organic gummy adhesive [belonging to] *selected from* the group consisting of dextrine and gum arabic, said mold having excellent "green bond" strength whereby the same is rendered capable of resisting disintegration or fracture during the formation thereof and especially during the removal of a pattern therefrom as well as during the initial pouring of the mold, and also having excellent "hot strength," whereby the same is rendered capable of resisting the erosive action of the molten metal and of preserving designs on the mold surfaces substantially unimpaired; and said mold being essentially sand-free, at least to a depth of about one-quarter inch below the inner surface thereof.

PATENTS

GRANTED APRIL 10, 1951

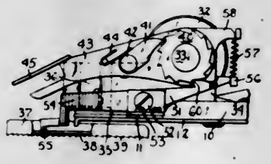
2,547,919
PROCESS FOR IMPROVING THE TONE QUALITY AND RESONANCE OF STRING INSTRUMENTS
Amedeus Dalmas, Oakland, Calif.
No Drawing. Application November 10, 1947, Serial No. 785,196
3 Claims. (Cl. 144—309)

1. The method of improving the tone quality of string instruments having a wood body and bridge consisting in finishing the respective parts of the body and the bridge to final size and shape, boiling the parts in water until soft and pliable, and placing the parts between porous forms conforming to the sizes and shapes of the respective parts, and exerting and maintaining a constant pressure while applying heat at a temperature below the boiling point of water until the respective parts are thoroughly dry.

2,547,920
FUSION OF VANILLIN
Fred Fortess and Blanche B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application June 29, 1949, Serial No. 102,160
1 Claim. (Cl. 260—521)

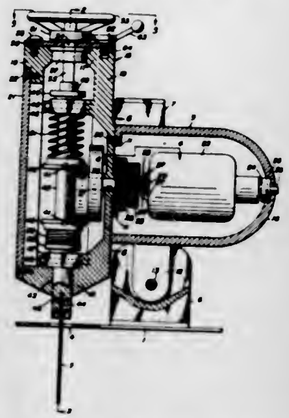
A process which comprises forming a melt of 80 parts by weight of sodium hydroxide and 50 parts by weight of water, adding 50 parts by weight of vanillin to said melt while maintaining said melt at a temperature below 81° C., and raising the temperature of said melt to 205 to 240° C. for 90 minutes.

2,547,921
CLOTH-HOLDING DEVICE FOR BUTTONHOLE ATTACHMENTS
Carl G. Baehr, West Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 13, 1949, Serial No. 132,735
7 Claims. (Cl. 112—77)



6. In a sewing-machine attachment a frame, a ratchet wheel rotatably mounted thereon, a fork arm pivoted on the frame and engaged with said ratchet wheel to effect step-by-step rotation of the latter upon oscillation of the fork arm, a lever pivoted to the frame intermediate its ends and having a downwardly-extending cloth-engaging foot forwardly of its pivot, said lever having a portion rearwardly of its pivot disposed adjacent to and in the plane of said ratchet wheel and adapted to be engaged thereby to effect movement of the lever in one direction upon rotation of the ratchet wheel, and spring means connected to the lever to urge it in the opposite direction.

2,547,922
PORTABLE MOTOR OPERATED HAND SCROLL SAW
Joseph L. Bechtold, Roseburg, Oreg.
Application January 30, 1948, Serial No. 5,279
3 Claims. (Cl. 143—68)



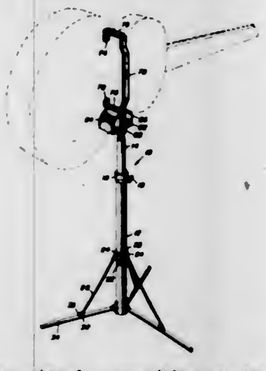
1. In a saw of the class described, a motor casing having a motor therein, a hollow head fast on said casing, a reciprocating and rotatable plunger shaft in said head having one end adapted to extend out of the head, a saw blade fixed to said end of said shaft in longitudinal alignment therewith, a drive between said motor and shaft for reciprocating said shaft, a shoe plate for sliding movement over the work, means to mount said casing on said plate for tilting of the same together with said head, shaft and blade laterally of the line of movement of said plate, and means to rotate said shaft into different set angular positions to correspondingly set said blade in different oblique positions relative to the line of movement of the plate.

2,547,923
INTERCHANGEABLE TEMPLE FOR EYEGLASS FRAMES
William A. Brown, Lincoln, Maine
Application January 18, 1949, Serial No. 71,509
1 Claim. (Cl. 88—53)



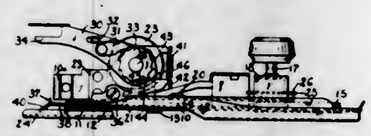
In eyeglasses, a frame piece having bent end portions, each bent end portion having an opening therein and a shoulder disposed forwardly of said opening, each of said bent end portions having recesses about the opening and on the opposite sides thereof, a pair of temple pieces having bifurcated circular attaching portions snugly seated in the recesses on the opposite sides of the opening and having shoulders disposed rearwardly of the circular portions, one of the shoulders on said temple piece adapted to abut an associated shoulder on the bent portions of the frame piece, the shoulders being disposed symmetrically on said temple pieces so that the pair of temple pieces are interchangeable, one of said attaching portions being threaded internally, there being a cutout in the other of said attaching portions, a pivot pin extending through the attaching portions of the temple piece and the opening in the bent end of the frame piece to secure the pieces together, said pivot pin having an enlarged head on one end thereof seated in said cutout, and its other end arranged in threaded engagement with the internally threaded attaching portion.

2,547,924
GUITAR STAND
Alphonse P. Citro, Summit Hill, Pa.
Application May 2, 1949, Serial No. 90,837
6 Claims. (Cl. 84—327)



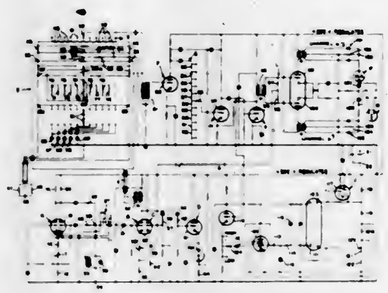
1. A guitar stand comprising a standard, a head swivelly mounted thereon, a clamp for engaging the indentation in one side of a guitar for supporting the same upon said head, said head having a convex upper surface for engaging the indentation of the other side of a guitar and said clamp being movable about said surface to support the guitar at varying inclinations.

2,547,925
CLOTH-HOLDING DEVICE FOR BUTTONHOLE ATTACHMENTS
John Connors, Hamden, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application September 23, 1949, Serial No. 117,437
7 Claims. (Cl. 112—77)



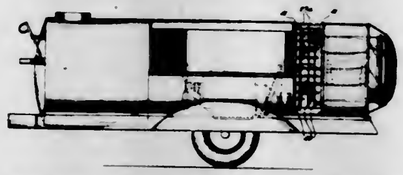
6. A buttonhole attachment for sewing machines comprising a frame, a feed blade pivoted on the frame and having a cloth-feeding foot mounted at the forward end thereof, said foot being provided with an elongated slot, means to actuate said blade comprising a cam wheel rotatably mounted on the frame and positioned substantially centrally between the side edges thereof, a fork arm pivoted upon the axis of said cam wheel and adapted to actuate the same in a step-by-step movement, a lever pivoted to the frame at a point intermediate its ends and at one side of said cam wheel, said lever having a portion rearwardly of its pivot lying substantially in the plane of the fork arm and a portion forwardly of its pivot extending inwardly to lie within said slot in the feeding foot, cam means on said fork arm arranged to engage and disengage the rear portion of said lever during oscillation of the fork arm to raise the forward end of said lever and then release the same, and spring means connected to the frame and to said lever to urge the forward end of the lever downwardly, the upper edge of the rear portion of said lever adjacent the fork arm being of arcuate shape and the center of said arc being substantially that of the pivot of the fork arm.

2,547,926
ELECTRONIC STRAIN MEASURING SYSTEM
George W. Cook, Washington, D. C.
Application December 27, 1946, Serial No. 718,731
11 Claims. (Cl. 73—88.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



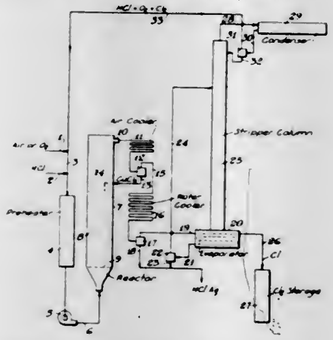
1. In an electric measuring system, a Wheatstone bridge including four arms, a pair of input terminals and a pair of output terminals, at least one of the bridge arms including a variable impedance element, a source of carrier frequency voltage connected to the input terminals of the bridge so that any bridge unbalance will give rise to a bridge output voltage wave of said carrier frequency and of a magnitude and phase depending on the degree and sense of unbalance of the bridge, a mixer energized by said carrier frequency voltage and by oppositely polarized voltages derived from said bridge output voltage wave when said bridge is unbalanced, said mixer having dual outputs and being adapted to supply dual carrier frequency voltage waves differentially modulated by said oppositely polarized voltages, dual full-wave rectifier means separately demodulating the modulated outputs of said mixer, a pair of load resistors for separately dissipating the outputs of said demodulating means, and a galvanometer connected to said load resistors so as to measure any differential current flowing in said load resistors.

2,547,927
SPRAYING MACHINE
George W. Daugherty, Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application June 20, 1946, Serial No. 678,092
2 Claims. (Cl. 261—29)



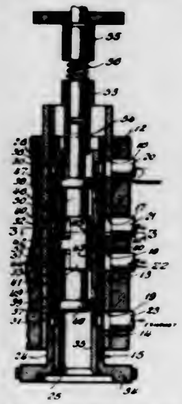
1. In a spraying machine of the class described, an air tunnel, means for developing a blast of air through said tunnel, air guide means at the end of said tunnel for deflecting the blast of air radially of the axis of said tunnel, a series of spray distributing pipes spaced about the air-guide means and parallel with the axis of the tunnel, spray nozzles spaced along said pipes, threaded means at the end of each pipe for securing and clamping said pipe in angularly adjusted position whereby to control the direction of spray material issuing from said nozzles into said air blast, and means for feeding spray material to said pipes and therefore to said nozzles, said spray feeding means forcing said material from said nozzles under sufficient pressure so that said spray moves as directed by said nozzles into said blast of air prior to flowing with said blast of air.

2,547,928
PROCESS FOR MANUFACTURE OF CHLORINE BY OXIDATION OF HYDROGEN CHLORIDE
Clyde W. Davis and Forrest A. Ehlers, Antioch, and Roger G. Ellis, Walnut Creek, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application February 13, 1947, Serial No. 728,280
5 Claims. (Cl. 23—219)



1. A process of producing chlorine which comprises forming a gaseous mixture of hydrogen chloride and oxygen-containing gas, preheating the same, passing the preheated mixture upwardly through a particulate body of a contact mass at a temperature between 300° and 600° C. and with a gas velocity sufficient to fluidize the body, said contact mass consisting of granular particles of a porous inert carrier on which is deposited a Deacon process catalyst composed of a metal compound slowly vaporizable at the reaction temperature, cooling the exit gases from the reaction zone to condense a portion of the water vapor therein and thereby absorb accompanying vapors of the metal compound, forming a hydrochloric acid solution of the compound, introducing such solution into the fluidized body of the contact mass to maintain the concentration of the metal compound therein, and separating chlorine from the residual gases and vapors from said partial condensation step.

2,547,929
FLUID-CONTROL VALVE
Edward Dawson, New York, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application May 17, 1943, Serial No. 487,395. Divided and this application July 24, 1947, Serial No. 763,308
12 Claims. (Cl. 251—165)



1. A balanced fluid control valve comprising a body having an axially extending bore, inlet and exhaust passages and two intermediate passages therein communicating through ports with said bore, a sleeve rotatably mounted within said bore, and valve means rotatably disposed within said sleeve for controlling the flow of fluid between said passages, said sleeve being provided with encircling, exterior grooves adapted to register with the ports of said intermediate passages and passages connecting therewith and terminating in ports communicating with the interior of said sleeve, said valve means including a land disposed intermediate the ports of said intermediate passages for preventing communication therebetween through the interior of said sleeve, and said last-mentioned passages forming means for passing fluid axially of said sleeve from one side of said land to the other.

2,547,930
SLED
Francis J. Dedrick, Corning, N. Y.
Application November 22, 1947, Serial No. 787,574
8 Claims. (Cl. 280—12)



1. In a sled, a top bordering portion of circular cross section, a transverse member associated with said portion, a sleeve surrounding and turnable about said bordering portion and having

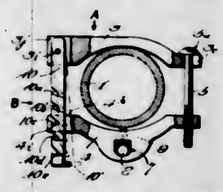
surfaces engageable with said member for limiting the amount of possible turning movement thereof, and a runner fixed to said sleeve occupying a sled supporting position when the sleeve is turned to one extreme position and occupying a non-supporting position when turned in the reverse direction.

2,547,931
COMBINATION COLLAR AND HOOD
Joseph De Grazia, Washington, D. C.
Application July 23, 1948, Serial No. 40,415
7 Claims. (Cl. 2—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



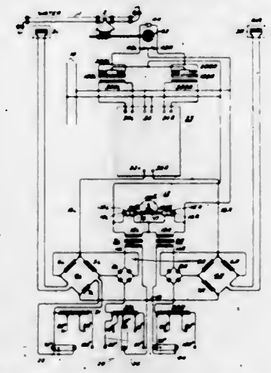
6. In combination, a garment, a combined collar and hood comprising outer and inner arcuate strips, a line of stitching connecting the outer strip to the neck portion of the garment, a normally folded strip of material having arcuate edges secured to the adjacent arcuate edges of said outer and inner arcuate strips, and means for releasably connecting the ends of the outer and inner strips when the collar is in folded condition and when it is erected into hood form.

2,547,932
GROUND CLAMP FOR ELECTRICAL CIRCUITS
Alfred B. Downs, Jr., Columbus, Miss.
Application November 8, 1946, Serial No. 708,539
8 Claims. (Cl. 173—278)



8. An electrical connector for establishing connection with a pair of electrical conductors comprising a pair of electrically conductive arms operative to surround one of said conductors with one of said arms apertured to receive the other of said conductors, means extending slidably through substantially the central portion of said last mentioned arm and displaceable under pressure exerted by the binding relation of said arms with said first mentioned conductor for gripping said second mentioned conductor in said last mentioned arm, said means comprising a pin having a frusto-conical penetrating portion on one end and a bifurcated portion on the other end and confined for limited movement in said last mentioned arm, adjustable means interconnecting adjacent ends of said arms, and a toothed rack pivotally connected with the opposite end of one of said arms and adjustably engageable with the opposite adjacent end of the other of said arms.

2,547,933
AUTOMATIC TEMPERATURE CONTROL SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 12, 1946, Serial No. 715,855
7 Claims. (Cl. 236—91)

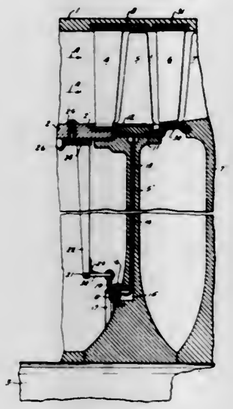


1. Apparatus for controlling the supply of a fluid heating medium in a conduit, comprising: a valve for variably admitting the fluid to the conduit, electrical means for variably adjusting said valve, a first thermal resistance element responsive to the temperature at one location, a second thermal resistance element responsive to the temperature at another location, a first electrical bridge including said first resistance element, a second electrical bridge including said second resistance element, means for separately energizing each of said bridges across one conjugate arm of each with electric energy, said energizing means comprising means for adjusting the value of the electric energy supplied to each bridge, means connected to said energy adjusting means for concurrently increasing the energization of one of said bridges and decreasing the energization of the other of said bridges, means connecting the opposite conjugate arms of said bridges so that the out-of-balance voltages derived therefrom are in opposition, and magnetic amplifier means energized in accordance with the difference between said voltages, for actuating said electrical valve adjusting means.

2,547,934
INDUCTION HEATER FOR AXIAL FLOW AIR COMPRESSORS
Peter L. Gill, Osborn, Ohio
Application June 9, 1948, Serial No. 31,973
8 Claims. (Cl. 230—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an axial flow air compressor for association with a turbojet aircraft engine, a row of stator blades forming inlet guide vanes for said compressor and each being made of a magnetically permeable material, a first rotor element having a row of rotor blades made of a magnetically permeable material adjacent to said row of stator blades and movable relative thereto at

a rapid rate of speed during operation of said compressor, means for producing a magnetic flux in said rotor blades, and means comprising linking bars of magnetically permeable material



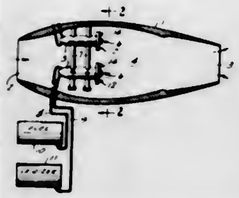
rigidly connected to said stator blades at the outer ends thereof and extending into close proximity to the outer ends of said rotor blades to complete magnetic circuits including said rotor blades, said linking bars and said stator blades.

2,547,935
TRANSPORTATION MECHANISM
Philip Grabinski, Tacoma, Wash., assignor of one-half to Robert W. Pointer, Portland, Oreg.
Application May 12, 1944, Serial No. 535,276
28 Claims. (Cl. 105—155)



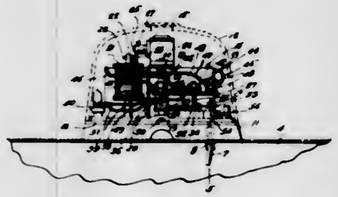
1. In an aerial device for transporting heavy materials, a stationary supporting cableway; supporting sheave means mounted for movement on said supporting cableway; frame means suspendedly supported from said sheave means; a power unit carried by said frame means; two spaced driven traction sheaves positioned on each side of said frame means and connected with said power unit; spaced guide sheave means positioned on each side of said frame means above said traction sheaves; and two spaced stationary traction cables, each reeved over a guide sheave, thence downwardly and about a driven sheave for less than a complete turn, thence toward and over and about the second driven sheave for less than a complete turn, and thence upwardly and over a guide sheave, whereby maximum traction engagement between the driven sheaves and the traction cable obtains with minimum wear on the cable and the traction cable provides lateral stability to the device.

2,547,936
DUCTED ROCKET PROPULSION MEANS FOR AIRCRAFT
Harlow B. Grow, New Carlisle, Ohio
Application November 17, 1944, Serial No. 563,976
2 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a combined thermal air jet propulsion and pure jet propulsion engine, a thermal air jet propulsion device comprising a ram jet body having inlet and outlet ports in communication with an enlarged intermediate air compression and heating chamber, a pure jet propulsion motor device located within the enlarged air compression and heating chamber, having a pure jet discharge opening therein located substantially midway between the aforesaid ports and facing said outlet port, and a plurality of supplemental burners surrounding said pure jet opening for supplying supplemental heat to the air within the enlarged heating chamber of the body surrounding the pure jet discharge from the pure jet propulsion device.

2,547,937
TRAFFIC COUNTER
Glen R. Hall, Uhrichsville, Ohio
Application June 5, 1946, Serial No. 674,487
9 Claims. (Cl. 235—92)

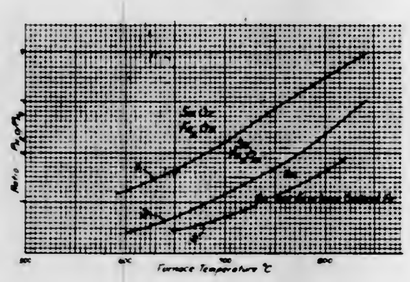


5. In a traffic counter, a base formed with a socket open at its top and with an air passage having its inner end communicating with the socket, means for connecting an air hose with the outer end of said air passage, a counting unit, electrically actuated operating means for said counting unit including a circut having an upper contact and a flexible movable contact disposed horizontally under the upper contact in spaced relation thereto with a free end portion disposed over the socket, a block at the upper end of said socket formed with a vertical bore and with a seat about the upper end thereof, and a ball normally resting upon said seat and disposed under the movable contact with the free end portion of the movable contact over the ball, the ball being freely shiftable upwardly off of the seat by air forced upwardly through the bore by action of a vehicle wheel passing across the hose and when moved upwardly momentarily holding the movable contact by direct engagement therewith in engagement with the upper contact and allowing escape of air from the bore around the ball.

2,547,938
MANUFACTURE OF ALKYL BENZENE PEROXIDES
Reginald Harold Hall, Sutton, and Denis Cheselden Quin, Epsom, England, assignors, by mesne assignments, to Hercules Powder Company, a corporation of Delaware
No Drawing. Application April 1, 1947, Serial No. 738,726. In Great Britain April 8, 1946
14 Claims. (Cl. 260—610)

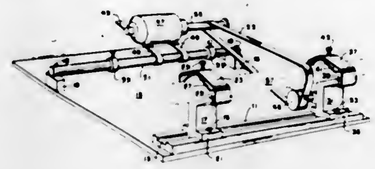
1. A process for the production of peroxides of alkyl benzenes which comprises oxidising an alkyl benzene hydrocarbon, containing an alkyl substituent having a tertiary carbon atom in the alpha-position to the benzene ring, in dispersion in a liquid aqueous continuous phase at a pH of about 7 to 11 by the action of molecular oxygen under superatmospheric pressure in intimate contact therewith at an elevated temperature.

2,547,939
EXTRACTION OF TIN FROM ORES AND CONCENTRATES
Carle R. Hayward, Quincy, and Livingston Wright, Marshfield Hills, Mass., assignors to New Enterprises, Inc., Boston, Mass., a corporation of Massachusetts
Application November 28, 1947, Serial No. 788,406
4 Claims. (Cl. 75—85)



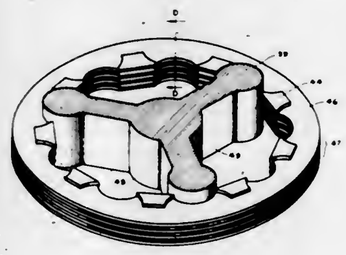
1. A method for extracting tin from ore containing tin oxide and iron oxide which includes the steps of reducing tin oxide of the ore to tin that is substantially uncontaminated by metallic iron so as to obviate the necessity for any subsequent smelting step, said reducing step comprising heating the ore to a temperature above 650° C. and below about 845° C. in a reducing zone while supplying to said zone a gaseous reducing medium, said reducing medium containing hydrogen and an amount of water vapor such as to maintain in said zone at substantially all times during said reduction step a partial pressure of water vapor the ratio of which to the partial pressure of hydrogen in said zone at the temperature thereof lies between curves 1 and 2 of the graph of Fig. 2 of the annexed drawing, i. e., between 0.49 at 650° C. on curve 2 and 4.0 at 845° C. on curve 1, in which range of ratios said water vapor is effective to prevent substantial reduction of iron oxides present in the reduction mass to iron without substantially inhibiting the reduction of tin oxide of the ore to tin, and recovering tin from the reduction mass.

2,547,940
SHAFT TESTING MACHINE
Theodore Hearn, Brooklyn, N. Y.
Application June 25, 1947, Serial No. 757,041
3 Claims. (Cl. 73—432)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



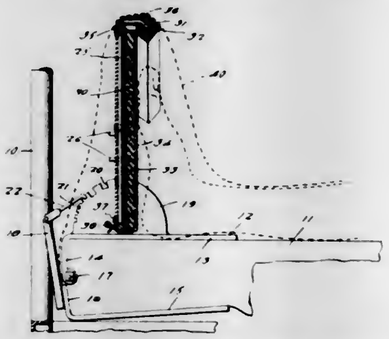
1. A testing machine comprising a slide block mounted on a plate, a plurality of V-blocks engaged slidably on said slide block, said V-blocks each including means to secure said V-blocks on said slide block in spaced relation and a C-clamp bridging arm flanges thereof, said C-clamp carrying an arcuate spring-plate on its nether face adapted to abut a shaft positioned on the V-channels of said V-blocks, an idler pulley mounted on the leg of at least one of said V-blocks, a motor mounted on said plate, and an endless belt driven by said motor and driving said shaft and said pulley.

2,547,941
METAL-EDGE FILTER STACK WASHER
Paul Heftler, Chicago, Ill.
Application February 1, 1946, Serial No. 644,952
10 Claims. (Cl. 210—169)



1. A washer for a metal-edge filter stack, the washer being a round ring of thin sheet metal with tongues attached to its inner edge and bent to form spacers, the spacers being all a distance in from the outer edge of the ring so that the washer can be turned around and around without stopping past scrapers touching both sides of the ring, the shape of the washer being such that, if the tongues were unbent, the inner edge of the washer would be formed entirely by a series of concave circular arcs of short radius and large angle and a series of concave concentric circular arcs of long radius and small angle, the short-radius arcs forming the sides of the tongues and the inner edge of the washer between the tongues, and the long-radius arcs joining the ends of successive short-radius arcs and forming the ends of the tongues, so that the finished washer can be made by punching and blanking sheet metal with nothing but circular punches and dies and by bending.

2,547,942
BEDCOVER-SUPPORTING MEANS
Lewis L. Hinton, Houston, Tex.
Application March 12, 1948, Serial No. 14,452
5 Claims. (Cl. 5—319)



1. In a bedcover-supporting means, including a bedcover-supporting frame, the improvement comprising a pair of laterally-spaced clamps each adapted to clamp a mattress therebetween adjacent the side edges thereof, each clamp being U-shaped and comprising a pair of L-shaped upper and lower clamp members, each comprising a leg and a foot, horizontally-disposed pivot means pivotally connecting said feet together in toe-to-toe relation, a rigid extension of the lower foot extending upwardly behind the upper foot to limit pivotal movement of said members in an unclamping direction, a quadrant carried by the leg of said upper member and extending upwardly thereof, said quadrant including peripheral series of major and minor latch teeth, a latch dog carried by said extension and engageable with said minor latch teeth to lock said clamp members in clamping relation to a mattress, means pivotally connecting said frame to each quadrant, and latches carried by said frame and engageable with said major latch teeth to lock said frame in a selected angularly-disposed relation to said mattress.

2,547,943
MANUALLY MANIPULABLE TOY IN THE NATURE OF AN ANIMATED, CLIMBING FIGURE
James J. Huntsberry, Kansas City, Mo.
Application February 9, 1948, Serial No. 7,139
1 Claim. (Cl. 46—130)

A toy of the kind and character described comprising an actuator having a perforated lateral projection at one end thereof; a second actuator slidably journalled in the perforation of said lateral projection on the first actuator for rectilinear movement therethrough; a body having a pair of swingable leg members pivoted to the other end of said first actuator and a pair of swingable arm members pivoted to the proximal end of the second actuator, said body interconnecting the said pair of leg members and said pair of arm members, said leg and arm members respectively being pivotally joined to the said body and the body being between the said leg and arm members, the said leg members having their pivotal connection to the said actuator to one side of the pivotal connection between the said arm members and the said second actuator, whereby upon sliding movement of the second actuator in one direction through the said bearing formed by the lateral projection on the first actuator, the ends of the leg members at the pivotal connection thereof with the first actuator engage the arm members to move the latter around the end of said second actuator from one side to the other, the said second actuator being of a length slightly greater than the combined length of the said first actuator and fully-extended figure, whereby further rectilinear movement of the first actuator extends the arm members, leg members and body of the figure to a position in substantial alignment with and beyond the end of the first actuator.

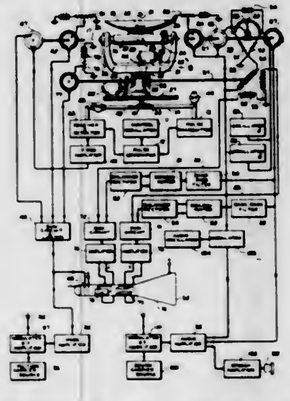


2,547,944
CYCLIC POLYMERIC ORGANO SILICATES AND METHOD FOR PREPARING SAME
Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 19, 1945, Serial No. 636,051
8 Claims. (Cl. 260—448.8)

1. In a process for producing organo-silicon compounds the step comprising hydrolyzing with water at about the temperature of ice melting in the reaction mixture an organo-silicon halide having the formula $(A)_mSiX_{(4-m)}$ where A is selected from the group consisting of hydrocarbon and oxyhydrocarbon groups containing up to 10 carbon atoms, m is an integer from 1 to 3 inclusive, and X is a halogen atom selected from the group consisting of chlorine and fluorine, in the presence of at least one mol of tertiary amine per mol of halide group, the amount of water being not less than one-half mol for each mol of halogen originally present in the organosilicon halide.

2,547,945
SYSTEM FOR CONVEYING TRAFFIC DATA TO AIRCRAFT
Frederic A. Jenks, Rockville Centre, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 29, 1944, Serial No. 520,177
16 Claims. (Cl. 343—6)

1. A radio navigation system comprising object detecting and locating means, including means for scanning a plurality of mobile craft with a radiant beam to determine positional data thereof with respect to a reference position, means associated with said object detecting means for transmitting into space said positional data, means carried by at least one of said craft for receiving and reproducing said positional data, and means on said one of said craft for particularly characterizing the positional data of said one of said craft.



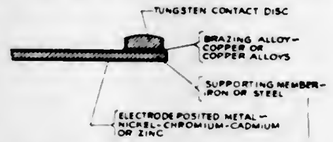
2,547,946
INSIDE FORM FOR CASTING ELONGATED HOLLOW CONCRETE STRUCTURES
John D. Jessen, O'Hara Township, Allegheny County, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 22, 1944, Serial No. 569,321
8 Claims. (Cl. 25—131.6)



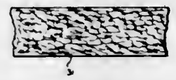
1. An inside form for making elongated hollow concrete structures comprising a contractible hollow cylinder, wheel-mounting levers hinged on the interior of said cylinder and spaced therealong substantially parallel thereto, wheels journaled on said levers, holes in the wall of said cylinder adjacent said wheels adapted to admit the wheels therethrough, at least partially, for engagement with the interior of the surrounding concrete structure when the latter has been cast to support the cylinder thereon when contracted, for axial travel from a position within the structure, removable cover sections adapted to be disposed over said holes when said wheels are retracted, and means for actuating said levers to move said wheels from a position within the cylinder to a position in which they extend at least partly through said holes.

2,547,947
CONTACT ASSEMBLY
John D. Kleis, Lake Forest, and Gilbert Halverson, Libertyville, Ill., assignors to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application June 17, 1946, Serial No. 677,204
5 Claims. (Cl. 200—166)

1. An electrical ignition system contact assembly resistant to the action of warm, humid atmospheres comprising an iron supporting member, a tungsten contact element brazed to the supporting member and an electrodeposited coating of a metal selected from the group consisting of nickel, cadmium, zinc and chromium covering the supporting member, the brazed junction and the edge portions of the contact element adjacent the junction.



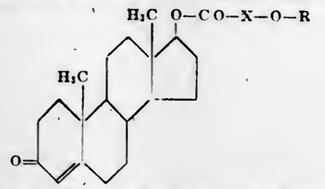
2,547,948
PROCESS FOR FORMING MAGNETIC RECORD MEMBERS FROM A PAPERMAKING FIBER SLURRY
Otto Kornei, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1947, Serial No. 762,463
3 Claims. (Cl. 92—21)



1. In a method of preparing a magnetic record member for transducing signals by magnetic flux interlinkage of successive portions with a magnetic record transducing head, the steps comprising: mixing powdered permanently magnetizable iron oxide having a particle size of about one micron with a slurry of paper making fibers containing a bonding agent in the proportion of from 8 to 25 percent iron oxide by volume of the total solids; forming a paper about two to three mils thick from the resulting mixture; and calendering the paper so formed.

2,547,949
LOWER ALKOXYALKANOATES OF HYDROXYLATED HORMONES AND PROCESS OF PRODUCING SAME
Elmer J. Lawson, East Greenbush, Chester J. Cavallito, Ravena, and Aram Mooradian, Troy, N. Y., assignors to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1947, Serial No. 773,944
19 Claims. (Cl. 260—397.4)

1. A testosterone ester having the formula

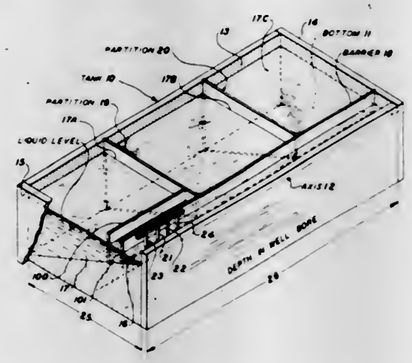


where R is a lower alkyl radical and X is a lower alkylene radical.

2,547,950
ELECTRICAL ANALOGUE
Burton D. Lee and Gerhard Herzog, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 14, 1949, Serial No. 93,388
7 Claims. (Cl. 235—61)

4. In a potentiometric model of a well, the combination which comprises an elongated trough of

wedge-shaped cross section provided with a longitudinal impervious barrier which divides the trough into two longitudinally extending compartments, at least one additional impervious barrier disposed transverse to the first and subdividing one compartment into a plurality of com-

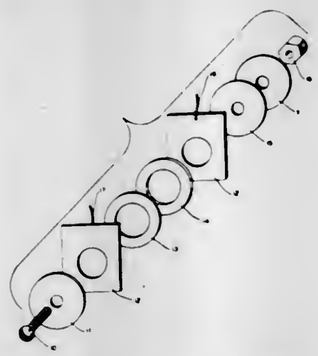


partments, means for transmitting electrical current across the barriers at a plurality of points along them but incapable of transmitting current lengthwise of the barriers, said means including pools of electrolyte respectively disposed in the compartments.

2,547,951
RECTIFIER

Irvin Levin, Baltimore, Md.

Original application February 8, 1945, Serial No. 576,864, now Patent No. 2,469,393, dated May 10, 1949. Divided and this application January 14, 1946, Serial No. 641,158
5 Claims. (Cl. 175—368)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

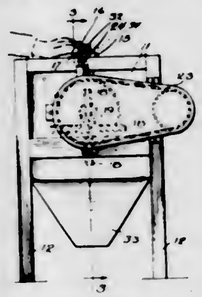


1. A rectifier of the class described comprising in combination, an input electrode, an electrode element having one face engaging said input electrode and having an oxide layer on the opposite face thereof, a second electrode element of magnesium having one face heat bonded to said oxide layer, an output electrode engaging the opposite face of said second electrode element, and means for holding said electrodes and elements in said engaged relation.

2,547,952
MACHINE FOR REMOVING DUST FROM FABRICS

Harold L. Light, United States Army, Lewistown, Pa.

Application May 26, 1945, Serial No. 596,070
2 Claims. (Cl. 15—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

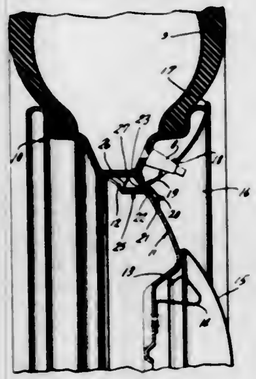


1. A machine for removing dust from a fabric, comprising a box, a movable lid being provided with a narrow elongated slot for the insertion of said fabric into said box, means rotatably mounted in said box for beating said fabric, an electric motor for rotating said beating means, a narrow elongated bar hinged to said lid adjacent said slot, said bar being at least as long as said slot for completely covering said slot to prevent escape of dust and for clamping said fabric in position for dust removal, a lateral extension on said bar, and a switch electrically connected with said motor, said switch being positioned in the line of travel of said extension; whereby said extension is swingable into operative engagement with said switch synchronously with the downward travel of said bar and said motor is automatically started when said bar is lowered into fabric-clamping position, and whereby said switch is released and said motor is automatically stopped when said bar is raised into fabric-releasing position.

2,547,953
WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Application March 18, 1946, Serial No. 655,118
9 Claims. (Cl. 301—37)



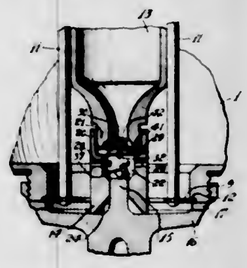
1. In a cover structure for a wheel including a multi-flanged tire rim part having axial wheel

openings, a cover for disposition opposite side flanges of said rim part, comprising an annulus having a turned inner radially disposed margin opposite said wheel openings and retaining means for engagement with the wheel parts in said openings including an element having means fastened to said margin and projecting into a wheel opening for retaining cooperation with one of said wheel parts, said retaining means including a portion turned back upon itself radially inwardly of the cover for defining an ornamental bead for the cover.

2,547,954
APPARATUS FOR DISCHARGING LIQUID BY A MEDIUM STORED UNDER PRESSURE

Daniel Mapes, West Caldwell, and Albertus E. Schmidlin, Caldwell, N. J., assignors to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application March 25, 1947, Serial No. 737,180
13 Claims. (Cl. 169—31)



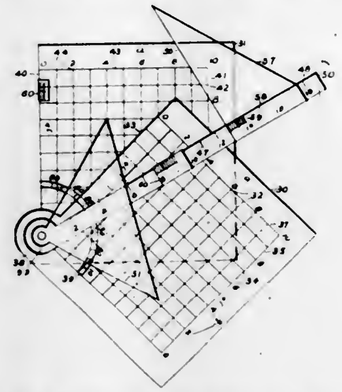
9. In combination, a container having an outlet, closure means for said container having an aperture therein disposed across said outlet, a member extending through said aperture provided with a passage having a metering orifice at one end in fluid flow communication with the interior of said container and a closed end, said member having a weakened zone intermediate its ends and adjacent said passage and having a bendable zone intermediate the other end of said member and said weakened zone, and means for securing said closure means on said container.

2,547,955
VECTORIAL AND MATHEMATICAL CALCULATOR

Hallock S. Marsh, Philadelphia, Pa.

Application March 26, 1946, Serial No. 657,318
4 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a mechanical calculator, the combination of graduated approximately coplanar and quadrantally shaped plates having a system of protractor and abscissa and ordinate markings thereon, and having certain edges accurately shaped for coordination with other elements of the structure, a graduated and a transparent non-graduated scale means operating in coplanar manner over said plate arrangement in predetermined relation to the markings and values thereof in conjunction with a slideable scale means mounted on said graduated scale means and marker means also slideable on said graduated scale means in conjunction with the mechanical positions of said scale to predetermined graduations on said plate, means for mechanically adjusting and retaining said graduated and non-graduated and slideable scale means in desired

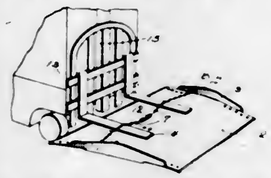


angular and linear coordination to facilitate calculations.

2,547,956
DOCK PLATE

William E. McDonald, Salt Lake City, Utah

Application April 16, 1945, Serial No. 588,510
3 Claims. (Cl. 14—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dock plate comprising: a main body; a pair of side members carried by said main body; means for distributing a load between the center region and the outer region of said dock plate, said means comprising a support member extending transversely across the under side of said main body about the center region of said main body, said support member being carried by said main body and having its ends abut against and rigidly connected to said side members; said main body being apertured in a region spaced from said side members, the aperture being centrally located on the longitudinal axis of said main body; and means carried by said main body whereby said main body may be moved by a fork-lift truck, said means comprising a pair of flexible connector means, each having one end thereof attached to one of said side members and the free ends thereof provided with means insertable through said apertured main body for releasably engaging the same.

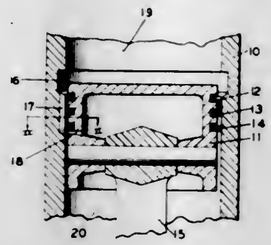
2,547,957
PISTON RING SEAL

George W. Meadows, Irvington, N. Y., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y.

Application November 15, 1947, Serial No. 786,290
5 Claims. (Cl. 309—2)

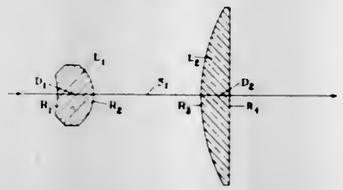
1. A cylinder and piston assembly comprising a reciprocable piston member, and a cylinder having an interior wall portion provided with a

groove system comprising a peripherally disposed groove portion and a downwardly extending groove portion, sadi groove system being positioned in said cylinder so that the lower edge of said peripheral groove portion is overlapped by



the top of said piston during top dead center piston position while the lower end of said downwardly extending groove portion is in direct connection with an open region below said piston during top dead center piston position.

2,547,958
OPTICAL SYSTEM FOR OBJECTIVES AND EYEPIECES
John R. Miles, Des Plaines, Ill., assignor to Chicago Aerial Survey Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1949, Serial No. 75,268
4 Claims. (Cl. 88—57)



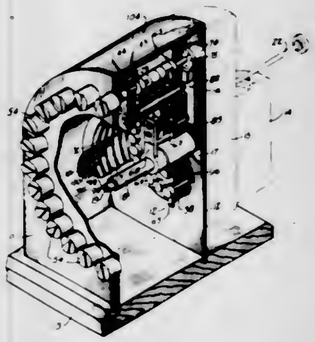
2. An optical system for objectives and eyepieces, comprising at least two lenses in at least equivalent axial alignment, in which the first surface of the first principal lens of said lenses has a power value of between minus .81 times and minus .67 times the power value of the complete system, and in which the second surface of the first principal lens of said lenses has a power value of between plus 1.6 times and plus 1.4 times the power value of the complete system, and in which the first surface of the second principal lens of said lenses has a power value of between plus .37 times and plus .31 times the power value of the complete system, and in which the second surface of the second principal lens of said lenses has a power value of between plus .073 times and minus .073 times the power value of the complete system, and in which the thickness of the said first principal lens is between .45 times and .5 times the focal length of the complete system, and in which the separation of the said two principal lenses has a value between 1.3 times and 1.5 times the focal length of the complete system, and in which the thickness of the said second principal lens has a value between .34 times and .37 times the focal length of the complete system, and in which the mean index of refraction of said two principal lenses has a value between 1.65 and 1.75.

2,547,959
CENTRIFUGAL FUEL FEEDING SYSTEM FOR ANNULAR COMBUSTION CHAMBERS
Ernest F. Miller, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 27, 1948, Serial No. 4,590
4 Claims. (Cl. 60—41)



1. Fuel combustion apparatus comprising a substantially cylindrical casing structure providing an annular air flow passage, combustion basket means supported in said passage and having an annular extension wall encompassing an entryway communicating therewith, a rotary shaft disposed axially within said casing structure, fuel supply means, and a centrifuge fuel impeller mounted on said shaft and having an inner annular recess and a plurality of radial ducts communicating therewith and disposed normal to said extension wall, said recess being adapted to receive fuel from said supply means, said ducts being adapted to throw fuel under centrifugal pressure against said extension wall of said basket structure for thereby effecting initial atomization and mixture of fuel with air flowing from said passage into said basket structure.

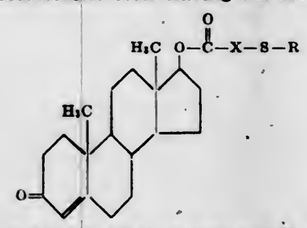
2,547,960
PRESELECTION TIME CONTROL DEVICE
Clarence Graham Montgomery, North Granby, Conn.
Application November 6, 1947, Serial No. 784,420
23 Claims. (Cl. 161—1)



1. A time control device which comprises a time drive mechanism, an arbor driven by said time mechanism, an arm carried by said arbor, a plurality of circuit rings arranged concentrically about said arbor, a plurality of rotatable selecting means for contacting said circuit rings, contact means on said arm to successively establish contact with said selecting means.

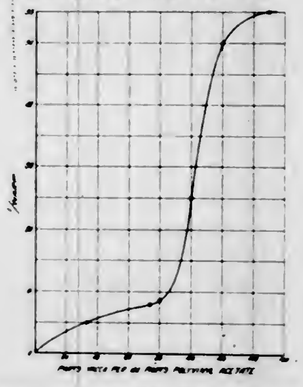
2,547,961
LOWER ALKYLMERCAPTOALKANOATES OF HYDROXYLATED HORMONES AND METHOD OF PRODUCING SAME
Aram Mooradian, Troy, Elmer J. Lawson, East Greenbush, and Chester M. Suter, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1947, Serial No. 773,943
21 Claims. (Cl. 260—397.4)

1. A testosterone ester having the formula



where R is a lower alkyl radical and X is a lower alkylene radical.

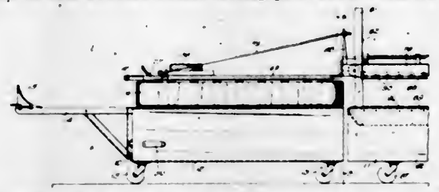
2,547,962
FORM-STABLE MOLDING COMPOSITION
George O. Morrison, Milltown, N. J., and George F. Metz, Diamond Point, N. Y.
Application April 9, 1947, Serial No. 740,442
15 Claims. (Cl. 260—27)



1. A molding composition suitable for the manufacture of phonograph records and characterized by a high degree of form-stability and comprising a binder component and a filler component, the binder component comprising a brittle, sharp-melting resin, the sharp-melting resin being present in a larger proportion than the polyvinyl acetate, a polyvinyl acetate resin, and a quantity of yacca gum equal to at least about 80 parts by weight per 100 parts of the polyvinyl acetate, the polyvinyl acetate having a viscosity of at least 40 centipoises when measured at 20° C. in a benzene solution containing 86 grams of the resin per liter.

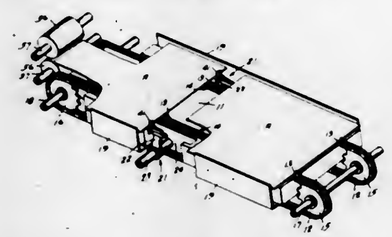
2,547,963
BOX FLAP GLUING DEVICE
Morris P. Neal, Quincy, Ill., assignor to A-B-C Packaging Machine Corporation, a corporation of Illinois
Application October 15, 1945, Serial No. 622,354
16 Claims. (Cl. 91—51)

10. Apparatus for applying glue to a surface comprising a glue pan, an inverted container held with its opening spaced from the bottom of the pan, a conduit leading to a glue reservoir and provided with a separable joint near the reservoir, a first roller mounted for rotation within the reservoir and having its bottom portion normally contacting the glue and its top portion normally contacting a surface passing thereover, a second roller mounted for rotation within the reservoir and arranged above the glue level with its surface contacting that of the first roller, said surface of the second roller being provided with nar-



row circumferential ridges separated by narrow valleys and the first roller being provided with a central circumferential groove, the second roller being also provided with a raised portion on its surface for engagement with said groove, and scrapers mounted in the reservoir above the glue level in contacting relationship with the ends of said first roller for scraping glue therefrom, said reservoir, rollers and scrapers forming a unit resting on supports so as to be easily inserted on and removed from said supports.

2,547,964
SHEET GAUGING APPARATUS
Ronald E. J. Nordquist, Maplewood, and Bruno A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 23, 1946, Serial No. 698,782
9 Claims. (Cl. 271—50)



1. A back gauge for a sheet gauging apparatus, comprising a member continuously rotatable in one direction on a fixed axis, a gauge finger mounted on said member for engaging the back edge of a moving sheet for shifting the sheet into a gauged position, and means on said rotatable member for bodily moving said finger relative to said member for adjustably locating the finger in a predetermined gauging position.

2,547,965
REACTION OF ALKYLPHENOL, TERTIARY AMINE, AND EPIHALOHYDRIN
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application June 23, 1948, Serial No. 34,811
12 Claims. (Cl. 260—567.6)

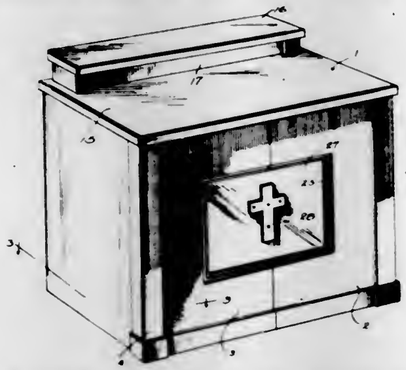
1. A process comprising mixing in liquid phase and under temperature conditions between 20°

C. and 120° C. a monoalkyl phenol having from 5 to 18 carbon atoms in the alkyl radical, an epihalohydrin, and a tertiary amine having the formula:



in which each of R_1 and R_2 is an alkyl radical having from 1 to 3 carbon atoms, and in which R_3 is one of a group consisting of the allyl radical, the benzyl radical and alkyl radicals having from 1 to 3 carbon atoms; and maintaining the foregoing in mutual contact for stoichiometric reaction until the corresponding quaternary ammonium reaction product is obtained.

2,547,966
FOLDING ALTAR
Frederick T. Paden, Collingswood, N. J.
Application December 16, 1947, Serial No. 792,090
4 Claims. (Cl. 312—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



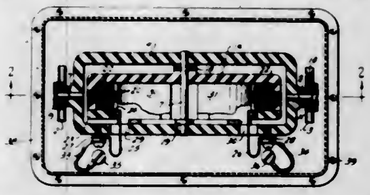
1. A foldable and portable altar comprising a front wall formed of two vertically hinged sections, side walls hinged to the free edges of the front wall sections, a removable top, and a retable on said top including a horizontally hinged front panel, whereby the table may be folded and be retained in folded condition by inserting one end thereof into the interior of the retable.

2,547,967
APPARATUS FOR RELEASABLY LOCKING A GASOLINE PUMP OR THE LIKE AFTER EACH OPERATION THEREOF
Bernard J. Patten, Norwood, Mass., assignor of one-half to Philip H. Wenz, Dedham, Mass.
Application May 27, 1948, Serial No. 29,485
7 Claims. (Cl. 222—19)



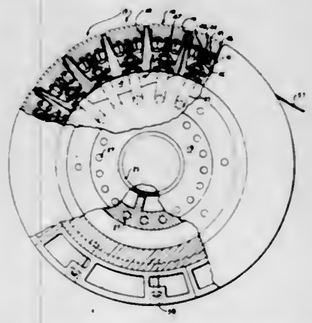
1. An electric circuit having in series therein a motor, a manually operable control switch and a safety switch, means operating simultaneously with the opening of said control switch to open automatically said safety switch, an auxiliary circuit having a manually operable control switch therein, and means responsive to a momentary closing of the control switch in the auxiliary circuit when the first said control switch is open to close said safety switch.

2,547,968
GYROSTABILIZER
Charles L. Paulus, Dayton, Ohio
Application February 13, 1945, Serial No. 577,720
7 Claims. (Cl. 74—5.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



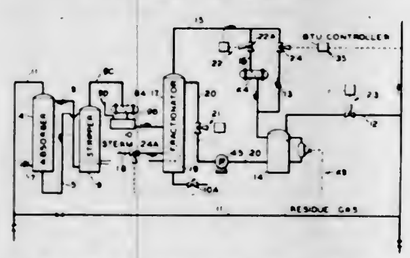
1. In a gyroscope, a fixed support element, a gimbal element journaled thereon, a rotor carried thereby, means for rotating the rotor, erecting electrical contact means between the fixed support element and the gimbal element comprising a rigid electrical contact arm projecting from one of said gimbal and support elements, a pair of spaced resilient electrical contact and gimbal erecting spring members disposed on the other of said gimbal and support elements at opposite sides of the contact arm in close juxtaposed relation thereto in a plane transverse to the gimbal tilt axis, spaced contact terminals on the support element insulated from each other, one contact terminal being provided for each contact spring member and for said contact arm, and an electrically conductive connection between each of said contact spring members and said contact arm, and said spaced contact terminals.

2,547,969
DRUM FILTER MEDIUM
C. Lynn Peterson and Clarence J. Peterson, Salt Lake City, Utah, and Blair Burwell, Grand Junction, Colo., assignors to Peterson Filters and Engineering Co., a firm
Application January 28, 1948, Serial No. 4,844
8 Claims. (Cl. 210—199)



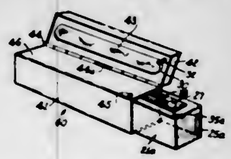
1. A filter medium section comprising a base adapted to be attached to a filter drum or the like, said base having on the outer side a longitudinally extending recess provided with longitudinally extending grooves in the bottom thereof providing lands between said grooves; a filter medium held within said recess, said filter medium comprising a plurality of layers extending transversely to the outer surface of said section, into each of said grooves, and abutting against said lands; and means for retaining said filter medium in said recess substantially constant in shape and volume so as to provide a substantially undeviating outer surface.

2,547,970
CONTROLLING HEATING VALVE OF NATURAL GAS
William Lonnie Phillips, Odessa, Tex., and Clyde P. Stanley, Tulsa, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application February 28, 1948, Serial No. 12,094
5 Claims. (Cl. 196—8)



1. In a gasoline extraction system wherein a natural gas containing hydrocarbons boiling within the gasoline boiling range and hydrocarbons boiling lower than the gasoline boiling range are extracted as natural gasoline from the natural gas leaving a residue gas, a method for maintaining the B. t. u. content of the residue gas at a predetermined value comprising deethanizing the natural gasoline to produce an ethane free natural gasoline and an overhead product containing ethane and some propane, separating this overhead product into a first portion and a second portion, cooling said first portion to produce some condensate and returning this condensate to the stabilizer as reflux, and adding the second portion of the overhead product and uncondensed vapors from said first portion to the residue gas; continuously determining the B. t. u. content of the thus enriched residue gas and controlling said separation of the stabilizer overhead product to provide a sufficient quantity of said second portion of the overhead product to maintain the B. t. u. content of the enriched residue gas at said predetermined value.

2,547,971
COSMETIC COMPACT
Irving Polin, Brooklyn, and Abraham Polin, Bayside Hills, N. Y.
Application August 15, 1949, Serial No. 110,416
3 Claims. (Cl. 132—79)

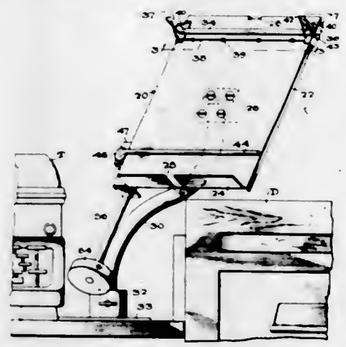


1. A compact of the character described comprising a casing, a cover hingedly mounted on said casing, a spring urging the cover into open position, a compartment for a lipstick holder in said casing, a lipstick holder slidably mounted in said compartment, a spring urging said lipstick holder to move outwardly from said compartment, and a common catch for said lipstick holder and said casing cover which prevents the casing cover from swinging into open position in response to the spring action thereon and prevents the lipstick holder from moving outwardly from its said compartment in respect to the spring action thereon, said common catch comprising a slotted stud on the casing cover and a slot-engaging member on the lipstick holder, said slot-engaging member comprising one of the walls of the lipstick holder.

2,547,972
HYDROCARBON-SOLUBLE PHTHALOCYANINES
David I. Randall and Tellis A. Martin, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 10, 1950, Serial No. 137,902
7 Claims. (Cl. 260—314.5)

1. A hydrocarbon-soluble metal phthalocyanine containing 1 to 6 amino methyl groups as nuclear substituents in the benzene rings of the phthalocyanine nucleus, said amino methyl groups having not more than one hydrogen attached to the nitrogen atoms thereof, and wherein the other radicals attached to the amino methyl groups contain no water-solubilizing groups, and at least one of said radicals contains at least 4 carbon atoms.

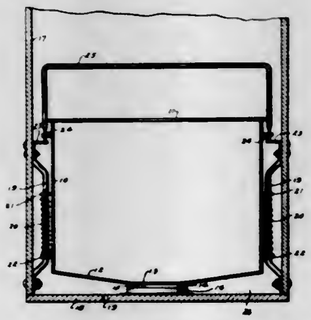
2,547,973
COPYHOLDER
Henry I. Richards, Arlington, Va.
Application August 20, 1947, Serial No. 769,609
8 Claims. (Cl. 120—34)



1. In combination with a copyholder having a copy supporting surface and a shaft extending in spaced parallel relation to said surface: a line guide support member mounted for longitudinal movement on the shaft; an extended line guide carried by the line guide support member, said line guide being provided with an integral end portion projecting at right angles thereto; plug means pivotally mounting said end portion on said support member for rotation about its longitudinal axis, said plug means also being formed to slidably engage and guide said end portion for

non-turning reciprocation relative to said support member; and spring pressed yieldable friction means carried by the line guide support member and engaging the shaft to retain the line guide support member in selected positions along the shaft.

2,547,974
QUICK EMPTYING, MOVABLY MOUNTED, SPRING-LOADED SUPPLY CONTAINER
William H. Richards, Dayton, Ohio
Application February 5, 1947, Serial No. 726,506
1 Claim. (Cl. 222—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



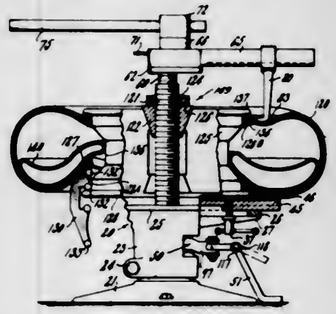
A quick-emptying tank which comprises an outer framework, a tank within said framework, said tank having a discharge orifice in its bottom, a shouldered block between said framework and said orifice, a gasket closely abutting said block about the shoulder thereof whereby to seal the orifice, offset rods mounted on opposite sides of said framework between said framework and said tank, a lug on each side of said tank substantially encircling one of said rods, a coil spring encircling each of said rods above said lug, an adjustable stop nut threadedly engaging each of said rods above said coil spring, the upper end of each of said coil springs being attached to one of said stop nuts, a bail for said tank, hinges for said bail, an inwardly-projecting lug at the top of each rod, said hinges making contact with the top surfaces of said inwardly projecting lugs whereby to assist in preventing said gasket from becoming over-compressed by the weight of the tank.

2,547,975
EXPANDER AND CONTRACTOR ROLL
John D. Robertson, Taunton, Mass.
Application August 13, 1949, Serial No. 110,163
9 Claims. (Cl. 26—63)



1. An expander and contractor roll for flexible sheet material, comprising an axial shaft having a bowed portion of substantial extent and having a straight portion of substantial extent extending from the bowed portion to each end of the shaft, a series of generally cylindrical roll sections rotatably mounted on the shaft and distributed along the shaft with some of the roll sections on the bowed portion of the shaft and some on the straight portions of the shaft, and a surface sleeve of resiliently flexible material engaged over all of the roll sections and adapted to rotate therewith, whereby a substantial central portion of the surface sleeve rotates about a curved axis at said bowed portion of the shaft and straight end portions of the surface sleeve, having substantial straight extent, rotate about straight axes at said straight portions of the shaft.

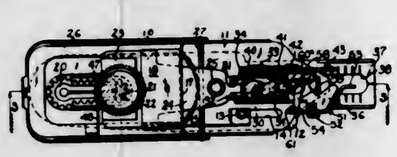
2,547,976
TIRE MOUNTING AND DEMOUNTING MACHINE OF THE TYPE HAVING RELATIVE TRAVEL BETWEEN A TIRE AND A TIRE TOOL
Hugh M. Rockwell, Freeport, N. Y.
Application December 8, 1945, Serial No. 633,698
12 Claims. (Cl. 157—1.24)



7. A tire manipulating machine for removing tires from or mounting tires on wheels of various types and sizes comprising, in combination, a platform having an extent at least large enough to give contact and support to the outer periphery of a tire-carrying wheel, said platform having rim-contacting portions in a plane for any one of various types and sizes of wheels, means for pressure-friction holding a tire-carrying wheel on the platform including a clamping means in the central opening of the wheel exerting force on the wheel to press the same toward the platform, and yielding frictional means for resisting relative turning between the wheel and platform and a tire manipulating tool mounted in spaced relation to the platform and held in position for relative revolution with relation to the wheel position center and in position to engage the tire adjacent the rim.

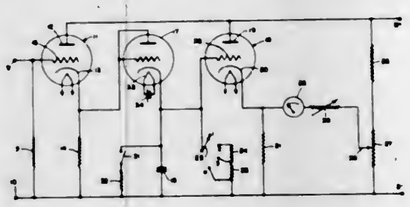
9. A machine for stripping tire beads from their bead seats, said machine comprising a platform, means for holding a tire-carrying wheel on the platform, a tool holder and mechanism for positively and progressively moving the tool holder with its tool around the wheel in contact with and against the tire adjacent the rim and for simultaneously positively moving the holder axially with respect to the wheel, thus producing a helical movement, and a positively operating retracting and distending means for, at will, moving the tool inwardly or outwardly to force the tool in adjacent the inner surface of the rim flange between the flange and the tire bead or to withdraw it therefrom.

2,547,977
CLOTH-HOLDING DEVICE FOR BUTTON-HOLE ATTACHMENTS
Herbert H. Russell, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application November 23, 1949, Serial No. 129,059
10 Claims. (Cl. 112—77)



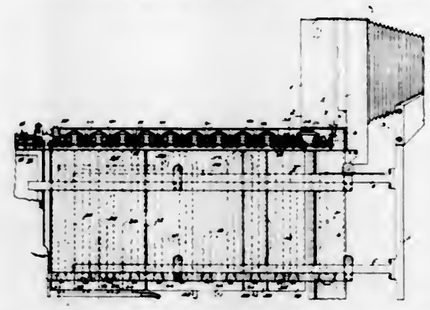
8. In a sewing-machine attachment a frame, a cam wheel rotatably mounted thereon, a fork arm pivoted on the frame and connected to the cam wheel to effect step-by-step rotation thereof upon oscillation of the fork arm, an adapter for connection with the presser bar of the machine, a hold-down lever pivoted to the adapter on a horizontal axis, and an actuating lever pivoted to the adapter on a vertical axis, said last-named lever having a part engaging said cam wheel and another part engaging said hold-down lever to actuate the latter from the cam wheel, said hold-down lever having oppositely inclined cam surfaces engaged by the part of the actuating lever.

2,547,978
TRANSIENT PEAK VOLTMETER
Clifford M. Ryerson, Milton H. Aronson, and Louis W. Erath, Washington, D. C.
Application May 16, 1945, Serial No. 594,134
5 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a transient peak voltmeter of the character disclosed, the combination of a cathode follower having an input and an output, a condenser and a rectifier connected in series across the output for charging the condenser to a value corresponding to the maximum value of a signal applied to said input, an electronic meter, a high impedance input circuit including a floating grid for said meter, an R. C. circuit having a time constant corresponding to the period of a continuous signal envelope to be measured, and circuit means settable at will for applying the potential on the condenser to said electronic meter through said high impedance input circuit thereby to give a measure of the peak value of a transient signal applied to the input of said cathode follower or selectively settable at will to connect said R. C. circuit across said high impedance input circuit thereby to give a measure of the variations in a continuous signal envelope when applied to the input.

2,547,979
PHOTOCOPY MACHINE
Edward R. Sabel and Frank I. Galbrecht, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application August 16, 1946, Serial No. 690,983
6 Claims. (Cl. 271—45)



1. In a photocopy machine, the combination with pairs of belt-feeding units operating to feed prints upwardly and separate pairs of belt-feeding units operating to feed prints downwardly, each of said belt-feeding units comprising a series of top pulleys arranged endwise adjacent to and spaced from one another and a series of bottom pulleys arranged endwise adjacent to and spaced from one another with a series of endless flat belts arranged edgewise adjacent to and spaced from one another and each extending around a top and bottom pulley respectively, the belts of each belt-feeding unit acting to engage belts of the adjacent unit and to feed prints positioned between said belts and extending across a series of adjacently arranged belts, of print guiding and conveying means comprising vertically spaced gradually curved guiding elements located above and below the path of the prints and extending entirely across the series of belts and pulleys endwise thereof affording a gradually curved passage from between the tops of one pair of belt-feeding units to a point between the tops of the other pair of belt-feeding units and operable to support a print of any size within the width of the belt-feeding units laterally and to convey the print in a curved path from between an upwardly feeding pair of belt units to a point between a downwardly feeding pair of belt units, the upper of said guiding elements including a series of downwardly extending spaced fins located between adjacent pulleys and belts of the outermost belt-feeding unit of the upwardly feeding pair.

2,547,980
METHOD FOR DETOXIFYING CASTOR BEAN PROTEINS
Harold F. Saunders, Shaker Heights, Ohio, assignor to The Sherwin-Williams Co., Cleveland, Ohio, a corporation of Ohio
Application September 11, 1947, Serial No. 773,482
14 Claims. (Cl. 260—123.5)

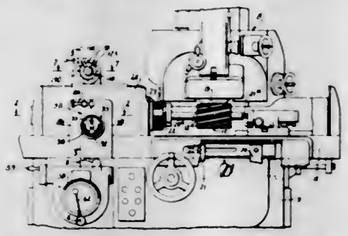
12. A process for treating castor bean pomace to eliminate toxins comprising mixing the pomace with an aqueous alkaline solution to form a dispersion having a pH value of from about 9 to about 11, the amount of solution added being sufficient to produce a protein concentration of from about 1% to about 3%, heating said mixture to from about 80° C. to about 95° C. for a period of from about 5 minutes to about 25 min-

utes to destroy said toxins, cooling said detoxified dispersion to a temperature not higher than 60° C., adding sufficient acidic substance to lower the pH value to from about 3.8 to about 4 to



precipitate a large proportion of the solubilized proteinaceous material, and separating at least a portion of the liquids from the solids including the precipitated material.

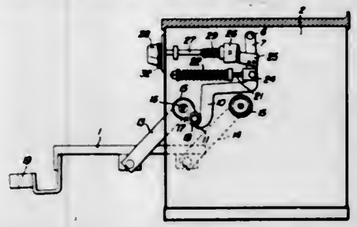
2,547,981
CUTTER SHARPENING MACHINE
John P. Scone, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 2, 1948, Serial No. 47,435
20 Claims. (Cl. 51—95)



12. In a cutter sharpening machine the combination of, a table, a spindle rotatably mounted on said table and adapted to be coupled to a cutter to be sharpened, a power actuator for reciprocating said table back and forth, a member rotatable about the spindle axis, index elements providing between the member and spindle a coupling which is disengageable to permit indexing of said spindle, mechanism for counting the reciprocations of said table, and means actuated under the control of said counting mechanism to turn said member through a predetermined angle after a predetermined number of table reciprocations.

2,547,982
GRIDDLE SUSPENDING AND ACTUATING MECHANISM
Garland A. Sivley, Quakertown, Pa., assignor of three-fourths to Ernest Reich, Forest Hills, N. Y.
Application July 7, 1947, Serial No. 759,428
10 Claims. (Cl. 99—427)

1. A stove griddle and operating mechanism therefor comprising substantially parallel suspending links pivotally connected to the griddle for suspending it either within or outside of a stove, said links having pivot members adapted to connect them to and pivotally supporting them upon a stove wall, said links acting as a parallel linkage mechanism for supporting the griddle during its movements into and out of the stove, the supporting pivot of one of said links having a crank arm rigidly connected thereto and arranged at an angle with reference to the said link, said crank arm having a roller on its moving end, a lever adapted to be pivotally mounted on the stove wall at a distance from said pivot members and having one of its ends extending into



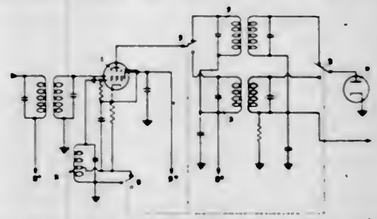
proximity to the roller, said lever having a notch formed therein for engagement by said roller to hold the links and the griddle supported thereby in a definite position outside of the stove, and spring means for holding the lever against said roller.

2,547,983
COLLAPSIBLE HOSE COUPLING
Edward J. Slattery, Washington, D. C.
Application September 24, 1947, Serial No. 775,820
12 Claims. (Cl. 285—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A collapsible joint for collapsible hose sections, comprising one or more collapsible rings secured to the exterior of each of the adjacent ends of a pair of hose sections, and a flexible coupling member engaged over said rings.

2,547,984
SELECTIVITY SWITCHING DEVICE
William L. Smith, Silver Spring, Md.
Application April 1, 1946, Serial No. 658,723
1 Claim. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



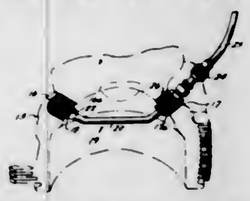
in a superheterodyne radio receiver producing a first predetermined intermediate frequency, a selectivity switching device comprising an input circuit responsive to said first predetermined intermediate frequency, a multi-element vacuum tube comprising an amplifying section and an oscillator section, means connecting said amplifying section of said vacuum tube to said input circuit, an oscillator circuit including a tuned tank circuit tuned to a predetermined heterodyne frequency adapted to be connected to said oscillator circuit whereby to cause said vacuum tube to produce a second predetermined intermediate frequency equal to the difference between said first predetermined intermediate frequency and said predetermined heterodyne frequency, first tuned output circuit means responsive to said first predetermined intermediate frequency, second tuned output circuit means responsive to said second predetermined intermediate frequency, and two position switch means adapted in one position to connect said second output circuit to said vacuum tube and to connect said oscillator circuit to the oscillator section of said vacuum tube and adapted in the other position to disconnect said oscillator circuit from said oscillator section of said vacuum tube and to connect said first output circuit to said vacuum tube, whereby to selectively produce two distinct band widths from said receiver.

2,547,985
CURTAIN STRETCHER
Kenneth J. Unwin, Kenosha, Wis., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis., a corporation of Wisconsin
Application January 30, 1946, Serial No. 644,364
6 Claims. (Cl. 45—24)



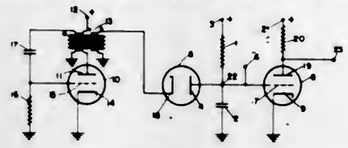
1. A curtain engaging device for curtain stretchers comprising a strip of metal adapted to be secured to the surface of a curtain stretcher frame and having a multiplicity of punched struck-upwardly needle-like projections respectively terminating in sharp-edged, pointless outer end portions disposed substantially in a plane parallel to said strip so as to engage curtain material stretched on a frame without substantial perforation of the material.

2,547,986
METHOD FOR REMOVAL OF BROKEN SPARK PLUGS
Henry Leland Van Dermark, also known as Henry L. Van Dermark, deceased, late of Sacramento, Calif., by Hazel L. Van Dermark, executrix, Medford, Oreg.
Application November 27, 1946, Serial No. 712,612
2 Claims. (Cl. 29—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The process of removing a spark plug from an engine cylinder which comprises removing the porcelain core of the spark plug, inserting and locking an air blast tube in such a position on the remainder of the plug so that the air blast proceeding from said tube will blow away from the engine cylinder, placing the spark plug to be removed under air pressuer applied through said air blast tube, placing a drill bushing provided with openings over said spark plug, drilling openings in a predetermined pattern in the periphery of the shell of the plug, discontinuing the air pressure after there is no chip formation, applying a tool which fits the openings simultaneously and then unscrewing the plug by rotating the tool.

2,547,987
SAWTOOTH VOLTAGE GENERATOR
Edwin C. Vestal, Jr., United States Navy
Application November 16, 1945, Serial No. 629,204
7 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

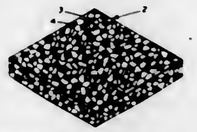


1. A sawtooth voltage generator comprising a D. C. voltage source, impedance means, capacitor means, means connecting said impedance means and capacitor means in series across the power supply means, first unilateral impedance means conductively connecting the two plates of the capacitor means, unipotential impulse generator means, and second unilateral impedance means conductively connecting the impulse generator means to the capacitor means to charge the same with a polarity opposite to that of the D. C. voltage source and thereby to decouple the two plates of the capacitor means.

2,547,988
PROCESS FOR IMPROVING THE FOAM OF FERMENTED MALT BEVERAGES AND PRODUCT OBTAINED THEREBY
James S. Wallerstein, Arthur L. Schade, and Hilton B. Levy, New York, N. Y., assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 11, 1947, Serial No. 727,940
14 Claims. (Cl. 99—48)

1. The method of improving the foam of fermented malt beverages which comprises adding to the beverage a solution of a water-soluble, heat stable, carboxy-methyl cellulose.

2,547,989
METHOD OF MAKING MOTTLED COMPRESSED CORK ARTICLES
John W. Wiley, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 24, 1949, Serial No. 72,317
11 Claims. (Cl. 18—47.5)



7. In a method of making compressed cork articles, such as cork tile and the like having a

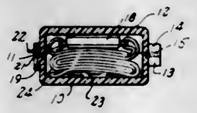
mottled appearance throughout, the steps comprising subjecting granules of natural cork of light tan color to the action of heat at a temperature above 300° F., continuing the application of heat above such temperature to change the color of said granules throughout their extent to color which is in the color range between chocolate brown and black, mixing a heat convertible binder with said colored granules and differently colored granules of cork selected from the group consisting of natural cork of light tan color and cork of different color which has been colored by heat treatment, and forming said mixture into a block by subjecting the mixture to heat while held under compression, said heating of the mass being effected at a temperature below 275° F.

2,547,990
MAGNETIC PICKUP
Frank F. Willms, East Rockaway, N. Y.
Application November 21, 1945, Serial No. 630,108
7 Claims. (Cl. 294—65.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



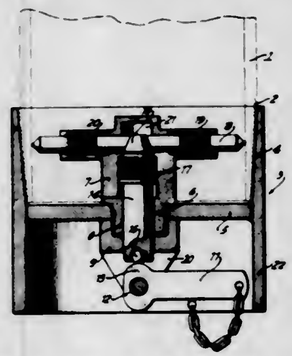
3. A magnetic pickup for ferro-magnetic articles comprising a case, a shaft mounted slidably in said case and having a magnet at one end thereof, the other end of said shaft extending beyond said case, means to retract said magnet from proximity to an opening in one end of said case, said means being carried in said case, means to secure said magnet proximate said opening carried by said case, and a rocker arm mounted in said case, said rocker arm being adapted to retard operation of said retracting means.

2,547,991
HOLDER FOR WRIST WATCH, POCKET WATCH, INDICATOR, AND THE LIKE
Fred John Witbrod, Chicago, Ill.
Application January 26, 1949, Serial No. 72,806
1 Claim. (Cl. 206—1)



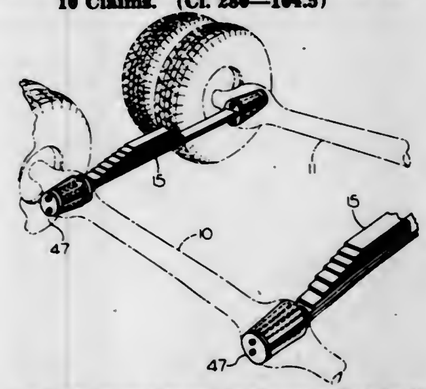
In a case for protecting an instrument, a first open-topped housing fabricated of transparent material adapted to hold said instrument, a second open-topped housing hingedly connected to said first housing fabricated of transparent material and adapted to be moved into and out of closing relation with the open top of the latter, means for releasably locking said first and second housings together, said last-named means comprising a projection on said first housing, a lug secured to said second housing, said lug being provided with a socket for receiving said projection when said second housing is in closed position on said first housing, and a pad positioned within said first housing for maintaining said instrument immobile in said case.

2,547,992
MECHANICALLY ACTUATED PIPE THREAD PROTECTOR
Willis C. Baker, Long Beach, Calif.
Application March 11, 1949, Serial No. 80,809
3 Claims. (Cl. 138—96)



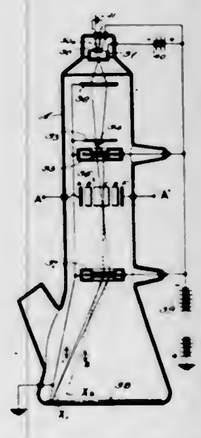
1. A mechanically actuated pipe thread protector comprising a sleeve, a transverse wall in the sleeve, a cylinder fixedly mounted on said wall, a bar reciprocally mounted in said cylinder, manual means mounted in said protector and engaging the bar to operate the same, and pipe engaging pins projecting from the cylinder and operable by said bar.

2,547,993
SPRING AND AXLE ASSEMBLY FOR VEHICLES
August Benz, Portland, Oreg.
Application May 17, 1947, Serial No. 748,763
10 Claims. (Cl. 280—104.5)



1. A trailer comprising a load supporting body, said body comprising a transverse member having a bracket depending from each end thereof, a spring shackle block pivotally engaging the depending end of each of said brackets, a leaf spring assembly extending longitudinally through each of said shackle blocks, a pair of axles supporting said leaf spring assemblies at their ends, and retaining means affixing the ends of said leaf spring assemblies within said axles, said retaining means comprising resilient bushings, surrounding the ends of said leaf spring assemblies.

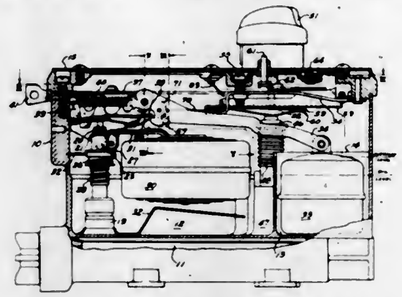
2,547,994
ELECTRONIC MICROSCOPE
François Bertein, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application March 1, 1948, Serial No. 12,228
In France March 13, 1947
7 Claims. (Cl. 250—49.5)



1. An electronic microscope tube comprising an electron gun for projecting electron beams, an accelerating and concentrating electrode, a microscope stage, an objective, a projection lens, a microscope screen for receiving the image, and means disposed between the said objective and the said projection lens, for creating fields acting on the trajectories of said electron beams, for the purpose of improving the focalization of the said beams.

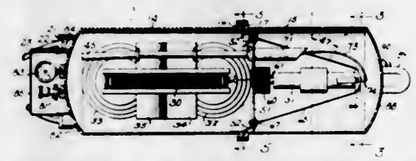
2,547,995
FLUID FLOW CONTROL DEVICE
William A. Biermann and Vernon R. Pawelsky, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application March 26, 1947, Serial No. 737,300
4 Claims. (Cl. 137—68)

1. A liquid flow control device comprising in combination, a casing having inlet and outlet ports, inlet and outlet valves for said ports adapted to control liquid flow into and out of the casing, a spring biasing said inlet valve toward its open position, float means responsive to the liquid level in said casing and including means for limiting the opening movement of said inlet valve in accordance with the liquid level in said casing to maintain a liquid level in the casing, means for regulating movement of said outlet valve in accordance with flow demand and including means for closing said inlet valve substantially simultaneously with closure of said outlet valve, said last-named means being operative to close said inlet valve independently of



said float means and without affecting said limiting means.

2,547,996
PORTABLE X-RAY UNIT
Cormack E. Boucher, Seattle, Wash.
Application June 9, 1948, Serial No. 32,027
16 Claims. (Cl. 250—90)

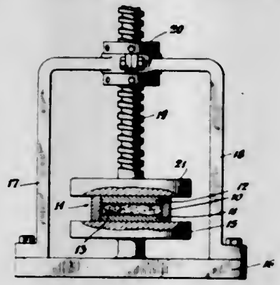


1. A portable X-ray unit comprising a two-part cylindrical housing, annular flanges on the adjacent ends of said housing parts for securing the same together in a coaxial relation, a transformer mounted in a first of said housing parts, a disc of insulating material resiliently mounted on said first part adjacent the open end thereof and having a diameter less than the internal diameter of said first part, an X-ray tube having an anode stem mounted on said disc coaxially with said housing parts, an anode radiator fixedly secured to the center of said disc and adapted for removably receiving the anode stem of said tube, bracket arms of insulating material secured to the outer edge portions of said disc for supporting the free end of said tube, electrical connection conductors between the terminals of said transformer and the tube terminals, said tube being adapted for emitting penetrative radiations throughout an angle of 360°, the portions of said second housing part, said bracket arms and conductors within the path of said radiations being of a material relatively permeable to said X radiations.

2,547,997
MOLDING FROM FIBER DISPERSIONS
Harold E. Bowers, Pittsburgh, Pa., assignor to The New England Box Company, Greenfield, Mass., a corporation of Massachusetts
Application March 19, 1946, Serial No. 655,582
7 Claims. (Cl. 92—55)

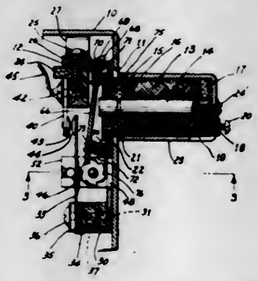
1. The method of producing an article of manufacture of the character described having a predetermined apparent density which comprises providing a mold of predetermined volume, providing an aqueous dispersion of a predetermined quantity of feltable fibrous material derived from wood with which is intimately intermixed a predetermined quantity of a com-

minuted, water insoluble filler agent having a melting point not substantially exceeding 176° C. and a vapor pressure below its melting point sufficiently high to sublime, forming a felted web of the mixture of fibrous material and filler agent from the dispersion while removing the bulk of the water therefrom, compressing the web of fibrous material and interspersed filler agent in said mold to said predetermined volume to form a shape of said predetermined volume, drying the compressed shape by evaporating residual water and then heating the shape



to a temperature not exceeding the melting point of the filler agent but high enough to cause its removal by sublimation, said predetermined quantity of fibrous material in said dispersion being that which when said web is compressed to said shape and the residual water removed and the filler agent is sublimed off the shape will have said apparent density and said predetermined quantity of filler agent in said dispersion being just sufficient to fill the spaces between the fibrous material when said shape is compressed to said predetermined volume.

2,547,998
IMPULSE RELAY
Wilhelm W. Brockway, Los Angeles, Calif.
Application November 3, 1945, Serial No. 626,513
2 Claims. (Cl. 200—105)



1. In an impulse relay, a mounting bracket of generally L-shape, including a generally flat mounting plate and an integral arm projecting from one end thereof transverse to the plane thereof, a solenoid mounted on said plate, said arm having a pair of spaced apertures, an armature of flat plate form disposed generally parallel to said plate and having at one end a pair of fingers loosely extending through said apertures and terminating in hooked ends operative to engage said arm to limit endwise movement of said armature, said armature having a third finger disposed centrally between and spaced from said pair of hooked fingers, a coil spring encircling said third finger and engaged under compression between said armature and said arm, a rotatable step by step switch actuator having a ratchet wheel, mounted on said plate in a position for engagement of said ratchet wheel by the other end of said armature when the latter is energized by said solenoid, said spring yieldingly maintaining said other end in operative association with said ratchet wheel while allowing limited endwise movement of said armature to conform to arcuate movement of a ratchet wheel tooth, and a second spring operative between said armature and said plate to yieldingly resist movement of said armature toward said solenoid.

2,547,999
RELAY MOUNTING
Wilhelm W. Brockway, Los Angeles, Calif.
Application August 29, 1947, Serial No. 771,328
2 Claims. (Cl. 200—105)

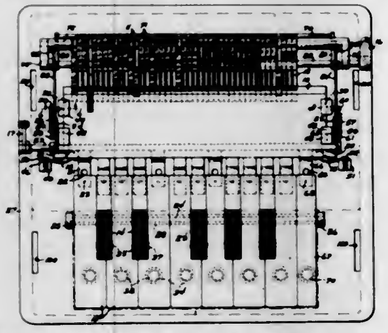


1. In a remotely controlled relay for operating the lighting circuit of a building, adapted to be mounted in an electrical conduit box having at least one knock-out aperture in a wall thereof: a tubular metallic coil casing having a diameter slightly less than that of said knock-out aperture, a solenoid coil in said casing, an elongated metallic switch mounting plate secured to an end of said casing, an elongated switch housing of insulating material secured to said mounting plate, a switch mounted in said housing, said switch including a movable switch arm extending longitudinally of said housing, said mounting plate including a web portion closing said end of the core casing and interposed between said core and said switch and a pair of side flanges closely embracing and supporting said switch housing, said web portion having an opening coaxial with said coil, switch actuator mechanism including an armature extending through said opening and into said coil, and means for transmitting movement from said armature to said switch arm, and means detachably securing said mounting plate within said conduit box and against said wall thereof with said coil casing extending through said knock-out aperture said last mentioned means comprising a bracket secured to one of said flanges and having an end portion bearing against another wall of said conduit box, and a securing element extending through said end portion and anchored to said other wall.

2,548,000
MUSICAL CHORD INDICATING MACHINE
Cyril L. Broughton, Washington, D. C.
Application March 10, 1950, Serial No. 148,760
6 Claims. (Cl. 84—477)

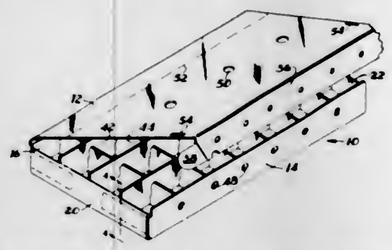
1. A musical chord name indicator comprising a group of selector plates having notches in the edges with the notches of the plates positioned to register, a plurality of chord name indicating levers, means positioning the selector plates to to limit movement of the chord name indicating levers, means retaining the said chord name indicating levers in non-indicating positions, means releasing the chord name indicating levers, and means coacting with the chord name indicating

levers and notches of the plates whereby the chord name indicating levers indicate the chord



name corresponding with the selector plates actuated.

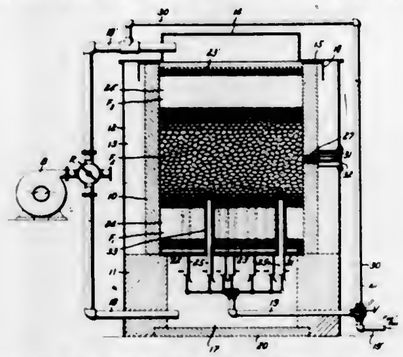
2,548,001
DISPLAY SHIPPING CONTAINER
Sydney T. Butterfill, Hamilton, Ontario, Canada
Application January 9, 1948, Serial No. 1,400
1 Claim. (Cl. 206—45.21)



A shipping and display container comprising a tray portion, a cover panel hinged to one wall of said tray portion, a flap along an opposite edge of said panel and adapted to overlie the opposite wall of said tray when the container is in closed position, lugs extending from each end of said flap, a score line along said cover panel parallel to the hinge line thereof and spaced from the hinged edge a distance approximately equal to the height of the adjacent wall of said tray portion, and slots in said cover panel located to receive the ends of said lugs when said flap and said cover panel are tucked beneath said tray portion, to provide an inclined support for said tray portion.

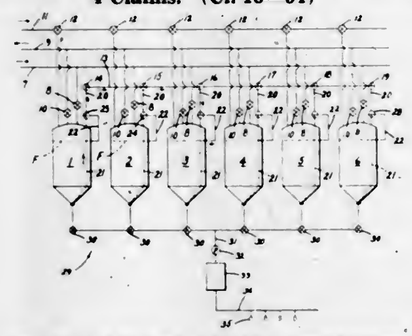
2,548,002
THERMAL FIXATION OF ATMOSPHERIC NITROGEN
Farrington Daniels, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application June 6, 1944, Serial No. 538,898
4 Claims. (Cl. 23—163)

1. In a process for the thermal fixation of nitrogen as nitric oxide, the steps which comprise: passing a gas containing nitrogen and oxygen in alternate upward and downward runs through successive beds of refractory bodies in a shaft furnace, said beds comprising an intermediate bed of relatively large bodies and upper and lower adjacent beds of relatively smaller bodies, and heating said intermediate bed to a high temperature sufficient to induce the oxidation of nitrogen by injection of a fluid combustible adjacent the junction of said intermediate bed and that bed of relatively smaller bodies



which is first contacted with said gas containing nitrogen and oxygen during at least a portion of each run in one only of said directions, and recovering nitric oxide thus produced.

2,548,003
METHOD AND APPARATUS FOR HANDLING UNSTABLE CHEMICAL DISPERSIONS
Hobart O. Davidson, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 1, 1945, Serial No. 580,426
4 Claims. (Cl. 18—54)



1. In apparatus for handling dispersions and the like, such as viscose, a plurality of supply tanks, a discharge header connected to each of the tanks, means for controlling the flow of the contents of each of said tanks through said header, a second header associated with the tanks, a branch line communicating substantially with the bottom of the interior of each tank, a second branch line connected to the upper region of the interior of each tank, means for selectively connecting the second header with said branch lines, an independent pressure line, conduits each provided with a valve or cock and independent of the headers and said branch lines for selectively connecting said pressure line to the several tanks.

2,548,004
SEPARABLE FASTENER
George Duefrene, Stepney, Conn.
Application February 2, 1944, Serial No. 520,732
10 Claims. (Cl. 24—208)

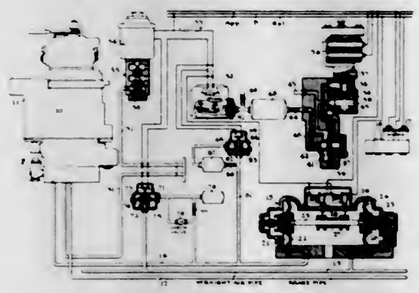
1. A separable fastener comprising two members, one having a solid continuous bulbous head

and the other a socket having a continuous solid wall to receive it, the socket being formed by a cavity having a constricted entrance opening to resists passage of the head into and out of the cavity, said head and socket being made of mold-



ed plastic, hard, resilient material which yields to temporary bodily deformation to permit the forced passage of the bulbous head into the cavity and snaps back and resiliently holds the same therein against casual separation.

2,548,005
LAG-RESPONSIVE PROTECTION DEVICE
John Van Varick Elsworth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 1, 1949, Serial No. 102,615
2 Claims. (Cl. 303—26)



1. In an electro-pneumatic brake system the combination of a control pipe; means for establishing pressures therein; a normally vented straight-air pipe for controlling application and release of brakes; electrically actuated application and release valves operable to regulate pressure in the straight-air pipe; a pneumatically actuated master controller connected to control said electrically actuated valves, and arranged to be shifted in application direction by pressure established in said control pipe and in the opposite direction by pressure in the straight-air pipe; automatic brake applying means arranged to operate independently of said straight-air pipe; an electrically controlled device serving when deenergized to cause said brake applying means to operate; a source of electric current; a switch biased to close; a circuit including said device, said source and said switch; a differential pressure motor subject to straight-air pipe pressure acting in a switch-closing direction and to control pipe pressure acting in a switch-opening direction; and selective means for delaying the development of rising control pipe pressure on said differential pressure motor.

2,548,006
SLEEPING CAR ARRANGEMENT
George R. Ericson, Kirkwood, Mo., assignor to American Car & Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1946, Serial No. 653,232
9 Claims. (Cl. 105—315)



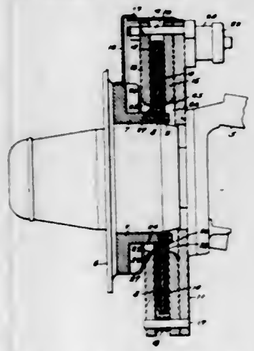
1. In a sleeping car having a room defined by spaced longitudinally extending aisle and side walls and transverse walls interconnecting the longitudinally extending walls, a bed in said room of slightly less width and length than the room, guide means for said bed having a first part arranged to support said bed in a prone position adjacent said wall, a second part to permit edgewise sliding thereof to a position flush with said side wall, and a third part permitting slight edgewise movement of said bed along said side wall when in said flush position, and spring means mounted along said side wall for urging said bed into said last mentioned guide means so as to lock the same in said flush position.

2,548,007
WELDING WHEEL
Wilbur G. Fitzsimmons, Ocala, Fla.
Application January 25, 1949, Serial No. 72,606
6 Claims. (Cl. 219—4)



1. A welding wheel having a plurality of radially disposed chambers to receive cakes of coolant material, and a closure for said chambers to retain said cakes therein, said chambers having at least one gas vent.

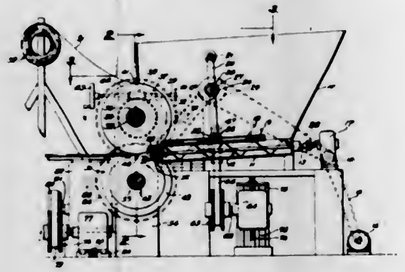
2,548,008
DISK BRAKE CONSTRUCTION
Loomis N. Franklin, Madisonville, Ky.
Application June 23, 1947, Serial No. 756,433
1 Claim. (Cl. 188—72)



A braking mechanism for wheels, comprising in combination, an axle, a wheel mounted for

rotation on the axle, a central brake discs secured to the wheel and having a circular line of ventilating openings adjacent to the hub thereof, a brake housing including a disc, outer brake discs disposed on opposite sides of the central disc and normally held in spaced relation therewith, said outer brake discs extending beyond the periphery of the central brake disc, said outer brake discs having alining openings disposed beyond the periphery of the central brake disc, bolts extending through the alining openings connecting the outer brake discs, cylinders mounted externally of the housing, means for connecting the bolts to the cylinders, pistons operating within the cylinders, said pistons extending through openings in the housing and engaging one of the outer brake discs, means for admitting fluid under pressure to said cylinders, operating the pistons, moving the brake discs into gripping relation with the central brake disc, pins extending through the housing and outer brake discs connecting the outer brake discs, and springs mounted on said pins in contact with the outer brake discs, normally urging said outer brake discs apart.

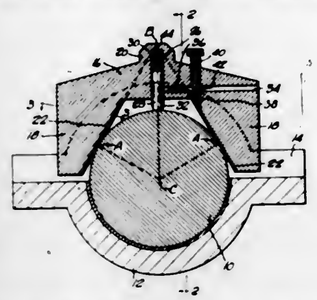
2,548,009
APPARATUS AND METHOD OF MAKING FRICTION LINING
Donald W. Fether, San Jose, Calif.
Application December 8, 1947, Serial No. 790,337
11 Claims. (Cl. 18—9)



9. Apparatus for making friction lining, comprising a pair of molding rolls, means for driving the rolls, a screw operable to feed lining-forming material for compression and advancement between the peripheries of the rolls, a reciprocating agitator cooperating with said screw and tending upon displacement in either of two reverse directions to advance lining-forming material toward said screw, means continuously actuating said agitator in said reverse directions, a rotating feeder receiving the material from said screw and positioned between the convergent peripheries of the rolls to thrust the material between them, and means for rotating said feeder independently of the screw.

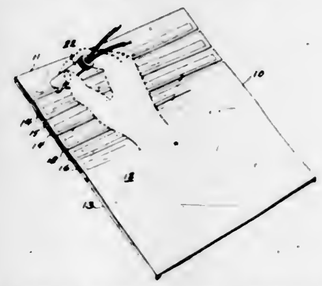
2,548,010
SHAFT MEASURING MEANS
George E. Frisz, Clay Township, St. Joseph County, Ind.
Application December 15, 1945, Serial No. 635,259
8 Claims. (Cl. 33—178)

4. A shaft measuring device comprising a rigid frame having a pair of spaced legs adapted to straddle a portion of said shaft, said legs having planar inner surfaces displaced 60° from each other, the portion of said frame between said legs having an outer transverse plane surface equiangularly related to the planes of said leg surfaces and located so as to include the line at which said leg surfaces would intersect if projected, and



a plunger shiftably carried by the frame and centrally positioned between said legs, said plunger being shiftable in a path equiangularly displaced from said leg surfaces, and means for locking said plunger in any selected position in said path.

2,548,011
SONIC TEACHER
Loyd T. Frost, Riveredge, N. J.
Application March 15, 1949, Serial No. 81,458
6 Claims. (Cl. 35—35)

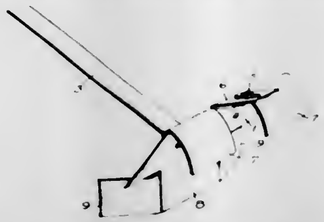


1. In a device of the type for teaching including a continuous sound track and pickup means therefor for self-teaching the sound of a text, an elongated strip carrying the sound track, and said text imprinted on the strip, the sound symbols of the text being superposed over and coextensive with and running concurrently with corresponding sound producing elements of said track so that the sound symbols may be read directly from the text as the sound is produced.

2,548,012
GARDEN TOOL
William G. Frost, Portageville, N. Y.
Application February 15, 1946, Serial No. 647,727
1 Claim. (Cl. 97—66)

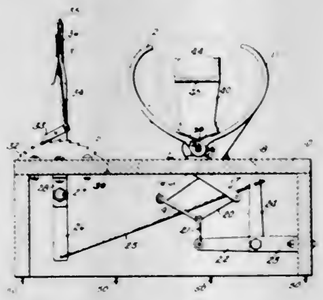
In a cultivating tool of the character described, a plate having side edges and end edges, means on the plate intermediate the side edges and end edges for receiving a handle, a pair of spaced flanges along one end edge of the plate and curving downwardly therefrom with the free ends of the flanges beneath the plate, an arm on said end edge of the plate in the space between the flanges of lesser length than the flanges and inclined downwardly with respect to the plate, a

blade adjustably mounted on the arm for movement toward and away from the said edge of the plate, the free end edge of the plate being inclined downwardly with respect to the plate at the same angle as that of the arm, said last named downwardly inclined portion being provided with opposed slits extending inwardly from the side edges of the plate at the juncture of said



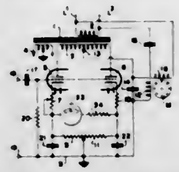
inclined portion to the plate to form end portions adapted to be bent upwardly with respect to the downwardly inclined portion and the said upwardly bent end portions serving to move soil inwardly to cover a furrow, with the downwardly inclined portion between the end portions operative to level the soil and form a trough-like covering for seed deposited in the furrow.

2,548,013
LIVE FOWL HOLDER
Lewis F. Garfield, Reedville, Oreg.
Application September 24, 1948, Serial No. 50,974
2 Claims. (Cl. 119—97)



1. A device of the class described comprising a portable, boxlike support, a pair of broad, curved jaws capable of embracing a fowl therebetween, pivot means supporting said jaws on said support, a lever extension from each of said jaws, said lever extensions being crossed beneath said pivot means and extending into said support, a pair of toggle links, one of said toggle links being pivotally connected to one of said lever extensions for opening and closing said jaws and the other of said toggle links being pivotally connected to the other of said lever extensions, and operating means comprising a connecting link pivotally connected to said toggle links, a manual lever pivotally mounted on said support and extending thereinto, a serrated member adjacent said manual lever, a dog pivotally mounted on said manual lever and engageable with said serrated member, a spring urging said dog into engagement with said serrated member, manual releasing means associated with said manual lever for releasing said dog, and movement translating means within said support and interconnecting said manual lever and said connecting link.

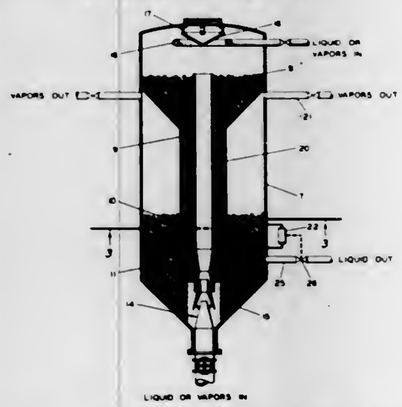
2,548,014
ELECTRONIC MOTOR CONTROL APPARATUS WITH SEPARATE NULL INDICATING DEVICE
Arthur E. Gealt, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 16, 1949, Serial No. 99,408
12 Claims. (Cl. 318—29)



9. In a self-balancing potentiometer instrument comprising a potentiometer circuit including a pair of terminals on which a uni-directional electromotive force to be measured is adapted to be impressed, a source of known uni-directional electromotive force for producing a uni-directional electromotive force in opposition to the uni-directional electromotive force impressed on said terminals, a slide-wire for variably opposing the source of known uni-directional electromotive force to the electromotive force impressed on said terminals, an electronic amplifier having an input circuit controlled by the potentiometer circuit and having an output circuit in which a control voltage differing in one sense or in the opposite sense from a normal value thereof is adapted to be produced in accordance with the state of balance of said potentiometer circuit, a pair of motor drive valves, each of which has an anode, a cathode, and a control grid, and an output circuit including the anode and the cathode of the valve, the output circuits of the two valves including separate current supply connections to the anodes of the two valves and a common current supply connection to the cathodes of the two valves, a motor for operating said slide-wire and having a power winding and a control winding, a current supply connection to said power winding including a capacitor connected in series with said power winding, means connecting said control winding to the output circuits of said valves for operation of said motor in one direction or in the opposite direction when the anode current of one of said valves is respectively larger or smaller than the anode current of the other valve, and a connection from the output circuit of said electronic amplifier to the control grids of the two valves and operating to make one valve more or less conductive than the other when the value of the control voltage differs in one sense or in the opposite sense from the normal value thereof, the improvement comprising a pair of series connected resistors between each of the cathodes of the two valves and said common current supply connection, the resistors of each pair adjacent said common current supply connection having approximately the same resistance and at least one of the other resistors being adjustable to permit variation in its resistance to compensate for such differences in the conductivities of said valves as may exist with a zero control signal applied to the control grids thereof, a separate capacitor connected in parallel to each of said resistors adjacent said common current supply connection, a voltage responsive device connected between the adjacent ends of the resistors of one pair and the adjacent ends of the resistors of the other pair to indicate the state of conduction of

said valves, a standard cell for producing a standard uni-directional electromotive force, standardizing switch means for opposing the electromotive force produced by the source of known electromotive force to the electromotive force produced by the standard cell in lieu of the electromotive force impressed on said terminals to check the known electromotive force, and means operated by said switch means to deenergize said motor for rotation when the standard electromotive force is opposed to the known electromotive force.

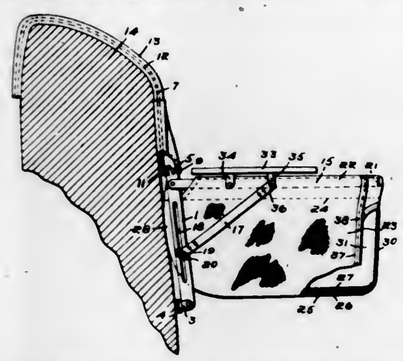
2,548,015
CATALYTIC HYDROGENATION AND APPARATUS THEREFOR
Luke B. Goodson and Jesse A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 19, 1947, Serial No. 775,036
6 Claims. (Cl. 196—78)



5. A method for catalytically reacting at least two fluids together in a confined chamber, which comprises the steps of injecting, under pressure, a mixture of at least two co-reactable fluids through an injection zone and through a transmission zone under such conditions that substantially no reaction takes place therein; passing said admixture of reactable fluids downwardly into a bed of particulate solid catalyst in a reaction zone; chemically reacting said co-reactable materials in the presence of said catalyst in said reaction zone; passing resulting reaction products and unreacted materials from said reaction zone into a collection zone containing additional said catalyst; separating vaporous materials from liquid materials in said collection zone; removing said vaporous materials from said collection zone and said chamber; maintaining a body of said liquid material in contact with said catalyst in said collection zone; and admixing with said injected co-reactable fluids in said injection zone a portion of said liquid materials from said collection zone.

2,548,016
SUSPENSIBLE CHILD'S CHAIR
Abraham G. Goldberg, Chestnut Hill, Mass.
Application July 13, 1949, Serial No. 104,469
5 Claims. (Cl. 155—79)

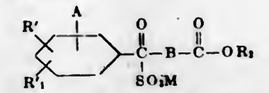
2. A collapsible suspensible chair for a child comprising a frame having vertical parallel legs provided with longitudinal slots and also provided at their upper ends with inwardly extending flanges, a spacing bar connecting the lower end portions of said legs, an upwardly extending suspension member pivotally mounted on the flange of each leg to rotate about a vertical axis and provided with a hook-shaped upper end portion adapted when swung rearwardly to embrace a suitable support such as the top edge of the back of a vehicle seat, a U-shaped child-confining member having parallel side bars connected by a bridge portion, means pivotally connecting the free ends of said side bars to said legs in proximity to the flanges thereof, braces pivotally connected at their upper ends to said side bars intermediate of the length thereof, bolts in the lower ends of said braces passing through the slots in the respective legs and provided with clamping nuts adapted selectively to hold the



child-confining member in horizontal position or in collapsed position parallel to said legs, a seat member of strong flexible material having two side sections connected at their lower edges by a seat section, the upper edge of said side sections being mounted on the side bars, said seat member also having a vertically extending back section which extends above the side bars and has its upper end portion secured to the lower ends of the suspension members, said seat member further having a vertically extending front section provided with apertures for the legs of a child occupying the chair, the upper edge portion of the front section being secured to the bridge portion of the U-shaped child-confining member.

2,548,017
SULFONIC ACID SURFACE ACTIVE AGENT AND METHOD OF PREPARATION
Glen W. Hedrick, Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 12, 1948, Serial No. 54,207
11 Claims. (Cl. 260—470)

1. As a surface active agent possessing marked wetting properties, a water soluble salt of a benzoyl sulpho propionic acid ester corresponding to the formula:



where R_1 is selected from the group consisting of hydrogen, phenyl, cyclohexyl, and alkyl groups containing from 1 to 9 carbon atoms; where R'_1 is selected from the group consisting of hydrogen and alkyl groups containing from 1 to 9 carbon atoms when R_1 is selected from the group con-

sisting of hydrogen and said alkyl groups, and where R'1 is hydrogen when R1 is selected from the group consisting of phenyl and cyclohexyl radicals; where A is selected from the group consisting of hydrogen and chlorine when R'1 is hydrogen, and is hydrogen when R'1 is said alkyl group; where R2 is selected from the group consisting of alkyl groups containing from 1 to 9 carbon atoms, phenethyl, methylcyclohexyl and cyclohexyl groups; where B is an ethylene group; where M is a cation providing water solubility to the product; and where the total number of carbon atoms of R2 plus carbon atoms in R1 and R'1 is at least 8 but not more than 16.

2,548,018

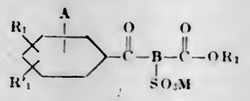
SULFONIC ACID SURFACE ACTIVE AGENT AND METHOD OF PREPARATION

Glen W. Hedrick, Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application October 12, 1948, Serial No. 54,208

11 Claims. (Cl. 260—470)

1. As a surface active agent possessing marked detergent properties, the water soluble salts of the benzoyl sulpho propionic acid esters corresponding to the following formula:



where R1 is selected from the group consisting of hydrogen and alkyl groups containing from 1 to 6 carbon atoms; where R'1 is selected from the group consisting of hydrogen and a methyl group; where A is selected from the group consisting of hydrogen and chlorine when R1 is as stated and R'1 is hydrogen, otherwise A is hydrogen; where B is an ethylene group; where R2 is an alkyl group containing from 10 to 16 carbon atoms; where M is a cation providing water solubility to the product; and where the total number of carbon atoms of R2 plus carbon atoms in substituted alkyl groups on the phenyl nucleus is at least 10 but not more than 16.

2,548,019

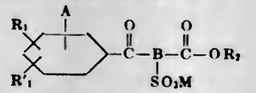
SULFONIC ACID SURFACE ACTIVE AGENT AND METHOD OF PREPARATION

Glen W. Hedrick, Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application October 12, 1948, Serial No. 54,209

11 Claims. (Cl. 260—470)

1. As a surface active agent possessing marked detergent properties, the water-soluble salts of the benzoyl sulpho propionic acid esters corresponding to the following formula:



where R1 is an alkyl group containing from 10 to 15 carbon atoms; where R'1 is selected from the group consisting of hydrogen and a methyl group; where A is selected from the group consisting of hydrogen and a chlorine atom when R1 is as stated and R'1 is hydrogen, otherwise A is hydrogen; where B is an ethylene group; where R2 is an alkyl group containing from 1 to 6 carbon atoms; where M is a cation providing water-solubility to the product; and where the total number of carbon atoms of R2 plus carbon atoms in substituted alkyl groups on the phenyl nucleus is at least 10 but not more than 16.

2,548,020

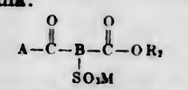
SULFONIC ACID SURFACE ACTIVE AGENT AND METHOD OF PREPARATION

Glen W. Hedrick, Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application October 12, 1948, Serial No. 54,210

12 Claims. (Cl. 260—470)

1. As a surface active agent possessing marked wetting properties, a water soluble salt of an aroyl sulpho propionic acid ester corresponding to the following formula:



where A is a polycyclic condensed ring system selected from the group consisting of naphthyl, monochlornaphthyl, monoalkylnaphthyl, the alkyl group of which contains from 1 to 11 carbon atoms, monochlormethylnaphthyl, dialkylnaphthyl, the alkyl groups of which contain no more than 10 carbon atoms, tetrahydronaphthyl, acenaphthyl and fluorenyl; where B is an ethylene group; where R2 is an alkyl group containing from 1 to 12 carbon atoms; where M is a cation providing water solubility to the product; and where the total number of carbon atoms of R2 plus carbon atoms in a substituted alkyl group or groups in A is at least 4 but not more than 12.

2,548,021

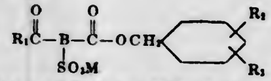
SULFONIC ACID SURFACE ACTIVE AGENT AND METHOD OF PREPARATION

Glen W. Hedrick, Glen Ellyn, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application February 24, 1949, Serial No. 78,227

12 Claims. (Cl. 260—470)

1. As a surface-active agent possessing marked wetting properties, a water-soluble salt of an aroyl sulpho propionic acid ester corresponding to the formula:



where R1 is an aryl group selected from the group consisting of phenyl; monochlorophenyl; monoalkyl phenyl and monoalkyl monochlorophenyl, the alkyl groups of which contain from 1 to 9 carbon atoms; monoalkyl tolyl, the alkyl group of which contains from 1 to 8 carbon atoms; phenyl phenyl; phenyl chlorphenyl; cyclohexyl phenyl; cyclohexyl chlorphenyl; naphthyl; monochloronaphthyl; methyl naphthyl and tetrahydronaphthyl; where R2 is selected from the group consisting of hydrogen and alkyl groups containing from 1 to 5 carbon atoms; where R3 is selected from the group consisting of hydrogen and alkyl groups containing not more than 2 carbon atoms; the total number of carbon atoms in R2 plus R3 being no more than 5 and the total number of carbon atoms in R2 plus R3 plus any alkyl group on the aryl nucleus, R1, being no more than 10, where B is an ethylene group, and wherein M is a cation providing water-solubility to the product.

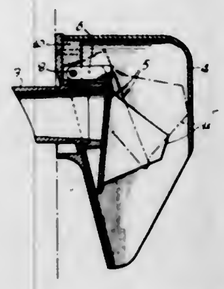
2,548,022

DISCHARGE CHUTE AND COMBINED VALVE AND AGITATOR ACTUATED BY MATERIAL BEING DISPENSED

Frank J. Hirsch, Philadelphia, Pa., assignor to The Enterprise Manufacturing Co. of Pa., Philadelphia, Pa., a corporation of Pennsylvania

Application October 10, 1949, Serial No. 120,497

4 Claims. (Cl. 222—196)



1. In a mill having a discharge chute through which finely ground material is discharged into a downwardly opening hood member which surrounds the chute outlet and operates to deflect and direct the discharged ground material downwardly, a valve closure for the chute outlet, means eccentrically pivoting the valve closure for swinging movement toward and away from the chute outlet and unbalancing the member to chute closing position when the mill is idle, said eccentric mounting of the valve member being relatively loose and providing limited lateral rocking movement thereof relative to the chute, and the valve member being engaged by the ground material discharge from the chute and actuated thereby in lateral rocking and confronting swinging movements to generate vibrations in the hood and effect dislodgement of particles of the ground material which collect upon the interior surface.

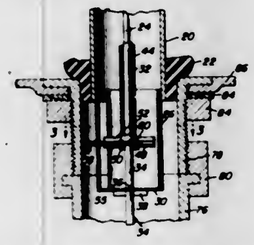
2,548,023

DRAIN OPENER

Joseph B. Hord, Maxton, N. C.

Application January 20, 1950, Serial No. 139,651

4 Claims. (Cl. 285—44)



1. A drain pipe opener comprising a conduit for connection to a source of pressurized fluid, a hollow cylinder connected to the conduit, a deformable resilient member on said cylinder adapted to seat within the mouth of a drain pipe, a rod extending through said cylinder, clamp means to fasten one end of the rod within said drain pipe, and means for shifting said cylinder longitudinally relative to the rod to force said deformable member into sealing engagement in the mouth of the drain pipe, said clamp means including a tubular shaft extending coaxially through said cylinder, a plate on one end of the tubular shaft, opposing jaws slidably mounted on said plate and extensible for engagement with the drain pipe, opposing racks on said jaws, a pinion fixed to said tubular shaft and engaged with both said racks, and means to limit the axial movement of the rod in one direction relative to said plate.

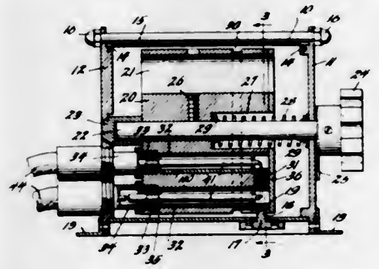
2,548,024

ATTENUATOR

Arnold J. Hyatt, Richmond Hill, N. Y., assignor to A. F. Smuckler & Co., Inc., Brooklyn, N. Y., a corporation of New York

Application December 2, 1949, Serial No. 130,791

1 Claim. (Cl. 178—44)



A shielded attenuator comprising a metal housing, a metal turret disposed within the housing, the turret having a series of parallel passages, co-axial resistor conductors disposed in said passages, co-axial conductors mounted on one end of said turret and connecting adjacent resistor conductors in pairs, a connector carried by the other end of each resistor, a pair of fixed connectors carried by the housing for separable and selective connection with any desired pair of said first mentioned connectors, and means for moving said turret into selective engagement between said pair of fixed connectors and a selected pair of resistor connectors.

2,548,025

METHOD FOR THE PRODUCTION OF DI-ESTERS OF SUCCINIC ACID

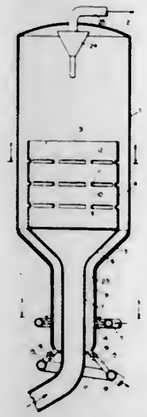
Wilford Donald Jones, Summit, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 22, 1948, Serial No. 56,059

4 Claims. (Cl. 260—485)

3. In a process for the production of the diesters of succinic acid, the steps which comprise adding a mixture of water and an acid to a mixture of succinonitrile and an alcohol, the molar quantity of water being at least about two times the molar quantity of succinonitrile, the molar quantity of acid, calculated as a dibasic acid, being between about two and three times the molar quantity of succinonitrile, and the molar quantity of alcohol being about two times the molar quantity of succinonitrile, and adding up to two mols of an additional quantity of alcohol to the reaction mixture in an amount at least sufficient to replace the alcohol which has been converted to an ether.

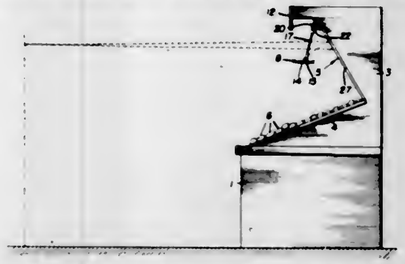
2,548,026
APPARATUS FOR PYROLYTIC CONVERSION OF HYDROCARBONS
Orin Gordon Kaasa, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 27, 1947, Serial No. 757,656
1 Claim. (Cl. 23—288)



Apparatus of the character described comprising a vertically elongated chamber of relatively large transverse area, a leg of substantially reduced transverse area extending downwardly from the lower end of said chamber, an inner chamber and a depending leg of reduced transverse area coaxially positioned within the first said chamber and within the leg extending downwardly therefrom, respectively, the inner chamber being in open communication at its upper end with the outer chamber and the walls of the inner chamber being perforated substantially uniformly about its periphery, the lower portion of the inner chamber being separated from the depending leg by a distributing grid, an outlet for the discharge of vapors from the upper portion of the outer chamber, an outlet for the discharge of catalyst from the lower end of the outer leg, an inlet for introduction of a fluid suspension into the lower end of the inner leg, a plurality of radially spaced, substantially vertically extending dividers in the annular space surrounding the inner leg, forming a plurality of substantially vertical passageways and an inlet adapted to the injection of a gaseous stripping medium into each of said passageways at a zone near the lower end thereof.

2,548,027
CARD HOLDER FOR DISPLAY FIXTURES
Wade A. Kincaid, Navy Yard, S. C.
Application December 20, 1946, Serial No. 717,417
2 Claims. (Cl. 40—125)

1. In combination with a produce display bin, having a forwardly and downwardly inclined table and a mirror which extends upwardly and outwardly from the rear portion of the table so as to angularly overlie the table, a card holder assembly for adjustably holding a price tag so that the same is reflectable in the mirror, comprising a bracket plate having a vertical guideway attached to the upper portion of the mirror, a complementary bracket plate seated in said guideway, a projecting ear on said complementary plate, a supporting arm pivoted at one end on said ear, means for locking said arm in desired positions, a card holder pivotally supported on the other end of the arm, means formed on the holder for detachably receiving a price tag, having its figure inscribed in reverse so that the figures are reflected in an upright manner in the mirror.



2,548,028
CIRCUIT FOR TIMING DEVICES
William C. Klammer, Mankato, Minn., assignor to Automatic Electric Manufacturing Company, Mankato, Minn., a corporation of Minnesota
Application September 24, 1949, Serial No. 117,705
2 Claims. (Cl. 171—97)



2. In a circuit for controlling an electrically powered device, means for connecting said device to a source of electrical energy, said means including a manually closed power opened timer switch and an electric motor for said timer switch, said switch, motor, and electrically powered device being connected in series, and a manually operated control switch in series with said power operated device and in parallel with said timer switch and said motor, whereby said timer switch and motor may be shunted out of controlling relationship with said device, said timer switch and motor being remote from the electrically powered device.

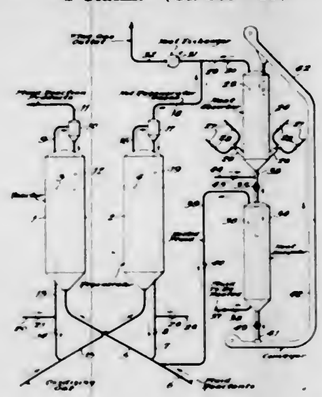
2,548,029
PLASTIC COATED ROOFING
Gerald T. Kurtz, Piedmont, and Frank O. Groch, Jr., Berkeley, Calif., assignors to Pabco Products Inc., a corporation of Delaware
Application January 3, 1947, Serial No. 719,968
5 Claims. (Cl. 117—30)

5. Roofing material comprising a fibrous base saturated with bituminous material, a bituminous coating over said base, and a decorative coating of homogeneous plastic flakes adhesively united to said bituminous coating in overlapping relationship the plastic being selected from the group consisting of polystyrene, polymethyl-methacrylate, polymethyl acrylate, polyparachlorostyrene, polyvinyl chloride, polyethylene, and diallyl phthalate plastics, the flakes being individually colored uniformly throughout whereby the color will remain substantially fast as the flakes are subjected to weathering; said flakes having a thickness of about one-thousandth (0.001) to



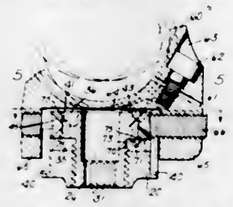
fifty one-thousandths (0.050) of an inch, to give flexibility to the flakes to enable them to overlap and become adhesively embedded in the bituminous coating to produce substantially complete coverage, said flakes being of a size to substantially pass a four (4) mesh screen and be retained on a sixty-five (65) mesh screen; and the amount of said flakes on said roofing material being about two (2) to five (5) pounds per one hundred (100) square feet of the material.

2,548,030
APPARATUS FOR HEATING FLUIDS TO HIGH TEMPERATURES
Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 13, 1947, Serial No. 734,396
1 Claim. (Cl. 263—19)



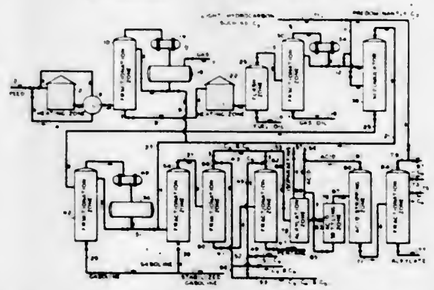
Apparatus for heating fluids to high temperatures which comprises in combination an upper heat absorption chamber disposed in vertical alignment with a lower heat dissipating chamber, an elongated down-stream passageway connecting the bottom of said upper chamber with the top of said lower chamber and having a substantially more restricted cross-section than said chambers, an up-stream passageway connecting the bottom of said lower chamber with the upper portion of said upper chamber and being adapted to circulate granular particles of solid heat retentive material from the bottom of the lower chamber to the upper portion of the upper chamber, each of said chambers being substantially free of internal obstructions along at least the major portion of its height, whereby to permit a compact bed of granular heat retentive material to travel from a level in the upper portion of each chamber downwardly through at least a major portion thereof in an unobstructed path of substantially the same cross-section as that of the respective chamber, combustion chambers adjacent to the lower periphery of said upper chamber and in open communication with this upper chamber, means for supplying fuel and oxygen for combustion to said combustion chambers, an outlet for combustion gases at the upper portion of the upper chamber, an inlet for supplying fluid to be heated at the lower portion of the lower chamber, an outlet for heated fluid at the top portion of said lower chamber, and an inlet at said down-stream passageway for supplying a stripping fluid thereto, said down-stream passageway extending downwardly into the upper portion of the lower chamber to below the level of said outlet for heated fluid.

2,548,031
TELESCOPE MOUNT WITH SNAP RINGS
Marcus Leupold, Portland, Oreg., assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg., a corporation of Oregon
Application July 2, 1948, Serial No. 36,695
17 Claims. (Cl. 33—50)



1. A telescope mount for a rifle or the like, comprising a base, a member threadedly mounted on said base so as to be adjustable toward and away from said base upon rotation, said member having an annular, peripheral recess therein lying in a plane normal to its axis of rotation, a resilient, split ring retained in said recess, a telescope clamp, and a pair of horizontally disposed, coaxially aligned, opposedly directed screws threadedly mounted in said telescope clamp and pivotally engaging diametrically opposed portions of said ring.

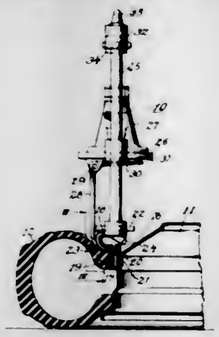
2,548,032
PROCESS FOR INCREASED OLEFIN RECOVERY IN A PETROLEUM REFINERY
Donald M. Little, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 25, 1948, Serial No. 56,453
6 Claims. (Cl. 260—683.4)



1. An improved process for recovering C_3, C_4 and C_5 olefins from a mixture of hydrocarbons

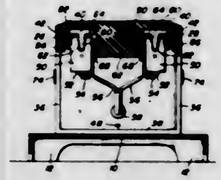
containing the same in admixture with other hydrocarbons, said mixture being a thermally cracked straight run naphtha fraction, which comprises passing said mixture to a first fractionation zone operating under a pressure of from 300 to 360 pounds per square inch gauge with a top temperature of from 190° F. to 230° F., withdrawing overhead from said first fractionation zone a hydrocarbon fraction comprised predominantly of C_2, C_3 and C_4 hydrocarbons, withdrawing a hydrocarbon fraction as bottoms from said first fractionation zone, passing said withdrawn bottoms to a second fractionation zone operating under a pressure of from 50 to 70 pounds per square inch gauge and with a top temperature of from 375° F. to 450° F., withdrawing overhead from said second fractionation zone a gaseous hydrocarbon fraction, at least partially condensing same and introducing into a portion of same a hydrocarbon fraction comprised predominantly of C_3 hydrocarbons, passing a resulting hydrocarbon mixture into an accumulation zone operating under a pressure of from 8 to 16 pounds per square inch gauge and at a temperature of from 80° F. to 120° F., withdrawing a gaseous hydrocarbon fraction overhead from said accumulation zone, withdrawing a liquid hydrocarbon fraction from the bottom portion of said accumulation zone and passing same to a third fractionation zone operating under a pressure of from 5 to 13 pounds per square inch absolute and at a top temperature of from 140° F. to 180° F., withdrawing a hydrocarbon fraction overhead from said third fractionation zone, passing said hydrocarbon fractions, withdrawn overhead from said first fractionation zone, said accumulation zone and said third fractionation zone, to a fourth fractionation zone and recovering therefrom C_3, C_4 and C_5 olefins.

2,548,033
AXIALLY SHIFTING TYPE JACK OPERATED TIRE REMOVING DEVICE
Glenn B. Madden, San Francisco, Calif.
Application April 28, 1947, Serial No. 744,335
2 Claims. (Cl. 157—1.17)



1. In a tire removing tool for unseating the bead of a wide base tire from a wheel having a removable rim, the combination of a rim engaging member having spaced rim encircling clips with integrally formed wheel engaging portions adapted to be positioned at a point upon the wheel with its clips encircling a portion of the removable rim, a yoke-like member adapted to be supported by said rim engaging member and extend outwardly at a right angle to the plane of the wheel and tire, a base forming member movably mounted upon said yoke-like member, an arm pivotally mounted upon said base forming member at one side of the center of said yoke-like member having its outer end extended inwardly to engage with the bead of a tire within the radial limits of said removable rim, and a pressure exerting means carried by said base forming member and engaging the outer end of said yoke-like member adapted when operated to exert a force through said pivotally mounted arm and against the wall of said tire at its point of engagement with said rim while said rim is held against movement relative to said wheel by the rim encircling and the integrally formed wheel engaging portions of said rim engaging member.

2,548,034
ELECTRICAL KITCHEN APPLIANCE
Stephen C. Major, Woodstock, N. Y.
Application February 17, 1948, Serial No. 8,842
8 Claims. (Cl. 219—35)



2. An electrical kitchen appliance comprising a base having legs for supporting the same in an elevated position, a baking chamber removably carried by said base, a removable closure frictionally carried by said chamber having pressure outlet openings, electrode plates carried by said chamber, a housing, electrical contact units carried by said housing, means removably securing said housing to said baking chamber, and means carried by said closure for actuating said contact units to pass electric current through a dough mass in said chamber, said contact units being deactuated upon removal of the closure from the baking chamber.

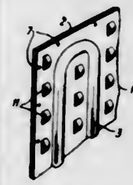
2,548,035
HOLLOW WARE ARTICLE
Hugh Vernon Horace May, Stratford, London, England
Application June 21, 1946, Serial No. 678,423
In Great Britain July 11, 1945
1 Claim. (Cl. 220—69)



The combination comprising a hollow-ware article having a recessed base, a heat-insulating ring member fitting into and projecting below said recess and having a corrugated base, and a spring ring engaging the interior surface of said member and forcing said member against a surface of said recess.

2,548,036
RADIANT PANEL HEATING FOR BUILDINGS
Edward A. Milborn, Baldwin, N. Y.
Application September 5, 1946, Serial No. 694,955
1 Claim. (Cl. 257—124)

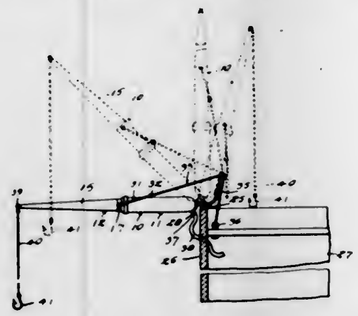
For use in a radiant heating system, a panel designed for concealed use behind a wall, floor or ceiling of a room, said panel comprising a pair of plates firmly joined together in fluid tight relation, at least one of said plates being deformed to produce a network of intercommunicating conduits, one of said plates having punched out straps integral therewith at both ends for supporting on said one plate in direct contact with the entire outer surface thereof a layer of plaster, said straps having hollow spaces between said ends to enable said plaster to enter therein while in a plastic state.



2,548,037
PROCESS OF RECOVERING LITHIUM VALUES FROM DILITHIUM SODIUM PHOSPHATE
Leonard John Minnick, Cheltenham, and Charles Raymond Brown, Llanerch, Pa., assignors to G. and W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Application April 30, 1946, Serial No. 666,187
8 Claims. (Cl. 23—33)

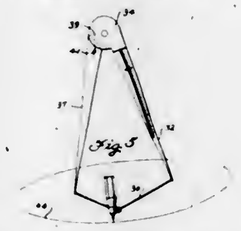
1. The steps in the process of recovering lithium values from dilithium sodium phosphate which comprise subjecting, in an aqueous medium, said dilithium sodium phosphate and a hydroxide possessing solubility in said aqueous medium, the metal of which is in the polyvalent state, to a temperature above 212° F. and a pressure above atmospheric to produce a lithium-containing phosphate, substantially insoluble in said aqueous medium, in which the sodium of said dilithium sodium phosphate has been replaced by the metal of said hydroxide reacted therewith, and sodium hydroxide; and separating said insoluble lithium-containing phosphate from the solution of the sodium hydroxide.

2,548,038
FLUID PRESSURE ACTUATED LIFTING APPARATUS
Anthony Moliskey, San Pedro, Calif., assignor to Leona N. Moliskey and Paul Major
Application October 24, 1947, Serial No. 781,993
1 Claim. (Cl. 212—8)



A hoisting and conveying apparatus comprising an elongated hollow member formed of telescoping tubular sections defining a closed chamber and including an inner section and an outer extensible section, means for pivotally mounting said member adjacent an end of said inner section on a supporting structure, an arm fixed to and projecting from the pivoted end of the member and disposed at an angle thereto and extending in an upward direction when said member is disposed in substantially a horizontal plane, a cable having one end anchored to the supporting structure and its opposite end secured to the outer extensible section, said arm having an eye at its free end through which an intermediate portion of the cable slidably extends, means for connecting a load to be lifted to the outer end of said outer extensible section, and means for supplying a compressed medium to said chamber for extending the outer extensible section of said member and, in cooperation with said cable and arm, for causing the member to be swung upwardly on its pivot to beyond an upright position.

2,548,039
ELLIPSE COMPASS
William C. Morgan, New York, N. Y.
Application August 2, 1946, Serial No. 688,104
1 Claim. (Cl. 33—30)



An ellipsograph including a pair of members pivotally connected together at their upper ends, one of said members having a pointed lower end, the other of said members including a detachable portion having a pointed lower end, said detachable portion also having a linear scale marked thereon, a movable indicator mounted on said detachable portion to cooperate with said linear scale, a cord attached to one of said pointed ends, means on said other pointed end for adjustably securing said cord thereto, a pencil holder slidably connected to the cord, said linear scale having calibrations from which the length of the major axis of an ellipse can be determined by measurement of the length of said cord when said pointed ends are closed against each other, said movable indicator serving to record such measurement for future use, one of said pivoted members having a circular scale disposed about its pivot point as a center, the other pivoted member having an index marked thereon adapted to cooperate with said circular scale to read the angular adjustment of said pivoted members relative to each other.

2,548,040
COMBINATION DRAFT WINDOW AND SCREEN
Albert Howard Morse, Beverly, Mass.
Application March 18, 1948, Serial No. 15,697
1 Claim. (Cl. 160—25)

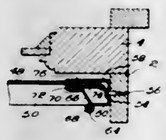
In a closure for the inner surfaces of window frames, the combination which comprises a sheet of substantially transparent material the width and length of which corresponds substantially

with corresponding dimensions of the window frame, a roller on which the said sheet of material is carried, means rotatably mounting the said roller on the inner surface of the upper end of the window frame, continuous hinged track elements, mounted on the opposite sides of the window frame and extended from the lower to the upper end thereof, resilient means urging the said track elements together to frictionally grip the edges of the said sheet of material with the



said edges of the sheet of material positioned in the track elements, a bar carried by the lower edge of the said sheet of material, sealing means on the lower surface of the bar carried by the lower edge of the said sheet of material, and keys at the ends of the bar carried by the lower end of the said sheet of material adapted to be rotated for locking engagement with the lower end of the track elements to retain the said sheet of transparent material in the position of sealing the window opening.

2,548,041
WINDOW APPLIANCE
Albert H. Morse, Beverly, Mass.
Application March 10, 1949, Serial No. 80,689
1 Claim. (Cl. 160—23)



A window attachment comprising a housing, means supporting the housing in a window frame, a shade roller in the housing, window covering material on the roller, a vertical guide plate on the window frame, and a hinged pressure plate having a pressure foot formed thereon and a sealing strip on the foot which is adapted to bear against the material to seal the same against the guide plate.

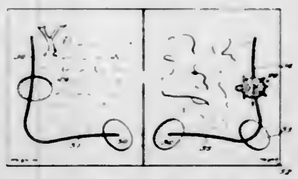
2,548,042
ELECTRIC SEMIAUTOMATIC DOOR OPERATOR
Kenneth L. Mosher, Riceville, Iowa
Application September 26, 1947, Serial No. 776,181
3 Claims. (Cl. 160—193)

1. In a folding door for support within a door frame, a vertically disposed header section adapted to be secured between the sides of said door frame contiguous to the upper end thereof, a first vertically disposed door section positioned in end to end relation with respect to the lower end of said header section and having one end pivotally connected to the latter on an axis transverse of and exteriorly of said header section for swinging movement toward and away from the exterior face of said header section, a second vertically disposed door section positioned in end to end relation with respect to the other end of said first door section and having one end pivotally connected to the latter on an axis transverse of and interiorly of said first door section for swinging movement toward and away from the interior face of said first door section, a shaft arranged



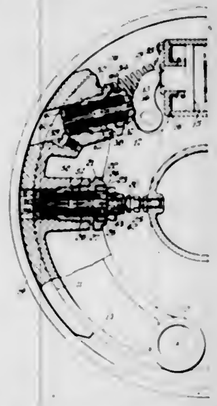
in spaced parallel relation above said transverse axes and mounted on said header section for rotary movement, a pulley carried on said shaft, flexible means having one end trained about said pulley in one direction and secured thereto and having its other end secured to the other end of said second door section, another pulley spaced from said first named pulley and secured to said shaft, another flexible means having one end trained about said last named pulley in a direction opposite to said first named flexible means and secured to said last named pulley, said last named flexible means extending through said header section and having its other end secured to said first door section, and power means operatively connected to said shaft for effecting the rotary movement of the latter.

2,548,043
CHILD'S BOOK
Fritz Muhlhauser, Chicago, Ill.
Application May 29, 1948, Serial No. 30,140
3 Claims. (Cl. 281—42)



3. A book comprising a plurality of leaves, each having a slot cut therein and spaced from the marginal edges of the leaf with the slots of succeeding leaves being of progressively increased length and with the slot of one leaf being alined with the slot of a succeeding leaf, each of said leaves having a cut-out connecting with the end of the slot therein, said cut-outs being out of registration with each other and being so disposed that the cut-outs of succeeding leaves are spaced at progressively increased distances from the beginning ends of said slots, and a movable element supported on a member movably longitudinally in said slots and in superposed relation to the top leaf of said book, said element having a size smaller than any of said cut-outs so as to pass therethru, said element being movable into registration with the cut-out of the top leaf so that said leaf may be lifted or turned.

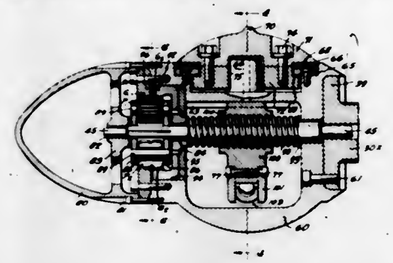
2,548,044
BRAKE ADJUSTING DEVICE
Fred Neale, Coventry, England
Application April 23, 1947, Serial No. 743,251
In Great Britain February 22, 1946
3 Claims. (Cl. 188—79.5)



1. A brake adjusting device of the character described comprising in combination a housing member, a plunger extending within said housing member and having a screwed portion engaging a cooperating screwed portion in said housing member, an operative end of said plunger extending from said housing member, a coil spring within said plunger, a sleeve disposed within the said spring and secured thereto at one end thereof, said sleeve having a non-circular hole at said end, a non-circular portion of the plunger being received in said hole, a second sleeve telescopic with respect to said first sleeve and secured at one end to the other end of said spring, said end of said second sleeve having a non-circular hole therein, and a cap screwing onto said housing and having a non-circular portion engaging the non-circular hole in said second sleeve for securing the spring and sleeve assembly in position and for winding up the said spring to exert a rotational force on the plunger.

2,548,045
AMPLITORQUE CONTROLLABLE PITCH PROPELLER
Harry J. Nichols, New York, N. Y.
Application August 20, 1945, Serial No. 611,481
15 Claims. (Cl. 170—160.3)

1. In combination with a variable pitch propeller having a hollow propeller shaft, a hollow hub fixed thereon, and a plurality of axially rotatable blades mounted on said hub, of mechanism operatively mounted substantially within said hub for rotating said blades axially in unison to vary their pitch comprising, a power screw-jack including a hollow rotary driving screw and a translatory non-rotatable driven nut-member mounted coaxially with respect to each other and said hub, means adapted to convert translatory motion of said driven member to axial rotary motion of said blades for operatively connecting said nut-member to rotate said blades axially in unison, torque amplifying differential gearing mounted coaxially in said hub and op-



eratively connected to rotate the driving screw of said power jack, and means including a torque shaft passing coaxially through said driving screw for applying driving torque to said differential gearing.

2,548,046
LATCHING DEVICE
Ralph K. Nottingham, Portland, Oreg., assignor, by mesne assignments, to Phillips Tutch Latch Co., New York, N. Y., a corporation of Delaware
Application August 12, 1946, Serial No. 689,887
9 Claims. (Cl. 292—341.17)



5. In a latching device for cooperating fixed and movable members normally biased apart at least when in close proximity to each other, said members being movable toward each other to a limit position, said device comprising a latch stationarily carried by one of said members, a keeper pivotally carried by the other of said members, said keeper being actuated to an operative position by said latch upon a first movement of said members together, said keeper including a shoulder for engaging and restraining said latch in said operative position against withdrawal, said keeper including stop means for maintaining said keeper in said operative position in event of movement of said members past said operative position to said limit position during said first movement, said stop means being spaced from said shoulder whereby upon a subsequent movement of said members from said latched position toward said limit position, said latch may pass between said shoulder and said stop means to permit pivotal movement of said keeper to an inoperative position and separation of said members.

2,548,047
RED LEAD AND METHOD OF PRODUCING SAME
Charles Herbert Olsen, Stanmore, New South Wales, Australia, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 21, 1949, Serial No. 117,079. In Australia September 27, 1948
2 Claims. (Cl. 260—766)

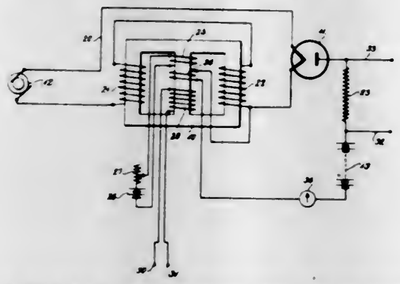
1. An improved red lead product, suitable for immediate use by incorporation into paint com-

positions and which will keep in good condition for several years when stored in hermetically sealed containers comprising a smooth, homogeneous paste consisting essentially of red lead particles which are coated with a thin layer of depolymerized rubber dissolved in a hydrocarbon solvent, said product being produced by forming an aqueous dispersion of red lead in the proportion of about 100 lbs. of red lead in powder form for each 1.5 gal. of water and adding thereto depolymerized rubber produced by masticating crepe rubber with about 2.5% by weight of a linoleate selected from the group consisting of cobalt and lead linoleates and dissolving said rubber product in an approximately equal amount by weight of a hydrocarbon solvent.

2,548,048
ZINC PASTE
Charles Herbert Olsen, Stanmore, New South Wales, Australia, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 21, 1949, Serial No. 117,080. In Australia September 27, 1948
4 Claims. (Cl. 260—766)

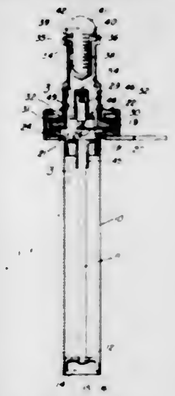
1. An improved zinc product, suitable for immediate use by incorporation into paint compositions and which will keep in good condition for several years when stored in hermetically sealed containers comprising a smooth homogeneous paste consisting essentially of finely divided zinc particles which are coated with a thin layer of depolymerized rubber dissolved in a hydrocarbon solvent, said product being produced by intimately mixing together finely divided zinc in the proportions of about 100 lbs. of dry zinc with about 1⅛ gallons of depolymerized rubber produced by masticating crepe rubber with about 2.5% by weight of a linoleate selected from the group consisting of cobalt and lead linoleates, dissolving said rubber product in an approximately equal amount by weight of a hydrocarbon solvent and adding thereto about 1 lb. of aluminum stearate.

2,548,049
MAGNETIC AMPLIFIER
Robert W. Olson, Dallas, Tex., assignor to Geophysical Service, Inc., Dallas, Tex., a corporation of Delaware
Application July 10, 1948, Serial No. 38,102
7 Claims. (Cl. 179—171)



1. A device of the type described that comprises a source of alternating current, a saturable core inductance and a thermionic tube, the heating element of the thermionic tube, the inductance and the source of alternating current being connected in series; a conductor coil positioned so as to induce magnetic flux in said saturable core, a source of direct current potential and a current indicator connected in series therewith between the plate of said thermionic tube and the cathode of said tube; a second conductor coil also positioned so as to produce flux in said saturable core, and means to supply a constant current to this coil; and a third conductor coil also positioned so as to induce flux in said saturable core and connections for passing a current to be amplified through this third coil.

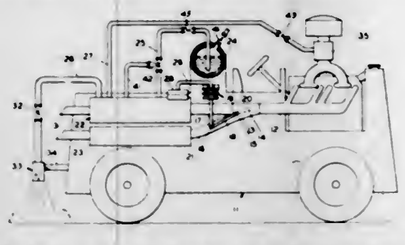
2,548,050
THERMAL SWITCH
Malcolm K. Parkhurst, New York, N. Y., assignor to Control Products, Inc., Harrison, N. J., a corporation of New Jersey
Application September 28, 1949, Serial No. 118,439
3 Claims. (Cl. 200—137)



1. In a thermal switch, for use as a fire detector or the like, of the type having a rod and concentric tube of different thermal coefficients of expansion connected at their outer ends and having a two-part housing attached to the inner end of the tube, said housing comprising a body and a cap; a fixed electrical contact member rigidly supported in said body and insulated therefrom and having an integral resilient tongue portion extending over the end of said rod, the inner end of said rod having a head provided with an aperture into which said tongue extends, said head having a threaded sleeve, a threaded electrical contact adjustably positioned in said sleeve and adapted to engage said tongue, said head being slidably supported in said housing, said cap being in electrical engagement with said fixed contact and having a bore in alignment with said sleeve through which said threaded electrical contact can initially be adjusted, and a terminal plug forming a closure for said bore and hermetically sealed therein.

2,548,051
MOBILE VAPORIZER SYSTEM
Alvin W. Peck, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 29, 1945, Serial No. 638,405
6 Claims. (Cl. 126—271.2)

1. In a system having a liquefied petroleum gas storage tank, a separate liquefied petroleum gas vaporizer assembly having an internal combustion engine type muffler with an engine exhaust gas inlet and an exhaust gas outlet; a jacket surrounding said muffler and forming an enclosed space therebetween, a liquefied petroleum gas conduit communicating between said storage tank and said enclosed space, a flow control valve situated in said liquefied petroleum gas conduit and actuated by pressure within said enclosed space, a gas outlet tube from said enclosed



space, said engine exhaust gas inlet comprising a tube adapted for communication with an engine exhaust manifold pipe and having a side opening, and means for opening said side opening and closing said exhaust gas inlet and opening said exhaust gas inlet and closing said side opening to alternatively divert the gases from said muffler.

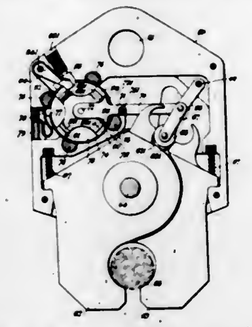
2,548,052
SHUTTLE TIP CONNECTION MEANS
Joseph R. Phaneuf and David A. Tebo, Southbridge, Mass.
Application June 25, 1947, Serial No. 756,830
11 Claims. (Cl. 139—196)



1. Means for connecting a protective end member to a shuttle, said means comprising an outer and an inner sleeve portion in substantially concentric relation and joined adjacent one end thereof by an integral web, the opposed ends of said sleeve portions being provided with oppositely angled bevels, with the bevel on the outer sleeve portion extending in an outward direction and the bevel on the inner sleeve portion extending in an inward direction.

2,548,053
BOMB SLIP, TOWING GEAR, AND ANALOGOUS RELEASABLE ATTACHMENT
Reginald Kirshaw Pierson and Reginald Arthur Firman, Weybridge, England, assignors to Vickers-Armstrongs Limited, London, England
Application July 30, 1947, Serial No. 764,800
In Great Britain October 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 20, 1962
7 Claims. (Cl. 74—96)

1. A tripping mechanism for a releasable attachment of the type referred to, comprising a toggle mechanism, a rotary armature carrying a projecting abutment which, when the armature rotates, impinges upon and imparts a lateral blow to the toggle mechanism, electro-magnetic means for rotating the armature, and means for



arresting the rotation of the armature when the toggle mechanism has moved to the collapsed position.

2,548,054
DOLLY FOR MOVING AND HANDLING BLOCKS OF GRANITE
Frank Pinto, Barre, Vt., assignor of one-half to José M. Monte, Barre, Vt.
Application March 15, 1946, Serial No. 654,721
1 Claim. (Cl. 280—61)

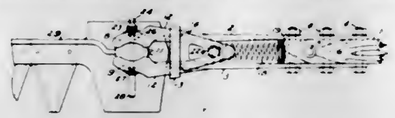


In a truck for handling and transferring stone blocks, a frame including a pair of spaced apart parallel side members, a tie member extending transversely of and secured to the side members adjacent the ends of said side members, a bumper attached to the side members at each end thereof and extending longitudinally outwardly beyond the ends of each side member, a plurality of transversely extending wooden load bearing rollers journalled on said side members and projecting above the top of the side members, a single traction roller rotatably supported by the side members at a point below the side members, and a roller extending transversely of and journalled in the side members in proximity to the ends of said side members and being of lesser diameter than the traction roller whereby said rollers will limit the extent to which the truck may be tilted, the said traction roller and end rollers each comprising an axle rotatably supported by and depending from the said side members, a heavy metal tube surrounding the axle of such length as to extend between the side members, and a bushing on said axle at each end of the tube for securing the tube to the axle.

2,548,055
AUTOMATIC PITMAN BAR CONNECTION
Manford J. Polley, Homer, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 4, 1947, Serial No. 772,061
9 Claims. (Cl. 56—303)

8. In a mower including a knife, a vertically adjustable means mounting said knife for movement therewith and for reciprocation relative thereto, said knife and parts connected therewith being free to gravitate downward with respect to said mounting means when said mounting means

is raised to an inoperative position, a pitman bar, a connector on the adjacent end of said knife operatively connecting said pitman bar and knife, and a projection carried by a part of said mounting means and disposed generally adjacent the connected end portion of said knife, the combination of a pitman connection comprising a pair of similar resilient strap members secured to said pitman bar and extending therefrom in spaced opposed and generally parallel relation with respect to each other, said straps terminating in free end portions presenting opposed socket forming surfaces engaging said connector, means in-



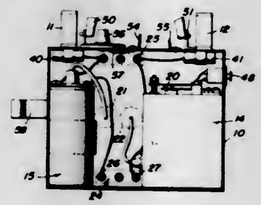
cluding a collar surrounding said strap for resiliently urging said socket forming surfaces toward each other and for releasably maintaining said surfaces in gripping relation to said connector, and a lubricant receiving means positioned in a bore through one of said free end portions and extending outwardly from said strap, said outwardly extending lubricant receiving means being disposed generally in the path of said projection for coaction therewith to limit the downward movement of said knife relative to said mounting means when the latter is raised to an inoperative position.

2,548,056

TESTING AND TROUBLE ELIMINATING APPLIANCE FOR IGNITION SYSTEMS

George Powasnick, Bayonne, N. J., assignor of thirty-five per cent to Fannie Penchansky and ten per cent to Joseph Matejicka, both of Bayonne, N. J.

Application February 3, 1949, Serial No. 74,297
4 Claims. (Cl. 175—183)



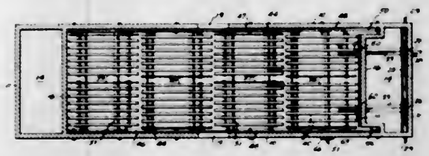
1. A portable ignition trouble eliminator unit for internal combustion engines of cars, operated by an ignition system, including a source of current and a distributor, comprising a housing provided with a handle, two ignition coil assemblies, operating at the normal ignition voltage of the engine and at a higher voltage respectively, each ignition coil assembly having three outer connections, one of said connections leading to the secondary winding, the second connection leading to the primary winding and the third connection being made with a point which is connectable with both windings, connector outlet means on the outside of the housing, for establishing a connection with the first named of the said outer connections of each coil assembly, means for connecting alternatively one of the outer connections mentioned in the second place of the two coil assemblies with the source of current, further means for alternatively connecting the third one of the outer connections above mentioned of the two coil assemblies with the distributor, condensers connected with each coil assembly, and attachment clamps for the housing provided with connection terminals for providing ground connections for said condensers.

2,548,057

CARLOAD ADJUSTING MEANS

Enrico Prati, Asti, Calif.

Application October 7, 1946, Serial No. 701,709
9 Claims. (Cl. 105—369)



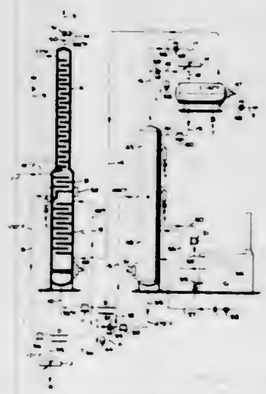
5. In a freight car or the like with a central access opening, freight supporting racks overlying the car floor, rollers supporting the racks for adjustment lengthwise of the car, a load compressing means operable from one end of the car to move the freight and racks by which it is supported in sections toward the opposite end of the car, means for retracting the load compressing means, and means operable upon retraction thereof to engage the racks between the said one end of the car and the center to facilitate unloading of the car from the central access opening.

2,548,058

RICH OIL DISTILLATION

Edward G. Ragatz, San Marino, Calif.

Application July 28, 1947, Serial No. 764,034
4 Claims. (Cl. 196—8)



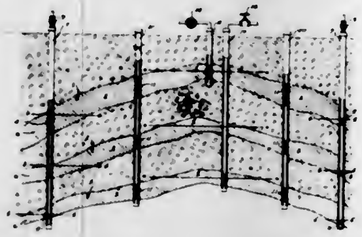
1. The method of separately removing undesirable low boiling hydrocarbons and desired higher boiling hydrocarbons from rich absorption oil, that includes passing said oil downwardly through a plurality of trays in a cooler rectifying zone, passing rich oil from the bottom of said zone through a heat exchange zone and then downwardly through a warmer rectifying zone, heating the rectified rich oil taken from the bottom of said warmer rectifying zone and vaporizing absorbed hydrocarbons from said rectified oil, introducing a lower molecular weight portion of said vaporized hydrocarbons into said warmer rectifying zone for upward flow therein, passing vapors from said warmer rectifying zone upwardly through the trays of said cooler rectifying zone in contact with the rich oil flowing downwardly therethrough, passing vapors from said cooler rectifying zone upwardly through an absorption zone, introducing lean absorption oil to the top of said absorption zone and passing that oil downwardly through said absorption and rectifying zones in contact with the rising vapors therein, removing low boiling undesirable hydrocarbons from the top of said absorption zone, and passing hot lean oil resulting from heating of said rectified rich oil through said heat exchange zone in indirect heat exchange relation with the rich oil passing therethrough.

2,548,059

REARRANGEMENT OF OIL AND GAS DEPOSITS IN SEALED DOMES AND LIKE NATURAL FORMATIONS

Ralph H. Ramsey, Ardmore, Okla.

Application October 8, 1947, Serial No. 778,586
2 Claims. (Cl. 166—21)



2. Method of effecting re-arrangement of the oil and gas in reservoirs in natural domes and similar formations in which the bearing sands exist in superposed independent strata, gas occupying the higher levels of each and oil the lower levels, with surrounding water sealing said strata at independent pressures, comprising providing closed wells extending through all the strata adjacent the peripheral boundary of the oil body in each, communicating with the water body in each, whereby the water pressure becomes equalized in all of said strata, and providing closed wells extending through all of said oil bodies, communicating with each, whereby an interchange of the gas and oil in the several strata takes place, the gas rising in said second mentioned wells while the oil gravitates downward therein, resulting in the top stratum containing substantially solely gas while the bottom stratum contains substantially solely oil, and providing a gas injection well tapping solely the top stratum and an oil production well tapping solely said bottom stratum.

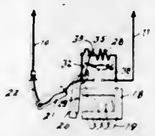
2,548,060

ELECTROMAGNETIC OPERATING AND CONTROL SYSTEM

Charles R. Ray, Sausalito, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California

Application May 21, 1949, Serial No. 94,692
7 Claims. (Cl. 175—294)

5. In an automatic circuit interrupting and restoring circuit breaker, the combination of an electromagnetic field structure, an energizing coil for said electromagnetic field structure connected in series circuit with the circuit interrupting and restoring contacts of the circuit breaker, a main armature responsive to said electromagnetic field structure adapted when operated to control the opening of a circuit breaker, said main armature being responsive to said electromagnetic field structure only when said energizing coil is subjected to a predetermined abnormal current value, a low resistance shunt circuit connected in parallel relation with said energizing coil adapted and arranged to shunt a major portion of the current passing through the circuit breaker around said energizing coil under normal operating conditions, a second armature also magnetically re-



sponsive to said electromagnetic field structure and calibrated to operate at a predetermined overload current value, and a circuit interrupting switch in said shunt circuit adapted to be opened by an operation of said second armature when the current passing through the circuit breaker reaches said predetermined value, whereby only a fraction of the full line current will pass through said energizing coil under normal operating condition while under abnormal current conditions the full line current will be available for energizing said electromagnetic field structure.

2,548,061

FLEXIBLE TRAY CONVEYER

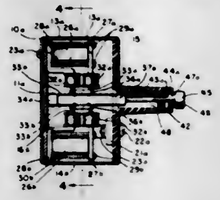
Elkins Read, Pottsville, Pa.

Application August 27, 1947, Serial No. 770,923
6 Claims. (Cl. 198—181)



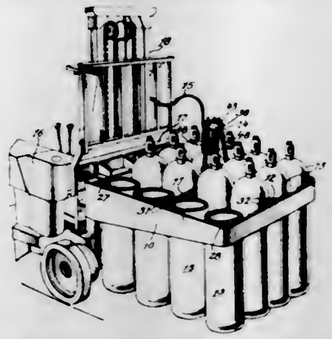
4. A device for transporting material comprising a plurality of trays in end to end overlapping relation forming an endless conveyor, an inverted channel piece respectively secured to the upper surface of each tray adjacent one end thereof and on which the overlapping end of the adjoining tray normally rests, said channel piece having a longitudinally extending T-shaped slot therein, an elongated headed bolt having a shank rigidly secured to the overlapping end of each tray and extending through said slot and coupling adjoining trays together, said bolt being movable in the slot to permit restricted horizontal and vertical relative movement between the overlapped ends of adjoining trays, a pair of axially spaced supporting wheels attached to the underside respectively of each tray adjacent the end thereof carrying said channel piece, a trackway comprising spaced rails upon which said wheels ride, a movable endless chain extending beneath said trays, a U-bolt secured to the end of each tray centrally between said wheels, and a drag member respectively connecting each U-bolt with said chain, said drag member having an eye connection with the U-bolt permitting tilting movement of the trays relatively to the plane of movement of the chain.

2,548,062
BONE CONDUCTING RECEIVER WITH ELECTROMAGNETIC VIBRATOR
Scott N. Reger, Iowa City, Iowa
Application March 22, 1948, Serial No. 16,233
21 Claims. (Cl. 179—107)



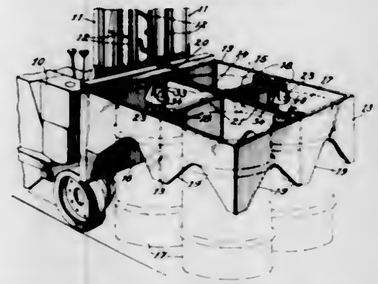
1. In a bone conducting receiver having a contact member adapted to engage the user's head a vibrating member having movement in a first direction and having movement in a second direction at right angles to said first direction and of a lesser amplitude than the amplitude in said first direction, actuating means imparting movement to said vibrating member in said first named direction, said contact member being movable in the same direction as said second named direction and being energized by said vibrating member said contact member when pressure is applied thereto by engagement with the head of the user producing no perceptible resistance to the movement of said vibrating member in said first named direction.

2,548,063
CYLINDER TRANSPORTING DEVICE FOR INDUSTRIAL TRUCKS
Howard A. Reinhart, San Francisco, Calif., assignor, by mesne assignments, to Tray-Hart, Inc., a corporation of New Jersey
Application September 22, 1947, Serial No. 775,497
8 Claims. (Cl. 214—65)



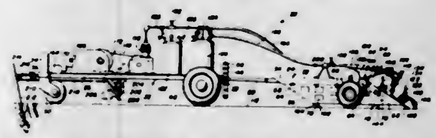
1. In an article handling device for transporting a plurality of vertically disposed cylindrical articles from one point to another, the combination of a horizontally disposed outer frame having intersecting partitions forming rectangular compartments into each of which the upper ends of a plurality of nested cylindrical articles may extend, said compartments being open at their bottoms to permit said frame to be lowered over a nest of articles to be transported and with a plurality of said articles in each of said compartments, a gravity actuated wedging member disposed in one corner of each of said compartments adapted upon a relative upward movement of said frame to engage one of said articles, and means at the other corners of each of said compartments adapted to cooperate with said wedging member and cause said nested articles to be gripped as a unit when said frame is raised relative thereto.

2,548,064
POWER-OPERATED DRUM CARRIER FOR INDUSTRIAL TRUCKS
Howard A. Reinhart, San Francisco, Calif., assignor, by mesne assignments, to Tray-Hart, Inc., a corporation of New Jersey
Application November 24, 1947, Serial No. 787,702
9 Claims. (Cl. 214—65)



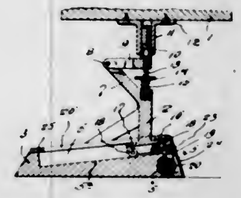
1. In a drum carrier of the character described, the combination of a frame having partitions forming a plurality of rectangular compartments with open bottoms into each of which the upper end of a liquid transporting drum may extend, said frame being adapted for mounting upon the elevating mechanism of a lift truck, whereby it may be raised and lowered over a number of vertically standing drums, a drum gripping means operatively mounted in each compartment of said frame, said frame being further characterized by the fact that its outer walls are scalloped to provide angularly disposed edges that will serve to guide the frame with its compartment forming partitions into telescoping relation over the upper ends of any drums upon which it may be lowered, and a movable support for securing said frame with limited freedom of lateral movement upon the elevating mechanism to a lift truck.

2,548,065
BURNING APPARATUS FOR PLANT BEDS
Lucas K. Reister, Lexington, Ky.
Application May 18, 1948, Serial No. 27,622
5 Claims. (Cl. 111—7)



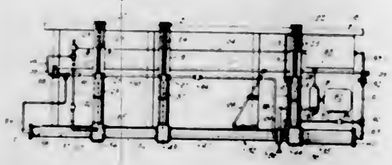
1. A burning apparatus for plant beds, comprising a wagon, a wheel-supported bottomless oven drawn by said wagon, said oven including side walls and a downwardly and rearwardly extending rear wall, a transverse row of adjustable soil breaking feet provided in said oven, a transversely extending manifold mounted on said oven, a plurality of burner nozzles mounted on said rear wall and directed to throw jets of flame into furrows broken by the respective feet, tubes connecting said nozzles to said manifold, a transverse row of ground eveners carried by said rear wall, a motor-driven air compressor and a liquid fuel tank mounted on said wagon, and conduits connecting said tank to said manifold and said compressor to said manifold and to said tank.

2,548,066
SELF-ADJUSTING CHAIR
Aureo Rivera, New York, N. Y.
Application February 12, 1946, Serial No. 647,022
7 Claims. (Cl. 155—57)



1. A chair adapted to be supported on a floor and comprising a seat, a base resting on the floor and provided with an inclined track, a standard connected at its upper end to the seat, means for slidably mounting the lower end of the standard in the track, and yieldable means embodying a coiled metal band rotatably supported in said base and connected to said slidable mounting means, and spring means connected to said band operating to exert tension on said band for normally retaining the standard at the upper limit of said track and providing for downward movement of the standard relative to the track upon the imposition of weight on the seat and for return upward movement of the standard upon removal of such weight.

2,548,067
HYDRAULICALLY OPERATED SET MECHANISM FOR THE HEAD BLOCK KNEES OF A SAWMILL CARRIAGE
Henry G. Roberts, Prattville, Ala.
Application July 29, 1947, Serial No. 764,310
4 Claims. (Cl. 60—97)



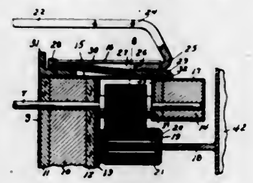
1. Fluid operated saw mill set works, comprising a longitudinal tube, a longitudinal rod mounted within the longitudinal tube and extending throughout the major portion of the length of the tube, the longitudinal tube having an inside diameter substantially greater than the diameter of the longitudinal rod, plungers secured to the longitudinal rod near its opposite ends and near the opposite ends of the longitudinal tube, the opposite ends of the longitudinal tube having openings outwardly of the plungers whereby fluid under pressure may be introduced into and exhausted from the ends of the longitudinal tube for shifting the longitudinal rod, a plurality of substantially horizontal transverse tubes connected with the longitudinal tube and having their bores in communication with the bore of the longitudinal tube, reciprocatory plungers mounted within the transverse tubes and having parts extending beyond the outer ends of the transverse tubes, and flexible elements connected with the reciprocatory plungers of the transverse tubes and with the longitudinal rod for retracting the reciprocatory plungers when the longitudinal rod is shifted in one direction, the flexible elements extending within the longitudinal tube between such tube and the longitudinal rod, the longitudinal and transverse tubes being filled with fluid inwardly of their plungers.

2,548,068
SUN VISOR FOR MOTOR VEHICLES
Roy S. Rountree and Max D. Moeller, Miami, Fla.
Application February 4, 1948, Serial No. 6,198
2 Claims. (Cl. 296—95)



2. A bracket for the support of an automobile sun visor having a downwardly inclined wing portion at each end thereof, comprising, in combination with the rain gutter of said automobile, a post terminating along the bottom thereof in a concave arcuate edge adapted to seat within said gutter and thereagainst, a gutter clamp engageable with said gutter and secured to said post, a visor clamp formed at the upper end of said post and comprising a pair of inner cushioning washers abutting said post against the inner face thereof and adapted to embrace said wing portion therebetween, and a through bolt fastening adapted to secure said wing portion in gripping relation with said post and including a concavo-convex outer head in abutting relation with said post against the outer face thereof.

2,548,069
COTTON PICKER SPINDLE SLAT FASTENING MEANS
John D. Rust, Memphis, Tenn.
Application April 2, 1946, Serial No. 658,967
18 Claims. (Cl. 56—42)



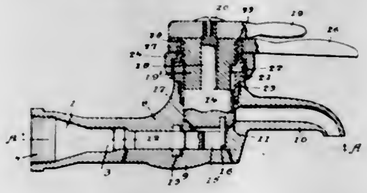
15. Means for connecting a spindle-carrying slat to conveyor chains, the slat having a passage at each end, said means including hinge elements, each hinge element including a flat plate adapted for connection to a chain and having a portion bent back upon itself and constituting a leg spaced from the plate and adapted to enter a slat passage, and means for locking said legs in said passages.

2,548,070
ADVERTISING DISPLAY DEVICE
Arthur M. Ryan, Burlingame, Calif.
Application November 22, 1948, Serial No. 61,404
1 Claim. (Cl. 40—129)



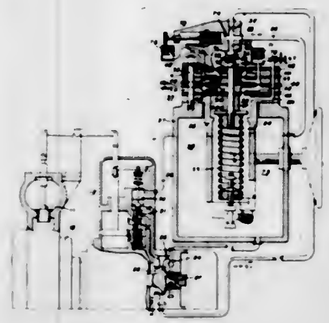
In combination with an axle assembly of a type comprising an axle, a tire carrying wheel mounted rotatably on said axle and secured thereto by means of an axle nut, an advertising display device comprising; an advertising disc having a circumference slightly larger than the circumference of the tire rim of said wheel, a heavy metal washer mounted on said axle between said axle nut and said wheel, a plurality of substantially straight bolts of equal length affixed to and projecting outwardly from the outer face of said washer in spaced parallel relationship with respect to one another, the outer end of each of the said bolts formed with a reduced threaded portion defining an abutment shoulder, said advertising display disc formed with a plurality of apertures spaced relatively to receive the threaded ends of said bolts, each aperture having a diameter only slightly larger than the reduced threaded end of the bolt which it respectively receives and smaller than the diameter of the shoulder formed by said reduced threaded end, and nuts mounted on the threaded ends of said bolts outwardly of said disc detachably securing said disc to said bolts with the aperture defining portions of the disc clamped securely against the abutment shoulders of said bolts.

2,548,071
FAUCET
Jay L. Saulsberry, Tucumcari, N. Mex.
Application June 19, 1946, Serial No. 677,748
3 Claims. (Cl. 277—10)



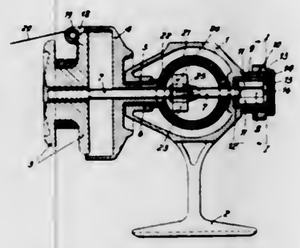
1. A faucet having a mixing chamber provided with separate inlet ports, a valve chamber having an inlet port communicating with the mixing chamber, an upwardly facing valve seat in surrounding relation to said last port, an outlet nozzle communicating with the valve chamber above said inlet port for the valve chamber, a gate valve rotatable within the mixing chamber for controlling the admission of liquid thereto through the inlet ports for the mixing chamber, a valve mounted in the valve chamber and contacting said valve seat when in closed position, means establishing an operative connection between the valves comprising a pin carried by one and engaging a slot in the other, means by which the said second valve may be turned while seated to effect adjustment of said first valve, means by which said second valve may be moved into opened position to establish communication between the mixing chamber and the nozzle, an internally threaded sleeve carried by said faucet and said second valve having operative threaded connection with said sleeve so that a handle carried by said sleeve can be moved to operate said second valve to place either of said inlet ports into communicating relation with said mixing chamber.

2,548,072
HYDRAULIC GOVERNOR RESPONSIVE TO RATE OF CHANGE OF SPEED
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1949, Serial No. 122,399
3 Claims. (Cl. 264—7)



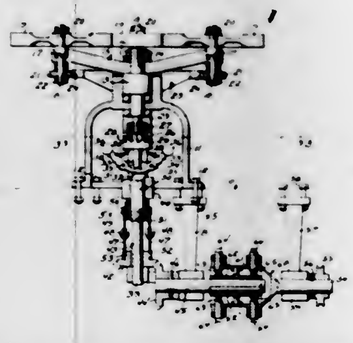
2. The combination with a prime mover having a motive fluid admission valve and pressure responsive means for controlling the valve, of a hydraulic governor comprising an impeller driven by the prime mover for developing primary liquid pressure varying as a function of prime mover speed; means providing liquid under secondary pressure for operation of said pressure-responsive means and including a valve for varying such pressure; opposed pressure areas for said last-named valve with one area subject to primary pressure and the other area subject to secondary pressure, whereby the valve is operative to vary the secondary pressure to maintain the latter in proportional relation to the primary pressure; and apparatus responsive to the rate of change of speed of the prime mover to vary the secondary pressure for operation of said pressure-responsive means to vary the admission of motive fluid to the prime mover to limit the change in speed incident to sudden load change; said apparatus comprising equal and opposed pressure areas for said valve, means including a passage for supplying liquid under primary pressure to one of said last-named areas, a second passage including an air bell for supplying liquid under pressure to the other of said last-named areas, and a needle valve for controlling the flow of liquid from the first passage to the second passage.

2,548,073
BRAKING ARRANGEMENT FOR CASTING REELS
Karl Siegrist, Zurich, Switzerland
Application April 19, 1946, Serial No. 663,461
In Sweden November 7, 1945
6 Claims. (Cl. 242—84.5)



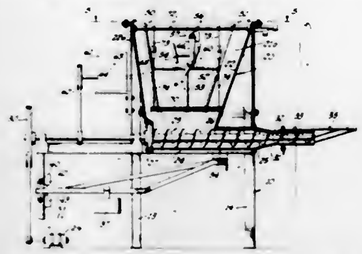
2. In a casting device for a fishing rod, the combination of a housing attachable to the rod, a hollow shaft journaled in said housing, a spindle journaled in said shaft and movable axially thereof, a line reel mounted on said spindle, means on said hollow shaft for winding line on said reel, a drive gear for said winding means, a drive shaft driving said gear, a bearing on said housing journalling said driving shaft, said bearing having an annular groove therein, a crank for operating said driving shaft, a pay-out brake on said driving shaft including a brake disk having a slot therein, and a slip member acting on said brake comprising an open resilient slip ring frictionally carried on said annular groove and having one end extending at an angle and engaged in said slot in said brake disk.

2,548,074
GYROSCOPE
Stanley Sikora, Lancaster, N. Y.
Application June 28, 1949, Serial No. 101,775
3 Claims. (Cl. 74—5.37)



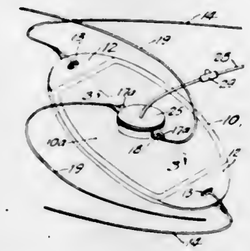
1. In a device for maintaining the equilibrium of a vehicle, the combination with a drive shaft, of a plurality of fly wheels arranged in the same plane, means for connecting said drive shaft to said fly wheels for rotating the latter, means for preventing said fly wheels from exceeding a predetermined speed of rotation, means for preventing the speed of said fly wheels from diminishing when the vehicle slows down temporarily, and a slip coupling for preventing breakage of the parts of the gyroscope due to stress and strain when the vehicle is accelerating.

2,548,075
BAG PACKER
Henry L. Stoker, Claremont, Calif.
Application November 9, 1946, Serial No. 709,064
9 Claims. (Cl. 249—60)



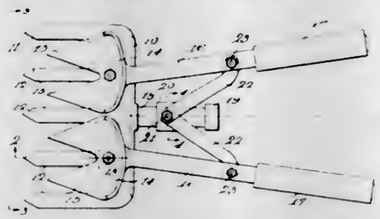
1. A bag packer adapted to be driven by a motor means, which includes: a hopper adapted to receive a finely divided material; a pivoted beam adapted to receive a bag at one end thereof; a conduit attached to said beam for movement therewith and mounted to extend into said bag; reversible motor means; a reversible screw conveyor driven by said motor, extending from said hopper into said conduit to a point adjacent the open end of the latter to move said material from said hopper through said conduit, said conduit being shaped to permit of its movement with respect to said conveyor without binding against the latter; counterbalancing means attached to the opposite end of said beam; and control means adjacent said opposite end of said beam and operated thereby to reverse the rotation of said conveyor means and remove some of the material in said bag when the combined weight of said bag and said material contained therein exceeds a predetermined amount.

2,548,076
HOT-WATER BOTTLE HEATING ELEMENT
Bogoia Strezoff, Minneapolis, Minn.
Application September 30, 1949, Serial No. 118,819
5 Claims. (Cl. 219—41)



2. A combined closure and heating unit for the filler opening in the walls of a heat exchanger bag comprising a plug shaped hollow member having a bottom of heat-conducting metal and having an upper portion of heat insulating material, said upper portion being adapted for connection with suspension means for said hollow member, said hollow member being adapted to seal said filler opening when placed in proper position therefor, and an electrical heating element disposed within said hollow member and superimposed upon said bottom, the bottom of said plug member being disposed substantially parallel to the wall of the bag in which said filler opening is formed and extending at least in closely spaced relation thereto.

2,548,077
HEDGE AND WEED CUTTER
Adam Tamol, Buffalo, N. Y.
Application May 7, 1947, Serial No. 746,489
1 Claim. (Cl. 30—211)



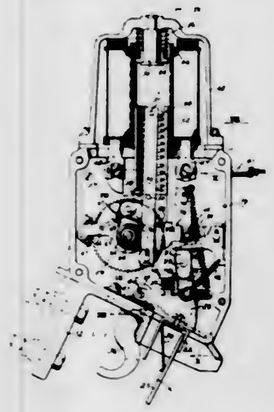
A device of the character decribed including a frame formed with a plurality of parallel double-edged blades, a pair of cutting members pivotally mounted on said frame and each having a pair of integrally formed V-shaped blades adapted to coact with the blades formed in the frame and means for moving the cutting members, said means for moving the cutting members comprising a handle formed integrally with each of the members and means for limiting the movement of the cutting members comprising a shaft formed at the rear of the frame, a collar slidably mounted on the shaft, a stop member affixed to the outer end of the shaft and a link interconnecting each handle and the collar.

2,548,078
PIPE COUPLING
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Milker Incorporated, Des Moines, Iowa, a corporation of Illinois
Application December 6, 1945, Serial No. 633,240
2 Claims. (Cl. 285—21)



1. In milking machine apparatus including a flexible conduit having air passages and a milk passage formed therein, and a unit having corresponding air passages and a milk passage formed therein and terminating at one of their ends as openings in a surface portion of said unit, the means for fluid connecting the passages in said conduit with the passages in said unit including an annular upright wall extended about said surface portion and adapted to receive one end of said conduit therein, a sleeve member mounted on said conduit in a fixed position spaced from the end face at said one conduit end, a tubular coupling member supported about said sleeve member for rotational and longitudinal movement relative to said sleeve member, coacting portions on said sleeve member and on said coupling member for limiting the longitudinal movement of said coupling member in one direction relative to said sleeve member, means for locating the passages in said conduit in registration with corresponding passages in said surface portion, when said one conduit end is positioned within said wall, includng a radial projection on the inner periphery of said wall, with said sleeve member having an axially extended recess therein adapted to receive said projection, said coupling member and said wall being adapted for a threaded connection to move and hold the end face at said one conduit end in a fluid sealed engagement with said surface portion.

2,548,079
CIRCUIT ISOLATING AIR BREAK SWITCH
Joseph S. Thompson, San Francisco, and Charles R. Ray, Sausalito, Calif., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application September 24, 1948, Serial No. 50,968
5 Claims. (Cl. 200—108)

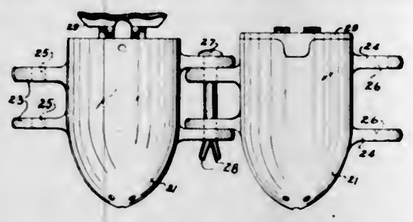


1. In a branch line circuit interrupting switch for use with an automatically operated main line reclosing circuit breaker, the combination of a pair of spaced insulating supports, a circuit controlling switch blade pivotally mounted upon one of said supports for movement into and out of a circuit closed position, a terminal contact hingedly mounted upon the other of said supports adapted to move into latching relation with the end of said switch blade, a toggle for retaining said hingedly mounted terminal contact in latching relation with said switch blade, electromagnetic means operative through a member for initiating a collapse of said toggle to permit said pivotally mounted terminal contact to swing out of latching relation with said switch blade following a predetermined operation thereof, and a blocking means for preventing a full collapse of said toggle when said electromagnetic means is energized and current is flowing through said switch blade.

2,548,080
CARRYING BELT FOR FISH LURES
Ryder D. Thorn, Wichita Falls, Tex.
Application December 7, 1945, Serial No. 633,320
5 Claims. (Cl. 224—5)

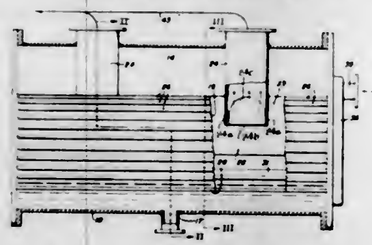
1. A fish lure carrying member adapted to encircle the human body, comprising a plurality of interconnecting transparent receptacles, a transparent hinged cover closing the upper end of each receptacle, each of said receptacles having a downwardly and inwardly convergent bottom portion and a curved vertically disposed wall section, the bottom of each of said receptacles having a drainage opening therethrough, and

means connecting said receptacles to form a substantially continuously curved body-engaging



portion on said member adapted to fit against the body.

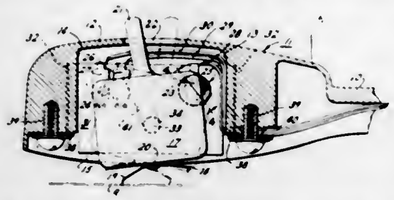
2,548,081
FLASH EVAPORATOR
Yeram S. Touloukian, West Lafayette, Ind., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1949, Serial No. 114,390
4 Claims. (Cl. 122—40)



1. In a flash evaporator, a shell normally having water in the lower portion thereof, baffle structure having its lower edges submerged in the water in the shell so as to divide the interior of the latter into vaporizing and separating spaces, vapor off-take means communicating with the upper portion of the separation space, means for spraying water into the evaporation space, a nozzle provided by said baffle structure, said nozzle having its inlet communicating with the evaporation space and extending downwardly so that its discharge end is below the inlet of the vapor off-take means, whereby media accelerated by and discharging from the nozzle and flowing to the inlet of the vapor off-take means is constrained to undergo reversal of direction of flow in the separation space so that droplets of water may separate and impinge on and join the body of water at the bottom of the separation space.

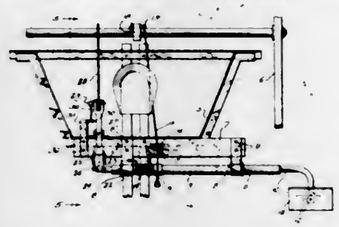
2,548,082
DUAL STYLUS PHONOGRAPH PICKUP
John A. Tourtellot, Merchantville, N. J., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1949, Serial No. 83,350
5 Claims. (Cl. 179—100.41)

3. A phonograph tone-arm structure comprising a pickup unit having two styli, means movably mounting the pickup unit for selective adjustment in either of two positions to bring a selected stylus into operative position with respect to a record, a pair of electric contact elements on said unit, a contact member in constant engagement with one contact element on said unit regardless of its adjusted position, two other contact members selectively engaged by the other contact element on said unit depending upon its position, the contact member in constant engagement with the mentioned contact element being provided with a substantially



conical portion and an angular portion surrounding said conical portion, the angular converging surfaces of said portions defining a seat for the contact element in engagement with said member.

2,548,083
AUTOMATIC TRIP ACTUATING MEANS FOR DUMPING HAYRAKES
Carl L. Uthaug, Jordan, Mont.
Application October 11, 1945, Serial No. 621,803
2 Claims. (Cl. 56—386)

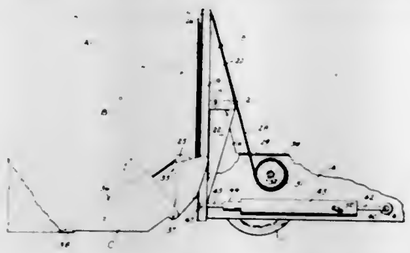


1. In a mobile rake of the type having a frame, a trip mechanism and a foot hold-down pedal on the frame, spring means connecting the pedal to the frame to hold said pedal down, a shaft journaled on said frame, a trip member carried by one end of the shaft for operation by a windrow formed by the rake to rotate the shaft, means operatively connecting the shaft to the trip mechanism to operate said mechanism upon rotation of said shaft by said trip member, and means carried by the shaft and underlying said pedal to engage and raise said pedal upon rotation of said shaft.

2,548,084
SCOOP-SHOVEL VEHICLE
Eddie B. Wagner, Portland, Oreg.
Application September 19, 1947, Serial No. 775,089
7 Claims. (Cl. 214—120)

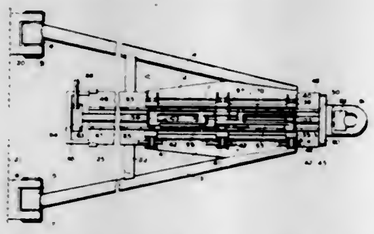
1. An automotive vehicle comprising a pivoted frame normally occupying a substantially vertical position and having its lower end adapted to swing toward and away from the front end of the vehicle, a material handling device mounted on said frame and adapted to assume a position adjacent the lower end of said frame, a rack pivotally attached to the lower end of said frame and extending therefrom into said vehicle, a swinging support slidably guiding said rack, a driven gear carried by said support and maintained in mesh with said rack, a substantially vertical link depending from said support, a grouser supported by said link, and means to drive said gear, the foregoing construction causing rotation of said

gear in one direction initially to swing said support and lower said grouser into contact with the



ground and thereafter to advance said rack and move said device forwardly.

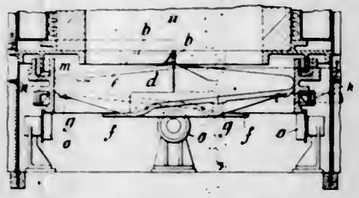
2,548,085
TRAILER DRAWBAR
Dewey S. Weiss, Portland, Oreg.
Application April 15, 1947, Serial No. 741,575
16 Claims. (Cl. 280—33.44)



1. A drawbar assembly for coupling a trailing vehicle to a leading vehicle comprising a sleeve having a pair of longitudinal flanges thereon, means for hingedly supporting said sleeve upon a vehicle with its longitudinal axis substantially aligned with the longitudinal axis of the vehicle, a drawbar slidably mounted in said sleeve and having a longitudinal flange thereon, and a latch lever pivotally mounted between the flanges of said sleeve and extending longitudinally of said drawbar, said lever comprising a laterally extending boss overlying the flange of said drawbar, and said flange of said drawbar having a plurality of spaced notches therein engageable by said boss to retain said drawbar in any of a plurality of longitudinally adjusted positions.

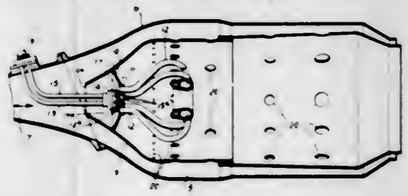
2,548,086
GAS PRODUCER, INCLUDING ROTATABLE ASH BREAKING GRATE MEANS
Frederick Joseph West and Ernest West, Manchester, England, assignors to West's Gas Improvement Company Limited, Manchester, England, a British company
Application June 24, 1947, Serial No. 756,740
In Great Britain May 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 27, 1966
4 Claims. (Cl. 110—36)

1. A gas producer comprising a coke chamber, a grate having a casing and formed by a number of perforated helical parts mounted in the casing, each helical part having a leading edge of curved shape and substantially radially disposed at the top of the grate and a trailing edge which extends behind and below the leading edge of the next succeeding helical part, rollers for supporting and centralizing the grate casing, means forming a water seal between the casing and the coke chamber, means for rotating the grate and



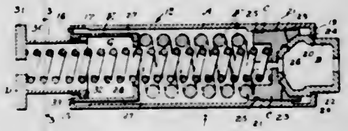
means in the coke chamber immediately above the grate for preventing the rotation of ash above the grate so that the leading edges on the grate cut through the ash.

2,548,087
VAPORIZER SYSTEM FOR COMBUSTION CHAMBERS
Frederick Denison Morgan Williams, Nobel, Ontario, Canada, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada
Application January 21, 1950, Serial No. 139,843
14 Claims. (Cl. 60—44)



1. In a vapourizer system for a combustion chamber in which liquid fuel is burned in an air stream flowing in the combustion chamber, vapourizer tubes having inlet ends and outlet ends, said tubes being secured with their inlet ends facing the air stream and the outlet ends of the tubes converging into a common outlet facing the air stream.

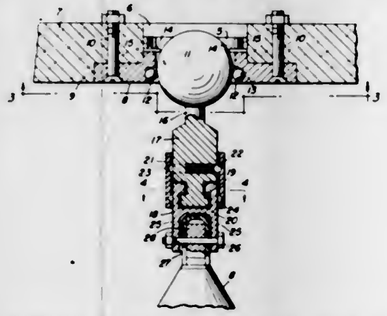
2,548,088
BUFFING MECHANISM
Keith Williams, Buffalo, N. Y.
Application May 15, 1946, Serial No. 669,953
12 Claims. (Cl. 213—24)



1. In a shock absorber of the character described, the combination with a casing; of a cap slidingly telescoped within the casing; a spring within the casing yieldingly opposing inward movement of the cap; means for anchoring the cap to the casing including an annular locking element having shouldered engagement with the cap for limiting outward movement of the latter, said element and casing having interengaging, laterally spaced stop projections which normally register to hold said cap against outward movement with respect to the casing, the stop projections of said element being of a

size to pass between the projections of the casing when said element and casing are turned with respect to each other to register the stop projections of said element with the spaces between the stop projections of the casing; means for preventing the rotation of said annular locking element; and a second spring within the casing yieldingly holding said element with the projections thereof seated against the projections of the casing.

2,548,089
SWIVEL HANGER FOR PUNCHING BAGS
Charles J. Wycosky, Elyria, Ohio
Application October 23, 1947, Serial No. 781,629
1 Claim. (Cl. 272—78)



In a swivel hanger for punching bags, a rigid stem, means to connect the upper end of said stem to a rebound board for universal movement relative thereto, the lower end of said stem being longitudinally bifurcated to provide spaced arms having aligned transverse apertures, a punching bag provided at the top with a suspension loop having aligned transverse apertures, a spacer block disposed in said loop and having a transverse opening, said loop and said spacer block being disposed between said arms, and a nutted bolt passing through the apertures of said arms and said loop and the opening of the spacer block to attach the bag to the stem.

2,548,090
CONNECTION MEANS FOR A WINDSHIELD WIPER BLADE AND ARM UNIT
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application September 23, 1947, Serial No. 775,595
8 Claims. (Cl. 15—250)

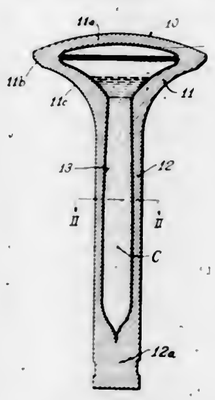


1. A connector for use in establishing an operative connection between windshield wiper arm units and a wiper blade unit comprising a channel housing having a pair of side walls and an outer connecting base wall, notches extending inwardly from the outer portions of the side walls of the channel housing forming a recess for receiving a transverse entering part carried by one wiper arm unit, said base wall of the channel housing being formed to provide a bridge portion for reception in a curved entering part provided on another wiper-arm unit, and yieldable holding means arranged substantially within the confines of the housing structurally related to said notches and said bridge portion for detachably holding the transverse entering part in the notches or for engaging the curved entering part so as to assist the latter in detachably holding the bridge portion therein.

2,548,091
ALPHA-HALOGEN SUBSTITUTED ACRYLIC COMPOUNDS
Carl E. Barnes, Belvidere, N. J., and William O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 23, 1945, Serial No. 601,342
15 Claims. (Cl. 260—89.5)

1. The process of producing colorless, color-stable, transparent mass polymers, form-stable at a temperature of 100° C., from monomeric polymerizable α-halogen substituted acrylic acid compounds, which consists in dissolving in the monomer from 0.1 to 15% of a monohydric alcohol having at most 9 carbon atoms and in which the hydroxyl radical is attached to a hydrocarbon radical, the amount of said alcohol being sufficient to convert all of the oxalyl halide compounds formed by spontaneous oxidation of the monomer prior to and during polymerization thereof into colorless, inert, organic reaction products, without exceeding the limit of solubility of any residual unreacted portion of said alcohol and its oxalyl halide reaction products in the resulting polymer, and without causing appreciable softening of said polymer; and then mass polymerizing, by subjecting to polymerizing influences, the resulting monomer composition, stabilized against discoloration, thus obtained.

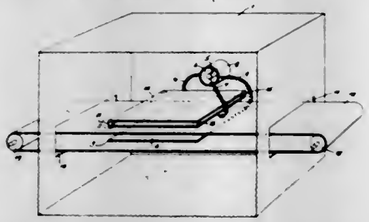
2,548,092
COOLED HOLLOW ARTICLE
Kenneth M. Bartlett, South Euclid, and Milton S. Roush, Painesville, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 6, 1949, Serial No. 119,838
7 Claims. (Cl. 123—41.16)



3. A poppet valve comprising a valve body composed of heat and corrosion-resisting steel alloy and having a hollow head and a hollow stem portion defining a coolant chamber, the walls of said

coolant-defining chamber having a film of zinc thereon, and sodium partially filling said chamber and adapted to wet the zinc.

2,548,093
APPARATUS FOR DIELECTRIC HEATING
Ronald Harry Blewitt, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application September 8, 1948, Serial No. 48,189
In Great Britain September 11, 1947
2 Claims. (Cl. 219—47)



2. Apparatus for subjecting material to the heating effect of a high frequency electric field which comprises a pair of plate electrodes spaced to provide a working space between opposed faces of said electrodes, one of said electrodes being grounded and the other being live, a conveyor to pass material to be heated through said working space, a grounded cage of electrically conductive material surrounding said electrodes and an auxiliary grounded electrode within said cage insulated from said live electrode and having a face spaced from the face of said live electrode remote from said grounded electrode.

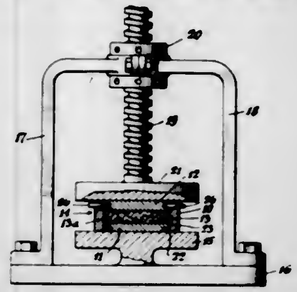
2,548,094
WEARING EDGE FOR SKIS
Narve Bonna, Lommedalen, near Oslo, Norway
Application July 13, 1946, Serial No. 683,371
In Norway January 21, 1943
3 Claims. (Cl. 280—11.13)



1. A U-shaped fastening piece for attaching a wearing edge to a ski, comprising a straight elongated base portion with a dovetail-shaped cross-section, adapted to be slid into a dovetail groove of a wearing edge, said U-shaped fastening piece being formed at the terminal ends of said base portion with integral upright nails, said upright nails projecting from both ends of said base portion substantially at right angles thereto, said nails being adapted to be hammered into a ski.

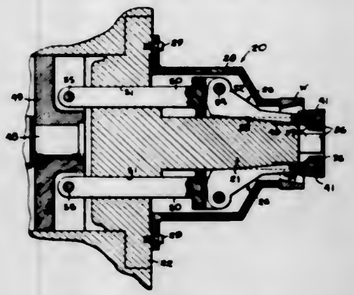
2,548,095
PRODUCTION OF CONSTRUCTION MATERIALS FROM WOOD AND OTHER VEGETABLE FIBERS
Harold E. Bowers, Pittsburgh, Pa., assignor to The New England Box Company, Greenfield, Mass., a corporation of Massachusetts
Application January 10, 1948, Serial No. 1,625
8 Claims. (Cl. 18—47.5)

1. A method of producing an article of manufacture having properties of natural wood which comprises intermixing a quantity of defibrated lignocellulose fibers with a quantity of uncooked starch and sufficient water to gelatinize the starch, thereby to form a charge, transferring the charge to a mold chamber wherein the charge is put under pressure thereby to form a shape,



heating the mold chamber to a temperature sufficient to gelatinize the starch in situ in the shape, then cooling the shape and thereafter drying said molded shape to reduce its moisture content to where it is substantially in equilibrium with the moisture content of the atmosphere.

2,548,096
EXPANDING MANDREL
George F. Bryant, Chicago, and Raymond C. Bryant, Oak Park, Ill.
Application April 19, 1949, Serial No. 88,368
13 Claims. (Cl. 279—2)

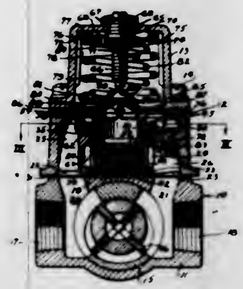


13. In an expansible mandrel, the combination comprising a body having longitudinal grooves therein, the floor of each of said grooves having an inner inclined radial step and an outer radial step substantially parallel to the axis of said body, and a series of gripping jaws associated with respective ones of said grooves, each of said jaws having a shank adapted to abut said inner inclined step with said mandrel in a collapsed condition, each of said jaws having a sliding shoe adapted to abut said outer radial step with said mandrel in an expanded condition.

2,548,097
VALVE
Michele Caserta, Detroit, Mich.
Application March 9, 1945, Serial No. 581,750
6 Claims. (Cl. 137—53)

1. A relief valve for a cylindrical relief port having a surrounding plane seating surface at right angles to the axis of said cylindrical relief port, a cylindrical member axially movable in said port, an annular member movable with said cylindrical member into and out of port closing

position, and means including resilient means between cooperating surfaces of said members providing limited tilting movement between said



members to permit said annular member to seat properly on said seating surface when said members move into port closing position.

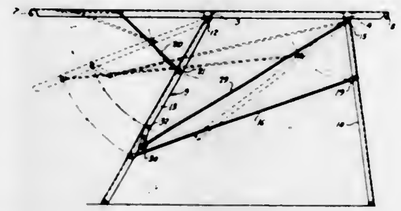
2,548,098
FOLDING CHAIR KNEELER ATTACHMENT
John H. Clarin, Oak Park, Ill., assignor to Clarin Mfg. Co., Chicago, Ill., a corporation of Illinois
Application August 12, 1949, Serial No. 109,915
5 Claims. (Cl. 155—166)



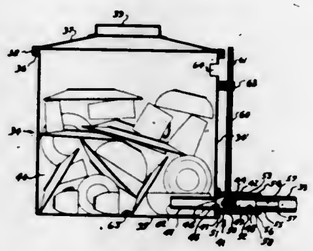
1. The combination with a folding chair of a kneeler attachment, arms connecting said attachment to the rear legs of said chair to permit swinging of said attachment between a horizontal position rearwardly of said chair in its unfolded seating position and a retracted position with said chair in its folded storage position, a lever pivoted on one of said rear chair legs and disposed so as to be engaged by a front chair leg during the folding of said chair into its storage position, and a link operatively connecting said lever with one of said arms whereby said attachment is swung into retracted position by the folding of said chair.

2,548,099
COLLAPSIBLE IRONING BOARD
Edward Condak, Detroit, Mich., assignor to Mardigian Corporation, Detroit, Mich., a corporation of Michigan
Application July 12, 1948, Serial No. 38,239
6 Claims. (Cl. 38—117)

1. A collapsible ironing board comprising a top, a front leg pivotally attached to the top to swing about a transverse axis located between the ends of the top, a pair of rear legs pivotally attached to the top for swinging about a transverse axis adjacent one end of the top, said last mentioned axis being spaced from the first mentioned axis a greater distance than from said end of the top, a pair of braces pivoted to the front leg and to the rear legs, a brace pivoted to the front leg and extending upwardly toward the top, guide means secured to the underside of the top between said first mentioned axis and the other end of the top, said guide means having a guideway therein extending longitudinally of the top and terminating in a downwardly extending notch at the end of the guideway closest to the pivot for the front leg, said brace having a transverse portion which slides in said guideway and interengages the notch to hold the legs in open position, and spring means cooperating with said brace for biasing the same into interengagement with said notch.

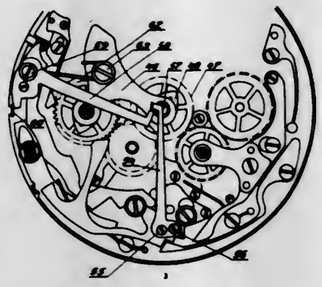


2,548,100
DISHWASHING APPARATUS
Emmett J. Culligan and Thomas E. Culligan, San Bernardino, Calif., assignors to E. J. Culligan Benevolent Foundation, San Bernardino, Calif.
Application June 6, 1947, Serial No. 753,070
3 Claims. (Cl. 259—4)



2. In a dish washer, in combination a container having a bottom wall and a substantially cylindrical side wall, a nozzle extending from a source of water and air through the side wall adjacent its lower extremity and discharging tangentially into the lower portion of the container to form a rising revolving mass within the container, said container adjacent its upper limits having a large discharge passage of greater discharge capacity than the nozzle and forming a free discharge from the upper edges of the mass, said container adjacent its lower limits having a second discharge opening of larger capacity than the discharge capacity of the nozzle for permitting discharge of the mass while the nozzle is operative, and valve means operably associated with said second opening.

2,548,101
SPLIT SECONDS FLYBACK CHRONOGRAPH
Georges Dubey and René Schaldenbrand, La Chaux-de-Fonds, Switzerland
Application March 4, 1947, Serial No. 732,282
In Switzerland March 12, 1946
2 Claims. (Cl. 58—75)



1. In a split seconds fly-back chronograph, the combination with the chronograph movement of a hollow shaft carrying a first long seconds-hand, a bearing for said hollow shaft, situated at its back end, a chronograph wheel secured on said hollow shaft and driven by the movement, a second shaft passing through said first hollow shaft from end to end and carrying a second long seconds-hand, said second shaft having its back end emerging from said first hollow shaft and formed with a semi-spherical head, a spiral spring mounted co-axially with said shafts between said first and second long seconds-hands and connecting them directly, a stop on one of said seconds-hands adapted to normally engage the other seconds-hand, and a manually operable device adapted to be brought in axial engagement with said semi-sperical head for displacing axially said second shaft, that brings momentarily said head in braking engagement with said bearing, thus stopping said second shaft and its long seconds-hand only, in order to measure a time to 59 seconds without stopping the chronograph movement.

2,548,102
FISHING POLE WITH AUTOMATIC LURE-CASTING ATTACHMENTS
Homer C. Elliott, Baltimore, Md.
Application July 21, 1949, Serial No. 106,041
8 Claims. (Cl. 43—19)



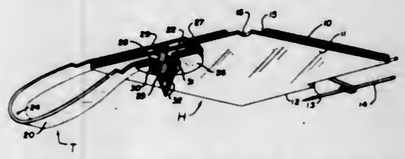
1. In a fishing device, a pole that is uniformly and forwardly tapered substantially throughout its length, a handle, and a reel-attaching shank, all normally united in mutual alinement and provided with an abutment at the larger or rear end of said pole, in combination with a helical compression spring around said pole and having its rear end normally against said abutment, a lure-carrier that has an open front end and includes a tubular element around and slidable along said pole, restraining means engaged with said shank and with said lure-carrier in a proper relation to compress said spring and thereby store motive power therein, a line-guiding eye-member on said lure-carrier, a reel on said shank, a fishing line having a part wound on said reel and a part extending from the reel to and through the said eye-member, and a line-pulling unit engaged with said line and thereby held normally substantially at the front side of said eye-member and being too large to be passed through said eye-member and adapted to have a snelled lure attached thereto while the body of the lure is either in or out of said lure-carrier, said restraining means being operable by manipulation so as to release said lure-carrier from restraint and permit it to be shot forward by motive power of said spring.

2,548,103
ELECTRIC SWITCH
Melvin H. French, Brookfield, Ill., assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill., a corporation of Delaware
Application November 27, 1948, Serial No. 62,278
3 Claims. (Cl. 200—166)



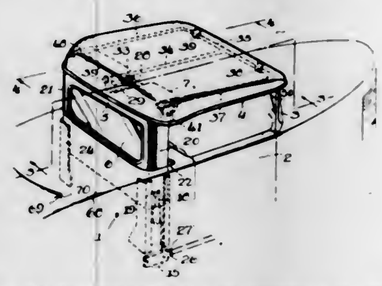
2. An electric switch comprising a substantially rectangular block of electrical insulating material having a pair of longitudinal grooves formed therein and disposed in parallel relation and opening respectively onto one face and at least one end of said block, a pair of contact wires mounted in one of said grooves for to and fro motion relative to each other and having angular extremities extending across the other groove at one end of said block, a contactor in the other groove and comprising a straight length of wire and a pivotally supported actuator coactive with said wire for imparting slight longitudinal motion thereto; one end of which wire is disposed between said angular extremities for selective engagement with any one thereof, and means for electrically insulating said contact elements from each other, said contact wires and said contactor each having a free end firmly secured to said block and disposed exteriorly thereof for connection with respective terminals of an electrical circuit.

2,548,104
TAG AND CARD HOLDER
Robert E. Frison, Buffalo, Wyo.
Application September 29, 1948, Serial No. 51,743
17 Claims. (Cl. 40—1.6)



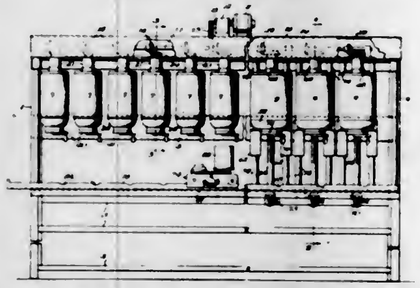
8. A card holder and tag for a license or the like, comprising two parallel, transparent sheets, closely spaced to contain a card therebetween; at least one aperture in each sheet, registering with an aperture in the opposite sheet; and a strip having adjacent one end a pin and adjacent the opposite end a receiver for said pin, said pin being insertable in said receiver and said pin and receiver having cooperating attaching and locking means constructed and arranged so that said pin is removably attached to said receiver when inserted therein a predetermined distance and locked in said receiver when inserted therein a further predetermined distance, at least one of said sheets limiting the movement of said pin into said receiver when said pin extends through registering apertures.

2,548,105
COLLAPSIBLE TOP FOR TRANSPORTATION DEVICES AND THE LIKE
Harry F. George, Chicago, Ill.
Application July 2, 1948, Serial No. 36,710
8 Claims. (Cl. 296—137)



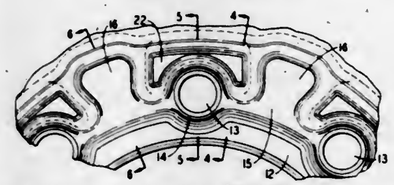
1. In an automobile of the convertible type, a body having a seat portion, a windshield frame, a top-supporting frame vertically movable in the body, a connecting plate at the upper portion of the last mentioned frame and mounted for slight pivotal movement thereon, a top slidably mounted on said connecting plate for forward and rearward movement thereon, resilient means for normally holding the front end of the top raised to clear the top of said windshield frame as the top is moved forwardly, and a resilient detent in the front end portion of the top for latching the top to the windshield frame when the top is swung downwardly thereover.

2,548,106
APPARATUS FOR MIXING AND DISPENSING PAINT
William L. Hancock and Bernard Walsh, Chicago, Ill., assignors to Martin-Senour Company, Chicago, Ill., a corporation of Ohio
Application December 30, 1947, Serial No. 794,718
4 Claims. (Cl. 259—67)



1. In an apparatus for mixing and dispensing paints, a main frame, a supporting bracket on said frame including two spaced outwardly extending arms terminating in arcuate portions adapted to receive and support a removable paint container, a removable paint container adapted to be received by said arms and be supported thereby, said container having radially extending lugs adapted to overlap said arms when rotated into dispensing position, and a pivoted releasable locking member mounted on said bracket, one end of said member being adapted to be received between said lugs on said container in dispensing position thereby to prevent rotation of said container.

2,548,107
STAMPED METAL VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 18, 1948, Serial No. 33,778
5 Claims. (Cl. 301—9)

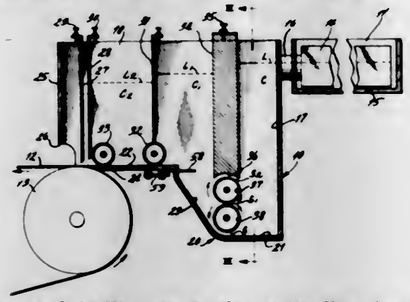


1. A stamped metal vehicle wheel comprising a wheel body having an integral bolting on flange provided with a plurality of circumferentially spaced holes located in a planar zone of said bolting on flange, said bolting on flange having a central opening adapted to receive a hub, said bolting on flange having a continuous embossment extending about the circumference of said central opening and projecting axially in one direction, said embossment comprising the following integrated portions; namely, ring-like portions extending completely about each of said holes, arc portions concentric with the center of the wheel body and joining said ring-like portions and portions extending radially outwardly of said arc portions intermediate the ring-like portions, the high areas of the aforesaid embossed portions being coplanar with the high area of each ring-like portion extending around its respective hole, the high area of each arc portion extending along its median circumferential line, and the high area of each radial portion extending along its median radial line, said bolting on flange also having embossments projecting in the axially opposite direction; namely, embossments extending about substantially the radially outer half circumference of each of said ring-like embossed portions and a bead embossment extending about the central opening and positioned between the central opening and the said ring-like and arc portions of the radially opposite projecting embossment.

2,548,108
FLOW DISTRIBUTOR
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application May 31, 1945, Serial No. 596,958
10 Claims. (Cl. 92—44)

7. In a stock flow device for a paper making machine including a head box adapted for the flow of stock therethrough and a forming wire trained about a breast roll for receiving stock flowing from said head box, the improvement of a plurality of rotatable rolls within said head box beneath the normal level of stock therein parallel to each other extending across the head box transversely to the direction of stock flow therethrough and having closely spaced imperforate surfaces forming a horizontal stock flow

passage therebetween, means for rotating said rolls so that their adjacent surfaces move in the same direction but at different speeds to exert a scrubbing action on stock passing therebe-



tween, and baffle means also extending transversely to the flow of stock through the head box and terminating in closely spaced relation to said rolls to channel stock flow to said rolls.

2,548,109
BIASING SYSTEM FOR MAGNETIC RECORDERS
Walter Howey, Demarest, N. J.
Application April 25, 1947, Serial No. 743,931
4 Claims. (Cl. 179—100.2)



1. In telegraphone magnetic recording device, two electromagnets each having two poles and a field gap between two poles, means for moving a magnetizable record medium through an aperture between them and means passing polarizing direct current, supersonic current simultaneously and audio frequency current through energizing windings on the cores of the electromagnets and means whereby the magnitudes of the supersonic current and polarizing direct current have values such that the audio frequency oscillations will displace the high frequency oscillations about the point of saturation of the magnetizing curve of the electromagnets.

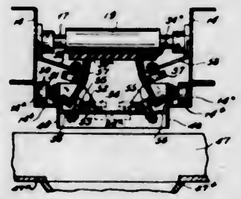
2,548,110
METHOD OF ACTIVATING OXIDE COATED CATHODES
Harold Jacobs, St. Albans, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application March 16, 1949, Serial No. 81,782
2 Claims. (Cl. 250—27.5)

1. The method of activating oxide coated cathodes comprising introducing argon under a pressure of 25–80 microns into a tube structure after initial breakdown and degassing has oc-



curred, and subsequently dispersing free barium metal onto the coated cathode surface by means of a getter flash.

2,548,111
CONVEYER DISCHARGE MECHANISM
Henry S. Johns, Cleveland Heights, Ohio, and William H. Johns, Joliet, and Alfred D. Sinden, Aurora, Ill., assignors, by direct and mesne assignments, to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application August 8, 1944, Serial No. 548,548
28 Claims. (Cl. 198—65)

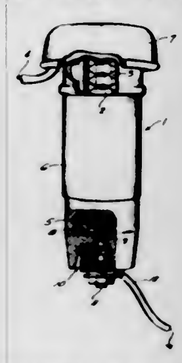


4. In a conveying apparatus comprising a continuous movable tubular conveyor belt having a base and sides and wherein the base extends beyond the sides thereby to provide supporting flanges for the said belt and wherein the outer edges of the sides are provided with interlocking means, side members and means for driving successive charged interlocked portions of the belt between said members with the sides of the belt directed downwardly, rollers carried by the said side members and engaging beneath the flanges of the belt, an unloading device comprising a carriage interposed between and supported by said side members and through which carriage the belt is driven, laterally spaced separators carried by the said carriage and arranged to engage the inner surfaces of the sides of the successive portions of the belt which pass through the carriage, thereby to disengage the interlocked edges of the belt, additional laterally spaced separators carried by the carriage and located beyond the first mentioned separators and serving to spread the outer edges of the sides of the belt apart a sufficient distance to permit the load to drop freely therebetween.

2,548,112
RESISTOR TYPE ISOLATOR FOR LIGHTNING ARRESTERS
Oscar H. Kaminky, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application August 6, 1949, Serial No. 108,878
5 Claims. (Cl. 200—115)

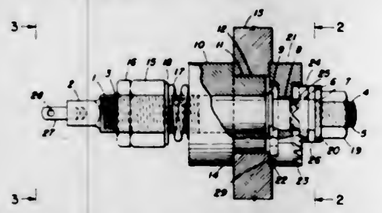
1. The combination of a lightning arrester having one end arranged for connection to a power line and having a second end, an isolating device having a first terminal connected to the

said second end of said lightning arrester and having a second terminal connected to the ground and having an annular breakable shell normally holding said first and second terminals apart, an explosive charge arranged to explode and break



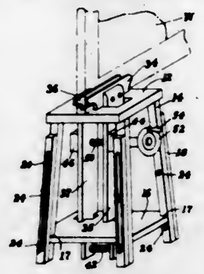
said shell on excessive flow of current from said first to said second terminals, and a resistor composed of negative resistance material bridging the said first and second terminals of said isolating device.

2,548,113
HANDHOLE REFACING TOOL
John R. Kruse, Maplewood, N. J., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application October 15, 1947, Serial No. 779,877
4 Claims. (Cl. 90—12)



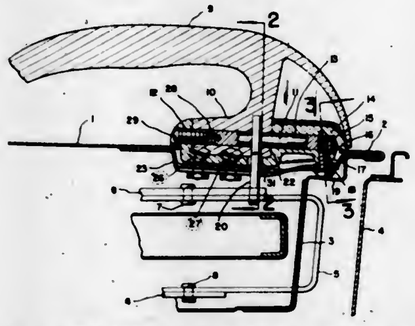
1. In a grinding tool for cleaning and refacing the sealing surfaces of circular access holes and the like in vessel walls and the like, the combination of a rotatable cutter having a cutting edge contactable with the wall sealing seat around the hole to be finished, a spindle extending from said cutter and wall seat through said hole to the opposite wall side, means mounting the cutter on the spindle for rotation therewith accompanied by freedom of said cutting edge to tilt into planes out of normal with the spindle's axis of rotation as best contact with said seat surface may require, means carried by the wall-seat end of said spindle for bearing against the cutter to press it against the said seat to be finished, a thrust-transmitting washer interposed around the spindle between said end means and the cutter and having on each side a diametrically extending raised ridge displaced by about 90 degrees from a similar raised ridge on the other washer side whereby to provide universal joint action that permits cutter tilting as aforesaid, means at the other end of the spindle for engaging said opposite side of the wall in a way to exert upon the spindle an adjustable endwise pull which urges the cutter against the hole-sealing seat as aforesaid, and means for imparting rotation to the spindle.

2,548,114
WORK SUPPORTING AND CLAMPING STAND
Angus MacLeod, Boston, Mass.
Application April 7, 1948, Serial No. 19,620
1 Claim. (Cl. 144—288)



Holding apparatus comprising a table top and supporting legs therefor extending downwardly therefrom, a base member spaced downwardly from said top and between and supported by said legs, said table top having an opening extending therethrough, said base member having an opening extending therethrough, two gripping members embodying jaw portions above said table top and having extension portions extending from said jaw portions through said table top opening downwardly and through and extending below said base member opening, a pin member extending between and connecting said extension portions below said base member, a coil spring on said pin member between said extension portions normally under compression, means connecting said extension portions below said table top and above said base member embodying a lead screw that screw-threadedly connects with one said extension portion and extends through the other said extension portion and abutment means on said lead screw one on each side of said other extension portion to move one said gripper member away from or towards the other upon actuation of said lead screw.

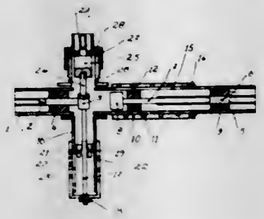
2,548,115
VEHICLE DOOR HANDLE ASSEMBLY
Clare M. MacKichan, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 16, 1946, Serial No. 670,194
3 Claims. (Cl. 292—348)



3. A handle assembly for a vehicle door comprising an escutcheon having a recess therein, means passing through a wall of said recess for securing the escutcheon to the door, a handle

having a shank fitted into said recess, said shank covering said securing means whereby the securing means is inaccessible for removal, a pin upon which said shank is journalled mounted in said escutcheon, said pin having at least one end accessible for removal from the outer face of the door, and means engageable with said pin for locking said pin in said escutcheon, said last mentioned means being assembled to said escutcheon and pin from the inside face of the door whereby the said means is inaccessible when the door is closed.

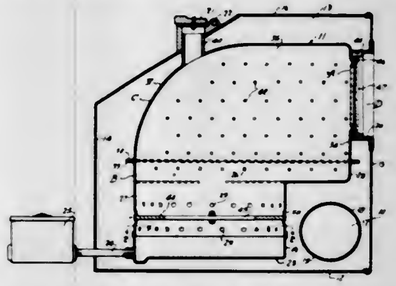
2,548,116
ATTENUATOR FOR VERY HIGH FREQUENCY WAVES
Herbert François Mataré, Vaucresson, France, assignor to Societe Anonyme dite Compagnie des Freins & Signaux Westinghouse, Paris, France
Application January 19, 1950, Serial No. 139,431
In France February 1, 1949
3 Claims. (Cl. 178—44)



1. In an attenuator in combination an input and an output wave-guide in coaxial alignment and in energy-transmitting relationship with each other at their inner ends, an axial rod through the input guide and a telescopable axial rod through the output guide, means at the outer ends of each of said rods cooperating with the adjacent ends of the related guides for connection thereof with an energy-transmitting and receiving means respectively, a fixed input coupling element at the inner end of said first rod and an output coupling element at the inner end of said telescopable rod movable towards and away from said input coupling element for transmitting a variable fraction of the available amount of input energy on said input coupling element, adjustable short-circuiting means in series with said input coupling element for varying said available amount of input energy thereon, a rectifier member connected at one end with said input coupling element and a de-coupling means connected with the other end of said rectifier, and an indicating instrument connected with said de-coupling means.

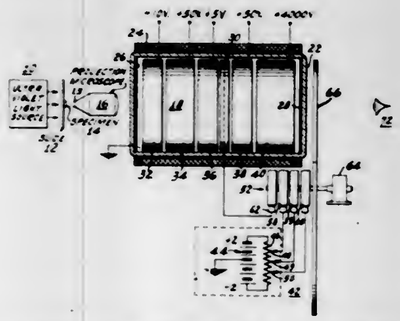
2,548,117
VAPORIZING TYPE OIL BURNER
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 15, 1947, Serial No. 768,762
3 Claims. (Cl. 158—91)

1. A vaporizing burner comprising a bottom wall adapted to serve as a fuel receptacle, a tubular side wall in the form of an elbow secured to said bottom wall and extending upwardly and laterally therefrom, a substantially vertical end wall connected to the lateral portion of said side wall remote from said bottom wall and having a relatively large discharge opening therein, the upwardly extending portion of said tubular side wall adjacent the bottom wall being cylindrical and the laterally extending portion of said side wall above said cylindrical portion and adjacent said end wall being generally rectangular in cross-section and having two opposite parallel vertical planar wall portions provided with a plurality of spaced apart parallel air inlet openings therein whereby air entering said burner through said parallel inlet openings takes the form of substantially parallel jets, said cylindrical portion having a plurality of converging air inlet open-



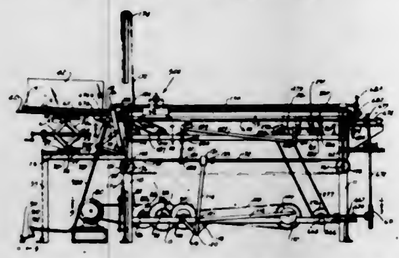
ings therein whereby air entering said burner through said openings takes the form of converging jets, a minor portion of said air inlet openings being formed in said cylindrical portion and a major portion of said air inlet openings being formed in said two opposite parallel vertical planar wall portions of said laterally extending portion of said side wall, the said major portion of the air inlet openings having a greater total area than that of the said minor portion of the air inlet openings.

2,548,118
ART OF ANALYZING OPTICAL IMAGES
George A. Morton and Gardner L. Krieger, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 1, 1950, Serial No. 159,356
7 Claims. (Cl. 313—65)



1. A image tube comprising an evacuated envelope containing a photo-cathode, a target for receiving an electron-image from said cathode, at least one electrode for accelerating electrons from said cathode along a path terminating at said target, and velocity filtering means located at an intermediate position along said path and responsive to polarization at a control potential for preventing electrons within a selected range of initial velocities from reaching said target.

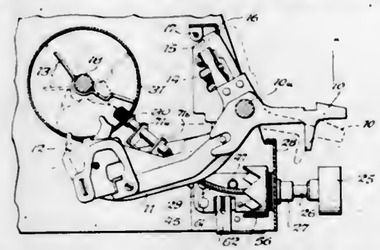
2,548,119
STENCIL PRINTING MACHINE
George H. Pembroke, New York, N. Y.
Application May 20, 1947, Serial No. 749,120
11 Claims. (Cl. 101—126)



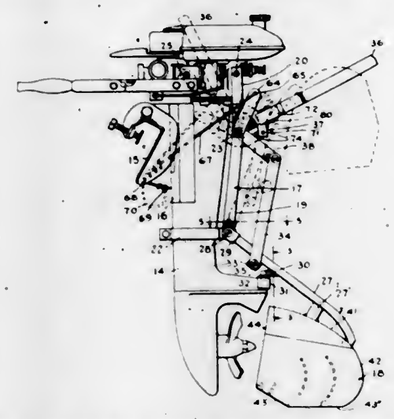
1. A stencil printing machine including a work supporting surface, a stencil carrying frame movable toward and away from said work supporting surface, an inking carriage carried by said stencil frame and movable along said stencil frame and means responsive to the movement of the stencil frame toward and away from the work supporting surface to control the feeding and positioning of work on said surface; said means comprising a plurality of feed belts and a stop member; said feed belts being operative to move work on said work supporting surface when the stencil frame is raised and being inoperative to move said work when the frame is lowered; said stop member extending normal to the direction of movement of the work and being raised on said surface when the stencil frame is raised and being removed from stopping relation with said surface when the stencil frame is lowered and a side guide; said side guide coacting with the belts and the stop member to control the position of the work on the work supporting surface; said side guide extending parallel to the direction of movement of the work and normal to the stop member, said side guide being raised when said stencil frame is raised and lowered when said stencil frame is lowered; said side guide having a clamping surface for pressing the work against said work supporting surface and holding the work stationary when said side guide is lowered and finger members operable through said side guide as the side guide is lowered to move the material to be clamped to accurate registry.

2,548,120
MANUAL DRIVE SYSTEM FOR RADIO RECEIVERS
Marion J. Pifer, Williamsville, and Alvin D. Meyer, Kenmore, N. Y., assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts
Application October 22, 1948, Serial No. 55,928
2 Claims. (Cl. 74—10)

1. In a radio receiver having a tuner, a plurality of pushbuttons and a manual drive for operating said tuner, a shaft for rotating said tuner having a gear, a second gear on said manual drive for engaging the first said gear, said second gear mounted for movement toward and away from the first said gear, and biased toward engagement with the first said gear, a pivoted lever having a portion restraining movement of said second gear into engagement with the first said gear, a flipper plate mounted on said lever for translational and limited swinging movement, a cupped cam mounted on said manual drive and engaging said flipper plate to produce translational movement thereof, and partial rotation of said pivoted lever, spring means secured to said flipper plate to effect swinging movement thereof out of engagement with said cam at the extremity of movement thereof effected by said cupped cam, and latching means for releasably holding said pivoted lever in the position to which it is moved by said cam, whereby said second gear is biased into engagement with the first said gear.



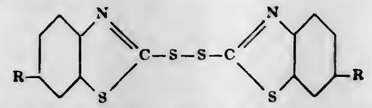
2,548,121
PROPULSION CONTROL FOR OUTBOARD MOTOR BOATS
Paul R. Reid, Madill, Okla.
Application August 11, 1947, Serial No. 768,015
9 Claims. (Cl. 114—145)



9. A propulsion control attachment for an outboard motor including a screw propeller comprising a guide of general sector shape to be positioned to the rear of the propeller having a top wall, a rear wall and side walls, said guide also having a front entrance opening and a downwardly directed discharge opening, the top and rear walls being longitudinally curved as an arc of an oval, the top wall being curved transversely, the rear wall being straight transversely, the degree of transverse curvature of the top wall descreasing from the forward edge thereof until it merges with the rear wall, the side walls being plain and converging downwardly and rearwardly, and a support for the guide attached to the motor comprising a bar extending longitudinally of the motor, attaching plates at each end of the bar for securing the same to the motor, an arm having one of its ends pivotally connected to the bar and its other end attached to the guide, and lever mechanism pivotally associated with the bar having link connection with the arm whereby operation of the lever mechanism will raise and lower the guide.

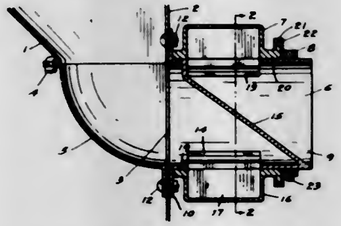
2,548,122
CORROSION INHIBITED GASOLINE
Thomas C. Roddy, Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 27, 1948, Serial No. 29,650
2 Claims. (Cl. 44—63)

1. A gasoline from a high sulfur crude and which is normally corrosive to metal, containing about 0.5 to 10 pounds per thousand barrels of a 2,2'-dibenzothiazol disulfide compound having the formula



where R is selected from the group consisting of hydrogen and alkyl, said small amount of the disulfide compound being effective to render said gasoline non-corrosive to metal while having substantially no effect on the desirable properties and tests of the gasoline.

2,548,123
METERING DEVICE
Herman George Roecker, Fort Garry, Manitoba, Canada
Application October 27, 1949, Serial No. 123,901
2 Claims. (Cl. 222—367)



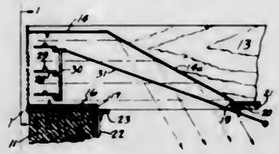
1. A metering device, comprising: a stationary tubing, open at each end and the interior centrally divided by a sloping partition; a pair of openings through the wall of said tubing, at diametrically opposite locations thereon; each of said openings connecting with the interior of said tubing on opposite sides of said partition; an annular drum of U-shape cross-section rotatably mounted on said tubing; said annular drum having partitions thereacross therearound to divide same into pockets, with the openings to said pockets facing interiorly and registerable with the openings in said tubing in the rotation of said drum; means for securing said tubing to a support; means for feeding flowable material into one end of said tubing; and means for rotating said drum.

2,548,124
MANUFACTURE OF GLUTAMIC ACID
Albert J. Schlaeger and Forest A. Hoglan, Toledo, Ohio, assignors to International Minerals & Chemical Corporation, a corporation of New York
No Drawing. Application April 18, 1950, Serial No. 156,732
23 Claims. (Cl. 260—527)

1. The process which comprises hydrolyzing Steffen's filtrate, initially adjusting the pH of the hydrolysate to about 1.6, separating salts and insoluble material, adjusting the pH of the resultant solution to about 3.2 and recovering glutamic acid therefrom.

12. A process which comprises separately preparing an acid hydrolysate of Steffen's filtrate and an alkaline hydrolysate of Steffen's filtrate, combining the two hydrolysates to give a controlled pH of about 1.6, concentrating the resultant solution to crystallize salts, separating said salts therefrom, adjusting the pH of the resultant solution to about 3.2, and recovering glutamic acid therefrom.

2,548,125
BASEMENT WINDOW AND VENTILATOR
Harry O. Schmidt, Pueblo, Colo.
Application September 30, 1948, Serial No. 52,030
4 Claims. (Cl. 98—37)



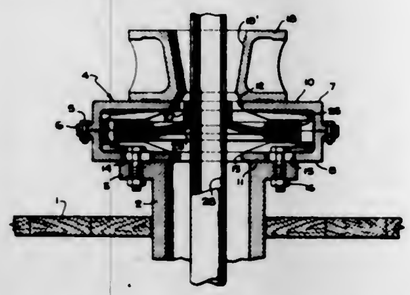
1. A basement light comprising an elongated tubular housing of rectangular cross section adapted to rest in a horizontal position on the top of a foundation wall and extend transversely thereof, the outer end terminating in an opening in a vertical plane for the admission of light, the inner end being closed by an inwardly and downwardly inclined member forming a continuation of the top of the housing, the under surface of said inclined member being reflective, that portion of the housing underneath the inclined member being light transmitting, whereby light entering through the housing will strike the reflecting surface and be directed downwardly into the basement.

2,548,126
LUMINOUS DISPLAY DEVICE
Murray E. Sholkin, Newton, Mass., assignor to Beacon Products Corporation, Boston, Mass., a corporation of Massachusetts
Application June 14, 1946, Serial No. 676,749
2 Claims. (Cl. 40—130)



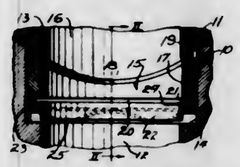
1. A luminous display stand comprising a plastic, transparent light transmitting and illuminating plate adapted to provide illumination of letters on the surface thereof and mounted therein, said plate curving at its bottom in an arch to provide a base and then continuing upwards from the base and terminating in a straight end section and spaced above the base, a cabinet positioned beside said base with one of its surfaces substantially coextensive therewith and with a slot therein at a level to receive the end section of said plate, means securing the end section in said cabinet and a light source in the cabinet adapted to illuminate the edge of the plate in said end section whereby light is transmitted throughout the whole plate.

2,548,127
DEVICE FOR HOLDING WIPERS
Orvel C. Slavens, Long Beach, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey
Application April 14, 1947, Serial No. 741,227
4 Claims. (Cl. 166—14)



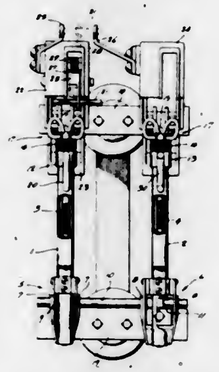
1. In combination with a casing head of a well: a hollow, circular housing, including a bottom wall, a top wall, and aligned axial ports in said walls; radial ribs on the inner opposing surfaces of said top and bottom walls; means for connecting the housing to the casing head; and an annular wiper of larger diameter than the ports in the walls of the housing positioned within the housing and movable transversely therein on said ribs.

2,548,128
SEAL ASSEMBLY FOR FLOW CONTROL DEVICES
Jacob Rush Snyder, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 3, 1944, Serial No. 533,865
3 Claims. (Cl. 251—113)



1. In a fluid flow control device embodying a ported member and a shiftable member for opening and closing the port in the ported member, a seal assembly for said port comprising a rigid retainer member corresponding in shape to the cross-sectional configuration of the port and slidable therein, a resilient sealing means attached to the end of the retainer proximate to the shiftable member, a second resilient sealing means inserted in said port and disposed adjacent the other end of the retainer member, a flanged member within said port having an outwardly tapered face terminating in an out-turned radial flange, said second sealing means surrounding and supported on said tapered face, said radial flange extending close to the wall of the port and backing up said second sealing means, and a single biasing means concurrently urging the retainer member and its sealing means into sealing engagement with the shiftable member and the flanged member against the second sealing means to radially expand said second sealing means against the port wall and to axially urge the second sealing means against the retainer member while confining said second sealing means against extrusion between the port wall and flanged member.

2,548,129
LOAD BREAK DEVICE
Alwin G. Steinmayer, Milwaukee, Wis., assignor to McGraw Electric Co., Milwaukee, Wis., a corporation of Delaware
Application December 1, 1949, Serial No. 130,515
5 Claims. (Cl. 200—126)

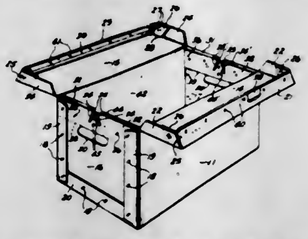


1. A load break device comprising a pair of terminals, a first fuse assembly normally electrically connecting said terminals, a second fuse assembly of less current carrying capacity than said first fuse assembly, and a quick acting transfer switch permanently biased towards closed position for connecting said second fuse assembly in circuit between said terminals, said first fuse assembly being manually movable to open position and said transfer switch having a portion directly engaging said first fuse assembly and being normally restrained thereby, said first and second fuse assemblies being normally in operative position as a permanent part of said load break device and said second fuse assembly being normally out of circuit and ready for instant use.

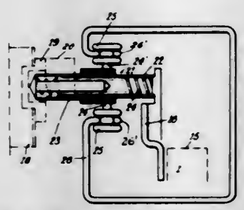
2,548,130
CONTAINER
Elroy R. Stephan, Milwaukee, Wis., assignor to Downing Box Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 4, 1948, Serial No. 58,279
11 Claims. (Cl. 229—23)

6. In a container having side and end walls, each end wall having a pair of downwardly diverging upper edge slots, complementary cover sections hinged to said side walls and having longitudinal edges foldable toward one another over the container, longitudinal flanges on each of said longitudinal edges of the cover sections,

end flanges on the end edges of the cover sections having end edges adjacent the longitudinal flanges which are each at an oblique angle to match the angle of the adjacent end wall slot, one of the pair of slots of each end wall being positioned to receive the ends of the longitudinal flange of one of said cover sections, and the other of the pair of slots of each end wall being positioned to receive the ends of the longitudinal flange of the other cover section when said cover sections are closed, and means connecting the ends of said longitudinal flanges to the oblique end edges of the end flanges of each cover section to maintain each longitudinal flange at an oblique angle to match the angle of its respective end wall slots.

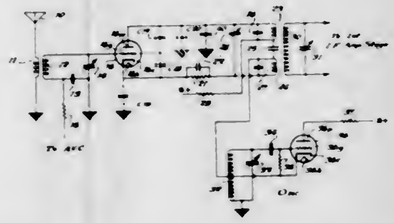


2,548,131
CONVEYER APPARATUS FOR SERVING OF MEALS
Maurice Stern, New York, N. Y., assignor to Mecres, S. A., Panama, Panama, a corporation of Panama
Application April 7, 1948, Serial No. 19,463
5 Claims. (Cl. 198—20)



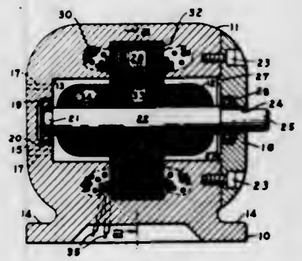
2. In apparatus for conveying dishes in baskets to and from a plurality of meal serving stations and for subsequently conveying the baskets containing the dishes on an auxiliary conveyor through a washing machine, the combination comprising a first endless flexible conveyor, driving means for moving said first conveyor along a path to and from said stations, a plurality of baskets having releasable connections for securing same at spaced points along said first conveyor, said connections comprising retractable trunnion-like devices, an auxiliary conveyor which crosses the path of said first conveyor at two transfer points and members fixed adjacent each of said transfer points for operatively engaging and retracting said trunnion-like devices at predetermined times whereby the baskets are released from the first conveyor onto the auxiliary conveyor and at the second transfer point are reconnected to the first conveyor and thereby transferred thereto from the auxiliary conveyor.

2,548,132
SUPERHETERODYNE RECEIVER EMPLOYING TRIODE CONVERTERS
Jay L. Taylor, Jr., Los Angeles, Calif., assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts
Application July 17, 1945, Serial No. 605,548
1 Claim. (Cl. 250—20)



In a radio receiver of the superheterodyne type employing a triode converter having a cathode, an anode and a control electrode with inherent capacities between electrodes and ground, and a separate oscillator for supplying heterodyning voltage to said converter, in combination, a tunable input circuit connected between ground and the control electrode of said converter, a tuning element in the output circuit, said output circuit being tuned to a frequency substantially different from the frequency of the input circuit, said cathode being maintained at an alternating current potential off ground, and a physical condenser in parallel with the anode ground capacity, of such value that the total control electrode-anode capacity times the total cathode-ground capacity equals the total electrode-cathode capacity times the total anode-ground capacity, an oscillator, and a connection for supplying heterodyning voltage from said oscillator to the output circuit of said converter.

2,548,133
CONSTRUCTION OF ELECTRIC MOTORS AND GENERATORS
Glenn H. Treat, Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application December 21, 1946, Serial No. 717,722
7 Claims. (Cl. 172—36)



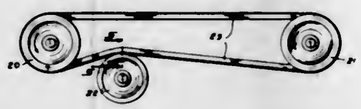
1. A device of the class described comprising a cast metal frame having an annular portion, a stator having an annular core cast in the annular portion with the inner surface of the core substantially flush with the inner surface of the annular portion and having coils of electrical conducting wire secured within the annular portion by having the metal of the frame cast around the coils, and fibrous glass insulating material covering the wire and spacing the windings of said coils from each other.

2,548,134
LOCOMOTIVE STOKER
Edwin Archer Turner, Scarsdale, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application August 7, 1947, Serial No. 767,033
5 Claims. (Cl. 198—15)



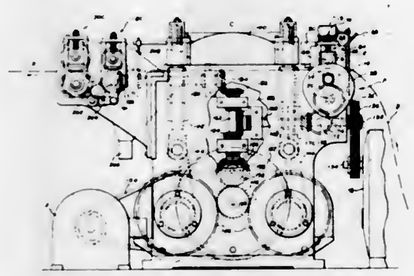
1. A stoker for an intercoupled locomotive and tender, including a fuel discharge conduit section adapted to be rigidly mounted on the locomotive, a fuel receiving conduit comprising a rearward open mouth forwardly opening trough member adapted to be rigidly mounted on the tender and a forward open mouth rearwardly opening trough member mounted telescopically with the forward end of said rearward member to provide for relative longitudinal movement therebetween, said trough members being in axial alinement with their telescoped end portions in circumambient relation, and an inextensible intermediate conduit flexibly connected at its ends with said discharge conduit section and said forward open mouth trough member.

2,548,135
V-BELT POWER TRANSMISSION SYSTEM
William S. Worley, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application July 25, 1949, Serial No. 106,708
6 Claims. (Cl. 74—221)



1. A power transmission system comprising; a drive V-sheave, a driven V-sheave, a V-belt connecting the sheaves in a manner such that the drive sheave transmits power to the driven sheave, an idler pulley disposed between the sheaves having a belt contacting surface juxtaposed to the outer wide side of the belt, and resilient means of appropriate modulus of elasticity and shape disposed on the wide side of the belt adapted to cause the belt to track onto the idler pulley in a plane perpendicular to its axis of rotation, the resilient means being constructed and operable to eliminate any substantial lateral vibration of the belt between the idler pulley and the driven sheave.

2,548,136
REGISTER CONTROL MEANS FOR CONTINUOUS AND INTERMITTENT WEB FEED MECHANISM
Frederick Auer, Teaneck, N. J., assignor to Champlain Company, Inc., Bloomfield, N. J., a corporation of New York
Application June 22, 1946, Serial No. 678,612
31 Claims. (Cl. 271—2.6)

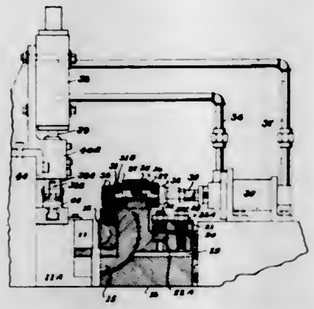


10. Apparatus comprising a machine feeding and operating on a continuously moving web, a machine operating on an intermittently moving web, said web having a slack loop between said machines, top and bottom feed wheels at the second named machine continuously engaging said web, a top shaft carrying said top feed wheels, a common power source for driving said machines and said feed wheels, and means between said power source and said feed wheels to drive said feed wheels intermittently, the intermittent drive from said power source and the aforesaid means being applied to the top feed wheel shaft, said top shaft being removably mounted in the machine with bearings adjustable to receive top feed wheels of different diameter, said means between said power source and said feed wheels including two shafts one of which rotates uniformly and drives the other non-uniformly, one of said shafts having an arm carrying a cam roller engaging a cam on the other shaft, said cam being so shaped that the driven shaft is accelerated, decelerated, and then dwells during each rotation, and means to change the feed of the web in one of said machines relative to the feed of the web in the other of said machines in order to compensate for any error in the feed which might otherwise cause a gradual cumulative change in the slack loop between the machines.

2,548,137
MACHINE FOR MACHINING TAPERED STUDS
John M. Appleton, Muskegon, Mich., assignor to Continental Aviation & Engineering Corporation, Muskegon, Mich., a corporation of Virginia
Application August 6, 1945, Serial No. 609,164
4 Claims. (Cl. 80—8)

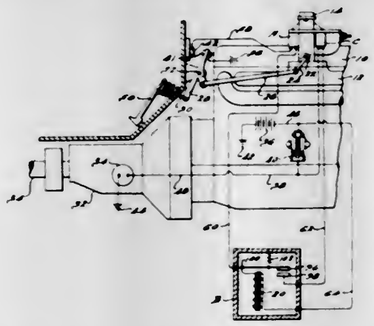
1. In a threading machine, a longitudinally reciprocable member, a stationary member, said members having faces normally parallel to each other, but in spaced relation, a threading die mounted in each of said faces, said dies being in opposed parallel relation and spaced from each

other, means for moving an edge portion of one of said dies toward the other die and means ac-



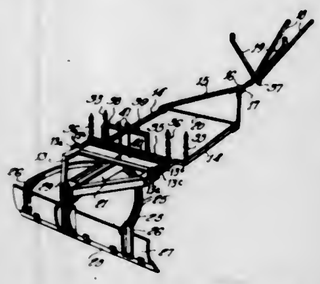
tuated by said reciprocable member during the reciprocation for causing such die movement.

2,548,138
TRANSMISSION CONTROL APPARATUS
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 17, 1947, Serial No. 748,858
11 Claims. (Cl. 74—472)



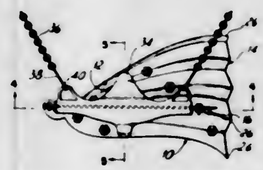
1. In a motor vehicle drive having an engine provided with a carburetor having a mixture conduit and a throttle valve in said conduit, throttle valve control linkage and a variable speed ratio transmission, a solenoid adapted to effect a first speed drive in said transmission when energized and adapted to effect a second speed drive in said transmission when deenergized, a first means including an electrical circuit associated with said throttle valve control linkage and adapted to energize and deenergize said solenoid in response to movement of said throttle valve control linkage, a second means including an electrical circuit and a switch in said circuit, said switch being operably responsive to sub-atmospheric pressure and third means operatively connecting said switch with said conduit on the atmospheric side of said throttle valve so that said second means is actuated by predetermined sub-atmospheric pressure conditions in said conduit related to throttle position and engine speed, said second means being adapted to change the condition of said solenoid established by said first means when a predetermined sub-atmospheric pressure is obtained in said conduit on the atmospheric side of said throttle valve.

2,548,139
DITCHING AND TERRACING ATTACHMENT FOR TRACTORS
Laden S. Berry, Plainview, Tex.
Application June 12, 1947, Serial No. 754,296
1 Claim. (Cl. 37—153)



In an earth moving attachment for a tractor, a main frame supported under and attached to said tractor for angular movement about a horizontal axis and having on its rear end a substantially V-shaped member, a blade having its pivot at the vertex of said member for adjustment to a variety of angles on a horizontal plane in relation to the longitudinal axis of said main frame, an arcuate sub-frame oscillatable below and supported by said main frame, the ends of the sub-frame being attached to the ends of said blade, means for adjusting the depth of penetration of said blade, a vertical frame on the main frame having horizontally parallel members, one being provided with apertures in register with apertures in the companion member, vertical rods interchangeably disposed in said apertures in relative parallelism, and means pivoted for vertical movement on said tractor and extending between and engageable with said rods to limit side draft of said main frame.

2,548,140
JEWELRY ATTACHMENT
Ernst A. Bohlinger, Astoria, N. Y., assignor to Ernst A. Bohlinger and Gustave A. Bohlinger, doing business as Bohlinger Bros., New York, N. Y.
Application March 15, 1946, Serial No. 654,736
6 Claims. (Cl. 63—1)



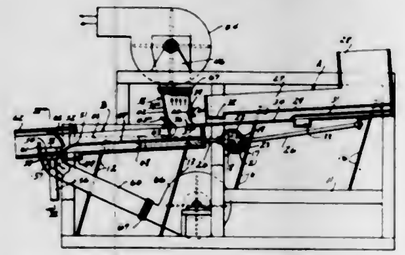
1. An accessory for transforming a pin-attached article of jewelry into a band-attached ornament, said accessory comprising an elongated substantially plane sheet metal body disposed in back of said pin; ears integrally projecting from said body adjacent the opposite ends thereof, said ears being pierced in registry to detachably receive the pin of the article of jewelry, means integrally fixed to and extending from adjacent the opposite longitudinal edges of said body in the same direction as the ears toward the back of the article of jewelry for contacting the rear face of said article at at least two spaced

points, one on each lateral side of the pin, a band, and means to secure ends of the band to said body.

2,548,141
HALO-ARYL ALLYL CARBONATES AND POLYMERS THEREOF
James A. Bralley, Bristol, Pa., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 19, 1947, Serial No. 735,795
5 Claims. (Cl. 260—77.5)

1. A hard, rigid, glass-like, solid thermoplastic polymer of ortho-monochlorophenyl allyl carbonate.

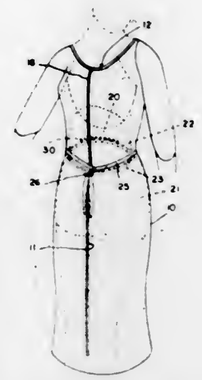
2,548,142
PEANUT CLEANER
Dannie M. Carter, Blakely, Ga.
Application January 16, 1947, Serial No. 722,313
2 Claims. (Cl. 209—44)



1. In a cleaner for peanuts and the like embodying a shaking screen assembly and pneumatic means for removing light foreign matter from the peanuts, the combination of means for removing heavy foreign matter comprising a trough at the discharge end of the screen assembly substantially co-extensive in length with the width of the screen assembly, a perforated bottom for the trough sloping transversely of the shaking screen forming a low point adjacent the longitudinal mid-point thereof, a divider baffle positioned above the low point of the trough to direct the mixed peanuts and heavy foreign matter toward the ends of the trough, a vertically disposed baffle extending substantially the length of the trough and positioned at the side thereof opposite the screen, an air duct beneath the trough substantially coextensive in length therewith, a blower associated with the air duct to direct a current of air upwardly through the perforated bottom with a velocity sufficient to lift only the peanuts, an air baffle over the trough disposed to direct the air borne peanuts over said vertical baffle, a discharge spout for heavy foreign matter having its upper end located at the low point in the perforated bottom and its lower end passing through said air duct, and a plate spaced above the upper end of the spout and disposed to deflect the peanuts and foreign matter against direct entry into the spout as they are delivered into the trough.

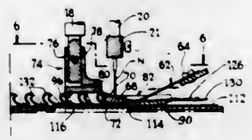
2,548,143
FOUNDATION DRESS ENSEMBLE
Treva E. Christiansen, Grosse Pointe, Mich.
Application June 19, 1948, Serial No. 34,021
5 Claims. (Cl. 2—71)

1. A foundation garment ensemble comprising a step-in dress opened vertically in the front from the neck edging of said dress to a point closely adjacent the lower hem of the skirt portion of said dress, and an inner garment comprising brassière portions each providing a pocket adapted to fit the bust of the wearer, each brassière portion secured to the dress along an edge of the front vertical opening and to the edging of the dress along the front portion of the neck opening and arm opening, and a waist compris-



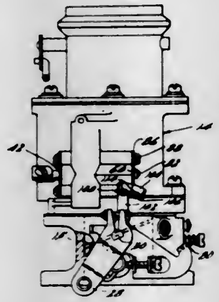
ing a back and two side portions extending around the back and sides of the wearer, said side portions extending upwardly and connected with the brassière portions below the arm openings and said pockets, and panties secured only to the back portion of said waist about the back of the wearer, the upper front edge of the panties being free from attachment to said waist portion and provided with an elastic portion serving to support the ensemble on said wearer.

2,548,144
SEWING MACHINE ATTACHMENT
Samuel Cohen, Fall River, Mass., assignor to Pilgrim Curtain Co., Inc., Fall River, Mass., a corporation of Massachusetts
Application November 10, 1948, Serial No. 59,293
2 Claims. (Cl. 112—134)



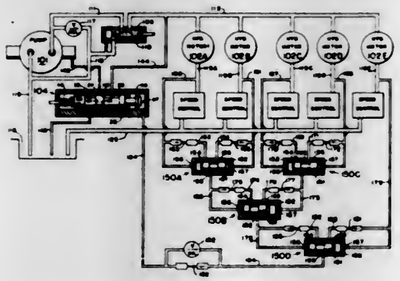
1. A sewing machine attachment comprising a presser foot having a tread including a pair of needle holes, said tread also including a plate rearward of said needle holes, the forward edge of said plate terminating short of said needle holes, the portion of said tread beyond the forward edge of said plate having an undercut groove between the needle holes which runs forwardly from the rear edge of said portion, said presser foot having associated therewith a shirring blade with a V-shaped pushing edge riding on said presser foot plate, said pushing edge having a pair of notches therein to pass needles operating through the needle holes, and means to reciprocate said blade on said plate in synchronism with the feed of a sewing machine.

2,548,145
TRANSMISSION CONTROL SWITCH
John H. Eisenmann, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 17, 1949, Serial No. 81,973
8 Claims. (Cl. 200—59)



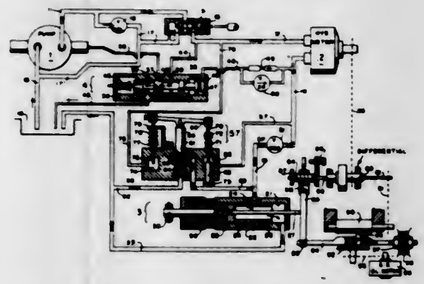
1. A control for an electrical circuit of a motor vehicle having a throttle valve and linkage operable to control the position of said throttle valve, said control including a switch having a shiftable contact operable to selectively energize and deenergize said circuit, means associated with said linkage and operable to move said contact to close said switch and energize said circuit as an incident to movement of said linkage beyond a predetermined limit in a direction tending to open the vehicle throttle, means to lock said switch contact in its closed position, a cam carried by said linkage and mounted for adjustment thereon relative to said last mentioned means and operable to engage said last-mentioned means and release said switch contact as an incident to the return of said linkage to a second predetermined position.

2,548,146
HYDRAULIC TRANSMISSION, INCLUDING ONE PUMP AND A PLURALITY OF MOTORS
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 3, 1947, Serial No. 739,208
14 Claims. (Cl. 60—52)



6. A hydraulic transmission, comprising a pump having means for varying its displacement, a plurality of motors having the inlets thereof connected to the outlet of said pump and adapted to be simultaneously energized by liquid delivered thereto by said pump, means for controlling the speed of each of said motors by throttling the outflow from each motor and thereby imposing a back pressure on each motor, and means for effecting operation of said displacement varying means in response to variations in the back pressure on the motor having the lowest back pressure.

2,548,147
HYDRAULIC TRANSMISSION WITH VARIABLE DISPLACEMENT PUMP, THROTTLED OUTFLOW FROM MOTOR, AND LEAKAGE COMPENSATION
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Original application April 3, 1947, Serial No. 739,208. Divided and this application May 13, 1949, Serial No. 93,170
19 Claims. (Cl. 60—52)

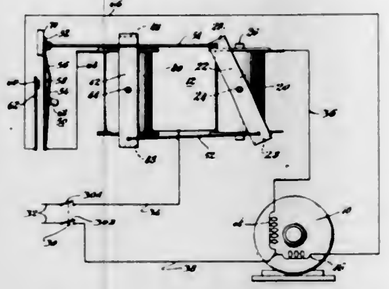


4. A hydraulic transmission, comprising a pump, a motor energized by liquid delivered thereto by said pump, means for controlling the speed of said motor, and means for limiting the rate of delivery of liquid to said motor to the rate required by said motor to enable it to operate at the speed determined by said speed control means, said speed control means including means for choking the outflow from said motor to thereby control the speed of said motor and means responsive to variations in the drop in pressure across said motor for adjusting said choking means to thereby compensate for variations in the slip of said motor due to variations in motor load.

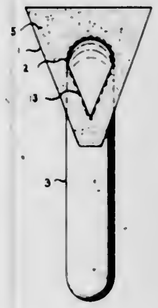
17. A hydraulic transmission, comprising a motor for driving a load, a pump for supplying motive liquid to said motor to energize the same, means for controlling the speed of said motor including a choke for throttling the outflow from said motor and a constant pressure valve for maintaining the pressure at the inlet of said choke substantially constant, said speed control means maintaining a back pressure on said motor, and a pump control responsive to said back pressure and to the pressure created by said pump for adjusting the displacement of said pump.

2,548,148
MOTOR STARTING CIRCUITS AND RELAY
Hardin Y. Fisher, Hillside, and Edgar M. Soreng, Skokie, Ill., assignors to Soreng Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application March 1, 1948, Serial No. 12,396
2 Claims. (Cl. 200—98)

1. A split-phase motor starting relay including a mounting plate, a relatively stationary switch contact on said mounting plate, a support mounted on said plate, a pair of coils having axially extending cores mounted on said support, armatures associated with each of said coils and cores pivotally mounted upon said support, means connecting adjacent ends of said armatures so that one armature is in alignment with its coil and core and the other one is out of alignment with its associated coil and core, a movable switch contact mounted on said plate, and means operatively connecting said interconnected armatures to said movable contact.

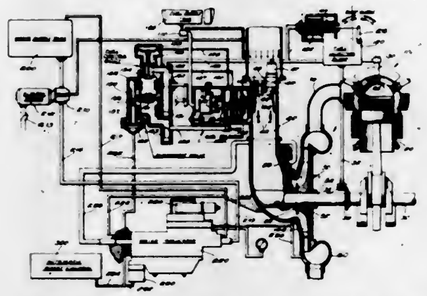


2,548,149
URINAL SPECIMEN BAG
Preston L. Fowler, Jr., Durham, N. C.
Application September 29, 1949, Serial No. 118,511
1 Claim. (Cl. 128—295)



A bag for obtaining urinary specimens from female infants and the like subjects comprising, a first generally triangular, flat shield of pliable sheet material having a generally triangular central opening therethrough, an adhesive coating on one side of said first shield whereby said one side may be adhesively attached against the skin of a subject around a body opening with the opening in said first shield in registry with said body opening while the other side of said shield constitutes an outwardly-presented surface, an open-ended receiving tube, a second generally triangular, flat shield of pliable sheet material having a generally triangular central opening therethrough, means securing the open end of said receiving tube to one side of said second shield with the open end of said tube in registry with the central opening thereof and another adhesive coating on the other side of said second shield for releasably holding the open end of said receiving tube in registry with said body opening.

2,548,150
FUEL AND WATER SYSTEM
Samuel S. Fox, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 7, 1947, Serial No. 746,611
13 Claims. (Cl. 123—25)



1. In combination with an engine having a supercharger, means for supplying water to the engine including a water supply line, and means responsive to the pressure rise across the supercharger for directly controlling said water supplying means, said means including a diaphragm connected to a water pressure control valve in said water supply line.

2,548,151
COMBINED PLASTIC ARTICLE AND INSERT
Theodore Friedman, New York, N. Y.
Application February 20, 1946, Serial No. 648,922
2 Claims. (Cl. 40—156)

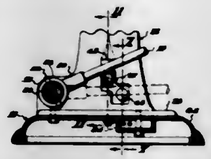


1. A combined article and insert, said insert being made wholly of plastic material, said article having an opening therethrough, said insert comprising a frame and characters within said frame and integrally united thereto, space being provided between at least some of said characters and at least a portion of said frame whereby said insert may be sprung into position within said opening upon flexing said frame.

2,548,152
IRONER WITH PRESSURE ADJUSTMENT
John J. Getgey, Cincinnati, Ohio, assignor to Empire Ironer, Inc., Cincinnati, Ohio, a corporation of Ohio
Application April 17, 1947, Serial No. 742,018
3 Claims. (Cl. 38—60)

1. In a portable ironer having a base, a cantilever bracket mounted on the base, an ironing roll rotatably mounted on the cantilever bracket,

power means for driving the roll, and an ironing shoe engageable with the roll, means for locking the shoe in operative engagement with the roll comprising; a rock shaft mounted on the base parallel with the ironing roll, a bracket connecting the rock shaft to the ironing shoe, a hand lever, means attaching the lever to the rock shaft, said means permitting horizontal movement of the lever relative to the base, said cantilever bracket including a pair of abutments located at different elevations relative to the base with



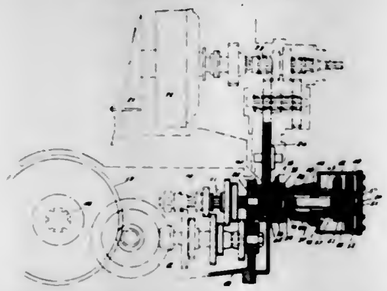
the lower abutment being offset laterally with respect to the upper, the upper abutment being engageable by the lever when the shoe is away from the roll and the lower engageable by the lever when the shoe is operatively engaged with the roll, a switch assembly unit for controlling the power means, said assembly unit including the lower abutment as a part thereof, and said unit being vertically adjustably mounted with respect to the base whereby the pressure between the operatively engaged shoe and roll may be varied.

2,548,153

CHANGE-SPEED TRANSMISSION

Raymond E. Gill, Indianapolis, Ind., assignor to J. D. Adams Manufacturing Co., Indianapolis, Ind., a corporation of Indiana

Application October 28, 1948, Serial No. 57,106
4 Claims. (Cl. 74—745)



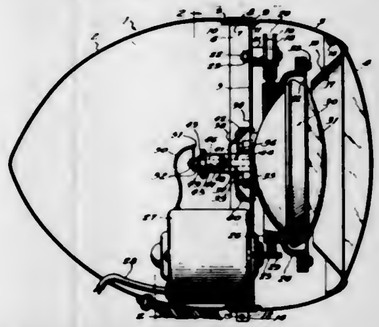
1. In combination with a change-speed transmission mechanism having a housing provided with an opening in one wall, a shaft rotatably mounted within said housing in alignment with said opening, a gear adapted normally to mesh with a pinion on said shaft, and means for operatively connecting said gear to a source of power; an auxiliary transmission having a casing secured to said housing at said opening, a sleeve rotatably supported within said casing and extending into said housing in alignment with said shaft, said sleeve having an exterior annular series of gear teeth meshing with said gear, a second shaft rotatable relatively to said sleeve and disposed coaxially therewithin, means removably coupling said second shaft to the first named shaft, and power-transmission means located within said casing for interconnecting said sleeve and second shaft at any of a plurality of different speed ratios.

2,548,154

ROTATABLE WARNING SIGNAL LIGHT

Earl W. Geeswiller, Chicago, Ill., assignor to Federal Enterprises, Inc., a corporation of New York

Application February 16, 1946, Serial No. 648,119
2 Claims. (Cl. 240—48)



1. A signal light comprising a casing having a translucent wall, a partition mounted in said casing, circumferentially spaced guide rollers carried by said partition, a retaining frame, a resilient tire carrier by said frame, said tire and frame being rotatably carried by said guide rollers, a unitary light assembly disposed substantially centrally behind said transparent wall, comprising a coaxially disposed reflector and lens and interposed electric light source removably mounted upon said frame, rotary driving means frictionally contacting said tire for rotating said frame to project from said casing through said transparent wall a concentrated rotating beam of light.

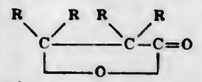
2,548,155

PREPARATION OF AMIDES

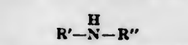
Thomas L. Gresham and Forrest W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 2, 1948, Serial No. 52,597
8 Claims. (Cl. 260—561)

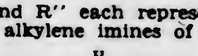
1. The method which comprises bringing together in water solution a beta-lactone of the structure



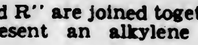
wherein each R is selected from the class consisting of hydrogen and lower alkyl groups so that the beta-lactone contains from 3 to 6 carbon atoms, and a compound of the class consisting of water-soluble primary amines of the formula



wherein R′ represents alkyl and R″ represents hydrogen, water-soluble secondary amines of the structure

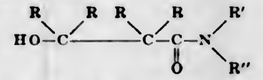


wherein R′ and R″ each represent alkyl and water-soluble alkylene imines of the structure



wherein R′ and R″ are joined together and taken together represent an alkylene group, while

maintaining the temperature of the solution in the range of −10 to 50° C., whereupon chemical reaction occurs to form in water solution an amide of the structure



wherein R, R′ and R″ have the significance above indicated, distilling the water from the solution and then vacuum-distilling the remaining product to recover the said amide in substantially pure form.

2,548,156

PREPARATION OF N-DIALKYL HYDRACRYLAMIDES

Thomas L. Gresham and Forrest W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 2, 1948, Serial No. 52,598
4 Claims. (Cl. 260—561)

1. The method which comprises reactively adding substantially anhydrous beta-propiolactone to a completely organic liquid containing a dialkyl amine of the structure



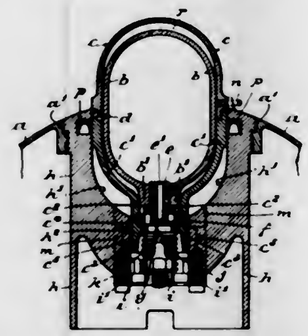
wherein R represents a straight chain alkyl hydrocarbon radical of 1 to 12 carbon atoms, at substantially atmospheric pressure and at a temperature between 0 and 50° C. and such that the reaction mixture is maintained in the liquid state, thereby to form by reaction between beta-propiolactone and the said amine an N,N-dialkyl hydracrylamide, and distilling the reaction mixture to recover a product consisting of amide in substantially pure form.

2,548,157

FIRE EXTINGUISHER

Thomas A. Henshaw, Elland, England, assignor to Nu-Swift, Limited, London, England

Application January 21, 1948, Serial No. 3,570
In Great Britain January 18, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1967
9 Claims. (Cl. 169—31)



1. A fire extinguisher, comprising in combination, a container for the fire extinguishing liquid;

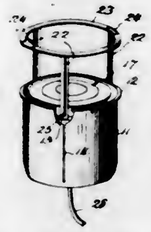
an opening in the upper part of the container; a supporting member secured in said opening; a central opening provided in said supporting member; a gas cartridge holder, the said cartridge holder being made in two halves, one rotatable in relation to the other; a shear pin normally connecting said two halves and holding them against relative rotation; a depending neck provided on said cartridge holder and adapted to slide in the central opening of the supporting member; a piercer fixedly mounted on said supporting member so as to be disposed in said central opening and opposite the inner end of said neck of the cartridge holder; a gas cartridge carried within said holder and having a protruding portion extending into said open neck; an outlet channel provided on said gas cartridge in said protruding portion; a sealing disc provided across said outlet channel; and resilient means for urging said cartridge holder outwardly so as to normally hold said sealing disc clear of said piercer.

2,548,158

NONTILT DEEP WELL APPARATUS

Clare A. Henyan, Newark, Ohio, assignor to Newark Stove Company, Newark, Ohio, a corporation of Ohio

Application December 9, 1948, Serial No. 64,408
3 Claims. (Cl. 219—37)



2. A mechanism for regulating a vertically movable electric heating plate comprising, a plate supporting fixture having radially extending support rods, a cylindrical well jacketing having vertical slots spaced in correspondence with said rods in which are formed perpendicularly extending notches at predetermined levels each profiled to present a curvature to support a related one of said rods, and a manipulator comprising a ring from which hang downwardly three vertically slotted elements for engaging said support rods, the slots in said elements terminating at their lower extremities with notches profiled in vertically inverse outline to those of said jacketing slot notches.

2,548,159

GROUP VIII SILICATE CATALYST ON NONSILICEOUS SUPPORT

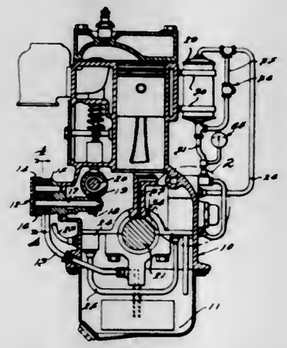
Johannes Paulus Willem Houtman, Willem Frederik Engel, Han Hoog, and Peter van't Spijker, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 13, 1948, Seriel No. 2,133. In the Netherlands January 17, 1947
11 Claims. (Cl. 252—455)

1. A hydrogenation catalyst consisting essentially of a relatively inert, silica-free aluminous support, a precipitated silicate of a metal of group VIII, and a metal of group VIII in intimate

association therewith, the amount of metal of group VIII present as a silicate being about 0.5% and 60% of the total amount of said metal, the total amount of said metal being between about 10% and 60% on the finished catalyst.

2,548,160
ENGINE LUBRICATING SYSTEM
William A. Hunter, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 15, 1945, Serial No. 616,496
11 Claims. (Cl. 184—6)

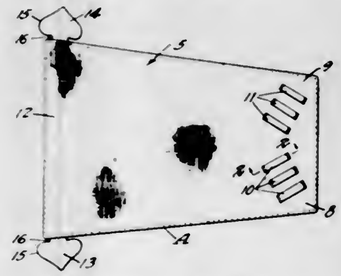


1. An engine lubricating system including a lubricant sump, a pump connected with said sump for withdrawing lubricant therefrom, a filter having an inlet and an outlet, an outlet passageway leading from said pump to said filter for supplying lubricant under pressure to the latter, means including a lubricant delivery passage communicating with said filter for supplying lubricant therefrom to parts of an engine to be lubricated, a by-pass passageway connected at one end with said pump outlet passageway and at its other end with said lubricant delivery passage, a pressure responsive valve normally closing said by-pass passageway and adapted to accommodate the flow of lubricant through said by-pass passageway when the pressure on said valve is raised to a predetermined value after said filter becomes clogged, an emergency lubricant supply passageway leading from said pump outlet passageway to said lubricant delivery passage and by-passing said filter for supplying lubricant from said pump directly to said parts of said engine to be lubricated without passing it through said filter, and a pressure responsive valve in said emergency lubricant passageway for obstructing the flow of lubricant therethrough when the pressure of the lubricant in said pump outlet passageway exceeds a predetermined value.

2,548,161
PROCESS FOR THE PREPARATION OF BETA-CHLORO ACYL CHLORIDE
Jacob Eden Jansen, Akron, and Warren L. Beears, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 22, 1950, Serial No. 151,312
7 Claims. (Cl. 260—544)

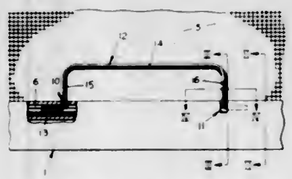
7. In a method for preparing beta-chloropropionyl chloride which comprises reacting beta-propiolactone with thionyl chloride, the improvement which comprises adding the beta-propiolactone to the thionyl chloride while maintaining the temperature of the reaction mixture at from 20° C. to 30° C., thereafter adding from 1% to 2% by weight of concentrated sulfuric acid, heating the resulting mixture to a temperature of from 35° C. to 65° C. and distilling the reaction mixture to recover said beta-chloropropionyl chloride.

2,548,162
DIAPER
Amanda O. Karels, Young America, Minn.
Application December 1, 1949, Serial No. 130,527
5 Claims. (Cl. 128—284)



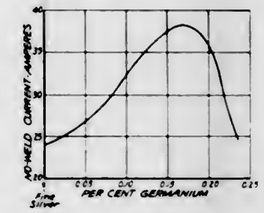
1. A pinless diaper for a baby comprising a sheet member of substantially trapezoidal shape having at least one loop secured to one side of said sheet member at each corner portion of one end of said sheet member, said loops being oriented substantially parallel to the diagonals of said trapezoidal shaped member opposite the corner to which the particular loop is secured, and a locking tab attached to each corner portion of the other end of said sheet member, the tabs being adapted to be engaged with loops at the same side of the sheet member whereby the corners of the sheet member at the same side thereof may be secured together in overlapping relation after the sheet member has been carried around a baby's body.

2,548,163
HANDLE STRUCTURE FOR SCREEN SASHES
Harry A. Kaufmann, Detroit, Mich., assignor to The Kaufmann Corporation, Detroit, Mich., a corporation of Michigan
Application June 17, 1950, Serial No. 168,754
2 Claims. (Cl. 160—371)



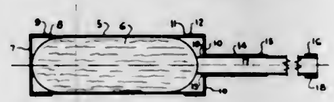
1. In a handle and handle mounting for a screen sash frame having a frame element with a longitudinally disposed channel opening on a side thereof, and adjacent to the inner edge thereof, said channel having an inner wall and a bottom, and being narrower at its mouth than at its bottom, and having the edge of a screen panel held within said channel by means of a spline, the combination comprising: a U-shaped, wire handle having a central portion, a pair of parallel legs extending in the same direction from opposite ends of said portion and being perpendicular thereto, and coaxial pivot members parallel with said central portion and extending from the free ends of said legs; means providing a pair of slots in the inner edge of said element, said slots extending through said channel inner wall and into said channel bottom a distance slightly greater than the diameter of said legs, and said slots being spaced from each other the same distance as said legs for slidable reception of said legs thereinto, said pivot members being pivotally disposed within the corner of said channel formed by the junction of said inner wall and said bottom and being between said junction and said spline; whereby said handle is held by said spline within said corner and may be pivoted into and out of a position disposed adjacent to said panel and entirely between planes defined by the interior and exterior surfaces of said frame element.

2,548,164
ELECTRICAL CONTACT
John D. Kleis, Lake Forest, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application November 28, 1947, Serial No. 788,526
2 Claims. (Cl. 75—173)



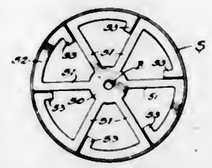
1. An electrical contact formed of an alloy composed of fine silver and germanium, the germanium constituting up to 0.23% of the alloy, the contact being characterized by having a "no weld" current characteristic in excess of the "no weld" current characteristic of contacts formed of fine silver.

2,548,165
KITCHEN UTENSIL FOR CORING FRANKFURTERS
Henry Koch, Harrisburg, Pa.
Application December 29, 1949, Serial No. 135,648
4 Claims. (Cl. 30—124)



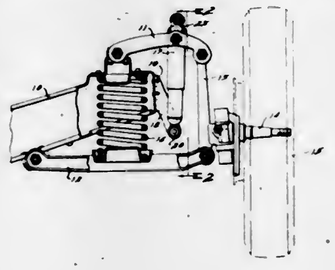
4. A kitchen utensil for coring frankfurters, adapted for manual manipulation, comprising an elongated housing having an inner surface for snugly engaging a frankfurter, a removable cover for one end of said housing, a closure for the other end of said housing, said closure having a guide means disposed axially of said closure and housing, and an elongated cylindrical coring member snugly engaging and slidably mounted within said guide means, said coring member having an annular knife portion at its innermost end.

2,548,166
ABRASIVE SLEEVE HOLDER
George A. Larson, Rockford, Ill.
Original application May 15, 1946, Serial No. 669,869, now Patent No. 2,483,422, dated October 4, 1949. Divided and this application August 2, 1949, Serial No. 108,093
17 Claims. (Cl. 51—191)



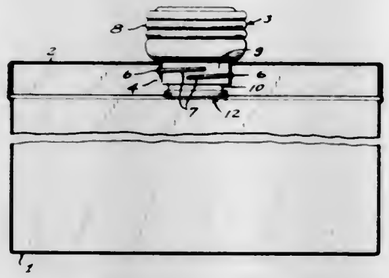
12. An abrasive sleeve holder comprising a rotatable hub, a resilient arcuately sectional band for supporting a surrounding abrasive sleeve, the band being concentric with the hub and expansible under centrifugal force for movement outwardly away from the hub, said sections of the band being separated from those adjacent by a narrow gap and expansible in a radial direction independently of the others, and resilient driving means formed integral with the band and removably interlocked with the hub.

2,548,167
SHOCK ABSORBER MOUNTING
Ross Lewton, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 1, 1946, Serial No. 707,229
3 Claims. (Cl. 267—8)



1. In a motor vehicle having a frame and an independent wheel suspension assembly, an upper control arm pivotally mounted at one end thereof on said frame, a lower control arm pivotally mounted at one end thereof on said frame, a coil spring positioned between said frame and an intermediate portion of said lower control arm, means supporting a wheel from the free ends of said upper and lower control arms, a bracket extending laterally of said frame between said spring and said wheel, and a vertical hydraulic shock absorber having a fluid reservoir element and a piston, said reservoir element being spaced laterally of said frame and mounted on said bracket at a location between said spring and said wheel and said piston being operatively connected with an intermediate portion of said upper control arm.

2,548,168
FOOD RECEPTACLE WITH DESICCANT
Richard W. Luce, Southport, Conn., assignor to Luce Manufacturing Company, Groton, Vt., a corporation of Delaware
Application January 4, 1949, Serial No. 69,199
2 Claims. (Cl. 312—31.1)



2. For a receptacle especially adapted for containing hygroscopic food and including a container for the food and a cover having an opening therethrough adapted to receive a threaded shank; a desiccant holder adapted to be received in the opening through the cover, the desiccant holder consisting of color-transparent, heat-resistant glass and including a hollow, dome-shaped portion constituting a knob by which the cover may be removed from the container and a cylindrical skirt portion of lesser diameter than the dome-shaped portion and having a thread thereon adapted to be received in threaded engagement in the opening through the cover and a circumambient bead at the end thereof, a perforated metal cap at the end of the skirt portion having the edge thereof spun over the said bead, whereby the cap is permanently affixed to the holder, and a regenerative desiccant with a color indicator within the holder and visible therethrough.

2,548,169
STABILIZATION OF POLYVINYLIDENE CYANIDE SOLUTIONS
Floyd F. Miller, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 17, 1949, Serial No. 93,816
8 Claims. (Cl. 260—45.7)

1. A composition comprising a solution of a polymer of vinylidene cyanide stabilized with an oxide of sulfur.

2,548,170
SPARK PLUG
Robert H. Moth, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application December 30, 1948, Serial No. 68,295
7 Claims. (Cl. 123—169)

1. A sparking device comprising at least two electrodes spaced in sparking relationship to each other, at least one of said electrodes having a recess in its wearing surface, a non-conductive separator held between said electrodes, said separator resting on the periphery of said recess, said separator having the surface of said separator tapering outwardly from a point located within said recess, said electrodes being under tension toward each other and said separator

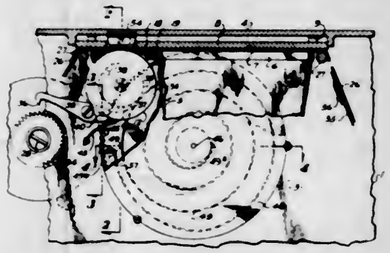


holding said electrodes at a substantially constant sparking distance from each other.

2,548,171
PREPARATION OF SATURATED ALDEHYDES FROM UNSATURATED ALCOHOLS BY MEANS OF METAL CARBONYLS
Robert Thorwald Olsen, Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 5, 1948, Serial No. 58,613
5 Claims. (Cl. 260—601)

1. The process of producing saturated aldehydes which comprises heating in the presence of an alkali an unsaturated alcohol selected from the class consisting of open chain and cyclic olefine alcohols and acetylenic alcohols with a metal carbonyl capable of forming metal hydrocarbonyls selected from the class consisting of iron and cobalt carbonyls.

2,548,172
STRIP METERING CONSTRUCTION
Gordon B. Pollock, South Laguna, Calif.
Application March 16, 1946, Serial No. 654,895
15 Claims. (Cl. 242—71)

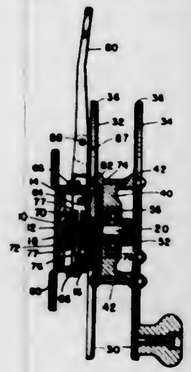


1. In a device for moving longitudinally a strip having a relatively thick portion and a relatively thin portion, means for measuring the movement of only the relatively thick portion of the strip, comprising: means defining a passage for longitudinal movement of the strip; a strip locating member positioned to engage one surface of a strip in said passage and thereby establish said one surface at a given location; and a metering roller disposed opposite said strip locating member and having its periphery so spaced from said member as to be frictionally engaged and rotated by the other surface of said strip when the relatively thick portion of the strip is moved between said member and said roller; the spacing of said roller from said strip locating member being greater than the thickness of the relatively thin portion of said strip so that the periphery of the roller is free from engagement by said other surface of the strip when said relatively thin portion is interposed between the strip locating member and the roller.

2,548,173
PROCESS OF MAKING 5-NITRO-2-FURALDEHYDE SEMICARBAZONE
Robert F. Raffauf, Norwich, N. Y., assignor to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York
No Drawing. Application July 19, 1946, Serial No. 684,767
7 Claims. (Cl. 260—345)

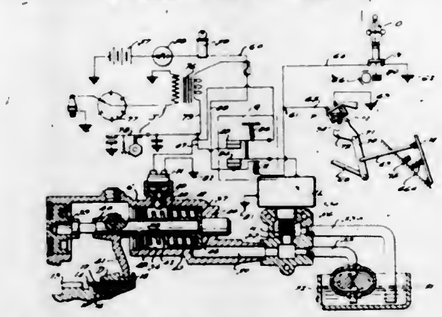
1. The process of making 5-nitro-2-furaldehyde semicarbazone, which comprises adding 5-nitrofurfural diacetate to a solution of semicarbazide hydrochloride in water containing a catalyst consisting of a small percentage of a strong mineral acid, and supplying heat to said ingredients until they start to react.

2,548,174
SINGLE ACTION FISHING REEL HAVING A COMBINED FRICTION DRAG AND BRAKE
Frank Rastler, Renton, Wash.
Application April 12, 1948, Serial No. 20,415
3 Claims. (Cl. 242—84.5)



1. A fishing reel of the single action type, consisting of: a frame having a plate portion and inturned ends; a pole clip having seat-engaging ends, a central portion forming an inner plate and portions intermediate said inner plate and said ends disposed parallel to and abutting said inturned ends of said frame; a pressure screw secured to said plate portion and positioned perpendicular thereto, and having a journal formed on the end of said screw; a line-holding reel revolvably mounted on said journal; a pressure plate slidably mounted on said pressure screw and adapted to frictionally engage said reel; an adjusting disc having interior threads adapted to engage the threads of said pressure screw and disposed to adjustably position said pressure plate against said reel; a brake lever pivoted on means fixed with respect to said frame and having pressure points, disposed on each side of said frame and adapted to selectively engage said pressure plate and move it against said reel.

2,548,175
VALVE UNIT FOR HYDRAULICALLY OPERATED TRANSMISSIONS
Theodor C. Schellinger, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 26, 1947, Serial No. 737,392
9 Claims. (Cl. 74—472)

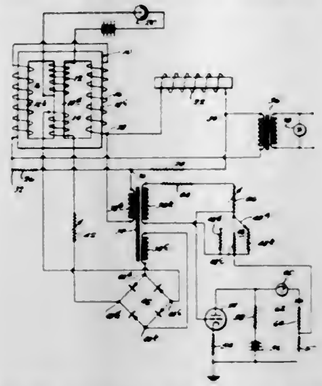


1. In a power transmission for a motor vehicle, a pressure fluid and spring actuated motor, a control element operably connected between said transmission and motor and shiftable by said motor for effecting changes in the speed ratio drive through said transmission, and a control system for said motor comprising a fluid supply, a pump operable to deliver fluid under pressure from said supply to said motor, pressure fluid conduit means connected between said pump and said motor, and a combination motor control and fluid pressure relief valve unit associated with said conduit means comprising a valve casing having a first passageway therethrough forming a part of said conduit means, a second passageway piercing said casing and intersecting said first passageway, a by-pass conduit connecting said second passageway to said fluid supply, a valve seat associated with said second passageway, a combination control and relief valve mounted in said second passageway adapted to normally engage said seat to close off communication between said passageways, resilient means normally urging said valve on said seat, a solenoid unit mounted on said casing including a reciprocable plunger bar adapted to be actuated by energization of said solenoid, means connecting said bar to said valve energization of said solenoid causing said bar to unseat said valve, and means to control energization of said solenoid comprising a first means adapted to be automatically operated and a second means adapted to be manually operated, said second means providing a means to overrule said first means.

2,548,176
AMPLIFIER
Paul T. Semm, Batavia, and Robert T. Nakasone, Chicago, Ill., assignors to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1948, Serial No. 62,746
2 Claims. (Cl. 323—75)

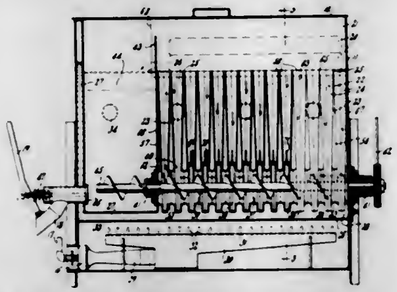
1. An amplifier adapted to respond to a slowly varying current from a low energy level source without reacting thereon comprising in combination, a saturable reactor having a saturating leg and a saturable leg, a winding on the saturating leg adapted to carry said current, a winding on the saturable leg, means defining a bridge circuit incorporating said last winding, means to apply alternating potential across one set of opposed terminals of said bridge circuit, an output

transformer having a primary winding and a secondary winding, means connecting the primary winding across the other set of opposed terminals



of the bridge circuit, a rectifier connected across the secondary winding, a second winding on the saturating leg of the saturable reactor, and means connecting the output terminals of the rectifier to said last winding.

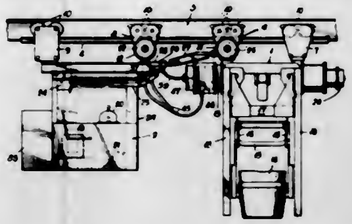
2,548,177
MELTER
Samuel P. Tauber, New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 10, 1948, Serial No. 1,561
10 Claims. (Cl. 126—343.5)



1. A melter comprising a heating grid, an outer tank enclosing said grid and adapted to retain a heating medium in contact therewith, means for heating the bottom of said tank under said grid, said grid comprising a plurality of heating units terminating at their upper ends in narrow cutting edges and having open bottoms and ends in free communication with said tank, whereby the flow of heating medium may be maintained upwardly and laterally towards each end of said unit, and intercommunicating melting compartments formed by the upper surface of said grid and interposed between said heating units.

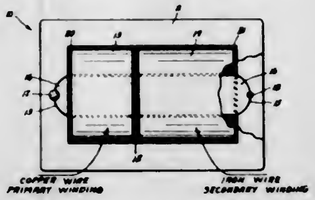
2,548,178
HOT METAL HANDLING APPARATUS
William S. Thompson, Watkins Glen, N. Y., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y., a corporation of New York
Application June 25, 1948, Serial No. 35,081
5 Claims. (Cl. 212—131)

1. Apparatus for handling hot metal, comprising in combination an elevated track, a traveling hoist unit supported by and movable along said track, a molten metal container carried by said hoist unit, an operator's cab unit supported by and movable along said track, a propulsion motor mounted on said cab unit, a motor mounted on said hoist unit, a towing connection between the two units including coupling parts readily adjustable to open and close said connection, motor control mechanism on said cab



unit, a control connection between the two units including circuit making and breaking parts readily adjustable to open and close the last mentioned connection through which the hoisting unit motor may be controlled by said control mechanism, and means on said cab unit operatively connected to said coupling and circuit making and breaking parts for opening said towing and control connections to permit the rapid separation of said units.

2,548,179
TRANSFORMER
Orville J. Underwood, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 1, 1948, Serial No. 30,347
5 Claims. (Cl. 171—242)

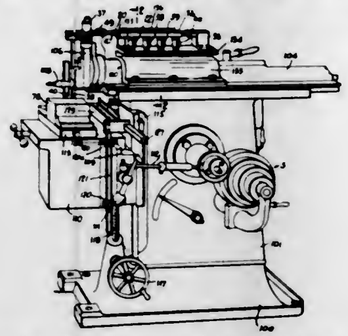


1. A leakage transformer having a continuous magnetic circuit with a primary winding and a secondary winding in inductive relationship mounted thereon, said secondary winding being made of a magnetic material to shunt a portion of said continuous magnetic circuit and provide a path for the leakage flux such that it does not equally thread both of said windings.

2,548,180
AUTOMATIC VARIABLE FEED ATTACHMENT FOR SHAPERS
Leonidas A. Vassakos, New York, N. Y., assignor of one-third to Charles Rosenthal, Teaneck, N. J., and one-third to Alfred Gurkin, Bronx, N. Y.
Application March 26, 1945, Serial No. 584,843
13 Claims. (Cl. 90—24.3)

1. In a machine tool of the character described, a work table, a template near the work table, a reciprocating head, a tool holder on the head, a feed screw mechanism for said tool holder, a

cylinder on said head, a piston within said cylinder, means controlled by movement of the head toward the end of its return stroke for admitting fluid under pressure to one end of the cylinder for moving the piston in one direction, means controlled by movement of the piston in said direction to actuate the feed screw mechanism



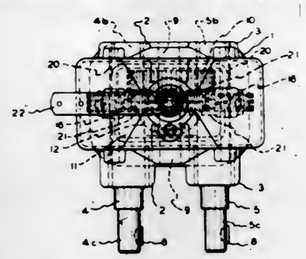
for moving a tool on the tool holder downwardly toward the work table a predetermined maximum distance, and means movable with the tool holder and controlled by the template on the work table to stop the downward movement of the feed screw before said maximum distance is reached.

2,548,181
MANUFACTURE OF CRIMPED FILAMENTS
Henry Von Kohorn and Ralph S. Von Kohorn, New York, N. Y.
No Drawing. Application March 11, 1946, Serial No. 653,701
2 Claims. (Cl. 19—66)

1. In the treatment of viscose fibers for crimping purposes and the like, the method steps which consist in producing a layer-like formation of wetted staple fibers by strewing (by dropping loosely) the wetted fibers into a layer formation of loose fibers with the fibers in superposed relations of patternless type and with the fibers of the layer having limited contact with adjacent superposed fibers to produce a formation having a thickness of not exceeding two inches, and then subjecting the fibers of the formation to the drying action of a high-frequency electric current field upon the formation for a limited period not exceeding one minute of time and with the formation fiber arrangement undisturbed during such period of drying activity by the field, to thereby produce fiber crimping intensity approaching maximum by natural shrinkage activity of the individual fibers.

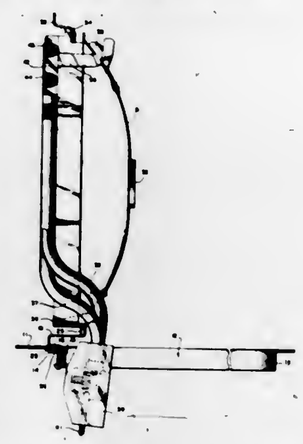
2,548,182
POWER TAKE-OFF
Robert W. Wagner, Chelsea, Mich.
Application January 3, 1948, Serial No. 455
4 Claims. (Cl. 74—15.86)

1. A power take-off transmission device comprising in combination, a hollow casing structure having opposed side walls, a first shaft terminating in said casing side walls, a driver gear wheel on said first shaft and within said casing, a pair of power take-off shafts terminating at one end in one said casing side wall and extending at their opposite ends beyond the outside of the opposite casing side wall, said power take-off shafts being parallel with each other and with said first shaft and the latter being centrally mounted with respect to said power take-off shafts in off-set relationship thereto, bearing means rotatably mounting said power take-off shafts upon the casing, a gear wheel on each said power take-off shaft in rotary engagement therewith and within said casing in position to have selective driver engagement with said driven gear wheel, means mounting each said take-off shaft gear wheel upon its shaft for axial adjustment therealong, and combined shifter and selector mechanism



symmetrically mounted on said casing with respect to said shafts and upon the opposite side of said power take-off shafts to said driver shaft, said combined shifter and selector mechanism being operatively associated with said gear wheels on the power take-off shafts to shift said gear wheels simultaneously in opposite directions for their selective engaging and dis-engaging relationship with respect to said driver gear wheel.

2,548,183
REMOVABLE HEAT UNIT FOR TABLE TOP STOVES
Arthur K. Walton and Truman H. Cline, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application December 3, 1945, Serial No. 632,430
8 Claims. (Cl. 219—37)



4. In combination with a sheet metal range top having a plurality of circular openings and a circular flange defining each opening and having surface recesses spaced from a tangency of each of said openings, an angular hinge member made of springable material having hook-engaging means to cooperate with said flange and hinge ears to be partially submerged in said recesses, a cooperating hinge member overlying said first mentioned hinge member and having secured at its extremity a supporting member for a heating

unit for the purpose of affording pivotal displacement to said heating unit and for being springably removable by the unseating of said first mentioned hinge member from its recess.

2,548,184

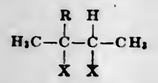
PREPARATION OF NOVEL 2-CARBOALKOXY-1,3-BUTADIENE DIMERS BY THE PYROLYSIS OF NOVEL 2,2,3-SUBSTITUTED BUTANES

Jerome C. Westfahl, Trumansburg, N. Y., and Daniel S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 25, 1948, Serial No. 35,286

8 Claims. (Cl. 260—468)

1. The method of preparing a dimer of a 2-carboalkoxy-1,3-butadiene which comprises heating a compound of the formula



wherein R is a lower carboalkoxy radical and each X is selected from the class consisting of halogen atoms and acyloxy radicals containing from 2 to 10 carbon atoms, at a temperature in the range of 400° C. to 700° C.

2,548,185

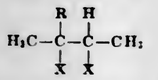
2,2,3-SUBSTITUTED BUTANES

Jerome C. Westfahl, Trumansburg, N. Y., and Daniel S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Original application June 25, 1948, Serial No. 35,286. Divided and this application April 7, 1949, Serial No. 87,377

3 Claims. (Cl. 260—484)

1. A compound of the formula



wherein R is a lower carboalkoxy radical and each X is selected from the class consisting of halogen and lower acyloxy radicals.

2,548,186

INTERPOLYMERS OF AN ALKYL ACRYLATE, AN AROMATIC MONOOLEFIN, AND A VINYL ESTER OF AN AROMATIC MONOCARBOXYLIC ACID

Robert J. Wolf, Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 25, 1950, Serial No. 146,346

4 Claims. (Cl. 260—80.5)

1. An interpolymer made by polymerizing a mixture of monomeric materials comprising from 30 to 80% by weight of an alkyl ester of acrylic acid in which the alkyl group contains from 1 to 4 carbon atoms, from 10 to 65% by weight of a vinyl ester of an aromatic acid in which a single carboxyl group is attached directly to an aryl nucleus, and from 5 to 40% by weight of an aromatic monoolefin in which the sole olefinic linkage is present in a vinyl group which is attached directly to a nuclear carbon atom.

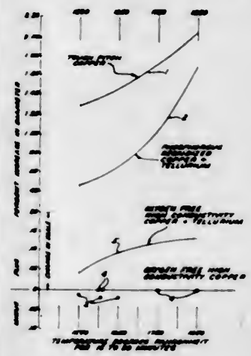
2,548,187

METHOD OF DETERMINING THE OXYGEN CONTENT OF COPPER

Carl M. Anderson, Chicago, Robert A. Harris, Oak Park, and Charles C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 19, 1945, Serial No. 605,950

3 Claims. (Cl. 23—230)



1. The method of determining the deleterious effect of the oxygen content of copper which comprises determining the dimensions of a sample of copper, heating said sample to from approximately 1550° F. to approximately 1850° F. for from fifteen to twenty minutes, cooling the sample to room temperature, maintaining a hydrogen atmosphere around the sample during the heating and cooling, and then again determining said dimensions to indicate variations in said measurement above and below 20% of the original dimensions.

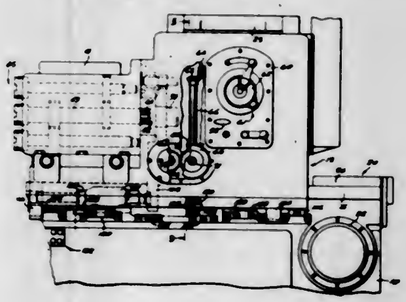
2,548,188

MACHINE-TOOL TRANSMISSION AND CONTROL MECHANISM

Joseph B. Armitage, Wauwatosa, and John B. Lukey, Kurt A. Riedel, and Francis D. Beehmer, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application December 14, 1945, Serial No. 635,012

7 Claims. (Cl. 90—14)



1. In a machine tool, a base, a work support carried by said base, a tool support movably mounted on said base in cooperating relationship with said work support, a tool spindle rotatably mounted in said tool support, a motor carried by said tool support and operatively connected to rotate said spindle, a driving nut rotatably mounted in said tool support, an irreversible drive mechanism operatively connecting said motor to said nut to drive it for advancing said tool support in synchronism with rotation of said spindle, a feed screw rotatably mounted in said base and having threaded relationship with said nut in said tool support, a motor mounted in said base for driving said screw to effect movement of said tool support at rapid traverse rate, and an irreversible drive mechanism operatively connecting said motor to said screw, the arrangement being such that either said nut or said screw may be driven to effect movement of said tool support at feed or rapid traverse rate respectively, said irreversible drive mechanisms serving to prevent rotation of said nut by said screw or vice versa.

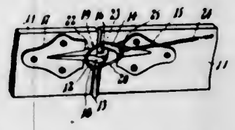
2,548,189

LOCKING DEVICE FOR GATE HINGES OF A MOTOR-TRUCK BODY

John Robert Armstrong, London, Ontario, Canada

Application August 13, 1949, Serial No. 110,085

6 Claims. (Cl. 292—300)



1. A locking device for a gate-hinge having separable leaves provided with a knuckle and a pintle loosely extending downwardly through the knuckle and endwise protruding therebelow, said locking device comprising a ring having a bottom side section and a top side section, said ring being suited to be sleeved upwardly over the end of the pintle to embrace the knuckle with said bottom side section disposed below the knuckle and said top side section disposed above the same, and retaining means on said top side section for rearwardly engaging a part of the pintle above the knuckle.

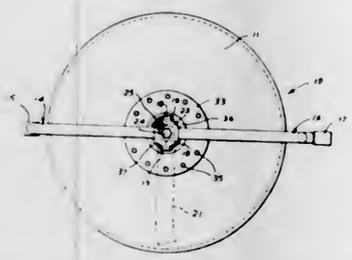
2,548,190

MOBILE FUEL CARRIER OR THE LIKE

Leon G. Arpin, Jr., Montclair, N. J.

Application May 29, 1948, Serial No. 30,031

8 Claims. (Cl. 280—5)



1. A mobile reservoir tank for fluids comprising a hollow, flexible body of normally cylindrical form, said body being substantially fabricated from resilient material so as to resume said cylindrical form when distored, and a hollow axle extending along the longitudinal axis of said cylinder, said hollow axle communicating with the interior of said body so as to provide fluid inlet and outlet means therefor.

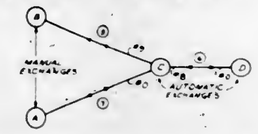
2,548,191

MULTIEXCHANGE AUTOMATIC TELEPHONE SYSTEM

Pier Bakker, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Original application May 4, 1942, Serial No. 441,641, now Patent No. 2,427,650, dated September 23, 1947. Divided and this application October 26, 1945, Serial No. 624,783

6 Claims. (Cl. 179—7)



4. In an automatic telephone system, lines of two classes, links, automatic switching apparatus for extending connections from calling lines to said links, other automatic switching apparatus including means rendering it responsive to series of digit impulses dialed after connection is extended to any one of said links, for completing the connection to any desired called line of either class, charge-exacting means connected with certain of said calling lines, control means including means rendering it responsive to the setting up of a connection through any one of said links from any one of said certain lines, for operating said charge-exacting means or not, depending upon the class of the line called, said control means including digit-responsive means operable after connection is made to one of said links to determine the class of the connection.

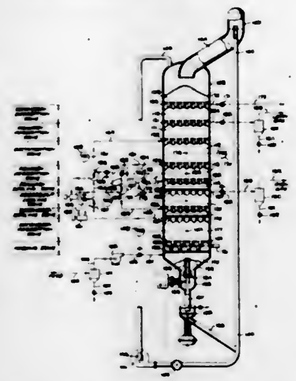
2,548,192

ADSORPTION PROCESS AND APPARATUS

Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application September 30, 1947, Serial No. 776,959

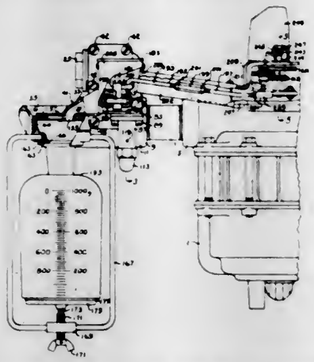
23 Claims. (Cl. 183—4.2)



11. A continuous selective adsorption process for the separation of gaseous mixtures which comprises establishing a separation zone comprising at lower levels a primary adsorption zone, a rectification zone, a primary desorption zone and an adsorbent cooling zone, establishing a continuous downwardly moving bed of granular adsorbent through said separation zone, introducing said gaseous mixture into said primary adsorption zone to contact said adsorbent to adsorb

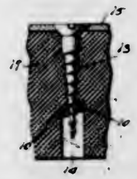
the more readily adsorbable constitutents of said gaseous mixture forming a rich adsorbent and a lean gas comprising the less readily adsorbable constituents, passing said lean gas upwardly through said primary adsorption zone in direct countercurrent contact with said moving bed of adsorbent to effect heat interchange between said lean gas and said adsorbent, subsequently removing said lean gas as a lean gas product from said primary adsorption zone, passing said rich adsorbent from said primary adsorption zone to said rectification zone, contacting said rich adsorbent therein with a rich gas reflux containing more readily adsorbable constituents whereby small amounts of less readily adsorbable constituents are desorbed forming a rectified adsorbent, passing said rectified adsorbent to said primary desorption zone wherein said more readily adsorbable constituents are desorbed to form a rich gas, heating a portion of said rich gas, passing said heated portion in direct countercurrent contact with said rectified adsorbent thereby heating said adsorbent and desorbing further quantities of said rich gas, passing the thus desorbed rich gas through said adsorbent cooling zone in direct countercurrent contact with heated adsorbent passing therethrough to effect direct heat interchange therebetween forming a warmed rich gas and a cooled adsorbent, removing said warmed rich gas as a rich gas product, and passing said cooled desorbent from said adsorbent cooling zone to said primary adsorption zone for reuse.

2,548,193
LIQUID SAMPLING APPARATUS
Hosmer L. Blum, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application July 5, 1945, Serial No. 603,322
14 Claims. (Cl. 73—422)



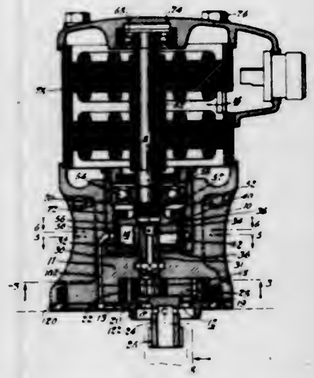
14. In a liquid measuring system, the combination of a conduit for liquid, means for passing liquid through said conduit, a meter in said conduit, a sampling mechanism comprising positive displacement means in said conduit, means for maintaining a back pressure on the liquid in said conduit at said displacement means, said displacement means being adapted for operation by the application of back pressure thereto and being constructed and arranged for operation through a cycle of events to withdraw a predetermined quantity of liquid from said conduit and store it, and means connecting said meter to control the operation of said sampling mechanism to maintain the mechanism in synchronism with the meter.

2,548,194
RUBBER HEEL
John H. Buechler, Chicago, Ill.
Application July 9, 1949, Serial No. 103,870
1 Claim. (Cl. 36—35)



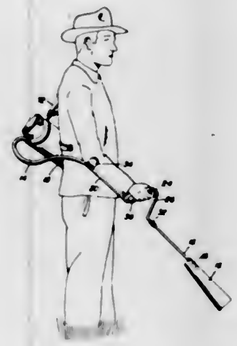
A rubber heel having holes formed in its wear face adapted to have screws inserted therein, and cavities formed in its upper face, the walls of each cavity retaining a U-shaped wire member in fixed position, the two legs of the said wire member being adapted to engage the threads on opposite sides of a tapered screw member for retaining a heel plate on the rubber heel, said holes being aligned with the space between the two legs of said wire member.

2,548,195
HYDRAULIC COUPLING
Charles W. Chillson, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 28, 1946, Serial No. 699,996
2 Claims. (Cl. 74—413)



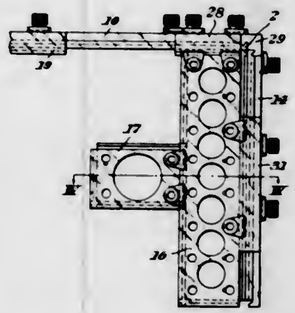
2. In a hydraulic damping coupling, a driving shaft, a gear pump having mating gears one of which is affixed to said shaft, a cylindrical barrel concentric with the axis of the other of said gears, two sets of radial vanes within said barrel, one set of said vanes being driven by said other gear, the other set of vanes being drivably connected to a driven shaft, said sets of vanes being relatively movable with respect to one another to define with and within said barrel a chamber variable in volume accordingly as said vanes change their position relation, said barrel being affixed for rotation with one of said sets of vanes and having circumferential discharge ports in the wall thereof closable in part, at times, by vanes of the other set as they move along the wall, the discharge area of said ports being varied in response to the relative movement between the vanes, and means for delivering all fluid delivered by the gear pump to said chamber.

2,548,196
HANDLE AND ARMREST FOR WEED BURNERS
Mildred G. Clark, Scottsbluff, Nebr., assignor of one-half to Pearl M. Clark, Scottsbluff, Nebr.
Application September 4, 1947, Serial No. 772,102
2 Claims. (Cl. 126—271.2)



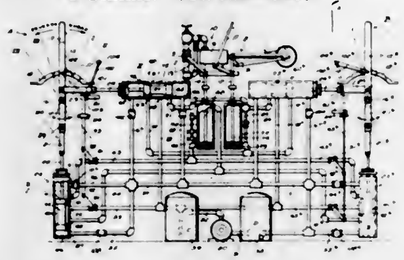
1. In a weed burner which includes a burner proper and a fuel tank, means for connecting the burner proper and the fuel tank, said means comprising a conduit having a section therein with its longitudinal axis at an angle with respect to the longitudinal axis of the remainder of the conduit, a handle secured to said section, and a plate secured to said conduit engageable by the forearm of an operator.

2,548,197
TEMPLATE
Guy O. Conner, Cleveland Heights, Ohio
Application January 25, 1945, Serial No. 574,531
10 Claims. (Cl. 33—174)



1. A template comprising a template member having a first flange projecting outwardly past an edge thereof, a second flange projecting outwardly past another edge thereof, said flanges projecting outwardly in non-coplanar, non-parallel directions, a rib on at least one of said flanges opposite the edge past which said flange projects so as to form a groove between the rib and said edge, a washer overlapping said last mentioned edge opposite said rib and means fastening the washer to the member.

2,548,198
DUAL CONTROL FOR THE THROTTLE AND REVERSING MEANS OF PRESSURE FLUID ENGINES
Charles H. Cosnett, Kingsville, Ohio
Application November 15, 1945, Serial No. 628,861
9 Claims. (Cl. 121—143)



1. A hydraulic single lever control system for the mooring engines of ships, provided with a reversing mechanism and a throttle valve for the control of the engine's speed, comprising a closed pressure fluid system with pressure and exhaust pipes, and with two hydraulic cylinders connected with said pipes and provided with pistons, one of them operating the said reversing mechanism and the other operating the said throttle valve, a master lever pivoted for movement around a fulcrum and adapted for limited angular movement in two directions on both sides of a neutral position, two pressure fluid control devices, each including a cylinder with inlet and outlet ports, connected with the pressure and exhaust pipes of the pressure fluid system and a control valve, reciprocable within the said cylinder, means for connecting both control valves positively and mechanically with the master lever, said means including a connecting means between one of said control valves and with said master lever for producing a linear motion of the valve, the extent of which corresponds to the extent of the angular displacement of the master lever with respect to its neutral position, while the direction of said linear valve movement remains the same irrespective of the direction of the angular displacement of the master lever with respect to said neutral position and further including means connecting the other control valve with said master lever for producing a linear motion, the extent and the direction of which corresponds to the extent and direction of the angular displacement of the master lever around its fulcrum.

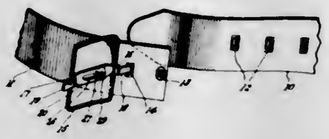
2,548,199
LOADING COIL
Edward J. Crane, Oak Park, and Robert P. Cross, Jr., Riverside, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1946, Serial No. 717,526
4 Claims. (Cl. 178—46)



4. A loading coil assembly for insertion in a covered cable of telephone wires comprising a plurality of toroidal coils having central openings, a rod extending through said openings, a terminal supporting washer associated with each

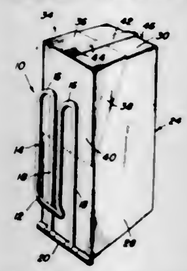
of said coils, said washers being mounted on said rod, terminals carried by said washers and connected to said coils, said rod with the coils and washers thereon forming a cylindrical loading coil unit, leads connected to said terminals and extending axially in opposite directions along the periphery of the loading coil unit and beyond the ends thereof and connected to telephone wires of said cable at opposite ends of the loading coil unit, an insulating coating on said unit and leads except for portions of the leads extending beyond the ends of said unit, and a cable covering for the cable of telephone wires enclosing said loading coil unit.

2,548,200
BELT BUCKLE
William A. Critchley and Thomas J. Critchley, Cranston, R. I., assignors to John Casciano, East Providence, R. I.
Application April 14, 1948, Serial No. 20,964
1 Claim. (Cl. 24—77)



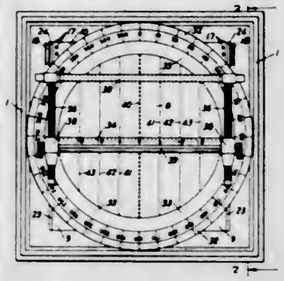
For use with a belt having one end portion provided with a series of longitudinally spaced apart eyelets and a second end portion provided with a female member of a fastening element and an eyelet longitudinally spaced therefrom, a buckle comprising a body portion, a neck extending from each opposite side edge of said body portion, a tongue supported by each of said necks extending outwardly therefrom and disposed at approximately right angles thereto, one of said tongues adapted to be selectively inserted into one of the series of eyelets on the first end portion of the belt and the other of said tongues adapted to be inserted into the eyelet on the second end portion of the belt, a plate supported by said body portion in spaced relation to the rear surface thereof and having a slot therein, a male member of the fastening element supported by said plate for movement within said slot and adapted to be engaged with the female member of the fastening element on the second end portion of the belt.

2,548,201
FISHERMAN'S BAIT BOX
John M. Cromley, Lewisburg, Pa.
Application June 21, 1948, Serial No. 34,314
4 Claims. (Cl. 224—5)



1. A fisherman's bait box comprising a container having a bottom wall, end and side walls, and a top wall covering a portion of said container and defining an opening with the adjacent walls, a substantially U-shaped hanger hingedly connected to one of said end walls, a closure member carried by said hanger and covering said opening and means for resiliently locking said closure member to the other end wall.

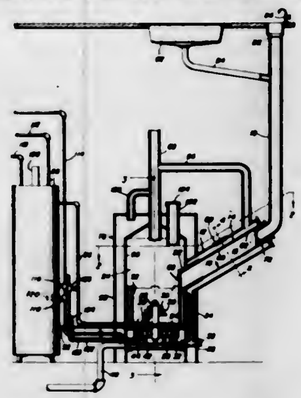
2,548,202
MANEUVERING MACHINE
Theron P. Davenport, Port Neches, Tex.
Application November 18, 1949, Serial No. 128,202
1 Claim. (Cl. 33—76)



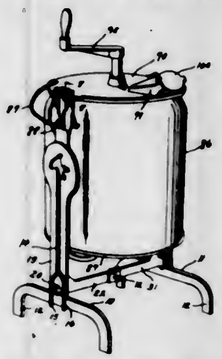
A computing and plotting device comprising a supporting frame, a plurality of rollers mounted on the frame, one of the rollers being a driven roller, a continuous chart mounted on the rollers and adapted to be moved longitudinally upon rotation of the driven roller, means for rotating the driven roller at predetermined speeds, a planular member mounted on the frame and disposed immediately adjacent the under side of the chart, an annular plate mounted on the frame and disposed immediately adjacent the upper side of the chart, a bearing circle carried by the annular plate, a mounting ring rotatably mounted with respect to the annular plate and disposed concentrically with respect to the bearing circle, and a parallel rule mounted on the mounting ring, the parallel rule including a fixed arm which is disposed across the center of the bearing circle and is secured at its ends to the mounting ring, a pair of racks slidably mounted on the mounting ring and disposed transversely with respect to the fixed arm, a movable arm secured at its ends to the racks and disposed in parallel relation with the fixed arm, a pair of pinion gears rotatably mounted on the mounting ring and acting upon the racks to move them longitudinally, and means for manipulating the pinion gears manually.

2,548,203
GARBAGE DISPOSAL ARRANGEMENT WITH IMPROVED FLUE ASSEMBLY
Clarence L. Deming, Emporia, Kans.
Application February 16, 1948, Serial No. 8,612
2 Claims. (Cl. 110—8)

1. A garbage disposal unit which includes a furnace, said furnace having an inner housing and an outer housing with an air space between said housings, substantially aligned openings in said housings, means for conducting liquid and refuse into said housings including an outer tube fixed in communication with one of said openings and an innermost tube fixed in communication with the other of said openings, a valve at the end of said innermost tube and a separator for the liquid and refuse disposed in said innermost tube, a drain fixed to said outermost tube and disposed between said housings, and a burner in said inner housing for oxidizing the refuse received through said valve, and a flue fixed in communication with said inner housing and having a pipe extending therefrom, said pipe terminating in said outer tube to conduct gases from said tubes when said burner is operative and when liquid is being separated from the refuse by the separator.



2,548,204
TILT STAND
William Harvey Drake, Rome, Ga.
Application January 4, 1949, Serial No. 69,207
6 Claims. (Cl. 248—133)



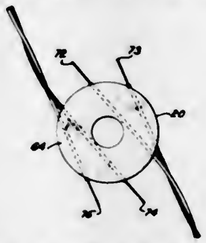
1. For use with a paint can or the like having a bail and bail bosses on the side wall, a tilt stand comprising a frame, a support pivoted on the frame adapted to receive the can and having forked upper portions open at their upper ends to receive the bosses with the bail movable to the outside surfaces of the forked portions.

2,548,205
ELECTRICAL COIL ASSEMBLY
William M. Drobish, Oak Park, and Edwin L. Drom, Brookfield, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1947, Serial No. 779,106
10 Claims. (Cl. 178—46)

1. A loading coil unit comprising a preformed absorptive cardboard insulating tube, a plurality of loading coils disposed in consecutive order within said tube, conductors connected to said loading coils, the free ends of said conductors extending out of the ends of said tube, and a coating of insulating compound on the tube-covered assemblage with portions of said compound extending into free spaces between said coils and said tube by virtue of the absorptive quality of said tube.



2,548,206
LOADING COIL TERMINAL
Edwin L. Drom, Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1946, Serial No. 717,527
14 Claims. (Cl. 178—46)

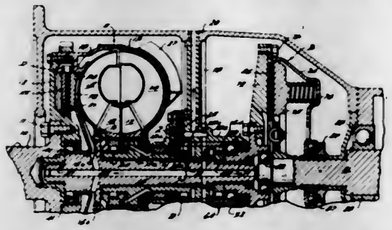


9. A method of making a terminal mounting comprising separating for a predetermined portion along their length at a point intermediate of their ends a pair of insulated wires normally substantially joined along their entire length thereby forming a spaced apart portion of said predetermined portion, placing one end of said spaced apart portion on top of a wafer formed from thermo-setting material in such a way that one of the points of divergence of the wires lies at about the periphery of said wafer the wires diverging from this point across the top of said wafer, wrapping said wires in a loop underneath said wafer to maintain a spaced apart relationship between the wires in the loop, looping across the top of said washer the remaining end of said spaced apart portion so that the wires converge across the top of said wafer to a point at about the periphery of said wafer, placing another similar wafer on top of the first wafer, the portion of the conductors lying across the top of the said first wafer thereby being interposed between said wafers, pressing said wafers together under sufficient heat and pressure to cause said thermo-setting material to flow around said conductors and to thermo-set and cutting the loops thereby forming a composite member having wires extending therefrom.

2,548,207
TORQUE CONVERTER
William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 10, 1948, Serial No. 38,135
15 Claims. (Cl. 192—3.2)

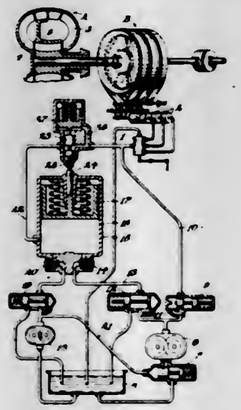
1. The combination with a driving shaft, a fluid power-transmitting device and a clutch device

including engageable driving and driven sides, means drivingly connecting the driving shaft to the fluid power-transmitting device and means drivingly connected between the fluid power-transmitting device and the driving side of the



clutch device, of a one-way brake associated with the last mentioned means adapted to prevent rotation of the driving side of said clutch device in a direction opposite to the normal direction of rotation of said driving shaft.

2,548,208
HYDRAULIC POWER TRANSMISSION SYSTEM
Harold Ivan Frederick Evernden, Hazelwood, Duffield, near Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application September 24, 1946, Serial No. 698,987
In Great Britain October 20, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 20, 1964
5 Claims. (Cl. 74—732)



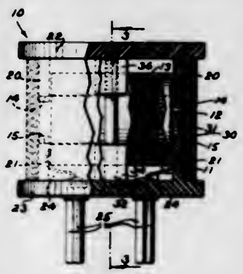
1. A power transmission system comprising a hydraulic torque-transmitting mechanism having an output shaft, a change-speed gear between the output shaft of said hydraulic torque-transmitting mechanism and a load shaft to which torque is transmitted by said system, hydraulically operated control means for said change-speed gear, a pump driven by said output shaft, to supply operating liquid for said control means, an accumulator for said operating liquid, a connection between said pump and said accumulator, a non-return valve in said connection to prevent flow from the accumulator to the pump, a second connection between said pump and said control means, a pressure-operated cut-off valve in said second connection operated by the discharge pressure of said pump, a third connection between said accumulator and said control means and a pressure-operated isolating valve in said third connection operated by the pressure in said accumulator.

2,548,209
WEED SPRAYING DEVICE
Lester S. Foster, Raymond, Ill.
Application August 9, 1948, Serial No. 43,186
3 Claims. (Cl. 287—96)



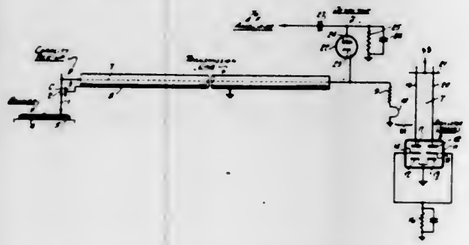
1. In a weed spraying device, a rigidly mounted and horizontally disposed center section, a lateral section disposed at an end of said center section, and hinge means connecting said sections together, said means including an intermediate plate, an inner plate and an outer plate hinged at opposite sides and opposite ends to said intermediate plate, said inner plate being secured to said center section, spaced brackets secured to said outer plate, and a horizontal hinge pin extending through said brackets and through said lateral section, whereby said lateral section may be swung in a vertical plane.

2,548,210
ELECTRICAL COIL
Jerome S. Franks, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,705
4 Claims. (Cl. 175—356)



1. An induction coil comprising a round accordion folded inner core section, a coil of insulated wire encircling said inner core section, a pair of substantially circular insulating plates disposed on opposite sides of said coil, each of said plates having a pair of spaced-apart extending legs having concave surfaces formed on their free ends to engage and support the ends of said inner core section, and a tubular outer core section around said inner core section and coil and disposed between said plates in such manner that each open end of said tubular outer core section is covered by one of said plates and the inner core section and the coil are disposed within said tubular outer core section and transversely thereof, said tubular outer core section comprising a plurality of coaxial cylindrical laminations structurally defining a hollow cylinder.

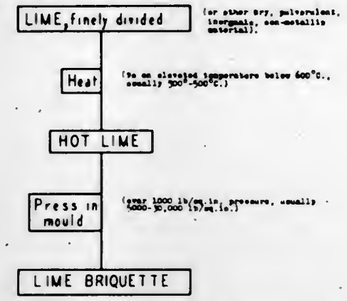
2,548,211
SOUND REPRODUCING SYSTEM
Walter J. Frantz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 4, 1945, Serial No. 632,725
2 Claims. (Cl. 179—100.4)



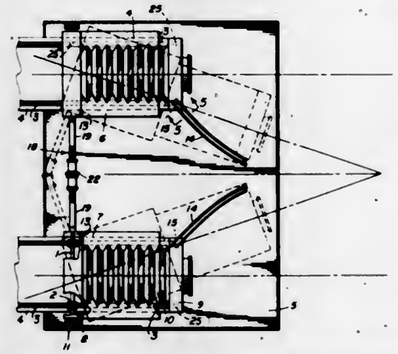
1. In a record reproducing system for reproducing record signals recorded as signal variations on a record member; variably capacitive signal pick-up elements for cooperation with the signal variations of the record member to correspondingly vary the capacitance of the pick-up elements; high frequency energy supply structure for generating electric waves; said capacitive pick-up elements forming a terminating part of transmission line means coupled to said supply structure for conducting the electric waves to said pick-up elements, reflecting them at, and conducting the reflected waves back from said pick-up elements; said reflected waves having phase angle displacements varying in accordance with the capacitive variations of the pick-up elements, and producing, at any portion of the transmission line means, signal modulated waves corresponding to variations in amplitude of the resultant of the combined unreflected and reflected waves; and output structure coupled to a portion of the transmission line means remote from the pick-up elements for delivering the signal modulated waves; said transmission line means including a transmission line having a characteristic impedance; and said variably capacitive pick-up elements being connected to an end of said line and having a static reactance approximately equal in magnitude to the characteristic impedance of said line.

2,548,212
PROCESS OF BRIQUETTING AND PRODUCT THEREOF
John H. Gibbs and Arthur H. Andersen, Shawinigan Falls, Quebec, Canada, and Albert J. Abbott, St. Louis, Mich., assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 5, 1948, Serial No. 58,614
In Great Britain November 19, 1947
17 Claims. (Cl. 25—156)

1. A process for briquetting finely divided pulverulent non-metallic inorganic material having a melting point of at least 1200° C., comprising heating the material to an elevated temperature between about 100° C. and about 600° C., and briquetting the material while it is at the elevated temperature without the addition of binding material.



2,548,213
AUTOMATIC PARALLAX ADJUSTMENT FOR DUAL CAMERAS
Harold Gittins, Wilkes-Barre, Pa.
Application December 30, 1947, Serial No. 794,609
2 Claims. (Cl. 95—18)

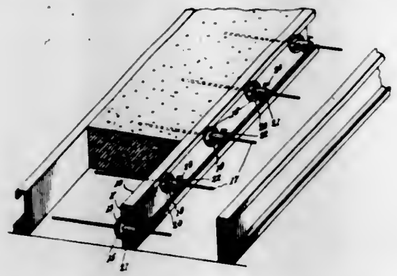


1. Synchronous focusing and centering means for dual cameras comprising the combination of a pair of cameras each including a forwardly and rearwardly adjustable chassis for a front extensible lensboard and also including a fixed gear ground glass frame, chassis adjusting means carried by each rear frame and including a transverse shaft, a table supporting the cameras in spaced apart side by side relation to each other, legs pivotally supporting the inner corners of the rear frames on and fixed to the table for horizontal swinging movement of the cameras, means connecting the shafts to each other for uniform movement of both chassis, and cooperating supporting and guiding means between the front end of each chassis and the table for synchronous movement of the front ends of the cameras toward a common center in the focal plane upon an adjusting movement of either chassis.

2,548,214
DOWEL ATTACHMENT AND ADJUSTING LOCK FOR FORMS
Robert E. Heltzel, Warren, Ohio
Application February 14, 1949, Serial No. 76,213
13 Claims. (Cl. 287—20)

1. For use with a dowel bar and a standard form having an opening therethrough of a size

in excess of the outside dimensions of the dowel bar, an attachment comprising a pair of complemental members adapted to be fitted to opposite sides of the standard form, one of said members having a part for fitting through the opening in the form, interlocking means for temporarily securing the members together, one of the members having an opening therethrough adapted to receive the dowel with small tolerance, and adjusting means on the other member for binding upon the dowel at a zone spaced from the opening in the companion member.



2,548,215
CASING OR COVER FOR A HANDLE OR THE LIKE
Konrad Horch, Maspeth, N. Y.
Application February 11, 1950, Serial No. 143,704
6 Claims. (Cl. 155—182)



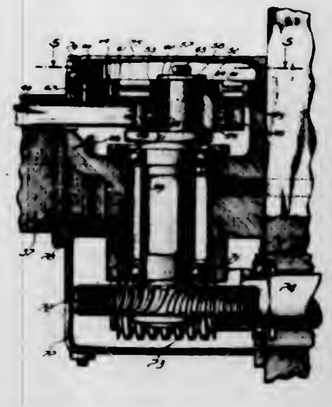
1. A covering of the character set forth comprising a first blank of annular shape arranged when folded in U-shape to provide spaced upper and lower cover sections for the top and bottom of a handle or the like, a second blank secured to the inner peripheral edge of the first blank to provide a cover for the inside of the handle and a third blank secured to the outer periphery of said first blank to provide a cover for the outside of the handle and complete the covering.

2,548,216
VENTILATED BAND CLAMP
Howard D. Houghton, Los Angeles, and Theodore A. Woolsey, Pasadena, Calif., assignors to Marman Products Co., Inc., a corporation of California
Application July 1, 1946, Serial No. 680,802
12 Claims. (Cl. 285—129)



1. In a band clamp for connecting together adjacent ends of tubular members including radial flanges having remote, outwardly converging frusto-conical walls, a constricting band, means for applying constricting tension to said band, and force resolving means attached to the respective sides of said band and converging diagonally inwardly therefrom into contact with said frusto-conical walls, said force resolving means functioning, under constricting action of said band, to first exert a sliding, camming action against said frusto-conical walls to move said flanges toward each other to take up clearance therebetween and, when said clearance has been taken up, to operate as toggle means to resolve constricting pressure of said band into axial forces pressing said flanges toward each other.

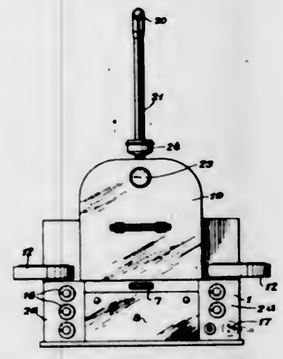
2,548,217
DOCTOR BLADE RECIPROCATING MECHANISM FOR INTAGLIO PRINTING MACHINES
William F. Huck, Forest Hills, and Frans Heller, Mount Vernon, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 3, 1945, Serial No. 620,102
3 Claims. (Cl. 101—157)



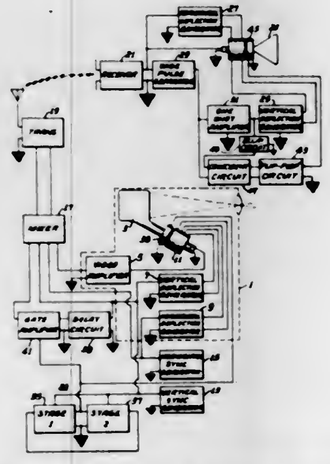
1. In a rotary intaglio printing machine having a printing cylinder and drive therefor, a support for holding a doctor blade against the cylinder, a reciprocable slide for reciprocating the support, and a crank shaft driven by the printing cylinder drive for driving the slide; the combination with the reciprocable slide and crank shaft pin of a connecting rod pivotally connected to the slide at one end, an eccentric sleeve rotatably carried in the other end of the rod and rotatably mounted on the crank pin, and an epicyclic gear train driven by the crank pin and driving the eccentric sleeve, the gear train ratios being such that the eccentric sleeve rotates a fraction of a turn with respect to the crank pin during each stroke thereof, whereby the connecting rod reciprocates the slide between varying limits of reciprocation.

2,548,218
STOVE HEATED BY GAS OR ELECTRICITY
Robert Alfred Frederick Jackson, Bearsden, Scotland
Application May 16, 1949, Serial No. 93,487
In Great Britain May 18, 1948
2 Claims. (Cl. 219—35)

1. A cooking stove comprising a main casing having a cooking compartment and at least one side compartment shut off from said cooking compartment, said casing having a top wall, a reversible main heater in said top wall capable of directing heat either upwards from said top wall or downwards therefrom into said cooking compartment, a plurality of openings in said top wall communicating with said side compartment, a plurality of auxiliary heater supply sockets in said side compartment aligned with said openings respectively, and a plurality of auxiliary heaters having tubular supports capable of being inserted through said openings and engaged in said sockets, said side compartment containing also a plurality of switches for controlling said main heater and auxiliary heater supply sockets respectively.

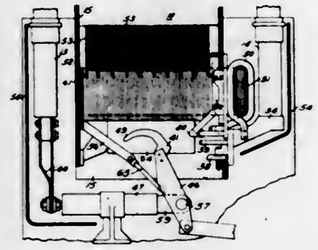


2,548,219
INTERLACED SCANNING IN A TELEVISION SYSTEM
Richard Jenkins, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1948, Serial No. 29,480
5 Claims. (Cl. 178—69.5)



1. In a television system including a television camera, synchronizing signal generator means supplying vertical and horizontal synchronizing signals to said camera, a picture reproducing device including vertical and horizontal deflection means and means supplying said synchronizing signals respectively to said deflection means, and auxiliary vertical deflection means for said camera and similar auxiliary vertical deflection means for said reproducing device, said auxiliary deflection means operating at a frequency which is a fraction of that of said vertical synchronizing signal to produce electrically interlaced scanning in said camera and said reproducing device: a system for controlling said auxiliary deflection means at said reproducing device, comprising, at said camera, a delay network, means applying said vertical synchronizing signals to said delay network to produce delayed vertical synchronizing signals, and keying means responsive to said auxiliary vertical deflection means at said camera to pass said delayed vertical synchronizing signals only at intervals equal to the period of operation of said auxiliary vertical deflection means to provide a train of code signals; a second delay network at said reproducing device, means applying said undelayed vertical synchronizing signals to said second delay device to provide delayed vertical synchronizing signals, and means responsive to coincidence of a said code signal with one of said last mentioned delay vertical synchronizing pulses to operate said auxiliary vertical deflection means at said reproducing device.

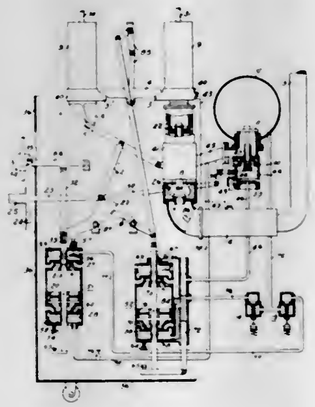
2,548,220
ARC TRANSFERRING MEANS FOR SWITCHGEARS
Arthur C. Kelle, Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 16, 1945, Serial No. 588,450
2 Claims. (Cl. 200—147)



2. An electric circuit breaker comprising first and second circuit terminals, a fixed arcing contact connected to said first circuit terminal, an arc chute, an arc runner, means positioning said fixed contact and said arc runner adjacent said arc chute so that an arc extending between said fixed contact and said arc runner is movable into said arc chute, a connector between said arc runner and said second circuit terminal, a pivoted link connected to said second circuit terminal, a movable arcing contact mounted on said link and connected therethrough to said second circuit terminal, and means for actuating said link from a position providing for engagement of said fixed and movable contacts into a position alongside and parallel to said connector to draw an arc between said contacts and to transfer one root of said arc from said movable contact to

said arc runner by a substantially parallel displacement of the current flow from said link to said connector.

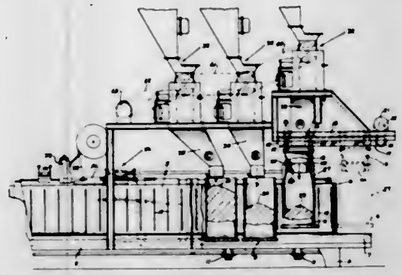
2,548,221
FLUID PRESSURE ACTUATED SWITCH
Arthur C. Kelle, Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 15, 1949, Serial No. 76,556
7 Claims. (Cl. 200—81.4)



1. In a fluid blast circuit breaker the combination of a first fixed terminal element, a second fixed terminal element, a stationary arcing contact, a cooperating movable arcing contact, means for establishing a blast of fluid under pressure adjacent said arcing contacts, a first fluid operated motor for separating said arcing contacts, means for permanently conductively connecting one of said arcing contacts with said first terminal element, a fixed metal structure in permanent conductive connection with the other of said arcing contacts and arranged in spaced relation with respect to said second terminal element, a disconnecting switch arranged in series relation with said arcing contacts and comprising a stationary disconnect contact and a cooperating movable disconnect contact, one of said disconnect contacts being in permanent conductive connection with said metal structure, and said movable disconnect contact normally extending across the space between said metal structure and said second terminal element, an actuating lever hinged to said movable disconnect contact, and a second fluid operated motor for operating said actuating lever for moving said movable disconnect contact to a lower level away from said stationary disconnect contact.

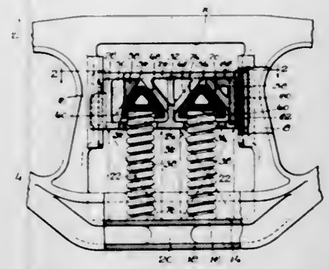
2,548,222
APPARATUS FOR FILLING BAGS
Harold V. Kindseth, Minneapolis, Minn., assignor to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri
Application March 4, 1946, Serial No. 651,716
6 Claims. (Cl. 226—55)

1. In an apparatus for filling relatively large flexible walled bags, conveying means for advancing the bags along a predetermined path, a plurality of bag filling hoppers spaced apart lengthwise of said travel path, and means controlled by movement of the bags through the ap-



paratus for causing each bag filling hopper to deliver a predetermined partial charge into each bag and whereby successive partial charges are delivered into each bag as the bags are advanced beneath said hoppers thereby to fill the bags.

2,548,223
SNUBBED BOLSTER TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 4, 1945, Serial No. 614,214
19 Claims. (Cl. 105—197)

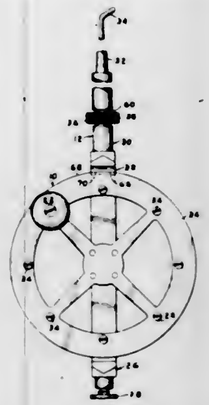


4. In a railway car truck, a load-carrying member having spaced columns, springs on said member intermediate said columns, a bolster seated on certain of said springs, said bolster housing friction shoes in engagement with respective columns, diagonal webs in said bolster intermediate said shoes, wedges engaging respective shoes and webs, certain of said springs projecting through the bottom wall of said bolster for abutment with said wedges, each of said shoes having flat face engagement with the adjacent column and with a wall of said bolster.

2,548,224
FISHING APPARATUS
Hugo W. Lind, Jr., Detroit, Mich.
Application February 5, 1948, Serial No. 6,395
6 Claims. (Cl. 43—20)

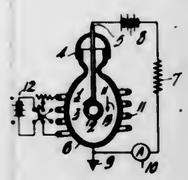
1. A fishing apparatus comprising a rod having a hand-holding portion, a reel pivotally mounted on the rod, and a brake mechanism in the hand-holding portion comprising a brake shoe engageable with the external periphery of the reel, an annular manually actuated brake shoe actuating

member relatively movable in and to the rod and a resiliently biased plunger extending within the



hand-holding portion connecting the brake shoe to the manually actuated member.

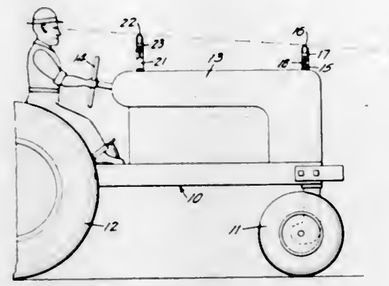
2,548,225
METHOD OF AND MEANS FOR GENERATING AND/OR CONTROLLING ELECTRICAL ENERGY
Ernest G. Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 17, 1948, Serial No. 49,736
19 Claims. (Cl. 171—330)



1. The method of generating and controlling electrical energy comprising: providing a charged particle emission source in a gaseous medium, generating secondary charged particles in response to said emission, lengthening the normal paths of said secondary particles within the medium until the paths of said particles are longer than the mean free path for ionization by collision with a molecule of said medium and ionization of said medium occurs, applying an electric potential to said source, and utilizing the said secondary particles to provide an electric current.

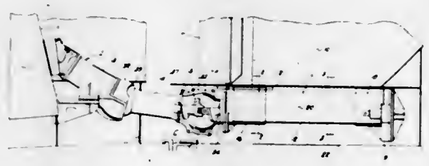
7. Apparatus for generating and controlling electrical energy including: a source of radioactive material in a rarefied gaseous medium providing charged particle radiation, means disposed in a region adjacent said source and responsive to said radiation to provide secondary charged particle emission, means for applying an electric potential to said source, means for deflecting the paths of said secondary particles to lengthen said paths until the said lengths are greater than the mean free path for ionization by collision with a molecule of said medium to provide ionization of said medium, and means for utilizing said secondary particles to provide an electric current.

2,548,226
PLANTING SIGHT
Bernard C. Maier, Canby, Minn.
Application January 4, 1951, Serial No. 204,358
3 Claims. (Cl. 33—46)



1. A planting sight attachment for farm tractors and the like comprising at least a pair of upwardly curved hollow transparent closed tubular members, liquid completely filling each of said members except for a small air bubble therein, and means for mounting said transparent bubble members transversely of a tractor in longitudinally spaced relation thereon with the air bubbles disposed in longitudinally aligned relation relative to the tractor and positioned along the line of sight of the tractor operator to facilitate maintenance of equal spacing between the crop rows, even when planting along hill-side contour lines.

2,548,227
LOCOMOTIVE STOKER
Ernest B. Marsden, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application August 7, 1947, Serial No. 767,034
5 Claims. (Cl. 198—15)



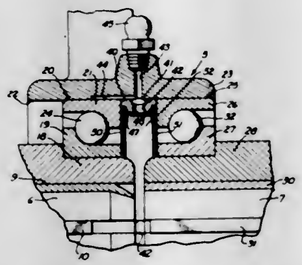
1. A stoker for an intercoupled locomotive and tender, including a fuel discharge conduit section adapted to be rigidly mounted on the locomotive, a fuel receiving conduit comprising a rearward open mouth forwardly opening trough member adapted to be rigidly mounted on the tender and a forward open mouth rearwardly opening trough member telescopically related and in axial alinement with said rearward trough member to provide for relative longitudinal movement between said trough members, means for pendently supporting said forward trough member from the tender deck, and an inextensible intermediate conduit flexibly connected at its ends with said discharge conduit and said forward open mouth trough member.

2,548,228
OCCUPANT PROPELLED ROUNDABOUT
Donald C. McCray, Fairview, Pa.
Application November 17, 1947, Serial No. 786,410
1 Claim. (Cl. 272—33)



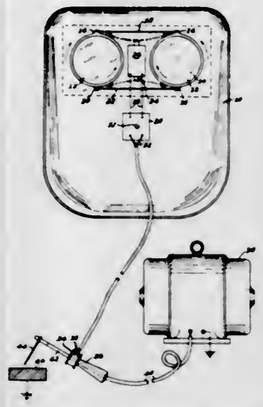
An amusement device comprising an upright U-shaped member providing a horizontal intermediate portion and a pair of substantially vertical end portions constituting handles adapted to be simultaneously gripped by the respective hands of a person standing between them on said intermediate portion, a vertical shaft fixed in a horizontal support so as to project a short distance above the upper surface of the latter, a socket member rigid with and disposed midway between the ends of said horizontal portion, the upper end of said shaft projecting into said socket member, and combined radial and thrust bearings between said shaft and said socket member, whereby said U-shaped member is mounted to rotate about the axis of said shaft, the horizontal portion of said U-shaped member being disposed in such proximity relative to the horizontal support that a person standing between said handles with one foot on said intermediate portion may engage the horizontal support with the remaining foot so as to rotate the U-shaped member about the axis of said shaft.

2,548,229
LUBRICANT DIRECTOR
Earl Mendenhall, San Marino, Calif., assignor to Sterling Electric Motors, Inc., Los Angeles, Calif., a corporation of California
Application October 12, 1946, Serial No. 702,975
10 Claims. (Cl. 308—187)



1. A lubricant sealing device adapted to seal lubricant in a bearing which includes an antifriction bearing unit having outer and inner race members with straight sides and elements rollable between said race members, comprising: a thin, flexible pressure-responsive sealing member floatingly mounted entirely within said bearing and movable bodily toward said straight sides of said outer and inner races.

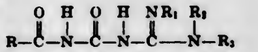
2,548,230
WELDING MASK
Cecil Patrick Molyneux, Hampton Bays, N. Y., assignor to Molyneux & Aspinwall, Inc., Flushing, N. Y., a corporation of New York
Application June 27, 1946, Serial No. 679,655
8 Claims. (Cl. 2—8)



1. In a welding mask associated with an electric arc welding device, a set of eye pieces of variable light transmission, means associated with the eye pieces for gradually varying the amount of light passed therethrough, and means directly responsive to variations in the current flowing in the welding device for operating the means associated with the eye pieces to thereby vary the amount of light passing through the eye pieces during a welding operation in accordance with variations in the current flowing to the welding device.

2,548,231
PREPARATION OF ACYLCARBAMYL-GUANIDINES
Daniel E. Nagy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 9, 1949, Serial No. 98,170
11 Claims. (Cl. 260—553)

1. A method of preparing a member of the group consisting of an acylcarbamylguanidine of the formula



and an acid addition salt thereof, where

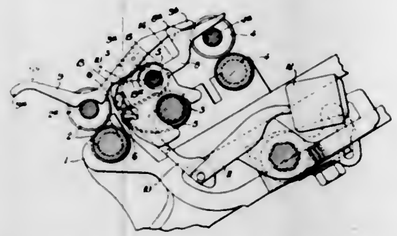


is the residue of an aromatic acid having a dissociation constant less than 1×10^{-4}, and R_1, R_2 and R_3 are members of the group consisting of hydrogen, alkyl, and aromatic hydrocarbon radicals, which comprises mixing together a dicyandiamide of the formula



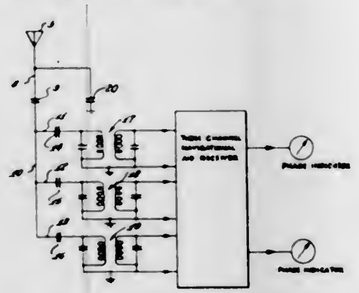
where the R's are as above defined, with an organic acid of the type above defined, and sulfuric acid and allowing the said substances to remain in contact with each other until an acylcarbamylguanidine has been formed.

2,548,232
DRAFTING MECHANISM IN SPINNING OR LIKE MACHINES
Joseph Noguera, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England
Application March 26, 1948, Serial No. 17,287
In Great Britain April 9, 1947
5 Claims. (Cl. 19—137)



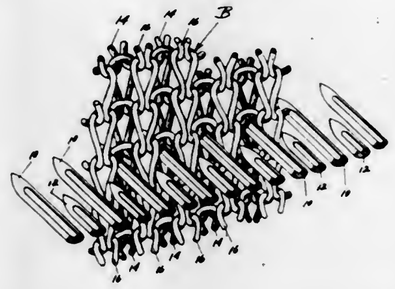
1. A roller weighting device for drafting mechanism in spinning and like machines having at least three consecutive pairs of drafting rollers, said device comprising a first saddle adapted to bear on the top drafting rollers other than the front top drafting roller, a second saddle adapted to bear on the front top drafting roller and upon the said first saddle and being capable of rearward displacement to free said front top drafting roller, means for transmitting a weighting pressure to said second saddle and means on each said saddle which can be inter-engaged, when said second saddle has been displaced rearwardly to free the top front roller, whereby said second saddle continues to apply weighting pressure to said first saddle when in said rearward position.

2,548,233
RADIO RECEIVING APPARATUS
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Original application August 27, 1945, Serial No. 612,991, now Patent No. 2,500,200, dated March 14, 1950. Divided and this application February 10, 1949, Serial No. 75,681. In Great Britain August 23, 1945
8 Claims. (Cl. 343—105)



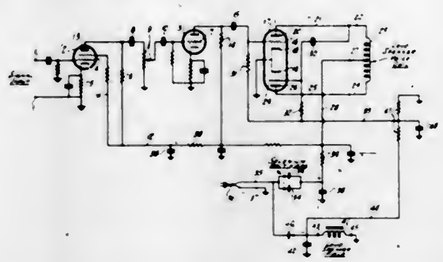
1. In a radio receiving apparatus, the combination of: a receiving antenna; a radio frequency receiver having a plurality of amplifying channels for respectively amplifying received signals of unlike but harmonically related frequencies and including means for measuring and indicating the multiple phase relations among said received signals; and a coupling means interposed between said antenna and said receiver responsive to changes in capacity of said antenna for producing phase shifts in each of said signals proportional to the frequency of said signals.

2,548,234
MACHINE AND METHOD FOR JOINING PLAIN AND RIBBED FABRICS
Thomas A. Oliver, Jr., Philadelphia, Pa.
Application December 20, 1948, Serial No. 66,239
2 Claims. (Cl. 112—27)



1. In a looping machine for joining together knit fabrics having a plurality of wales and courses, a bed, a plurality of impaling pins or points extending from said bed and the alternate impaling pins being longer than their adjacent shorter impaling pins, whereby a rib knit fabric may have the rear loops impaled upon said short pins while the front loops are being impaled only upon said longer pins.

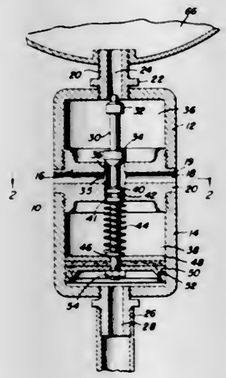
2,548,235
TRANSFORMERLESS AUDIO OUTPUT SYSTEM
Harry F. Olson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 13, 1947, Serial No. 734,489
3 Claims. (Cl. 179—1)



1. In a signal amplifying and transducing system for supplying sound signals corresponding to electrical signals: electron-discharge-tube amplification means including a final amplification stage having anode, cathode and control electrodes an input circuit, including a ground connection, coupling said control electrode to a source of electrical signals to be amplified and converted to sound signals; electro-acoustic transducing means connected at low D.-C. potential to said final amplification stage for converting electrical signals, amplified by said final

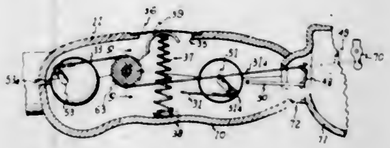
stage, into sound signals; said transducing means including movably positioned windings connected to carry signal currents and move in response to the variations in these signal currents; said windings being directly connected in series between said cathode and ground connection in degenerative relation in the final amplification stage as its output load to eliminate signal distortion and losses due to transformer couplings.

2,548,236
AUTOMATIC DRAIN VALVE FOR AIR TANKS
James M. Parks, Oklahoma City, Okla.
Application February 3, 1948, Serial No. 5,972
1 Claim. (Cl. 303—88)



An automatic valve comprising a housing: said housing being formed from three compartments, the upper compartment being of cup-shaped form having a threaded aperture centrally disposed in its base and a threaded mouth, said upper compartment being in inverted relation to the lower compartment, said lower compartment being of a form similar to said upper compartment, the middle compartment being of disc-shape having longitudinally extending peripheral flanges, each of said flanges being externally threaded and receivable in said threaded mouth of said upper compartment and lower compartment, an outlet threadably mounted at the top of the upper compartment in said aperture communicative with an air supply tank, an inlet threadably mounted at the bottom of the lower compartment communicative with an air line, a longitudinal bore in said middle compartment and a plurality of radial bores in the middle compartment containing ports leading to the atmosphere and communicative with said longitudinal bore, a valve stem centrally disposed in said longitudinal bore and in the housing, an inlet valve secured to the top of said valve stem and cooperable with said outlet, an outlet valve secured to said valve stem above and cooperable with said radial bores, means for actuating said valve stems whereby the valves are simultaneously and alternately operable, the means for actuating the valve stem consisting of a pressure responsive member movable against the terminus of a spring means whose other terminus abuts the bottom inner surface of the middle compartment, and a grooved nut secured to said valve stem freely movable in said vertical bore and containing appropriate packing in the groove to obtain an air tight fitting.

2,548,237
DOLL WITH MOVABLE PARTS
Oke L. Pearson, Chicago, Ill.
Application November 29, 1943, Serial No. 512,268
5 Claims. (Cl. 46—120)



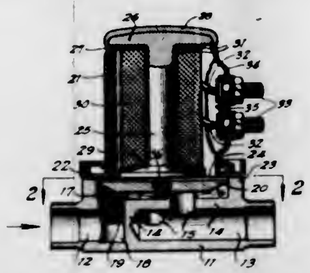
1. In a doll construction, a doll body; a neck and head having a pair of eyes movably mounted in said head; a transversely extending shaft journalled in said body; a plurality of rollers rotatively mounted in said body upon said transversely extending shaft below an upper portion of said body, said body having an opening; a depressible member mounted in said opening, flexible bands having one end of each thereof connected to said rollers respectively and each having the other end thereof connectable to said eye; a lever mounted on each of said rollers and extending to points adjacent said front depressible member; the depression of said depressible member and thereby of the selected levers adjacent thereto being adapted to rotate, as selected, said rollers to open or close said eyes.

2,548,238
AUXILIARY TOILET SEAT
Esther B. Potts and Frances D. La Roche, Waco, Tex.; said Frances D. La Roche now by change of name Frances D. Allen
Application December 7, 1945, Serial No. 633,313
1 Claim. (Cl. 4—239)



An auxiliary toilet seat formed from a single blank of foldable sheet material and having a seat portion provided with an opening, side walls extending upwardly along opposite side edges of the seat portion and provided with inwardly projecting flaps extending toward each other at the rear end of the seat portion, and a rear portion extending upwardly from the seat portion and folded forwardly and downwardly over the flaps in straddling relation thereto to hold the side walls upright, the forwardly and downwardly folded part of said rear portion fitting snugly between and frictionally engaging the inner faces of the side walls to maintain the rear portion in operative relation to the flaps, the free edge of said rear portion being provided with a finger receiving notch.

2,548,239
CORE STRUCTURE FOR ELECTROMAGNETS
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application May 5, 1947, Serial No. 745,951
9 Claims. (Cl. 175—21)



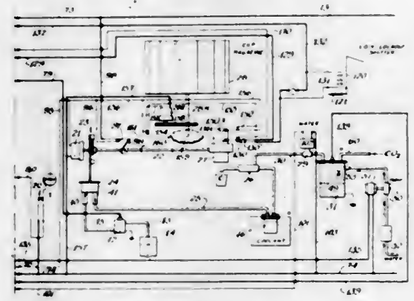
1. A core structure for an electromagnet, comprising: a cup-shaped shell of magnetic sheet material having side walls and an end wall integral therewith; an elongated core member centrally disposed within said shell and in such spaced relation to said side walls of the shell as to define therewith a space for an energizing coil; said core member having an integral enlargement at its inner end forming a relatively thin head substantially coextensive with, and shaped to conform to, the inner surface of said end wall of the shell; and means for securing said head in intimate engagement with said surface.

2,548,240
DEVICE TO FACILITATE AMPUTEE OPERATION OF MOTOR VEHICLES
Fred W. Reeder and Michael Edgar Ondov, Lorton, Va.
Application November 12, 1946, Serial No. 709,280
8 Claims. (Cl. 192—3)



1. For use in a motor vehicle having a hydraulic braking mechanism and a carburetor control for controlling the speed of the motor and also having the usual dashboard and instrument panel, a device for facilitating amputee operation of the vehicle comprising a carrier bar mounted through said dashboard and extending into the motor and operator's compartments, a separate braking mechanism supported on said carrier bar in the motor compartment with its axis laterally of said carrier bar, a support bar in the driver's compartment upstanding from said carrier bar, a fulcrum at the upper portion of said support bar, spacing means on said fulcrum, a lever supported for movement on said fulcrum and spaced by said spacing means laterally of the carrier bar and in substantial alignment with the axis of said separate braking mechanism, a rigid adjustable connection between said lever and separate braking mechanism extending slidably through the dashboard, a handle bar rigidly carried by the lower portion of said lever, a rotary hand grip carried by said handle bar and projecting forwardly of the instrument panel, means to yieldably bias said lever and hand grip to a rearward and upward position, a flexible connection between said hand grip and the throttle control, said flexible connection having a loop formed therein in rear of the dashboard, and means in said hand grip for causing said flexible connection to move back and forth on rotary motion of the hand grip.

2,548,241
BEVERAGE DISPENSING APPARATUS
Donald S. Reynolds, Niles, Donald E. Hooker, Skokie, and Amos E. Voirol, Oak Park, Ill., assignors, by mesne assignments, to Lyon Industries, Inc., New York, N. Y., a corporation of Delaware
Application September 2, 1948, Serial No. 47,408
19 Claims. (Cl. 225—21)

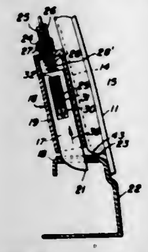


1. In a beverage dispensing system, the combination with a liquid supply, of level control means comprising an electrolytic feeler circuit for said supply and including a control relay closed through said circuit when there is a predetermined amount of said liquid in the supply, a standby circuit shunting out electrolytic current flow, and cycling switch means opening said standby circuit at predetermined intervals for operation of said relay by electrolytic current flow if the liquid supply affords said predetermined amount, said relay opening and dropping out if said predetermined amount is not available.

2,548,242
TRUNK LID LOCKING DEVICE FOR AUTOMOBILES
Clifford W. Rosenbarger, Indianapolis, Ind., assignor of fifteen per cent to Gus Edwin Rosenbarger, seven and one-half per cent to Roy Clifford Rosenbarger, and seven and one-half per cent to Cecilia M. Rosenbarger, Indianapolis, Ind.
Application November 28, 1947, Serial No. 788,555
1 Claim. (Cl. 292—171)

In a remotely controlled latching device, the combination of an elongated housing, a bolt slidable in said housing and projectable outwardly therefrom to a locking position, resilient means for projecting said bolt, one end of said housing being formed with a socket, a flexible control cable including a slidable inner member and a stationary casing secured in said socket, said bolt being formed with a longitudinally extending and open sided recess having inner and outer

ends, the inner member of said cable extending in said housing and in the recess of said bolt, a collar secured to said cable member in said recess, and a compression spring provided on said



cable member between the inner end of said recess and said collar, whereby said cable member is urged in the direction of the locking position of said bolt.

2,548,243
CUT-EASY DEVICE
Harry E. Smith, Atlanta, Ga., assignor of one-third to John Charles Duttenhofer, Richmond, Va., and one-third to Henrietta Elizabeth Hetzel, Atlanta, Ga.
Application January 23, 1948, Serial No. 3,992
3 Claims. (Cl. 30—258)



1. A cutting device comprising a handle having chamber therein, a fixed jaw extending forwardly from the handle and chamber, a movable jaw pivoted in said chamber and arranged to cooperate with said fixed jaw, said movable jaw having a dependent arm extending below its pivot point and a tail-piece extending rearwardly towards said handle off the pivot point, a trigger having an upper portion pivoted in the chamber adjacent the handle and in spaced relation to the pivot point of the movable jaw, said trigger having a finger projecting below the chamber, a link connection pivoted to said dependent arm and to an intermediate portion of said trigger, said trigger having a sloping upper edge between its pivot point and the handle and inclining from an upper high point downwardly and rearwardly towards said handle, a spring having one end fixed in said handle and the other end downturned to lie in engagement with the sloping upper edge of said trigger whereby when the trigger is pulled rearwardly to close the jaws the spring will be compressed to later automatically open the jaws when pressure is released from the trigger, and means movably carried within said chamber and having an operating part externally of said chamber for engaging beneath said tail-piece to hold the jaws closed against the action of said spring when pressure is released from the trigger.

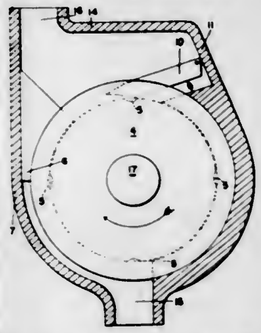
2,548,244
STEERING COLUMN
Louis Stein, Bronx, N. Y.
Application August 25, 1949, Serial No. 112,340
2 Claims. (Cl. 74—492)

1. In a steering column, the combination of a pair of shaft sections normally disposed in axial alignment and provided in adjacent end portions thereof with longitudinally extending slots, transverse pivot pins slidable in said slots, and a link having each end thereof mounted on one of



said pins, whereby the shaft sections are operatively connected together and whereby they may assume angularly offset positions, the adjacent ends of said shaft sections having convex extremities adapted to abut each other.

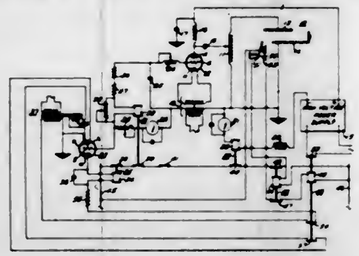
2,548,245
QUANTITY SELECTING MACHINE FOR SEGREGATING DRY GRANULAR MATERIAL
Allan George Stevens and Ada Emily Stevens, East Barnet, England
Application March 9, 1945, Serial No. 581,822
In Great Britain March 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1964
2 Claims. (Cl. 222—345)



1. A device for the quantitative dispersion of seeds comprising in combination a hopper; a peripherally V-shaped grooved wheel having a plurality of pockets arranged at spaced intervals along the bottom of the groove rotatably supported upon a spindle and disposed wholly within said hopper; a guide block of the same width as the grooved wheel and complementary thereto disposed between the side of the hopper and the said grooved wheel; a wiper bar of the same width as the grooved wheel and having a tapered end of which the nose is made from resilient material complementary to the groove and disposed tangentially to and riding freely in said groove; spring means with which to keep the tapered end of the wiper bar in contact with the grooved wheel and a pocket closure located between the side of the hopper and the wiper bar on the opposite side of the latter to the guide block.

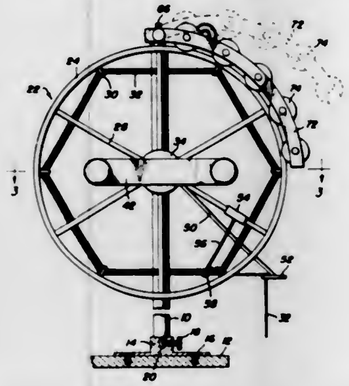
2,548,246
ARC-OVER PROTECTIVE SYSTEM FOR HIGH-FREQUENCY HEATING SYSTEMS
John E. Walstrom, Middlesex County, Mass., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application December 11, 1946, Serial No. 715,522
15 Claims. (Cl. 250—27)

14. A system for protecting the work load and the high-frequency oscillator tube of a dielectric heating system from effects of arcing between the load-heating plates comprising a relay having normally closed contacts separable to interrupt the anode circuit of said oscillator tube, means normally effective to maintain energization of said relay below contact-operating magnitude comprising a control tube and connections in-



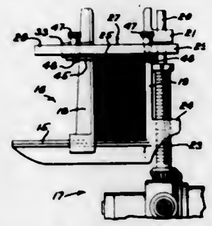
cluding said relay in the anode circuit of said control tube, and means effective upon arcing between said load-heating plates to produce rise of the relay energization above said contact-operating magnitude comprising resistance means in the grid-cathode circuit of said control tube and connections therefrom to an electrode circuit of said oscillator tube.

2,548,247
FISHING REEL
Roscoe D. West, Traverse City, Mich.
Application October 4, 1948, Serial No. 52,658
3 Claims. (Cl. 242—99)



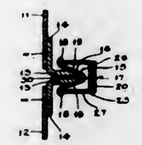
1. A fishing reel comprising a base member, a standard having a lower end horizontally rotatable on said base member, a pair of spaced vertically disposed circular frame members, circumferentially spaced line retaining members interconnecting said frame members, a hub centrally interconnecting said frame members, a shaft extending through said hub and secured at one of its ends to said standard, a handle carried by said hub for rotating the latter about the shaft, brake means pivotally mounted on the upper end of the standard for movement in a vertical plane and engaging the peripheries of the frame members in a lowered position, and manually operable latch means for selectively retaining said brake means in a raised and lowered position upon the frame members, said brake means including therefor an elongated arcuate frame pivoted at one of its ends to the upper end of said standard and spaced rollers carried by said arcuate frame, said rollers including spaced annular grooves for receiving the peripheries of said frame members when said arcuate frame is lowered thereupon.

2,548,248
COILED STOCKHOLDING FIXTURE
Harold G. Wiebe, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 28, 1947, Serial No. 724,727
7 Claims. (Cl. 242—105)



7. A removable fixture applicable to a reel for holding the end of a coil of strip material on said reel comprising a pair of members, adjustable means connecting said members operable to move one of said members relative to the other to clamp the end portion of the coil of strip material therebetween, and adjustable means carried by one of said members operable to clamp said members to said reel.

2,548,249
BAND CLAMP
Theodore A. Woolsey, Pasadena, Calif., assignor to Marman Products Co., Inc., a corporation of California
Application July 1, 1946, Serial No. 680,615
4 Claims. (Cl. 285—129)



1. In a band clamp for joining adjacent ends of aligned tubular members having outwardly extending flanges, an annular force-resolving channel comprising side walls diverging toward the axis thereof and a rim portion joining said side walls, said side walls being adapted to embrace said flanges and to engage the same near said rim with the inner extremities of said side walls flaring away from said flanges, said side wall having at said inner extremities, axially extending abutment portions, a constricting band, means for applying constricting tension to said band, and a plurality of circumferentially spaced pressure fingers carried by said band, extending radially inwardly therefrom, embracing said channel, and, at their inner ends, bearing against said abutment portions to deliver thereto radial forces which will result in springing of said inner portions of said walls toward each other with the intermediate portions of said walls fulcruming against said flanges.

2,548,250
PUSH-OUT WINDOW
Everett W. Allen, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 21, 1947, Serial No. 787,424
9 Claims. (Cl. 189—64)

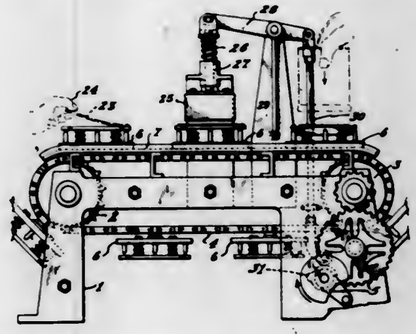


1. In a push out safety closure for an observation opening in a wall, a normally stationary window occupying and closing an end portion of said observation opening, a slidable window slidable between two extreme positions in one of which it occupies the remainder of said observation opening and completes the closure thereof and in the other of which positions, it overlaps the wall immediately beyond the observation opening, a pair of guide rails slidably mounting the slidable window, hinge mountings carried by said wall at opposite ends of said observation opening, one for the normally stationary window and the other for said guide rails intermediate their ends and releasable latch means retaining the stationary window and guide rails in closure relation to said observation opening and operable to release the same for outward swinging about said hinge mountings to afford unobstructed clearance of the observation opening without regard to the position of the sliding window in its guide rails.

2,548,251
MEANS AND METHOD FOR SECURING THE EFFECTS OF END DIPPING IN GAS-TIGHT FLEXIBLE WALL PACKAGES
Samuel Bergstein, Cincinnati, Ohio
Application April 10, 1946, Serial No. 661,164
21 Claims. (Cl. 229—5.5)

1. A process of treating closed cartons having end closure flaps and body walls surrounded by a gas-tight sleeve which comprises associating a non-solid thermo-plastic sealing substance with an end of said carton so as to cover said end, and molding said sealing substance about said end and contiguous end portions of the body wall, so as to insure complete coverage of and bond with the portions of said carton with which said thermo-plastic sealing substance is associated, with areas of greatest thickness adjacent exposed edges of said sealing flaps.

10. In a device for the purpose described, a molding means comprising a platform to cover the end of a carton, means mounting said platform for reciprocatory movement transverse its plane, side and end molding members pivoted to the sides and ends of said platform and adapted to be swung from a substantially coplanar position to a position substantially at right angles to said platform, and means for engaging said side and end molding members and acting upon movement of said platform, to swing said members from said first mentioned position to said second mentioned position, said platform having a highest position in which said side and end molding members are in the substantially coplanar position, and an intermediate position in which said side and end molding members are partially deflected so that a cover member placed on said molding device can be partially formed thereby, automatically acting holding means for fixing said molding device in the intermediate position, the molding device having a third position in which said molding members are substantially at right angles to said platform, and means for rendering said holding means inoperative in said last mentioned position, and resilient means for returning said platform to the first mentioned position.

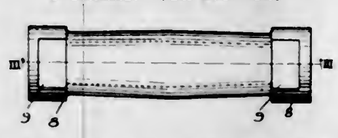


2,548,252
BOX WITH ATTACHED HANDLES
Samuel Bergstein, Cincinnati, Ohio
Original application May 18, 1944, Serial No. 536,182. Divided and this application August 3, 1946, Serial No. 688,283
7 Claims. (Cl. 229—52)



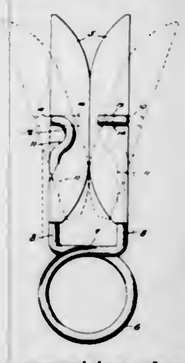
1. A handle box having a pair of main panels adapted to lie vertically in spaced relation when the box is in erected carrying position, a pair of supplementary panels, one supplementary panel being articulated to each of the main panels along a score line, said supplementary panels being adapted to lie one over the other to form a top for the box when in erected carrying position, said box being in collapsed condition in which said main panels are co-planar and said supplementary panels are in infolded condition overlying said main panels, and a pair of discrete boxboard handle members, each member having a portion adhesively secured to the outer surface of one of the main panels, and a free portion, in infolded condition overlying said supplementary panels, said free portions being of a length to cross the said top of the box, whereby said free portions may be brought together above the box top to form an upstanding handle.

2,548,253
CRUTCH AND CRUTCH ATTACHMENT
Morris Bonn, Pittsburgh, Pa.
Application March 10, 1948, Serial No. 14,003
6 Claims. (Cl. 135—51)



1. A cushion for crutch handles comprising a resilient sleeve of flexible and compressible material having a thickness sufficient to constitute a yieldable pad, the sleeve having an opening therethrough into which the handle of a crutch may be fitted, the sleeve having transverse openings at each end through which the side bars of a crutch may pass.

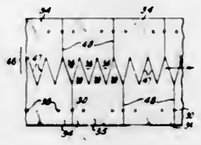
2,548,254
CLOTHESPIN
William L. Churchill, Jr., Sutherland, Nebr.
Application July 9, 1946, Serial No. 682,236
1 Claim. (Cl. 24—137)



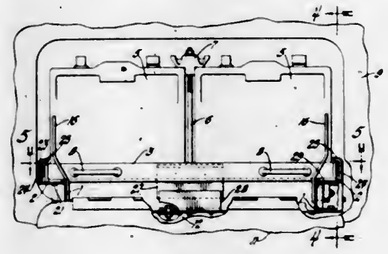
A clothespin comprising clamping members having transverse grooves disposed in their outer surfaces and communicating grooves formed in the sides thereof, the grooves being formed intermediate the ends of the clamping members, the grooves in opposite sides of adjacent clamping members extending inwardly from the side surfaces of said clamping members and extending diagonally across the outer surfaces thereof in opposite directions terminating at the rear ends of the clamping members, a spring member embodying a pair of spring arms and an intermediate coiled portion connecting said arms, said arms having right angled ends fitted in the transverse grooves and lying in the grooves in the sides of the clamping members, portions of the arms resting in the grooves extending diagonally across the outer surfaces of said clamping members, and portions of the arms adjacent to the coiled portion overlying the rear ends of the clamping members, restricting movement of the rear ends of the clamping members with respect to each other.

2,548,255
SINGLE-USE TOOTHBRUSH
Edward P. Cressler, Newton, Kans.
Application January 6, 1947, Serial No. 720,360
3 Claims. (Cl. 300—21)

2. The method of manufacturing a single-use toothbrush comprising the following steps: cutting a large number of spacing pads from a supply of water-softenable pasteboard; cutting a large supply of individual prong sections from sheet plastic material of stiffly flexible character by longitudinally feeding a supply strip of said material and cutting therefrom a double row of complementary series of the prong sections each having a body area between a base portion and the projecting prongs, namely, by producing a continuous zigzag cut along the middle of said strip to outline the two series of intermeshing prongs, and producing spaced cross cuts each of which extends from an apex to the near edge of the strip, at both sides thereof, these cutting actions causing severance of the individual prong sections; and before severance punching a series of perforations adapted subsequently to receive a longitudinal clamping device or staple, and a second series of perforations, straddling the positions of the cross cuts to form side indentations on the prong sections; next assembling a number of such spacing pads with a number of groups of prong sections between the pads, to build up a complete bristle head, and inserting the clamping staple member, and clinching the same to complete the bristle head.



2,548,256
BATTERY CARRIER
Clyde W. Deo, Waterford, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 17, 1947, Serial No. 792,316
4 Claims. (Cl. 180—68.5)



1. In a vehicle body having a storage pocket in a wall thereof, a skid runner mounted in said pocket, a shiftable tray bottoming on said runner, a limit stop fixed to said runner and projected above the same at its forward end to abut the front end of the tray and thereby resist skidding of the tray in its retracted storage position, a tray engageable roller adjacent said limit stop and a crank arm mounting for said roller operable to raise the roller and thereby tilt the tray so that the adjacent tray portion is elevated above said abutment stop while the rear of the tray is skidably supported on the runner.

2,548,257

PARA-HIPPURYLAMIDO SALICYLIC ACIDS AND DERIVATIVES AND PROCESS OF MANUFACTURE

Alan August Goldberg, Hampstead, London, and Norman Leslie Thomas, Shepton Mallet, England, assignors to Ward, Blenkinsop & Company Limited, London, England, a British company

No Drawing. Application July 2, 1949, Serial No. 102,954. In Great Britain July 2, 1948
9 Claims. (Cl. 260—519)

1. As new products hippurylamido hydroxybenzoic acids having the general formula



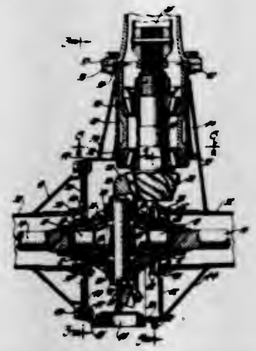
in which A is selected from the group consisting of hydrogen, halogen and nitro, and salts thereof.

2,548,258

DRIVE AXLE

Bain Griffith, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 12, 1949, Serial No. 87,002
13 Claims. (Cl. 74—713)



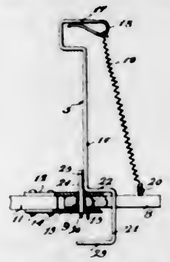
1. In a vehicle drive axle having a pair of wheel drive shafts drive coupled at their inner ends through differential mechanism with a pinion shaft, a supporting and enclosing housing of thin gauge sheet metal parts including a pair of hollow tubes arranged end to end, each with supporting bearings near opposite ends, one of the tubes being longer than the other so that its inner end is longitudinally aligned with the pinion shaft while the inner end of the other tube is spaced therefrom for reception of the differential mechanism therebetween, a pressed metal bulkhead in the form of an apertured disk centrally fitted and welded on the inner end of the shorter tube, a pressed metal frusto-conical stiffener peripherally welded to said bulkhead and centrally welded to the tube in outwardly spaced relation to the tube inner end, a pressed metal bulkhead centrally welded to the inner end of the longer tube and formed with its radial dimension reduced in the region of pinion location to afford pinion clearance, a pressed metal stiffener having a frusto-conical portion peripherally welded to the bulkhead and centrally welded to the longer tube in outwardly spaced relation to the tube inner end and having a generally half cylindrical portion projecting along the pinion shaft axis, a pressed metal central housing member having one portion of generally cylindrical shape about the drive axle axis and another portion of generally half cylindrical shape along the pinion shaft axis, said member along one edge being welded to the inner edge of the last mentioned stiffener to cooperate therewith in enclosing the longitudinal pinion shaft and the differential mechanism and said member along its opposite edge being detachably secured to the welded together bulkhead and stiffener on the shorter tube.

2,548,259

LIFT PIN FOR COUPLING TRAILER AND DRAFT VEHICLES

David A. Hall, Sheridan, Ill.

Application March 12, 1948, Serial No. 14,424
6 Claims. (Cl. 280—33.15)



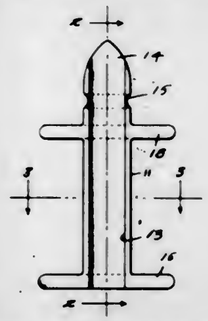
1. A combination coupling and lifting pin for connecting draft and trailer vehicles comprising a rod having a U-shaped portion formed at one end including a bight portion disposed parallel to the main portion of the rod, said U-shaped portion defining a hook which opens laterally of the rod, said hook being adapted to engage and lift a tongue for positioning the tongue to be coupled to a drawbar or the like of a draft vehicle, and a coupling pin fixed to said rod and extending into the open side of the hook.

2,548,260

PICKER STICK STRAP LUG

Liday E. Hamilton, Sr., Atlanta, Ga.

Application December 30, 1949, Serial No. 135,947
1 Claim. (Cl. 139—154)



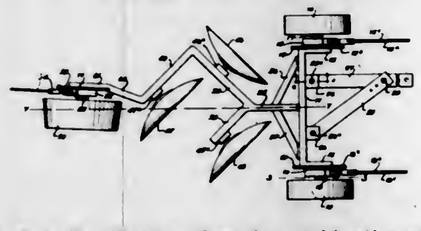
A picker stick strap lug adapted for mounting on a picker stick, comprising an elongated member having a transverse groove adjacent one end thereof, said groove being adapted to receive an element for securing said lug to said stick, a pair of transversely extending wings carried by said member adjacent said groove but inwardly thereof from the end of said member, a second pair of transversely extending wings carried by the opposite end of said lug, both said pair of wings extending transversely a substantial distance from the sides of said lug, said wings having a width greater than the thickness of said member, and a rib connected between each pair of said wings and projecting from the forward side of said member.

2,548,261

DITCHING PLOW

Levi C. Hester, Jacksonville, Fla.

Application July 28, 1948, Serial No. 41,131
2 Claims. (Cl. 97—53)



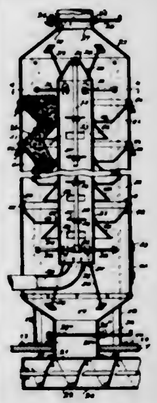
1. In a disc ditching plow, the combination with a forward wheel supported carriage, a single piece trailing frame having a wheel supporting the rear end thereof, the face of said wheel lying in the median line of the carriage and rotating in a plane extending at a slight angle to said line, of two forward discs journaled one behind the other on said frame equidistantly at opposite sides of said median line and a third disc journaled on the frame in rear of the first mentioned discs and in a central position with respect to them, all of said discs being substantially journaled in the plane of the trailing frame.

2,548,262

GRAIN DEHYDRATOR AND MIXER

Thomas L. Hintz, Raymond, Minn.

Application August 12, 1949, Serial No. 109,880
2 Claims. (Cl. 34—171)



1. A mixing and dehydrating apparatus comprising a tower including an outer casing and an inner casing, means for supporting said inner casing within the outer casing and substantially axially thereof, said inner and outer casings combining to form an annular material passage therebetween, said outer casing having an inlet at its upper end, a conduit for supplying a finely divided material by gravity to said inlet, said outer casing having an outlet at its lower end for discharge of the material therefrom by gravity, said inner casing being provided with vertically spaced downwardly and outwardly diverging frusto-conical baffles, said outer casing being provided on its inner side with downwardly and inwardly converging frusto-conical baffles, said baffles of the inner and outer casings being disposed in staggered relationship relatively to one another and within the material passage for causing the material passing downwardly therethrough to be deflected inwardly and outwardly toward and away from the walls of the inner and outer casings for agitating and mixing the material, said inner casing defining an upright heat chamber, means for supplying heated air or gases to the lower end of said heat chamber, said inner casing having openings therein opening into the spaces of said material passage located beneath the downwardly diverging baffles for supplying hot air and gases to said passage to mingle with and dry the material passing downwardly therethrough, and said outer casing having openings communicating with the atmosphere and opening into the spaces of the material passage located beneath the downwardly converging baffles and through which the heated air and gases may escape to the atmosphere, a rod disposed axially in and secured to said inner casing, a plurality of vertically spaced baffles mounted on the rod and located above and adjacent each of the openings of the inner casing for deflecting the air outwardly of said openings, and means adjustably securing each of the baffles to the rod for varying the positions of the individual baffles relatively to the adjacent openings of the inner casing.

2,548,263

GELATINIZED STARCH

Tjako Friedrich Herman Hofman, Hoogezand, and Fritz Leo Paul Krizkovsky, Leiden, Netherlands, assignors to N. V. W. A. Scholten's Aardappelmeelfabrieken, Ossemarkt, Groningen, the Netherlands, a limited liability company

No Drawing. Application December 29, 1947, Serial No. 794,436. In the Netherlands November 6, 1943
3 Claims. (Cl. 127—32)

1. A dry food product, consisting of potato starch which is gelatinized by heating and simultaneous drying of a mixture of potato starch with not more than an equal weight of water to a temperature above the gelatinizing point, but not exceeding 180° C., the temperature and duration of the heating treatment being sufficient to destroy the granular structure of substantially all starch granules and cement the same together in a mass so that they are cemented together in the form of small pieces of broken film of a horny character, insoluble in cold water and swellable to a limited extent when heated with water, but retaining their general form.

2,548,264

TUMBLING PROCESS FOR BEARING ASSEMBLIES

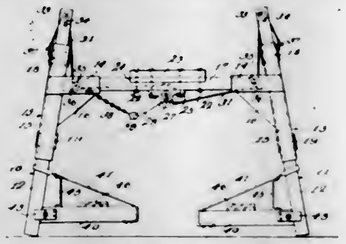
James A. Howe, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

No Drawing. Application March 16, 1948, Serial No. 15,262
7 Claims. (Cl. 51—282)

1. A tumbling process for bearings comprising the steps of subjecting the bearings to a grease

solvent, tumbling the bearings in an alkaline solution of water, a detergent, a lubricant, and an abrasive; rinsing the bearings in acid-free water, tumbling the bearings in an alkaline solution of water and a lubricant; rinsing the bearings in acid-free water, tumbling the bearings in an alkaline solution of water and a detergent; then tumbling the bearings in a diluted solution of water and a detergent; rinsing the bearings in acid-free water, drying the bearings under a hot filtered air blast, and then rinsing the bearings in a suitable light oil.

2,548,265
WINCH OPERATED VERTICALLY ADJUSTABLE SCAFFOLD
Joseph Jindrich, Marengo, Iowa
Application May 23, 1947, Serial No. 749,973
1 Claim. (Cl. 304—29)



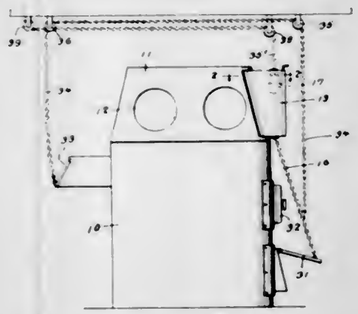
A mechanical scaffold comprising two pairs of upwardly extending leg members, a socket support slidably mounted upon each leg member, a pair of longitudinally extending sockets formed in each of the socket supports, a transversely extending socket formed in each of the socket supports, transversely extending cross ties mounted in pairs of the transversely extending sockets, a platform mounted upon the cross ties, longitudinal support members engaged in the longitudinally extending sockets and means for vertically moving the socket supports, said means including a shaft carried by the platform, a handle affixed to one end of the shaft, spools affixed to the shaft and cables affixed to and adapted to be wound upon said spools and attached at their other ends to the leg members.

2,548,266
LAMINATED INSOLE FOR WELT SHOES
Saul L. Katz, Rochester, N. H.
Application October 15, 1947, Serial No. 780,023
1 Claim. (Cl. 36—22)



A prepared laminated insole for use with welt shoes of leather or fabric, said insole consisting of a full length ply of fibrous material, an all-over cushion ply of cork composition which is inherently resilient and will yield readily to compression and is permanently united in continuous face-to-face contact to the fibrous ply, a sewing rib disposed in direct contact with the cushion ply, and securing means comprising a covering of fabric adhesively attached to the rib and to the face of the cushion ply on both sides of the rib.

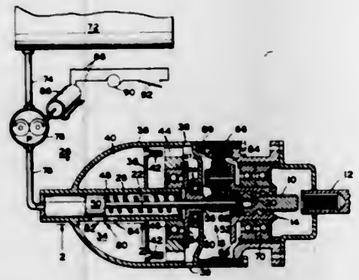
2,548,267
THERMOSTATICALLY RELEASED FURNACE DRAFT CHECKING SAFETY DEVICE
Eugene M. Leichtle, Milwaukee, Wis.
Application May 1, 1947, Serial No. 745,195
3 Claims. (Cl. 126—290)



1. In a draft control for a furnace having a housing with an ash door in the lower part thereof and having an opening in the upper part thereof, the combination which comprises an enclosed auxiliary casing mounted on the upper part of the housing and positioned to cover the said opening therein, a latch pivotally mounted in the said auxiliary casing, a cable carried by the latch and attached to the said ash door for holding the ash door in the open position, and a thermostat positioned in the said auxiliary casing and attached to the said latch whereby the said thermostat actuates the latch to release the cable to close the ash door when the temperature in the auxiliary casing reaches a predetermined degree.

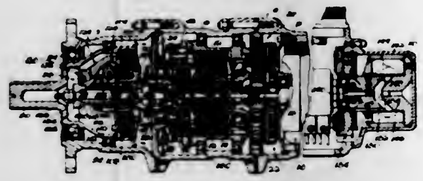
2,548,268
ENGINE STARTER MESHING MEANS
Charles S. Metsger, Morris Plains, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 13, 1947, Serial No. 785,723
5 Claims. (Cl. 123—179)

1. In an engine starting mechanism, the combination of a rotatable engine-engaging member adapted for axial extension and retraction movements, respectively, between a position released from, and a position meshed with, an engine member for starting the engine, an axially stationary rotative nut, means including fluid-responsive driving means adapted to rotate the nut, a screw shaft element axially movable relative to, and rotatively movable by, the nut and associated with the engine-engaging member for rotating the latter, a meshing rod element, one of said elements being operable by fluid pressure to move said engine-engaging member in its said axial extension movement engaging it to said engine member, means including spring means cooperating with said meshing rod element to oppose said movement of the engine-engaging member by said one element, a pressure chamber containing a catalyst associated with said fluid-responsive driving means, a source of propellant, means adapted to convey the propellant under pressure from said source to said one fluid-pressure operable element for first operating the same



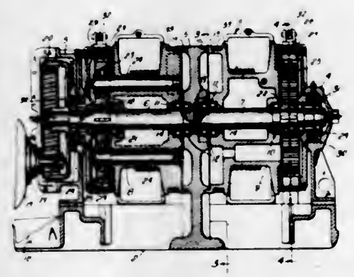
to initiate said extension movement, and a throttle device including means controlled by said one fluid-operable element to admit the propellant to said chamber for reaction with the catalyst effecting fluid pressure for causing rotative action of said engaging member by said driving means following the initiation of said extension movement.

2,548,269
ACTUATOR FOR CLUTCHES
Leonard Ochtman, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 30, 1947, Serial No. 745,027
4 Claims. (Cl. 192—40)



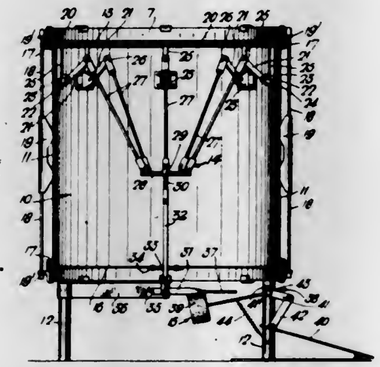
1. The combination of a housing, a friction disc pack, a drum, a pack shaft having a length in the pack and an axial keyway, discs of the pack non-rotatively axially movably connected to the drum and said length, respectively, a housing partition, a pack shaft bearing axially slidable in said partition, means including a nut having a peripheral groove and radial apertures and adjustably fixed on the pack shaft and operating through said bearing for adjusting the pressure between the pack discs, a split snap ring having outwardly rounded ends adapting it for slip mounting in and removal from said annular groove and including an inner central key adapted to enter one of said radial apertures and said keyway and having a tool receiving portion, a coupling of substantially cup-shape axially movable in the pack shaft, a second axially slidable bearing disposed in the coupling including a non-rotative member, a preloaded compression spring between the coupling and a rotatable member of said latter bearing, a rod extending from the closed end of the coupling, an output shaft having a barrel, a pack shaft hub, a clutch having discs non-rotatively axially movably connected to the barrel and the hub, respectively, a clutch pressure ring, a pressure ring release spring, a lever mounting ring on the pack shaft, shim means between the hub and the lever ring, means holding the lever ring relative to said shim means, a clutch operating member telescoping the pack shaft around said rod having a cylindrical portion near said other pack shaft end and successively from said cylindrical portion a short conical step at a given angle and a long step of less angle to the pack shaft axis, levers each pivoted on the lever ring having an arm engaging the pressure ring and an arm carrying a roller adapted to roll along said steps, a spring in the pack shaft biasing said operating member outwardly of said other end of the pack shaft, means backing the operating member against the latter spring in position holding the rollers opposite said cylindrical portion and the pressure ring released, a clutch operating rod fixed to said non-rotative member, and axially movable in said pack shaft, a solenoid including a stationary pole element, an axially movable non-rotative armature element fixed to said operating rod, and a non-magnetic member defining a minimum flux gap between said elements.

2,548,270
HOIST
Charles F. Osgood, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 6, 1945, Serial No. 633,063
13 Claims. (Cl. 254—185)



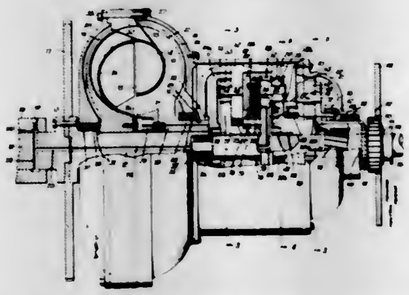
1. In a hoist, a frame having end supports and a central support, a motor carried by said frame at one end thereof, shafts driven by said motor and arranged in axial alinement and journaled at their remote ends in said end supports and at their adjacent ends in said central support, a releasable coupling arranged in said central support for connecting said axially alined shafts together, relatively rotatable cable winding drums arranged between said end supports and said central support at the opposite sides of the latter and journaled on and supported by said axially alined shafts respectively, and driving connections between said shafts respectively and said drums for independently rotating the latter in cable winding direction, said releasable coupling permitting removal of one drum, its shaft and driving connections without disturbing the central support or the other drum, its shaft and driving connections and while the shaft of said other drum remains journaled in said central support.

2,548,271
PERCUSSION MUSICAL INSTRUMENT
Charles William Percy, London, England, assignor to John E. Dallas and Sons Limited, London, England
Application July 29, 1947, Serial No. 764,529
In Great Britain March 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 28, 1966
10 Claims. (Cl. 84—422)



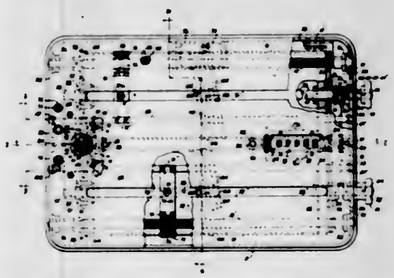
1. A percussion musical instrument comprising a double vellum drum adapted to be supported with its central longitudinal axis in an upright or substantially upright position, foot-operated means for adjusting the tension of the upper vellum of the instrument during use so that tympano and tom-tom effects can be produced, and a foot-operated beater for striking the lower vellum of the drum to produce bass drum effects.

2,548,272
TRANSMISSION
Frederick W. Seybold, Westfield, N. J.
Application October 11, 1949, Serial No. 120,649
21 Claims. (Cl. 74—677)



1. A variable speed transmission comprising in combination, a drive shaft, a driven shaft, a reaction member including first and second sun gears mounted for rotation about the axis of the driven shaft, a three element hydraulic coupling composed of an impeller connected to the drive shaft and primary and secondary runners, a stationary brake member, a helically threaded member on the reaction member which cooperates with said stationary brake member upon rotation of the reaction member in one direction to brake the reaction member against rotation, first and second internal gears encircling said sun gears and respectively connected to the runners of said hydraulic coupling, a first planetary pinion carrier attached to the driven shaft having planet pinions thereon meshing with the first sun and internal gears, a second planetary pinion carrier having planet pinions thereon meshing with said second sun and internal gear, and means including a clutch for automatically connecting said second pinion carrier to the first internal gear to drive the driven shaft at reduced speed but increased torque when said reaction member is braked.

2,548,273
INSTRUMENT FOR RESOLVING GEAR RATIOS
Russell H. Stout, Charleston, S. C.
Application October 21, 1946, Serial No. 704,761
11 Claims. (Cl. 235—87)

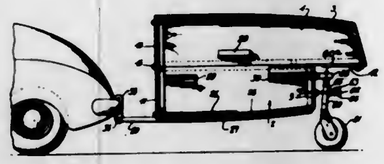


1. In combination, an electric circuit, a pair of cooperating revoluble gear ratio resolving metallic cylinders having suitably spaced, radial projections suitably formed thereon in a helical path of uniform pitch, a set of numbers arranged correlatively adjacent to each of said projections, said numbers corresponding to the number of teeth in each of a set of driving gears and in each of a set of driven gears, screw operated carriages arranged in cooperative relation to each of said cylinders and the said projections, the said carriages each having an electrical conductor disposed thereon, the same being arrangeable whereby to make contact with a certain projection on each of said cylinders, screw carriage-propelling means arranged in cooperative relation to each of said cylinders and the said carriages, cylinder locking means comprising spring-actuated cam-operated pawls, a disengageable friction clutch associated with one of said cylinders, a revolution counter arranged in cooperative relation of said cylinders, a system of gearing with which to interconnect the above-mentioned cylinders, and the carriage operating screws in cooperative relation to each other included in the said electrical circuit are the said cylinders, said projections, and said conductors, and a U-shaped electrical conductor frictionally engaging said cylinders through the medium of an attached collector band arranged in electrical cooperative relation to said projections, and a frame or inclosure in which to mount said mechanism.

2,548,274
COMBINATION BOAT AND TRAILER
Donald J. Van Oeveren, Arlington, Va.
Application August 11, 1948, Serial No. 43,587
1 Claim. (Cl. 9—2)

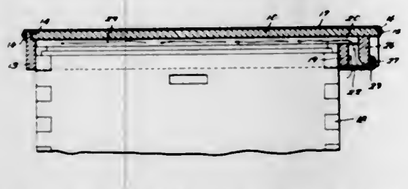
A convertible trailer boat comprising two sections hingedly attached to enable folding of one section upon the other, a carrier wheel support

and horizontally pivoted mount therefor comprising a forked unit and a right angular extension on said unit, said extension being pivotally secured to the stern of the lower section for movement in a vertical plane, lateral posts mounted on the stern of the lower section adjacent each side of the forked unit shock absorbing means



resiliently engaging said support comprising a lateral member engaging said posts transversely to said support, springs abutting said member and mounted on said posts, and retaining means on said posts engaging said springs to maintain said mount in substantial vertical position for operative traveling relation.

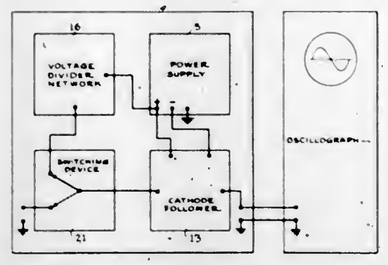
2,548,275
VENTILATING HIVE COVER
George F. Watkins, Austin, Minn.
Application April 3, 1947, Serial No. 739,072
2 Claims. (Cl. 6—1)



1. A cover for a bee hive, comprising a top having secured thereto, sideboards and an end board that are adapted to encompass the hive on three sides thereof, a cross bar secured to the sideboards in opposed relation to the end board to engage the remaining side of the hive, the upper longitudinal edge of said cross bar being spaced from said top to permit ventilation of said hive, cleats secured to said top in longitudinal relation with said side boards to support said top on said hive, baffles adjustably secured to the lower longitudinal edge of said cross bar to control the ventilation of said hive, and a louver board pivotally mounted intermediate of said side boards forwardly of and parallel to said cross bar that is adapted to be moved into horizontal vertical or inclined relation with respect to said baffles, to provide ventilation for said hive in addition to the ventilation controlled by said baffles.

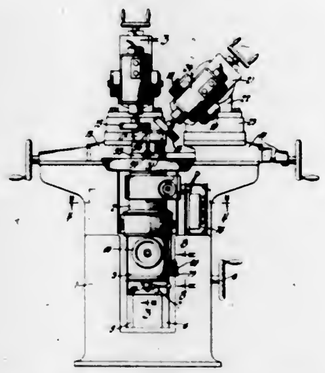
2,548,276
VOLTAGE AND PHASE MEASURING CATHODE-RAY OSCILLOSCOPE
August L. Weisbecker, Williamstown, N. J.
Application July 9, 1948, Serial No. 37,880
9 Claims. (Cl. 172—245)

1. A device, for use in conjunction with a cathode ray oscilloscope for measuring electric potentials, comprising: a two pole switching device having a switching rate of at least 10 times the low frequency cut-off of the oscilloscope and a switching interval less than 50 micro-seconds; a variable calibrated voltage divider circuit the output of which is connected to one pole of said switching device and the input of which is connected to a stable direct current voltage source input means for connecting a voltage to be measured to the other pole of said switching device; output means including a cathode-follower for connecting the output terminal of said switching



device to one deflecting circuit of said oscilloscope; means including a potentiometer for continuously varying the output of the voltage divider so that registry can be obtained between any part of an oscillographic trace of the voltage undergoing measurement and an oscillographic trace of the direct current voltage output of said voltage divider.

2,548,277
CUTTER GRINDING MACHINE
Leonard D. Whittlesey, Flint, and Oscar L. Strand, Mount Morris, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 9, 1948, Serial No. 31,896
13 Claims. (Cl. 51—123)



12. A machine for grinding the teeth of circular milling cutters and the like, comprising a work spindle adapted to carry the milling cutter to be ground, means for imparting a continuous axial rotation and a continuous longitudinal reciprocation to the spindle, means operably responsive to spindle rotation at the end of each revolution of the spindle to shift the reciprocatory stroke of the spindle a predetermined amount, and an abrasive member fixedly positioned relative to the longitudinal movements of the spindle for contacting successive teeth of the milling cutter with each reciprocation of the spindle.

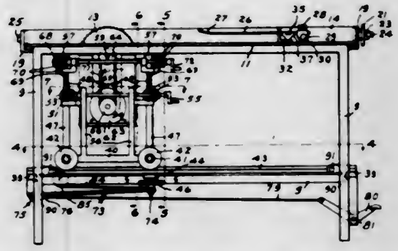
2,548,278
AIRCRAFT COURSE STABILIZING MEANS
Walter H. Wirkler, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application August 17, 1949, Serial No. 110,826
33 Claims. (Cl. 343—107)



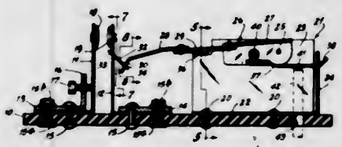
1. A system for controlling the flight of an aircraft so as to approach and coincide with a beam of radiant energy transmitted from the ground comprising, aircraft control means, a receiver responsive to energy from said beam, instrument means independent of said receiver, deviation deriving means receiving signals from said receiver and from said instrument means and producing a deviation signal proportional to the deviation of the aircraft from the beam, velocity deriving means receiving signals from said receiver and said instrument means and producing a velocity signal proportional to the velocity of the aircraft perpendicular to the beam, acceleration deriving means receiving a signal from said receiver and said instrument means and producing an acceleration signal proportional to the acceleration of the aircraft perpendicular to the beam, said deviation deriving means, velocity deriving means, and acceleration deriving means obtaining the unidirectional and relatively low frequency components from the receiver and obtaining the relatively higher frequency components from the instrument means, and said aircraft control means receiving said deviation, velocity and acceleration signals to control the flight of the aircraft.

2,548,279
ADJUSTABLE TRAVELING POWER-OPERATED TABLE SAW
Lawrence Romaine Young, Seattle, Wash.
Application October 1, 1946, Serial No. 700,492
3 Claims. (Cl. 143—47)

3. In a saw, a saw table having a table top provided with a longitudinally extending saw slot; horizontal track means supported by said table below the table top; devices for adjusting said track means transversely of the table top; a carriage movable on said track means, lazy tongs means connected with said carriage for moving the same; a foot pedal operatively connected with said lazy tongs means; a frame swingably mounted on said carriage; a driven circular saw carried by said frame and extending up through said slot; means for vertically adjusting said swinging frame relative to said table top; and means for angularly adjusting said swinging frame to thereby vary the angle of said saw relative to material on said table.

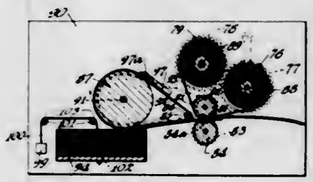


2,548,280
ELECTRIC SWITCH
William J. Allan, Richmond Heights, Mo., assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application June 4, 1949, Serial No. 97,164
5 Claims. (Cl. 200—67)



1. In a device of the class described, a pair of spaced parallel switch blades fixed at one end and having attached at their free ends a pair of normally spaced cooperating contact elements, both of said blades being resilient but one of said blades being substantially more flexible than the other, a pair of toggle links pivotally connected at their inner ends, one of said links having a pivotal connection at its outer end with said more flexible blade, the other of said links being pivoted at its outer end on a fixed pivot, said toggle links being so arranged with respect to said blade that a line through the centers of their outer pivots is substantially perpendicular to said blade, and stop means for limiting the rotation of said toggle links in one direction to a point slightly before dead center.

2,548,281
METHOD AND APPARATUS FOR FEEDING AND PRINTING PAPER
Fred R. Bartholomew, Minneapolis, Minn.
Application September 19, 1946, Serial No. 697,846
9 Claims. (Cl. 101—132.5)



1. A duplicating apparatus having in combination, a frame, a rotary cylinder and platen

cooperating under pressure of one toward the other as a printing couple, a printing medium on said cylinder, two rollers with axes substantially parallel to the axes of said printing couple secured to said frame adjacent to said printing couple, an endless gelatin film belt on said rollers, said gelatin film consisting of the whole extent of said belt, said belt engaging said rollers and traveling about the same continuously in the same direction, means for dampening said gelatin film for moistening and feeding paper to said printing couple and means for rotating the said printing medium and the said gelatin film at the same peripheral speed.

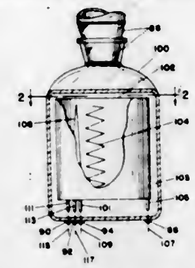
9. The method of feeding a sheet of paper and printing the same by passing the same between a rotating cylinder bearing images in hectograph ink and a platen, which consists in moving an endless adhesive gelatin film in an endless path about spaced rollers, said film being of sufficient length to have a planar surface between said rollers, applying moisture to said gelatin film to increase its adhesive function, bringing a sheet of paper into contact with said planar surface of said film to dampen said paper, moving said paper with said film by the adhesive function of said film, abruptly changing the path of said endless gelatin film adjacent said cylinder to detach the leading edge of said paper from said gelatin film, moving said paper between said cylinder and platen to print said images on said sheet of paper and stripping said sheet of paper from said gelatin film by the engagement of said paper with said cylinder and platen.

2,548,282
POLYMERIZING ACRYLONITRILE IN THE PRESENCE OF ALKALI METAL SOAP OF MAHOGANY ACIDS
Costas H. Basdekis, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 25, 1949, Serial No. 101,489
16 Claims. (Cl. 260—85.5)

1. A method of preparing a polymer of 92 to 100 percent by weight of acrylonitrile and up to eight percent of another copolymerizable olefinic monomer, which comprises mixing the monomers in the desired proportions and adding them gradually to water at the reflux temperature in the presence of from 0.05 to 0.20 percent by weight of alkali metal soap of mahogany acids, and in the presence of from 0.5 to 2.0 percent by weight of an alkali metal persulfate, said percentages being based on the weight of the total monomers.

2,548,283
ION GAUGE
Stanley Bashkin, Madison, Wis., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 7, 1949, Serial No. 75,043
2 Claims. (Cl. 313—293)

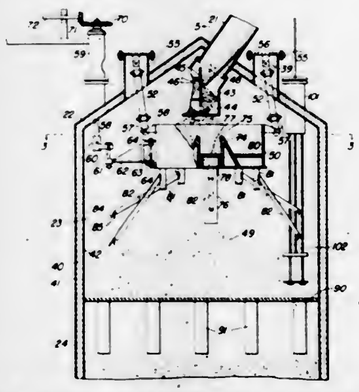
2. A detector tube for an ionization gauge which comprises gas-excluding means adapted to be connected with a vessel which contains gas at very low pressure, said means having a generally cylindrical shape and enveloping a collector electrode which closely conforms to the shape of the cylindrical portion of said means, a grid electrode consisting of a conductive strand crimped in a zigzag configuration to define a generally rectangular shape, a filament electrode consisting of a conductive strand crimped to form an inverted V, said grid electrode and filament electrode being juxtaposed in and enveloped by said cylindrical collector electrode.



2,548,284
PROCESS FOR PRESERVING PRUNES IN CONTAINERS
William I. Battaglia, San Jose, Calif.
No Drawing. Application March 29, 1949, Serial No. 84,267
1 Claim. (Cl. 99—186)

That process of preserving prunes consisting of the steps of subjecting firm ripe prunes to a dehydrating temperature of approximately 150 degrees F. to 165 degrees F. until the moisture content of the prunes is reduced to a point within the range of approximately 30% to 40% of the original moisture content thereof, steam blanching the prunes for a period of five to fifteen minutes, packing the prunes in open containers, sterilizing the prunes in the containers at an approximate temperature of 210 degrees F. to 212 degrees F., and then lidding the containers under vacuum.

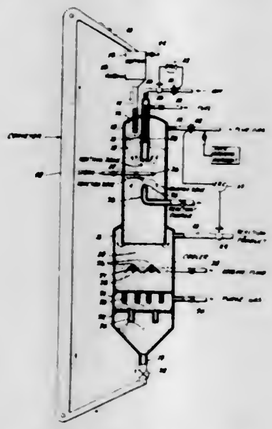
2,548,285
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application August 15, 1947, Serial No. 768,800
13 Claims. (Cl. 196—52)



1. In a cyclic process for the conversion of hydrocarbons wherein a particle-form solid contact material is passed cyclically through a first reaction zone wherein it moves downwardly as a substantially compact column while being contacted with hydrocarbon reactants to effect the

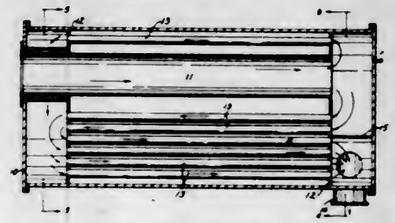
conversion thereof and through a second reaction zone wherein it moves downwardly as a substantially compact column while being contacted with a combustion supporting gas to burn off the contact material the carbonaceous material deposited thereon in the first reaction zone, the method of uniformly distributing the contact material onto the column thereof in one of said zones which comprises: passing a single stream of said contact material in which the particles are segregated at least partially in layers according to size into said reaction zone above the surface of the column therein, splitting said stream across the layers of segregation thereby forming a plurality of separate components each having substantially the same distribution of sizes of particles as said single stream, recombining said components to form a single stream by causing them to turbulently converge together, flowing said single stream downwardly and dividing it vertically into a plurality of confined streams of contact material each having substantially the same distribution of particle sizes and flowing said last named confined streams to a plurality of spaced locations uniformly distributed over the horizontal cross-sectional area of said reaction zone and passing the contact material downwardly from said locations onto the surface of said column.

2,548,286
METHOD AND APPARATUS FOR CONDUCTING HYDROCARBON CONVERSION REACTIONS
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application October 29, 1949, Serial No. 124,463
21 Claims. (Cl. 260—666)



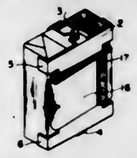
4. A process for rapidly heating reactants to a desired reaction temperature at which said reactants undergo reaction and then rapidly cooling the resulting products below reaction temperature which comprises: maintaining a substantially compact column of downwardly flowing granular contact material in a confined zone, delivering the total solid material supply to said column onto its upper end at a temperature substantially below the desired reaction temperature, withdrawing contact material from the lower section of said column at a temperature below said reaction temperature, establishing a heated core of contact material at a temperature at least as high as the desired reaction temperature within said column below the surface thereof and above the lower end thereof, said core being surrounded by contact material existing substantially below the reaction temperature, introducing the reactant into said heated core to effect its conversion to gasiform products, flowing said products from said core into contact with cooler contact material in said column to effect its quenching to a temperature below the reaction temperature and withdrawing the quenched products from said column.

2,548,287
MULTIPASS BOILER
John H. Blake, Jr., Freehold, N. J.
Application September 27, 1946, Serial No. 699,759
7 Claims. (Cl. 122—75)



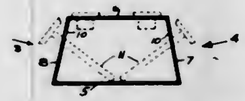
1. A boiler comprising an axially-horizontal, cylindrical shell chargeable with water, chambers at and coextensive with the ends of said shell, a furnace traversing one of said chambers and said shell for discharge into the other of said chambers in axially-parallel, laterally-offset relation with the shell axis, fire tubes traversing said shell in parallel with said furnace and connecting with said chambers, an outlet stack serving one of said chambers, and vertically extending means obstructing at least that one of said chambers served by said stack longitudinally of said shell and chordally thereof in end-closing relation with the associated chamber walls between the thus formed adjacent tube groups for direction of gas flow from said furnace through successive groups of said tubes and to said stack.

2,548,288
MATCH BOOK HOLDER
Arthur W. Blessing, Chicago, Ill.
Application December 3, 1948, Serial No. 63,357
4 Claims. (Cl. 206—48)



2. An attachment for a package of cigarettes comprising a flat plate having a pair of rigid lugs bent at right angles thereto on each side of the plate engaging the sides of the package to prevent sidewise movement thereof relative the plate, a notch or cut away portion between the two lugs on each side of the plate providing a reduced strip under which the flap of a book of matches is inserted, said notches preventing endwise or sidewise movement of the match book when the flap is closed, a rigid lug bent over at each end of the plate and engaging the ends of the package and an elastic band secured to said end lugs and clamping the flap of the match box between the package and the plate.

2,548,289
VALVE RACK
Thomas P. Carraher, Denver, Colo.
Application January 6, 1947, Serial No. 720,338
1 Claim. (Cl. 211—13)



A rack for use in removal and replacement of valves and valve guides in engines, the valves being of the type having circular heads and elongated circular stems, and the valve guides being circular and provided with projecting flanges, comprising; an elongated member of sheet material having a top wall and a bottom wall disposed in parallel relationship and downwardly and outwardly diverging side walls, the member, in section, being trapezoidal in shape, pairs of transversely aligned openings in the side walls spaced apart at least as great as the diameter of a valve head and of a size at least as great as the diameter of a valve stem, said openings being closer to the top corners of the member than to the bottom corners, the side walls being spaced apart a distance such that a valve stem may rest in an opening with its free end resting on the bottom wall, transversely aligned pairs of openings in the top wall adjacent the top corners of such size as will receive a valve guide with the flange of the guide resting on the top wall and spaced from the flange on a transversely aligned valve guide, the last named openings being staggered with respect to the first named openings in such manner that portions of the valve guides adapted to extend downwardly within the member may be disposed within spaces between adjacent valve stems.

2,548,290
CARTRIDGE FUSE
Lewis Detch, Wilkinsburg, Pa.
Application February 15, 1946, Serial No. 647,737
6 Claims. (Cl. 200—131)



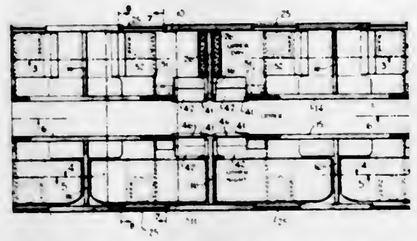
6. In a renewable fuse of the class described, a tubular casing having an annular cap threaded onto each end, a fusible link member and a connecting bar within said casing, a knife blade terminal protruding through said caps and having a tongue end adapted to be connected to corresponding ends of said link member and connecting bar, a pair of spacing discs fitted side by side on each of said terminals and means to connect the inner ends of said terminals to corresponding ends of the link member and connecting bar comprising a channeled member provided with a flange secured to the inner disc opposed to the end of the channel member and flanges straddling the end of said connecting bar and a screw extending through each of said channeled members, the tongue end of the adjacent terminal and one end of the link member and connecting bar.

2,548,291
FISHING SINKER
Joseph Dolejs, Antigo, Wis.
Application August 16, 1947, Serial No. 769,025
6 Claims. (Cl. 43—44.88)



1. In a fishing sinker, the combination with a sinker body, of a rail having a longitudinal portion spaced from the body and terminals embedded in the body, and a hook formation projecting from the body intermediate the ends of the longitudinal portions of the rail, spaced laterally from the longitudinal portion of the rail, the hook formation having a cavity facing away from the longitudinal portion of the rail, whereby the bight of a line may be passed between the longitudinal portion of the rail and body to engage the hook formation within its cavity, the bight of the line, when so engaged, being disposed on a non-rectilinear path respecting adjacent portions of the line as defined by the terminals of the rail and the hook formation.

2,548,292
SLEEPING CAR ARRANGEMENT
Carolus L. Eksergian, Media, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 29, 1948, Serial No. 24,033
9 Claims. (Cl. 105—315)



1. In a sleeping car having a central aisle extending longitudinally thereof, a pair of rooms disposed longitudinally of the car adjacent said aisle with one room of said pair substantially directly over the other, the wall separating the rooms having upper and lower substantially horizontal portions, vertically offset from each other and extending lengthwise inwardly, respectively, from the opposite ends of the rooms, and an intermediate portion having at least vertical extent and interconnecting the adjacent inner ends of said upper and lower horizontal portions, said upper and lower horizontal portions having sufficient lengthwise extent from the opposite ends of the rooms to provide standing space in the respective rooms, a seat for the upper room disposed, in part at least, beyond the inner end of the lower horizontal portion and at proper seat height above it, a seat for the lower room disposed, in part at least, beyond the inner end of the upper horizontal portion and at proper seat height above the room floor, a bed for the upper

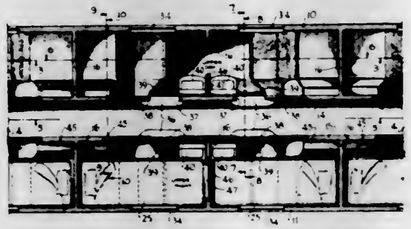
room movable for night travel across the upper room standing space and in overlying relation to said upper horizontal portion so as to extend substantially the full length of the room, and movable for day travel to render the upper room standing space available, and a bed for the lower room movable for night travel across the lower room standing space and in underlying relation to said lower horizontal portion so as to extend substantially the full length of the room, and movable for day travel to render the lower room standing space available.

2,548,293

SLEEPING CAR WITH SUPERPOSED ROOMS

Carolus L. Eksergian, Media, and Michael Watter, Philadelphia, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 29, 1948, Serial No. 24,034
6 Claims. (Cl. 105—315)



1. In a sleeping car having a central aisle extending longitudinally thereof, a pair of rooms disposed longitudinally of the car adjacent said aisle with one room substantially directly over the other, the wall separating said rooms having upper, intermediate and lower substantially horizontal, vertically offset portions, an upper generally vertically extending portion interconnecting said upper and intermediate horizontal portions and a lower generally vertically extending portion interconnecting said intermediate and lower horizontal portions, said upper and lower vertically extending portions being spaced sufficiently from the opposite ends of the respective rooms to provide standing spaces in said rooms, a seat for the upper room overlying said intermediate horizontal portion, a seat for the lower room underlying said intermediate horizontal portion, a bed for said upper room movable for night travel across its standing space and in overlying relation to said upper, intermediate and lower horizontal portions so as to extend substantially the full length of the room, and movable to render said upper room standing space available, and a bed for said lower room movable for night travel across the lower room standing space and in underlying relation to said lower, intermediate and upper horizontal portions so as to extend substantially the full length of the room, and movable for day travel to render said lower room standing space available.

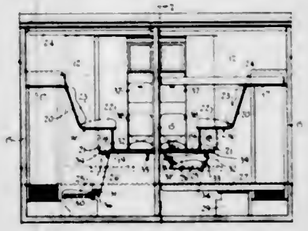
2,548,294

ROOM ARRANGEMENT FOR SLEEPING CARS

John C. Lyon, Upper Darby, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 29, 1948, Serial No. 24,035
8 Claims. (Cl. 105—315)

1. In a railway sleeping car, a room defined by longitudinally extending center aisle and car side walls and spaced transverse walls interconnecting said aisle and car side walls, a floor and a stepped ceiling for the room making one end thereof of standing height and the opposite end of less-than-standing height, a full-length bed in the room extending substantially the length thereof



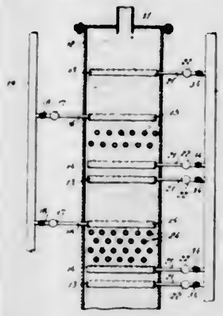
and normally stowed in vertical position flanking the side wall, a longitudinally facing seat in the room extending substantially from the stowed bed to the aisle wall, and transversely spaced supports for said seat one disposed on the room floor adjacent the aisle and one carried by the bottom of the bed.

2,548,295

HYDROCARBON CONVERSION AND CATALYST REGENERATION APPARATUS

Frank C. Fahnestock, Manhasset, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application February 27, 1946, Serial No. 650,642
3 Claims. (Cl. 23—288)



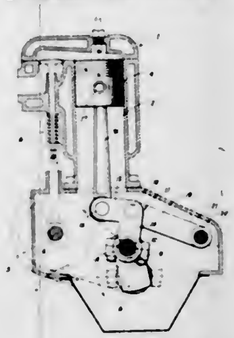
1. An apparatus for conversion of hydrocarbons in the presence of a particle form catalyst which comprises: an elongated reaction vessel having a catalyst inlet at its upper end and a catalyst outlet at its lower end, flow throttling means associated with said outlet, a plurality of superposed sets of gas distributing and collecting inverted trough members spaced across said vessel at spaced vertical intervals; each set comprising two vertically spaced rows of horizontally spaced gas collecting trough members, the troughs in the upper row having serrated lower edges and the trough in the lower row having substantially non-serrated lower edges, and a row of gas distributing trough members having serrated lower edges spaced substantially midway vertically between said two rows of gas collecting trough members; means to supply gaseous hydrocarbon reactants to each of said gas distributing trough members and means to withdraw gaseous reaction products from each of said gas collecting trough members.

2,548,296

CONNECTING ROD ASSEMBLY

Leon H. Femons, Stockton, Calif., assignor of one-half to Laura Femons, Stockton, Calif.

Application April 12, 1948, Serial No. 20,440
1 Claim. (Cl. 74—40)



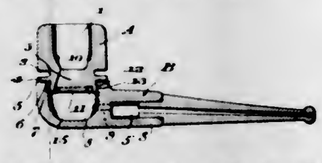
A connecting rod assembly for an internal combustion engine which includes a crank case, a cylinder, a piston in the cylinder, a connecting rod extending from the piston into the crank case, a crank shaft in the crank case, and a crank on the crank shaft and including a crank pin; such assembly including a right angle bell crank; a link arm pivotally connected between the crank case and elbow of the bell crank, one leg of the bell crank being journaled on said crank pin and projecting radially and substantially vertically therefrom when the piston is positioned at the point of commencement of its power stroke, the other leg of the bell crank then projecting at right angles to the first leg and in the direction of rotation of the crank and being connected to the lower end of the connecting rod.

2,548,297

TOBACCO PIPE

Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn., a corporation of Virginia

Application August 25, 1947, Serial No. 770,443
3 Claims. (Cl. 131—195)



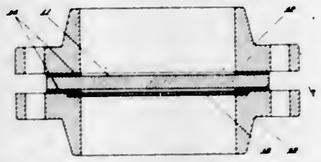
3. A smoking pipe comprising a pair of bowls, means for detachably securing said bowls together one above the other, the upper bowl forming a tobacco burning chamber and the lower bowl forming a smoke cooling and filtering chamber, a partition formed integrally with the upper bowl and positioned below the burning chamber for separating the two chambers, said partition having a smoke bore extending therethrough at a maximum distance from the stem of said pipe to provide communication between said burning chamber and said filtering chamber, and a stem receiving portion formed integrally with the lower bowl, said partition and upper bowl having together a ventilating and cooling annular groove on the exterior thereof, and a flange on said partition having upper and lower surfaces, said upper surface forming the lower wall of said groove, said lower bowl having an upper end surface, said last named surface engaging the lower surface of said flange, one of said engaging surfaces being downwardly inclined toward an edge thereof and the said inclined surface being adapted to engage a circumferential portion only adjacent the outer edge of the other surface, and said first named means comprising a screw threaded connection on the exterior of the partition and the interior of the upper portion of the lower bowl whereby when said upper bowl is fully screw threadedly engaged with said lower bowl the lower surface of said flange forms an air-tight seal and a lock with the upper end surface of said lower bowl without substantial deformation of said flange, said screw threaded connection on the upper interior portion of the lower bowl being located directly above the filtering chamber.

2,548,298

PRESSURE-RELIEF DEVICE

Ogden Fitz Simons, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application July 24, 1946, Serial No. 685,961
1 Claim. (Cl. 220—89)



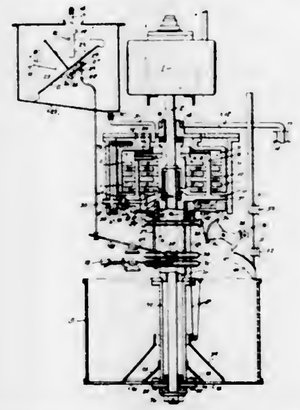
An explosion protector for reaction vessels, comprising flanges and a glass rupture disc sealed in gas-tight relationship between said flanges, said disc comprising plate glass of which at least one flat surface carries a central concave finely roughened portion.

2,548,299

SPEED CONTROL DEVICE FOR CENTRIFUGES

Curt Frankenstein, Lima-San Isidro, Peru

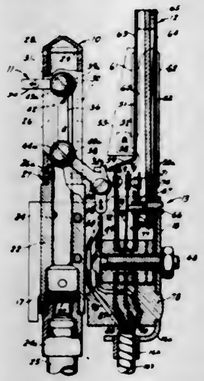
Application September 20, 1946, Serial No. 698,320
6 Claims. (Cl. 210—71)



1. An automatically controlled centrifuge comprising a centrifugal drum, driving means for rotating said centrifugal drum, said means including a motor driven shaft and a casing concentric therewith but not directly connected thereto, said centrifugal drum and said casing

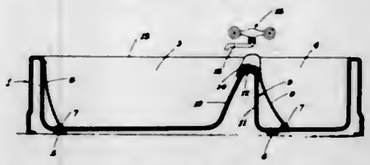
being located vertically with said centrifugal drum beneath and separated from said casing, said casing being provided with a wall member to form an inner and outer chamber therein, a non-rotatable drum located between said wall member and said casing, said shaft having a portion thereof disposed within said inner chamber, interdigitating blade means on said shaft and the inner wall of said wall member to effect rotation thereof in unison in the presence of a fluid medium, blade means on the outer surface of the wall member and the inner surface of the non-rotatable drum, means for supplying the inner chamber of said drum with a fluid effective on said means, and fluid flow control means comprising a fluid outlet pipe between the upper ends of said inner and outer chambers, and a rotatable valve for periodically discharging fluid only when said valve is rotated to connect it with a fluid discharge pipe for removal of said fluid from said centrifuge.

2,548,300
CONTROLLING PILOT BURNER
Claude M. Garner, Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application October 22, 1946, Serial No. 704,881
9 Claims. (Cl. 158—117.1)



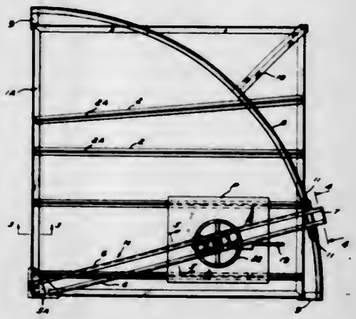
1. In a device of the class described, a support member, a device to be actuated mounted on said support member, an elongated temperature responsive device supported at one end by said support member and extending therefrom to a free end, said temperature responsive device comprising a pair of elongated elements lying alongside each other and being rigidly connected at their inner and outer ends and being freely movable with relation to each other between their connected points to expand and contract differentially, both of said elements being stiffened throughout their length with the exception of a short portion on each of said elements lying between their connected points and closely adjacent their outer ends which portions are substantially weakened against transverse bending said weakened portions being coextensive, whereby when one of said elements is heated to expand more than the other, substantially all deflection will occur in both elements in the short weakened portions near their outer ends and whereby less transverse displacement of the outer end of said device for a given deflection thereof will occur, and an actuating arm having one end attached to the outer end of said elements and extending therewith toward said support member for engaging said device to be actuated.

2,548,301
DOUBLE COMPARTMENT BATHTUB
Sarah Josephine Gibson, Stockton, Calif.
Application June 5, 1948, Serial No. 31,261
1 Claim. (Cl. 4—183)



A double compartment bath tub comprising an elongated main compartment and a relatively smaller independent secondary compartment beyond one end of the main compartment, the two being divided by an upstanding vertical wall, a separate drain outlet from each compartment, means to admit water selectively into either compartment, the top edge of the vertical wall being provided with a shallow cradle-like depression forming a head rest.

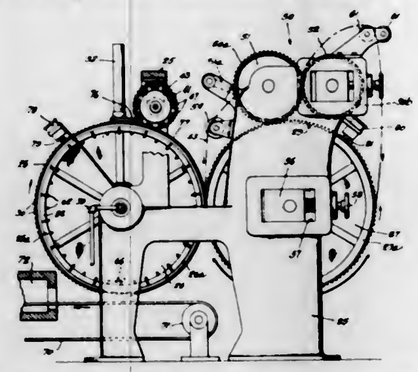
2,548,302
MACHINE FOR CUTTING ARCUATE MEMBERS
Guy F. Gilson, Los Angeles, Calif.
Application September 17, 1946, Serial No. 697,403
5 Claims. (Cl. 33—26)



1. In a cutting apparatus, a table, a column extending upwardly from the table, a horizontal head mounted at one end on the column and capable of swinging about the axis thereof over the top of the table, an arcuate rail arranged concentrically about the axis of the column, the opposite end of the head being capable of riding freely upon the rail, a carriage mounted to move on and lengthwise of the head, a vertical torch-centering member depending from the carriage and provided at its lower end with a centering portion, and a torch mounted on the centering member and rotatable in a horizontal path about the vertical axis extending through the centering portion.

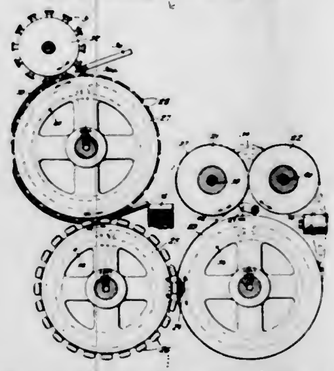
2,548,303
MACHINE AND METHOD FOR MAKING JAR COVERS
Henry Z. Gora, Stratford, Conn., assignor, by direct and mesne assignments, to The Gora-Lee Corporation, Bridgeport, Conn., a corporation of Connecticut
Application January 25, 1945, Serial No. 574,555
27 Claims. (Cl. 18—5)

10. A machine for producing gasket coatings on container lids, comprising a rotary drum; a plurality of nests carried by the drum each for receiving a lid, and carrying same bottomside out in a succession along a circular path; a plurality of molding heads; a rotary drum for mounting the molding heads for movement in a circular path coordinately with the nest-carried lids whereby the molding heads consecutively approach, travel



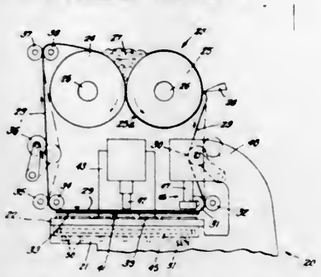
with, and withdraw from respective successive lid nests; and means for feeding a strip of moldable sealing material between the molding heads and the lids carried in the said nests whereby when the heads and nests approach each other portions of the strip are pressed by engagement with the heads and molded against the container lids, to form sealing coatings thereon.

2,548,304
MACHINE AND METHOD FOR MAKING SEALING CLOSURES
Henry Z. Gora, Stratford, Conn., assignor, by direct and mesne assignments, to The Gora-Lee Corporation, Bridgeport, Conn., a corporation of Connecticut
Application April 26, 1945, Serial No. 590,459
18 Claims. (Cl. 18—5)



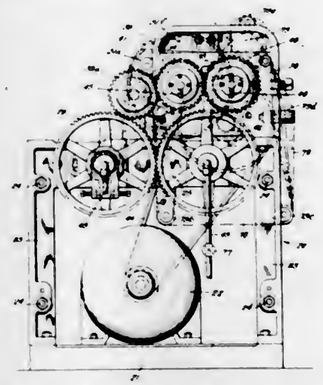
14. The process of making closures which comprises, providing a moldable gasket-forming material, operating a punch to blank out a portion of said material and subjecting said blanked out portion to a molding operation on said punch to modify the cross-sectional configuration thereof to form a closure lining gasket having a gasket ring and a center membrane of less thickness than said ring, and subsequently employing the punch to assemble the molded gasket in a closure member and cause said gasket to adhere to said member.

2,548,305
MACHINE AND METHOD FOR MAKING SEALING CLOSURES
Henry Z. Gora, Stratford, Conn., assignor, by direct and mesne assignments, to The Gora-Lee Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 26, 1945, Serial No. 607,226
27 Claims. (Cl. 18—5)



13. In apparatus for applying gaskets to the undersides of closures for containers, means for plasticizing a quantity of moldable vulcanizable gasket material and producing a continuous strip of said material; traveling supporting means having nests for supporting and positioning closures; means for guiding the strip of gasket material from the plasticizing means to a position over a path intersecting said supporting means; reciprocating die means over said supporting means movable across the path of movement of said strip for successively blanking unfinished gaskets from said strip, said die depositing said blanks in said closures; and means for feeding the blanked-out strip of gasket material back to the plasticizing means to commingle with the material therein.

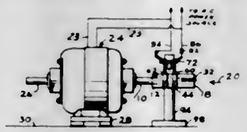
2,548,306
METHOD AND APPARATUS FOR MOLDING ARTICLES
Henry Z. Gora, Stratford, Conn., assignor, by direct and mesne assignments, to The Gora-Lee Corporation, Bridgeport, Conn., a corporation of Connecticut
Application January 19, 1946, Serial No. 642,193
17 Claims. (Cl. 18—5)



17. A machine comprising in combination a rotary carrier, a row of article-supporting and positioning means mounted on said carrier and traveling by the rotation thereof in a circular path, means for guiding a continuous strip of

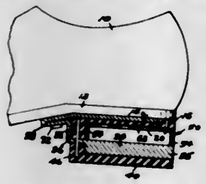
plastic moldable material along a part of the path of travel of said article-positioning means, die mechanism including a plurality of blanking and molding heads, and means supporting said molding heads for movement relative to said article-positioning means to cause said heads to successively penetrate said strip and simultaneously mold successive portions thereof to successive articles in said supporting means.

2,548,307
SLIP COUNTER
William Hansen Hall, College Station, Tex.
Application June 1, 1949, Serial No. 96,554
12 Claims. (Cl. 172—120)



1. An electric motor comprising a housing, a shaft journaled in said housing, induction means connectable to a source of alternating current for driving said electric motor shaft about its axis, and illuminating means including a glow lamp gas filled carried by said shaft and rotatable therewith eccentrically about the axis of said shaft, and actuated cyclically in phase with said source of alternating current from a source of power, for indicating visually the slip of said rotating shaft.

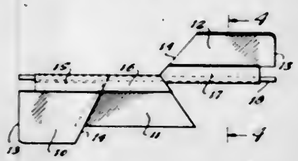
2,548,308
SPRING HEEL CONSTRUCTION
Charles W. Hensley, Council Bluffs, Iowa
Application January 6, 1950, Serial No. 137,248
3 Claims. (Cl. 36—38)



1. A heel comprising a flat substantially U-shape member of spring material having upper and lower arms connected by a folded-over section providing a mounting flange, the rear ends of said arms being substantially semi-circular shaped in plan and the upper of said arms being of less width than the lower arm, a mounting member having an intermediate recess in the upper surface positioned to receive the upper arm of the U-shape member, and a plate of resilient material positioned against the lower surface of the lower arm and secured to said arm, the upper inner surface of the lower arm of said U-shape member being arcuate in cross section with the high point thereof positioned on the longitudinal center of the said heel.

2,548,309
ADJUSTABLE SECTIONAL SUN VISOR
Henry B. Hutten, Arlington Heights, Ill.
Application May 2, 1950, Serial No. 159,416
5 Claims. (Cl. 296—97)

1. An adjustable sectional sun visor for attachment to an automobile or other vehicle, comprising three independently adjustable sections supported in side by side relation on an axis to be swung thereabout into various adjusted angular positions with respect to one another, the two



outer sections each having an inclined inner lateral edge which edges converge upwardly, the angle of convergence of said edges conforming approximately to the apparent angle of convergence of the sides of a straight road in perspective.

2,548,310
CIGARETTE CASE AND DISPENSER
Wendell W. Jennings, San Francisco, Calif.
Application August 27, 1948, Serial No. 46,438
10 Claims. (Cl. 312—77)

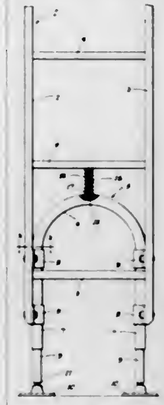


1. A combination cigarette case and dispenser, comprising a housing, a normally raised manually depressible case unit mounted in connection with the housing, said case unit being divided internally into a cigarette holding compartment and a vertical passage, there being a cigarette dispensing opening at the top of the case unit in communication with the vertical passage, cigarettes in the chamber tending to feed one at a time into the vertical passage, mechanism operative to feed a cigarette from the vertical passage into said opening, means responsive to manual depression of the case unit operative to cause actuation of said mechanism; said mechanism including a normally horizontal, longitudinal swing platform normally at the bottom of the vertical passage, and each cigarette fed from the compartment initially resting lengthwise on said platform; the swing platform being pivoted adjacent but short of one end for upward, cigarette dispensing motion, and means operable through vertical movement of the case to engage the short end of the swing platform and swing the platform whereby to tilt the cigarette through the opening.

2,548,311
ADJUSTABLE LEG LADDER
Steve Johnson, Concord, Calif.
Application November 4, 1949, Serial No. 125,609
6 Claims. (Cl. 228—64)

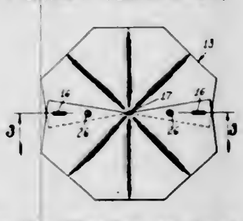
1. An adjustable leg device for a step ladder, comprising a pair of upstanding transversely spaced tubular guides, means mounting the guides on the lower end of the ladder for simultaneous vertical shifting motion of the guides

relative to the ladder, a leg slidable in each tubular guide, means interengaging the legs for simultaneous but opposed sliding in said guides, and



means operative upon downward shifting of the ladder relative to said guides to lock said second means against opposed sliding therein.

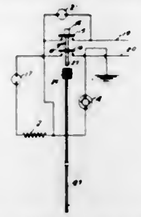
2,548,312
SHEET METAL FURNACE BAFFLE
Daniel Kaufman, New Haven, Conn., assignor, by mesne assignments, to The Oil Equipment Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut
Application July 29, 1946, Serial No. 686,837
1 Claim. (Cl. 110—97)



A baffle or the like for use in a combustion chamber, said baffle comprising two substantially identical sheet metal, substantially semi-octagonal members, each member being bent upwardly along lines extending from the substantially octagonal center to the center of the edges into semi-pyramidal form, and means operatively associated with said members for securing said members together with their apices abutting, and their adjacent edges overlapping in increasing amounts from the apices outwardly.

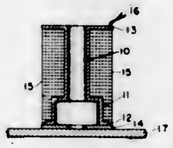
2,548,313
DRIER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 6, 1946, Serial No. 652,362
1 Claim. (Cl. 34—45)

In a tumbler type clothes drier having a horizontal drum, a heater for the drum, a casing surrounding the drum, a blower exhausting air from the casing, and a driving motor, a control for the driving motor and heater comprising a power circuit for the heater including contacts opened by an exhaust air thermostat upon the rise in temperature which accompanies drying, a power circuit for the motor including contacts opened by said exhaust air thermostat upon the rise in temperature which accompanies drying, manually operable means for closing the power circuits for the motor and heater, and a circuit bridging the contacts in the power circuit for the motor controlled by the exhaust air thermostat, said bridging circuit including normally open contacts controlled by a thermostat responsive to the casing



temperatures, said casing temperature thermostat acting to close said contacts in the bridging circuit at casing temperatures prevailing during normal drying but opening the same at lower temperatures at which the clothes are cooled sufficiently to be comfortably handled, whereby the power circuit to the motor is maintained after the opening of the contacts in the power circuits to the motor and heater by the exhaust air thermostat.

2,548,314
MAGNETIC SHAVING COLLECTOR FOR DRILLS
Raymond I. Kinney, Sr., Atlanta, Ga.
Application November 19, 1949, Serial No. 128,354
1 Claim. (Cl. 77—55)



In a magnetic shaving collector for drills, a tubular central member having flared ends, an annular offset portion adjacent one end of said tubular central member forming a chamber for the reception of shavings from a drill, means adjacent said end of said tubular central member partially closing the outer end of said chamber, said means being provided with an opening in axial alignment with said tubular central member for the passage of a drill therethrough, and means surrounding said tubular central member for setting up a magnetic field about said tubular central member to draw shavings from said drill into said chamber.

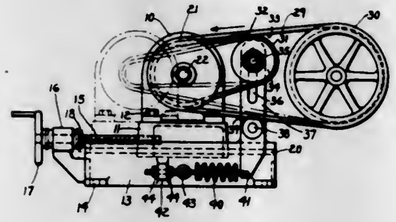
2,548,315
LOCK FOR BRACELETS OR THE LIKE
Julius Kurland, Forest Hills, N. Y.
Application March 9, 1949, Serial No. 80,410
4 Claims. (Cl. 24—232)



1. A lock for bracelets and the like, comprising companion members for attachment to the

opposite ends, respectively, of a bracelet, one of said members having top, bottom and opposite side walls arranged in tubular form, said top wall having at one end longitudinal slots along the adjacent side walls, respectively, to leave a projecting tongue which is inclined toward said bottom wall, a pin anchored with its ends in said side walls, respectively, and extending across said tongue externally thereof and being spaced therefrom to form therebetween a gap of substantially uniform width, the other member being generally L-shaped and having transverse legs of which one leg is a loop of a thickness to be edgewise passable through said gap when the other leg assumes a first position in which it forms an angle with the longitudinal axis of said one member, and the opening of said loop being such that said tongue will project therethrough on rocking said other leg about said pin as a fulcrum from said first position into another position in which it extends substantially parallel to the longitudinal axis of said one member when the lock is closed on a wearer's wrist.

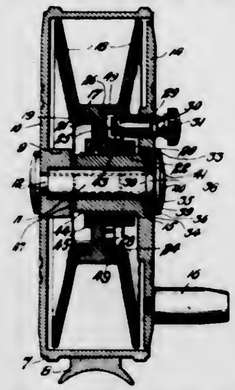
2,548,316
BELT TRACTION MEANS FOR V-PULLEYS
Burton H. Locke, Framingham, Mass.
Application October 26, 1948, Serial No. 56,541
8 Claims. (Cl. 74—230.17)



7. Belt traction means for V-pulleys comprising in combination, a pair of pulleys mounted for rotation, one of the pulleys comprising a pair of opposed cone-faced discs resiliently pressed toward each other, a V-belt operating on the said pulleys with the sides of the belt contacting the face of the discs, a relatively shorter V-belt operating between the said discs and inside of the first said belt by contacting the face of the discs and the inside surface of the first said V-belt and thereby effecting traction therebetween.

2,548,317
FISHING REEL
James MacBlane, Elmira, N. Y.
Application March 29, 1947, Serial No. 738,118
11 Claims. (Cl. 242—84.5)

1. A fishing reel comprising a frame, a shaft supported by the frame, a side plate, a sleeve extending inwardly from the side plate and mounted for rotation on said shaft, a handle extending outwardly from the side plate, a spool mounted for rotation on said sleeve and having an axial channel, and a friction clutch adapted to cause said spool to rotate with said sleeve comprising an expansible split washer mounted in the channel and adapted to engage its outer wall, and a member carried by the side plate and



engaging the ends of the washer to rotate the washer with the side plate.

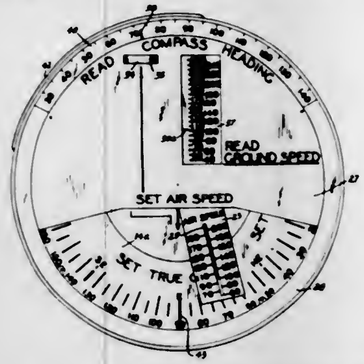
2,548,318
PROCESS FOR PREPARING POLYSTYRENE DISPERSIONS
Forrest H. Norris, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 1, 1948, Serial No. 24,679
4 Claims. (Cl. 260—23)

2. A process for preparing stable suspensions which comprises polymerizing 100 parts of a mixture of styrene and an unsaturated water-insoluble compound polymerizable therewith with substantially constant agitation in an aqueous medium comprising a water solution containing from 0.1–5 parts of a compound taken from the group consisting of ammonium and alkali metal salts of styrene-maleic anhydride copolymer and from 0.1–5 parts of a compound taken from the group consisting of ammonium and alkali metal salts of aliphatic monocarboxylic acids containing from 12–20 carbon atoms.

2,548,319
NAVIGATION INSTRUMENT AND COMPUTER
Kenneth A. Osterberg, Minneapolis, Minn.
Application August 26, 1949, Serial No. 112,613
7 Claims. (Cl. 235—61)

1. An instrument or calculating apparatus for computing or solving mathematical and geometrical problems of three dimensional or more factors having in combination, a frame carrying graduated dials adjacent both faces of the periphery thereof, a post-disc assembly and a related bar and disc assembly, said disc assemblies being co-axially mounted in said frame for rotative setting therein, said first disc assembly comprising a disc and a post-carriage mounted for slidable adjustment radially of said disc and carrying an inwardly projecting post disposed normal of said disc and having a terminal element swivelly connected thereto and provided with a transverse, bar-receiving slide bearing, said second disc assembly comprising a settable disc, a heading member concentrically pivoted upon the inner face of said disc, a bar slidably mounted for longitudinal adjustment in the slide bearing of said terminal element of said post,

motion-translating connections between the member or swivelled element carried by said wind post and said heading member for maintaining a predetermined, angular relationship therewith in all circumferential positions and in all longitudinally adjustable positions of said



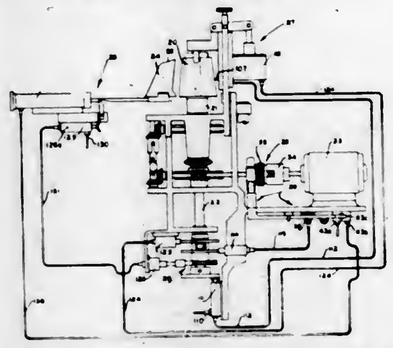
bar, and means connected to the inner face of said second disc for effecting controlled, longitudinal adjustment of said bar and an indicator element connected with said heading member for cooperation with the graduated dial fixed to said frame member to indicate the resultant heading answer.

2,548,320
SHEARS
Oscar H. Pearson, Lake Villa, Ill.
Application May 13, 1950, Serial No. 161,851
2 Claims. (Cl. 164—42)



1. A shear for non-metallic sheet material comprising an elongated relatively fixed body having laterally-spaced parallel shearing edges, a shearing knife pivoted to the forward end of said relatively fixed body for pivotal movements into and out of the space between said spaced shearing edges, said shearing knife being of a width to work snugly between the spaced shearing edges of said body, said fixed body forwardly of the pivotal connection of said knife being provided with an arm which projects upwardly and rearwardly and terminates in overhanging spaced relation to said knife rearwardly of the pivot, a lever pivotally connected at its upper end to the free end of said arm, the lower end of said lever terminating adjacent one side of said knife in vertically-spaced relation to the shearing edges of said body and there provided with forwardly and downwardly-extended material-feeding teeth, said knife being provided with a lug which projects upwardly between said pivot and said lever, and a link pivotally secured at one end to the upper end of said lug and at its other end to the intermediate portion of said lever, downward cutting movements of said knife causing rearward withdrawing movements of said teeth from the material being cut and upward withdrawing movements of said knife causing forward feeding engagement between said teeth and said material.

2,548,321
SHOE HEEL FEEDING MECHANISM
Justin P. Quirk, St. Louis County, and Ludwig G. P. Hafner, St. Louis, Mo., assignors, by mesne assignments, to Quirk Machinery Company, St. Louis, Mo., a corporation of Delaware
Application April 14, 1948, Serial No. 21,084
22 Claims. (Cl. 144—245)

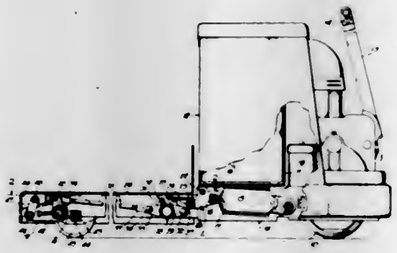


1. In a feeding mechanism for a shoe heel machine having a jack seat mounted for rotation on a rotatable spindle and a motor for driving said spindle through a clutch, the combination comprising a clutch operating mechanism, an air cylinder and a piston for moving said clutch operating mechanism to engage and disengage said clutch, a jack clamp movable relative to said seat to clamp a heel therebetween, an air cylinder and piston for moving said jack clamp, an ejector nozzle adapted to exhaust an air jet against a heel released from said jack clamp and seat, a cam operated heel feeder clamp adapted to grasp a heel, a feeder cylinder and piston adapted to operate said heel feeder clamp to move a heel onto said jack seat, a master cam mounted on said jack spindle for restricted free movement thereabout and to be turned by said spindle, first and second cams and a ratchet wheel segment formed on said master cam, first and second air valves operated by said first and second cams to control a flow of compressed air through suitable connective lines to said jack operating cylinder and to said clutch operating cylinder, a third cam mounted on said spindle, a third air valve operated by said third cam to control air to said ejector nozzle, an air cylinder and piston for moving a ratchet pawl against said ratchet wheel segment on said master cam to turn the latter on said jack spindle, an air valve operated by movement of said feeder piston to control the flow of compressed air to said ratchet operating cylinder, and an air valve operated by said clutch operating mechanism to control the flow of compressed air into said feeder cylinder.

2,548,322
INDUSTRIAL TRUCK
Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application February 27, 1946, Serial No. 650,479
5 Claims. (Cl. 254—9)

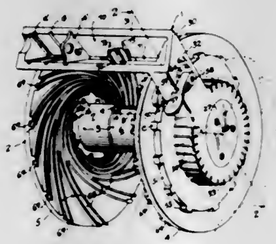
1. In a truck of the class described, a horizontally extending main frame, a horizontally ex-

tending elevating platform, a forward support link pivoted at its rear end to said main frame and at its forward end to said elevating frame and with the rear end pivot thereof above the forward end pivot when the elevating frame is lowered, the forward end pivot swinging upwardly above the rear end pivot to lift the elevating frame relatively to the main frame, a rear support link for the rear end of said elevating frame, means pivoting said rear support link at its forward end on said main frame, an auxiliary link pivoted to the



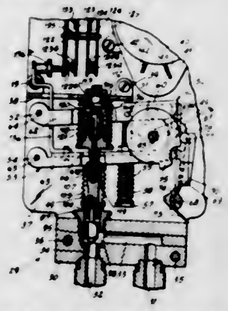
rear end of said rear support link and also to said elevating platform, a tension member secured to said rear support link and to said forward support link for co-ordinating the upward movement of the forward and rear ends of said elevating frame, a lifting link pivoted on said main frame and having a part thereof bearing against said elevating frame, a hydraulic ram mounted on said main frame, and means whereby said hydraulic ram rotates said lifting link on its pivot for imparting thrust to said elevating platform to lift said platform relatively to said main frame.

2,548,323
FILM DEVELOPER REEL AND LOADER THEREFOR
Esau Shimizu, San Jose, Calif.
Application March 18, 1949, Serial No. 82,099
10 Claims. (Cl. 95—100)



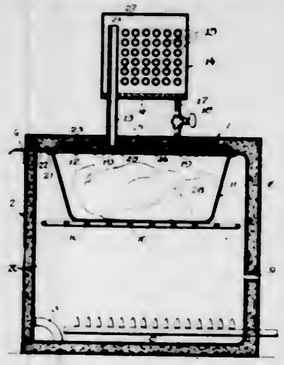
1. A reel loader comprising a film guide, a handle for said film guide, spring loaded means on said handle adapted to receive a film supporting reel, and means on said handle cooperating with a reel on said spring loaded means for effecting intermittent release of the spring loaded means with reel thereon.

2,548,324
DEFROST CONTROL FOR REFRIGERATION SYSTEMS
Carl A. Smith, Ferguson, Mo., assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application January 19, 1950, Serial No. 139,381
10 Claims. (Cl. 161—7)



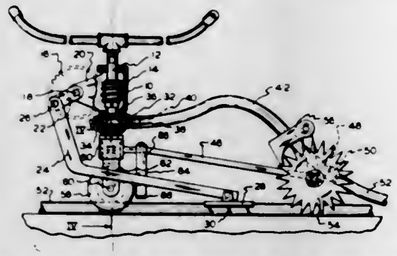
1. In an automatic defrost control device for use in a refrigeration system, a valve, a first spring for biasing said valve in a closed position, a second stronger spring capable when stressed and operative when released from a stressed position to open said valve with a snap action against said first spring, a synchronous timer motor, means driven by said motor for stressing said second spring over a period of time and for effecting its release at a predetermined time, a member movable to a first position in which said second spring is rendered operative when released from its stressed position to open said valve and to hold it open, and movable oppositely to a second position in which said second spring is rendered inoperative to hold said valve open, whereby said valve may again be closed with a snap action by said first spring, spring means for biasing said member in one position, and means driven by said motor for moving said member to its other position.

2,548,325
SELF-BASTING OVEN
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application March 11, 1947, Serial No. 733,822
10 Claims. (Cl. 99—347)



1. A self-basting device for use with conventional types of roasting ovens for stoves or ranges having a source of heat, comprising a pan for the roast supported in the oven above the source of heat with its upper edge closely adjacent the top of the oven whereby to confine the flow of heat to the bottom and sides of the pan, an evaporator located in the oven directly above the roast and within the confines of the upper edge of the pan for intercepting any vapors emanating from the roast, a volatile fluid in the evaporator for maintaining the temperature of the surface of the evaporator exposed to the vapors sufficiently low for condensing these vapors, and a condenser connected to the evaporator for receiving and condensing the volatile fluid from the evaporator and returning it thereto for recirculation.

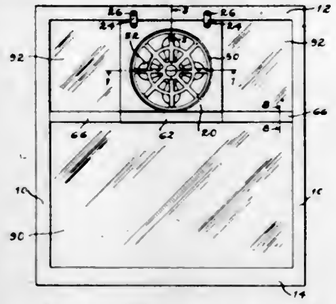
2,548,326
TRAVELING LAWN SPRINKLER
Carter W. Sparks, Henry O. Klee, and Clifford M. Sparks, Jackson, Mich., assignors to Casalbi Company, Jackson, Mich., a corporation of Michigan
Application February 12, 1948, Serial No. 7,846
8 Claims. (Cl. 299—50)



1. In a traveling lawn sprinkler, a gear housing, a rotatable member having a worm gear thereon, a wheeled carriage in which said housing is supported, said carriage including a forward hose guide wheel and spaced rearward wheels, a gear meshing with said worm and supported for rotation from said housing, a pair of independently reciprocated traction means for engaging with the ground rearwardly of said hose guided wheel and forwardly of said spaced rearward spaced wheel, and a crank and pitman connection between each of said means and said gear for exerting a forward thrust on said housing to impart forward movement to said carriage over the ground, said traction means being disposed upon opposite sides of the longitudinal axis of said carriage.

2,548,327
WINDOW VENTILATOR
Walter A. Spear, Cincinnati, Ohio, assignor to Victor Electric Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1945, Serial No. 603,064
5 Claims. (Cl. 98—94)

1. A ventilating unit adapted to be inserted into a conventional wood sash having top and bottom rail members and side stiles, said ventilating unit including a standard panel member provided with an opening, a fan mounted in registry with the opening for circulating air therethrough, means for suspending the panel from the top rail member of the sash, said means including a pair of screw threaded studs and a pair of links, one for each of the studs, said links being aligned upon the studs so as to contact the inside of the top rail member of the sash, means for fixedly securing the links to the top rail member, a pair of adjustably mounted muntin sections selected from a plurality of various lengths of muntin sections for supporting the bottom of the panel, means for adjustably holding the muntin



sections in fixed position with respect to the lower margin of the panel, and means for securing the ends of the muntin sections to the side stiles of the sash so as to permit glazing of the space below the muntins and so as to permit glazing on either side of the panel.

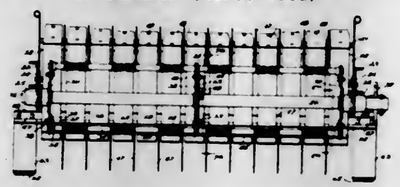
2,548,328
FISHING POLE HOLDER
Leslie M. Thayer, Toledo, Ohio
Application May 19, 1948, Serial No. 27,852
1 Claim. (Cl. 248—42)



In a fishing pole holder, a ring having a less internal diameter lower end and from its upper end lower portion an approximately half cylindrical extension forming an open top channel, there being at the upper portions of the channel remote from the ring a pair of aligned pivot bearings defining an axis parallel to the horizontal diameter of the ring, a mounting stem having an upwardly open fork astride the channel under side and connected to the pivot bearings in providing a fixed fulcrum at the axis for a pole therein to have an axis of rocking therethru in the vicinity of a horizontal diameter of the pole in the region of the fulcrum axis, the pole grip portion being nested downwardly past the fulcrum axis to be held by the less internal diameter lower end of the ring from extending therebeyond in providing a stable seating for the pole in the holder, and means for yieldingly tilting the holder channel in its extent away from the pivot bearings, said means comprising a downwardly pitched tension helical spring directly connected between the ring and stem adjacent the base of the fork for the pole grip end to be

held in the channel and the pole body away from the grip and beyond the fulcrum bearings to act in holding the pole end seated in the ring, from which holding hand grasp on the pole just clear of the fulcrum may serve to swing the pole upward on the ring as an axis to clear the pole of the channel to be then drawn from the ring.

2,548,329
PICKUP REEL FOR HARVESTERS
Kenneth J. Van Sickle, Shortsville, N. Y., assignor to Papec Machine Company, Shortsville, N. Y., a corporation of New York
Application January 5, 1946, Serial No. 639,178
11 Claims. (Cl. 56—364)



5. A pick-up reel for harvesters comprising a driving shaft, a plurality of spaced parallel members mounted concentrically and transversely on said shaft for rotation thereby, said members being formed peripherally with a plurality of outwardly opening, spaced seats, arbors detachably mounted for rotary adjustment in said seats, pick-up fingers on said arbors, means detachably connecting said arbors and certain of said members to hold said arbors for rotary adjustment in said seats, and an arm fixed on each of said arbors and detachably and adjustably secured to another of said members for securing said arbors against rotation in said seats in different rotarily adjusted positions therein.

2,548,330
GOLF BALL HOLDER
Eugene R. Wiseman, Boulder, Colo.
Application April 29, 1949, Serial No. 90,305
5 Claims. (Cl. 224—5)



1. A golf ball carrier comprising, a base member adapted to lie against a substantially vertical portion of a user's clothing, a resilient clip secured to the member having a portion engaging the opposite side of said vertical portion, a cylindrical resilient tube extending horizontally from the base opening outwardly away from the user's clothing of such size to form a pocket for a golf ball, and detent means integral with the wall of the tube for releaseably securing the golf ball therein.

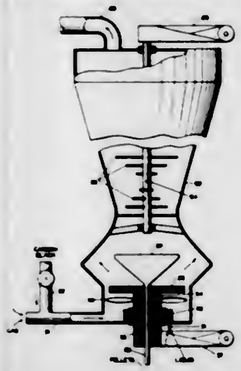
2,548,331
WASHING APPARATUS FOR AUTOMOBILES AND THE LIKE
Kameo Yamashiro, Beverly Hills, Calif.
Application April 9, 1948, Serial No. 19,950
3 Claims. (Cl. 15—231)

1. A device for washing automobile and other surfaces, including: a handle; arms secured to one end of said handle; a resilient pad; a rigid member incorporated in said pad and extending transversely thereof and engaged with the ends of said arms; a cloth holding means secured to the handle and arranged to bear against the back of the pad in line with the rigid member; and a displaceable sleeve surrounding a portion of said



arms and of said cloth holding means, the positioning of said sleeve toward the pad holding end of the arms being effective to press the cloth holding means against the pad while positioning of the displaceable sleeve in the opposite direction leaves the cloth holding means free to be released from contact with the back of said pad.

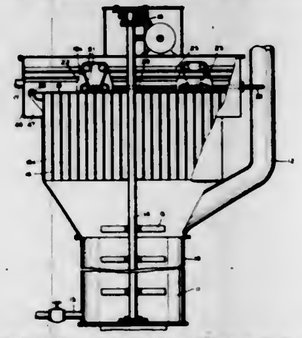
2,548,332
AGGLOMERATING APPARATUS
Cruzan Alexander and Thomas H. Whaley, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 14, 1945, Serial No. 588,372
2 Claims. (Cl. 259—7)



1. Apparatus for pelleting flocculent carbon black comprising in combination a rotatable propeller assembly for creating an upward moving stream of gas and surrounded by a housing member having its top end open and its bottom closed, the axis of said propeller assembly disposed vertically, means for introducing flocculent carbon black and gas into said housing member at a point below the propeller of said propeller assembly, spray arms integral with said propeller assembly and disposed above said propeller and having passageways and orifices therein for spraying of wetting liquid in said housing member, means for introducing wetting liquid into said passageways, a pipe extending along the axis of said propeller assembly and through said housing, the upper end of said pipe terminating as a funnel-shaped opening, means for rotating said propeller assembly; an elongated vertically

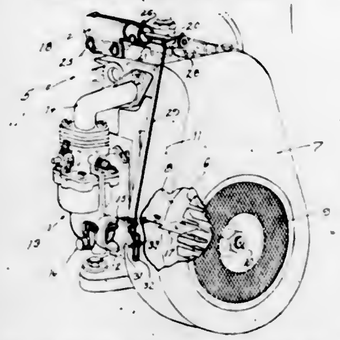
disposed vessel having side walls defining a truncated inverted cone with its top end closed and its bottom end open and said open bottom end joined with the open top end of said housing member, a rotatable shaft disposed along the vertical axis of said truncated cone and coinciding with the axis of said rotatable propeller assembly, said shaft extending from the top of said cone to a point short of said funnel-shaped opening, horizontally disposed rods integral with said shaft and disposed at spaced distances throughout the length of said shaft, means for rotating said shaft, and means in the top of said cone for removing gas.

2,548,333
FINES SEPARATOR FOR SOLVENT EXTRACTION SYSTEMS
Raymond T. Anderson, Lakewood, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application April 27, 1949, Serial No. 89,921
5 Claims. (Cl. 210—57)



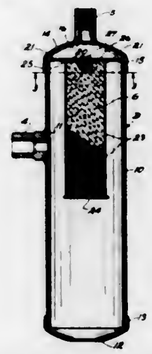
1. Apparatus for separating fine solid particles from a solid carrying fluid, comprising a separating chamber provided with means subdividing it into a relatively large number of upright parallel channels extending from a supply reservoir at one end of the chamber to a discharge space at its other end, said channels all terminating in openings lying in a common transverse plane, means for supplying solid-carrying fluid to the supply reservoir, means for withdrawing clarified fluid from the discharge space, a flexible transversely extending imperforate diaphragm overlying said plane, diaphragm manipulating means movably mounted adjacent said plane and having a supporting part above said plane, said diaphragm having an upwardly arched portion extending over and in slidable contact with said supporting part whereby to open the channels beneath said arched portion, the remainder of said diaphragm on each side of the base of said arched portion lying in said plane whereby to close the channels which terminate thereunder, operating means for moving said manipulating means along and adjacent said plane relatively to said diaphragm and relatively to said channels whereby to cause movement of said supporting part along and under said diaphragm to progressively raise successive portions of said diaphragm and to open and close successively adjacent channels along the direction of movement, so that in each channel there are periods during which fluid flow occurs alternating with periods during which the fluid is quiescent and fine solid particles separate and return to the supply reservoir.

2,548,334
AUTOMATIC CHOKE CONTROL FOR INTERNAL-COMBUSTION ENGINES
Werner E. Armstrong, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 17, 1947, Serial No. 735,150
7 Claims. (Cl. 123—119)



1. In an internal combustion engine having a carburetor with a choke valve biased to closed position, and a fan for inducing an air stream proportional in velocity to the speed of the engine, the combination of: an air vane mounted in said stream of air to be actuated thereby; a connection between the air vane and the choke valve whereby response of the vane to the impact pressure of the air stream as the engine comes up to speed applies opening force to the choke valve; a thermostat mounted to be influenced by the heat of the engine; and a connection between the thermostat and the choke valve through which the thermostat controls the opening of the choke valve by the air vane to make opening thereof consonant with warming up of the engine.

2,548,335
REFRIGERATION ACCUMULATOR AND DEHYDRATOR
Roy O. Balogh, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application April 24, 1947, Serial No. 743,509
9 Claims. (Cl. 183—4.4)



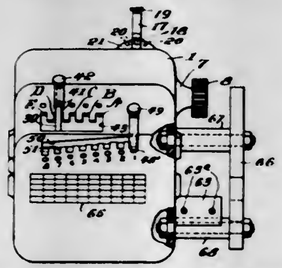
1. A dehydrator unit comprising a casing having an inlet and an outlet above said inlet, screen means for containing moisture absorbent material mounted in said casing, means to suspend

said screen means in said casing, said screen means being spaced from said inlet and outlets to provide an unobstructed flow of gas through the unit, said inlet being above the lower portion of said casing by a substantial distance to provide a fluid trap.

2,548,336
METHOD OF PRODUCING FISHING RODS AND THE LIKE
Fritz Bänninger, Zurich, Switzerland
No Drawing. Application October 26, 1945, Serial No. 624,657. In Switzerland October 31, 1944
1 Claim. (Cl. 144—309)

A method for the production of fishing rods and the like, comprising: heating a shaped wooden rod for about 15 minutes in about 25° to 30° Baumé waterglass; drying said rod; then exposing the dried rod to a temperature of about 90° C. in vacuum to dehydrate and void the same from air; then immersing the rod in a spirit solution of a synthetic phenol-resin for about two to three days; drying the rod and compressing it in a pressure mould crosswise to the grain of the wood from two dimensions for about 5 to 6 hours at about 120° to 130° C.

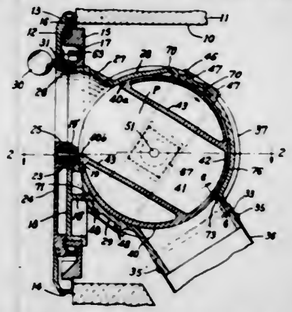
2,548,337
QUICK-CHANGE GEAR CONVERTER
Angelo J. Barraco, Irvington, N. J.
Application November 6, 1944, Serial No. 562,135
1 Claim. (Cl. 74—352)



In a gear converter for a lathe including a lead screw, a casing adapted to be connected to the lathe, a first shaft supported by said casing and adapted to be driven by a source of energy, a first gear keyed to said first shaft, a second shaft arranged in end-to-end relation with respect to said first shaft, a first bank of gears mounted on said second shaft, a manually operable clutch, a third shaft rotatably supported by sad casing, gear means connecting said first gear to said third shaft, a pinion gear keyed to said third shaft and meshing with one of the gears of said first bank of gears, said clutch serving to selectively connect said first shaft to said second shaft or one of the gears of said first bank of gears to said second shaft, a fourth shaft arranged parallel to said second shaft and operatively connected to said lead screw, a second bank of gears of different sizes secured to said fourth shaft, and means for selectively connecting said first bank of gears to said second bank of gears.

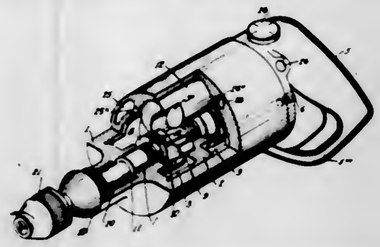
2,548,338
ROTARY DRUM DEPOSITORY
Herbert C. Behrens, Canton, Ohio, assignor to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application May 6, 1949, Serial No. 91,831
8 Claims. (Cl. 232—44)

1. A night depository including a door frame forming a door opening, a door rotatable in the plane of the door frame about an axis perpendicular thereto for closing said door opening, a cylinder journaled behind the door frame for rotation about a horizontal axis perpendicular to the axis of rotation of said door, said cylinder having a receiving opening in one side adapted



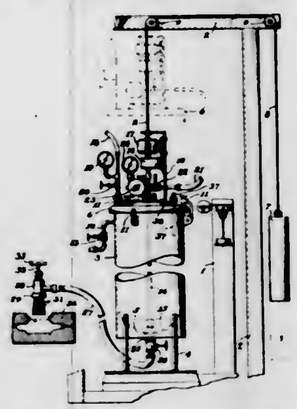
to register with said door opening in open position of the cylinder and to dump the contents of the cylinder within the depository when the cylinder is in closed position, and means operatively connecting said door to said cylinder for moving the cylinder to its open and closed position respectively as the door is manually moved to open and closed position.

2,548,339
FLUID MOTOR OF THE ROTARY ABUTMENT TYPE
Frank Berry, Corinth, Miss., assignor to Berry Motors, Inc., Corinth, Miss., a corporation of Tennessee
Application May 29, 1944, Serial No. 537,909
6 Claims. (Cl. 121—34)



1. A rotary-piston fluid motor, comprising a cylindrical casing having provided therein a longitudinal intake duct and an opposed longitudinal exhaust duct, a plurality of sets of communicating chambers intermediate said ducts, one chamber of a set being an abutment chamber and the second a piston chamber, an abutment rotor having abutments in said abutment chambers, a set of intake and exhaust ports being provided in the wall of at least one of said piston chambers and leading respectively to the intake duct and to the exhaust duct, the abutment rotor being adapted to meet and partially close an intake port at the wall of a piston chamber, and a piston rotor carrying a plurality of pistons, the abutment rotor being formed with a plurality of peripheral arcuate valve-channelways, one preceding each abutment, each valve-channelway periodically being brought into simultaneous registration with an intake passage in the casing leading to the intake duct and the intake port formed in the wall of the appropriate piston chamber, said intake port bridging the valve-channelway and piston chamber.

2,548,340
APPARATUS FOR DE-AIRING AND DELIVERING PLASTER
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio, a corporation of West Virginia
Application July 14, 1948, Serial No. 38,723
2 Claims. (Cl. 259—151)



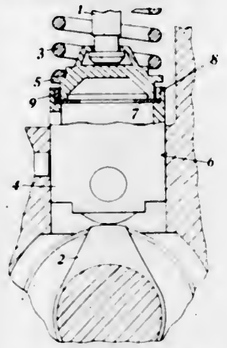
1. In the manufacture of plaster-of-Paris molds, a mixing tank, weighing scales, a water supply line connected with the tank, said tank mounted on the weighing scales to accurately determine the amounts of plaster and water delivered to the tank, a removable cover on the tank, means for mixing and de-airing the contents of the tank, means for forcing the mixture from the tank to the molds in which the plaster-of-Paris molds are formed, all of said means mounted on said removable cover, and counterbalance means connected with said cover.

2,548,341
ABSORBENT PAD
George A. Bricmont, Berea, Ohio, assignor to Diapette, Inc., Bratenahl, Ohio, a corporation of Ohio
Application November 9, 1948, Serial No. 59,038
3 Claims. (Cl. 128—290)



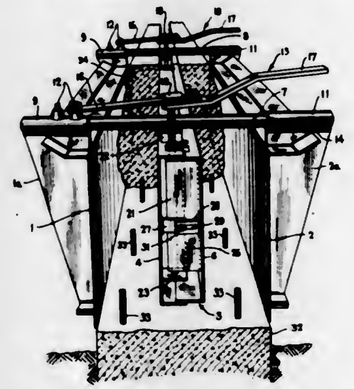
1. An absorbent pad consisting substantially entirely of paper and having a core of paper having good wicking characteristics, said core having at least one end portion thereof folded back upon the main portion thereof, a finely divided highly absorbent paper layer extending between said folded and main portions of said core and covering said core, and a covering enclosing said pad and composed of two layers of paper, each layer having a high wet strength which is higher in one dimension of the paper, said two layers having their higher wet strengths crossing each other approximately at right angles.

2,548,342
FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES
Kenneth Brook, Eastcote, and Fraser Mackie Evans, London, England, assignors to C. A. V. Limited, London, England
Application February 20, 1948, Serial No. 9,655
In Great Britain February 22, 1947
4 Claims. (Cl. 103—41)



1. A reciprocatory pump of the kind specified, having in combination at least one plunger, a spring acting on said plunger, a cam for moving said plunger against the action of said spring, a thrust piece through the medium of which said cam acts on said plunger, and which is composed of a pair of axially adjustable parts, at least one adjusting shim arranged between said axially adjustable parts, and spring means carried by said thrust piece for obviating risk of displacement of said shim.

2,548,343
FORM FOR MOLDING CEMENTITIOUS MATERIAL
Sanford Perry Brown, Beaumont, Tex.
Application February 12, 1947, Serial No. 728,066
3 Claims. (Cl. 25—131)



2. In the form for molding walls of cementitious material, the combination of outer side plates to be supported in substantially parallel relation, means at each end of said plates for

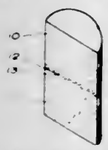
determining the relative position of said side plates comprising transverse tubular members, said transverse members being fixed to the opposite ends of one of said plates and being slidably coupled to the opposite ends of the other of said plates so that the other of said plates is movable relative thereto, a core positioned intermediate said outer plates having side walls rectilinearly movable toward and away from each other, means journalled on one of said core side walls and to said other of said plates for moving the oppositely disposed outer side plate rectilinearly relative to that core side wall and having lost motion coupling means intercoupled with the other core side wall for moving the other core side wall relative to the outer side plate fixed to said transverse member.

2,548,344

PROCESS OF CEMENTING PLASTICALLY DEFORMABLE BODIES AND PRODUCTS THEREOF

Martin J. Buerger, Lincoln, and Edward Washken, Cambridge, Mass., assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio

Application February 23, 1949, Serial No. 78,012
11 Claims. (Cl. 154—122)



1. A dense coherent shaped article consisting of a plurality of initially separate compacted shaped elements composed of inorganic non-metallic crystals which are plastically deformable, said elements having a specific gravity of not less than about 75% of the true specific gravity of the compounds which constitute them, said shaped article being composed of separately shaped elements cemented together with finely-divided non-metallic inorganic crystals which are plastically deformable, said elements being bonded together by intercrystalline growth and being free from any substantial degree of molten or vitreous phase.

2,548,345

TELEMETRIC SYSTEM

Robert S. Butts, Arlington, Va., assignor to Melpar, Inc., Alexandria, Va.

Application September 29, 1948, Serial No. 51,673
4 Claims. (Cl. 177—351)



2. A channel separating and signal detecting and indicating system for successive groups of time divided multiplex signals comprising, a single detector for providing a detected output in response to said time divided multiplex signals, a single cathode follower amplifier for said detected output, said cathode follower having a cathode resistor load, a first relay, a circuit providing a synchronizing pulse occurring antecedent to each group of time divided multiplex signals, first means responsive to said synchronizing signal for generating a control pulse during occurrence of a first multiplex signal, means responsive to said control pulse for energizing said first relay for the duration of said control pulse only, a second relay, second means responsive to said first control pulse for generating a second control pulse during occurrence of a second multiplex signal, means responsive to said second control pulse for energizing said second relay during said second control pulse only, a third relay, third means responsive to said second control pulse for generating a third control pulse only during occurrence of a third multiplex signal, means responsive to said third control pulse for energizing said third relay during said third control pulse only, a first pair of normally open contacts closable in response to energization of said first relay, a second pair of normally open contacts closable in response to energization of said second relay, a third pair of normally open contacts closable in response to energization of said third relay, a first storage condenser, means responsive to closure of said first contacts for connecting said first condenser to said cathode resistor load, a second storage condenser, means responsive to closure of said second contacts for connecting said second storage condenser to said cathode resistor load, a third storage condenser, means responsive to closure of said third contacts for connecting said third storage condenser to said cathode resistor load, a first cathode follower having an input circuit permanently connected across said first storage condenser, said first cathode follower having a first output circuit, a first meter permanently connected in said first output circuit, a second cathode follower having an input circuit permanently connected across said second storage condenser, said second cathode follower having a second output circuit, and a second meter permanently connected in said second output circuit, a third cathode follower having an input circuit permanently connected across said third condenser, said third cathode follower having a third output circuit, and a third meter permanently connected in said third output circuit, a separate cathode follower permanently connected across each of said storage condensers, and a separate meter actuated in response to each of said cathode followers.

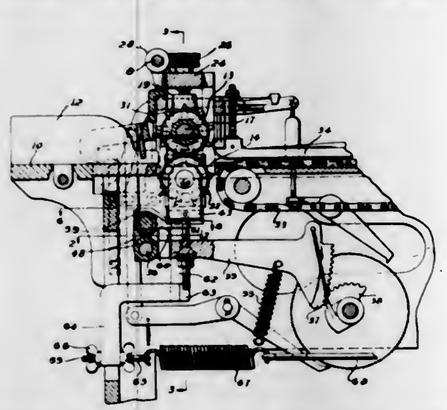
2,548,346

INDEPENDENT DETECTOR ROLL FOR GRADING MACHINES

Herbert W. Carnes, Swampscott, Mass., assignor to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 19, 1946, Serial No. 717,237
4 Claims. (Cl. 33—147)

1. In a machine of the type described having a pivoted transmission lever for transmitting thickness of shoe sole blanks, and an upper roll, adjustably fixed against vertical movement, under which said blanks are passed; independent detector rolls slidably mounted in the frame of said machine, below said fixed roll and supported at each end in bearing members; hinge contact levers yieldingly supporting said detector rolls and pivoted in said machine; tension springs anchored in said machine and engaging said contact levers; a transmission lever linkage indirectly connected to said independent rolls, and connected to said transmission lever in such a



manner as to lift said lever when either of said detector rolls moves upward but to move freely through said lever when one of said rolls is depressed.

2,548,347

FUEL OIL COMPOSITION

John B. R. Caron, North Plainfield, and Everett B. Glendenning, Cranford, N. J., and Calmy Wies, New York, N. Y., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 6, 1948
Serial No. 37,306
20 Claims. (Cl. 44—70)

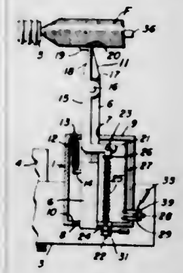
4. A fuel oil containing substantial amount of cracked components and entrained moisture and normally susceptible to cause clogging said fuel oil rendered non-clogging by incorporation therein from about 0.0025 to about 0.005% of sorbitan monolaurate and about 0.0025% of barium salt of alkyl phenol disulfide.

2,548,348

ELECTRIC FEELER MECHANISM FOR FILLING DETECTION IN LOOMS

Robert G. Clark, Eufaula, Ala.

Application February 3, 1948, Serial No. 6,103
3 Claims. (Cl. 139—273)



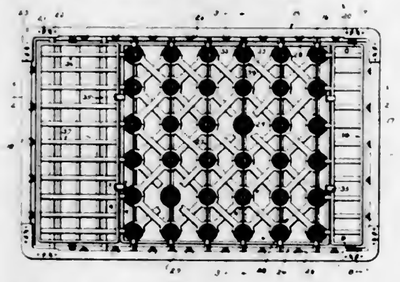
1. In an electric feeler mechanism for detecting filling exhaustion on the bobbin of a loom, a casing mounted on said loom in the path of movement of the bobbin when said bobbin is moved by the driving stroke of the lay, a feeler finger slidably mounted in said casing for advance and retraction and having a tip for engagement by the filling on the bobbin whereby said finger is adapted to be retracted by such movement of said bobbin, spring means yieldingly maintaining said finger advanced, a second feeler finger pivoted on the first feeler finger for advance and retraction thereby and swinging movement thereon from a normal position when the filling on the bobbin is exhausted, an electric contact member in said casing, an electric contact part on said second feeler finger for engagement with said member by swinging of said second finger out of normal position, means in said casing for swinging said second feeler finger out of normal position when said second feeler finger is retracted by the first feeler finger when the filling on the bobbin is exhausted, an electromagnet on said casing with a pivoted armature adapted for connection in a stop motion circuit to close the same, and means for electrically connecting opposite sides of said magnet when said part is engaged with said contact member.

2,548,349

BEDSPRING

Louis Israel Cohn, Philadelphia, Pa.

Application May 24, 1948, Serial No. 28,856
1 Claim. (Cl. 5—246)



In a bed spring structure including a lower rectangular frame, and serried longitudinally and transversely spaced apart coil spring members extending upwardly from said frame; crossed connecting members extending diagonally between the upper ends of said coil spring members and formed of a resilient rubber material, each of said connecting members including an elongated flattened central portion and arcuate tubular heads of circular cross section having their concave sides facing outwardly of said central portion on the opposite ends of said central portion the concave sides of said heads being longitudinally split to engage about a portion of the top coil of said coil spring members, each arcuate head having a radius of curvature equal to that of the top coil of said coil spring members and a length of approximately 90° of arc of the circle of said top coils.

2,548,350

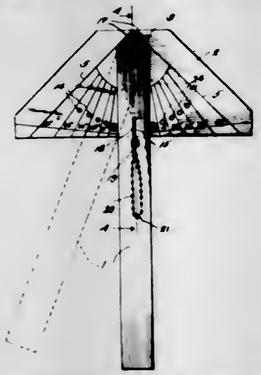
GRADUATED T-SQUARE

Claude L. Combs, St. Albans, W. Va.

Application September 25, 1947, Serial No. 775,984
1 Claim. (Cl. 33—100)

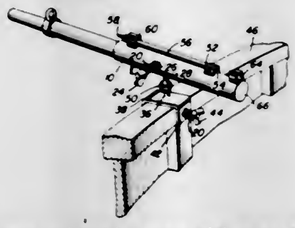
A T-square comprising a cross head having a straight front edge, a blade resting flat upon the upper face of said cross head and projecting from the front edge thereof, the rear end portion of the blade having diagonally extending side edges converging rearwardly and intersecting at the rear end of the blade midway the

width thereof, a bolt passing through the rear portion of the blade midway the width thereof and through the cross head and pivotally mounting the blade for movement from a position at right angles to the front edge of the cross head to angularly adjusted positions in which it extends towards a selected side thereof, the upper face of the cross head having thereon a scale consisting of an arcuate line concentric with said bolt and guide lines extending at predetermined angles in transverse spaced relation to each other between the arcuate line and the front edge of the cross bar and converging rearwardly, said guide lines being accompanied by degree markings, and ones of the guide lines intersecting at the rear edge of the cross head and registering



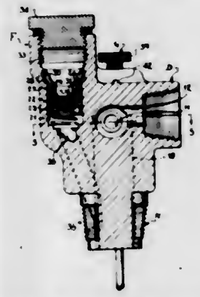
with the diagonal side edges of the rear end of the blade when the blade is disposed at right angles to the front edge of the cross head, the cross head being formed with openings disposed between and companion to the scale lines and arranged in an arcuate path concentric with the bolt, the blade being formed with an opening midway its width and in position for successively registering with the openings in the cross head as the blade is swung about the blade to angularly adjusted positions, and a pin for passing through registering openings of the blade and the cross head and releasably holding the blade in an adjusted position, said pin having its outer end portion formed with an eye constituting a turning head extending transversely of the pin.

2,548,351
FISHING ROD HOLDER
Clarence Taswelle Coombs, Frederick, Okla.
Application April 12, 1948, Serial No. 20,403
2 Claims. (Cl. 248—42)



1. A fishing rod holder comprising an elongated cylindrical member having a socket in one end for receiving one end of a fishing pole, said member having a transverse internally threaded opening in the socketed end thereof, an adjusting screw receivably engaging the threaded opening in said member, a concavo-convexed pressure plate secured to said adjusting screw and received in said socket for retaining one end of a fishing pole positioned in said socket, a lug fixed to and projecting laterally from said member, a spherical element fixed to said lug, a C-clamp having a laterally projecting arm secured thereto, said arm having an enlarged externally threaded end portion, a concaved recess provided in the enlarged end portion of said arm receiving said spherical element, a retaining plate having an aperture receiving a portion of said spherical element, and an internally threaded flange fixed to said retaining plate and threaded on the enlarged end portion of said arm to retain the member disposed at a selected angle relative to said C-clamp.

2,548,352
COMBINED FILLING AND DISPENSING VALVE FOR VOLATILE LIQUIDS
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application January 29, 1949, Serial No. 73,527
8 Claims. (Cl. 62—1)



1. A filling and dispensing valve for volatile liquids comprising a valve body having a bore and means for mounting said valve on a tank with said bore generally vertically disposed, a liquid filling connection formed in said body to one side of and adjacent the upper end of said bore, a straight filling passageway leading downwardly from said filling connection and intersecting said bore adjacent the lower end thereof, the outer wall of said filling passageway being disposed tangentially to the wall of said bore at the intersection therewith, the axis of said passageway forming an acute angle with the axis of said bore, a gas dispensing outlet intersecting said bore above the intersection of said filling passageway and said bore, and a valve for closing said gas dispensing outlet.

2,548,353
CASTING METHOD
Russell E. Cunningham, Washington, D. C., assignor to Melpar, Inc., Alexandria, Va.
Application February 25, 1949, Serial No. 78,347
1 Claim. (Cl. 18—59)

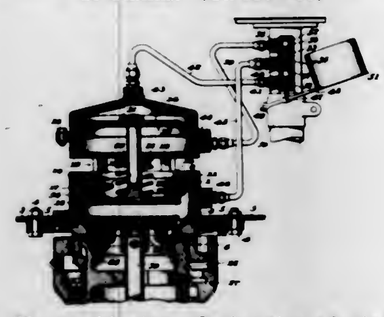
A method of potting an electronic tube having a frangible envelope and a non-frangible support, comprising, dipping only said envelope in liquified wax, removing said envelope from said liquid wax, hardening said wax, enclosing said wax coated frangible element totally and said non-frangible support partially in a hot resinous casting compound, cooling and solidifying said resinous casting compound to provide a casting surrounding

said wax coated frangible envelope totally and said non-frangible support partially, and removing said wax from said casting to establish a space



between said frangible element and said casting and to leave a seal between said support and said casting.

2,548,354
ATTACHMENT FOR FILLING AND DRAINING FUEL TANKS
Robert H. Davies, Aurora Township, Portage County, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1947, Serial No. 785,755
18 Claims. (Cl. 137—68)



1. The combination of a housing adapted to be attached to the wall of a tank, said housing having an opening at the lower end and an upwardly facing valve seat surrounding said opening, said housing having a second downwardly facing valve seat disposed inwardly from the first named valve seat, said housing being provided with ports connected to the tank and disposed above said second valve seat, means for attaching a source of fluid supply under pressure to said housing and in communication with said inlet port, a single valve member disposed in the housing between the valve seats, yielding means for moving the valve into engagement with the lower seat or closing the opening to the housing, said valve being adapted to be raised to a position intermediate the valve seats for permitting the flow of fluid under pressure past the valve seats, and means responsive to the pressure of said fluid for raising the valve into engagement with the upper seat for closing the opening therethrough, said last named means being controlled by the level of liquid in the tank.

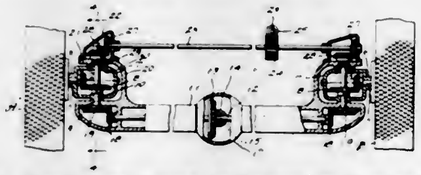
2,548,355
FISHING LINE FLOAT
Joseph Dolejs, Sr., Antigo, Wis.
Application March 11, 1948, Serial No. 14,195
1 Claim. (Cl. 43—44.95)

A fishing float comprising a block-shaped body having a flat upper surface, a line guiding member including a straight bar having a pair of spaced prongs connecting the ends of said bar, said prongs embedded in and projecting upwardly from said body, said bar being spaced above and extending transversely of said surface, a central recess in said body, a resilient line engaging clip secured to said body having a pair of downwardly extending prongs extending into said recess, said clip extending substantially at right angles to the bar in closely spaced relation to said surface



whereby a line clamped between the clip and said surface may be passed under said bar for engagement with the projecting portions of said spaced prongs to prevent disengagement of the line from said clip, and a filler block positioned in said recess in frictional engagement with said downwardly extending prongs in said body.

2,548,356
FRONT WHEEL DRIVE
Julian R. Enos, San Luis Obispo, Calif.
Application October 25, 1946, Serial No. 705,781
1 Claim. (Cl. 180—43)



A front wheel drive and steering mechanism for vehicles comprising a pair of wheels, an elongated housing interposed between the wheels, a drive shaft extending into a medial part of the housing, a shaft extending longitudinally in the housing and provided with a gear connection between the same and the drive shaft, upstanding rigid yokes on the ends of the housing, countershafts rising from the ends of the housing, meshing gears between the ends of the first mentioned shaft and the lower ends of the countershafts, a gear box mounted on the upper portion of each yoke, a gear housing disposed within each yoke and through which the corresponding countershaft is disposed, a stub shaft rotatably mounted within the upper portion of each yoke and provided with a gear at its upper end, the lower end of each stub shaft being recessed to receive the upper free end of the corresponding countershaft, said stub shafts being positively secured to the upper portions of the gear housings, said yokes being of hollow construction, each of the wheels being provided with an axle projecting into the corresponding gear housing and provided with a gear, a gear on each of the countershafts, within the corresponding gear housing and meshing with the gear of the corresponding axle, said gear housings being freely rotatable on the countershafts, a steering shaft, means for rotating the steering shaft, the ends of the steering shaft projecting into the gear boxes and the ends thereof provided with gears meshing with the gears at the upper ends of the stub shafts.

2,548,357
MANUFACTURE OF TEXTILE FIBERS COMPOSED OF CASEIN
Antonio Ferretti, Milan, Italy
No Drawing. Application December 5, 1946, Serial No. 714,130. In Italy March 6, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 6, 1961
11 Claims. (Cl. 18—54)

1. Process for manufacturing casein textile fibers comprising the wet spinning of the casein solution into a coagulating bath free of formaldehyde to form casein filaments; and, after removal from said bath, treating such filaments in at least one bath containing a substantial concentration of urea, but being free of formaldehyde, whereby uncondensed urea penetrates the filaments and is absorbed therein, said urea bath containing at least one non-basic soluble salt rendering the bath substantially saline and thereby functioning to a degree sufficient for the protection of the filaments against dissolving into such bath; and thereafter removing such urea-containing filaments from said urea bath and treating the same in at least one urea-free formaldehyde bath of saline character for insolubilizing the same.

2,548,358
FIRE EXTINGUISHER UNIT
Paul E. Frantz, North Hollywood, Calif., assignor to William W. Jones, Orange, Calif.
Application July 6, 1948, Serial No. 37,146
19 Claims. (Cl. 169—32)



1. A gas generating unit for an inversion operated fire extinguisher having an extinguisher reservoir with a top neck opening therein and a removable closure cap for sealing said neck opening, said unit comprising; an elongated gas chamber insertible in said neck opening, to be retained therein by said closure cap, support means carried by said chamber and having support engagement with said reservoir adjacent said neck opening, said chamber having a discharge opening into said reservoir, a blow-out closure plate sealing said discharge opening and adapted to be blown clear of said opening on the attainment of a predetermined pressure in said chamber, a flow diverting plate of larger diameter than said discharge opening mounted with its marginal edge laterally beyond and in slight inwardly spaced relation from said discharge opening, an acid filled hermetically sealed container mounted in said chamber normally to be free for movement lengthwise therein, said container having an easily frangible portion adapted to be fractured on an inversion of said chamber to release the acid from said container, and a quantity of acid-reacting fluid in said chamber, said acid-reacting fluid being of lesser specific gravity than the acid filled container, to react with said acid to produce gas, the gas thus produced driving the contents of the chamber around the marginal edge of said flow diverting plate and out the discharge opening to produce an eddy flow with cavitational effect for maximum intermixing of the acid and acid-reacting fluid at and beyond the discharge opening.

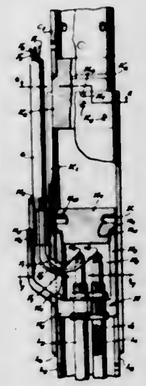
2,548,359
BAG FOR MEDICAL AND HYGIENIC PURPOSES
Manmohandas Varjivandas Gandhi, Bombay, India
Application September 4, 1947, Serial No. 772,157
In India September 10, 1946
2 Claims. (Cl. 128—227)



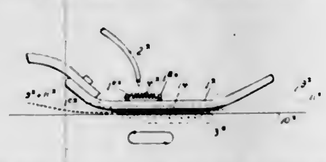
1. A nozzle for a syringe bag and the like comprising an elongated tube having a bore therethrough, bag connecting means on one end of said tube, the other end of said tube forming the insertion end for said syringe, and means connected to said tube and communicating with said bore for indicating the amount of liquid in said bag, said indicating means comprising a hollow pipe extending at right angles to said tube and then bent parallel to said tube in the direction of said bag, and a transparent pipe connected to the free end of said bent pipe and extending parallel to said tube alongside said bag, said transparent pipe being open and of reduced cross sectional area at its free end.

2,548,360
ELECTRIC OIL WELL HEATER
Stanley A. Germain, Glendale, Calif.
Substituted for abandoned application Serial No. 442,175, May 8, 1942. This application March 29, 1948, Serial No. 17,675
3 Claims. (Cl. 219—33)

1. In oil well heaters incorporating elongated metal sheathed electrical resistance heating elements and supported from and below the screen tube of a submerged oil well pump, a structure comprising: an elongated tubular member detachably secured to the lower end of the pump screen and provided with a longitudinally extending slot through the wall thereof and opening into the upper end thereof; a hollow member mounted within said tubular member and having a laterally projecting hollow part extending through the slot in said tubular member, whereby said hollow member may be readily mounted in the tubular member before the latter is connected to the screen, the upper terminals of the elongated electrical resistance heating elements being mounted fluid tight in the lower wall of said hollow member and projecting into the interior of said member; a detachable fluid tight cover for said hollow member; a fluid tight electrical conductor-enclosing conduit secured at its lower end to the laterally projecting part of said hollow member and projecting upwardly therefrom; insulated electrical conductors extending through said conduit and each secured to one of said heating unit terminals within the hollow member; a cable leading electrical current to said conductors; and means effective to seal the upper end of said conduit about the cable.



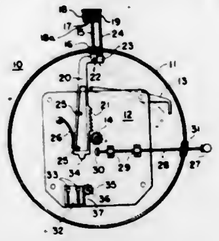
2,548,361
SEWING-MACHINE PRESSER FOOT
Victor M. Ginwright, Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application May 23, 1949, Serial No. 94,821
6 Claims. (Cl. 112—235)



5. In a sewing machine having a needle, a feed dog and a presser foot cooperating with the feed dog in feeding fabric past the needle; the improvement which comprises a presser foot having a slideway in its underface directly in line with the feed dog, a fabric engaging slide of approximately the same width as that of the feed dog operating in said slideway and movable in one direction with the cloth being moved by the feed dog and yieldable means continuously tending to move said slide in the opposite direction, said slide having its cloth engaging face toothed.

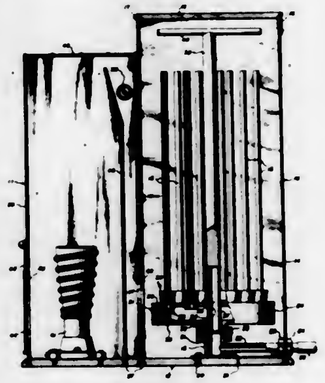
2,548,362
AUTOMATIC RESTORING MECHANISM FOR ALARM-CLOCK SHUTOFFS
Edward L. Gordon, Pittsburgh, Pa.
Application November 22, 1948, Serial No. 61,457
7 Claims. (Cl. 58—21.15)

1. In an alarm clock having a case, a frame, a minute-hand shaft journaled therein, a pinion on said shaft, a hammer pivoted in the frame and a shut-off pin slidable in the case, the combination therewith of a rack slidable on the frame, said rack being pivoted to said pin and thereby tiltable as well as slidable on the frame, said rack having teeth engageable with said pinion, a push button slidable on said pin and means carried by the push button engaging said



rack at a point spaced from its pivotal axis whereby force applied to said push button first tilts the rack to clear the pinion and then moves the rack alongside the pinion.

2,548,363
DRIER
Edward W. Gray, West Brentwood, N. Y.
Application January 10, 1950, Serial No. 137,797
4 Claims. (Cl. 34—48)



4. A drier comprising a receptacle having a bottom wall and a removable cover, a hollow fitting mounted on said bottom wall, conduit means extending from said fitting to the exterior of said receptacle and communicating interiorly with the interior of said hollow fitting for the application of suction to the latter, said receptacle having an opening therein for admitting air thereto to replace air drawn out of said receptacle through said hollow fitting, air heating means disposed adjacent said opening, and a carrier disposed in said receptacle and detachably mounted on said hollow fitting, said carrier comprising a hollow body communicating interiorly with the interior of said hollow fitting and having one end wall disposed adjacent said fitting and a second end wall spaced from said one end wall at the side of the latter remote from said fitting and provided with spaced apart apertures, a handle extending from said hollow body in a direction away from said fitting, and means mounted in said apertures for receiving ends of tubular articles and supporting such articles with their bores in communication with the interior of said hollow body.

2,548,364

PRESSURE SENSITIVE RECORD MATERIALS

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Application July 13, 1948, Serial No. 38,547
28 Claims. (Cl. 282—28)

1. Pressure-sensitive record material including the combination in a coating on a base web of color-forming substances of two kinds, one kind being solid and the other kind being liquid, said liquid kind being held insulated from contact with the solid kind by being profusely dispersed in minute droplets in a solid rupturable film on the exterior of which is deposited a film bearing particles of the solid kind, the application of localized pressure to the record material rupturing the film at points of application and there bringing the color-forming substances together, whereby a distinctively colored mark is produced by mere application of localized pressure, the liquid substance including an electron donor aromatic organic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color, and the solid substance being an inorganic material in fine particle form providing a large adsorbent surface area and said inorganic material being an acid relative to the organic compound and acting as an adsorbent therefor so as to be an electron acceptor when the organic compound is in adsorption contact therewith.

2,548,365

PROCESS FOR MAKING PRESSURE SENSITIVE RECORD MATERIALS

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Application July 13, 1948, Serial No. 38,548
47 Claims. (Cl. 117—36)

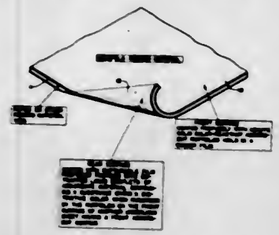
1. The method of making a pressure-sensitive record material containing a liquid substance and a solid substance reactive on contact to produce a mark of distinctive color, including the steps of first coating a web with an emulsion having as the internal discontinuous phase the liquid reactant substance and having as the external continuous phase a substance dryable to a solid film which entraps the internal phase as liquid droplets; drying said film; treating the surface of the film to form a surface skin; applying a film-like overcoating to the exposed surface of the first coating said overcoating including a liquid film-forming binder dryable to a solid condition and said overcoating having profusely dispersed therein particles of the solid color-forming reacting substance, the liquid substance including an electron donor aromatic organic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color, and the solid substance being an inorganic material in fine particle form providing a large adsorbent surface area and said inorganic material being an acid relative to the organic compound and acting as an adsorbent therefor so as to be an electron acceptor when the organic compound is in adsorption contact therewith.

2,548,366

MANIFOLD RECORD MATERIAL AND PROCESS FOR MAKING IT

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 31, 1948, Serial No. 41,756
27 Claims. (Cl. 282—28)



1. A sensitized record material adapted to be used in conjunction with other record material of the same kind, in superimposed relation and faced in the same direction, to form a manifold pack, including a sheet of material suitable for a manifold record material base web, said sheet having a front receiving surface and a rear transfer surface; a coating on the front receiving surface of the sheet comprising a binder containing profuse numbers of minute solid particles of an inorganic adsorbent material; and a pressure-rupturable coating on the rear transfer surface, having entrapped therein a profuse number of minute liquid droplets containing an organic substance which is adsorbable on material like the adsorbent coating causing rupture of the coating receiving surface and reactant therewith on contact to form a distinctive color, recording pressures on the front receiving surface through the adsorbent coating causing rupture of the coating on the rear transfer surface locally at the points of pressure there to release and extrude on the surface of the said ruptured coating droplets of the liquid, there available for adsorption on the receiving surface of an under sheet to produce a distinctively colored mark thereon, the organic reactant substance being an aromatic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron acceptor-donor surface chemical reaction, giving it a distinctive color, and the inorganic adsorbent reactant being an acid relative to the organic reactant so as to be an electron acceptor when in adsorption contact with the organic adsorbate.

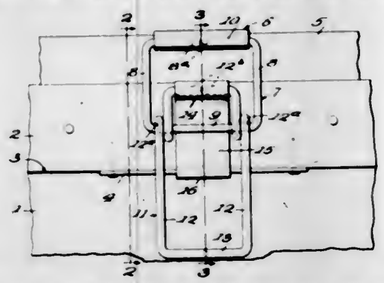
2,548,367

LATCHING DEVICE FOR CRATES

Charles Wesley Harris, Prescott, Ariz.

Application March 14, 1949, Serial No. 81,384
1 Claim. (Cl. 292—113)

A latching device for crates or the like comprising a bracket bent upon itself to provide a hinge loop, said bracket being adapted to be attached to the crate cover so that the hinge loop will project beyond the edge of the cover, a swinging link formed of a wire rod shaped so as to provide a cross bar parallel with the hinge loop, and parallel supporting legs having the inner end portions thereof bent at right angles and extending into the hinge loop, a locking lever formed from a wire rod shaped so as to provide a cross bar and parallel legs, said legs being bent around the cross bar of the link for pivotally attaching the lever to the link, the inner ends on said lever legs being bent inwardly into alignment, and a flat latch bar having a hook at its lower end adapted to engage beneath the shoulder on the crate body, the upper end of said latch bar being bent outwardly so as to extend between the legs of the link when said latching device is in locking position and having at the outer end



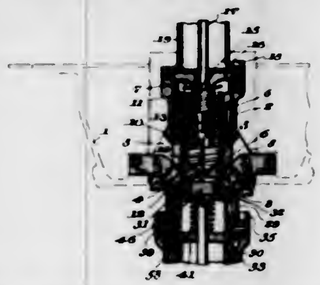
of said bent portion a loop adapted to encircle the inwardly bent end portions of the legs of the locking lever for pivotally connecting the lever to the latch, the pivotal axis of the latch and lever being outside of a plane passing through the pivotal axis of the link to the cover and the pivotal axis of the link to the lever when said lever is in locking position.

2,548,368

ATTACHMENT FOR TANKS THROUGH WHICH THE TANK MAY BE FILLED

Emmett C. Hartley, Cleveland, and Carl P. Dahl, Euclid, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application November 14, 1947, Serial No. 786,004
10 Claims. (Cl. 137—68)



4. The combination of a tank, a housing attached to a wall of the tank and having an inlet surrounded at the inner side by a valve seat, a main valve in the housing for closing the inlet, said housing having openings leading to the interior of the tank, said main valve defining with said housing a pressure chamber, a tube attached to said housing and connected to said pressure chamber, said tube extending to a point adjacent the upper side of the tank, a float controlled pilot valve for closing the tube when the tank is filled to a predetermined level, said main valve having a restricted opening connecting the inlet port and the pressure chamber, an auxiliary valve within the housing for closing said restricted opening, a supply nozzle adapted to be detachably connected to the housing at said inlet, and means whereby the connecting of the nozzle to the tank will positively open said auxiliary valve.

2,548,369

TREATING FATTY ACID NITRILES TO IMPROVE THE ODOR THEREOF

James Harwood, Western Springs, and Paul Du Brow, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 10, 1948, Serial No. 64,694
4 Claims. (Cl. 202—57)

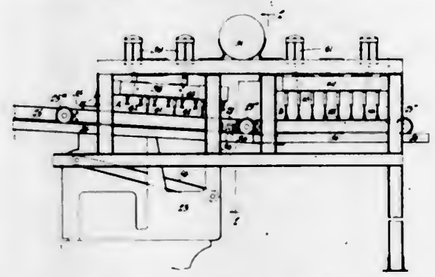
1. A process for treating fatty acid nitriles containing at least 12 carbon atoms to remove objectionable odor therefrom, comprising admixing with said nitriles phosphoric acid, heating the mixture to between 25° and 100° C. for a period of from 2 to 6 hours, and separating from said nitriles a precipitate formed through the action of said mineral acid.

2,548,370

BOX OR CARTON STRIPPER MACHINE

Eric L. Hedstrom, Martin C. Otto, and Cecil E. Gooderham, Buffalo, N. Y.

Application November 18, 1946, Serial No. 710,614
8 Claims. (Cl. 93—58)



1. In a machine for stripping the waste from a die-cut sheet, comprising a frame, conveyor means movable relatively to said frame for presenting the sheet to and supporting it at a predetermined station for stripping the body portions of the sheet from the waste portion thereof and for presenting such body portions to a predetermined station for discharging the body portions therefrom, sheet-gripping and stripping mechanism disposed above the path of travel of the conveyor for movement vertically toward and from the same and having hold-down elements thereon engageable with the waste portions of the sheet and lifting elements for releasable gripping engagement with the body portions of the sheet for causing the stripping of the body portions from the waste portion during a given movement of such stripping mechanism and for returning the stripped body portions to the conveyor means during another movement of said stripping mechanism, and means at the discharge station for removing the stripped body portions of the sheet from said conveyor means and depositing them in stack-like fashion at such station.

2,548,371

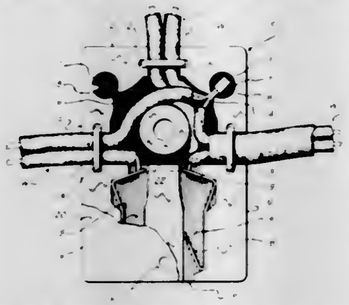
JUNCTION BLOCK

Halbert W. Hoard, Milwaukee, Wis.

Application May 14, 1948, Serial No. 26,956
6 Claims. (Cl. 173—338)

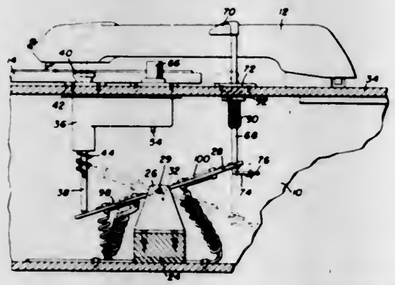
1. A junction block of the character described, comprising: a body of insulative material having a flat bottom and upright side walls defining a cavity open at the top, certain of said side walls having entry ports through which conductor wires may enter the cavity; partition walls in

said cavity defining a pair of side-by-side chambers communicating with the cavity and in line with other entry ports through which the prongs of a plug may enter said chambers; socket terminals removably seated in the side-by-side chambers in position to be engaged by the prongs of a plug inserted through said last named ports; partition walls in said cavity cooperating with certain of the upright side walls to form pockets which open to the top of the body and communicate with the cavity through narrow passages so that connections between conductor wires may be placed in the pockets with the wires passing



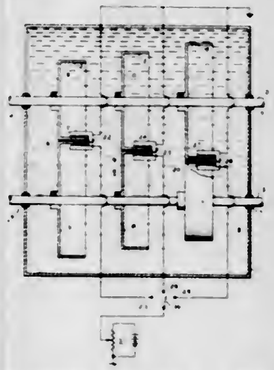
through the narrow passages, said pockets and said passages having a depth equal to the adjacent portion of the cavity; a hollow boss extending upwardly from the bottom of the cavity; and a removable cover resting upon the top of the partition wall in the cavity to thereby close the tops of said chambers and pockets and confine the socket terminals in their respective chambers and the wire connections in the pockets, said cover having a hole therethrough in alignment with the hollow boss whereby a single fastening means may be passed through the cover and the hollow post to hold the cover in place and mount the block upon a support.

2,548,372
RADIO PHONOGRAPH ATTACHMENT
John H. Hopffgarten, Boise, Idaho
Application August 11, 1948, Serial No. 43,697
4 Claims. (Cl. 200—52)



4. A circuit breaker assembly comprising a housing which includes an upper and a lower panel, a bracket secured to said lower panel, a first and a second arm pivoted to said bracket, and switches operatively connected with said arms, a spring reacting on said first arm and said bracket pivotally urging said first arm, a latch device secured to said upper panel holding said first arm pivoted to a position against the force of said spring, said latch device including a plunger engaging said first arm with means releasably holding said plunger in a selected position, a push rod reciprocatively passed through said upper panel, means rotatively connecting said push rod with said second arm to operate said second arm, a foot secured to said push rod and engaged with said first arm when said push rod is rotated so that both of said arms are operated simultaneously when said push rod is operated, a plurality of notches in said plunger, a spring opposing the operation of said plunger, a latching bit slidable transversely of the plunger and releasably engageable with said notches to hold said plunger, a cam operator operatively connected with said bit, a spring pressing said bit in said notches, and said plunger and said cam operator having portions of each passed through said upper panel for manual actuation purposes.

2,548,373
MAGNETIC GEARING SYSTEM
Hyman Hurvitz, Washington, D. C., assignor to Melpar, Inc., Alexandria, Va.
Application November 15, 1948, Serial No. 60,036
4 Claims. (Cl. 74—325)

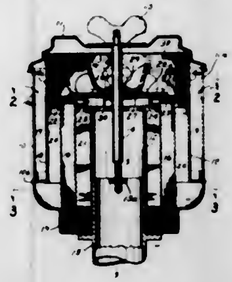


1. A gearing system comprising, a first cylinder having a periphery fabricated of magnetic material, a second cylinder having a periphery fabricated of magnetic material, means commonly securing said cylinders to a first single shaft for rotation therewith, a third cylinder having a periphery fabricated of magnetic material, a fourth cylinder having a periphery fabricated of magnetic material, means securing said third and fourth cylinders to a second single shaft for rotation therewith, said first and third cylinders and said second and fourth cylinders having continuously adjacent peripheral portions during rotation of said shafts, magnetic fluid material interposed between each of said adjacent peripherial portions, and stationary means for selectively establishing magnetic fields between said adjacent peripheral portions and in said magnetic fluid material.

2,548,374
RELIEF VALVE
Theodore J. Janson, Cleveland, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 30, 1946, Serial No. 693,863
2 Claims. (Cl. 183—15)

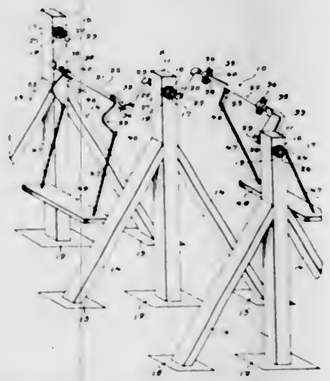
1. In a cleaner of the class described having an annular filter element, having a central tubular fluid outlet positioned axially of said element, having a housing forming an annular chamber about said element and forming a liquid bath-

receiving sump below said element, there being gaseous fluid inlet means in said housing and above said sump, there being partition means for guiding fluid from said element to said outlet including a wall opposite the end of said tubular outlet, and there being a planar outlet opening through said wall substantially axially aligned with said tubular outlet and substantially at right angles to the axis of said outlet, said outlet opening being substantially unobstructed, the combination of a flexible flat circular valve closing



said outlet opening, means holding the central portion of said valve in approximately the plane of said opening leaving the periphery of said valve free, said valve being of material of such flexibility that its peripheral portions are adapted to be bent upwardly by jet action of gaseous fluid in reverse flow through said tubular outlet, and stiff coarse hardware mesh screen filed across said outlet opening substantially in the plane of said opening and on the side of said valve nearer said tubular outlet.

2,548,375
SWING
Phillip A. Joncas, Hollywood, Calif.
Application December 19, 1946, Serial No. 717,303
2 Claims. (Cl. 155—58)

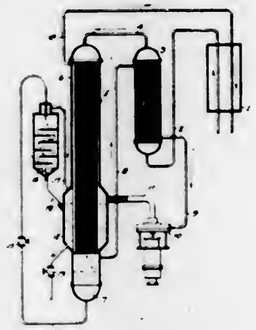


1. A device of the character described, comprising vertically positioned relatively spaced supports, bearings in the upper ends of said supports, a shaft having opposed cranks therein and journalled in said bearings, L-shaped links secured to said cranks and swing supporting ropes secured to said L-shaped links the offset cranks giving an up and down movement to said supporting ropes during the swinging movement of said swing.

2,548,376
COLORATION OF POLYVINYL PLASTICS
Harry Jones, Rochdale, and Clifford Musgrave, Manchester, England, assignors to The Geigy Company Limited, Manchester, England, a British company
No Drawing. Application August 12, 1947, Serial No. 768,262. In Great Britain August 14, 1946
13 Claims. (Cl. 260—41)

8. A polyvinyl plastic coloured throughout with a water-soluble organic dyestuff which is substantially insoluble in organic solvents.

2,548,377
MEANS FOR PRODUCING LIQUID AIR RICH IN OXYGEN
Peter Leonidovitch Kapitza, Moscow, Union of Soviet Socialist Republics
Application February 20, 1946, Serial No. 648,909
In the Union of Soviet Socialist Republics May 15, 1945
3 Claims. (Cl. 62—123)

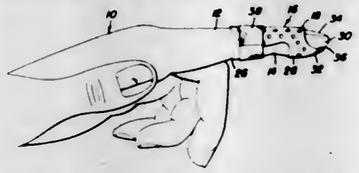


1. Apparatus for producing liquid oxygen or liquid air containing oxygen comprising, a primary heat exchange device, a secondary heat exchange device, conduit means guiding air from the primary heat exchange device to said secondary heat exchange device, a heat exchange condenser, conduit means guiding air from the secondary heat exchange device into said heat exchange condenser, an evaporator, a collector receiving liquid from said heat exchange condenser, a rectifying device, conduit means guiding liquid from the collector to an upper portion of the rectifier, a pipe connecting a lower part of the rectifier with said evaporator, an expansion turbine delivering an expanded gaseous fraction from the collector into heat exchange relationship with the air in said heat exchange condenser, means guiding said expanded fraction from the heat exchange condenser into heat exchange relationship with the air in said primary heat exchange device, and conduit means connected to an inlet of the turbine receiving a gaseous fraction from said collector.

2,548,378
FINGER SPLINT
Ewald H. Kleinfeld, Saginaw, Mich.
Application December 6, 1949, Serial No. 131,298
1 Claim. (Cl. 128—89)

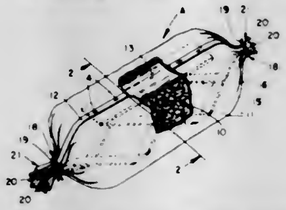
A finger splint comprising a perforated metallic shield including a rearwardly extending longitudinal arcuate portion adapted to overlie the first finger joint and partially embrace the finger, a band integral with the forward end of said

longitudinal portion adapted to embrace the nail-bearing portion of the finger in front of the first joint, said band having a lower curved surface arcuated to conform to the curvature of the lower



surface of the nail-bearing portion and a cut-out portion to uncover the nail and a portion of the tip of the finger, and tape means on the arcuate part for securing said longitudinal portion to the finger behind the first joint.

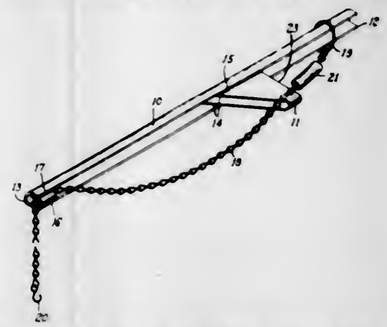
2,548,379
SELF-KINDLING FUEL UNIT
Walter R. Lammersen, North Hollywood, Calif., assignor to Walter R. Lammersen and Joseph E. Lammersen, doing business as Landell Manufacturing Company, Los Angeles, Calif., a co-partnership
Application May 2, 1949, Serial No. 90,801
5 Claims. (Cl. 44—40)



1. A self-kindling fuel unit comprising a charge of charcoal, a dust-proof combustible wrapper enclosing said charge, said wrapper having two end portions located at opposite ends of the unit and each bunched together to close the ends of the wrapper and form a readily combustible ignition fuel supply at each end of the unit exposed exteriorly of the wrapper and in igniting proximity thereto, a tie member of readily combustible material adjacent each end of the unit encircling and securing together the bunched end portion of the wrapper adjacent that end of the unit, said bunched end portions projecting outwardly beyond said tie members, and a wick extending through the entire length of the charge and embedded in the charge of charcoal with its ends projecting beyond said tie members and within the bunched end portions of the wrapper outwardly of the tie members, the portion of said wick between said tie members being impregnated with a highly combustible substance.

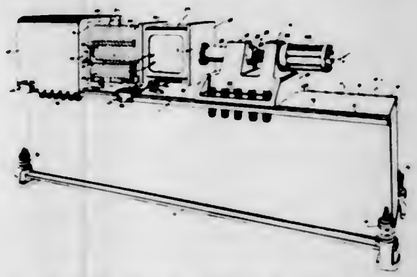
2,548,380
LADDER JACK
Orel J. Latham, Canton, Ohio
Application April 19, 1948, Serial No. 21,991
1 Claim. (Cl. 248—238)

A ladder jack for use upon a ladder having side rails and rungs, said ladder jack comprising a straight bar for support upon a rung of the ladder, a perforate lug upon one side of the bar near one end thereof for contact with one side of a side rail of the ladder, a chain having one end connected to the bar on the other side of said side rail of the ladder, an eye at the other end of the bar, the chain being located around said side rail, through the perforate lug and through said



eye, and a hook upon the other end of the chain for attaching said other end of the chain to a higher rung of the ladder.

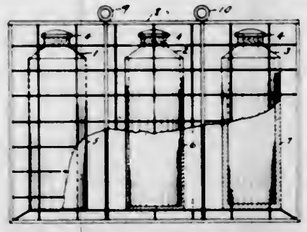
2,548,381
FATIGUE TESTING MACHINE
Benjamin J. Lazan, Greenwich, Conn., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application August 28, 1945, Serial No. 613,047
11 Claims. (Cl. 73—67)



1. A fatigue testing machine comprising, in combination, opposed specimen engaging members, mechanism for producing an alternating centrifugal force, a variable speed motor for driving the same, means for supporting said force producing mechanism so as to transmit an alternating force to one of said members independent of the deflection amplitude of the specimen, a dynamometer member connected to the other of said members so as to be responsive to the force transmitted through the specimen, force sensitive electrical means connected to said dynamometer so as to be responsive to the force transmitted therethrough, and means for controlling the speed of said motor by said force responsive electrical means so as to vary the motor speed to maintain a substantially constant load on a specimen independent of the deflection amplitude thereof.

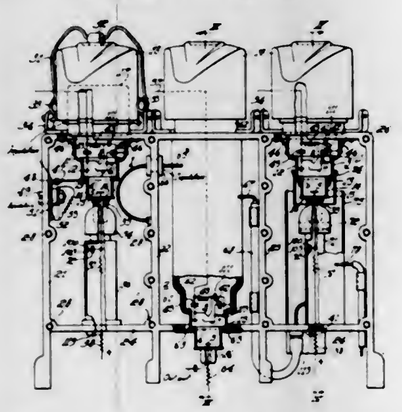
2,548,382
EXPLOSIVE TYPE FIRE ALARM
Frank S. Lovelace and James G. Lovelace, Birmingham, Ala.
Application May 21, 1949, Serial No. 94,648
1 Claim. (Cl. 73—368)

In a fire alarm of the character described comprising; a plurality of containers, each of said containers having an outlet adapted for opening and closing thereof and having a charge of highly head-expansible substance therein, said containers being constructed to have progressively greater bursting strength with respect to expansion of said substance charging each container with the first being the weakest and the last being the strongest, whereby said substance is adapted to cause said containers to explode pro-



gressively starting with the weakest container and ending with the strongest container when said containers are exposed to predetermined degrees of heat, said containers when so exploded being adapted to cause loud sounds progressively with each succeeding sound being louder than the preceding sound; and cage structure housing said containers.

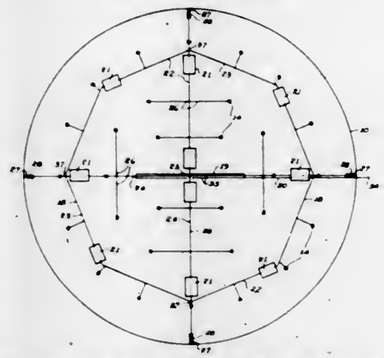
2,548,383
RADIO RECEIVER
Forrest S. Mabry and William R. Wilson, Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 12, 1946, Serial No. 696,577
1 Claim. (Cl. 250—20)



A supporting structure for tubes constituting an oscillator, an amplifier and a mixer or converter in a high frequency circuit comprising a conductive enclosure subdivided by conductive walls into three chambers, an electron tube having a cathode, anode and a control electrode supported within the first of said chambers with its cathode connected to the top wall thereof by removable connectors, said control electrode being connected to an intermediate point on said chamber wall through a suitable impedance, and said anode being connected to a central conductor extending upward from the floor of its containing chamber, a mixer tube having a cathode, anode and control electrode, supported within said second chamber by a central tubular conductor having its upper end connected to the top wall of said second chamber, the control electrode

of said mixer tube being positioned adjacent the floor of said second chamber and connected thereto, an amplifier tube having a cathode, anode and control electrode, supported within the third chamber with its cathode removably connected to the top wall thereof and its anode connected to a tubular conductor projecting upward from the floor of said third chamber, a tubular conductor having its lower end connected to the floor of said third chamber and its upper end removably connected to the control electrode of said amplifier tube, a conductor extending from a point on the anode conductor of said amplifier tube to a point on the cathode conductor of said mixer, and a second conductor extending from a point on the cathode conductor of said mixer into inductive relationship with the interior of said first chamber.

2,548,384
FLOATING FIRE-PREVENTION EQUIPMENT
Charles H. Marshall, Crafton, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application October 8, 1945, Serial No. 620,956
15 Claims. (Cl. 169—4)

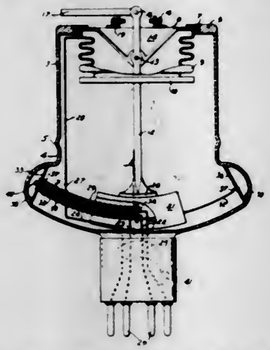


1. In combination with an oil tank and a fixed inlet at the lower part of said tank, for inflow of fluid fire-fighting medium under pressure to said tank; of a floating unit comprising submerged distributing piping system of communicably inter-connected radial and perimetrical conduits provided with spaced heat-insulated emergent branch conduits terminating in heat-insulated emergent spray-outlets, an extensible conduit in foldable sections connecting the fixed inlet with the radial conduits of the distributing piping system at the center of the floating unit, and spaced emergent heat-insulated floats for buoyantly supporting the unit as a floating unitary whole, so as to rise and fall with fluctuations in the height of a body of liquid in said tank, co-acting means on said tank and said floating unit for guiding the floating unit during such rise and fall, and flexible connections between the floats and the rest of the unit, for floatingly supporting the unit from the floats with the insulated spray-means and the insulated floats always emergent, and the distributing piping radial and perimetrical conduits always submerged.

2,548,385
MOVABLE ELECTRODE TUBE
William C. Marshall, Oakland, Calif.
Application March 11, 1946, Serial No. 653,496
8 Claims. (Cl. 250—27.5)

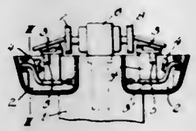
1. An electron discharge device comprising a vacuumized tube one end of which is enlarged

in an annular bulge to provide inside the tube an annular recess, a pair of end plates disposed diametrically in said recess, a pair of spaced rods carried by said plates in a generally diametral position with respect to said annular bulge, a



mid plate mounted on the rods between their ends, a third rod carried by the mid plate and an end plate and triangularly spaced from the other two rods, and a grid electrode coiled about the spaced three rods.

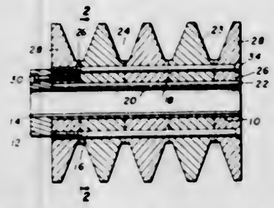
2,548,386
MACHINE FOR SHARPENING TOOLS, ESPECIALLY THOSE OF TUNGSTEN-CARBIDE
Adelin Alfred Mathieu, Ensival, Belgium, assignor to Imperia, a Belgian company
Application January 6, 1948, Serial No. 724
In Belgium October 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1962
7 Claims. (Cl. 51—124)



1. In a machine for sharpening tools, a motor, the motor having a shaft, a support for the motor, a finishing wheel and a roughing wheel each carried by an end of the shaft, two work tables extending at right angles with respect to the shaft and arranged so that the motor is situated between the tables, a base for each table, each table resting on its respective base by means of knife edge members to reciprocate horizontally, a pendular suspension for the support of the motor for vertical reciprocation, means to lock the motor support and to make it impossible for the motor to be displaced vertically while the tables may reciprocate for sharpening operations, and means to lock the tables relatively to their bases while the motor support may reciprocate for chip-breaking operations.

2,548,387
PULLEY
George A. May, Lebanon, Pa.
Application May 26, 1947, Serial No. 750,569
1 Claim. (Cl. 74—230.3)

A pulley comprising an elongated sleeve having an internal longitudinally extending key receiving recess, a flanged portion at one end of said sleeve, a plurality of disks mounted on said sleeve and having their sides beveled to provide annular grooves between adjacent disks, a pair of end disks also mounted on said sleeve and having one of their sides beveled to provide a continuous series of grooves between said disks, a keyway provided in the outer surface of said sleeve, said disks having hubs including keyways aligned with the keyway in said sleeve, a key received in the keyways in said hubs and the keyway in said sleeve, each of said disks having a plurality of circumferentially spaced openings therein spaced parallel to the longitudinal axis of said sleeve,



the openings in said end disks being aligned with the openings in said plurality of disks, the openings in one of said end disks being internally threaded, a group of bolts received in said openings and having threaded ends receivably engaging the threaded openings in said one of said end disks, said flanged portion having a bore therein spaced parallel to the longitudinal axis of the sleeve, one of said end disks bearing against the flanged portion and having a threaded aperture in registry with the bore in said flanged portion, and a bolt received in said bore and threaded in the aperture in said one of said end disks.

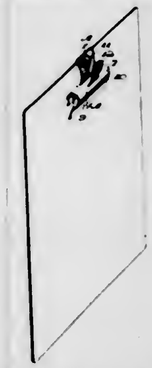
2,548,388
WRINKLE FINISHES
Eugene W. Moffett, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application December 4, 1948, Serial No. 63,619
10 Claims. (Cl. 260—22)

1. In a method of preparing a wrinkle finish, the steps of preparing a mixture of (A) 1 mol of carbic anhydride, (B) a material of a class consisting of (1) a mixture of glycerine and drying oil fatty acids in equal molar ratio and (2) a drying oil alcoholized with glycerine, the drying oil being in a proportion of 5 mols to 10 to 13 mols of glycerine, the amount of said class being present in an amount equivalent to .10 to .40 mole of monoglyceride of drying oil acids per mole of carbic anhydride, and (C) diethylene glycol in such quantity as to provide a 10 to 25% excess of hydroxyls over carboxyls and heating the mixture to a temperature of 350° to 425° F. for a period of 16 to 20 hours.

2,548,389
CLIP BOARD
Floyd E. Neikirk, Clyde, Ohio
Application July 1, 1947, Serial No. 758,273
2 Claims. (Cl. 24—66)

1. In a clip board, a base member, a substantially rectangular opening cut into said base member adjacent its upper edge, a depressed recess disposed at right angles to said opening and extending upwardly therefrom, tongues cut out at the lateral extremities of said opening, a cylindrical spring clip positioned in said opening and held therein by said tongues superimposed over the lateral extremities of the cylindrical

spring of said cylindrical spring clip, one jaw of said spring clip being disposed against the rear face of said base member, the other being angu-



larly disposed against its forward face, the rearward finger piece of said clip fitting into said recess.

2,548,390
BEAM HEAD
Charles A. Pendleton, Cramerton, N. C.
Application April 9, 1948, Serial No. 20,060
2 Claims. (Cl. 242—124)



1. A geared head for a yarn beam comprising a disk having a hub for axial attachment to an end of the core of the beam, spokes radiating from said hub, and a concentric annulus on the outer ends of said spokes, said annulus being step cut on its outboard side to provide concentric annular shoulders, a ring gear having an externally toothed annular rim surrounding and engaging the outer one of said shoulders and radially inwardly projecting lugs engaging the inner one of said shoulders, said inner shoulder being formed on said spokes, and bolts traversing said projecting portions and threaded into said spokes.

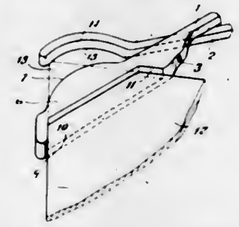
2,548,391
CONVERTIBLE SKATE
Joseph K. Petrime, Mayfield Heights, Ohio
Application August 7, 1948, Serial No. 43,115
2 Claims. (Cl. 280—7.13)

1. A combination ice and roller skate, comprising a one piece body member which includes a wide elongated base provided along its side edges with depending runners, two pairs of longitudinally spaced supporting ribs integral with said base and extending upwardly along its center line, horizontally extending heel and toe supporting plates, each integral with one pair of said ribs, two bearing bosses integral with and reinforcing the base, each extending transversely thereof within and through the space between the ribs of each of said pairs, an axle mounted in each bearing boss, wheels carried by said axles



and extending below the runners, and means mounted upon said plates for securing the skate to the foot of the wearer.

2,548,392
CIRCULAR SCISSORS
Petar Radman, Los Angeles, Calif.
Application August 8, 1946, Serial No. 689,247
4 Claims. (Cl. 30—131)



1. A circular scissors comprising parallel pivoted handles, finger and thumb engaging and gripping portions at the adjacent inner ends thereof, an arcuate slotted blade on the outer end of one handle, a material supporting flange integral therewith, material positioning shoulders at the opposite ends of said flange and integral with the last mentioned handle cooperable with the blade to cut the material passed through the slot in said blade when said handles are operated, and an integral arcuate cutting blade on the outer end of the other handle.

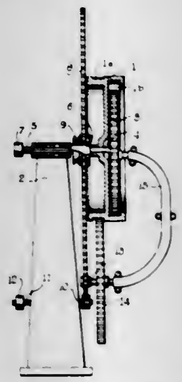
2,548,393
TOOL FOR HANGING WALLPAPER
Lyman C. Riebe, Lafayette, Ind.
Application October 28, 1949, Serial No. 124,100
3 Claims. (Cl. 216—7)



1. A paper hanging apparatus comprising a longitudinally extending connecting member, a first bar arranged transversely of said connecting member adjacent one end thereof and connected intermediate its ends to said one end of said connecting member for movement from its transverse position to a position longitudinally of said connecting member, a longitudinally extending handle having one end arranged in spaced end to end relation with respect to the other end of said connecting member, a longitudinally extending socket arranged adjacent said one end of said handle and having one end secured to said one end of said handle, a block positioned within said socket adjacent the other end and mounted in said socket for rocking movement about an axis transverse of said socket, a pair of diverging wings extending lon-

gitudinally of and fixedly positioned within said socket and spaced inwardly of said block and forming with said block a means for slidably receiving and supporting the other end of said connecting member, a second bar arranged transversely of said handle adjacent the other end thereof and slidably supported intermediate its ends on said other end of said handle, a clamping strip positioned in parallel longitudinal relation with respect to said first bar and operatively connected to said connecting member for movement into and out of abutting relation with respect to said bar, and hand actuable means supported on said connecting member and connected to said strip for effecting the movement of the latter out of abutting relation with respect to said bar.

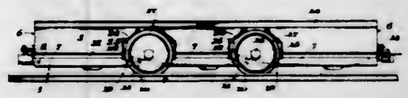
2,548,394
TRANSMISSION
August C. Ripke, Austin, Minn.
Original application November 26, 1945, Serial No. 630,800. Divided and this application September 24, 1949, Serial No. 117,657. In Canada September 23, 1942
7 Claims. (Cl. 74—797)



1. A transmission comprising a stationary compound gear having external and internal gear troughs, an hypocyclical gear pinion in the interior trough and an epicyclical gear in the exterior trough of said compound gear; a driving shaft passing coaxially through said compound gear and having a crank on the end thereof on which said hypocyclical gear pinion is rotatably mounted; a coupling connecting said hypocyclical gear pinion and said epicyclical gear; an annular rotatable member coaxial with said drive shaft having a pulley-like hub; and a stub shaft extending from said member on which said epicyclical gear is mounted.

2,548,395
WIDE FRAME MINE CAR
Hugh W. Sanford, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Application May 12, 1947, Serial No. 747,434
19 Claims. (Cl. 105—364)

1. In a large capacity drop-bottom rail car, a lading body including two wing bottoms, two oppositely disposed side sills angle shaped and extending longitudinally substantially from end to end of the lading body of the car and having substantially upright portions arranged in parallel laterally spaced relation throughout their length from end to end of the lading body and defining between them the central drop-bottom opening of the car, said wing bottoms extending laterally outwardly from said upright sill portions, said angle shaped sills also having wide stiffening flanges extending substantially horizontally and outwardly from the bottom of the said upright portions and the said substantially upright portions between oppositely disposed car wheels passing the adjacent car wheels closely whereby to provide a larger than conventional



central lading body capacity and also whereby to provide a larger than conventional lading capacity between said wing bottoms, and the said substantially horizontally and outwardly extending flanges extending farther from the longitudinal center line of the lading body than the transverse distance from this line to the innermost portion of the flange of an adjacent car wheel and being recessed sufficiently to provide a working clearance between the flanges of adjacent car wheels and the said adjacent horizontal flanges where the said sills pass alongside of the said flanges.

2,548,396
WINDOW HOLDING SPRING
Adell Santrey, New York, N. Y.
Application August 9, 1949, Serial No. 109,270
1 Claim. (Cl. 292—76)

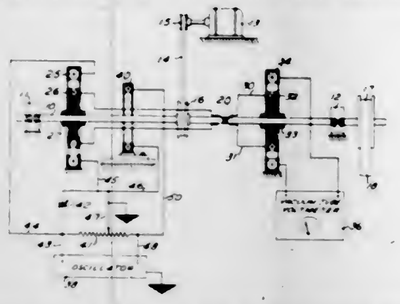


A window holding device comprising a strip of flexible resilient metal having ends serrated to form teeth, said strip being bowed longitudinally for approximately its full length but having flat end portions each bent inwardly from the normal curvature of the strip along bend-lines extending transversely across the strip for its full width in close proximity to but slightly spaced inwardly from the base portions of the teeth and thereby providing flat tooth-bearing end portions which remain flat under flexure of the device to maintain the bent relation of the end portions with the bowed portion.

2,548,397
APPARATUS FOR MEASURING AND TRANSMITTING A CONDITION FROM A ROTATABLE MEMBER
Herman Schaevitz, Collingswood, N. J., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application May 26, 1945, Serial No. 595,910
12 Claims. (Cl. 73—136)

1. An electrical system for measuring a condition on a rotatable member comprising an input circuit including a stationary input winding encircling the axis of rotation of said member and energized by alternating current, a secondary

input winding mounted for rotation with said member about said axis and inductively associated with said stationary input winding, a pair of inductively associated output windings axially spaced from said input windings and one of which is stationary and the other rotatable with said member about its axis of rotation, condition responsive electrical impedance means rotatable with said member and connecting said secondary



winding to the rotatable one of said output windings, a compensating winding disposed in the vicinity of said input winding and said output windings, and means for energizing said compensating winding with alternating current of an amplitude and phase relation which with respect to that applied to said input winding substantially neutralizes in the region of said output windings the effect of a magnetic field which would otherwise exist due to the energization of said input winding.

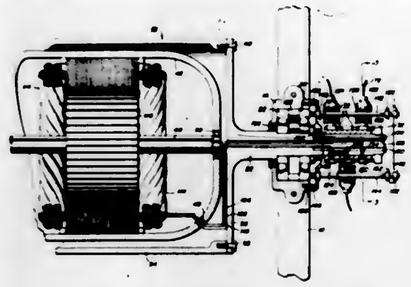
2,548,398
LINE-CARRYING ROCKET
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England
Application October 30, 1947, Serial No. 783,022
In Great Britain October 30, 1946
5 Claims. (Cl. 102—89)

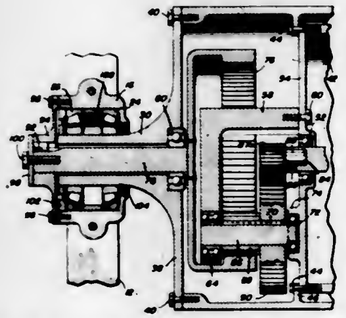


5. A rocket comprising a front casing and a rear casing, means on the front casing supporting the rear casing for limited axial sliding movement relative to the front casing, a bridle secured to the rear casing for the attachment of a line, a propellant composition in each of said casings and means for ensuring ignition of the two propellant compositions at substantially the same time.

2,548,399
PULLEY DEVICE
Daniel Alfred Schrock, Boise, Idaho, assignor to Idaho Sprocket and Machine Works, Boise, Idaho, a copartnership
Application September 13, 1948, Serial No. 48,998
2 Claims. (Cl. 172—36)

1. A self-contained power operated pulley comprising an outer housing which forms a drum, a case fixed in said drum, an armature shaft having an armature rotatively mounted in said case, a field coil disposed in said case and cooperating with said armature, a first shaft projecting from said drum to mount said drum for rotation, a second shaft aligned with said first shaft and projecting from said drum, a collector ring assembly secured to said second shaft as an extension thereof, a plurality of stay bolts, a bearing disposed on said second shaft having said stay bolts projecting therefrom, means connecting for electrical communication said field coil and said collector ring assembly, brushes pivotally mounted on said stay bolts and contacting said collector rings, an external bearing mounted on said first shaft, said first shaft having a passage therethrough and a fixed shaft disposed in said passage, means securing one end of said



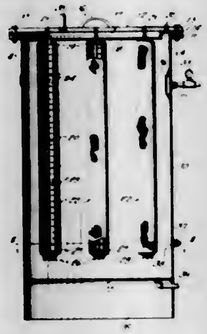


fixed shaft to said external bearing to anchor said fixed shaft, a ring gear secured to the other end of said fixed shaft whereby said ring gear is movable with respect to said drum, a planet gear assembly with a structural member fastening said planet gear assembly to said case, a gear secured to said armature shaft, and said planet gear assembly being operatively connected with said gear and said fixed ring gear so as to operate said drum at a speed different from the speed of rotation of said armature shaft.

2,548,400
FLUID FILTERING APPARATUS
Frank B. Shepard, Texon, Tex.
Application September 28, 1949, Serial No. 118,230
1 Claim. (Cl. 210—184)

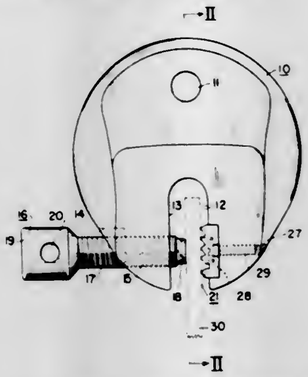
An oil filtering apparatus comprising, in combination, a closed vessel having an annular flange about its top having spaced apertures therein, a removable cover on said vessel having apertures aligned with those of said flange, bolts entering said apertures for securing said cover on said vessel, a fluid receiving chamber formed on the underside of said cover, a group of relatively spaced rods attached to and depending from said cover into said vessel through openings in said chamber, a nipple in each of said chamber openings defining an annular passage to embrace a rod of said group, a filtering element for each of said rods having a perforated tubular core whose

upper end is engaged by and held in centered relation to a chamber opening by said nipple, said core communicating with said chamber by means of said annular passage, a flange sleeve on said rod and entering the bottom end of said perforated core for holding said filtering element against displacement on its respective rod, a restricted air venting orifice in said cover to re-



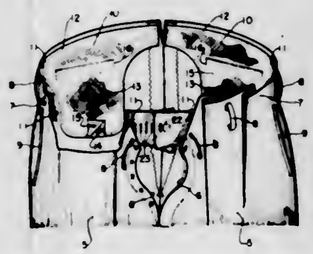
lease air replaced by oil in said vessel, an oil inlet in the wall of said vessel below the top thereof, a baffle disposed over said inlet for directing oil entering said vessel away from said filtering elements, means in said cover for releasing filtered oil entering said chamber through said filtering elements, and means for draining fluid from said vessel at a point spaced above the bottom thereof.

2,548,401
CLAMPING DEVICE
Joseph W. Sherwood, Sapulpa, Okla.
Application November 12, 1948, Serial No. 59,725
3 Claims. (Cl. 294—103)



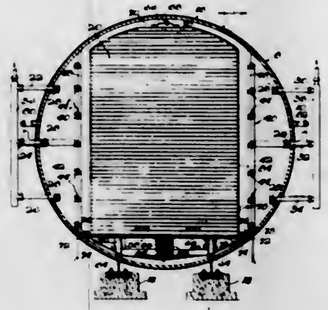
1. A grip hoisting clamp adapted to be mounted on a hoist line for positively suspending a heavy structural member regardless of whether or not its weight is effective under such suspension which comprises, a relatively heavy integral body having a pair of front and back faces representing major dimensions of said body and circumscribed by an edge wall representing the thickness of said body, said body being of heavy substantially rectangular thickness-cross-section upwardly from its lower end portion and of a converging taper-cross-section upwardly from said rectangular section to its upper end portion, a hoist line mount extending through said tapered section between the front and back faces and adjacent the upper end portion of said body to suspend said body vertically from the hoist line, a pair of jaws in said rectangular section and open upwardly from the lower end portion thereof, said jaws having a pair of opposed substantially planar clamp faces defining an open vertical slot in said body, a threaded bore extending transversely from the edge wall through one of said jaws substantially parallel to the front and back faces of said body into one of said clamp faces, a relatively heavy capstan-headed adjusting screw having a threaded stem adjustably mounted in said threaded bore to extend therealong from the edge wall, said stem terminating in a tapered clamping end portion adapted to extend inwardly from said one clamp face to abut a structural member to be gripped, a grip element, said other clamping face having a depressed portion therein in a substantially aligned relationship with respect to said threaded bore, said grip element being inset within said depressed portion and having a series of teeth in its outer face provided with a backward pitch and projecting outwardly into the open vertical slot from said other clamp face to abut against an opposite side of the structural member to be gripped, a headed set screw inset within said grip element and extending along said other jaw between the front and back faces of said body to secure said grip element in position on said other jaw, said grip element having a lower tooth positioned in a downwardly offset relationship with respect to the tapered end portion of the stem of said capstan-headed screw, said lower tooth having an enlarged root spacing with respect to the next tooth of said grip element, said capstan-headed screw being adapted to securely clamp a structural member against said grip element while the member extends downwardly from the slot defined by the clamp faces of said pair of jaws.

2,548,402
WAIST AND WAISTBAND CONSTRUCTION OF TROUSERS AND THE LIKE
H. Bert Dallas Smith, Dallas, Tex., assignor of one-half to Olin Welborn Smith, Jr., Dallas, Tex.
Application July 1, 1948, Serial No. 36,514
4 Claims. (Cl. 2—237)



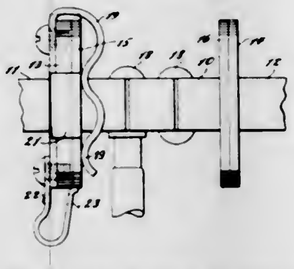
3. A garment comprising in combination a waistband having rear and front sections, said waistband being unattached to the garment except for the rear sections of said waistband, rear pockets of the garment formed integrally with the rear sections of said waistband and directly attached to the garment only at the mouths of said pockets, and side pockets for the garment stitched to the front sections of said waistband and attached to the garment only at the mouths of said pockets.

2,548,403
LUMBER KILN
Elton V. Smith, Hot Springs, Ark.
Application November 1, 1944, Serial No. 561,402
2 Claims. (Cl. 34—191)



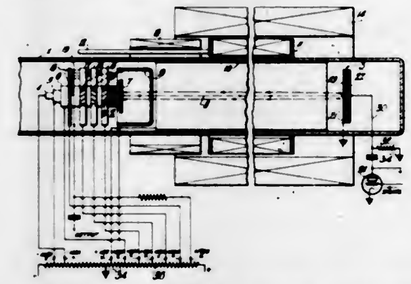
1. In combination with a dry kiln having a plurality of lumber-supporting cars therein arranged in tandem from one end of the kiln to the other, means positioned along the side walls of the kiln for alternately subjecting opposite sides of the lumber to the action of a drying medium, and baffle means for preventing the flow of said medium between the side edges of the cars and the kiln wall comprising elongated metal members supported by the kiln and bent into substantially U-shaped form for embracing the opposite side edges of all of said cars.

2,548,404
WAVE GUIDE CLIP
Charles Sobel, New York, and Rudolph C. De Giovine, Jackson Heights, N. Y., assignors to Reeves Instrument Corporation, New York, N. Y., a corporation of New York
Application September 29, 1948, Serial No. 51,832
7 Claims. (Cl. 285—143)



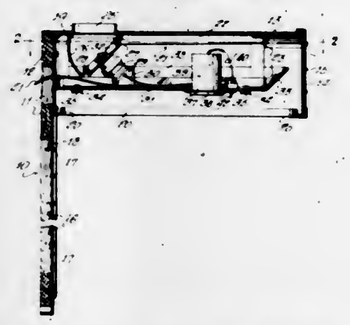
1. In a wave guide wherein a removable section of the wave guide is supported between fixed sections of the wave guide with passageways extending through said sections in alignment, the combination including a flange carried by one of the fixed sections of the wave guide, a second flange carried by the removable section of the wave guide at one end thereof, the outer face of said second flange being in engagement with the outer face of the first-mentioned flange when the removable section of the wave guide is positioned between the fixed sections, a spring clip carried by one of said flanges to hold the faces of said flanges in engagement, and a resilient latch carried by one of said flanges and engaging with the other of said flanges when said flanges are held in engagement.

2,548,405
ELECTRON TUBE
Richard L. Snyder, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 24, 1945, Serial No. 606,812
11 Claims. (Cl. 315—12)



1. A cathode ray beam storage tube system comprising a cathode ray beam gun adapted to produce a beam of electrons along a path, a target having a surface positioned transversely to said beam, a screen at said surface of said target, means for scanning the beam of said gun over elemental areas of said target surface, a signal receiver including an output terminal, means capacitively connecting said output terminal to said target surface to apply each of successive signal potentials simultaneously to all of the scanned elemental areas, and means connected to said screen for applying an electrostatic potential thereto to control the secondary emission from said target surface.

2,548,406
COOKING STOVE VENTILATING CANOPY AND MOUNTING
Robert Sonntag, Dallas, Tex.
Application December 13, 1948, Serial No. 65,011
1 Claim. (Cl. 98—115)



A cooking stove canopy and ventilator comprising in combination, battens disposed to define a rectangular wall frame, a canopy attached to the top of said frame and extending outwardly from the wall on which said frame is mounted, said canopy having depending ends and side walls, each provided with a grease collecting channel, a horizontal, open-sided frame affixed to and depending from the underside of said canopy, a transition duct connected to a discharge opening in said canopy and depending from the underside of the latter, said duct being curved at an angle of substantially forty five degrees towards the center of said canopy, a

deflector plate having upturned edges and attached to the underside of said horizontal frame, a fan motor mounted on said deflector plate at an angle thereto, a fan operated by said motor within the inlet end of said duct, means for opening and closing an electric circuit to said fan motor, and means accessible on the underside of said deflector plate for detaching the latter, said motor and fan as a unit from said horizontal frame.

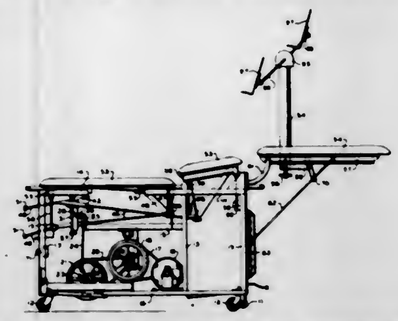
2,548,407
ROWING AND STEERING DEVICE FOR BOATS
Paul C. Tabbert, Bridgman, Mich.
Application August 6, 1948, Serial No. 42,947
2 Claims. (Cl. 115—29)



1. In a propelling device for boats, the combination of a support adapted to be secured to a boat at the stern thereof, a supporting arm mounted on said support for horizontal swinging movement, a generally vertical bushing pivotally mounted on said arm for vertical swinging movement and having upwardly opening notches in the upper end thereof, a lever shaft slidably mounted in said bushing and having an inwardly extending angularly disposed upper portion provided with a grip, a pin projecting from said shaft and engageable in said notches, a spring compressed between the bottom of said bushing and a portion of said shaft to urge said pin into said notches, a pivot rod disposed transversely of said shaft in spaced relation to its outer end and having rearwardly offset pintles, a blade having pivot engaging knuckles on its upper edge coacting with said pintles to swingably support the blade at the rear of the shaft, a [illegible]er mounted on the outer end of said shaft acting to limit the forward swing of said blade and engaging the blade centrally thereof on the work stroke of the oar, and a rearwardly projecting stop mounted on said shaft adjacent said pivot rod to limit the up swing of the blade.

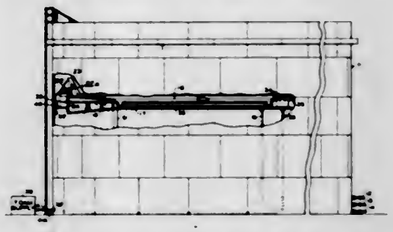
2,548,408
MASSAGE TABLE
Kathleen Tammen, Tucson, Ariz.
Application June 13, 1947, Serial No. 754,316
6 Claims. (Cl. 128—52)

6. In a mechanical massage table, a frame, two pairs of body-treating members movably mounted on said frame, said body-treating members comprising two shoulder- and back-treating members and two hip-treating members, means for selectively imparting movement to each of said body-treating members, and means for independently varying the degree and direction of movement of each body-treating member whereby each member of a pair of body-treating members



may selectively move in unison or in opposition to the other member of said pair.

2,548,409
FOAMITE FIRE-EXTINGUISHING SYSTEM
Claude H. Trotter and Arthur W. Sweeney, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 14, 1949, Serial No. 127,172
6 Claims. (Cl. 169—4)

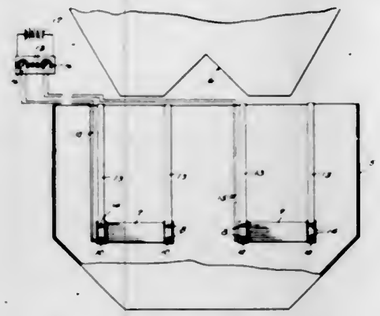


1. Apparatus for use in extinguishing fire in storage tanks in which inflammable liquids are stored and having a floating roof, slidable shoes attached to the periphery of said floating roof with a flexible material to form a seal between said floating roof and the vertical wall of the tank and affording a closed vapor space bounded by the surface of the inflammable liquid, the slidable shoes, said flexible material, and the periphery of said floating roof, comprising a first pipe extending through the wall of the tank, a conduit in said tank having one end attached to said first pipe and the other end attached to one end of a second pipe extending through said floating roof, said second pipe extending radially above said roof and terminating at a point within said vapor space and means to supply fire extinguishing foam to said first pipe.

2,548,410
MOISTURE INDICATOR FOR SAND AND GRAVEL WEIGHING HOPPERS
Vernon L. Tyson, Miami, Fla.
Application July 27, 1949, Serial No. 106,992
1 Claim. (Cl. 175—183)

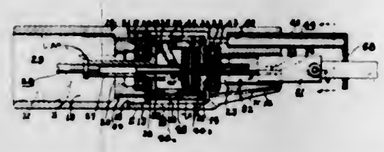
The combination with a sand and gravel container, of a moisture indicating device comprising a pair of wide spaced parallel conductor plates having their side faces disposed vertically, bolts connecting the conductor plates, hanger insulating pads encasing the ends of the conductor plates, arms having openings through which the bolts extend securing the hanger arms and plates

together, a hook formed in one of the respective ends of each hanger, said hooks adapted to be fitted over the upper edge of the container with which the device is used, removably supporting the conductor plates within the container, and



electric wires leading from the ends of the conductor plates, the circuit between the wires and conductor plates being completed by the moisture laden material contacting with the conductor plates.

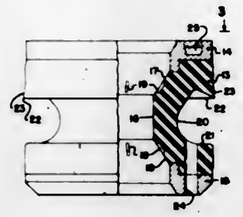
2,548,411
MOTION CONVERTER
Henry F. Vaché, Upper Darby, Pa.
Application May 22, 1948, Serial No. 28,569
4 Claims. (Cl. 74—57)



1. A converter for changing rotary motion to reciprocating motion including a housing, a hollow cam-track member rotatably mounted within the housing and having at each opposite end a hollow axle journaled within the housing, a reciprocable plunger within said cam-track member and having at each opposite end a shaft section axially slideably mounted in one of said hollow axles, said cam-track member having an endless cam-groove in its inner face describing a path which travels axially from one axially extreme position to another and back again in a revolution of the member, a cam-follower journaled on said plunger, extending therefrom generally at a right angle to the axis of the plunger and slideable in said cam-groove for oscillation to and fro about its journal as it travels in said cam-grove, and a key operatively interposed between said plunger and said housing to prevent rotation of said plunger relatively to said housing.

2,548,412
SEALING UNIT FOR WELL CASING HEADS
David C. Walker, Tulsa, Okla., assignor to Hinderliter Tool Company Division H. K. Porter Company, Inc., a corporation of Pennsylvania
Application May 24, 1948, Serial No. 28,791
2 Claims. (Cl. 288—1)

1. A sealing unit for well casing heads, comprising, a generally tubular flexible sleeve member having a medial portion of lesser internal diameter than the ends thereof, oppositely sloping surfaces extending from said medial portion to the opposite ends of said sleeve member, a circumferential recess in the outer periphery of said sleeve member substantially opposite said medial portion, a flexible lip depending from the outer margin of the upper wall of said recess, one or



more passageways extending through the wall of said sleeve member between said recess and the interior of said sleeve member below said medial portion, and a plurality of circumferentially spaced depressions in each of said sloping surfaces adjacent the junctures thereof with said medial portion.

2,548,413
LATCH
Herbert O. Wilson, Berea, Ohio
Application July 18, 1947, Serial No. 761,920
7 Claims. (Cl. 220—55)

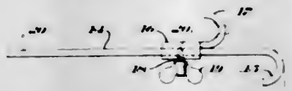


7. A latching mechanism for securing a closure with respect to an aperture, comprising, supporting means for said closure and anchor means, said closure being located intermediate said supporting means and said anchor means being in contact with said supporting means, a base for said latching mechanism, means for securing said base to said closure, a latch member for said latching mechanism engageable with said anchor means, and rotatable screw means actuable for pressing said latch member against said anchor means in a direction tending to separate said base and said anchor means, whereby to press said closure against said supporting means, said rotatable screw means actuable for pressing comprising a screw threadedly passing through said latch member and bearing against said closure, rotation of said screw pressing said latch member against said anchor means, said latch member comprising two ends, one of said ends engaging said anchor means, and means for restraining movement of the other end, said screw passing through said latch member intermediate said two ends.

2,548,414
BENDING TOOL FOR RAIL BOND CONDUCTORS

John R. Wilson, Penn Township, Allegheny County, Pa., assignor to Hanlon & Wilson Company, Wilkinsburg, Pa., a corporation of Pennsylvania

Application June 10, 1947, Serial No. 753,663
2 Claims. (Cl. 81—15)



1. A tool for bending the conductor of a rail bond having a terminal extending perpendicular to the conductor, said tool comprising an elongated handle having one end curved downwardly from the plane of the handle and rearwardly in the form of a smooth faced shaping head for the conductor, a fork having prongs extending upwardly from the plane of the handle and rearwardly, said prongs lying in a line extending perpendicular to the longitudinal axis of said handle and being capable of engaging a terminal of the bond and restraining movement of the terminal when the conductor of the bond is bent around said shaping head.

2,548,415
BORON FLUORIDE IN ETHYLIDENE FLUORIDE FOR LOW-TEMPERATURE POLYMERIZATION

Lester Marshall Welch, Madison, and Howard L. Wilson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 8, 1948, Serial No. 64,236
3 Claims. (Cl. 260—85.3)

1. In a continuous polymerization process for the preparation of a copolymer, the steps comprising continuously delivering to a polymerization reactor a stream consisting of a major proportion of isobutylene and a minor proportion of isoprene: diluting the mixture with from ½ volume to 10 volumes of ethylidene difluoride; copolymerizing the mixture of isobutylene and isoprene by the continuous addition to the reaction mixture of a liquid stream of previously prepared polymerization catalyst consisting of boron trifluoride in solution in ethylidene difluoride, maintaining the temperature within the range between —40° C. and —103° C. throughout the entire copolymerization reaction, whereby there is obtained a solid copolymer which is insoluble in the ethylidene difluoride and which is characterized by having a Staudinger molecular weight number above about 20,000 and whereby the adhesion of solid copolymer particles to the polymerization reactor walls is minimized by the presence of the ethylidene difluoride.

2,548,416
AMINO-ALDEHYDE CONDENSATION PRODUCTS AND PROCESSES FOR PREPARING THEM

George Barsky, New York, and Frank A. Strauss, Staten Island, N. Y.

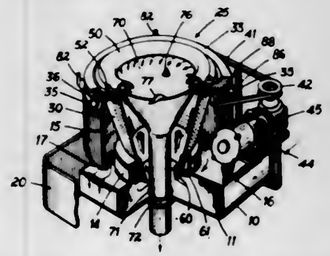
No Drawing. Application January 14, 1949, Serial No. 71,036
5 Claims. (Cl. 260—67.6)

1. A process for preparing water-soluble resinous compositions which consists in heating dimethylol urea until substantially complete solution is effected with at least one-seventh of its weight of formaldehyde dissolved in water and having an initial pH value greater than 7.0, then adding urea to said solution in such proportion that the molecular ratio of carbamide groupings to methylol groupings present is not less than 1:2.5 and not greater than 1:1.8 and continuing heating at a pH value less than 7.0 until a resinous product is obtained.

2,548,417
APPARATUS FOR THICKENING LIQUID SLURRY STOCK

Joseph Baxter, Jr., Franklin, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

Application December 24, 1948, Serial No. 67,173
12 Claims. (Cl. 210—63)



1. Apparatus of the character described for thickening a liquid slurry stock by removing liquid therefrom comprising a frusto-conical perforate screen member mounted with the larger end thereof uppermost, means for supplying stock to be thickened to the lower end of said screen member, means for rotating said screen member to cause said stock to travel upwardly along the inner surface thereof with accompanying discharge of liquid outwardly through the perforations therein, imperforate collecting means defining a chamber for receiving the thickened stock from said screen member, means mounting said collecting means in stationary position inwardly of the perforate surface of said screen member, and means forming a peripheral discharge lip extending inwardly from the upper end of said screen member, said lip being curved radially inwardly of said screen member and downwardly to a position located radially inwardly of the periphery of said collecting means to form an inverted trough partially overhanging said chamber for guiding said thickened stock from said screen member into said chamber.

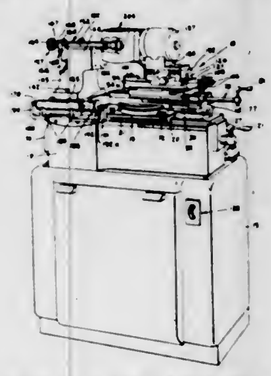
2,548,418
SURFACING MACHINE

Daniel P. Bernheim and William A. Gunning, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application December 19, 1947, Serial No. 792,668
17 Claims. (Cl. 51—55)

1. A surfacing machine comprising a base having a work supporting head fixedly secured adjacent one end thereof and having a slideway extending in a direction longitudinally thereof, a slide member on said slideway movable toward and away from said work supporting head, a rotatable portion pivotally secured to said slide member for movement about an axis disposed normally to the direction in which said slide

member is movable and having a second slideway thereon, a second slide member mounted on said second slideway movable toward and away from said axis and having a tool supporting head pivotally attached thereto for movement about a second axis disposed substantially parallel to said first axis, a cupped type abrading tool having its effective abrading surface in the form of an arc with its center coaxial with said second axis whereby the tool may be moved about said second axis as a center to different angular positions, means carried by said tool supporting head for rotating said tool and adjustment means carried



by said work supporting head for moving an article to be abraded into alignment with the effective abrading portion of the tool and for controlling the depth of the abrading action of the tool on the article, whereby the tool may be swung about the first axis as a center to cause the effective abrading portion of the tool during the rotation thereof to move transversely of the article and cause the shape of the resulting abraded surface on said article to have a curvature in one meridian thereof controlled by the adjusted angle of the tool about the second axis and in the major meridian thereof controlled by the arc of swing of the tool about said first axis.

2,548,419
METHOD FOR PRODUCTION OF LUSTROUS ZINC

Allan E. Chester, Highland Park, and David F. Seymour, Gurnee, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 23, 1945, Serial No. 612,304
6 Claims. (Cl. 148—6.21)

1. A method of producing lustrous zinc surfaces and of protecting zinc surfaces against corrosion, which comprises treating a zinc-surfaced article with a chromic acid solution capable of forming a stain thereon and then with an alkaline reducing solution of a hydrosulfite.

2,548,420
METHOD OF PRODUCING LUSTROUS ZINC

Allan E. Chester, Highland Park, Ill., and Bruno Leonelli, Highland Park, Mich., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware

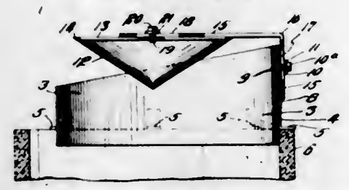
No Drawing. Application August 27, 1948, Serial No. 46,562
10 Claims. (Cl. 148—6.21)

3. The process of producing a zinc surfaced article resistant to corrosion which comprises immersing the article in a bath containing chromic acid, rinsing the article, and before the rinsed article is dry immersing it in an alkaline silicate bath containing 1 ounce to 12 ounces per gallon of sodium silicate at a temperature within the range of 120 degrees F. to 180 degrees F.

2,548,421
ATTACHMENT FOR CERAMIC COMBUSTION CHAMBERS

Frank Christenson, Jamaica Estates, N. Y.

Application February 9, 1946, Serial No. 646,582
1 Claim. (Cl. 110—97)

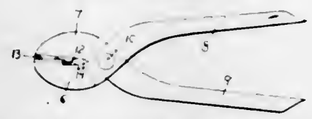


The combination of a ceramic combustion chamber and a concentric metallic attachment for increasing the height of the chamber, said attachment being preformed to be substantially of the same contour as the chamber and to constitute a vertical extension thereof, lateral flanges on the lower portion of the attachment whereby the same may be positioned on the upper rim of the chamber so as to constitute a continuation thereof, a vertical arm adjustably mounted on the side of the attachment, said arm having a horizontal extension at the top thereof and a baffle plate adjustably secured to the end of said arm so as to be near the center of said attachment for baffling and deflecting gases emitted from said chamber.

2,548,422
PLIERS

Richard Charles Cronk, Hudson, Wis.

Application August 15, 1949, Serial No. 110,335
1 Claim. (Cl. 30—142)



A tool of the class described, comprising a pair of pivotally connected jaws having operating handles, one of the jaws having in its working face, at its outer extremity, a longitudinal V-shaped groove, and rearwardly of said groove, a V-shaped cutting blade, the edge of which is substantially in the plane of the bottom of the groove, the other jaw having on its working face, a V-shaped blade that extends substantially from the outer extremity of the respective jaws, to the inner end of the first noted blade.

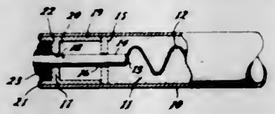
2,548,423
ELECTRIC HEATING DEVICE

James M. Cumming and Wayne S. Aspey, Turtle Creek, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

Application September 16, 1946, Serial No. 697,206
3 Claims. (Cl. 201—63)

1. An electric heating device comprising a metallic sheath containing a granular refractory filler material and enclosing an electric heater

wire, a metallic spacer member inserted within and welded to one of the terminal ends of said sheath, said spacer member having a central aperture to receive the terminal end of said electric heating wire, said aperture being of slightly greater diameter than the diameter of the terminal end of said heating wire, a disk washer having a central aperture slightly larger than the diameter of the terminal end of said heating wire, said washer being positioned around the terminal end of said heating wire and within



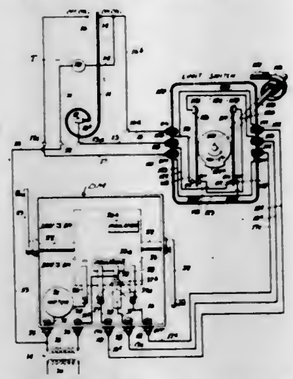
said sheath between the filler material and said spacer, said spacer being shaped to provide an air space between said washer and the end of said sheath that is devoid of said granular refractory material, the terminal end of said heating wire being welded to said spacer in the region of the spacer aperture to provide a vacuum-tight joint between the spacer and said terminal end, the gases evolved from said filler material during the beginning of the welding operation escaping through said apertures.

2,548,424

TEMPERATURE CONTROL SYSTEM WITH SIGNAL

Carl H. Dicke, New Bremen, Ohio, assignor, by mesne assignments, to Crown Controls Company, Inc., New Bremen, Ohio, a corporation of Ohio

Application March 13, 1946, Serial No. 654,052
6 Claims. (Cl. 236—9)



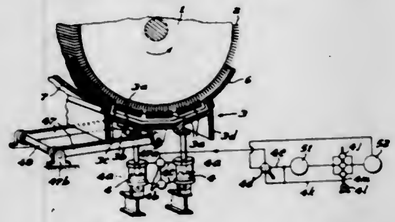
1. In a temperature control system of the type having a thermostat including a thermo-responsive switch, a combined high and low limit switch, a heat-supply controlling device, a plurality of conductors connecting said switch for controlling said heat-supply controlling device via said limit switch, and an electric source connected to for operating said heat-supply controlling device; the combination of a lamp so associated with said thermostat that heat therefrom, when energized, affects said thermo-responsive switch and a conductor leading from one terminal of said lamp to said electric source, the other side of said lamp being connected to the other side of said electric source via said thermo-responsive switch and one of said plurality of conductors.

2,548,425

BEATER

George W. Dodge, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y., a corporation of New York

Original application October 9, 1945, Serial No. 621,259. Divided and this application January 15, 1947, Serial No. 722,177
3 Claims. (Cl. 92—22)



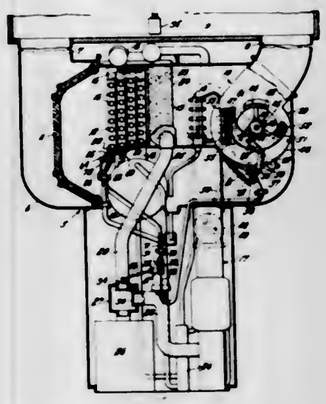
1. In a beater, a bed plate, a beater roll mounted above said bed plate, means for adjusting said bed plate vertically towards said roll and for holding it under predetermined pressure in operating position against said roll, and means for maintaining the bed plate in a horizontal plane relative to the roll, and for holding the bed plate against the circumferential thrust of the beater roll including a torque shaft rotatable in fixed bearings, and parallel connecting rods fast at their outer ends to said torque shaft and pivoted at their inner ends to the bed plate.

2,548,426

AIR-CONDITIONING

Per Edberg, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application February 7, 1947, Serial No. 727,076
10 Claims. (Cl. 257—9)



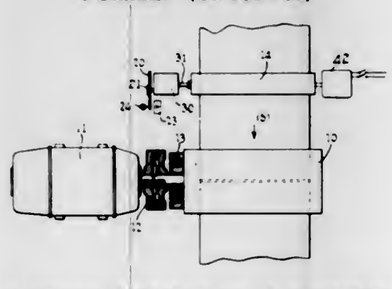
1. In an air conditioner, a conditioning chamber, a fan for delivering air through the conditioning chamber to an enclosure to be conditioned, a heating system having a heating element in the conditioning chamber, a refrigeration system having a cooling element in the conditioning chamber, a controller for selecting either the heating system or the cooling system for operation, said fan having a casing with an air inlet opening in the side thereof, a movable element cooperating with the fan casing to partially cover the air inlet opening and reduce the capacity of the fan, and mechanism operated by the controller for actuating the movable element.

2,548,427

CONTROL APPARATUS FOR PERIODICALLY OPERATING MACHINES

Hans Rainer Fernbach, Parkstone, England, assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain

Application June 13, 1945, Serial No. 599,211
In Great Britain March 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1964
6 Claims. (Cl. 164—68)



1. A control apparatus for a processing machine periodically operating on continuously moving material, comprising a pilot member having a light transmitting portion of adjustable length, a reversible drive connected with said pilot member and operable to oscillate said pilot member, material movement responsive means connected with said pilot member and adapted to impart an oscillating movement thereto through said reversible drive, said drive including electrically controllable elements effecting the reversals of said drive, and photo-electric control means connected to said processing machine and cooperating with said adjustable light transmitting portion of the pilot member operating the processing machine at each reversal of said pilot member to cause the processing machine to operate at spaced intervals on the material according to the adjusted length of the light transmitting portion of the pilot member.

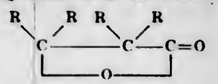
2,548,428

PREPARATION OF QUATERNARY AMINES FROM TERTIARY AMINES AND BETA-LACTONES

Fred T. Fiedorek, Oakdale, Calif., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 6, 1949, Serial No. 91,856
8 Claims. (Cl. 260—248.5)

1. The method which comprises bringing together in the liquid phase reactants consisting of a saturated aliphatic beta-lactone of the formula



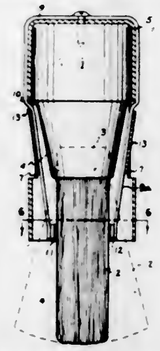
wherein each R is selected from the class consisting of hydrogen and lower alkyl radicals, and a tertiary amine, whereupon a chemical addition reaction occurs, thereby to form a quaternary amine in which the beta carbon atom of the beta-lactone is connected to a nitrogen atom of the tertiary amine.

2,548,429

SHAVING BRUSH

James F. Fitzgerald, Detroit, Mich.

Application November 23, 1945, Serial No. 630,229
9 Claims. (Cl. 15—168)



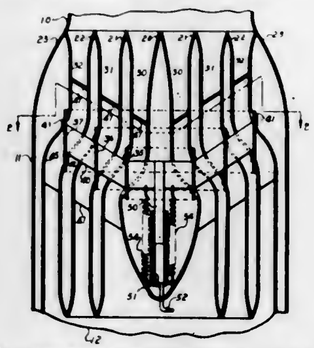
1. A brush comprising a handle, a set of bristles carried by the handle and flexibly projecting therefrom, a pair of arms projecting from the handle at opposite sides of the bristles and flexible to and from the bristles, and jaws carried by and oppositely laterally projecting from said arms and engageable with the bristles approximately midway of the flexible bristle length to compress substantially all of the bristles by flexure of said arms.

2,548,430

SLEEVE VALVE FOR RESONANCE COMBUSTION APPARATUS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application February 1, 1947, Serial No. 725,802
7 Claims. (Cl. 137—144)



1. In a resonance combustion apparatus, a plurality of hollow annular vanes extending in the direction of air flow and defining annular air-admitting passages between axially spaced and substantially cylindrical wall portions of different diameters and with a connecting portion having substantially conical spaced walls, a plurality of sleeve valve members mounted in annular recesses in said vanes and each slidable from a forward recess in one vane across the air passage between two adjacent vanes to a rear recess in an inwardly adjacent vane, said sleeve valve members closing said air passages when in mid

position, and means connected to the sleeve valve members and operative to move each of said sleeve valve members axially between two extreme positions which are on opposite sides of one continuous air passage.

2,548,431

TANK CONSTRUCTION FOR MEASURING AND DISPENSING

Fred Hague, Devon, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application April 10, 1945, Serial No. 587,472
1 Claim. (Cl. 222—450)



A tank construction adapted for a vehicle comprising a casing, partitions extending thereacross forming a plurality of upper compartments, a lower compartment secured to said casing and positioned directly beneath the upper compartments, each of said upper compartments being in communication by independent conduit means with said lower compartment, valve means in each of said independent conduit means for controlling the fluid flow between each of the upper compartments and the lower compartment, the capacity of each upper compartment, measured in gallons, being a multiple of the gallonage capacity of the lower compartment and each upper compartment having a capacity different from that of each of the other upper compartments, the lower compartment having a feed inlet extending to a point above the upper compartments for gravity delivery of fluid to said lower compartment and gravity delivery of fluid to the upper compartments through the several conduits connecting the lower compartment and the upper compartment, the lower compartment having also a valved dispensing outlet for dispensing fluid received from the upper compartments through said conduits; whereby, when the feed inlet and the valves on said connecting conduits are opened, the lower compartment functions as a manifold for gravity filling of an empty tank, and when the valve on said dispensing outlet and the valve or valves on one or more of said conduits are opened, functions also to continuously receive and dispense a quantity of fluid equal to the capacity of any one or more of the tanks, or the capacity of any one or more of the tanks plus the capacity of the lower compartment, dependent upon whether at the start of dispensing the lower compartment is filled or empty.

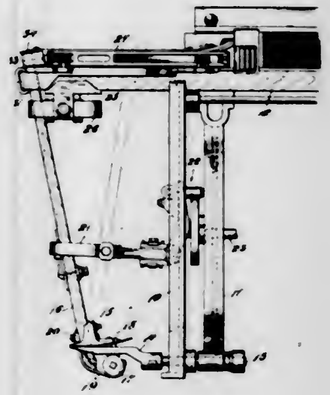
2,548,432

PICKER STICK HOLD-DOWN DEVICE

Harold Hoeber, deceased, late of South Dartmouth, Mass., by Barbara O. W. Hoeber and William T. Read, executors, Dartmouth, Mass., assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass., a corporation of Massachusetts

Application January 28, 1947, Serial No. 724,724
5 Claims. (Cl. 139—183)

1. In a loom, a lay having a shuttle box with opposite side walls, a picker stick for driving the shuttle out of said box and a rigid lip of sheet material carried by one of said walls only and extending above the end of the picker stick to limit its upward movement.



2,548,433

PLASTISOLS CONTAINING NITROGENOUS VISCOSITY CONTROLLING AGENTS

David X. Klein, Passaic, and Mark N. Curgan, Clifton, N. J., assignors to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 12, 1949, Serial No. 121,061
12 Claims. (Cl. 260—29.1)

1. A polyvinyl chloride resin composition including a plasticizer, having its viscosity lowered by the presence therein of an aliphatic amine having a dissociation constant greater than 1.0×10^{-6} and which is liquid at room temperature.

2,548,434

SELECTIVE EXTRACTION AND FRACTIONATION OF FATTY MATERIALS

William M. Leaders, Chicago, Ill., assignor, by mesne assignments, to Swift & Company, a corporation of Illinois

Application August 1, 1945, Serial No. 608,186
6 Claims. (Cl. 260—428.5)

1. A process for the treatment of a material of the class consisting of seed meals, cracklings and bleaching earth to recover decolorized fatty material therefrom, which comprises, subjecting the material to the action of a liquefied normally gaseous hydrocarbon solvent in a solvent-oil ratio of between about 15 to 30 volumes of hydrocarbon to 1 volume of oil at temperatures of about 150° to 200° F. to dissolve the relatively light color fatty materials while leaving the undesirable dark color bodies undissolved with the nonfatty materials and under pressures sufficiently high to maintain the solvent in the liquid phase, and separating the solution of decolorized fatty material from the residual undissolved materials.

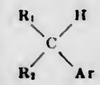
2,548,435

OXIDATION OF AROMATIC HYDROCARBONS

Eugene J. Lorand and John E. Reese, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1946, Serial No. 687,705
25 Claims. (Cl. 260—610)

1. The process of oxidizing an alkyl-substituted aromatic organic compound having the structural formula



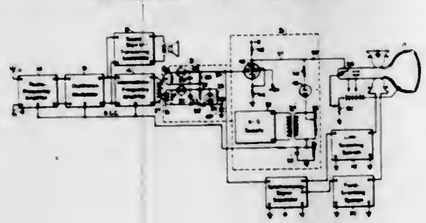
in which R_1 and R_2 represent alkyl groups and Ar represents a substituent selected from the group consisting of aryl and alkaryl groups, which process comprises passing, with intimate contact, an oxygen-containing gas through said organic compound in the liquid phase at a temperature between about 20° C. and about 95° C. in the presence of an aqueous medium selected from the group consisting of liquid water and an aqueous alkali.

2,548,436

TELEVISION RECEIVER BACKGROUND CONTROL CIRCUIT

Arthur V. Loughren, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application January 25, 1946, Serial No. 643,288
12 Claims. (Cl. 178—7.5)



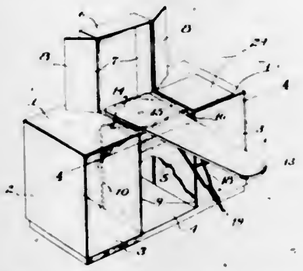
10. A television receiver background control circuit comprising, means for obtaining a video signal including recurrent components, video frequency components and the direct-current components, in which said recurrent components represent the maximum amplitude of said video signal, as measured from a first reference level, while a predetermined fractional portion of said maximum amplitude represents the black level of said video signal, a circuit arrangement for deriving a second signal including recurrent components and video frequency components, one of said last-mentioned components having amplitude values with respect to a second reference level which are equal but of opposite polarity to and vary in substantially the same manner with variations in signal intensity as said black level of said video signal with respect to said first reference level, means for combining said video signal and said second signal to produce an output video signal, means for so stabilizing said second signal that the black level of said output signal is made substantially independent of variations in the signal intensity of said first-mentioned video signal, said output signal including said recurrent components, means for deriving a control signal having an amplitude determined by the amplitude of said recurrent components of said output signal, as measured from said black level thereof, and means for utilizing said control signal to control an operating characteristic of said translating system.

2,548,437

CABINET WITH DISAPPEARING IRONING BOARD

John Mantagas, Brooklyn, N. Y.

Application October 11, 1948, Serial No. 53,829
1 Claim. (Cl. 38—104)

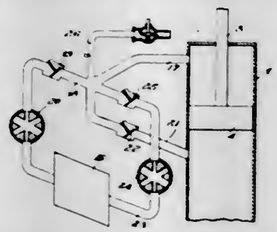


In combination with a compact, portable, self-supported linen, ironing board and hot iron cabinet having a flat rectangular top connected to and supported above a similar bottom by panels forming the end and back enclosing sides thereof; a rectangular opening across said top, partition walls from the longer opposite edges of said opening to said bottom setting off storage spaces between said top and bottom, a horizontal shelf bridging approximately six-tenths of the area between said partition walls from the front rearwardly thereof on a plane substantially below the brim of said opening, an open-front housing over approximately three-tenths of the area from the back frontwardy of said opening, a vertically elongated compartment extending from the roof of said housing through said opening to said bottom, said compartment being in open communication with the space above said shelf, parallel grooved tracks on opposing sides of said partition walls running rearwardly between the brim of said opening and said shelf and, for a short distance, parallel to said shelf, thence gently curving downwardly to the bottom of said elongated compartment, an ironing board having a vertically adjustable supporting leg hingedly connected thereto, a hinge-brace for said supporting leg hingedly connected to said leg and board, a number of superimposed blocks pivotally connected to the heel of said ironing board, an axle-shaped cross-bar secured across the underside of the lowermost of said blocks, the axle points of said cross-bar slidably mounted on said grooved tracks, a self-winding reel mounted on said shelf, a flat ribbon steel spring wound on said reel with one of its ends fastened to the axle of said reel and the other to the heel of said ironing board, said spring and reel developing tension when said board is pushed back to a vertical inoperative position within the said elongated compartment thereby exerting a forward pull when said board is being brought forth to a horizontal operative position, a fireproof receptacle beside said reel to receive a hot iron, a removable covering for said rectangular opening and doors for said housing for completely hiding said reel, iron and ironing board from view when said board is in a vertical inoperative position within said elongated compartment.

2,548,438
MULTICELLULAR ACRYLIC RESIN
Joseph R. McLoughlin, Fort Washington, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 24, 1948, Serial No. 61,933
4 Claims. (Cl. 260—2.5)

1. The process of preparing objects of hard acrylic resin having therein a multiplicity of small gas cells surrounded by said resin in the form of a continuous skeletal structure which comprises mixing an acrylic ester which yields hard, solid polymers and an organic peroxide which decomposes when boiled in toluene, the amount of peroxide being 6% to 10% of the weight of said ester, polymerizing said ester at 0° C. to 40° C. in the presence of said peroxide until a polymeric solid is formed, and heating the resulting polymeric solid at 110° C. to 130° C. to form a porous structure.

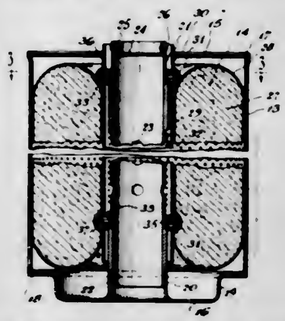
2,548,439
PRESSURE FLUID OPERATED APPARATUS FOR THROWING HEAVY OBJECTS
Frank Wesley Moffett, Jr., Gates, N. Y.
Application January 19, 1948, Serial No. 2,982
6 Claims. (Cl. 121—38)



1. Apparatus for throwing heavy objects comprising a cylinder, a compressed air operated piston and piston rod movable in the cylinder, an object carrier mounted on the piston rod above the cylinder, an air pressure supply pipe communicating with the lower end of the cylinder and affording a body of air under the piston, a compressed air chamber connected with said supply pipe, a control valve adjacent the lower end of the cylinder and operative to admit air pressure to said cylinder beneath the piston, the air pressure operating to move the piston instantly to the upper end of the cylinder when said control valve is opened, an air-balancing chamber in close proximity to the upper end of the cylinder, inlet and return pipes leading from the air-balancing chamber to the cylinder at a point adjacent the top thereof, a second inlet pipe leading to the air-balancing chamber from the cylinder at a point beneath the piston when the latter is approaching its uppermost position, and a check valve in said second inlet pipe permitting flow therethrough from the cylinder to the air-balancing chamber.

2,548,440
FILTER
John Paul Morris, Hinsdale, Ill., assignor to M & J Diesel Locomotive Filter Corporation, Chicago, Ill., a corporation of Illinois
Application August 10, 1949, Serial No. 109,556
2 Claims. (Cl. 210—154)

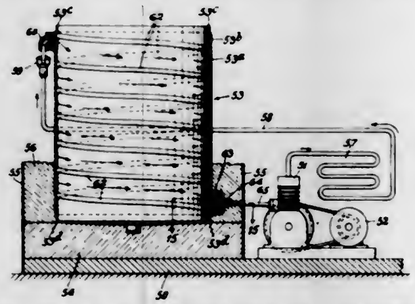
1. In a filter assembly, the combination of a perforated standpipe unit with a permanently assembled filter unit, said standpipe unit comprising a tubular metal member of substantially cylindrical shape having thickened wall portions adjacent each end and a thinner portion intermediate said thickened portions and said thinner portion being provided with a multiplicity of apertures, and having one end open and the other end closed, with a sheet metal cap secured in the end, the said thickened portions terminating in a partially circular annular retaining shoulder facing toward the closed end in each instance, for receiving a seal, the said filter unit comprising an outer cylindrical housing provided with a multiplicity of apertures, a pair of circular end members permanently secured to the ends of said cylindrical member, one of said circular members comprising a flat disc having a central aperture, and the other of said circular members comprising a dished annular member having a central aperture bordered by an in-



wardly extending tubular member slidably receiving said standpipe, a filter tube in said aperture in said disc, said tube comprising a tubular metal member formed with a pair of partially circular annular ribs projecting outwardly and forming inwardly open annular grooves of circular cross section located in substantial registry with said annular shoulders, said filter tube being perforated in the area between said annular ribs, and said filter tube being coaxially located with respect to said standpipe, a filter element in said cylindrical casing and comprising an annular body of waste housed inwardly and outwardly by a stretchable sock, and a pair of sealing members of toroidal shape, the said sealing members rolling on said standpipe during the insertion of the standpipe, and permitting a limited sliding until the standpipe is inserted in the aperture in the dished member and the seals are located in the annular grooves and against the annular shoulders of the standpipe.

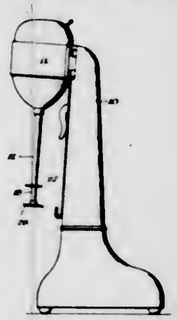
2,548,441
REFRIGERATOR AND EVAPORATOR THEREFOR
Willard L. Morrison, Lake Forest, Ill.
Application May 26, 1945, Serial No. 596,047
4 Claims. (Cl. 62—126)

1. In an evaporator for refrigerators and the like, an inner cylinder and an outer cylinder, said cylinders being sealed together to define therebetween a space for the evaporation of a volatile refrigerant, the axis of said evaporator being generally upright, a refrigerant supply duct extending to the upper end of said space, a refrigerant return duct extending from the bottom of said space, means for circulating a refrigerant through said ducts and space, and means for distributing the refrigerant substantially uniformly throughout said space while maintaining a generally downward movement of the refrigerant throughout said space, whereby substantially all of the outer face of the inner cylinder



is subjected to the evaporating refrigerant, said inner cylinder constituting, substantially throughout its entire area, a primary refrigerating surface.

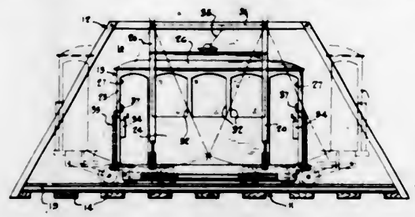
2,548,442
AGITATOR FOR DRINK MIXERS
Louis Myers, Rockford, Ill.
Application December 31, 1947, Serial No. 795,005
3 Claims. (Cl. 259—134)



1. An agitator device for drink mixers comprising: a depending driven shaft provided with an integral shoulder spaced from its lower end, an integral stem of reduced diameter below the shoulder, having its upper portion provided with an elongated straight cylindrical periphery and its lower portion with a screw thread; an elongated one-piece sleeve having a bore extending longitudinally therethrough with a straight cylindrical upper portion closely fitting the straight cylindrical periphery on the stem for accurate coaxiality of the sleeve and stem and a screw thread in its lower portion fitting the screw thread on the stem, and provided with an integral annular shoulder adjacent each of its ends; and agitator elements seated against the shoulders, respectively and fixedly secured on the shoulders by integral upset portions of the sleeve.

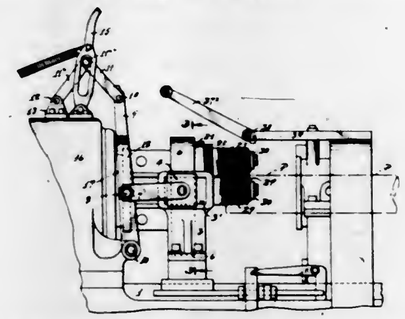
2,548,443
LAWN SWING
William H. Nicholson, Woodbury, N. J.
Application April 13, 1946, Serial No. 661,959
8 Claims. (Cl. 155—57)

1. In a lawn swing, a base including a pair of parallel spaced rails, a frame carried by said base, a body supported solely by means having pivotal mounting on said frame for swinging movement relative to said frame and base, a pair of wheels, and means mounting said wheels on said body for



vertical movement relative thereto, said wheels being adapted to roll on said pair of rails throughout swinging movement of said body.

2,548,444
THREAD ROLLING MACHINE FOR PIPES
Laurie F. Parker, deceased, late of Minden, La., by Myrtle M. Webb, executrix, Shreveport, and Arthur J. Sharp, Minden, La., assignors to J. Roy Parker and John B. Parker, both of Shreveport, La.
Application September 28, 1948, Serial No. 51,582
5 Claims. (Cl. 153—71)

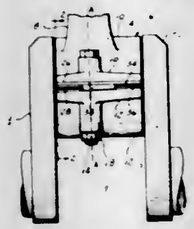


1. A thread rolling machine comprising a pair of spirally ribbed threading rollers, a pair of members upon which said rollers are mounted for rotation, a support, means pivotally mounting said members to said support, driving means for bodily rotating said support and thereby the rollers, means for moving said threading rollers toward each other for operative compressive movement upon the wall of a pipe, and means for holding the threaded rollers in offset relationship with respect to the axis of rotation of the support.

2,548,445
ABRADING DEVICE
Frank Postma, Paterson, N. J.
Application February 24, 1949, Serial No. 78,055
7 Claims. (Cl. 51—204)

1. As a new article of manufacture, abrading liners for engine crankshaft bearings formed in separable halves and having means for holding such halves together, consisting of the combination with a pair of arcuate shells of relatively thin flexible sheet material adapted to seat against the bore in the respective halves of the bearing, said shells being provided inwardly thereof with abrasive material for engagement with the crank journal at the bearing, said shells having shims integral with corresponding ends thereof adapted to fit between the edges of the bearing halves on one side thereof, of at least one supplementary

shim having a leaf located between the integral shims of the two abrading liner shells, said leaf of the supplementary shim covering the confronting faces of the integral shims over substantially their entire extent, said leaf tapering



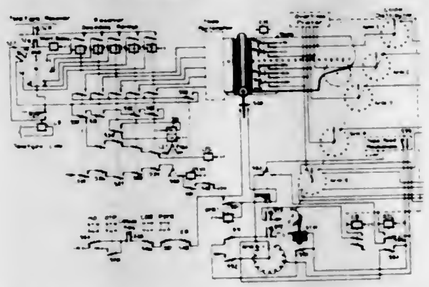
uniformly in thickness from one side edge of the leaf to the other, whereby the inner abrasive surface of the liners assumes a frusto-conical shape when the bearing halves are tightened toward each other.

2,548,446

SYSTEM FOR RECEIVING AND DECODING TELETYPE MESSAGES

Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application February 2, 1948, Serial No. 5,694
21 Claims. (Cl. 178—4)



6. A system for receiving and decoding teletype code messages each consisting of a predetermined number of code signals relating to items of flight data or the like comprising in combination, a line circuit, a code receiver connected to said line circuit, a tape perforator, said code receiver and said perforator cooperating to punch successive rows of holes in a tape to conform with the code signals of each message in turn as received, a tape transmitter located adjacent said perforator for receiving the punched tape from said perforator and including stepping mechanism for advancing said tape step by step through said transmitter, said transmitter including contacting means for establishing combinations of circuit energization corresponding with the arrangement of holes in the successive rows, a sag contact operated when said perforator operates to punch holes in the tape for a new message and a sag develops in the tape extending to said transmitter, a plurality of code registration units one for each of the respective code signals of said messages, a distributor operable to distribute in a fixed order said combinations of circuit energization to said code registration units for governing the operation thereof, means for initiating operation of the stepping mechanism of said transmitter automatically by operation of said contact after said perforator has been operated, means controlled by said sag contact and by said contacting means of said transmitter for maintaining its stepping mechanism in operation until the last row of holes of the last message punched in said tape has been brought into operative position in said transmitter, other means actuated by said contacting means of said transmitter for delaying initiation of the operation of said distributor when operation of said transmitter is initiated by said sag contact and blank tape is being stepped through said transmitter until the first row of holes of the new message is brought into operative position in said transmitter, whereby operation of said distributor is started in synchronism with the movement of the first row of holes of each message punched in the tape regardless of blank tape that may exist between messages.

2,548,447

FLUID COMPOSITIONS CONTAINING GLYCIDYL POLYETHERS

Edward Charles Shokal, Walnut Creek, and Albert C. Mueller, Berkeley, Calif., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application November 21, 1950, Serial No. 196,948
12 Claims. (Cl. 260—32.4)

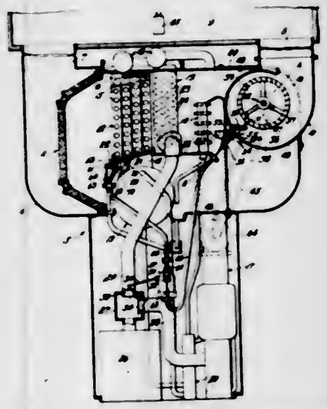
1. A fluid composition of matter adapted to resinify upon admixture therewith of a hardening agent comprising glycidyl polyether having a viscosity of at least 100 poises at 25° C. and a 1.2-epoxy equivalency greater than 1.0 in admixture with a fluidizing proportion of a cyano-substituted hydrocarbon having a melting point below 10° C. such that the composition has a viscosity of about 1 to 80 poises at 25° C.

2,548,448

AIR CONDITIONING

Walter M. Simpson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application February 18, 1947, Serial No. 729,345
11 Claims. (Cl. 257—9)



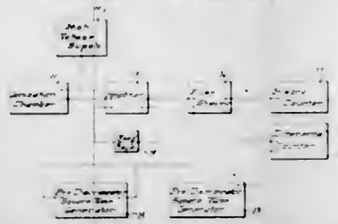
1. In an air conditioner, a conditioning chamber, a fan for delivering air through the conditioning chamber to an enclosure to be conditioned, a heating system for heating air in the conditioning chamber, a refrigeration system for cooling air in the conditioning chamber, a controller for selecting either the heating system or the refrigeration system for operation, said fan having a casing, a baffle pivotally mounted in the fan casing and having the same contour as the casing to adapt it to fit closely adjacent the sides thereof, and mechanism operated by the controller for rocking the baffle to an angular position with respect to the fan casing to reduce the capacity of the fan.

2,548,449

SENSITIVITY MODULATOR

Hans H. Staub, Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application August 29, 1945, Serial No. 613,399
7 Claims. (Cl. 250—83.6)



1. An electronic recorder circuit for measuring the energy spectrum of fission neutrons produced by the bombardment of fissionable material by a primary burst of neutrons while preventing measurement of the energy of said primary neutrons, said circuit comprising a multi-stage electronic amplifier including input and output electron discharge devices associated in corresponding stages, each device including anode, cathode, and control element, means for introducing a signal on the control element of said first device, and means for varying the cathode potential of said first device in respect to the character of said introduced signal, said last mentioned means including a non-passive degenerative feed-back circuit interposed between the anode of said output stage device and the cathode of said input stage device, said feed-back circuit including a capacitor chargeable during feed-back through said degenerative circuit, means for rendering said feed-back circuit inoperative in response to an introduced control signal, and means for discharging said capacitor through a resistor series connected to the cathode of said input device pursuant to the rendering of said feed-back circuit inoperative, said resistor being of a value to control said capacitor discharge in a manner to simulate the character of the signal from said primary burst following termination of feed-back in said amplifier.

2,548,450

DENTAL HAMMER

Martin Staunt, Chicago, Ill.

Application October 10, 1947, Serial No. 779,191
14 Claims. (Cl. 32—54)



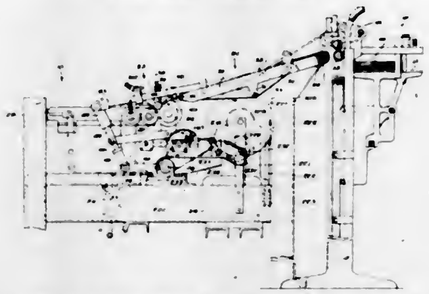
1. A dental hammer attachment comprising an angle head having a slidably mounted member for supporting a tool shank, a tool shank in said member, the said shank having an annular groove said member being provided with a cylindrical bore, and said shank being substantially cylindrical, and a rotatable member on said head having an eccentrically mounted portion for movement into said groove on said shank whereby the shank is secured against axial movement with respect to said slidable member the walls of said groove acting as stops for engaging said rotatable member.

2,548,451

APPARATUS FOR FORMING PAPER STRIPS INTO CONTINUOUS LABEL FORMING BANDS FOR YARN AND THE LIKE

Stanley E. Tribbey, Chicago, Ill., assignor to Caron Spinning Company, Rochelle, Ill., a corporation of Illinois

Application March 29, 1949, Serial No. 84,186
5 Claims. (Cl. 93—81)



1. The combination in a band forming machine, of a rotary spindle, a mandrel carried by said spindle and rotatable therewith, said mandrel having a peripheral opening communicating with a vacuum pump by way of a passageway through said spindle, a pressure roller adjacent said mandrel and movable bodily toward and away from said mandrel, said pressure roller and mandrel being operative conjointly to grip a strip of paper, the arrangement being such that a strip of paper fed to said mandrel is adhered thereto at its leading edge portion by external atmospheric pressure resulting from a partial vacuum within said passageway, the adherence of the paper to the mandrel being sufficient to cause the paper strip to be wound around the mandrel, an adhesive applicator operative to apply a coating of adhesive to the external leading marginal surface of the paper strip during passage of same around the mandrel, means operative in timed relation with the rotation of the mandrel to move said pressure roller into contact with the paper strip on the mandrel and to maintain said contact while the paper strip is being wound on the mandrel, said pressure roller being operative in conjunction with said mandrel to press together the two ends of the paper strip whereby to effect firm adherence therebetween, said last-mentioned means being further operative to withdraw said roller from contact with the paper strip following completion of the band, one or more ejector elements movable axiswise of said mandrel and operative when moved in one direction to engage one end of the paper band and eject the same from the mandrel, means operative in timed relation with said mandrel to actuate said ejector element following completion of each band, and further operative to retract said ejector element following each actuation thereof in the direction to eject a band, a mechanical feeder synchronized with said mandrel and oper-

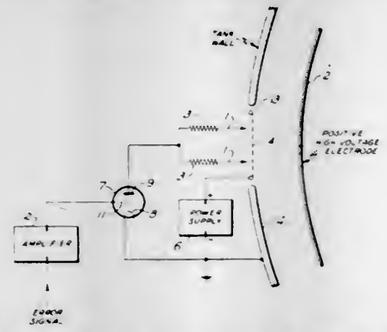
ative to feed strips of paper to said mandrel one at a time at the rate of one strip for every two revolutions of the mandrel, a continuous conveyor interposed between said feeder and said mandrel for transferring the strips of paper from the feeder to the mandrel, a gate normally obstructing the discharge end of said conveyor for delaying delivery of paper strips to said mandrel, and mechanism operative in timed relation with said mandrel for opening said gate at predetermined intervals so spaced apart and so interrelated with the movements of said ejector elements and said mandrel that each strip of paper is released to said mandrel after the mandrel has been cleared of a previously finished band and concurrently with the arrival of said peripheral opening at a position to effect registration with the leading edge portion of the strip.

2,548,452

CORONA TRIODE VOLTAGE REGULATOR

Clarence M. Turner, Stony Brook, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application September 1, 1950, Serial No. 182,849
8 Claims. (Cl. 315—326)



1. A corona discharge voltage regulator comprising an electrode whose voltage is to be regulated, a plurality of corona discharge needles directed toward said electrode at a predetermined distance therefrom, a grid electrode disposed adjacent said needles intermediate said needles and said electrode, power supply means impressing a potential difference between said grid and said needles whereby corona discharge is produced therebetween, said grid being maintained at a potential intermediate said needles and said electrode whereby a predeterminable fraction of said corona discharge extends from said needles to said electrode through said grid, and means to vary the potential difference between said grid and said needles in accordance with the potential of said electrode whereby the magnitude of said corona discharge and the fraction thereof reaching said electrode is varied to control the potential of said electrode.

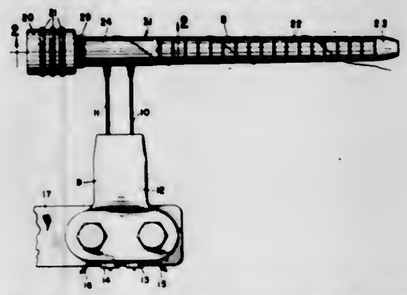
2,548,453

BOBBIN FOR WEFT DETECTING SYSTEMS

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 26, 1948, Serial No. 62,204
3 Claims. (Cl. 139—289)

1. In a weft bobbin for use with the electric weft detector of a loom, a bobbin body having an annular recess therein adjacent to the butt, the body having a weft carrying barrel, said recess terminating in a shoulder at the end thereof remote from the bobbin butt and adjacent to said barrel, a soft elastic electric current conducting ferrule in said recess, and a fin integral with the



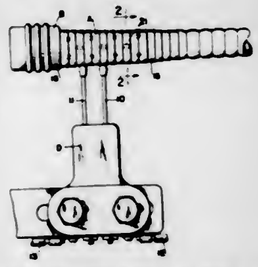
ferrule projecting over the shoulder and engaging the barrel to prevent the weft from moving to a position between the ferrule and shoulder.

2,548,454

WEFT BOBBIN AND METHOD OF MAKING THE SAME

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 27, 1949, Serial No. 89,860
8 Claims. (Cl. 139—289)



1. In a bobbin for an electric weft detecting system of a loom, said bobbin having a moisture absorbent body the size of which changes with the moisture content thereof, a layer of soft elastic material surrounding part of said body, and a metal ferrule surrounding said layer and spaced by the latter from said body.

2,548,455

CROSS LINKING

Joseph F. Walker, Westfield, and Stanley E. Kokowicz, Perth Amboy, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 20, 1949, Serial No. 105,908
10 Claims. (Cl. 260—233.3)

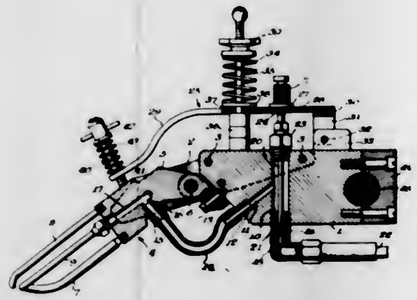
1. The process of cross-linking the molecules of of a substance taken from the group consisting of cellulose, regenerated cellulose and starch which comprises contacting the said substance with upwards of about 2% by weight of said substance of 2,5-dimethoxytetrahydrofuran in the presence of sufficient water to hydrolyze the 2,5-dimethoxytetrahydrofuran at a pH of between 2.0 and 6.0 and at a temperature of between 20° C. and 150° C.

2,548,456

PAINT STRIPING APPARATUS

Arthur L. Wells, Des Plaines, Ill.

Application July 7, 1948, Serial No. 37,446
6 Claims. (Cl. 91—12)



1. A striping apparatus comprising a frame, a plurality of striping devices mounted transversely of said frame in substantially a horizontal plane and in spaced relation, a support for a sheet of material to be striped, means for moving the sheet on the support below said striping devices and in contact therewith, each striping device in its inoperative position having a leading portion normally resting in a plane below that of the surface of said sheet and adapted to be raised by contact with said moving sheet and means associated with each striping device operative to start the flow of striping liquid therethrough and onto the sheet when said forward portion is raised by contact with the sheet and operative to stop the flow when said forward portion is lowered after the moving sheet has moved away from beneath said forward portion.

2,548,457

COAXIAL CONNECTOR FOR HIGH-FREQUENCY TRANSMISSION LINES

Harold M. Wilson, Lexington, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts

Application January 10, 1947, Serial No. 721,212
10 Claims. (Cl. 173—328)



1. A coaxial electrical connector comprising an inner conductor and an outer conductor each having a plurality of contact fingers for engagement with the fingers of a substantially identical connector, said fingers defining cylinders with each cylinder having fingers radially offset alternately to the inside and outside thereof, said outer conductor having an inwardly projecting key, and said inner conductor having an outwardly extending key; and an insulator disk having an outer recess fitting said first and an inner recess fitting said second key to provide rotational orientation so that the contact fingers of each conductor will registeringly engage the contact fingers of said identical connector.

2,548,458

RENEWABLE PLOW EDGE

Herbert J. Woock, Alhambra, Calif., assignor to Herbert E. Linden, Los Angeles, Calif.

Application January 26, 1946, Serial No. 643,760
2 Claims. (Cl. 97—125)



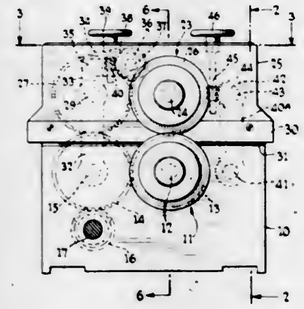
2. A renewable plow edge comprising a blade adapted to be positioned along the face of any of different makes of plowshares and having a socket adjacent one end adapted to receive the point of the plowshare, a plurality of spring fingers secured to the blade adjacent the other end thereof extending upwardly above the top edge of the blade, the fingers adapted to be sprung when a plowshare is inserted between the fingers and the blade to retain the blade on the plowshare, and a contour lug secured to the rear side of the blade adjacent the socket intermediate the socket and the fingers, said contour lug being welded to the rear side of the blade and being formed of stiff unyielding material and terminating short of the upper edge of the blade, the contour lug being adapted when a plowshare is inserted between the lug and the blade to positively clamp the blade against the plowshare to force the blade against the plowshare.

2,548,459

CUTTING APPARATUS

Frank J. Wood, Jr., New Rochelle, N. Y., assignor to Erwin Loewy, New York, N. Y.

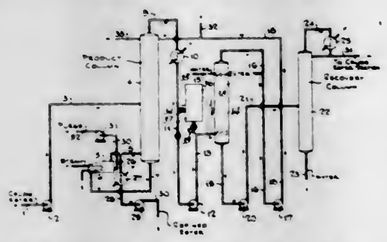
Application December 17, 1947, Serial No. 792,196
9 Claims. (Cl. 164—60)



9. In a rotary cutter shear or the like having a pair of cooperating rotary cutters, the combination comprising a first frame rotatably car-

rying one of said cutters, a second frame rotatably carrying the other of said cutters, a first connecting means having a pair of spaced links pivotally connected to said frames and adjustably movable relative to one of said frames so as to change the relationship of said frames and cutters in one direction relative to each other, and a second connecting means having spaced links, said second connecting means being spaced from said first connecting means, said second connecting means having mechanism connected therewith adapted to change the effective length thereof so as to vary the relationship of said frames and cutters in a direction differing from the movement caused by adjustment of the first connecting link means.

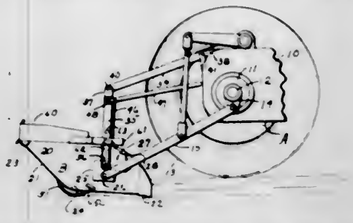
2,548,460
DISTILLATION OF SECONDARY BUTYL ACETATE FROM SECONDARY BUTYL ALCOHOL AND WATER
Erwin H. Amick, Jr., Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 3, 1947, Serial No. 758,845
2 Claims. (Cl. 202—42)



1. A process for the purification and recovery of secondary butyl acetate from a mixture thereof with minor proportions of secondary butyl alcohol and water, said mixture containing insufficient water to form a ternary azeotrope with all the alcohol and acetate, which comprises distilling the mixture in a fractionation zone at a temperature between the boiling point of the ternary azeotrope and the boiling point of the acetate so as to remove from the fractionation zone a distillate comprising the ternary azeotrope plus additional amounts of secondary butyl acetate and substantially all the secondary butyl alcohol extracting the distillate with water to form a raffinate consisting substantially of secondary butyl acetate and substantially free of secondary butyl alcohol and an extract containing substantially all of the secondary butyl alcohol from the distillate, refluxing the raffinate to a top part of the fractionation zone and removing as bottoms from the fractionation zone secondary butyl acetate substantially free of water and secondary butyl alcohol.

2,548,461
REVERSE SCOOP ATTACHMENT FOR TRACTORS
Bruno F. Arps, New Holstein, Wis.
Application March 18, 1946, Serial No. 655,134
4 Claims. (Cl. 37—128)

1. The combination of a tractor having a power lift, a scoop having side plates and a generally V-shaped bottom without an end gate, the bottom at its front end having a cutting blade, drawbars hingedly connected to the tractor at their forward ends and to the side plates of the scoop at their rear ends forward of the center of gravity, an inverted U-shaped member, the lower ends of the legs of which are pivoted to said side plates, a bracket secured to the transverse bar of said U-shaped member intermediate its ends, a push bar hingedly connected at its rear end to said bracket and at its forward end to the frame of the tractor, brackets on the side plates of the scoop having projections, dogs pivoted to the side legs of said U-shaped member adapted to engage said



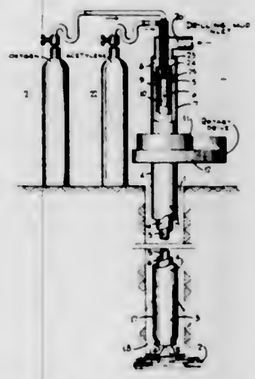
projections and hold the scoop in a loading position, a shaft pivoted to said U-shaped member near the top thereof having arms with link connections to said dogs, one of said arms extending forward to within reach of the operator of the tractor providing means for releasing said dogs and dumping the scoop, an operating connection from said power lift to said drawbars whereby the scoop may be raised and lowered.

2,548,462
PLANT CONTROL FOR HYDROELECTRIC GENERATORS
Burton P. Baker, Detroit, Mich.
Application June 12, 1946, Serial No. 676,179
8 Claims. (Cl. 290—30)



1. A control system for a hydroelectric plant having a water wheel, a main generator driven thereby, conductors for the current generated by the main generator across which loads are adapted to be placed, a gate for controlling the supply of water to the wheel, and operating means for the gate; a low voltage system including a generator operable by the wheel, a reversible motor for driving the gate operating means, a low voltage control circuit, a control switch in the circuit, and a solenoid in the control circuit, switch means closable upon the placing of a load across the conductors for the current generated by the main generator for energizing the said solenoid for closing the control switch to operate the low voltage motor in a direction for opening the gate.

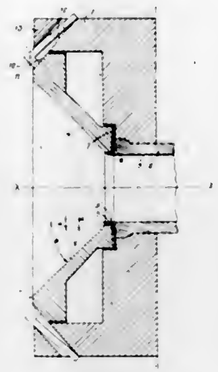
2,548,463
THERMAL SHOCK DRILLING BIT
Robert H. Blood, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 13, 1947, Serial No. 791,553
3 Claims. (Cl. 255—61)



1. Apparatus for the drilling of hard formations comprising a rotatable elongate casing provided with a plurality of separate passageways at least one of which is adapted to conduct cooling fluid to the lower end of said casing and others of which are adapted to conduct combustible gases and combustion supporting gases to the lower end of said casing, a plurality of nozzles affixed adjacent the lower portion of said casing and extending in a generally downward direction therefrom, said nozzles being arranged in circumferential relation about the lower end of said casing, alternate nozzles communicating with the passageway adapted to conduct cooling fluid and the remaining nozzles communicating with the passageways adapted to conduct combustible gases and combustion supporting gases, and a metallic bit affixed to the bottom of said casing and extending below said nozzles.

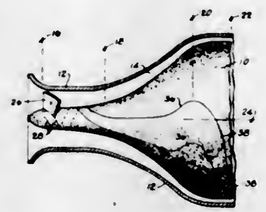
2,548,464
END DAM FOR CENTRIFUGAL PIPE MOLDS
Jacques Boucher, Paris, France, assignor to Compagnie de Pont-A-Mousson, Nancy, France, a French company
Application July 2, 1948, Serial No. 36,790
In France January 20, 1948
1 Claim. (Cl. 22—113.5)

A dam for the bell end of molds for centrifugally casting bell end pipe, said dam comprising in combination, on the one hand, an annular body having a portion thereof adapted to abut the end of a mold in which pipe is to be cast, said portion having an axial opening, adjacent the abutting mold opening, of frusto conical shape which tapers outwardly of the mold, the angle formed by the generatrices of the wall of said opening with the longitudinal axis of said mold and dam being no greater than 10°, and an additional frusto-cone on the interior face of said annular body, extending outwardly from said axial opening of frusto conical shape, the generatrices of the wall of said additional frusto-cone forming an angle of at least 45° with the longitudinal axis of said dam and mold, and, on the other hand, a flanged frusto-conical bushing of refractory material which lines said axial opening of the dam and the adjacent wall thereof abutting the mold, the smaller diameter of the conical portion of said



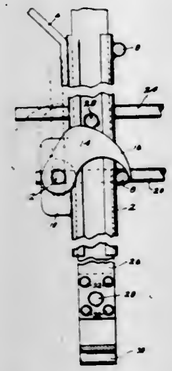
bushing corresponding substantially in diameter with the internal diameter of the major portion of the pipe to be cast, and the wall of said conical portion forming an angle of no more than 10° with the longitudinal axis of the mold and dam.

2,548,465
COMPRESSOR
Harry W. Burdett, Ridgewood, N. J., and Frank B. Page, Manchester, Conn., assignors to Wright Aeronautical Corporation, a corporation of New York
Application November 27, 1946, Serial No. 712,582
4 Claims. (Cl. 230—119)



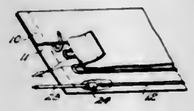
1. A centrifugal compressor comprising a rotatable member; a shroud radially spaced from said rotatable member to provide an annular fluid flow space therebetween, said annular space having a portion flaring radially outwardly in a downstream direction relative to fluid flow therethrough and merging at its downstream end with a substantially axially extending portion of said annular space; and a plurality of ribbon-like vanes secured to said rotatable member and projecting across said space toward said shroud to divide said space into a plurality of fluid flow paths; each of said ribbon-like vanes being substantially co-planar with the axis of said rotatable member along the upstream end of the outwardly flaring portion of said annular space, and, along the downstream end of said outwardly flaring portion, said vanes being curved about said axis in the direction of rotation of said rotatable member, and, along the axially extending portion of said annular space, said vanes being curved about said axis in the opposite direction.

2,548,466
FIRE ESCAPE
Herbert M. Carlsen, Spokane, Wash.
Application May 22, 1948, Serial No. 28,697
1 Claim. (Cl. 228—65)



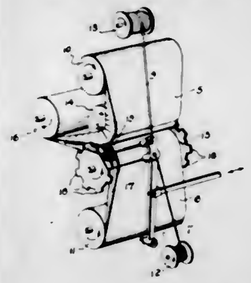
In the fire escape described, the combination with a pair of spaced channel bars united by outer rungs rigid with their front edges, an extension ladder having central rungs and mounted in the channel bars, and bearing plates rigid with the rear edges of the channel bars, of a shaft journaled in said plates and a normally horizontal handle for the shaft, a pair of spaced supports rigid with the shaft each of said supports having extensions with an inner arcuate edge fitted around and frictionally engaging over an outer rung and an outer cam edge increasing in radius toward its outer end fitted under and frictionally engaging a vertically spaced central rung, whereby tilting of the handle from a horizontal position to a vertical position will cause the cam edge to exert great lifting pressure upon said vertically spaced central rung to raise the extension ladder and free it for gravity drop.

2,548,467
ELECTRIC BED WARMER AND METHOD FOR PRODUCING SAME
George W. Crise, Danville, Ohio
Application September 15, 1947, Serial No. 773,964
6 Claims. (Cl. 219—46)



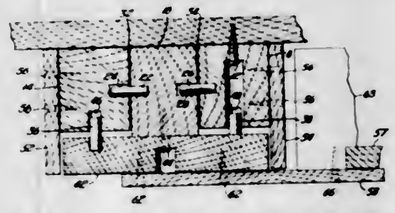
2. A flexible electrical heating device comprising a plurality of porous fabric plies, a continuous electrical resistance wire disposed in relatively spaced transverse convolutions between a pair of adjacent plies, and an outer covering of flexible dielectric material carried on said resistance wire and firmly uniting the same throughout its length with said pair of plies, said outer covering being fused within the fabric of said plies and being confined substantially to the regions of said resistance wire whereby to prevent impairment to the porosity of said plies.

2,548,468
METHOD OF PRODUCING ELECTRIC BED WARMERS
George W. Crise, Danville, Ohio
Application February 26, 1948, Serial No. 11,136
1 Claim. (Cl. 219—46)



In the construction of flexible, electrically heated bed warmers, the method which comprises simultaneously stringing alternately spaced continuous strands of electrical resistance wire and flexible fusible dielectric bonding material transversely between a pair of longitudinally convergent porous fabric sheets, each transverse length of resistance wire and fusible bonding material being connected at one end by a loop with a successive transverse length to provide separate continuous grids of wire and bonding material arranged in longitudinally staggered relation throughout substantially the length of said sheets, the end loops of wire and bonding material overlapping one another substantially along the side edges of said sheets; progressively fusing each transverse length of bonding material along the line of convergence of said sheets; applying compressive forces to said sheets while said bonding material is fused to cause the bonding material to impregnate said sheets along transversely disposed longitudinally spaced seams; and thereafter causing said bonding material to set and firmly unite said sheets along a plurality of transversely disposed longitudinally spaced seams and to loosely confine each transverse length of resistance wire between said sheets and between successive seams of bonding material.

2,548,469
EXTENSION TABLE WITH PIN AND GROOVE SLIDES
Abris De Gaal, Manhasset, N. Y.
Application June 18, 1947, Serial No. 755,280
1 Claim. (Cl. 311—69)



In an extensible table having two relatively movable top portions, a slide structure for use in extending or shortening the table comprising, in combination, a first fixed slide secured to one table top portion and extending beyond the edge thereof, a second fixed slide secured to a second table top portion and extending beyond

the edge thereof in overlapping relation to said first fixed slide, a floating slide extending longitudinally of and spaced between said fixed slides and movable relative thereto and unattached to either of said movable table top portions, said fixed slides having vertical longitudinal grooves in the lower faces thereof, said first fixed slide having a longitudinal groove in the face thereof adjacent said floating slide and said floating slide having a horizontal longitudinal groove in the face thereof adjacent said second fixed slide, horizontal cylindrical bearing pins rigid, respectively, with said floating slide and said second fixed slide and extending into the adjacent horizontal grooves in said first fixed slide and said floating slide, respectively, and freely movable in said grooves, said cylindrical pins having line contact only with said slides in said horizontal grooves, a base plate secured to the lower surface of said floating slide, and vertical cylindrical pins secured to said base plate and extending into said vertical grooves and freely movable therein and having line contact only with said fixed slides in said vertical grooves.

2,548,470
LAMINATED SPLINT
Charles Eames, West Los Angeles, Calif., assignor, by mesne assignments, to Herman Miller Furniture Company, Zeeland, Mich., a corporation of Michigan
Original application May 28, 1942, Serial No. 444,774. Divided and this application February 25, 1946, Serial No. 649,853
10 Claims. (Cl. 128—89)

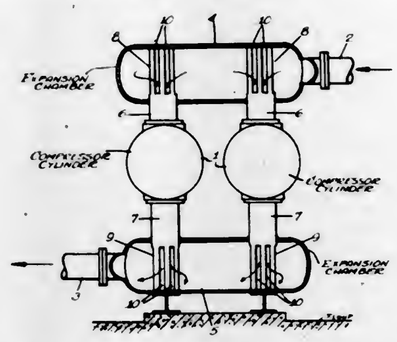


3. In a sheet-like article of manufacture, a compoundly curved, dome-like surface conforming to a selected configuration; said sheet-like article being composed of veneers of wood bonded together in laminar relationship, each of a plurality of such veneers including an opening therethrough and spaced from its peripheral boundary and only one cut extending from each such opening to said boundary.

2,548,471
LUBRICATING MEANS RESISTANT TO CHEMICAL ATTACK
John F. Gall, Narberth, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 30, 1948, Serial No. 52,139
6 Claims. (Cl. 252—58)

1. In processes for handling highly reactive materials involving contact of such materials with surfaces designed to be moved relatively to each other, the improvement that comprises maintaining, as lubricant between said surfaces, a liquid composition containing metal fluoride and hydrogen fluoride, said composition containing from 1 to 7 mols hydrogen fluoride per mol metal fluoride.

2,548,472
COMPRESSOR PULSATION DAMPENER
Harold D. Gibson, New Brighton, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 19, 1947, Serial No. 792,749
3 Claims. (Cl. 230—236)

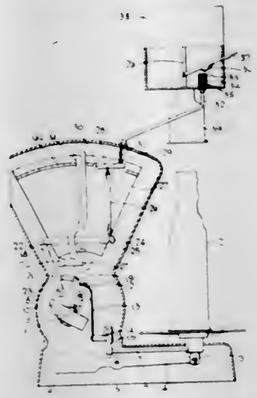


1. A pulsation dampener assembly for handling gaseous fluid materials comprising a walled expansion vessel, a conduit connection opening through one walled portion of said vessel, a diffuser element having an inner end and an outer end, with respect to the expansion vessel, extending through another wall of said vessel in fluid-tight connection therewith, the inner end of said element terminating in supporting contact with an opposite inner wall portion of said vessel, the outer end terminating and opening outwardly beyond the vessel, and a plurality of diffuser passageways in said element within the vessel partially restricting fluid-flow through said element and vessel.

2,548,473
AUTOMATIC WEIGHING MACHINE
Albion Henry Gregory, London, England, assignor to Standard Oil Development Company, a corporation of Delaware
Application July 18, 1946, Serial No. 684,589
In Great Britain July 23, 1945
10 Claims. (Cl. 249—55)

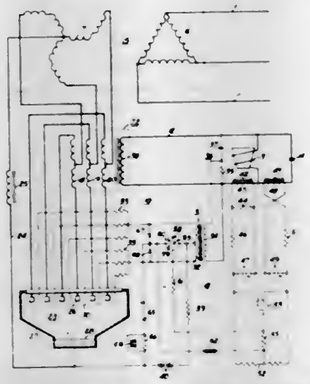
1. In combination with supply means for filling a container including a control valve in such supply means and a means to operate said valve, apparatus for selectively weighing the material filled into the container comprising a scale platform mounted in a weighing machine for vertically reciprocal movement therein, said platform adapted to support and position a container to be filled with reference to the supply means, primary and secondary balance weights pivotally supported in said machine counterbalancing the weight of said platform, the container, and the container contents when filled, a calibrated scale in said machine, an indicator arm moveable with reference to the scale to indicate the weight of material filled into a container on said platform, said arm normally at rest in the zero position of said scale, a primary mechanical linkage system operably connecting said arm and the secondary balance weight, whereby motion of the latter may move the indicating arm with reference to

the scale, but normally out of engagement with the arm, a second mechanical linkage system connected to said primary linkage system, means actuated by said valve operating means through said second linkage system to engage said primary linkage system with the indicating arm during filling of the container, and to again disengage



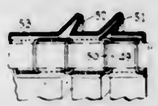
said elements when the desired weight of filled material is attained, and means for normally maintaining said arm in a zero position with reference to the calibrated scale, and to automatically return the arm to such position after disengagement of the primary linkage system therefrom.

2,548,474
DIFFERENTIAL GRID BLOCKING SYSTEM FOR ELECTRONIC FREQUENCY CHANGERS
Alfred J. Hansen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application May 31, 1950, Serial No. 165,211
21 Claims. (Cl. 321—66)



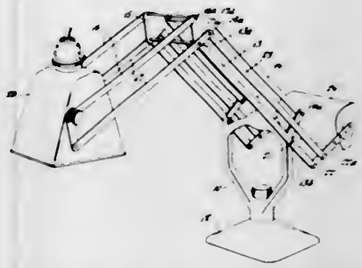
1. In combination, an alternating current supply circuit, an alternating current load circuit, an inductive load and a capacitive load connected to said load circuit, frequency converting means interconnecting said supply and load circuits comprising a plurality of electric valves having a plurality of control electrodes and at least one cathode, phase shifting means connected with said load circuit for impressing on each said control electrode an alternating control potential component to sustain oscillations in said load circuit, and means responsive to the initiation of a fault in at least one of said valves for impressing a blocking potential on said control electrodes comprising means differentially responsive to the flow of current in said load circuit and to the flow of current in one of said loads.

2,548,475
MEANS FOR FORMING PLEATS
Alexander McD. Hess, New York, N. Y.
Application December 8, 1945, Serial No. 633,640
1 Claim. (Cl. 160—348)



The combination with a drape, of a ribbon extending along said drape, a zigzag cord superposed upon said ribbon, portions of said cord disposed longitudinally of the ribbon and portions disposed transversely, said drape, ribbon and cord being secured together, the longitudinal portions of said cord being secured, but transverse portions of said cord being left free to form straps beneath which a curtain rod or pole may be inserted, said drape and ribbon being bent outwardly to form pleats about predetermined transverse portions of the cord whereby transverse portions of the cord spaced apart by one transverse portion are brought into proximity and one is protruded through the other.

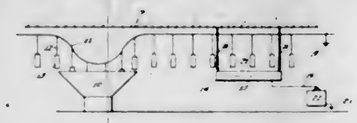
2,548,476
BRACKET
Frederick G. Horstmann, Guildford, England; Kathleen Mary Elizabeth Quicke Horstmann and Harold Herbert Norris executors of said Frederick George Quicke Horstmann, deceased
Application October 15, 1947, Serial No. 780,000
In Great Britain November 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1964
5 Claims. (Cl. 248—281)



1. A mounting for supporting an inspection lamp, which comprises, in combination: a supporting base a first parallel linkage system, said parallel linkage system being adapted, at one end thereof, to support said inspection lamp; a second parallel linkage system connected at one end thereof to the end of said first parallel linkage system which is remote from said end thereof at which said inspection lamp is supported, and the other end of said second parallel linkage system being connected to said supporting base;

a third parallel linkage system connected at one end to said first and second parallel linkage systems, said third parallel linkage system comprising two pairs of links, one pair thereof being connected at one end of said first pair of links to said first parallel linkage system, and the second pair thereof being connected at one end of said second pair of links to said second parallel linkage system; and a counterbalancing weight carried by said third parallel linkage system at the ends of the said pairs of links thereof remote from the ends to which said first and second parallel linkage systems are connected, the inclination of one pair of links of said third parallel linkage system being thus controlled by movement of said first parallel linkage system, and the inclination of the other pair of links of said third parallel linkage system being thus controlled by movement of said second parallel linkage system.

2,548,477
ELECTROSTATIC COATING APPARATUS
Charles Kahan, Los Angeles, Calif.
Application July 23, 1945, Serial No. 606,539
6 Claims. (Cl. 91—18)



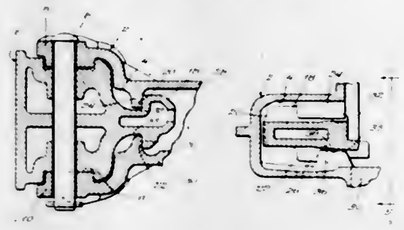
1. In apparatus for coating a series of articles with a liquid coating, a conveyor for moving said articles successively over a predetermined path, an electrode spaced laterally from said path, means for maintaining a high electrical potential difference between said electrode and said articles as the latter move past the electrode, and an insulating screen disposed in such spaced relation between said electrode and the articles moving past it as to limit the approach of the articles to the electrode to a minimum distance greater than that across which a spark can jump in air from the articles to the electrode at the potential difference maintained between them.

2,548,478
APPARATUS FOR COUNTING BACTERIAL COLONIES
Frederick W. Kavanagh, New York, N. Y.
Application May 19, 1949, Serial No. 94,219
2 Claims. (Cl. 235—64)



1. A device for counting bacterial colonies scattered throughout a layer of transparent material in a shallow dish, comprising an elongated cylindrical housing having a pair of opposed slots formed inwardly from one end thereof, a fountain pen having a pair of oppositely disposed and outwardly extending lugs secured to said pen at a point spaced from the point thereof, said pen being loosely retained within the housing with the lugs cooperating with said slots, a collar removably fastened to the slotted end of said housing to retain the lugs in engagement with the slots, spring means insulatingly mounted in the other end of said housing and engaging the inner end of said fountain pen, a contact mounted on said spring means, a fixed contact insulatingly mounted in cooperation with the first said contact, said contacts being adapted to open and close in response to pivotal movement of the fountain pen within the housing produced by the application of pressure to the point of said pen, and also being adapted to be connected to an electromagnetic counter responsive to the actuation of said contacts.

2,548,479
COUPLER
Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 3, 1948, Serial No. 36,877
7 Claims. (Cl. 213—152)



1. An automatic coupler comprising a coupler head having a guard arm at one side thereof, spaced top and bottom ears at the opposite side thereof, and a cavity extending rearwardly from between said ears and adapted to house associated knuckle throwing and knuckle locking means, a knuckle having a portion extending between and pivotally connected to said ears and frictionally supported by the bottom ear, said knuckle having a tail portion extending rearwardly from the first-mentioned portion, top and bottom pulling lugs on said tail portion, top and bottom pulling lugs on said head within said cavity disposed forwardly of the tail portion pulling lugs and adapted to cooperate therewith during pulling forces on said knuckle, and cooperating surfaces on the bottom pulling lug of the head and the knuckle tail portion affording support for said knuckle tail when the frictionally engaged surfaces of the knuckle and bottom ear have been worn in, said cooperating surface sloping downwardly and outwardly of said cavity toward the guard arm.

2,548,480
FUNGICIDAL COMPOSITIONS CONTAINING NITRO-METHANAL PHENYL HYDRAZONES
Allen R. Kittleson, Cranford, and Miller W. Swaney, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 22, 1948, Serial No. 28,757
7 Claims. (Cl. 167—30)

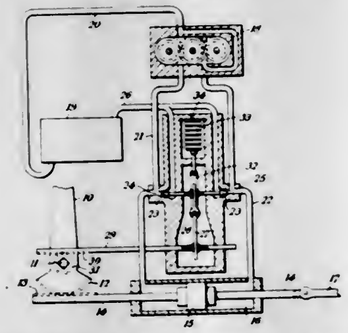
1. A fungicidal composition comprising a hydrazone selected from the group consisting of nitro-methanal phenyl hydrazone and nitro-methanal p-dimethylamino phenyl hydrazone as the active ingredient admixed with a dispersing agent which lowers the surface tension of water and thereby promotes aqueous colloidal dispersions of the hydrazone.

2,548,481

FLYING CONTROL FOR AIRCRAFT

Henry Knowler, Ryde, and Arthur Edward Swain, East Cowes, Isle-of-Wight, England, assignors to Saunders-Roe Limited, East Cowes, Isle-of-Wight, England

Application November 29, 1947, Serial No. 788,868
In Great Britain October 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 16, 1966
9 Claims. (Cl. 244—83)



1. In an aircraft, the combination with a control member, movable in opposite directions from a neutral position for the purpose of imparting movement to a control surface, of a hydraulic feel generator, said feel generator comprising a piston, a housing containing and shaped to fit said piston, outlets in said housing at opposite sides of said piston, a connection between said control member and said piston for moving said piston in said housing in a direction determined by the direction of movement of said control member to expel liquid through one of said outlets, valve mechanism for controlling the effective areas of said outlets, an operative connection between said control member and said valve mechanism for imparting movement to said valve mechanism to reduce, progressively with movement of said control member from neutral position, the effective area of that outlet through which said piston is expelling liquid, a device responsive to changes in airspeed of the aircraft, and a member operated by movement of said responsive device for modifying said operative connection in accordance with changes in airspeed, so as to increase, progressively with increase in airspeed, the movement imparted to said valve mechanism by said control member.

2,548,482

VERTICALLY ADJUSTABLE CROP SPRAYING ATTACHMENT

Frank Kouril, Springfield, Mass.

Application October 2, 1947, Serial No. 777,557
2 Claims. (Cl. 299—30)



1. A removable spraying apparatus for a spraying machine having a frame, a tank and pump on the frame, and pipe connections between said tank and an inlet of said pump; said apparatus comprising a cylindrical mast removably and vertically supported on said frame, a collar slidably supported on said mast, a substantially horizontal, hollow boom having one end closed and rotatably mounted on said collar on a vertical axis and the opposite end plugged, said boom being provided, between said ends, with a plurality of spaced spray heads, flexible hoses communicating with an outlet of said pump and the interior of said hollow boom, a collar slidably supported on said boom adjacent said plugged end, a winch revolvably supported on the top of said mast, and a cable connecting said last named collar and said winch.

2,548,483

CLAMPING MEANS AND DEVICE PROVIDED THEREWITH

Aleck Leitman, Miami, Fla.

Application May 31, 1946, Serial No. 673,475
3 Claims. (Cl. 211—89)



1. A device for resiliently clamping articles or objects, comprising cooperating members having parts disposed in spaced confronting relation and with adjacent ends of said members at one end of the latter spaced from each other to provide an end-opening to the space between said parts, said adjacent ends being free of mutual displacement and said opening being of constant width, said members being rigidly fixed to each other at their other ends, and a strip of resilient material secured adjacent each end thereof to said part of one of said members at points spaced longitudinally of said one member, said resilient strip being in longitudinally curved form in the space between said two points and extending, in said curved form, longitudinally of said parts of said companion members between said points of securement and projecting from said one of the parts toward the other of said parts in position to resiliently engage and hold an article inserted into said space through said end-opening, the longitudinally curved portion of said resilient strip between said longitudinally spaced points of securement being flexibly movable along its length in a direction transversely of the space between said parts to permit the insertion of the article through said end-opening to a position between said resilient strip and the adjacent confronting portion of said part of the companion space-defining member while said members are held rigidly together at said other ends thereof.

2,548,484

SIGNAL TAB-REMOVING DEVICE

Harry A. Levee, New York, N. Y.

Application July 3, 1945, Serial No. 602,998
2 Claims. (Cl. 101—1)

1. A machine for removing detachable tabs from an addressing plate comprising a casing formed with a slot, a pair of parallel contiguous rollers within the casing, said rollers being adapted to coact to grasp and pull the tabs inserted between them, said slot being located in a plane passing through the meeting line of said rollers, said slot being adapted to receive an addressing plate, means at the ends of the slot to guide the edges of the addressing plate, stop means to arrest movement of the addressing

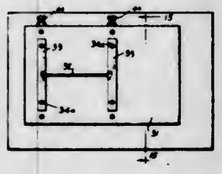


plate toward said rollers, one of said rollers having a knurled outer periphery, and means to rotate said rollers in opposite directions, and means to resiliently press said rollers toward each other.

2,548,485

COMBUSTION CHAMBER LINING

Isaac Lubbock, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 8, 1947, Serial No. 720,896
In Great Britain January 9, 1946
12 Claims. (Cl. 263—44)



1. A combustion chamber having a chamber wall and a liner comprising a plurality of hollow ribs extending inwardly from said wall, each rib having a pair of side walls, one on either side of an intervening hollow space, the outer surfaces of said side walls diverging gradually from said wall and the adjacent outer surfaces of adjacent ribs converging toward each other away from said wall to define recesses bounded by said wall and said surfaces of the ribs; and strips of refractory material located in said recesses and shaped to be retainingly keyed within the respective recesses throughout a substantial thickness of said strips.

2,548,486

PRODUCTION OF INDUSTRIAL GAS

Charles S. Lynch, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 15, 1946, Serial No. 710,236
3 Claims. (Cl. 48—196)

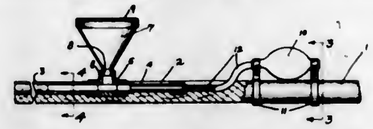
1. A method for converting a hydrocarbon gas into an industrial gas containing carbon monoxide which comprises continuously feeding said hydrocarbon to a reaction zone, continuously feeding to said zone a finely divided mixture of zinc oxide and a substance selected from the group consisting of iron and reducible oxygenated iron compounds, the zinc oxide amounting to 85 to 95% of the mixture regulating the rate of feed of said finely divided material and the rate of feed of said hydrocarbon so as to maintain in said reaction zone a suspension of said finely divided material in the gaseous atmosphere therein containing at least about 6% by volume of said finely divided material, maintaining said reaction zone at a temperature between about 1500° and 1700° F. and withdrawing from the said reaction zone a product gas containing carbon monoxide.

2,548,487

POLLENIZING DEVICE

Ira A. Marchant and Edwin P. Johnson, Oroville, Wash.

Application April 27, 1946, Serial No. 665,602
2 Claims. (Cl. 47—1)



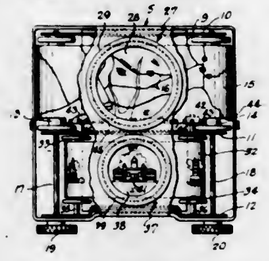
1. A pollenizing device comprising a pole formed with a longitudinally extending groove, a tube extending longitudinally in the groove, a coupling intermediate the length of said tube having an upstanding arm, a container tapered downwardly and having a neck at its lower end engaged with the arm for delivering powder into the tube, a removable cap for said container, a hose extending longitudinally of the pole and having its front end attached to the rear end of the tube, a bulb at the rear end of said hose, and clamps about the pole holding the bulb against the pole.

2,548,488

MOVING ROUTE INDICATOR

Harry C. Mella, Fairfield, Conn.

Application December 4, 1947, Serial No. 789,634
4 Claims. (Cl. 40—86)



1. A route indicator of the character described comprising a flexible strip provided with a map of the route to be followed, a viewing means, means for shifting the strip past the viewing means, a second strip provided with designations of specific land marks along the route, a viewing means for the second strip, and means for shifting the second strip past its viewing means in synchronism with the first strip comprising a series of spaced groups of openings in the first strip, a toothed wheel in position to intermittently mesh therewith, and means operated by the toothed wheel for shifting the second strip.

2,548,489

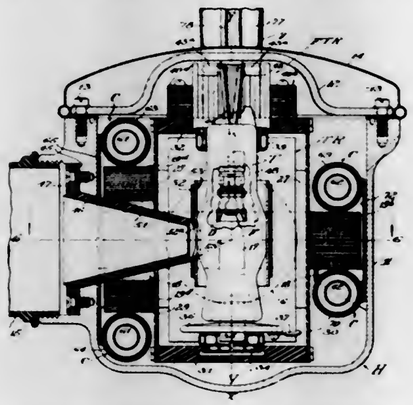
X-RAY APPARATUS

Montford Morrison, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware

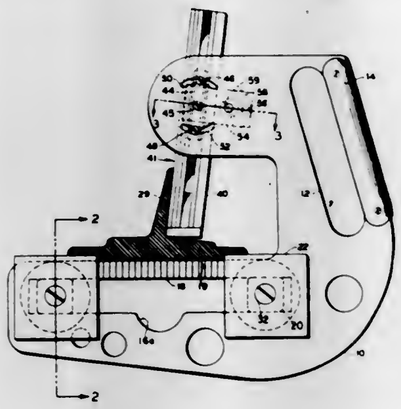
Application December 20, 1946, Serial No. 717,541
5 Claims. (Cl. 250—87)

1. An X-ray device comprising a casing having a window in the side thereof and mounted for rotation about a vertical axis and about a horizontal axis, an X-ray tube having an anode and a cathode, said X-ray tube being mounted in said casing with its principal axis in line with said vertical axis, and a transformer including a core for energizing said X-ray tube, said trans-

former being mounted at said horizontal axis with the core thereof surrounding the focal spot of said X-ray tube and having an opening to permit the emergence of X-rays therethrough, said anode being disposed so that a plane providing uniform definition by the emanating X-ray beam lies in a plane substantially parallel to said horizontal axis and so that a substantial part of said X-ray beam can pass through said opening and said window.

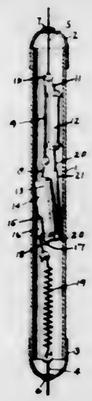


2,548,490
DEPTH AND ANGLE GAUGE
Oscar A. Muller, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application November 1, 1944, Serial No. 561,341
5 Claims. (Cl. 33—174)



1. A gauge comprising: a body portion providing a base plane for work to be checked; a guideway in said body portion parallel to said base plane; gauge blocks each having a laterally projecting part adapted to be received in and accurately positioned by said guideway, and a plurality of operative surfaces any one of which may be brought into position to extend above said base plane to a distance different for each surface and engage against the test piece to maintain it at a known distance above the base plane, the correctness of the distance determining the accuracy of the test piece at the point of engagement; a threaded stem having a head sliding in a bore in said gauging block and laterally projecting part, a retaining member into which said stem is screwed and engaging against the opposite side of the gauge to said gauge block; a shoulder projecting inwardly toward the stem from said laterally projecting part; resilient means positioned between said head and said shoulder thereby permitting the gauge block to be withdrawn laterally and turned into position to bring a desired face into operation and released to again position the laterally projecting part of said gauging block in the guideway.

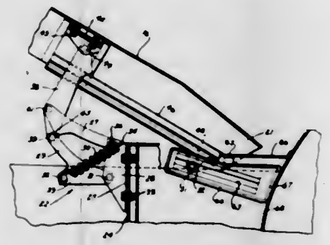
2,548,491
LOW-CURRENT FUSE
Sandford Christopher Peek, Jr., Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 28, 1950, Serial No. 141,031
6 Claims. (Cl. 175—294)



4. A high-voltage low-current pulse fuse comprising a graphite resistor rod, an insulating tube enclosing said rod except at one portion thereof, a fusible metal mass spaced from, but in close proximity to, said resistor rod at said portion thereof, two metal connecting pieces held together by said fusible mass, a coiled spring connected to and tending to pull one of said connecting pieces away from said fusible metal mass, the other of said connecting pieces extending to an end of said resistor, a condenser connected in shunt to said resistor, an enclosing insulating envelope, and a terminal connection at each end of said envelope, one of said terminals being connected to one end of said resistor, the other being connected to one end of said spring.

2,548,492
HOOD HINGE AND GUIDE MECHANISM
Lawrence B. Rivard, Dearborn, and Ervin P. Rauh, Wixom, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 15, 1945, Serial No. 635,160
10 Claims. (Cl. 180—69)

3. In a hood construction for the engine compartment of a vehicle body, a closure for said compartment, said closure having a generally horizontal central portion and generally vertical side portions on each side of said control portion with the side portions having flanges extending beyond the rearward edge of said central portion, hinge means carried by said body and connected to the central portion of said closure and guiding said central portion upwardly in a predetermined path, upwardly inclined longitudinally extending guides mounted on opposite sides of said body adjacent the rearwardly extending flanges of said side portions, and studs carried by said flanges and slidably received within said guides.



2,548,493
ESTERS OF TRIMETHYLADIPIC ACID
Richard F. Robey, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 3, 1948, Serial No. 42,329
4 Claims. (Cl. 260—485)

1. As a new composition of matter a fully esterified trimethyladipic acid, the esterifying radicals being alkyl radicals each containing 1 to 18 carbon atoms, the two esterifying radicals together containing a total of 12 to 36 carbon atoms.

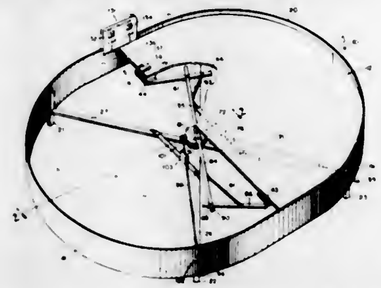
2,548,494
ESTERS OF TRIMETHYLADIPIC ACID
Paul V. Smith, Jr., Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 3, 1948, Serial No. 42,335
7 Claims. (Cl. 260—485)

1. As a new composition of matter a fully esterified trimethyladipic acid, formed by esterifying trimethyladipic acid with at least one monohydric aliphatic alcohol of the general formula

RXR'OH

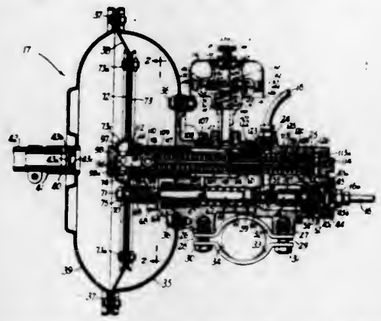
where R is a member of the class consisting of (1) alkyl groups containing 1 to 18 carbon atoms each, and (2) organic groups each consisting of a series of aliphatic hydrocarbon radicals interlinked by non-carbon atoms selected from the group consisting of oxygen and sulfur, the number of said non-carbon atoms not exceeding 5 and the total number of carbon atoms and said non-carbon atoms in radical R being from 4 to 18, wherein there are at least two carbon atoms between each pair of said non-carbon atoms and between the atom X and the first such non-carbon atom; X is an element of the group consisting of oxygen and sulfur; and R' is a saturated aliphatic hydrocarbon group of 2 to 3 carbon atoms; the total number of carbon and said non-carbon atoms in the two RXR'— groups attached to the acid radical being at least 12.

2,548,495
MAGNETIC RACING GAME DEVICE
Russell L. Robins, Brooklyn, N. Y.
Application July 9, 1947, Serial No. 759,824
3 Claims. (Cl. 273—86)



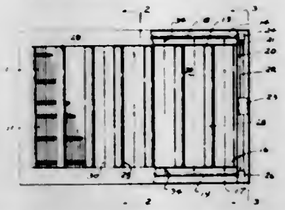
1. Amusement apparatus comprising a table-like member, a track secured beneath said table-like member, shoes movable along said track, means for propelling each shoe comprising a pair of jointed arms, one pair for each shoe, means including a tension spring for each pair of arms for maintaining its respective shoe in position on said track, gear means for rotating said pair of arms for each shoe, and externally exposed manually operable means for imparting rotation to said gear means.

2,548,496
SERVOMOTOR AND VALVE DEVICE
Edward A. Rockwell, Cleveland, Ohio
Application February 17, 1943, Serial No. 476,245, now Patent No. 2,388,220, dated October 30, 1945, which is a division of application Serial No. 388,003, April 11, 1941, now Patent No. 2,398,252, dated April 9, 1946. Divided and this application October 28, 1944, Serial No. 560,865
18 Claims. (Cl. 60—54.5)



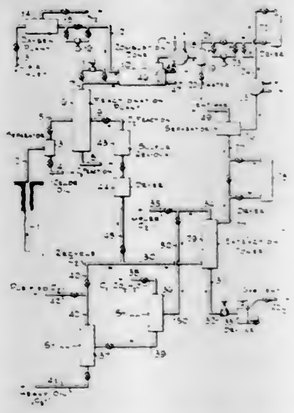
17. A power mechanism comprising, means for applying power including a power motor, a piston connected for operation by the motor and a piston cylinder for producing a hydraulic pressure, an outlet connection from said means for the performance of work, an inlet connection for applying a range of manual pressure to said means capable of exceeding the pressure produced by the power means, and means including a fluid valve associated with said piston, arranged and constructed to prevent the retraction of the power actuated piston when the manual pressure exceeds the power applying pressures, said manually applied pressure and power applied pressures being hydraulically connected together.

2,548,497
ELECTROSTATIC PRECIPITATOR
William J. Roos, Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1948, Serial No. 52,360
8 Claims. (Cl. 183—7)



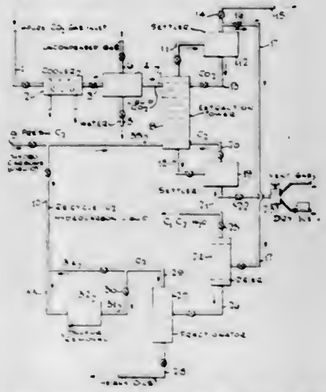
1. An electrostatic precipitator comprising a rectangular casing having opposite walls defining a gas passage having a gas inlet, inner walls spaced from said walls at said inlet, elongated electric insulators having ends extending into the spaces between said inner and opposite walls, ionizer wire supporting members attached in said spaces to said ends of said insulators, relatively large ionizer electrodes extending between said inner walls, said inner walls having cut-out portions between said electrodes, and relativly small ionizer wires attached to said members and extending through said cut-out portions.

2,548,498
PRODUCTION OF DRY ICE FROM NATURAL GAS
Robert P. Russell and Walter H. Rupp, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 17, 1948, Serial No. 8,767
4 Claims. (Cl. 62—170)



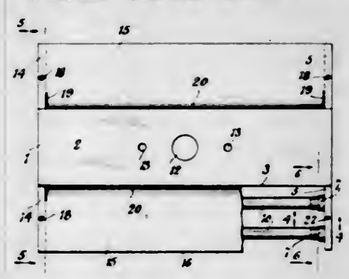
1. The process of producing Dry Ice from petroleum and natural gas well fluids, which comprises separating said fluids into at least a C_1 and C_2 fraction, burning said C_1 fraction, using oxygen of at least 95% purity to produce carbon dioxide, liquefying said carbon dioxide, purifying the said C_2 fraction, contacting the C_2 fraction in liquid phase with the liquefied carbon dioxide fraction, at a pressure of about 300 to 1100 pounds per square inch withdrawing liquid carbon dioxide after said contact, and sharply dropping the pressure under which the liquid carbon dioxide is maintained, whereby evaporation and cooling of the carbon dioxide occurs with consequent formation of carbon dioxide snow, and compressing said carbon dioxide snow.

2,548,499
CARBON DIOXIDE PURIFICATION PROCESS
Walter H. Rupp, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 17, 1948, Serial No. 8,844
8 Claims. (Cl. 23—150)



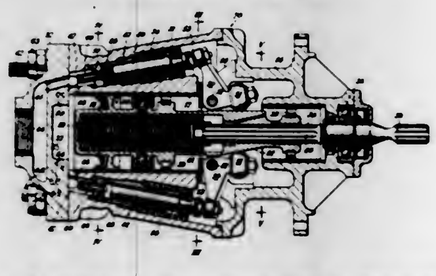
8. A process for the purification of carbon dioxide in which impure liquefied carbon dioxide is intimately contacted with liquefied hydrocarbons selected from the group consisting of hydrocarbons having 2 to 4 carbon atoms inclusive, whereby the said impure carbon dioxide is substantially purified of sulfur compounds, water and heavy oils.

2,548,500
FLUORESCENT LIGHTING FIXTURE
Morris Sachs, New York, N. Y.
Application June 18, 1949, Serial No. 99,933
1 Claim. (Cl. 240—51.11)



A lighting fixture comprising, a central, elongated, substantially rectangular housing, a pair of arms at each end of the housing inclined upwardly from horizontal and projecting laterally from the sides of the housing, said arms being hollow and being in communication with the interior of the housing, lamp sockets secured to the inner faces of the arms to support fluorescent lamps between the arms at one end of the housing and the arms at the other end, a separate reflector at each side of the housing and supported by one of the arms at one end of the housing and another of the arms at the other end of the same, the reflectors being curved along one edge and provided with a flange at the other edge to fit over the ends of the arms, and means for attaching the reflectors either above or below the fluorescent lamps.

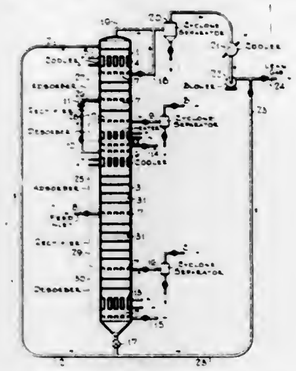
2,548,501
HYDRAULIC PUMP
Thomas Simpson, Pattingham, near Wolverhampton, Leonard Sidney Greenland, Wolverhampton, and Thomas Edwards, Bilbrook, near Wolverhampton, England, assignors to H. M. Hobson Limited, London, England, a British company
Application December 3, 1947, Serial No. 789,494
In Great Britain August 19, 1947
7 Claims. (Cl. 103—38)



1. A hydraulic pump comprising a cam shaft, a plurality of barrels grouped around the cam shaft, a reciprocating plunger in each barrel, a cam mounted on the cam shaft to turn therewith and operative on the plungers to impart alternate suction and delivery strokes to the plungers, and means for adjusting the cam on the cam shaft in the axial direction of the cam shaft, to vary the stroke imparted by the cam to the plungers, said barrels being grouped in pairs with the barrels constituting each pair located on opposite sides of the cam shaft and arranged to discharge into a common delivery line and the cam being profiled so that the rate of flow of liquid in each delivery line is constant and determined in magnitude by the position of axial adjustment of the cam in relation to the cam shaft.

2,548,502
FRACTIONATION WITH SOLID ADSORBENTS IN A SINGLE COLUMN
James K. Small, North Tarrytown, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1946, Serial No. 718,919
13 Claims. (Cl. 183—114.2)

1. An improved process for concentrating an intermediate fraction B from a fluid feed mixture also containing a less readily adsorbed component A and a more readily adsorbed component C by means of a granular solid adsorbent, comprising passing said adsorbent downwardly through an adsorption-rectification zone comprising in consecutive order a first adsorption zone, a first rectification zone, an intermediate side stream separation zone, a first heating and desorption zone, a cooling zone, a second adsorption zone, a feed supply zone, a second product separation zone, a second desorption and heating zone, removing heated adsorbent from the bottom of said second heating zone, passing said fluid feed mixture into said feed supply zone and upwardly through said second adsorption zone wherein substantially all of component C is adsorbed, separating unadsorbed components of the feed from contact witn the adsorbent at the top of said second adsorption zone and returning the said unadsorbed components to contact with the adsorbent near the bottom of said first adsorption zone, removing unadsorbed components comprising substantially all of component A from the upper portion of said first adsorption zone, removing a side stream comprising desorbed component B in a state of high purity from said intermediate separation zone while passing a portion of said desorbed component B upwardly through said first rectification zone to displace component A from the adsorbent descending therein, and removing a second product stream comprising desorbed component C from said second product separation zone.



2,548,503
METHOD OF PREVENTING GELATION DURING HEATING OF RESINOUS ISOOLEFIN POLYMERS
William J. Sparks, Westfield, David W. Young, Roselle, and John D. Garber, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 1, 1946, Serial No. 687,698
7 Claims. (Cl. 260—23.5)

1. In a process for the recovery of a copolymer resin prepared by the copolymerization of an olefinic mixture containing from 60% to 80% of a multiolefin having from 4 to 14, inclusive, carbon atoms per molecule, with from 40 to 20% of a mono-olefin having from 5 to 20, inclusive carbon atoms per molecule, at a temperature within the range between +10° C. and −30° C., by the application to the cold olefinic material of a fluid Friedel-Crafts active metal halide catalyst, the cold olefins being polymerized in the presence of a non-polymerizing diluent, limiting the yield of polymer to less than 80% of the weight of olefins used to produce a copolymer resin characterized by an iodine number within the range between 125 and 300, a Staudinger molecular weight number within the range between 500 and 50,000, substantially complete freedom from cross linkage and gel as produced, a high reactivity and tendency towards cross linkage and gelation at temperatures in the neighborhood of 180° C., the steps in combination of adding to the polymer solution in diluent a fluxing agent comprising a surface coating, film-forming material, and thereafter heating the mixture of copolymer and fluxing agent to a temperature within the range between 75° C. and 200° C., to remove the diluent and unpolymerized olefins, and simultaneously

protecting the copolymer from cross linkage and gelation by the presence of the auxiliary fluxing agent.

2,548,504

COPOLYMERS OF 3,4 OR 3,5-DICHLORO ALPHA METHYL-STYRENE WITH FLUOROETHYLENES

Theodore A. Te Grotenhuis, Olmsted Falls, and Gilbert H. Swart, Akron, Ohio, assignors to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application August 28, 1946, Serial No. 693,586
7 Claims. (Cl. 260—87.5)

1. A copolymerization product of an alpha-methylstyrene and a member of the group consisting of ethylene and ethylenes having one to four hydrogen atoms substituted by fluorine, said alpha-methylstyrene having two nuclear halogen atoms and having nuclear carbon atoms next adjacent the carbon atom directly carrying the isopropenyl group free of substituents, the amount of alpha-methylstyrene having the above characteristics being 1 to 90 mol per cent of said copolymerization product.

2,548,505

ACTIVATORS FOR p QUINONE DIOXIME CURES

Luther B. Turner, Roselle Park, and Winthrope C. Smith, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 29, 1946, Serial No. 693,814
10 Claims. (Cl. 260—23.7)

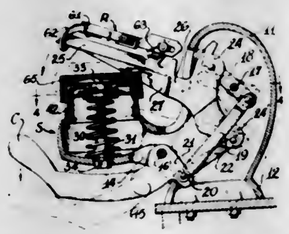
1. A composition of matter comprising a curable elastomer selected from the group consisting of copolymers of isobutylene with isoprene, copolymers of butadiene with acrylonitrile, polychloroprene, and copolymers of butadiene and styrene, a quinone dioxime in the proportion of 0.5% to 5% by weight of said elastomer, and a chloro-substituted aryl sulfonamide having at least one aryl nucleus selected from the benzene and naphthalene aromatic series, having the chlorine substituents attached to the nitrogen atom, and containing hydrocarbon substituents on the aryl nucleus, in the proportion of 0.5% to 10% by weight of said elastomer.

2,548,506

CLAMPING AND STRETCHING TOOL FOR TIRE INNER TUBES AND THE LIKE RUBBER GOODS

Roméo Vachon, Montreal, Quebec, Canada

Application October 20, 1949, Serial No. 122,434
5 Claims. (Cl. 81—15.2)



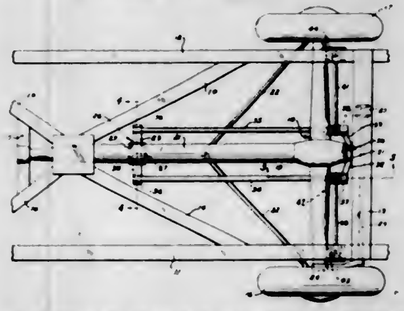
1. In a clamping and stretching tool for elastic articles such as rubber, an annulus and means for arcuately moving said annulus, a truncated cone against the upper edge of which the annulus is adapted to be lowered, a plano-convex button co-axial with and surmounting the cone, a spindle supporting the button, a spring resiliently supporting said button, a shank depending from the button extending within the cone, a flange on the lower end of said shank, and a spring between the cone and the flange for urging the cone against the plane surface of the button, said cone spring being weaker than the button spring.

2,548,507

REAR TORSION SPRING SUSPENSION

John J. Wharam, Dearborn, and Jerome J. Felts, Pontiac, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application December 29, 1945, Serial No. 637,982
4 Claims. (Cl. 280—124)



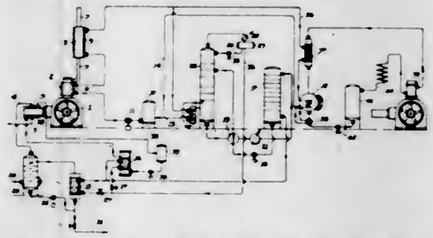
1. In a vehicle having a frame, road wheels on opposite sides of said frame, a rear axle housing and a torque tube projecting forwardly from said rear axle housing, a bracket secured to said torque tube, a second bracket secured to said axle housing, a longitudinally extending torsion spring having its forward end connected to said first mentioned bracket, the rearward end of said torsion spring being pivotally supported by said second mentioned bracket, a lever extending transversely of said frame and having its inner end connected to said torsion spring adjacent the rearward end of the latter, and a generally vertically extending link interconnecting the outer end of said lever and said frame adjacent one of said road wheels.

2,548,508

THERMAL SYSTEM

Alfred S. Wolfner, Boston, Mass.

Application March 5, 1946, Serial No. 652,184
4 Claims. (Cl. 230—211)



1. A gas compressor system comprising an internal combustion engine having jacketed cylinders and a compressor driven by said engine and having jacketed cylinders and a gas intake line, a cooling circuit arranged to pass a cooling medium through the jackets of the engine, a second cooling circuit arranged to pass cooling medium through the jackets of the compressor cylinders, and a refrigeration circuit arranged in heat exchange relation with both of said cooling circuits and also in heat exchange relation with the gas intake line of the compressor for cooling the gas which is to be compressed independently of the engine cycle.

2,548,509

FUNGICIDAL COMPOSITIONS CONTAINING HEXACHLOROCYCLOPENTADIENE

Howard L. Yowell, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 22, 1948, Serial No. 28,761
6 Claims. (Cl. 167—30)

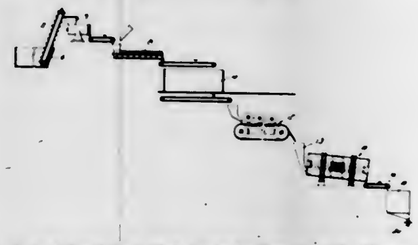
1. A fungicidal composition comprising hexachlorocyclopentadiene as the active ingredient admixed with a dispersing agent which lowers the surface tension of water and thereby promotes aqueous emulsions of hexachlorocyclopentadiene.

2,548,510

METHOD FOR TREATMENT OF FRUIT WASTES

Wayne M. Neal, Gainesville, Fla., assignor, by Decree of Court, to the State of Florida, The State Board of Education of Florida, and State Board of Control

Application August 13, 1935, Serial No. 36,035
11 Claims. (Cl. 99—2)



1. A method for the prevention of "balling" or "case hardening" during evaporation of water from citrous fruit waste containing colloidal constituents which comprises grinding the fruit waste material to suitably comminute the same, adding to the ground material a reactive non-toxic calcium compound to break up the gel structure of said constituents, aging the resulting mass to agglomerate colloidal constituents thereof, mechanically removing water from the mass and evaporating remaining moisture in the mass by means of heat to obtain a product having less than 15% of moisture.

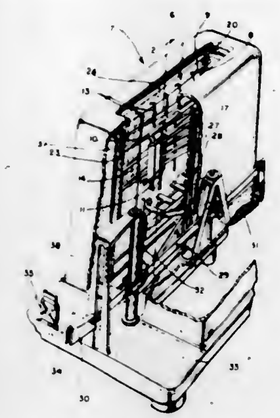
2,548,511

ELECTRIC TOASTER

Roy J. Anderson, Chicago, Ill.

Application December 13, 1948, Serial No. 65,051
1 Claim. (Cl. 219—19)

An electric toaster, comprising an oven housing, insulation means secured within the confines of the said oven housing adjacent a pair of oppositely disposed walls thereof, corrugated reflector means mounted in front of the said insulation means, plug-in electric socket means in the base of the said oven housing, and removable grill-like heating units mounted adjacent and between the said insulation means and provided with terminal pin means engaging the said plug-in socket means, the said grill-like heating units, comprising a tensioned wire frame-work, dielectric means secured to two opposed laterals of the said frame-work, ribbon heating means sinuously laced through openings in the said dielectric means, and guard wire means encircling the remaining opposed laterals of the said frame-work.



2,548,512

WINDOW BLIND

Carl V. Bergstrom, Santa Monica, Calif.

Application April 10, 1948, Serial No. 20,259
8 Claims. (Cl. 160—166)



1. In a window blind, the combination with marginal contractible and expandible corrugated side strips of flexible metal, of a series of spaced louvers anchored to said strips between the crests of the corrugations of said strips and movable by said strips to different positions on the stretching or contraction of said strips.

2,548,513

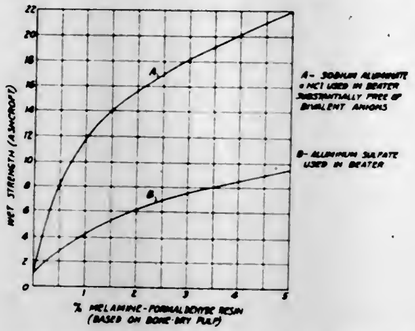
METHOD OF MAKING HIGH WET STRENGTH PAPER

Fred W. Boughton, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 22, 1944, Serial No. 532,299
5 Claims. (Cl. 92—21)

1. A method of making high wet strength paper which comprises beater sizing paper pulp with an acid precipitable sizing material, adding thereto in sufficient amount to precipitate the sizing and impart a pH of 4–6.5 an aluminum material selected from the group consisting of an alkali metal aluminate plus hydrochloric acid, an alkali metal aluminate plus acetic acid, an alkali metal aluminate plus nitric acid, aluminum chloride, aluminum nitrate and aluminum acetate, incorporating in the pulp ¼–5%, based on the bone-dry weight of the pulp, of a wet strength-im-

parting resin selected from the group consisting of the melamine-formaldehyde resins and the



melamine-monoureide-formaldehyde resins, and forming paper therefrom.

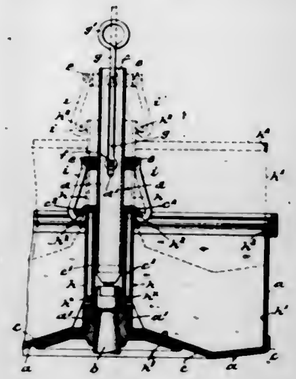
2,548,514
PROCESS OF PRODUCING SECONDARY-ELECTRON-EMITTING SURFACES
Jenny Bramley, Long Branch, N. J.
Application August 23, 1945, Serial No. 612,197
2 Claims. (Cl. 117—33.22)



1. The process of producing an improved multiplier element for an electron tube, which comprises depositing on a solid metallic base a dielectric layer limited in thickness to values below 0.1 mm. and selected from the class consisting of oxides of aluminum, titanium, copper and manganese, depositing on the dielectric layer a secondary electron emitting layer which has a combined thickness with the dielectric layer of 2 to 20 microns, free from nickel, different from the dielectric layer, and selected from the group consisting of beryllium, beryllium oxide, magnesium oxide and aluminum, and heat treating the multiplier element at a temperature between 600° C. and the softening point of the metallic base.

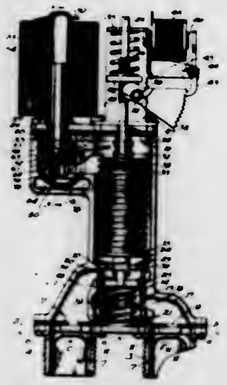
2,548,515
HYDROEXTRACTOR
Frank Broadbent, Huddersfield, England, assignor to Thomas Broadbent & Sons, Limited, Huddersfield, England.
Application September 2, 1947, Serial No. 771,797
In Great Britain September 5, 1946
7 Claims. (Cl. 210—76)

1. A hydro-extractor comprising in combination a basket; a false bottom for such basket; an inner sleeve extending up centrally from the false bottom; a tubular member fitting slidably within said sleeve; two diametrically-opposed longitudinal slots provided in said sleeves; a collar surrounding said tubular member and secured thereto; a pin extending transversely through said collar and said slots of the tubular member; pivotally-mounted hooks depending from said collar; an outer sleeve surrounding and spaced from said inner sleeve; a series of dividing plates carried by said outer sleeve and extending radially outwards from the same and reaching substantially to the wall of the basket; catches provided on the exterior of said outer sleeve for engagement by said depending pivoted hooks upon upward movement of said tubular member; cooperating abutments arranged exteriorly at the upper end of said inner sleeve and interiorly at the lower end of said outer sleeve, the said abutments extending into the same vertical plane;



and lifting means engaging the said pin so that raising of said pin operates first to raise the dividing plates clear of the material in the basket and thereafter to raise the false bottom on which the material rests.

2,548,516
VALVE FOR AUTOMATIC WASHING MACHINE
Francis J. Cantalupo, Chicago, Edmond P. De Craene, Westchester, Edward G. Schmidt, Western Springs, Raymond P. Setka, Chicago, and Chester W. Yant, Westchester, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 9, 1947, Serial No. 790,638
4 Claims. (Cl. 236—12)



1. In a valve of the character described, a casing, a regulating closure member therefor, temperature responsive means for regulating the movement of said regulating closure member, a rod limiting the expansion of the temperature responsive means to cause movement of the regulating closure member within a given temperature range, means including respectively a cam, a latch, and unlatching means for adjusting the position of the said rod in relation to said temperature responsive means, to provide for a range of predetermined mixed water temperature settings and to permit automatic repositioning of the said responsive means to a predetermined lower temperature setting, and resilient means cooperating with the said rod member to provide resistance to force created by said temperature responsive means to insure that expansion of the said latter element moves the said regulating closure member, said resilient means providing for absorption of excessive movement of the temperature responsive means; a second resilient means between said regulating closure member and the casing to insure movement of said regulating closure member upon contraction of said temperature responsive means.

2,548,517
FINGER-SUPPORTED BOTTLE OPENER
Lewis N. Clark, Orange, Va.
Application September 25, 1946, Serial No. 699,299
1 Claim. (Cl. 81—3.46)

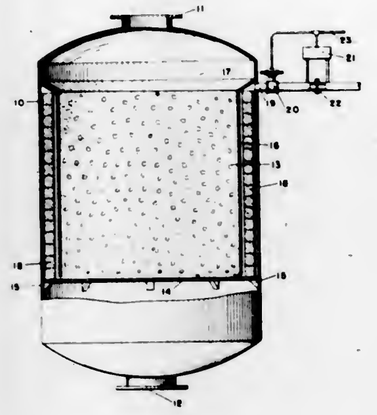


Finger ring type bottle opener comprising a cylindrical finger encircling member having one end terminating in a plane oblique to the axis of said member, said oblique end being adapted to face toward the end of the finger with its foremost portion at the front of the finger, said member being formed with forward and rearward bands on the front separated by an opening for the insertion of a bottle cap, said forward band being flush with said oblique end and being a fulcrum to rest on the top of the bottle cap, said rearward band having a convex forward edge extending into said opening for engagement with the flange of the bottle cap, and a rear convex edge adapted to rest against the ball of the hand adjacent the base of the finger, said member being formed with an elongated finger supporting plate on the back extending longitudinally beyond the zone of said bands in a direction away from said oblique end to a point beyond the knuckle, the sides of said plate and the sides of the rear edge of said rearward band forming lateral recesses fitting the webs between the finger that supports the opener and the adjacent fingers.

2,548,518
ESTERS OF ALPHA-ACETAMINOACRYLIC ACID
Harry W. Coover, Jr., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 13, 1949, Serial No. 87,356
19 Claims. (Cl. 260—482)

2. A process for preparing alkyl esters of α-acetaminoacrylic acid comprising heating an alkali metal salt of α-acetaminoacrylic acid with a dialkyl sulfate.

2,548,519
APPARATUS FOR CONDUCTING HIGH-TEMPERATURE REACTIONS
Leland W. T. Cummings, Wyncote, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application November 14, 1947, Serial No. 786,131
3 Claims. (Cl. 23—288)



1. In a converter providing a reaction chamber for conducting conversion reactions at high temperature; a shell forming a wall of the converter; a substantially imperforate heat resistant liner within the converter spaced apart from said shell and forming therewith a peripheral space adjacent the reaction chamber; a cover member extending from the top of the liner to said shell and closing off the top of said peripheral space; porous insulating material within said peripheral space for protecting said shell from the high temperature within the reaction chamber; a support member adjacent the bottom of the peripheral space adapted to maintain said insulating material in place, said liner extending downwardly to adjacent said support member without abutting thereagainst, so as to provide an opening for restricted communication between the peripheral space and the reaction chamber; and conduit means communicating from without said shell to said peripheral space for introducing therein an inert gas.

2,548,520
COPOLYMERS OF PROTEINS HAVING UNSATURATED RADICALS UNITED THEREWITH
Rudolph E. Damschroder and John W. Gates, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 13, 1947, Serial No. 728,380
8 Claims. (Cl. 260—8)

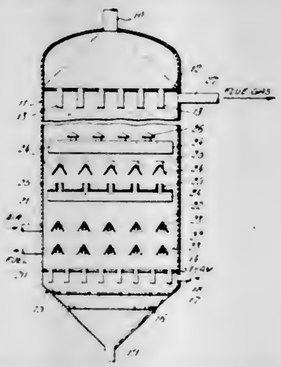
6. A method of preparing a high molecular weight material which comprises heating a mixture of protein compound selected from the group consisting of methacrylyl protein, acrylyl protein, and maleyl protein with a monomer having a $CH_2=CR-$ group therein, R being a substituent selected from the group consisting of hydrogen and methyl.

2,548,521
PIN-INSERTING FINGER BAND
Richard Doyle, Park Ridge, N. J.
Application September 17, 1946, Serial No. 697,557
2 Claims. (Cl. 81—3)



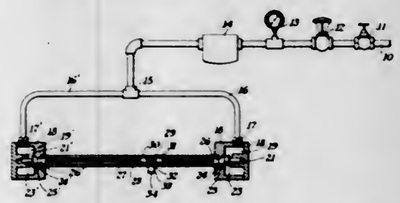
1. A device for inserting T-shaped pins comprising, a ring in the form of an open loop fitting about a finger of the user inwardly of the end of the finger, said ring having a widened end at least partly surrounded by a substantially U-shaped flange, said end and the flange thereon constituting a seat fitting and extending partly around the cross-bar head of a T-shaped pin to enable pressure to be imposed upon said head to thrust the pin through an article.

2,548,522
PROCESS FOR HEATING SOLID GRANULES
Robert D. Drew, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 21, 1947, Serial No. 723,378
2 Claims. (Cl. 263—52)



1. A process for heating granular solids which comprises admitting said solids to the top of an enclosed vertical heating zone, withdrawing said solids in heated condition from the bottom of said zone, deflecting said solids intermediate the point of said admission and the point of said withdrawal to provide an intermediate region characterized by open space substantially free of said solids between an upper moving bed of compact solids thereabove and a lower moving bed of compact solids therebelow, introducing fluid fuel and air to one end of said zone to produce a flame therein, passing the resultant burning mixture through that one of said moving beds adjacent the end of such introduction toward said intermediate region, disengaging said mixture from the moving bed into said open space to thereby permit rapid rise in temperature of said mixture out of intimate heat exchange contact with said solids and thus obtain more complete combustion of said fuel, transferring the said mixture so increased in temperature from said open space to the other of said moving beds, passing said mixture through said last named bed from said open space toward the end of said zone remote from the point of introducing fuel and air and discharging spent combustion mixture from the last named end of said zone.

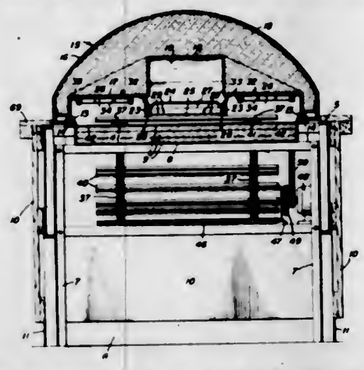
2,548,523
PNEUMATIC RAPID TRAVERSE FOR WINDING TEXTILE YARNS ON CONES AND TUBES
Richard F. Dyer and Wendell G. Faw, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 12, 1949, Serial No. 121,024
12 Claims. (Cl. 242—158)



1. In a rapid traverse winding apparatus for yarn, and the like, the combination of a rotatable winding-spindle on which a yarn winding member is mounted for rotation, a pneumatically operated yarn guide mechanism positioned adjacent thereto and adapted to guide the yarn uniformly back and forth along the axis of the rotating member thereby permitting the yarn to be wound in uniform convolutions on the member, said yarn guide mechanism comprising in combination a yarn guide, a piston attached thereto, a tube in which the piston reciprocates, said tube having a longitudinal slit in the wall thereof through which the yarn guide extends and reciprocates with the piston, a valve block assembly mounted on one end of the tube having a valve chamber, a valve therein adapted to fluidly connect the valve chamber with the tube, means for supplying compressed air to said valve member, a similar valve block assembly positioned at the opposite end of the tube, said compressed air normally tending to hold the valves closed, the valves in the respective blocks being adapted to open and close alternately, said valves when in alternate open position, permitting the compressed air to flow from the chamber to the tube and to force the piston to and fro in the tube and to cause the reciprocation of the yarn guide associated therewith.

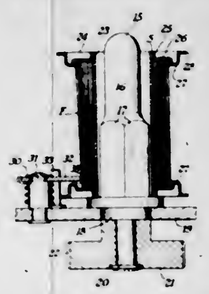
2,548,524
ELECTRICAL COOKING APPARATUS
Orville E. Eckhoff, San Antonio, Tex.
Application November 22, 1948, Serial No. 61,377
8 Claims. (Cl. 99—331)

1. An electrical cooking apparatus including an elongated oven having a longitudinal flue and a cooking chamber, longitudinal partitions depending from the top of said chamber and dividing the same into an intermediate and two side cooking channels communicating with said flue, a first overhead electrical heating element in the upper portion of the intermediate cooking channel, further similar overhead electrical heating elements of lower heating capacity than the first heating element respectively disposed in the upper portions of the side cooking channels, an exhaust fan for withdrawing fumes and excess heat from said cooking channels through said flue, and an endless conveyor having its upper



flight arranged to carry foods through said channels beneath the heating elements.

2,548,525
FILM WINDING CONTROL FOR ROLL-FILM HANDLING APPARATUS
Paul J. Ernisse, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 10, 1948, Serial No. 48,615
8 Claims. (Cl. 242—71)

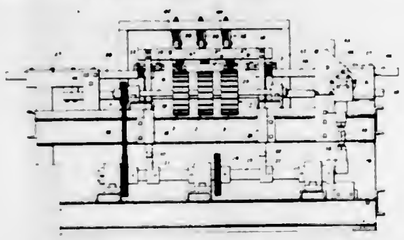


1. A film-winding control for roll-film handling apparatus including a supply chamber, a support for a film spool therein adapted to receive film wound on a spool having a core and flanges thereon with beads projecting towards each other and closer together than the width of a film, means for moving the support, an exposure frame adjacent the supply chamber and a take-up chamber on the opposite side of the exposure frame from the supply chamber, said winding control comprising a movable film presser mounted adjacent the film spool support and spring pressed to move across a flange and a bead of the spool and into a position in which the film presser may lie closer to the film spool core than does the bead on the film spool flange to normally hold an area of film out of contact with said bead when the film is wound in an unwinding direction.

2,548,526
MIXED GRAIN PHOTOGRAPHIC EMULSIONS
Leopold Godowsky, Jr., Westport, Conn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 11, 1946, Serial No. 715,605
6 Claims. (Cl. 95—2)

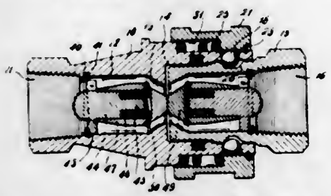
1. A sensitive photographic element comprising a single emulsion layer capable of reproducing colors of different regions of the spectrum, said layer comprising a water-permeable colloidal material containing particles of insoluble salt of a polymeric 6-carbon-atom aldehyde carboxylic acid having dispersed therein silver halide grains sensitive to a region of the visible spectrum and a color former capable of coupling with the oxidation product of a primary aromatic amino developing agent to form a dye image, and at least one other group of separate particles of said insoluble salt having dispersed therein silver halide grains sensitive to a different region of the visible spectrum than said first-mentioned grains and a color former capable of coupling to form a different dye image than said first-mentioned color former.

2,548,527
BOX END ASSEMBLY MACHINE
Henry J. Goff, Stockton, Calif.
Application October 3, 1945, Serial No. 619,926
5 Claims. (Cl. 144—7)



1. In a machine for making box ends each of which comprises initially separate central and side parts adapted to be united by laterally applied pressure, separate runways for said parts, a constantly driven conveyor extending rearwardly from the runways, stop means for the parts extending across the conveyor at a point in the length thereof from the runways a distance greater than the length of the parts, means to exert lateral pressure against the side parts when halted by the stop means, and including presser plates disposed laterally out from the side parts when the latter are engaged with the stop means, and guide strips connected to and extending between the plates and the laterally outermost sides of the runways of the side parts.

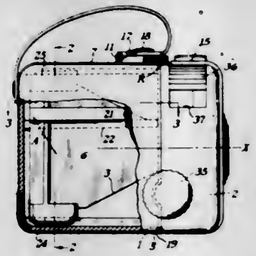
2,548,528
VALVED HOSE COUPLING
Fred E. Hansen, Lakewood, Ohio
Application August 31, 1948, Serial No. 46,954
2 Claims. (Cl. 284—19)



1. In a valved coupling for fluid lines, a coupling member, a frusto-conical valve seat in said member, a spider mounted in said member spaced rearwardly from said seat, a cantilever mandrel centrally carried by said spider projecting forwardly toward said seat, a valve piece having a sleeve portion slidably mounted on said mandrel,

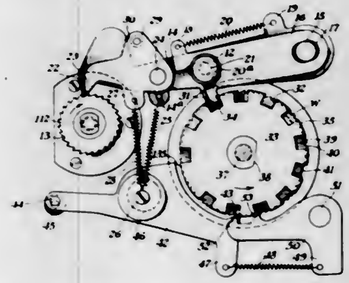
said sleeve portion being spaced inwardly from the internal wall of said member, a coil spring disposed within the sleeve bearing at its rear end against said mandrel and at its forward end against said valve piece, the inner surface of said sleeve and the outer surface of said mandrel being of substantially the same diameter as the over-all diameter of said spring, whereby the inner surface of said sleeve functions as a guide for said spring as well as a slide guide for said valve piece.

2,548,529
CAMERA PART LATCHING AND GUIDING CONSTRUCTION
Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1948, Serial No. 5,167
4 Claims. (Cl. 95—11)



1. A latching and guiding construction for camera bodies including two relatively movable telescopic parts, a front part including an outer front wall, and part outer top, bottom and side walls, said front part carrying an inner rearwardly extending member comprising four walls lying closer together than the part top, bottom and side walls of the front member, a rear part comprising a box-like member including a rear wall, and top, bottom, and side walls adapted to register with the part top, bottom and side walls of the front member, said rear member having light-tight interengaging walls for engaging complementary shaped walls of the front member and having a telescoping relationship with the walls of the inner rearwardly extending member carried by the front part and being slidable longitudinally thereof for loading and unloading film in the camera, and means for holding the light-tight interengaging complemental shaped walls between the two relatively movable parts in light-tight relationship comprising interengaging pairs of rails extending longitudinally of the front and rear members, the rails on the inner member extending rearwardly from the front member and positioned to slidably engage rails carried by the rear member to prevent lateral movement between the front and rear members, and pairs of slidably engaging rails extending inwardly from the rear section and outwardly from the inner member of the front part to prevent lateral movement of the rear section relative to the front section between the top and bottom walls of the front and rear camera parts, and a latch on the adjacent edges of coacting walls of the front and rear camera parts for holding the front and rear camera parts together while said front and rear camera parts are retained with the top, bottom and side walls of the front and rear parts in alignment and with the light-tight interengaging complemental shaped walls between the parts in engagement.

2,548,530
FILM-WINDING CONTROL AND COUNTER FOR ROLL-HOLDING CAMERAS
Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 16, 1948, Serial No. 21,388
5 Claims. (Cl. 242—71)

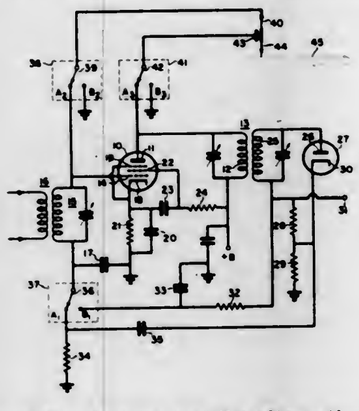


1. Film winding control for cameras of the type having a camera body, an exposure frame therein, a film spool support, a film winding knob for moving film across the exposure frame by turning a film spool held by the support, a roller to be turned by film moved by the winding knob each time a fresh exposure area of film passes thereover, said control comprising a stop ratchet movable with the winding knob, a stop pawl carried by the camera body, a crank carried by the roller having a measuring pawl thereon, a measuring ratchet and notched disk pivotally mounted on the camera body and movable together when the measuring pawl engages and moves the measuring ratchet, a lug carried by the stop pawl of less width than a notch of the notched disk and adapted to drop therein, a slide mounted on the stop pawl and having a lug of less width than a notch of the notched disk, spring means for holding the two lugs adjacent each other with a total width greater than a notch in the notched disk whereby said lugs may engage the outer periphery of the notched disk, said slide being movable against the spring means to overlap the two lugs when an edge of a notch in the notched disk engages and moves one lug relative to the other, permitting the lugs on the stop pawl and slide to drop into a notch in the notched disk and simultaneously permitting the stop pawl to drop into the stop ratchet after the notched disk is driven by a film to measure off an exposure length of film.

2,548,531
RADIO-PHONOGRAPH OSCILLATOR-AMPLIFIER
Albert E. Hayes, Jr., Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application March 13, 1947, Serial No. 734,313
2 Claims. (Cl. 179—100.11)

1. In combination, a radio frequency amplifier having input and output circuits, a network including an electro-mechanical transducer, switching means for connecting said network between said output and said input circuits in a regenerative sense, whereby said amplifier acts as an oscillator, a resistor, a second switching means ganged with the first named switching means and operative to connect the said resistor in the grid circuit of said amplifier as a grid-leak resistor when said network is connected, a

detector, means coupling said output circuit to said detector and means combining additively the



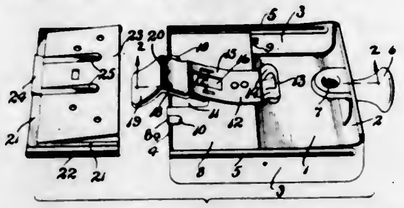
output of said detector and the alternating voltage developed across said grid-leak resistor.

2,548,532
CIRCUIT FOR THE GENERATION OF A LINEARLY VARYING CURRENT
Walter R. Hedeman, Jr., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 29, 1945, Serial No. 619,333
7 Claims. (Cl. 250—27)

6. In a circuit for the generation of a current varying linearly with respect to time, an electric discharge device having input and output circuits, an impedance situated in said output circuit, and means for feeding back energy from said output circuit to said input circuit, the time constants of said impedance and said feedback means being substantially equal.

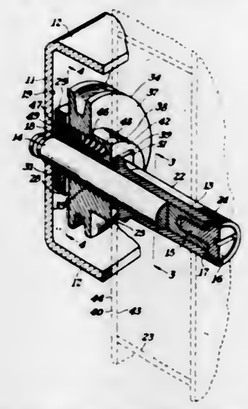
2,548,533
ASH RECEIVER
Cornelius Hendricks, Grand Rapids, Mich., assignor to Applied Arts Corporation, Grand Rapids, Mich., a corporation of Michigan
Application May 1, 1950, Serial No. 159,214
5 Claims. (Cl. 312—246)

1. In an ash receiver, a generally rectangular plate having drawer carrying guide means at opposite ends, a drawer slidably suspended from the plate, the upper edges of the sides of the drawer slidably engaging said guiding means on the plate, a second plate extending between the sides of the drawer at the rear portions thereof permanently secured at its ends to the sides of the drawer, adapted to be moved under said first mentioned plate, and a relatively long member or spring material secured between its ends at the upper side of the second plate near the edge of the second plate, having upwardly extending bearing portions adjacent each end thereof, one bearing against the under side of the first plate when the drawer is in closed position, and the other when the drawer is in open position, said spring member at its inner end



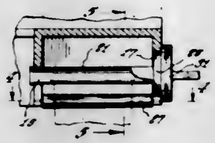
having a downwardly extending finger engageable section whereby the rear upwardly extending portion of said member may be moved downwardly to a position to free it from said first mentioned plate, said first mentioned plate having a downwardly extending stop normally engaging with said upwardly extending portion of the spring member to prevent withdrawal of the drawer beyond a predetermined position.

2,548,534
REEL SPINDLE
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 26, 1947, Serial No. 793,888
20 Claims. (Cl. 242—70)



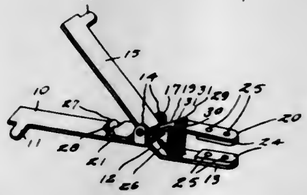
1. In a device of the class described, the combination with a support, of a film-reel spindle rotatably mounted on said support and having a flanged film reel positioned thereon, means carried by said spindle and positionable in an aperture of a flange of said reel to support the latter on said spindle, a pair of axially spaced and relatively adjustable abutments on said spindle adapted to engage opposite faces of said flange to clamp the latter therebetween and on said supporting means, one of said abutments registering with said supporting means, and means for rotating said one abutment to move the latter out of registry with said supporting means to clamp said flange in position between said abutments to lock said reel releasably to said spindle so as to rotate as a unit therewith.

2,548,535
COMBINED TOOTHBRUSH HOLDER AND TOOTH PASTE TUBE DISPENSER
Armand A. Iannone, Corona, and Louis La Polla, East Elmhurst, N. Y.
Application December 8, 1949, Serial No. 131,844
3 Claims. (Cl. 222—98)



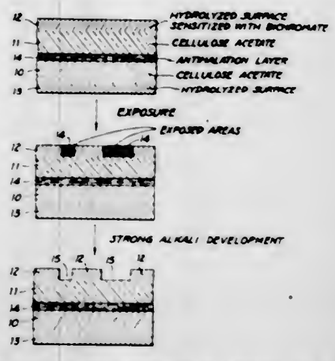
1. A tooth paste dispenser comprising a wall portion, a depending portion connected to the wall portion, a large opening at one end of the depending portion, a small opening at the opposite end of the depending portion, said ends of the depending portion having slits leading to the openings, a slit tube having a portion adapted to fit the large opening and the end of the tube adapted to fit the small opening, said slit tube and the slits in the depending portion adapted to receive a tooth paste tube, knob means on the tube for turning the same, press rolls for squeezing the tube as it is wound on the slit tube, said tube after having the tooth paste tube wound upon the same being removable through the large opening in the depending portion.

2,548,536
CLOTHESPIN
Harold R. Johnson, Washington, D. C.
Application June 3, 1948, Serial No. 30,942
4 Claims. (Cl. 24—137)



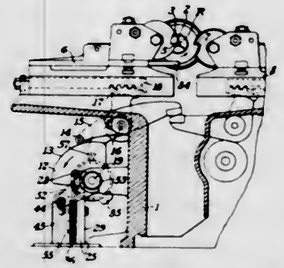
4. A clothespin comprising a handle having an angularly bent offset portion with a jaw parallel to the handle at the free end thereof, a second jaw parallel to the handle and first jaw and having an angularly bent portion offsetting the second jaw from the handle and an end portion anchored to the handle beyond said offset portion, lugs formed on the handle adjacent the angularly bent portion, a second handle having pivot means formed thereon engaged in the lugs and provided with a cam extension to engage the angularly bent portion of the second jaw to force the same toward the first jaw when the second handle is swung toward the first handle and to release said jaws for separation when the second handle is swung away from the first handle, the part of the second jaw anchored to the first handle being provided with a reduced shank and the first handle having a struck-up apertured lug engaged by said shank, a struck up stem formed in said first jaw loosely engaging in an opening formed in said second jaw for preventing longitudinal movement of said jaws relative to each other, and a spring mounted between and operatively connected with said jaws.

2,548,537
METHOD OF MAKING CELLULOSE ESTER LITHOGRAPHIC PRINTING PLATES
William O. Kenyon and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1949, Serial No. 75,453
10 Claims. (Cl. 95—5.4)



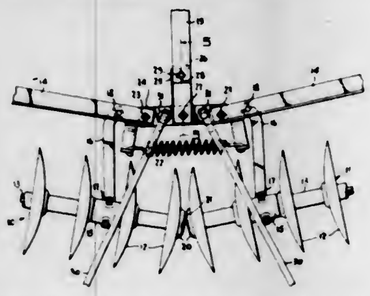
1. The method of forming a design on a cellulosic surface for printing purposes, which comprises sensitizing a hydrolyzed surface layer of a cellulose organic acid ester sheet with an oxidant for hydrolyzed cellulose ester whose oxidizing effect is accelerated by light selected from the blue and ultraviolet regions of the spectrum, exposing said sensitive layer under a design, thereby oxidizing and rendering the exposed area of said surface layer removable with alkaline solution, and selectively removing said exposed area with an alkaline solution free of oxidizing agents.

2,548,538
APPARATUS FOR MANUFACTURING SCREW STICKS
Edwin H. Kesel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 11, 1947, Serial No. 733,762
11 Claims. (Cl. 29—52)



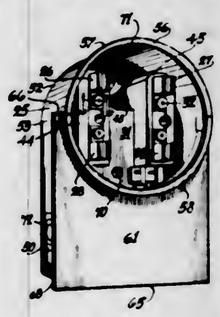
1. In a machine for making screw sticks of the type including a chuck for holding work, an intermittent work-advancing mechanism, a movably mounted forming tool, a movably mounted threading tool, a power-driven shaft, means for moving each tool to-and-from an operative position with respect to the chuck including the power-driven shaft, a cam driven by the shaft having a first operative position, a first cam follower, and connections between the forming and threading tools and the first cam follower, the combination with said cam for moving the tools, of a shifting device for moving the cam axially from the first operative position to a second operative position, a cut-off tool, connections between said cut-off tool and a cut-off cam follower, the cut-off cam follower lying in the path of the shiftable cam in its second operative position to be operated thereby, and mechanism operable by the cam shaft for shifting the cam after a predetermined number of revolutions of the shaft, an indexing ratchet, a pawl operable by the cam shaft for advancing the ratchet, a cam-shifting shaft, a spring tending to move the shifting shaft in one direction, a latch for holding the shifting shaft against the spring, and a latch trip carried by the ratchet for determining the movement of the cam-shift shaft.

2,548,539
GANG CONNECTION FOR DISK HARROWS
William E. Knapp, Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application July 21, 1945, Serial No. 606,333
10 Claims. (Cl. 55—81)



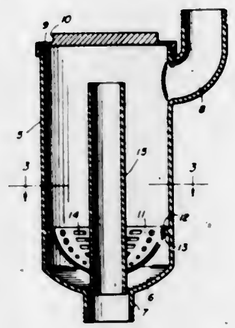
1. In a disk harrow, oppositely extending disk gangs, oppositely extending draft bars connected to the gangs, a draft device, a connecting member connecting the inner ends of the draft bars to the draft device, and the said connecting member being swingably mounted upon the draft device for forward and rearward swinging movements to correspondingly adjust the inner ends of the draft bars and disk gangs.

2,548,540
METER AND METER SOCKET
Morgan J. Lewis, Philadelphia, Pa.
Application May 6, 1949, Serial No. 91,686
9 Claims. (Cl. 175—224)



1. In a meter trough, a group of jaw contacts for contact with a meter, a group of terminals located to one side of the jaw contacts and individually connected to the jaw contacts, and an enclosure for the jaw contacts and terminals comprising a trough enclosing the jaw contacts and including a socket ring for attachment to the meter and having a segmental part of the socket ring separable from the rest of the socket ring, and a box around the terminals having a removable cover, the separable part of the socket ring being attached to the removable cover and the cover permitting access to the terminals while a meter has contact with the jaw contacts.

2,548,541
HAIR TRAP FOR WASHBASINS
Jessie L. MacDonald, Fort Myers, Fla.
Application July 8, 1948, Serial No. 37,613
2 Claims. (Cl. 182—23)

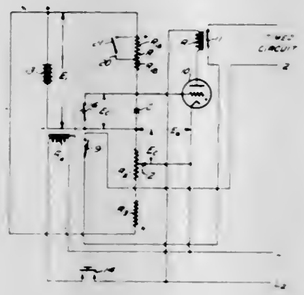


1. A drain trap comprising a chamber supported in an upright position in a drain, said chamber having an inlet at its upper portion and an outlet in its bottom, and said chamber also having a removable cap closing its top, a perforated collecting cup, means in the chamber removably supporting the cup therein in an elevated position at a point below the inlet, and a vertical overflow tube fixed centrally to the cup, said tube having an overflow upper end positioned above the horizontal plane of the inlet and providing a handle for lifting the cup from the chamber, and said tube having a lower discharge end passing through the cup.

2,548,542
ELECTRONIC CONTROLLED RELAY
William D. Macgeorge, Havertown, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1947, Serial No. 740,506
3 Claims. (Cl. 175—320)

1. An electronic timer system comprising a load circuit, a plurality of switches in the load circuit, a multi-element tube, an A.-C. source connected to the cathode and anode of the tube as the tube output when the latter is fired, a relay in the tube output operatively associated with one of said switches to control the load circuit, a common source of D.-C. voltage, a D.-C. circuit including a chargeable condenser, a potentiometer, a resistor, a resistance and the cathode and grid of the tube, said resistance in the line from the positive side of the common source to the positive side of the condenser, said condenser being connected on the negative side to the negative pole of said common source and to the posi-

tive pole of said common source through said resistor and potentiometer in series, a shunt line containing a shunt switch and connecting the negative pole of said D.-C. source and the positive side of the condenser for shorting out the condenser, a second relay, switch means for energizing said second relay from the A. C. source, said second relay controlling one of said load switches and said shunt switch, said D.-C. circuit applying a negative bias to the grid of the tube from the common D.-C. source variable as a function of potentiometer setting, operation of said switch means energizing the said second relay to synchronously operate both switches controlled thereby to open the shunt circuit and start charging the condenser from the common



D.-C. source, and to establish a predetermined condition in the load circuit, and connections from the A.-C. source through the potentiometer arm, the potentiometer, and the condenser to the grid of the tube, whereby the firing of the tube is a function of time after the starting of charging of the condenser by the common D.-C. source after actuation of the second relay has opened the shunt line and actuated the switch it controls in the load circuit until the condenser charge substantially equals the negative bias imposed by the same common D.-C. source, which time function continues until the tube fires and actuates the first mentioned relay to operate the switch associated thereby to modify the load circuit to mark a termination of the timed interval.

2,548,543

COMPOSITIONS AND METHODS USING REDUCTION-SENSITIVE VAT DYES AND INORGANIC NITRITES

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,356

16 Claims. (Cl. 8—35)

1. A method of vat dyeing fibrous material to which alkali metal salts of leuco vat dyestuffs are substantive with a vat dye which is sensitive to overreduction at the boiling point of water in an ordinary vat containing strong alkali and sufficient reducing agent to maintain reduction of the vat dyestuff, which comprises effecting the dyeing in the presence of such a bath containing, in addition to the strong alkali and reducing agent for the vat dyestuff, an amount of an inorganic nitrite at least one-fourth the weight of the real dyestuff.

2,548,544

COMPOSITIONS AND METHODS USING REDUCTION-SENSITIVE VAT DYES AND INORGANIC HALOGENATES

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,357

16 Claims. (Cl. 8—34)

1. A method of dyeing fibrous material to which alkali metal salts of leuco vat dyestuffs are substantive with a vat dye which is sensitive to overreduction at the boiling point of water in an ordinary vat containing strong alkali and sufficient reducing agent to maintain reduction of the vat dyestuff, which comprises effecting the dyeing in the presence of such a bath containing, in addition to the strong alkali and reducing agent for the vat dyestuffs, an amount of an inorganic halogenate of at least one-fourth the weight of the real dyestuff.

2,548,545

PYRANTHRONE DYE COMPOSITION COMPRISING AN INORGANIC NITRITE AND PROCESS FOR DYEING

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,358

12 Claims. (Cl. 8—34)

1. A method of vat dyeing fibrous material to which alkali metal salts of the leuco vat pyranthrone dye are substantive with a pyranthrone dye, which comprises dyeing the material at high temperature approaching the boiling point of water in a bath containing the dyestuff, strong alkali, reducing agent, and an amount of an inorganic nitrite at least one-quarter the weight of the real dyestuff.

2,548,546

PYRANTHRONE COMPOSITION COMPRISING AN INORGANIC HALOGENATE AND PROCESS FOR DYEING

Jerry M. Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1949, Serial No. 130,360

12 Claims. (Cl. 8—34)

1. A method of vat dyeing fibrous material to which alkali metal salts of the leuco vat pyranthrone dye are substantive with a pyranthrone dye, which comprises dyeing the material at high temperature approaching the boiling point of water in a bath containing the dyestuff, strong alkali, reducing agent, and an amount of an inorganic halogenate at least one-quarter the weight of the real dyestuff.

2,548,547

SECTIONAL PAD

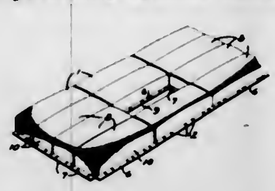
Robert L. Melrose, Coral Gables, Fla.

Application April 30, 1948, Serial No. 24,264

1 Claim. (Cl. 5—357)

A sectional pad comprising a plurality of block shaped units contiguously arranged, with their lower faces in a common plane, flaps underlying the interfacial cracks between adjacent units, permanently fixed at one side to a unit and detachably connected at the other side to an

adjacent unit, said flaps flexibly connecting said units and permitting selective removal of any



unit thereby forming a hole extending completely through said pad, said units being connected solely in the plane of their lower faces.

2,548,548

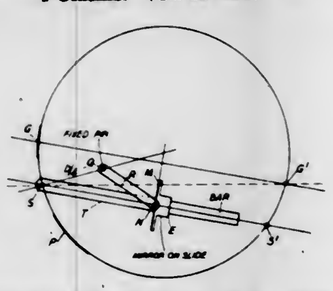
CONCAVE GRATING SPECTROGRAPH OF THE ROWLAND TYPE

Alexander Charles George Menzies and John Hendri Dowell, London, England, assignors to Adam Hilger Limited, London, England, a British company

Application May 5, 1948, Serial No. 25,264

In Great Britain January 29, 1947

4 Claims. (Cl. 88—14)



1. A concave grating spectrograph comprising a slit, a concave grating, a plate, mounting means for each of these elements maintaining them on the circumference of a Rowland circle, a mirror and mounting means maintaining at least a substantial part of the mirror within the Rowland circle so that the plane of the mirror passes through the center of the Rowland circle whereby an image of both the slit and the grating is formed on the circumference of the Rowland circle.

2,548,549

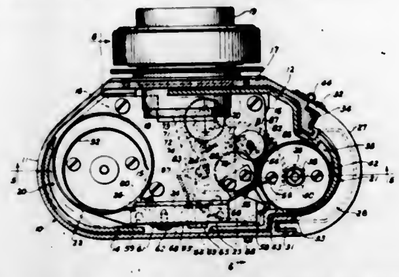
ROLL HOLDING CAMERA WITH MOVABLE SPOOL SECTION

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 8, 1947, Serial No. 727,391

13 Claims. (Cl. 95—31)

1. In a photographic camera, the combination with a casing having a film take-up chamber and a film spool chamber at opposite ends thereof, and an exposure aperture for the film therebetween, of a moveable section forming a portion of said casing and said spool chamber and including a film spool spindle rotatably mounted thereon, said section being moveable to an open position to remove said spindle from said spool chamber so that a film spool may be placed on and removed from said spindle, means connecting said casing and said section to permit said section to be moved from said chamber enclosing position to said open position, and means operatively connected to said spindle for moving film from said spool past said exposure aperture only



when said section is in the chamber enclosing position.

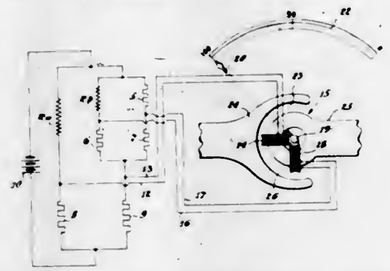
2,548,550

HYGROMETER

Clarke C. Minter, East Orange, N. J.

Application October 4, 1944, Serial No. 557,130

9 Claims. (Cl. 73—388)



1. A direct-reading psychrometric hygrometer comprising a meter for registering the relative humidity, means operable to subject the movement of said meter to a deflecting force tending to cause the movement of said meter to move in one direction including a "dry" temperature responsive element and a "wet" temperature responsive element having a lower temperature coefficient of response, and a "dry" temperature responsive means operable to subject said meter movement to a deflecting force in an opposite direction.

2,548,551

APPARATUS FOR INSPECTION OF SENSITIZED MATERIALS

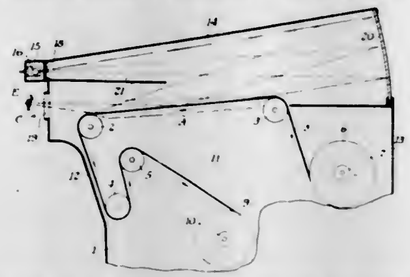
Charles A. Morrison, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 10, 1949, Serial No. 80,687

3 Claims. (Cl. 88—14)

1. Apparatus for illuminating photographic light-sensitive materials for inspection for imperfections and utilizing a minimum amount of light comprising a support, means carried by the support for holding an area of film to be examined for imperfections and substantially in a plane, a source of light of limited area to one side of and above the area of the material to be examined, a shield between said source and said area to prevent direct illumination thereof, a viewing station adjacent the light source, a concave reflector on the opposite side of the area to be examined, the width of the reflector being greater than the area to be examined, and the radius of curvature of the mirror being sub-

stantially equal to the average distance of the light source and of the viewing station from the mirror such that the light rays reflected from the mirror are directed to the area to be examined at substantial grazing incidence, and rays then specularly reflected from the area to be

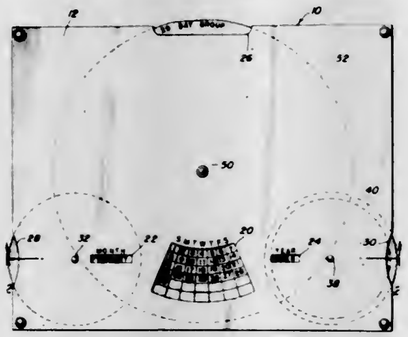


examined are focused at the viewing station and rays reflected by imperfections in the area to be examined are deviated to one side of the viewing station whereby the surface to be inspected appears to have a specular surface brilliantly illuminated and the imperfections appear in exaggerated contrast.

2,548,552
ACIDIFYING COMPOUND FOR PHOTOGRAPHIC BATHS
Lowell E. Muehler, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 4, 1947, Serial No. 778,035
3 Claims. (Cl. 95—88)

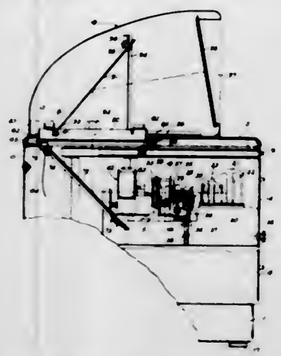
1. A dry, packaged photographic composition adapted to form an acid hardening fixing bath when mixed in aqueous solution with a fixing agent, a soluble sulfite, and a salt of an aliphatic acid containing two to four carbon atoms, which composition comprises approximately one part of potassium alum and approximately two parts of potassium pyrosulfate as the generator of free aliphatic acid by reaction with the salt thereof.

2,548,553
PERPETUAL CALENDAR
Alfred S. Neves, Honolulu, Territory of Hawaii
Application July 1, 1948, Serial No. 36,363
3 Claims. (Cl. 40—113)



1. A perpetual calendar indicator comprising a support having a plurality of inspection openings therein and having a chamber rotatably housing a plurality of indicia-bearing disks each of which is selectively positionable to exhibit its indicia at one of said openings, one of said disks having indicia designating the month of the year, a second disk consisting of a pair of superimposed circular plates each having indicia selectively positioned in unison at a second inspection opening for display of the year, and a third disk having groups of indicia thereon for display at third and fourth openings, the indicia displayed at the third opening consisting of day groups, the indicia displayed at the fourth opening consisting of a monthly calendar, said groups of indicia being correlated to properly display a monthly calendar of the chosen day group of the other group of indicia, said third disk including four sets of figures arranged in concentric lines and radial columns and a pair of day groups associated with each of said sets arranged circumferentially adjacent the edge of said disk, said first-mentioned disk including indicia arranged radially thereon, the bottom of said circular plates including groups of three numerals indicating the first three numerals of a given year arranged radially thereon adjacent the edge thereof and said top plate including circumferentially spaced segmental sight-openings adjacent the edge thereof and pairs of sequential circumferentially spaced numerals indicating the last numeral of a given year carried by said top plate adjacent the inner edges of said segmental sight-openings.

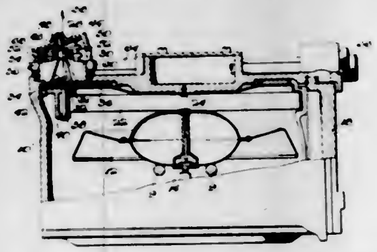
2,548,554
PROJECTION VIEWING APPARATUS
Wade S. Nivison, New York, and Elmer O. Wangerin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 28, 1949, Serial No. 90,088
11 Claims. (Cl. 88—24)



1. In a photographic viewing apparatus, the combination with a casing, an optical system within said casing including a film gate for supporting a film strip therebetween and having an optical axis extending longitudinally of said casing and for projecting an image of said film strip therealong, of a fixed reflecting means within said casing for directing said projected image in a substantially vertical direction, a movable turret rotatably mounted on said casing and including a screen at one end thereof and a reflecting means within said turret and for directing the reflected image from said fixed reflecting means to said screen, means on said casing for rotatably supporting said turret in any one of a plurality of positions with respect to said casing, an optical

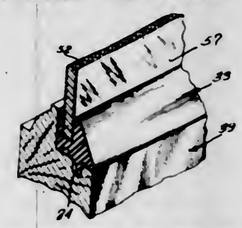
means rotatably mounted between said optical system and said fixed reflecting means for rotating the projected image in its own plane to provide an erect image on said screen, and means operatively connecting said turret and said optical means and operable upon rotation of said turret for rotating said optical means to maintain an erect image on said screen for all positions of said turret.

2,548,555
DEVICE FOR INTRODUCING MOTION INTO SEALED CASINGS
Paul A. Noxon, Tenafly, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 2, 1945, Serial No. 602,856
3 Claims. (Cl. 74—86)



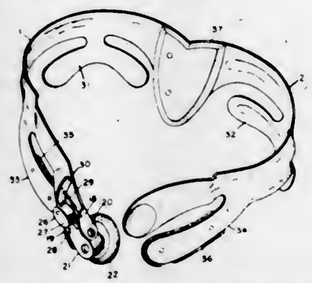
1. A device for transmitting rotary motion to a rotary member within a sealed casing from an external member, comprising an insert having a tapered opening therein and adapted to be hermetically sealed to a casing, a hollow member surrounding said insert and having its upper end formed to provide an inclined surface, a rockable cap bearing with its open end on the inclined surface of said hollow member for rocking movement about an axis passing through the center of said cap and perpendicular to the plane of said inclined surface, a flexible bellows in said cap having one end attached to the interior of said cap and the other end to said insert, and a lever pivoted intermediate its ends in said insert and having one end attached to the head of said cap and its other end projecting through said tapered opening for operating a rotary member in a sealed casing.

2,548,556
GLAZING STRIP
Ernest Ogden Ogren, Muskegon, Mich.
Application November 8, 1945, Serial No. 627,349
2 Claims. (Cl. 20—56.4)



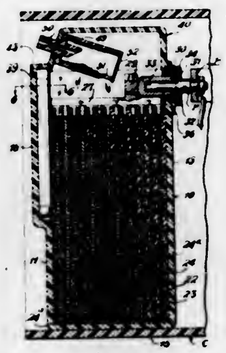
1. Means for retaining a glass pane in a sash having a substantially rectangular slot comprising a resilient strip, a tongue secured to said strip having the substantially triangular cross section engageable in a substantially rectangular slot and pressing against one wall and being spaced from the opposite wall thereof, grooves in said strip overlying a substantially plane surface of the sash, and means in said strip for lockingly engaging a pane.

2,548,557
ABDOMINAL TRUSS
Louis Puski, Cleveland, Ohio
Application October 26, 1949, Serial No. 123,747
3 Claims. (Cl. 128—96)



1. The combination with an abdominal truss including two hingedly joined, resilient plates curved to fit respective sides of the body of the wearer; of a mounting block having a depending portion, said mounting block being pivotally secured adjacent the free end of one of such plates whereby the distance the depending portion of said mounting block extends inwardly of such plate end may be varied, a transversely adjustable pressure pad resiliently supported by such depending portion, and an eccentric pivotally secured to such plate adjacent said mounting block, said eccentric and mounting block having interengaging projections whereby said mounting block may be retained in selected angular positions.

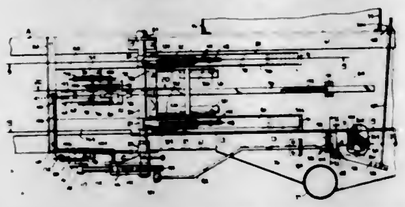
2,548,558
STORAGE BATTERY
Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application January 15, 1947, Serial No. 722,246
12 Claims. (Cl. 136—6)



1. A storage battery comprising an insulating casing including side walls and a cover sealed to said side walls, positive and negative battery plates in the casing in contact with an electrolyte therein, separate connecting means within said casing uniting the plates of opposite polarity, one

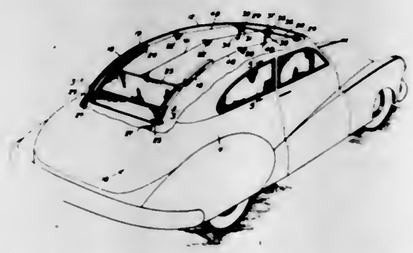
of the side walls of the casing having a pair of spaced openings therethrough intermediate the normal level of the electrolyte in the casing and the sealed cover thereof, and battery terminal members connected respectively with the battery plate connecting means interiorly of said casing, the said battery terminal members each having a portion extending respectively through one of said openings in sealed relationship with the casing, each of said battery terminal members having an opening extending longitudinally therein from the outer end thereof adapted to receive the end of an electrical conductor, the said openings in the terminal members terminating within the said members so that the side walls and bottoms of said openings are formed by continuous impervious portions of said members whereby the said conductor receiving openings are entirely sealed from the interior of the battery casing so that the electrolyte of the battery cannot come into contact with the conductors.

2,548,559
BALING MACHINE
Martin Ronning, St. Louis Park, and Kenneth M. Keith, Minneapolis, Minn., assignors to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application April 13, 1944, Serial No. 530,796
29 Claims. (Cl. 100—20)



9. In a baling machine, a reciprocating plunger, a latch means for arresting the plunger, said latch means including an actuating member operative in response to movement in one direction for latching the plunger and adapted to unlatch the plunger when moved in the opposite direction, and a rotatable tying needle operating member, said actuating member being connected eccentrically to said needle operating member for reciprocation in response to rotation of the operating member.

2,548,560
SCREENED VEHICLE WINDOW OPENING
Christopher Schembra, Glen Ridge, N. J.
Application August 29, 1947, Serial No. 771,354
2 Claims. (Cl. 160—89)



1. In a vehicle body having a window opening, a guide channel on each side of the window opening, each guide channel having a pair of longitudinally extending parallel guide grooves opening toward the opposite channel, a window sash slidably mounted in the guide grooves nearest the outside of the body, a roll screen mounted adjacent one end of the window opening, opposite side edges of the screen being slidable in the guide grooves opposite those in which the window sash is mounted, springs coupled to the window sash to move it into window closing position, spring means to move the screen out of window closing position, a shaft mounted in the vehicle body remote from the window opening, a winding drum mounted at each end of the shaft to rotate therewith, a winding drum mounted intermediate the ends of the shaft to rotate thereon, a flexible cable coupling the last named drum with the window sash, flexible cables coupling the first mentioned drums with the screen and means for operating the shaft and the intermediate drum.

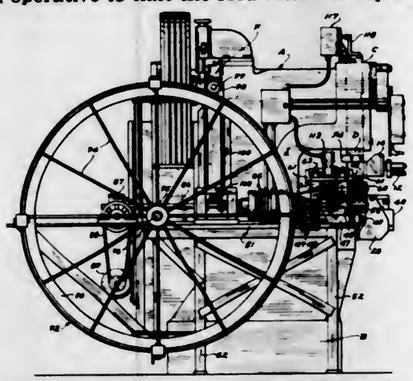
2,548,561
BOBBY PIN OPENER
John A. Sewol, Hempstead, N. Y.
Application July 16, 1947, Serial No. 761,302
2 Claims. (Cl. 132—1)



1. A hair-dressing accessory comprising an elongated wide member of uniform width having a thin portion of uniform thickness at one end adapted to be engaged between the legs of hairpins to support a plurality of such pins in side-by-side relation and having a thickness gradually increasing toward the other end, whereby upon translating each of said pins toward the other end the pin legs are gradually spread, said member having a recess formed in one edge of the variable thickness portion, said recess being large enough to accommodate the fingers holding said pin to facilitate spreading and removal of the pin when in spread condition, by a single movement of the fingers grasping the pin.

2,548,562
PUNCH PRESS CONTROL AND FEED MECHANISM
Arthur Slathar, Minneapolis, Minn., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application December 10, 1948, Serial No. 64,561
22 Claims. (Cl. 164—89)

1. For a press having a punch and a die surface, automatic material feed mechanism, comprising in combination, feed rolls for engaging and feeding the material over the die surface, drive means for the feed rolls, an electric control system for the drive means and for the punch and operative to halt the feed rolls then operates



the punch and again start the rolls, and said electric control system including a rotary template having radial irregulatrities on, its surface at predetermined intervals and at least one switch operated by said irregularities to cyclically operate the feed rolls and punch.

2,548,563
AIR-COOLED EXHAUST SILENCER
Ellis Smith, Bradford, England
Application September 24, 1948, Serial No. 51,049
In Great Britain July 22, 1947
2 Claims. (Cl. 181—43)

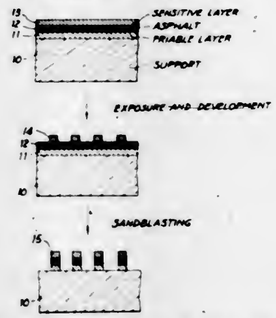


1. An exhaust silencer for an internal combustion engine, including an elongated tubular casing having an inlet port at one end and an outlet port at the other end; a series of substantially flat and transversely disposed plate portions spaced apart at intervals along the bore of the casing in mutual parallelism and peripherally in full contact with said bore, the plate portions having individual intermediate openings therein; a series of hollow truncated conical portions occupying the intermediate openings and individually projecting integrally from said plate portions in the direction of the outlet port, the truncated ends of said conical portions having individual orifices which progressively increase in diameter from the inlet port toward the outlet port, and the plate portions each having a series of Venturi passages which are axially substantially parallel to the central axis of said tubular casing and angularly spaced apart in each plate portion so as to surround the conical portion respectively associated with the plate portion involved; and an outer tube coaxially surrounding and spaced from the tubular casing, the outer tube having a perforate inlet end and a closed outlet end extending beyond the hollow truncated conical portion of the extreme plate portion nearest said outlet port, and the cylindrical wall of said tubular casing having an annular row of angularly spaced openings between said extreme plate portion and said outlet port forming open means of communication between the space located between the outer tube and the tubular casing and the outlet port of the latter.

2,548,564
PHOTOGRAPHIC SILVER HALIDE ELEMENT WITH MORDANTED DYE LAYER
Robert H. Sprague and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1946, Serial No. 719,623
6 Claims. (Cl. 95—8)

1. A light-sensitive photographic element comprising a support having thereon at least one silver halide emulsion layer and a layer of gelatin having distributed therein a substantially water-insoluble salt of a water-soluble acid dye with a quaternary ammonium salt of a polymerized heterocyclic compound selected from the class consisting of polymerized vinyl substituted azines, polymerized vinyl substituted azoles, and their homologues.

2,548,565
METHOD OF MAKING RELIEF PRINTING PLATES
Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 10, 1948, Serial No. 38,082
4 Claims. (Cl. 95—5.6)



2. The method of making a high relief photographic image, which comprises coating a support, in order, with a layer of a barium sulfate friable material, a layer of asphalt, and a light-sensitive bichromated glue layer containing a dispersion of soft acrylate resin, exposing said light-sensitive layer to light rays to render only portions of said layer water-soluble, washing away the soluble portions of said glue layer, and removing the asphalt and at least part of the friable material by sandblasting in those parts of the glue layer where the glue was removed.

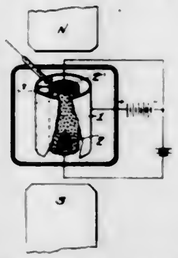
2,548,566
ISOLATED PHASE BUS STRUCTURE
James Walter Stafford, Montreal, Quebec, Canada
Application September 14, 1949, Serial No. 115,593
5 Claims. (Cl. 174—95)



1. In isolated phase bus structures, a bus bar assembly comprising a plurality of bus bars, each of said bus bars being of a somewhat clover-leaf cross section and consisting of a plurality of projections extending outward from the center and extending continuously along the entire length thereof, each of said projections increasing in width as they extend outward from the center of said bus bars, the outer surface of each of said projections having an arcuately shaped groove extending along the entire length thereof, the extreme outer surface of each of said projections on said bus bars being of an arcuate shape and the center thereof being the center of said bus bars, and said bus bars having V-shaped grooves formed between said projections thereon, support rings, insulators mounted on said support rings and substantially supporting said bus bars, straight couplers providing a means of connecting said bus bars in alignment with one another, the end portion of each of said bus bars being turned downward before the assembly thereof to said straight couplers, said straight couplers being of a cylindrical formation on the outer surface thereof and having the inner wall of a shape and form coinciding with that of the ends of said bus bars, each of said straight couplers having rows of tapered holes equally spaced apart and extending thereinto, the outermost portion of each of the tapered holes in said straight couplers being enlarged and internally threaded at the outer ends thereof and having slits cut thereinto and in alignment therewith, tapered plugs having an externally threaded portion on the outer end thereof, and said tapered plugs being inserted in the tapered holes in said straight couplers and being threaded thereinto, lubricating grease being applied to the ends of said bus bars and within said straight couplers before the same are engaged with one another, said tapered plugs then being tightened down in the tapered holes in said straight couplers and the slits in said straight couplers permitting the portions on each side thereof to be forced outward by said tapered plugs thereby substantially gripping the end portions of said bus bars, and enclosures secured to said support rings for isolating said bus bars and their couplers therein.

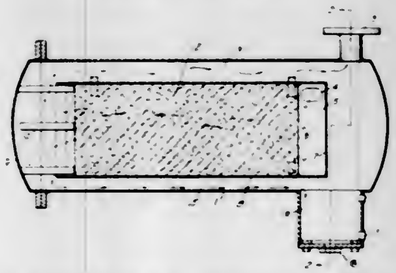
2,548,567
MAGNETRON OSCILLATOR
Maximiliaan Julius Otto Strutt, Kornelis Swier Knol, and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application September 18, 1946, Serial No. 697,770
In the Netherlands September 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 3, 1963
7 Claims. (Cl. 315—39)

1. A magnetron oscillator adapted to generate oscillations of the H_0 type at a predetermined wavelength, said oscillator comprising a virtual cathode system constituted by an electron emissive element surrounded by a tubular grid, a hollow cylindrical anode concentrically surrounding said grid, the opposing walls of said grid and said anode defining a waveguide, the mean value of



the circumferences of said grid and anode exceeding half a wavelength of said oscillations in free space, and means connected to said anode for applying a positive voltage thereto relative to said emissive element.

2,548,568
WATER SEPARATOR
Rehl W. Swank, Edinboro, Pa., assignor to Erie Meter Systems, Inc., Erie, Pa., a corporation of Pennsylvania
Application December 29, 1944, Serial No. 570,445
3 Claims. (Cl. 210—43)

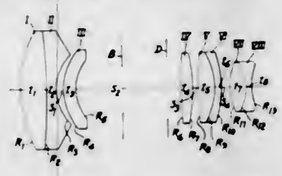


1. A water separator comprising a horizontal tank having at one end a sump and inlet and outlet fittings for connection in a gasoline line, an inner separator chamber within and spaced from the side walls of the tank and having a header closing one end and connected to the inlet fitting and its other end open and presented to and spaced from the opposite end of the tank, a water separating medium in the chamber, and a drain passage from the separator chamber to the sump.

2,548,569
REVERSED TELEPHOTO OBJECTIVE HAVING A HIGH-INDEX POSITIVE FRONT LENS ELEMENT
Karl Tolle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1949, Serial No. 125,414
11 Claims. (Cl. 88—57)

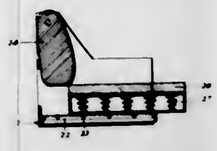
1. A photographic objective comprising a front negative member and a rear positive member in optical alignment and spaced apart by a distance which is more than 0.5F and less than 5F where F is the focal length of the objective as a whole, the powers of the two members being such that the back focal length of the objective is between 0.7F and 2F, in which the negative member is

meniscus in outward form and convex to the front and comprises a front positive element and a negative element closely adjacent thereto, these two elements combined having a power equal to or numerically smaller than that of the whole negative member, and in which the positive member comprises a rear component and at least one positive component in front thereof, at least one component of the positive member being compound and including an internal pair of surfaces of negative power for correcting spherical aberration, and the total of the airspaces within the positive member being between zero and 0.4F,



and which objective is characterized by the refractive index of the front element being between 1.69 and 2.00 and higher than that of the second element by between 0.18 and 0.5, by the mean curvature of the pair of internal surfaces separating these two elements being between $-0.4/F$ and $+0.2/F$, and by the rearmost component being meniscus in shape and having a power between $-1/F$ and $+1/2F$, wherein a "pair of internal surfaces" is defined as two closely adjacent surfaces which differ in curvature by less than $\pm 0.5/F$.

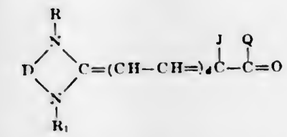
2,548,570
COUCH
John Clarence Udd, Montreal, Quebec, Canada
Application May 8, 1947, Serial No. 746,811
1 Claim. (Cl. 5—18)



In a couch, a bottom frame comprising an outer frame and an inner frame, end members supported by said bottom frame, a back brace connecting said end members, said outer frame of said bottom frame being rectangular and fixedly secured at the ends thereof to the inner side of each of said end members, said inner frame being of angle iron construction and rectangular in form and suitably secured within said outer frame, angle iron cross members being secured at the ends thereof to the inner face of the sides of said inner frame, said angle iron cross members being grouped in pairs, said angle iron cross members forming each pair being spaced apart from one another so that one side of the angles are parallel to one another and the other side of the angles are in alignment with one another, rollers rotatably mounted between said angle iron cross members forming each pair and extending thereabove, a back rest extending between said end members and being supported by said back brace, a pin at each end of said back rest pivotally connecting the latter to each of said end members, a stop strip adjacent to the rear side of said outer frame and being secured to the lower portion of said end members, said stop strip extending above said outer frame, a seat formation consisting of a box spring and a mattress supported thereon, said box spring sliding inward and outward with respect to the couch on said rollers and said stop strip determining the rearward movement of said box spring, said back rest being permitted to hinge upward on said pins thus releasing said mattress on said box spring and permitting the latter to be moved outwardly with respect to the couch, and said back rest being hinged downward and rearward thus engaging said mattress on said box spring and accordingly holding the latter in either an open position or a closed position with respect to the couch.

2,548,571
MEROCYANINE DYES CONTAINING A BENZIMIDAZOLE NUCLEUS
Earl J. Van Lare and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 21, 1948, Serial No. 28,537
8 Claims. (Cl. 260—240.4)

1. A dye selected from those represented by the general formula:

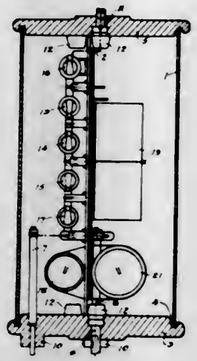


wherein R and R_1 each represents an alkyl group having the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 5, D represents a divalent organic radical selected from the group consisting of an o-phenylene group and an o-naphthylene group, J and Q together represent the nonmetallic atoms necessary to complete a heterocyclic nucleus of the 2-thiobarbituric acid series and d represents a positive integer from 1 to 3.

2,548,572
CATHODE-RAY TUBE EQUIPMENT
Alec Hervey Bennett Walker and Leslie Hurst Peter, London, England, assignors to Westinghouse Brake and Signal Company Limited, London, England
Application November 19, 1948, Serial No. 61,003
In Great Britain November 28, 1947
4 Claims. (Cl. 321—15)

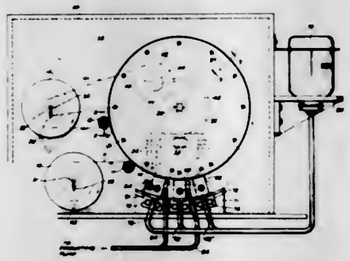
1. For a cathode ray tube equipment, such as a television receiver, having thermionic valves the anode circuits of which are supplied with unidirectional current of relatively high voltage from an alternating current source of lower voltage through a centre-tapped transformer and rectifier system, a self-contained unit device for producing a considerably higher uni-directional voltage from the centre-tapped transformer, comprising in combination, a panel; a plurality of dry surface contact rectifiers and condensers inter-connected to form a cascade voltage multiplier system and mounted on said panel; a tubular casing surrounding said panel; end plates closing the ends of said casing, respectively;

means associated with said end plates for supporting said panel; and means for connecting said



voltage multiplier system to the transformer and rectifier system.

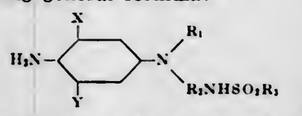
2,548,573
APPARATUS FOR PROCESSING CONTINUOUS FILM
Oliver J. Wampole and Fordyce M. Brown, Rochester, and Clifton M. Tuttle, Huntington Station, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 17, 1946, Serial No. 716,828
16 Claims. (Cl. 95—94)



1. A continuous film processing machine comprising in combination movable means for supporting a film strip flatwise with the exposed portion of its emulsion surface free from surface contact therewith; a plurality of stationary partitions spaced from one another along the film path, and each partition being adjacent and concentric to a portion of the length of said film supporting means and slightly spaced from the emulsion surface of the film thereon to form relatively narrow passages in combination therewith; means for continually supplying a quantity of developing solution into the passage formed between the emulsion surface of the film and the first of said partitions, means for continually supplying a quantity of fixing solution into a succeeding passage formed between the surface of the film and another of said partitions; means for moving said film supporting means at a constant known rate to advance the film through said processing solutions; and means for removing the superfluous developing and fixing solutions from the surface of said film immediately upon the film leaving each of said passages.

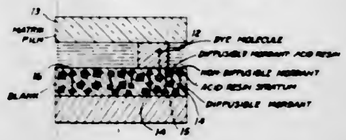
2,548,574
SULFONAMIDE SUBSTITUTED P-PHENYLENEDIAMINES CONTAINING O-ALKOXY GROUPS AS SILVER HALIDE PHOTOGRAPHIC DEVELOPERS
Arnold Weissberger, Dudley B. Glass, and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 27, 1947, Serial No. 731,420
11 Claims. (Cl. 95—88)

2. The method of developing a silver halide emulsion which comprises treating an exposed silver halide emulsion layer containing a latent image, with a solution containing a compound of the following general formula:



wherein X represents a member selected from the group consisting of hydrogen, alkyl groups, alkoxy groups and substituted alkoxy groups; Y represents a member selected from the group consisting of alkoxy groups and substituted alkoxy groups; R_1 represents a member selected from the group consisting of hydrogen, alkyl groups and substituted alkyl groups; R_2 represents an alkylene radical selected from the group consisting of ethylene and propylene; and R_3 represents a member selected from the group consisting of alkyl groups and hydrogen, for a sufficient time to develop the latent image to a visible silver image.

2,548,575
MORDANTED IMBIBITION DYE-PRINTING BLANK
Walter J. Weyerts, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 15, 1948, Serial No. 54,796
13 Claims. (Cl. 101—149.1)

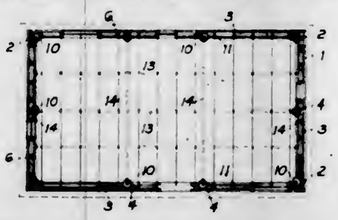


3. A premordanted dye imbibition blank comprising a support having thereon a layer of hydrophilic colloid containing a quaternized polyvinyl pyridine dye-mordant and in only the outer stratum of said layer a polymeric material selected from the class consisting of water-soluble polymerized acrylic acids, maleic anhydride-vinyl ester co-polymers and carboxy methyl celluloses and alkali soluble acrylic ester-acrylic acid co-polymers, polyvinyl phthalates and cellulose phthalates.

2,548,576
HOUSE OF SOLIDIFIED FOAM
Corwin D. Willson, Flint, Mich.
Application October 18, 1943, Serial No. 506,772
7 Claims. (Cl. 72—1)

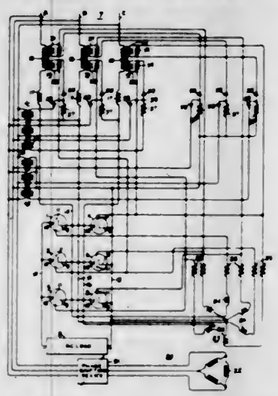
1. A building having a supporting framework and a framework-supported covering; the framework including lintel-like beams extending continuously on opposite sides of the building and

roof supports widely spaced on the beams and posts fixed to the beams directly under the roof supports and a continuous foundation under the posts; the covering comprising lightweight wall-thick panels of the non-loadbearing type and having dense opposite edges splined and continuously



sealed with the contiguous edges of adjacent panels; some of the taller of the side panels extending from the foundation to one of said beams and each of said posts being an integral part of one of said taller side panels and fixed therein midway between said opposite edges and laterally protruding from one face of the panel.

2,548,577
FAULT-SUPPRESSING CIRCUITS
Ernst F. W. Alexanderson, Albert H. Mittag, and Earl L. Phillipi, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 30, 1949, Serial No. 135,984
2 Claims. (Cl. 321—13)



1. In a rectifier of the grid-controlled type connected to an alternating current source and to a load device to be supplied with unidirectional current, the combination of a plurality of electron discharge devices each including a cathode, an anode and a control electrode, a firing circuit to cause firing of said devices and conduction of current thereby in a predetermined sequence, a current transformer arranged to sense the currents in said devices and including a plurality of secondary windings each having a current therein proportional to the current in one of said devices, and a plurality of fault-suppressing circuits each including in series relation the parallel combination of one of said secondary windings and a resistance connected thereacross, a unidirectional conductor, and a source of unidirectional bias voltage, each of said fault-suppressing circuits being connected between the cathode and control electrode of one of said devices and being arranged to delay firing of said device in response to excessive current in a preceding device in said firing sequence to limit the current in said first-mentioned device to a value within the commutating ability thereof.

2,548,578
LOCKING DEVICE FOR WINDOWS
Ernst Andersson and Carl Erik Fogde, Skonsmon, Sweden, assignors to Svartviks Aktiebolag, Sundsvall, Sweden, a corporation of Sweden
Application August 7, 1947, Serial No. 767,124
In Sweden October 29, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 29, 1965
2 Claims. (Cl. 292—141)

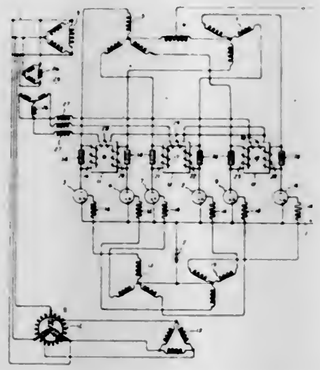


1. In a window having a window frame and a casement swingable about a horizontal axis in the frame, a locking device comprising a push rod slidably mounted at the lower portion of the window frame, a vertical locking rod movable at the vertical edge of the window for securing the vertical edge of the casement to the frame, a chain connected to and for transmitting movement between the push rod and the vertical locking rod, and a link having two spaced shoulders and connected to the chain, said push rod having an abutment projecting into the path between said spaced shoulders.

2,548,579
CONTROL CIRCUITS FOR ELECTRIC CONVERTING SYSTEMS
Burnice D. Bedford, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 7, 1949, Serial No. 131,650
1 Claim. (Cl. 321—11)

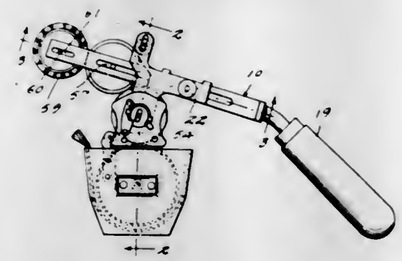
In an electric converting system, a supply circuit, a load circuit, and a converting apparatus interposed therebetween including a plurality of circuit interrupting devices, means to render said devices conductive during predetermined intervals, and means for controlling the current conducted by said circuit interrupting devices comprising a plurality of saturable reactors each having a main winding connected in series with one of said interrupting devices and an auxiliary winding to control the inductance of said main winding and connected in series with another of said interrupting devices, and a plurality of resistances having nonlinear volt-ampere characteristics, one of said resistances being associated with each of said reactors, said resistances being connected across corresponding windings of said

reactors to control the duration and magnitude of the voltages induced in said main windings fol-



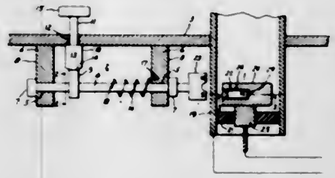
lowing circuit interruptions by said interrupting devices.

2,548,580
PAINT APPLICATOR
Max Bick, Philadelphia, Pa.
Application January 23, 1950, Serial No. 140,072
3 Claims. (Cl. 91—62.5)



3. A decorating device comprising a U-shaped frame having a plurality of spaced longitudinally extending oppositely disposed slots, a pair of arms depending from the parallel sides of said frame, means adjustably securing said arms on said frame, a reservoir, a pair of upstanding arms fixed to said reservoir, and each upstanding arm formed with an opening and a pair of diametrically opposed slots communicating with said opening, a cylindrical member carried by each depending arm loosely engageable in an opening of an upstanding arm, a pair of laterally projecting lugs carried by each cylindrical member engageable on the outer side of an upstanding arm for locking the depending and upstanding arms together, each cylindrical member having a cutout, a rockable locking member carried by each upstanding arm engaging in said cutout whereby to limit rocking movement of said depending arms relative to the upstanding arms, dipping rollers rotatably carried by and projecting into said reservoir, a decorating roller rotatably carried by said frame having opposite ends slidably carried by said slots, and a pair of transfer rollers rotatably carried by said frame interposed between said dipping and decorating rollers, peripherally engaging therebetween and having the ends of each of said last mentioned rollers slidably carried by a pair of oppositely disposed slots.

2,548,581
MAGNETIC SWITCHING DEVICE
John E. Bigelow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 4, 1949, Serial No. 79,538
1 Claim. (Cl. 200—87)



A magnetically actuated electrical switching device of the type described, comprising nonmagnetic inner and outer coaxial electrodes spaced apart and electrically insulated each from the other, said inner electrode having an inwardly extending radial bore, an electrically conductive permanent bar magnet slidably positioned within said bore so that the bar magnet can close an electrical circuit between said electrodes or open such circuit selectively depending upon its position, an actuating magnet having north and south magnetic poles positioned outside and adjacent to said outer electrode, and means to place the north and south magnetic poles of said actuating magnet selectively in proximity to the outer end of said bar magnet, whereby the bar magnet is moved selectively to its closed-circuit position or its open-circuit position by magnetic attraction and magnetic repulsion respectively.

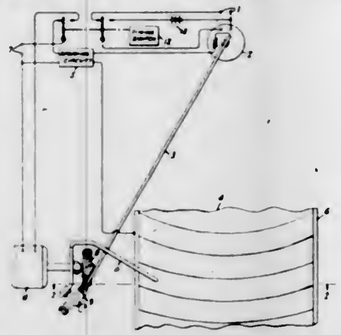
2,548,582
ABRASIVE SUSPENSIONS
Willis E. Boak, Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application September 26, 1947, Serial No. 776,405
3 Claims. (Cl. 51—304)

1. An abrasive suspension consisting of abrasive particles and a medium in which said particles are suspended, said medium being of the group consisting of ethylene glycol dioleate and ethylene glycol mono-oleate.

2,548,583
AUTOMATIC CLEANER FOR SPARKING STYLUSES
Clement L. Boyajian, George R. Rede, and Herbert M. Dimond, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 26, 1947, Serial No. 794,076
1 Claim. (Cl. 346—146)

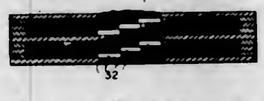
In an electric recorder having a sparking stylus positioned by a recording element, apparatus to periodically clean the stylus tip comprising a driven rotary brush, an electric motor adapted to rotate said brush, an idler rotary brush having a point of circumferential contact with the driven brush and having its axis at an angle of substantially 45 degrees to the axis of the driven brush, a stylus raiser adapted to guide the stylus into the cleaning position with its tip between the two brushes at their point of contact, and a timing

switch adapted to periodically interrupt the recording and apply a voltage to the recording ele-



ment, to swing the stylus into the cleaning position.

2,548,584
FILTER CARTRIDGE
Southwick W. Briggs, Bethesda, Md.
Application March 26, 1948, Serial No. 17,278
2 Claims. (Cl. 210—169)

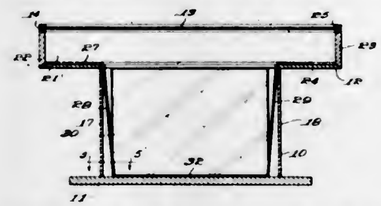


1. Apparatus for the filtration of liquids comprising identical discs of filter material stacked to form a tubular cartridge having a central opening, each of the discs having a continuous outer annulus with a web extending inwardly from the annulus over a minor sector of the disc, said web extending inwardly to the central opening, and the inner end of the web defining a portion of the central opening, said discs stacked with the outer annuli in vertical alignment and in continuous contact with the adjacent annuli, the discs being oriented with the web of one disc rotated from the webs of adjacent discs through an angle slightly less than the angle of the sector of the web to provide a continuous shelf extending the length of the cartridge within the outer annuli on which contaminants are deposited from the liquid during filtration, means engaging the ends of the cartridge to prevent flow of liquids therearound, and conduit means communicating with the central opening for the delivery of unfiltered liquid thereto whereby in operation liquid flows outwardly through the filter cartridge.

2,548,585
ALKYLATION OF UREA WITH OLEFINS
Herbert C. Brown, West Lafayette, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 12, 1948, Serial No. 59,757
15 Claims. (Cl. 260—553)

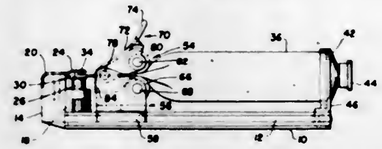
1. The process of alkylating a urea compound selected from the group consisting of urea and N-monoalkyl ureas, which process comprises contacting at least 2 mols of a tertiary olefin with each mol of said urea compound contained in a mixture of said urea compound and sulfuric acid, said mixture containing at least about 1.5 mols of sulfuric acid having a strength of at least about 75 weight percent per mol of said urea compound, effecting said contacting at a temperature between about —20° C. and about 25° C., and separating a N-t-alkyl urea and a N,N'-di-t-alkyl urea from the products of the reaction of urea, and separating a N-monoalkyl-N'-t-alkyl urea from the products of the reaction of an N-monoalkyl urea.

2,548,586
REFLECTOR COFFEE TABLE
Roy Bruner, Washington, D. C.
Application September 13, 1949, Serial No. 115,487
1 Claim. (Cl. 311—101)



In a coffee table, the combination which comprises a base, a hollow pedestal rectangular shaped in cross section extended upwardly from the base, mirrors in inclined positions around the inner surfaces of the walls of the pedestal, a mirror positioned on the upper surface of the base and located in the pedestal, an enlarged open box-like section extended continuously around the upper end of the pedestal, a mirror positioned on the upper surface of the bottom of the said enlarged box-like section, said mirror on the upper surface of the bottom of the box-like section having an opening therethrough in alignment with the top opening of the pedestal and a frame having a glass panel therein hinged to the upper edge of the said box-like section and providing a cover for the coffee table.

2,548,587
DISPENSING DEVICE FOR COLLAPSIBLE TUBES
Alvaro Cadalzo, New York, N. Y., assignor of one-half to M. Nathenson, Jersey City, N. J.
Application January 6, 1949, Serial No. 69,495
11 Claims. (Cl. 222—102)



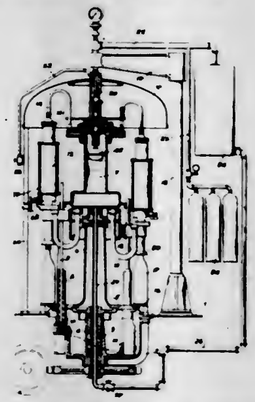
1. In a device for supporting a collapsible tube and dispensing the contents thereof, a base, a clamping mechanism carried by the rear portion of the base and adapted to engage the closed end of the tube, said mechanism comprising an upper jaw overhanging the base, a lower jaw intermediate the upper jaw and the base, one of the jaws being stationary and the other being movable relative thereto, and resilient means for normally urging the movable jaw toward the stationary jaw, a member mounted on the base forward of the clamping mechanism and adapted to removably support the discharge end of the tube, said member including a pair of spaced-apart parallel tongues adapted to register with and slide along corresponding grooves formed in the base, and means slidable along the base and movable longitudinally of the tube in the direc-

tion of its discharge end for compressing the tube to effect emission of the contents of the tube through the discharge end.

2,548,588
METHOD OF PREPARING LOW SPECIFIC GRAVITY LIGHT COLORED TANNIN
Gino Carrara, Milan, Italy
No Drawing. Application January 7, 1949, Serial No. 69,820. In Italy November 26, 1948
1 Claim. (Cl. 260—473.6)

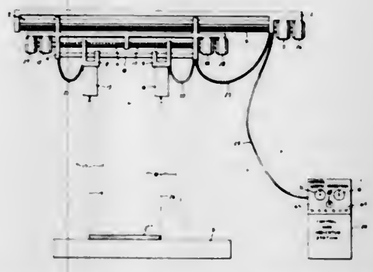
In a method for the recovery of a low specific gravity light-colored tannin from a member of the group consisting of quebracho wood, gambir leaves, mimosa bark, myrobalan fruit, divi-divi pods, and algarrobilla berries the steps of pulverizing the tannin containing material, charging the pulverized material into a vessel, percolating water through the charge, continuing the water percolation until 50 to 55 per cent of the tannin present in the charge is dissolved and an aqueous tannin solution is produced, concentrating the said solution to about 10 to 12° Bé., cooling the same to about 0° C., maintaining the solution for several days at this temperature, concentrating the same to about 20 to 30° Bé. and thereupon subjecting the solution to an extraction with ethyl acetate.

2,548,589
FILLING MACHINE FOR GASEOUS LIQUIDS
Paul Louis Chelle, Alfortville, France
Application November 25, 1947, Serial No. 787,999
In France December 9, 1946
24 Claims. (Cl. 226—116)



1. A bottle filling machine for gaseous liquids comprising a collector filled with liquid and gas, a plurality of filler nozzles, a plurality of intermediate containers each of them being adapted to be connected simultaneously with said collector and with one filler nozzle, means for isolating respectively each intermediate container from said collector and from the corresponding nozzle, means for supplying each intermediate container with liquid and gas from said collector when that one is isolated from the filler nozzle, means for filling each bottle with gas from the corresponding intermediate container through its filler nozzle, said intermediate container communicating with said collector, means for filling each bottle with liquid from the corresponding intermediate container through its filler nozzle when that one is isolated from said collector, means for preventing vitiation of the atmosphere of said collector by the atmosphere of the bottles and means for actuating intermittently and separately said isolating, supplying, filling and preventing means.

2,548,590
NONCONTACTING WIDTH GAUGE
Ellsworth D. Cook, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1950, Serial No. 153,412
12 Claims. (Cl. 250—219)



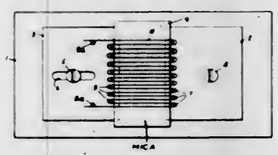
1. A non-contacting gage for measuring a dimension of an object, comprising two electron cameras positioned to view opposite edges of the object to be measured along parallel lines of sight, means to adjust the distance between said cameras to the normal value of the dimension to be measured, means for indicating the normal value of this dimension, means to provide simultaneous lateral scanning by said cameras of their respective fields of view, whereby said cameras produce electric signals as the respective edges of such object are scanned, the time relation of said signals depending upon deviation in such dimension from the normal value, and means responsive to the time relation of said signals for indicating such deviations.

2,548,591
WIRE WOUND RESISTOR
George C. Crowley, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 31, 1948, Serial No. 18,273
4 Claims. (Cl. 201—56)



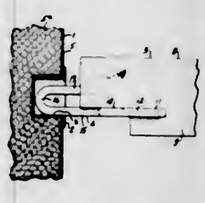
1. A resistance element comprising a plurality of wire resistance conductors formed into a multiple threaded helix, the multiple of the threads corresponding to the number of conductors, each conductor being electrically separated from adjacent conductors, insulating material molded about the outer surface of said helix, an end terminal for each of said conductors, and an independent U-shaped sheet metal member having threads formed on the arms of the U of the same pitch and multiple as said helix for engagement with the inside of the conductors making up said helix for electrically interconnecting said conductors, the base of said U-shaped member including means by which it may be rotated to change its relative position within said helix.

2,548,592
RESISTANCE STRAIN GAUGE AND METHOD FOR MAKING SAME
Dominick J. De Michele, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 26, 1949, Serial No. 112,614
1 Claim. (Cl. 201—63)



The method of making resistance type electric strain gauges which comprises placing a mica plate between two rows of pins on a winding jig, winding an electrically conductive filament around successive pins on opposite sides of the mica plate alternately so that the filament extends back and forth across the face of the mica plate, applying bonding cement upon the face of the mica plate to form a block of bonding material within which such filament is embedded, drying the cement sufficiently to permit handling thereof, the cement adhering to the mica without becoming permanently bonded thereto, and removing the assembled plate, filament, and cement from the jig.

2,548,593
SUPPORT FOR SHELF OR BASKET RAIL WITHIN A REFRIGERATOR
Horace W. Eagles, Erie, and Charles B. Martin, Wesleyville, Pa., assignors to General Electric Company, a corporation of New York
Application January 20, 1950, Serial No. 139,634
2 Claims. (Cl. 248—239)

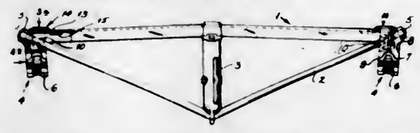


1. A horizontal supporting structure comprising a horizontal rail of inverted U-shaped cross section and supporting means therefor, a portion of each end of each of the side portions of said U-shaped rail being shaped to provide a supporting shoulder for said rail, a pair of generally U-shaped clips each pivotally connected to a corresponding end of said rail, each of the legs of each of said U-shaped clips including an extended portion, means for engaging said extended portions, and each of said legs further including an inturned portion engageable with said supporting shoulder in a predetermined position of said rail whereby each end of said rail is supported only when said rail occupies said predetermined position.

2,548,594
TREATMENT OF FERMENTATION PRODUCTS
Joseph Bernard Edmonds, Baltimore, Md.
No Drawing. Application April 2, 1948, Serial No. 18,721
3 Claims. (Cl. 99—105)

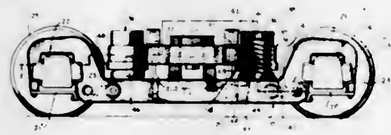
1. A process for removing excess tartrates from grape extracts comprising adding to a predetermined quantity of potassium bitartrate a substance having a pH of 7.8–8.2 in aqueous slurry thereof consisting of a compound selected from the group consisting of calcium oxide and calcium hydroxide admixed with a salt selected from the group consisting of calcium malate and calcium citrate, heating the solution, agitating thoroughly, and reducing the temperature of the solution to precipitate calcium tartrate, said substance being added in an amount equal to the weight of potassium bitartrate to be removed, said substance raising the pH of the clarified extract one unit.

2,548,595
RAILWAY BRAKE BEAM STRUCTURE
Herbert W. Ekholm, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 5, 1946, Serial No. 694,891
6 Claims. (Cl. 188—224.1)



1. In a railway truss type brake beam including a compression member and a tension rod with their end portions converging, a brake head receiving said end portions, said compression member having an aperture therethrough, an element extending through said aperture and being bent substantially at its center into a loop positioned at one side of said compression member, the ends of the element at the other side of the compression member being bent in opposite directions about said brake head to hold said brake head against accidental removal from said compression member.

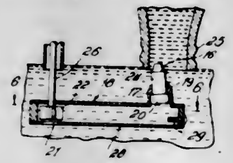
2,548,596
RAIL CAR TRUCK
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 23, 1944, Serial No. 569,492
2 Claims. (Cl. 105—208.1)



1. A rail car truck comprising an independent side frame or equalizer on each side, two pairs of wheels supporting the side frames near their ends, a transverse frame or transom arranged in longitudinal direction between the wheels and extending in transverse direction from side frame to side frame, and spring devices on each side of the truck between the four corners of the transverse frame and the side frames, said spring de-

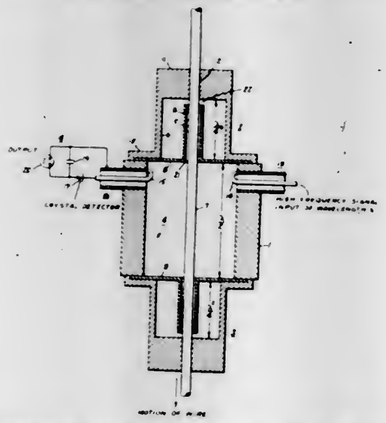
vices comprising generally cylindrical telescoping members enclosing coil springs, said members being rigidly secured to the side frames and the transverse frame respectively and serving, through the engagement of their cylindrical surfaces, substantially as the sole means for holding the central portions of the two side frames together and for transmitting horizontal forces between the side frames and the transverse frame, an amount of play being designedly provided between said telescoping members sufficient to allow tilting of the transom with respect to the side frames or equalizers about horizontal transverse and longitudinal axes without binding between said members.

2,548,597
SIRUP AGITATOR FOR LIQUID DISPENSING DEVICES
Samuel H. Ellison, Riverside, Ill., assignor to Tru-Ade, Inc., Chicago, Ill., a corporation of California
Application April 23, 1945, Serial No. 589,883
7 Claims. (Cl. 259—95)



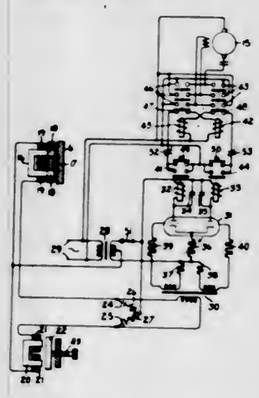
1. In a liquid dispensing device for dispensing drinks including syrup of natural fruit drinks containing pulp or solids, a container for the syrup disposed in inverted position and means for agitating the syrup in the container, said means including a nozzle disposed adjacent the open end of the container for projecting a stream of the syrup into the contents of the container.

2,548,598
APPARATUS FOR DETECTION OF FLAWS BY MEANS OF MICROWAVES
George E. Feiker, Jr., Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application February 17, 1950, Serial No. 144,630
3 Claims. (Cl. 175—183)



1. Detector apparatus for detecting flaws in wire-like conductors comprising a cavity resonator having walls of high current flow, choke means located in two of said walls permitting the passage of said wire-like conductor through said cavity resonator, said choke means comprising with said wire-like conductor a section of short circuited transmission lines having a high current flow region adjacent said walls, means supplying high frequency signals to said cavity resonator, detecting means for detecting changes in the signal level due to imperfections in said wire-like conductor.

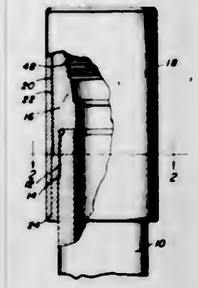
2,548,599
CLEARANCE CONTROL
Donald E. Garr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 2, 1948, Serial No. 57,925
1 Claim. (Cl. 241—37)



Apparatus for controlling the clearance between two refining plates of a rotary disk pulp refiner having a thrust bearing screw for adjusting such clearance, comprising a non-magnetic insert extending through one of the refining plates, an alternating-current bridge circuit including first and second reactors each having U-shaped cores, the first reactor core being positioned with its open end adjacent to said insert on the side opposite the other refiner plate, magnetic legs extending from the ends of the first reactor core through said insert, a magnetic member adjustably spaced from the open end of the second reactor core, a phase-sensitive relay connected to respond to unbalance of the bridge circuit, and a motor controlled by said relay and connected to turn the thrust bearing screw.

2,548,600
TOOL JOINT
Walter W. Gill, Riverton, Wyo.
Application April 29, 1948, Serial No. 24,032
2 Claims. (Cl. 308—4)

1. In a tool joint, the combination of a tubular coupling having a screw-threaded outer surface provided with a longitudinally extending groove and with a bay extending laterally from said groove, an internally screw-threaded sleeve positioned on said coupling and having its inner surface provided with a longitudinally extending groove and with a bay extending laterally from the last-mentioned groove, the groove and bay of said sleeve being registerable with the respective groove and bay of said coupling, and a filler of fusible material provided in the registering grooves and bays for locking said sleeve and said coupling against relative rotation.



2,548,601
ANTITIPPING AND BUMPER STRUCTURE FOR BABY CARRIAGES
Louis Gottfried, New York, N. Y.
Application October 25, 1949, Serial No. 123,357
10 Claims. (Cl. 280—47)



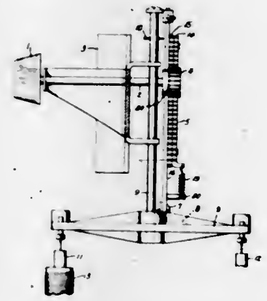
1. In a baby carriage, a propelling handle secured to one end of the carriage, a running gear and a carriage body having an upper frame, a bracket member secured to the rear end of said upper frame disposed in downward direction and at the end of said carriage opposite said propelling handle, and terminating on each side of said carriage body, a U-shaped member pivotally secured to the lower ends of said bracket member, the base of said U-shaped member being disposed at the level of and adjacent to the rear end of the upper frame of said carriage body in one operative position when operating as a bumper and adjacent the ground in another operative position when operating as anti-tipping device, and means for retaining said U-shaped member in the said two operative positions.

2,548,602
INFLATABLE DILATOR
Leonard Greenburg, New York, N. Y.
Application April 9, 1948, Serial No. 20,024
16 Claims. (Cl. 128—4)

6. A surgical accessory for examining and treating internal body cavities, comprising a flexible, open-ended rubber tube having a plurality of longitudinally extending passages extending substantially the entire length of the tube and disposed within the tube walls, means hermetically closing the ends of said passages, and means for admitting fluid pressure into said passages, thereby to subject the accessory to the effect of the fluid pressure confined within the said passages.

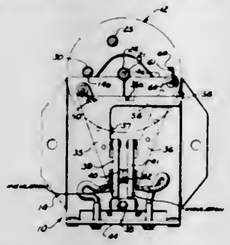


2,548,603
ZERO BACKLASH GEAR DRIVE
Eric A. Hallstrand, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 28, 1947, Serial No. 788,563
2 Claims. (Cl. 74—440)



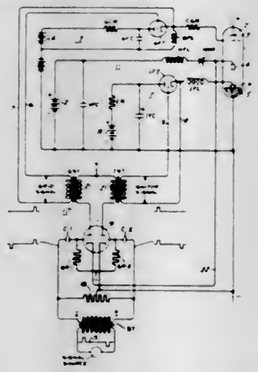
1. A gear mechanism comprising a shaft, a pinion mounted on said shaft, a rack pivoted at a point remote from said pinion, said pinion and said rack having meshing teeth, spring means engaging said rack at a point remote from said pinion in a direction opposite that of said pivot point for urging said rack into engagement with said pinion, and a disk-like rolling member carried by said shaft and adapted to make a rolling contact with a further member fixed to said rack when said rack and said pinion are brought into operative engagement by said spring means, said rolling member and said further member being so dimensioned that the teeth of said rack and said pinion mesh substantially on the pitch line of said teeth.

2,548,604
AUTOMATIC RESETTING TIMING SWITCH
Robert H. Hickey, Glastonbury, Conn., assignor to Haydon Manufacturing Company, Inc., Torrington, Conn., a corporation of Connecticut
Application May 20, 1948, Serial No. 28,083
11 Claims. (Cl. 200—33)



1. In a timer having a drive shaft arranged to be rotated by an electric motor and including a clutch for disengaging the same automatically upon de-energization of the motor, the combination comprising a rotatable member adapted to be rotatively advanced by said drive shaft, first and second opposed electrical contacts both biased in the same direction, means including a cam on said rotatable member for moving said contacts in unison against the force of said bias and then releasing said contacts, a stop arranged on said rotatable member for positioning thereby to restrain said first contact against movement and thereby to enable the second contact to move relatively thereto, and a return spring for biasing the rotatable member against motor torque so that upon cessation of such torque said stop is retracted and said first contact freed for relative movement.

2,548,605
EXCITATION AND CONTROL SYSTEM FOR ELECTRONIC DEVICES
James E. Hudson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 22, 1950, Serial No. 175,378
11 Claims. (Cl. 315—271)



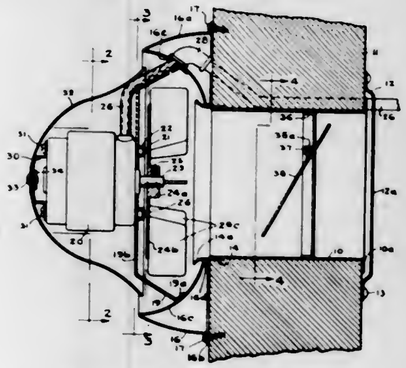
1. In combination, electric valve means of the ionizable medium type having a cathode, an ignitor, and a control grid, a firing circuit for energizing said ignitor, a control circuit for said grid, first electric valve control means for controlling the energization of said firing circuit, second electric valve control means for controlling the energization of said control circuit, a signal source for producing a first signal and a second signal, the time between said signals being predetermined, circuit means interconnecting said source and both said valve control means for supplying each of said signals to each of said valve control means, each of said signals being effective to render one of said valve control means conductive and being ineffective to cause the other of said valve control means to conduct current.

2,548,606
FOLDING GAME BOARD WITH PLAYING PIECE RECEPTACLES
John E. Huffaker, Portland, Oreg.
Application February 24, 1950, Serial No. 145,969
6 Claims. (Cl. 273—136)



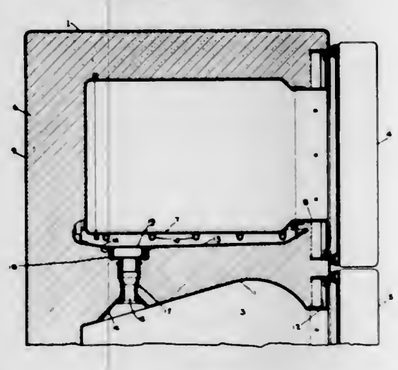
4. A game board comprising a frame including an upper side and side edges, an upwardly opening receptacle secured to and disposed along one side edge of said frame, spacing members secured on said upper side extending transversely with respect to said side edge, a panel forming a playing surface superimposed on and secured to the spacing members and spaced from said upper side to define a space between the upper side and panel opening outwardly of said side edge and above and adjacent said receptacle, a substantially flat closure for closing the open top of said receptacle, said closure extending into and slidably engaging in the space between the upper side and panel and being retractable into said space for exposing the open top of the receptacle.

2,548,607
VENTILATOR
Louis J. Jenn, Berea, Ohio
Application July 2, 1945, Serial No. 602,796
12 Claims. (Cl. 98—116)



1. A ventilating device having in combination, a conduit adapted to be disposed in a passage extending through a wall and extending through said passage and projecting at one side thereof, an annular member disposed against said wall at said end having an inner wall into which said conduit extends, said inner wall having a concave surface sloping downwardly to its outer edge at its bottom, a bracket secured to said inner wall, a motor mounted on said bracket and having a driving shaft, a fan mounted on said shaft and disposed within said annular member, and a casing of general semi-spherical shape surrounding and coaxial with said motor having an annular wall extending laterally a short distance into but having its edge spaced from said inner wall, said casing adjacent said annular member having a flaring portion with an outer concave surface whereby moisture will drain from the bottom portion of said casing to said inner wall and will be directed outwardly by said inner wall.

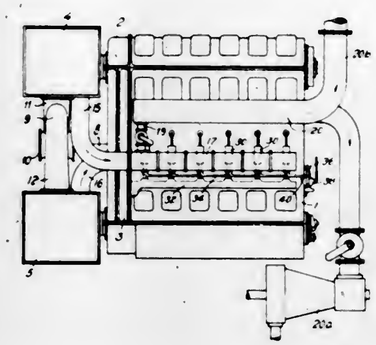
2,548,608
FLOW-CONTROLLING DEVICE FOR REFRIGERATORS
Alfred G. Janos, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 18, 1946, Serial No. 716,933
13 Claims. (Cl. 62—3)



1. A cabinet for refrigerators and the like comprising means defining a compartment maintained at a low temperature, means defining a second compartment maintained at a higher temperature, a low temperature zone adjacent said low temperature compartment, means providing a passage for communication between said low temperature zone and said higher temperature compartment, and a freezable element positioned within said passage, said element having the characteristic of changing in size on freezing to control communication through said passage.

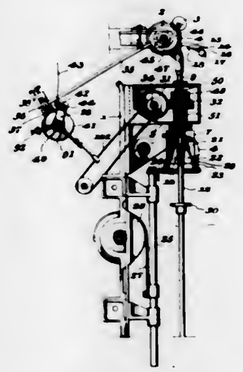
2,548,609
COMPRESSOR ARRANGEMENT FOR INTERNAL-COMBUSTION ENGINE EXHAUSTING COMBUSTION PRODUCTS TO ANOTHER ENGINE
Johan Erik Johansson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application September 29, 1944, Serial No. 556,432
In Sweden November 20, 1943
1 Claim. (Cl. 60—13)

A pressure gas power plant comprising an internal combustion engine of the opposed piston type and having a pair of spaced engine shafts, means operatively connecting said shafts to each other and to a driven shaft, a positive displacement rotary air compressor connected to each engine shaft so as to be driven thereby, a dynamic air compressor between the rotary compressors and connected to said driven shaft, means for supplying air from said dynamic air compressor to said displacement compressors, said displacement compressors having air discharge outlets, said engine on opposite sides thereof having distributing chambers communicating with said discharge outlets, a second engine separated from said internal combustion engine, means for supplying exhaust gases not finally expanded in said



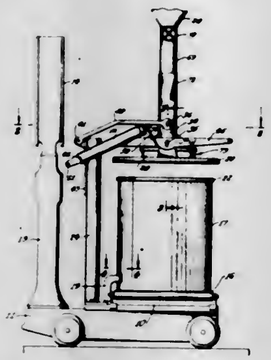
internal combustion engine to said second engine, and means for controlling the supply of fuel to said internal combustion engine to maintain substantially constant the pressure of said exhaust gases.

2,548,610
SPINNING MACHINE
Oswald Lambert, Tamise, Belgium
Application February 24, 1947, Serial No. 730,454
In Belgium October 4, 1945
7 Claims. (Cl. 57—67)



1. A spinning machine, comprising a delivery cylinder, a downwardly enlarged hollow cone, means rotating said cone, a spindle, a conical portion on said spindle, the transverse dimension of said conical portion decreasing along the length of said hollow cone progressively from the upper end of the spindle from a maximum down to the spindle body diameter, means for rotating said spindle without axial displacement independently of said hollow cone, a guide tube having its axis coinciding with that of said spindle, a thread guide, means for rotatably driving said guide by said cone, and means imparting to said guide an up and down movement parallel to the axis of said spindle.

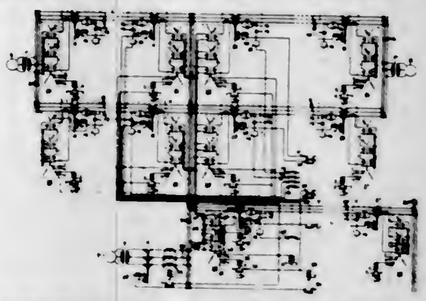
2,548,611
APPARATUS FOR FILLING AND WEIGHING CONTAINERS
John A. Maslin, Claymont, Del., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application April 27, 1945, Serial No. 590,663
3 Claims. (Cl. 226—19)



1. Container filling and weighing apparatus comprising a weighing platform adapted to hold a container, a rigidly supported rim attached to said container and surrounding a filling opening, a hood adapted to contact said rim and cover said opening, means for feeding dusty solid material thru said hood, hood suspension means comprising a support carried by said weighing platform, an operating arm pivoted to said support and operable to raise and lower said hood, a guide arm pivoted to said support and adapted to maintain said hood relatively horizontal when said hood is adjacent said rim, a housing pivoted to said support and having a spring mounted therein, said spring being connected to said operating arm and adapted, when in axial alignment with the pivot points of said operating arm and said housing, to maintain said hood in a neutral position out of contact with said rim, and when out of such alignment, to hold said hood in dust-tight contact with said rim during filling of the container and to retain said hood in a retracted elevated position above said rim before and after filling of the container.

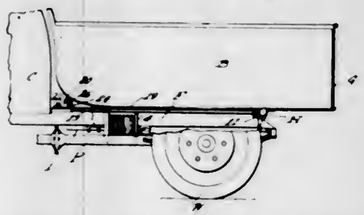
2,548,612
SYSTEM OF BACKUP PROTECTION AND CARRIER-CURRENT BLOCKING FOR AN ELECTRICAL POWER SYSTEM
Andrew J. McConnell, Delmar, N. Y., assignor to General Electric Company, a corporation of New York
Application February 25, 1949, Serial No. 78,386
6 Claims. (Cl. 175—294)

6. A backup protection and carrier current relay blocking arrangement for a power system having an electrical bus and at least two power sources and at least two carrier current relayed transmission lines connected thereto and at least one of the power sources being connected to the bus through one of the transmission lines comprising a three-zone distance relay for each carrier current relayed line, each of said distance relays having a substantially directional third zone unit, contact means on the third zone unit of each of the distance relays, a control circuit means electrically connected to each of said contact means and connections for electrically connecting said control circuit means to a source of control current to initiate in response to operation of any one of said relays for predetermined electrical conditions on said power system the



transmission of carrier current signal in at least the carrier current relayed line or lines other than the line with which that particular relay is connected.

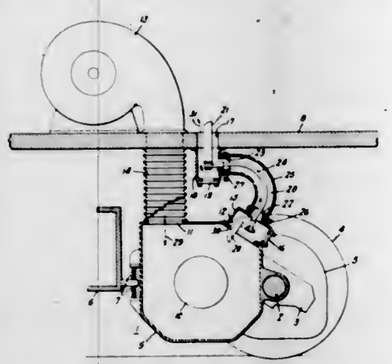
2,548,613
CABLE CONTROLLED DUMP BOX
Alon A. Monson, Livingston, Mont.
Application June 11, 1947, Serial No. 753,849
1 Claim. (Cl. 298—21)



In an operating mechanism for a dumping vehicle having a frame, and a tilting body hingedly connected to the rear end of the frame, traction rails on the frame and complementary elevating rails on the underside of the body, the improvement comprising a carriage having a pair of relatively spaced supporting blocks, and a cross brace joining said blocks, a pair of axles journalled in said blocks in parallel relation to each other, traction rollers on the opposite ends of said axles for engaging the traction rails on the frame, a third axle journalled in said blocks above said first pair of axles and elevating rollers on the opposite ends of said third axle for engaging the elevating rails of the body, a manually controlled reversible drum and operating means journalled on said frame at right angles to the path of travel of said carriage, a cable on said drum trained over sheaves carried by said frame and said carriage and fixed at one end to said frame so that when said drum is operated said carriage will be caused to reciprocate over said traction rails and cause said body to be raised to dumping position or lowered to load retaining position.

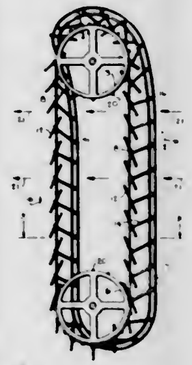
2,548,614
VENTILATED ELECTRICAL CONDUCTOR FOR RAILWAY MOTORS
William W. Peters, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 10, 1950, Serial No. 148,873
5 Claims. (Cl. 172—36)

1. In a vehicle having a body and a traction motor with an outer casing member having an opening therein, means in said body for circulating cooling medium through said motor, and a ventilated lead for said motor comprising an electrical conductor connected to said motor for conducting power thereto, and a tubular member surrounding said conductor having one end there-



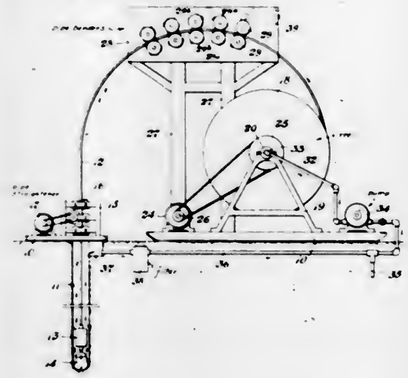
of secured to said casing member and communicating with said opening, the interior walls of said tubular member being spaced from said conductor providing a cooling medium passage whereby cooling medium from said motor is circulated through said tubular member for cooling said conductor.

2,548,615
BLOWER
Václav Petr, Jr., Brno, Czechoslovakia
Application February 25, 1948, Serial No. 10,830
In Yugoslavia December 3, 1939
6 Claims. (Cl. 230—240)



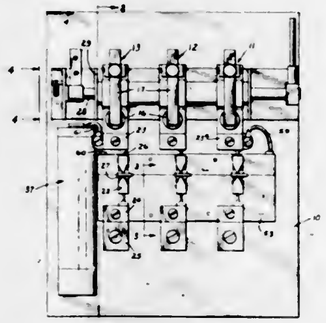
1. A fan comprising two endless bands, adjacently located supports for said bands and means to uniformly move said bands over said supports, successive blades located between and rotatably carried by said two bands, a guide rail located in adjacent relationship to at least one band, cranked shafts rotatably carried by said band and said rail and connecting said blades and said guide rail whereby the blades during the travel of said bands are inclined by said guide rail in such a manner that the air is unidirectionally sucked into the fan at its one side and forced from the same by the blades at the opposite side.

2,548,616
WELL DRILLING
George Dawson Priestman, Tulsa, Okla., and Gerald Priestman, Elizabeth, N. J.
Application February 2, 1948, Serial No. 5,776
8 Claims. (Cl. 255—4)



1. A well drilling unit comprising a motor, a well drilling bit connected to the motor for actuation thereby, means for raising and lowering said motor and bit in a well bore comprising a string of drill pipe, said pipe being characterized by being a single uninterrupted length of substantially rigid metal well drilling pipe capable of being bent beyond its elastic limit, means for feeding said drill pipe from a position wherein the pipe is normally disposed on the surface of the ground neighboring said well to the substantially vertical position of the pipe within the well wherein the drilling requires application of curvature to said pipe beyond the normal elastic limit thereof, said feeding means comprising a pipe curving means.

2,548,617
CIRCUIT BREAKER
Liborio Purpura, Wheeling, W. Va.
Application August 18, 1948, Serial No. 44,960
1 Claim. (Cl. 200—87)



In a circuit breaker having a base formed of insulating material, a fixed contact carried by said base, an upstanding mount disposed from said fixed contact and insulated therefrom, a rockable lever carried by said mount having a movable contact engageable with said fixed contact, said lever having an extended end extending outwardly from said mount and disposed op-

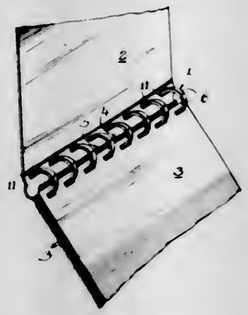
posite said movable contact, spring means engaging said extended end constantly urging said contacts together, a rotatable shaft carried by said base and disposed under said rockable lever, a cam rotatably carried by the shaft for engagement with said lever on rotation of said shaft to rock the contacts apart, a circular plate carried by said shaft for rotation therewith, said plate having an over center spring means for biasing said cam to and from cammed engagement with said rockable lever, an arm having one end secured to said shaft with an opposite end free for movement, a trip means having a solenoid adapted to be connected in circuit with said fixed contact for energization on a change in the circuit characteristics, said solenoid having an armature confronting said arm for engagement with said opposite end to rotate the shaft from a cam free to a cam engaged position on energization of the solenoid.

2,548,618

LOOSE-LEAF BINDER

Judson A. Purvis, Chicago, Ill.

Application February 18, 1946, Serial No. 648,386
5 Claims. (Cl. 129—1)



1. A loose leaf binder comprising a cover formed of a single sheet provided with a front and back, a pair of complementary sections each provided with a backing member and spaced arcuate projections, spaced slots provided in the back and front of the cover loosely receiving the arcuate projections, interengaging means on the backing members for retaining the sections assembled when the backing members are placed in parallel position and moved longitudinally and relative to each other into abutting and coinciding relation, said slots being staggered in the front and back of the cover and of such length as to permit the sections to be quickly moved relative to each other and laterally of the cover and into and out of assembly, and when assembled, the cover is held firmly against relative movement with respect to the sections.

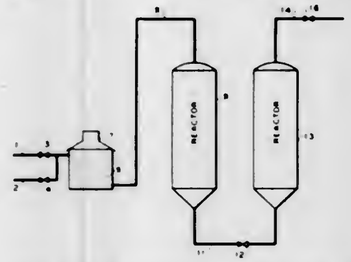
2,548,619

REMOVAL OF ACETYLENE FROM HYDROCARBON MIXTURES

Gardner C. Ray, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 28, 1948, Serial No. 35,536
6 Claims. (Cl. 260—677)

1. A process for the removal of acetylene from a gaseous hydrocarbon mixture which comprises adding to said mixture an amount of oxygen slightly in excess of that amount required to completely oxidize said acetylene and passing said oxygen containing mixture over a catalyst comprising a difficultly reducible metal oxide selected



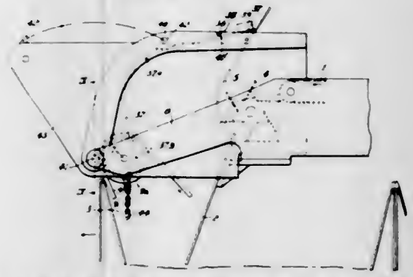
from the group consisting of porous alumina, magnesium oxide, calcium oxide, and barium oxide at a temperature of 350 to 450° C.

2,548,620

COLLECTING MECHANISM COMPRISING A ROTATING LEVELING ROLLER FOR MOVING TRAYS OF CIGARETTES

Felix Frederic Ruau, Deptford, London, England, assignor to Molins Machine Company Limited, London, England, a British company

Application February 23, 1949, Serial No. 77,826
In Great Britain March 11, 1948
5 Claims. (Cl. 226—5)



1. Collecting mechanism of the kind referred to, in which cigarettes are delivered into successive trays of a series advancing along a substantially horizontal path, said mechanism comprising a levelling roller rotatably mounted and so positioned that its lower surface engages cigarettes being delivered and means for first rotating said roller so as to sweep cigarettes toward the leading end of the tray and then, when the rear end of the tray approaches the roller, rotating said roller in the opposite direction so as to sweep surplus cigarettes backwards.

2,548,621

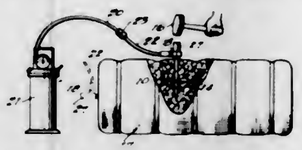
PENETRATING FIRE EXTINGUISHING NOZZLE

Allan Rutledge, Fort Worth, Tex., assignor to L. M. Turnage, Tarrant County, Tex.

Application March 1, 1948, Serial No. 12,405
1 Claim. (Cl. 299—110)

In a fire extinguishing device, in combination, a tubular body having a longitudinal passage therethrough, a pointed head of hardened material secured to one end of said body and adapted to penetrate through dense, fibrous bodies, a plurality of lateral ports in said body communicating with said tubular passage therein, a flange formed on said body spaced from its end opposite said pointed head, a fitting arranged in the upper

end of said body and communicating with the said passage therethrough providing means for connecting a fire extinguisher to said body, and



a driving sleeve embracing said upper end of said body and said fitting whereby to provide a driving head for said assembly.

2,548,622

FIRING MECHANISM FOR SUBMACHINE GUNS

Frederick W. Sampson, Dayton, Ohio, and George J. Hyde, Brooklyn, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

Application August 14, 1946, Serial No. 690,518
2 Claims. (Cl. 42—69)



1. A firearm comprising a trigger, a tripper having a depending hook on one end thereof and mounted on the trigger for vertical and horizontal movement, a sear engaged with the tripper, and selector means in the path of vertical movement of the tripper with the trigger and in the path of horizontal movement of the tripper on the trigger adjustable to one position and shaped to cam the tripper along the path of its horizontal movement on the trigger to clear said sear under movement of the trigger to a predetermined firing position after said sear has been actuated to firing position, and in another position to receive the tripper thereagainst in movement with the trigger, said selector means comprising a rotatable shaft on an axis transverse to the firearm and extending substantially therethrough, and shaped at one side into a recess longitudinally of the said shaft forming a cam with shoulders on each side of the said recess, the said depending hook being positioned in said recess between the said shoulders at the said one position of said tripper and trigger and throughout the rocking and sliding movement of said tripper, said selector means movable at will to the said other position in an oppositely disposed position relative to the tripper to receive the said depending hook thereagainst and between the said shoulders to prevent the movement of the said tripper to clear the sear.

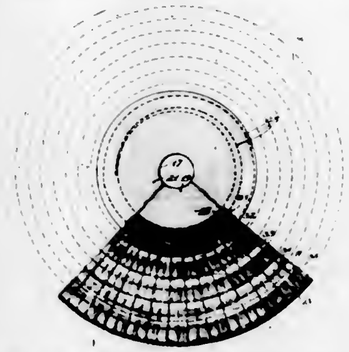
2,548,623

BUFFING WHEEL

Carl F. Schlegel, Brighton, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application October 17, 1947, Serial No. 780,468
2 Claims. (Cl. 51—193)

1. A buffing wheel having a body formed of a plurality of superimposed layers of fabric material of arcuate shape with substantially concentric arcuate warp strands and with substantially radial weft strands of a series of different lengths, each weft strand of a length shorter than the longest lying in juxtaposition



to another weft strand of the same length on one side and a weft strand of a longer length on the other side.

2,548,624

ELECTRIC INDUCTION APPARATUS

Ivanhoe H. Sclater, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application February 5, 1946, Serial No. 645,650
5 Claims. (Cl. 175—356)

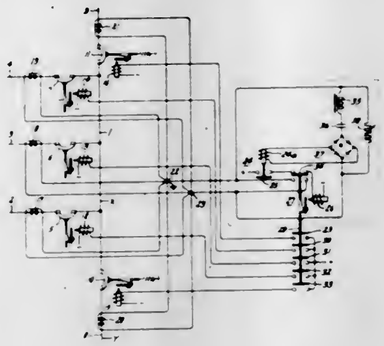
2. A long legged rectangular magnetic core comprising, in combination, two separately preformed long straight legs, and two pre-formed generally U-shaped bundles of radially nested flatwise curved magnetic laminations, the ends of said U-shaped bundles of laminations having complementary unevenly spaced surfaces which will interfit to make low reluctance magnetic joints, said bundles being separated by a distance corresponding to the length of said long legs, said long legs each comprising a bundle of straight flat laminations of magnetic material, said legs being spaced apart parallel to each other with the longitudinal center lines of all their laminations in the same plane which constitutes the plane of the window of said long legged core, the planes of the individual leg laminations being perpendicular to the plane of said window, one pair of adjacent ends of the respective long legs having uneven surfaces which are complementary respectively to the ends of one of said U-shaped bundles and being interconnected by said U-shaped bundles with said complementary ends interfitted to form low reluctance joints, the other pair of adjacent ends of the respective long legs having uneven surfaces which are complementary respectively to the ends of the other of

said U-shaped bundles and being interconnected by said other U-shaped bundle with said complementary ends interfitted to form low reluctance joints, the curved center lines of all of the laminations in both of said U-shaped bundles being in the same plane with the straight longitudinal center lines of said leg laminations.

2,548,625
DIFFERENTIAL PROTECTIVE ARRANGEMENT

Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application July 30, 1948, Serial No. 41,657
14 Claims. (Cl. 175—294)



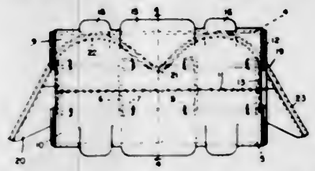
6. An internal fault selective arrangement for protecting a portion of an alternating current electric power system comprising a separate circuit interrupter for each circuit leading into and out of such portion of the system, a separate saturable-core current transformer in series with each circuit interrupter, a relay having an operating winding connected in a sufficiently high impedance circuit in parallel with the secondary winding of each transformer to prevent operation of the relay by the limited voltage across any transformer secondary upon saturation of the transformer during an external fault, means controlled by the relay for tripping said interrupters upon operation of the relay in response to the increased voltage produced by said secondary windings during an internal fault in said portion of the system and a voltage limiting device connected with the secondary winding of each transformer for limiting the increase in voltage produced for operating the relay under internal fault conditions.

2,548,626
TRACK SHOE

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application March 22, 1944, Serial No. 527,617
5 Claims. (Cl. 305—10)

1. A vehicle track shoe comprising a bearing unit formed of substantially parallel tubes and spacers spaced longitudinally of and extending transversely of and united to said tubes and a casing encircling said bearing unit and having portions engaging said tubes and spacers, and means for uniting said casing to said tubes and certain

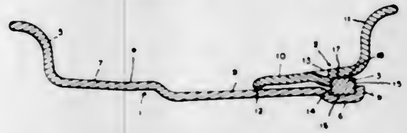


of said spacers, said means forming a watertight seal.

2,548,627
RIM

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application April 7, 1947, Serial No. 739,773
4 Claims. (Cl. 152—410)

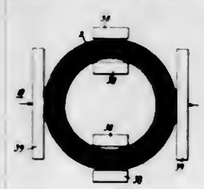


1. A rim comprising an endless sheet metal annular base member having an annular gutter at one edge terminating in an annular wall presenting a substantially radial surface, a detachable endless sheet metal tire retaining member encircling said base member and having an annular series of angularly spaced generally radially inwardly extending hollow depressions presenting an annular series of substantially radial shoulders and a transversely split clamping ring member extending within said gutter and located between said base and tire retaining members and abutting said surface and shoulders, said gutter, tire retaining member, and clamping ring member when in operative position having generally radially facing contacting surfaces and said clamping ring member having radial dimensions greater than the normal radial distances between the radially facing contacting surfaces of said gutter and tire retaining member and exerting radial pressure on said base and tire retaining members.

2,548,628
METHOD OF MAKING LAMINATED MAGNETIC CORES

Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 21, 1946, Serial No. 655,961
1 Claim. (Cl. 29—155.61)

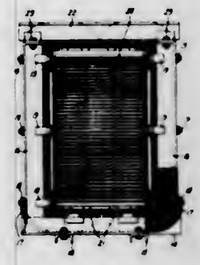


The method of making a laminated magnetic core including the steps of cutting a plurality of uniformly different length pieces from a long strip of magnetic material, punching a hole in each piece, flatwise stacking said pieces on top of each other in the order of their length with said holes in registration, inserting a pin in said registering holes, flatwise bending said stacked strips to form a closed circular loop core with one joint in which each piece forms a complete separate layer of said loop, placing rigid rectangular shaping blocks in contact with the inside and outside of said circular core loop at diametrically opposite locations thereon, said joint being adjacent to but to one side of one pair of said blocks, said pieces being longer than necessary to wrap around the next innermost piece, applying compressive force to said circular core loop along a diameter thereof which is at right angles to the diameter upon which said shaping blocks are located by means of parallel pressure plates movable toward each other on opposite sides of said circular core loop, said circular core loop being thus reshaped entirely by compressive forces directed inwardly against its outer surface into a generally rectangular shape and being clamped between the ends of said blocks and the surfaces of said movable plates, the excess material in said pieces resulting from their being longer than necessary to wrap around the next innermost piece being forced into the corners whereby said corners are more squared than rounded, and strain relief annealing said core.

2,548,629
ELECTRICAL INDUCTION APPARATUS

Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 5, 1947, Serial No. 752,620, which is a division of application Serial No. 655,961, March 21, 1946. Divided and this application November 4, 1949, Serial No. 125,564
1 Claim. (Cl. 175—356)



A stationary electric induction apparatus comprising, in combination, a curved core having a central winding leg and oppositely extending yoke portions, said core having a generally rectangular outer configuration with rounded corners, a winding on said winding leg, a frame having two generally rectangular fabricated structural members of substantially the same configuration as the outer configuration of said core mounted respectively against the front and back of said core, cross pieces extending between said rectangular frame members for fastening them together, a plurality of flexible metal straps attached to two of said cross members on opposite sides of said core for cradling the bottom of said core and supporting its entire weight while at the same time conforming to the curvature of its bottom corners, and coil supports mounted on said frame for engaging the bottom of said winding and maintaining it in proper position on said winding leg.

2,548,630
METHOD OF PREVENTING CORROSION IN PIPE-LINE TRANSPORTATION OF REFINED PETROLEUM OILS

Leonard V. Sorg, Richard E. Dickey, and William A. Weaverling, Kansas City, Mo., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 21, 1947, Serial No. 769,990
3 Claims. (Cl. 44—70)

1. The method of preventing corrosion in a ferrous metal conduit carrying hydrocarbon products having a boiling range outside the gasoline boiling range, the steps which consist of reducing the water content below that necessary to saturate the products at the highest temperature encountered in the line but in considerable excess of that necessary to saturate the products at below about 30° F., and commingling with said hydrocarbon products in the absence of separated water a small amount of an organic solution of an oil-soluble, moisture-stabilizing agent selected from the class consisting of the preferentially oil-soluble alkali metal salts of dioctyl ester of sulfosuccinic acid, the amount of said moisture-stabilizing agent being at least about 5 P. P. M. and sufficient to prevent the formation of a separate water phase when the temperature of said hydrocarbon product is subsequently reduced to below about 30° F., thereby maintaining said conduit free from a separate aqueous phase at temperatures above about 30° F.

2,548,631
BRUSH HOLDER ASSEMBLY

Glenn D. Stapleton, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

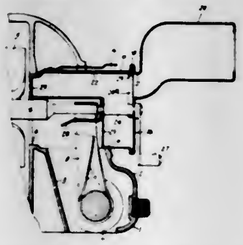
Application June 17, 1949, Serial No. 99,646
2 Claims. (Cl. 171—323)



1. In a brush holder assembly adapted to be arranged in an opening in the stationary shell of a dynamo-electric machine, a brush holder tube having a longitudinal slot for supporting a brush in contact with the current collector of the machine, a spring member for biasing the brush toward the current collector, and a cap member having radially extending wings adapted to be inserted axially into said longitudinal slot for compressing said spring member, the outer surface of said cap member being substantially flush with the outer surface of the stationary shell when assembled; the walls of said brush holder having transverse slots communicating with said longitudinal slot at the end thereof adjacent the outer surface of said stationary shell, said radially extending wings adapted to be rotated to engage

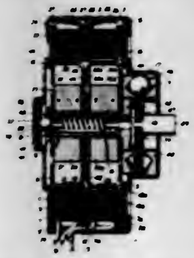
the transverse slots of the brush holder tube and to be retained therein by the force of said spring member on said cap member.

2,548,632
VACUUM CLEANER ATTACHMENT COUPLING AND BELT LIFTER
Thomas F. Stent, Coventry, England, assignor to General Electric Company, a corporation of New York
Application September 20, 1944, Serial No. 554,917
In Great Britain December 21, 1943
4 Claims. (Cl. 15—332)



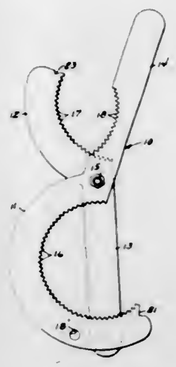
4. In a vacuum cleaner having a body, a fan chamber, a fan therein, a suction nozzle, and spaced walls including an outer wall of the cleaner body defining a passage between the fan chamber and the nozzle, said walls having aligned openings, one of said openings being the fan inlet, a suction tube having an air passage which extends along the full length of the tube adapted to be removably positioned in the body opening and engage the wall forming the fan inlet, a fan motor, a shaft projecting from said motor through the fan inlet into said first mentioned passage, a belt in said first mentioned passage driven by the shaft, re-entrant walls on said tube extending over the shaft and on opposite sides of the belt whereby the tube is insertable through the body opening to engage the fan inlet wall without removing the belt from said shaft, means on the tube for blocking the fan inlet between said re-entrant walls, a prong positioned between said re-entrant walls and pivoted on the tube to rotate in an arc about the shaft, and means for rotating said prong for lifting the belt clear of said shaft.

2,548,633
DYNAMOELECTRIC MACHINE
Hugh M. Stephenson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 28, 1947, Serial No. 771,073
13 Claims. (Cl. 172—120)



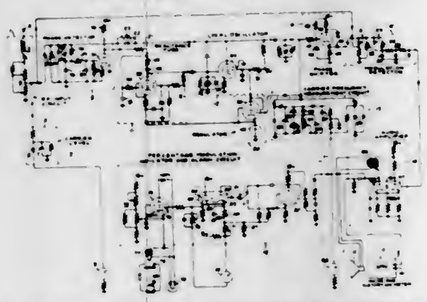
12. A self-starting synchronous electric motor comprising a stator including a plurality of superposed polar sections each constituted of an annular hollow body of magnetizable material having two annular sides, an exciting coil located within said annular hollow body, the inner edge of said sides being provided with a plurality of laterally extending teeth arranged equidistantly along the internal periphery of said edge, the teeth of one edge being located in the spacings between the teeth of the other edge to constitute a plurality of opposite polar teeth in alternate succession, means to connect each of said exciting coils to one of the phases of a multiphase alternating current supply source to shift the phase of the magnetic exciting field of one of said coils with respect to the magnetic exciting fields of the adjacent coils, a rotor mounted within said stator and including an equal number of superposed polar sections each including a plurality of teeth constituting opposite poles in alternate succession with a polar spacing equal to that of the stator, and permanent magnet means mounted on each section of said rotor to polarize the teeth of each of said rotor sections oppositely in alternate succession, the polar sections of said stator being mounted with their poles in mechanical alignment while the polar teeth of one polar section of said rotor are mounted with a mechanical phase difference with respect to the teeth of the adjacent section, said mechanical phase difference being substantially equal to the electrical phase difference between the phases of said multiphase alternating current supply source.

2,548,634
PIVOTED LEVER JAR CAP REMOVER
James Elliott Stump, Grand Junction, Colo.
Application July 19, 1946, Serial No. 684,668
1 Claim. (Cl. 81—3.44)



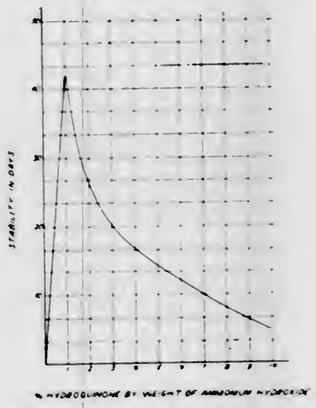
In a jar cap remover having a pair of curved jaws in parallel planes, with one of said jaws being of greater length than the other of said jaws, a handle formed integral with and in the same plane as each jaw and pivoted together in overlapping relation to each other and the inner edges of said jaws having tooth formations thereon, the improvement comprising curved inner gripping teeth on the inner edge of the handle formed on the larger jaw so that when the handles are pivoted the gripping teeth on the other of said jaws will coact with the teeth on the inner edge of the handle to engage a jar cap therebetween.

2,548,635
MONITOR FOR AMPLITUDE MODULATED SIGNALS
Harry R. Summerhayes, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1949, Serial No. 101,051
6 Claims. (Cl. 332—39)



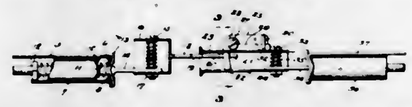
5. A monitor for an input signal, said signal comprising a radio frequency component, said monitor comprising local oscillator means, means to synchronize said oscillator means with said component in frequency and phase normally to provide an unmodulated signal from said oscillator means in phase with said component, said synchronizing means being effective only over a predetermined limited range of frequencies, an exalted carrier detector circuit connected to receive said input signal and said unmodulated signal, and means responsive to the output of said detector circuit to indicate departures from normal of said output when said component and local signal differ in frequency.

2,548,636
STABILIZED CUPRAMMONIUM HYDROXIDE SOLUTION AND METHOD OF PREPARING THE SAME
Clark E. Thorp, Chicago, Ill., assignor to Hawley Products Company, St. Charles, Ill., a corporation of Delaware
Application May 29, 1946, Serial No. 673,139
11 Claims. (Cl. 23—55)



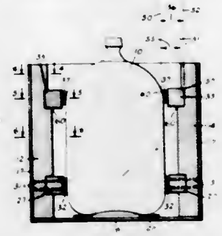
5. A method of preparing a stable cuprammonium hydroxide solution which comprises incorporating with comminuted copper from .05% to 2.0% by weight of the ammonium hydroxide present of a substance selected from the class consisting of hydroquinone, resorcinol and paramethylaminophenol, covering the resulting mixture with ammonium hydroxide, and bubbling air through said aqueous ammonium hydroxide.

2,548,637
HITCH
John Nethaniel Tweedy, Worden, Ill.
Application November 30, 1948, Serial No. 62,721
1 Claim. (Cl. 213—179)



In a coupling device a pivotal connection carried by one car to be coupled; a T-shaped latch member mounted on said connection for pivotal movement in a horizontal plane only and for up-and-down sliding movement; a pivotal connection carried by another car to be coupled; a flared housing mounted on said second-named pivotal connection for pivotal movement in a horizontal plane only, said housing having up-and-down sliding movement on its connection; an overbalanced fork pivotally mounted upon the upper wall of the housing and overbalanced upon its mounting in a manner whereby the arms of said fork normally extend downwardly to fill the space between the upper and lower walls of the housing, the lower wall of the housing having an opening through which the lower ends of the fork arms extend, said T-shaped latch member adapted to extend into the housing and interengage behind the fork arms; and the upper and lower walls of the housing being spaced apart a substantial distance to permit free up-and-down movement of the T-shaped latch member within the housing.

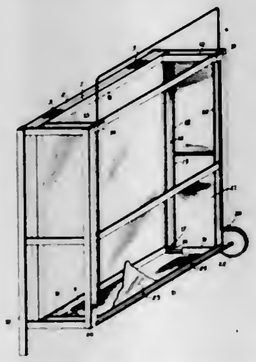
2,548,638
BOXED CARBOY
William E. Watson, Bloomfield, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Continuation of application Serial No. 585,406, March 29, 1945. This application April 25, 1947, Serial No. 743,923
5 Claims. (Cl. 217—53)



1. In a material handling package comprising a rigid housing and a frangible container cushioned therein, the improvement for tightly but latchedly wedging said container in said housing comprising a resilient cushion member, a vertically disposed planar seat for said member rigidly supported by the wall of said housing and positioned at a point near the upper end of the container, a horizontally disposed lower stop face for the said member rigidly supported by the wall of said housing and intersecting the lower edge of said seat and terminating in the opposite di-

rection in an outer edge close to the adjacent face of the container, vertically disposed planar guide surface accessible from the top of the container and extending downwardly and terminating at the elevation of the upper edge of said seat, said planar surface being positioned radially substantially farther from the adjacent face of the container than is the said outer edge of said lower stop face but not farther from said stop face edge than the vertical plane of said seat, and means including the expansive stress created in said cushion member by compression thereof between said seat and said container for non-fixedly and latchedly holding said cushion member in operative container wedging position against said container, said seat and said lower stop face.

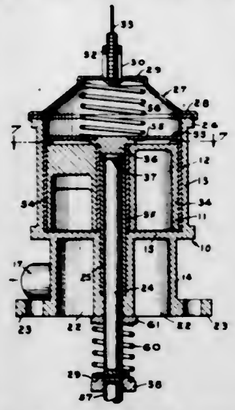
2,548,639
PICNIC BASKET WITH FOLDING TABLE AND BENCHES
Edna Weamer, Chicago, Ill.
Application February 14, 1947, Serial No. 728,568
2 Claims. (Cl. 190—12)



1. The combination of a basket, folding table and folding chairs, comprising a detachable U-shaped leg on one end of the table, hook and eye means on the table and basket for supporting the other end of the table in an operative position, a folding chair having detachable U-shaped legs, a partition in the basket to set off a space to receive the table when folded, partitions in the basket to receive a plurality of folded chairs, bushings on a lower portion of the basket into which the free ends of the detached leg of the table can be sprung, brackets on an upper portion of the basket to secure the detached table leg at a point spaced from the free end of the leg, the distance between said bushings and the top of said basket being less than the length of said table leg, whereby the U-shaped end of said detached table leg projects above the top of the basket to form a handle, and wheels mounted on the basket.

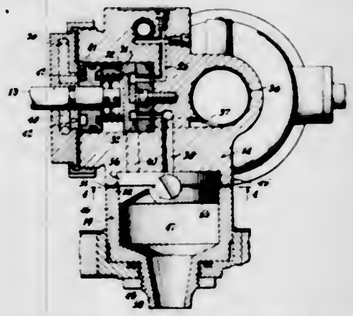
2,548,640
FUEL PUMP
Harry J. Welch, Walled Lake, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application March 31, 1947, Serial No. 738,417
10 Claims. (Cl. 103—154)

1. A pump comprising a casing having a cylinder, a body member supported within the cylinder in concentric relation to the inner wall of the cylinder and cooperating with said inner cylinder wall to form an annular space, inlet and outlet passages formed in the body and communicating with the interior of the cylinder, a piston having a cylindrical skirt slidably supported in the annular space aforesaid and in slidable engagement with both the inner and



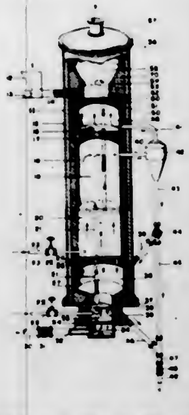
outer walls of said space, said piston having a head portion located between said body and one end of the cylinder, means for reciprocating said piston, and check valves supported by the body member in positions to alternatively open and close the passages upon movement of the piston in opposite directions in the cylinder.

2,548,641
APPARATUS FOR MIXING AND DISPENSING BEVERAGES
Jack Van Horn Whipple, New York, N. Y., assignor to I. Lefkowitz & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application September 23, 1949, Serial No. 117,318
12 Claims. (Cl. 259—4)



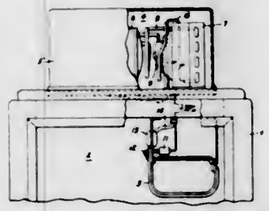
1. In a beverage dispensing apparatus, the combination of a valve assembly having a water outlet port and a syrup outlet port, a housing secured to said valve assembly over said ports having a mixing chamber provided with a dispensing outlet, and mixing means between said chamber and said ports having a pair of intersecting inlet passages with respective inlet ports in fluid flow connection with said outlet ports and having an outlet passage in fluid flow connection with said inlet passages formed with an opening constructed and arranged to direct water and syrup against the inner wall of said mixing chamber.

2,548,642
CALCINING DECREPITATING ROCKS, INCLUDING LIMESTONE
Frank S. White, Stockbridge, Mass., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application June 11, 1948, Serial No. 32,355
5 Claims. (Cl. 263—53)



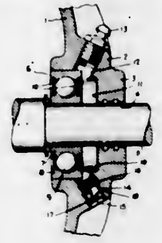
1. The process of heat-treating decrepitatible limestone materials to yield lime under efficient thermal conditions, which comprises preheating fluidizable finely divided limestone in a limestone preheating zone, transferring such limestone to a subjacent calcining zone, maintaining a bed thereof in said zone heated to calcining temperature, supplying gas at fluidizing velocity to said zone, removing such gas with entrained lime particles from the calcining zone, passing removed gas through a lime solids-diminishing station external to the respective zones, and supplying the solids-diminished gas to the limestone preheating zone at fluidizing velocities.

2,548,643
REFRIGERANT FLOW CONTROLLING DEVICE
Willis R. Whitney, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 9, 1946, Serial No. 708,963
8 Claims. (Cl. 62—127)



1. In a refrigerating system including a high side and a low side, an evaporator on the low side, means including a restricting conduit for conducting refrigerant from said high side to said evaporator, and means for maintaining the pressure in said restricting conduit above a predetermined minimum at which freezing of moisture would occur, said last-named means including a second conduit of larger cross-sectional area having moisture absorbing material therein extending across the entire cross-sectional area thereof, said second conduit being disposed between said restricting conduit and said evaporator the length and density of said moisture absorbing material in said second conduit being selected so that the relative resistances to flow of refrigerant offered by said conduits are such that any pressures below said predetermined minimum will occur in said second conduit and any freezing of moisture will be localized in said moisture-absorbing material.

2,548,644
BEARING ASSEMBLY
Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application June 3, 1948, Serial No. 30,890
6 Claims. (Cl. 308—187)

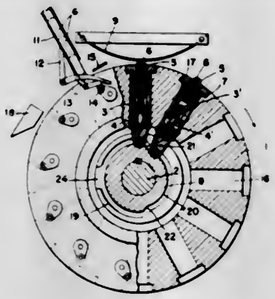


1. In combination, a bearing housing having a grease retaining cavity formed therein and a grease escape passage formed in a wall thereof, means for introducing grease into said cavity, and pressure relief means disposed within said wall and actuated in response to excessive grease pressure in said cavity for allowing escape of said grease, said last mentioned means comprising, a closure member seated in the external opening of said passage, and a spring member in said passage and held in tension between said closure member and the inner opening of said passage for resiliently holding said closure member in said external opening for closing said passage against the escape of grease when said pressure is below a predetermined amount and for allowing said closure member to open said passage to permit the escape of said grease when said pressure exceeds said predetermined amount.

2,548,645
MACHINE FOR TESTING AND CLASSIFYING TUBES CLOSED AT ONE END
Donald George Ashcroft, Saltcoats, and Ian Fraser Stewart, Kilwinning, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application January 7, 1949, Serial No. 69,776
In Great Britain February 23, 1948
11 Claims. (Cl. 73—43)

1. A machine for testing and classifying by means of suction tubes of relatively greater length than diameter and closed at one end comprising a cylindrical member adapted to rotate about a fixed horizontal axis, a plurality of piston operated syringes mounted substantially radially in said cylindrical member, each of said syringes being provided with a hollow needle adapted to receive thereon a tube to be tested, a tube seating positioned around each of said needles at a dis-

tance from the end thereof permitting the open ends of tubes of a predetermined standard length to make contact with said seating, and a stationary cam mounted on said horizontal axis



adapted to actuate each of the pistons of said syringes for producing a vacuum in non-defective tubes and thereby retaining them on said seating during a portion of a cycle of rotation of said cylindrical member.

2,548,646

MOLDPROOFING MINERAL COATED PAPERS

John A. Bicknell, Westbrook, and Stanley J. Johnson, Portland, Maine, assignors to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application January 2, 1946, Serial No. 638,710

3 Claims. (Cl. 106—15)

1. Process which comprises mixing with casein in aqueous medium sodium salt of pentachlorophenol and sodium pyrophosphate, in amounts individually insufficient to solubilize the casein but sufficient in toto to form a uniform stable dispersion of casein in water, the sodium pyrophosphate content being about 5% by weight of the casein content, and thereafter dispersing aluminum flake therein to yield a paper coating composition.

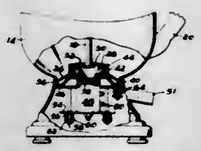
2,548,647

ELECTRIC PERCOLATOR

Philip D. Blewett, Oakland, Calif.

Application September 5, 1947, Serial No. 772,289

1 Claim. (Cl. 219—43)



An electrically heated percolator comprising: a base support unit, a heating element secured to said base support, a coffeemaking receptacle resting on said base support, the under surface of said receptacle including a protuberant boss of a shape conforming to the upper surface of said heating element, said boss having formed thereby an inverted frusto-conical cup having an altitude less than its major diameter, and manually detachable spring-urged bayonet type connectors arranged peripherally around and below said cup for securing said receptacle to said support and assuring firm contact between the boss and the heating element.

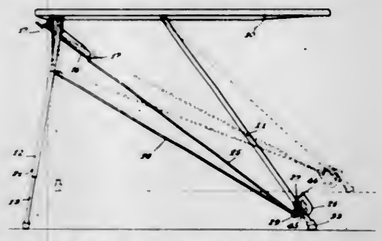
2,548,648

IRONING BOARD WITH ADJUSTABLE SUPPORTING LEGS

Earl C. Booth, Columbus, Ind., assignor to Arvin Industries, Inc., a corporation of Indiana

Application March 28, 1949, Serial No. 83,813

5 Claims. (Cl. 38—117)



1. In a collapsible ironing board, a top, rear legs pivoted to said top near the rear end thereof and swingable between a collapsed position close to the top and an extended position generally perpendicular to the top, a front leg pivoted to the top at an intermediate point and swingable between a collapsed position adjacent the top and an extended position in which it is inclined forwardly and downwardly, each of said rear legs comprising two members relatively adjustable to vary the length of the leg, a compensator pivoted to said front leg near the free end thereof, links connecting said compensator to the rear legs, a brace connected to said compensator and extending therefrom to a point adjacent the rear end of the top, releasable latch means co-operating with said brace to hold the front leg in extended position, and adjustable means acting between said front leg and compensator to limit movement of the compensator about its axis of pivotal mounting on the front leg.

2,548,649

MECHANICAL PENCIL WITH LEAD SHARPENING DEVICE

William E. Brady, Parma, Ohio

Application December 7, 1949, Serial No. 131,640

1 Claim. (Cl. 120—15)



The combination with a lead pencil including a main portion in which the lead of the pencil is secured, and a tapered end member having swivel connection therewith, through which the pencil lead extends, said tapered end having a longitudinally disposed recess, a lead sharpening blade movable longitudinally of the recess, said blade having an elongated opening formed therein, one wall of the opening forming a blade for sharpening lead with which the blade contacts, and the outer end of said blade being beveled providing an auxiliary cutting edge whereby the lead of the pencil is beveled into chisel-like form.

2,548,650

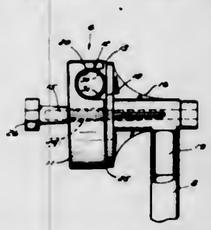
ADJUSTABLE CLAMP FOR LIGHT SHIELDS

Robert J. Brandt, Los Angeles, Calif.

Application October 2, 1946, Serial No. 700,782

2 Claims. (Cl. 287—14)

2. A clamp comprising a clamping member having a clamping face having a U-shaped groove extending across said face at one side thereof, said groove forming a seat for a rod or pipe and being of less depth than the diameter of the rod or pipe, a cooperating clamping member having an annular rough face extending around said last mentioned clamping member and overlying said groove in position to grip the rod or pipe in said groove, said clamping member having a central bore at one side of said groove and said cooperating clamping member having a threaded bore coaxial with said annular rough face, a clamping bolt for said bores, said cooperating clamping member having a stub behind said rough face, said stub extending substantially at a right angle to said threaded bore, and a supporting member comprising a pipe fitting over said stub and secured thereto.



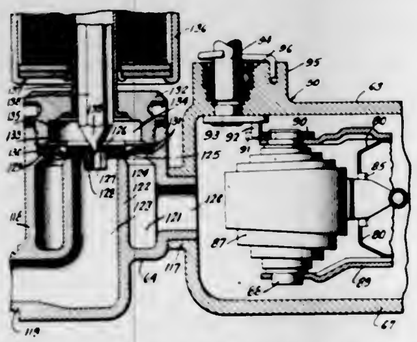
2,548,651

FLUID CONTROL SYSTEM FOR LAUNDERING APPARATUS

Thomas B. Chace and Clyde A. Brown, Chicago, Ill., assignors to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application March 20, 1944, Serial No. 527,190

20 Claims. (Cl. 68—12)



1. In combination, apparatus for the performance of a plurality of cleansing operations including a container for cleansing fluid, timer means for directing the operation of the cleansing apparatus, a mixer valve for automatically controlling the temperature of the cleansing fluid supplied to the container for each step in the cleansing operations, manually adjustable means for selectively predetermining the temperature of the fluid for at least one of the cleansing operations, means on said adjustable means coacting with the timer means for actuating the mixer valve to shift the mixer valve to vary the temperature of the cleansing fluid in the course of the cleansing operations, and means operated by the timer means for controlling the quantity of cleansing fluid supplied to the container for each operation.

2,548,652

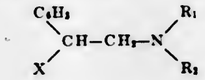
BETA HALO SUBSTITUTED PHENETHYL AMINES

Lee C. Cheney, Fayetteville, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York

No Drawing. Application July 20, 1948, Serial No. 39,794

4 Claims. (Cl. 260—570.5)

1. A new class of compounds consisting of the free base and salts thereof, said free base having the general formula:



where X is halogen; R_1 represents a member of the group consisting of hydrogen, lower alkyl and benzyl; R_2 is a member of the group consisting of benzyl and cyclohéxyl; and R_1 and R_2 taken together with the nitrogen atom represent a member of the group consisting of piperidino and morpholino.

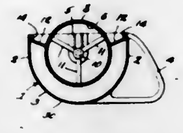
2,548,653

CEILING PAINTER

Cecil E. Cromwell, St. John, New Brunswick, Canada

Application February 5, 1945, Serial No. 576,265

2 Claims. (Cl. 15—132.5)



1. A hand portable device for applying pigment to a ceiling, comprising an elongated tank having an open side, bearings secured to the end walls of the tank having open ends disposed towards the open side of the tank, a cylindrical shell, shafts extending from the ends of the shell, mounted within the bearings, said cylindrical shell extending through the open side of the tank, said cylindrical shell adapted to pick up material within the tank and carry the material to a point exteriorly of the tank as the shell rotates, wiper blades secured to opposite sides of the tank adjacent to the open side, said blades extending inwardly and downwardly and in contact with the periphery of the cylindrical shell, removing surplus material from the cylindrical shell, and a handle extending from the tank.

2,548,654

N^1-ARYL N^5-DIALKYL BIGUANIDES

Francis Henry Swinden Curd and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application May 25, 1945, Serial No. 595,892. Divided and this application April 13, 1949, Serial No. 88,028. In Great Britain May 10, 1944

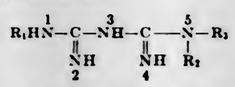
Section 1, Public Law 690, August 8, 1946

Patent expires May 10, 1964

3 Claims. (Cl. 260—565)

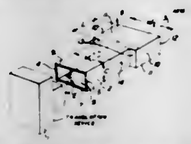
1. A compound selected from the group consisting of the salts and free-base form of the

unsymmetrical 1,5-substituted biguanides having the following formula:



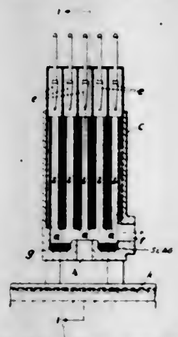
wherein R_1 is a monocyclic aryl group and R_2 and R_3 are lower alkyl groups.

2,548,655
DIRECTIVE DIELECTRIC GUIDE ANTENNA
Cassius C. Cutler, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1946, Serial No. 665,027
6 Claims. (Cl. 250—33.63)



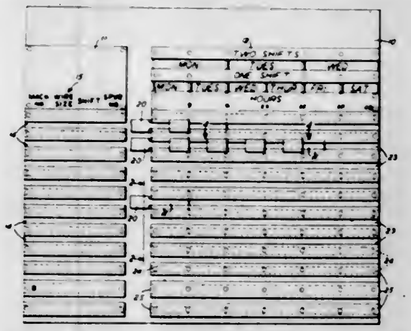
1. A box or two-mode horn for transmitting or receiving a combined TE_{10} and TE_{30} wave, said horn comprising a first dielectric guide for conveying only a TE_{10} wave mode and a second guide connected thereto for conveying said wave mode and a TE_{30} wave mode, said wave modes having different guide wavelengths, the difference between the length of said second guide as measured in guide wavelengths at one of said modes and the length of said second guide as measured in guide wavelengths at the other mode being a half wavelength.

2,548,656
FURNACE FOR BURNING LOW-GRADE FUEL, INCLUDING AIR-COOLED PARTITION WALLS
Richard Doležal, Vitkovice, Czechoslovakia, assignor to Vitkovické Železárny Klementa Gottwalda, Národní Podnik, Ostrava, Czechoslovakia, a corporation of Czechoslovakia
Application October 22, 1948, Serial No. 56,031
In Czechoslovakia October 25, 1947
3 Claims. (Cl. 110—28)



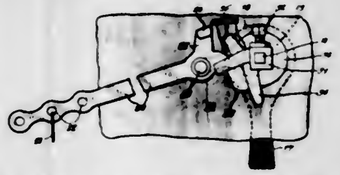
1. Furnace for burning dust from poor coal comprising in combination walls forming a combustion chamber, a plurality of air-cooled channeled partitions traversing said chamber in one direction and dividing the same into narrow essentially vertical channels, at least one burner for the coal dust mounted on top of each of said channels, means supplying coal dust to said burners means to force combustion air through the channeled partitions, means forming a collecting conduit for the combustion air beyond said channeled partitions, said collecting conduit leading back into the combustion chamber and enclosing in its end portion the said burners.

2,548,657
PRODUCTION INDICATING MEANS
John R. Dunn, South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1946, Serial No. 698,074
2 Claims. (Cl. 116—135)



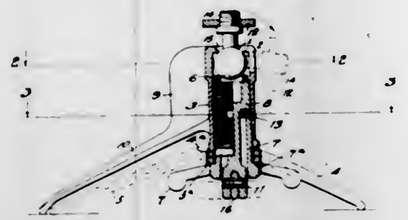
1. A production indicating means comprising a load control card for use with a control board having spaced parallel slots and openings therefor which combined are substantially T-shaped in cross-section, the slots being divided by indicating means into portions representing periods of time, the load card having three portions, one, a time indicating portion receivable in any selected one of the slots from either end thereof, two, a portion to receive identifying information and, three, a connecting portion sufficiently narrow to extend through the opening of the selected slot at any portion thereof to position and support the identifying information portion externally of the slot.

2,548,658
FLUSHING DEVICE
James F. Duncan, Waterbury, Conn.
Application October 2, 1948, Serial No. 52,509
6 Claims. (Cl. 4—67)



1. In a valve-operating lever mechanism for flush tanks and the like, the combination comprising an operating handle having a pintle adapted for pivotal mounting in the wall of the flush tank, an actuating crank adapted for attachment to said pintle and having a pair of cam arms extending at predetermined angles therefrom, a valve lever adapted to be pivotally mounted relative to the flush tank wall and to be connected near one end to the flush tank flush valve, said lever having a cam arm extending from the other end thereof and provided with two contiguous cam faces adapted for cooperative engagement with said crank cam arms, whereby rotation of said lever in one direction is restricted when said lever cam arm simultaneously engages both of said crank cam arms, and whereby rotation of said lever in the opposite direction to open the flush valve is effected by cam engagement of either of said crank cam arms with said lever cam arm as said crank is rotated in either direction by corresponding rotation of said operating handle.

2,548,659
TRIPOD
Alfred G. Epprecht, Zurich, Switzerland
Application July 30, 1947, Serial No. 764,659
In Switzerland July 30, 1939
5 Claims. (Cl. 248—181)



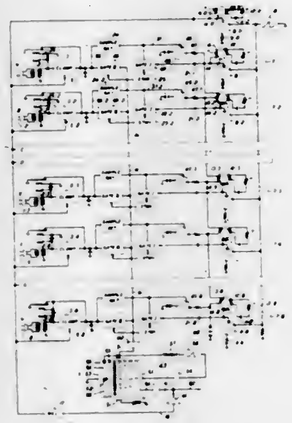
1. A tripod for supporting photographic apparatus and the like comprising an elongated internally threaded tubular pedestal, means partly within the upper end of the pedestal for attachment to a photographic apparatus, means within the tubular pedestal and including a portion operable from the lower end for clamping the attachment means in a set position at least three supporting feet extending laterally from the lower end of the pedestal and at least two of which are movably mounted on the pedestal so as to form a three point support when in use and being movable into juxtaposed relation with the remaining supporting foot to form a compact unit capable of being carried in the pocket of the user, and means adjustably engageable with the lower inner portion of the pedestal and surrounding said portion of the first mentioned clamping means for removably clamping the movable feet in either of their positions of adjustment.

2,548,660
PLASTIC PANTS FOR INFANTS
Herman Feldman, Forest Hills, N. Y.
Application January 23, 1948, Serial No. 3,940
2 Claims. (Cl. 128—287)



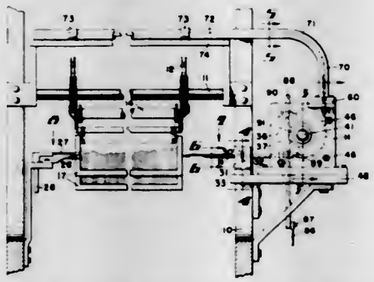
1. A crotch construction for a pair of baby pants having front and rear panels of plastic material, comprising a front flap depending from the front panel midway of its sides, said front flap having a bottom end portion folded upward along the inner face thereof, a reinforcing web sandwiched between the adjacent faces of the front flap and the upwardly bent bottom end portion, stitches securing said upwardly bent bottom end portion and said web to said front flap, a rear flap depending from the back panel midway of its sides to have its free end portion overlapped and secured to the outer face of said front flap, a reinforcing web extended along the inner face of said rear flap, a sheet of plastic extended along the inner face of said latter reinforcing web, and stitches securing together said rear flap, said latter reinforcing web and said sheet of plastic.

2,548,661
ELASTIC TIME DIVISION MULTIPLEX SYSTEM
Carl B. H. Feldman, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1949, Serial No. 75,628
8 Claims. (Cl. 179—15)



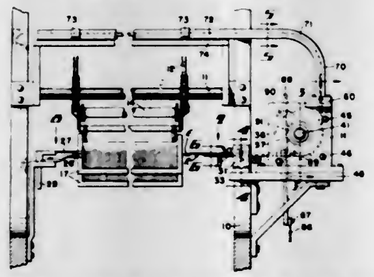
1. In an elastic time division multiplex transmission system wherein speech samples of the instantaneously active members of a group of callers are transmitted in sequence over channel facilities which are fewer in number than the number of members of the group, a number of incoming lines at a transmitter terminal, one for each caller, a number of saturable cores, one for each caller, a first winding on each core, means for applying a saw-tooth current wave to the first windings of the several cores in succession to derive a series of control voltage pulses, means for utilizing said control voltage pulses to test said incoming lines in serial order for activity, a second winding on the core assigned to each caller having a serial number higher than the first, means controlled by the activity of any caller for passing a bias control current of standard magnitude through the second windings of all cores assigned to callers having serial numbers higher than that of said active caller in a direction to delay, by a preassigned time interval, the derivation of the control voltages from the first windings of all of said last-named callers, and means for transmitting the speech sample of said active caller during said time interval.

2,548,662
WEFT NEEDLE MECHANISM FOR AXMINSTER LOOMS
Norman Fletcher, Worcester, and Walter Y. Robb, Whitinsville, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 1, 1946, Serial No. 651,178
4 Claims. (Cl. 139—123)



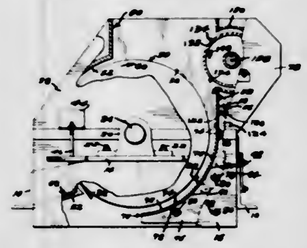
1. In weft laying mechanism for a loom having a selvage shuttle at one side thereof, a flexible sheet metal weft needle, said needle having a concave surface extending lengthwise thereof, actuating mechanism for said needle at the other side of the loom including a toothed rotary member, said needle having longitudinally spaced apertures cooperating with said member to cause movement of the needle toward said selvage shuttle when said member is rotated in a given direction, and guide means between said member and the selvage shuttle having a convex periphery engaging said concave surface of said needle and cooperating with the member to direct the needle along a path toward said selvage shuttle.

2,548,663
WEFT NEEDLE MECHANISM FOR AXMINSTER LOOMS
Norman Fletcher, Worcester, and Walter Y. Robb, Whitinsville, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application March 1, 1946, Serial No. 651,178. Divided and this application July 2, 1947, Serial No. 758,642
2 Claims. (Cl. 139—123)



1. In a weft needle to cooperate with a toothed actuator of an Axminster loom, an elongated resilient sheet metal strip having substantially parallel edges and being curved in transverse cross section to be concave upwardly so that when in a horizontal warp shed said edges are at a level above the part of the strip intermediate said edges, said strip having a series of spaced apertures between said edges for cooperation with said toothed actuator, and a weft eye member secured to one end of said strip and having a recess on the under side thereof for a selvage shuttle said edges converging toward each other adjacent to said weft eye member and the strip being wrapped around the bottom and sides of part of said eye member.

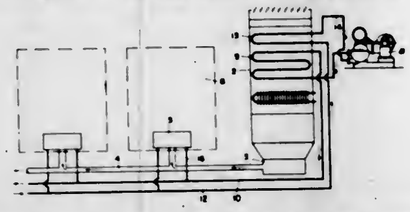
2,548,664
FEED CHOPPER
Ben F. Freeman, Schuyler, Nebr.
Application July 13, 1949, Serial No. 104,527
1 Claim. (Cl. 146—106)



In a feed chopper, the combination which comprises a housing having spaced vertically disposed end plates, bearing platforms extended beyond the said end plates, a rotor shaft extended through the housing and journaled on the said bearing platforms, a cylindrical rotor mounted on the said shaft and having spaced radially disposed longitudinally positioned chopping arms extended from the outer surface, an arcuate plate having flanged ends positioned between the said end plates, means adjustably mounting the said arcuate plate on the end plates through the flanges on the ends thereof with the inner surface of the arcuate plate spaced from the peripheral surface of the rotor and positioned to coact with the said chopping arms of the rotor for chopping products passing between the rotor and plate, spaced longitudinally disposed ribs on the inner surface of the said arcuate plate and also positioned to coact with the chopping arms of the rotor, horizontally disposed bolts extended from intermediate parts of the said arcuate plate, longitudinally disposed supporting struts extended across the sides of the housing and attached to the said end plates thereof, means adjustably attaching the said horizontally disposed bolts to one of the said struts for reinforcing the intermediate part of the said arcuate plate, a drum having spaced longitudinally disposed ridges on the surface journaled in the said end plates and positioned above the upper edge of the said arcuate plate for feeding products to a throat between the cylindrical rotor and arcuate plate, guide plates connecting the upper edges of the said end plates, and a skirt positioned between the upper edge of the arcuate plate and drum and pivotally mounted in the said end plates for urging products passing through the said throat toward the said cylindrical rotor.

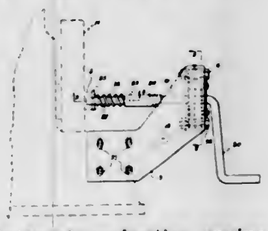
2,548,665
ROOM COOLING UNITS EMBODYING CONTROL TO LIMIT CONDENSATION
Walter A. Grant, Fayetteville, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 11, 1948, Serial No. 14,306
5 Claims. (Cl. 62—6)

1. In a room cooling unit, the combination of a heat exchanger through which conditioning medium is routed in heat exchange relation with air to be conditioned, means for regulating flow of conditioning medium through the heat exchanger, a single temperature responsive member for governing the flow regulating means in response to dry bulb temperature of air to be conditioned, a member to collect condensate resulting from the heat exchange relation of the



conditioning medium and the air, and means for wetting the temperature responsive member with condensate when a predetermined quantity of condensate is collected whereby said temperature responsive member reflects substantially the wet bulb temperature of the air being conditioned so that the flow regulating means is actuated in accordance with the wet bulb temperature of the air to be conditioned.

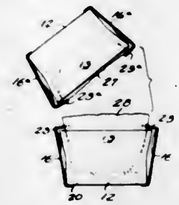
2,548,666
SAFETY CRANK DEVICE
Stephen L. Grove, Louisville, Ill., assignor of one-half to Harold K. West, Louisville, Ill.
Application April 22, 1949, Serial No. 89,010
3 Claims. (Cl. 123—185)



1. In an internal combustion engine, a crankshaft, bracket means adjacent said crankshaft, a housing carried by said bracket means transverse to the axis of the crankshaft, a crank rotatably and slidably mounted in said housing in axial alignment with the end of the crankshaft, said crank being axially movable in said housing, a ratchet wheel carried by said crank and being axially movable therewith through the width of the housing, dog means secured within and being substantially coextensive in internal width with the housing and engaging the periphery of the ratchet wheel in all positions of said ratchet wheel in the housing, preventing reverse rotation of said crank, said crank having a forward extension interlocked with the end of the crankshaft, and frangible means connecting said forward extension to the crank.

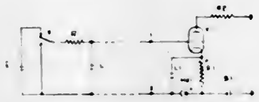
2,548,667
EGG BREAKER
Jack W. Gruss, Los Angeles, Calif.
Application June 9, 1947, Serial No. 753,548
4 Claims. (Cl. 146—2)

1. Egg opening apparatus comprising an annular collar, open at both ends, said collar having at one end a mouth adapted to receive a respective end portion of an egg and to engage the shell thereof with a circular line of contact in the equatorial zone thereof, a securing ring mounted within the other end of said collar, and a pair of spring arms each having an end portion secured between the inner surface of said collar



and said securing ring, each of said spring arms being bent around said other end of the collar and thence extending toward the mouth end of the collar, and having egg piercing means adjacent said mouth end.

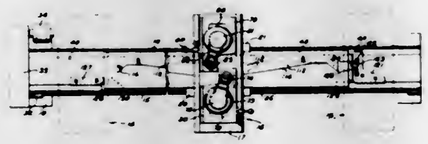
2,548,668
ELECTRIC SIGNALING SYSTEM
Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 8, 1946, Serial No. 681,797
In Great Britain July 16, 1945
4 Claims. (Cl. 250—27)



1. In a signalling system, an electric discharge valve having a cathode, a control grid and an anode, a source of potential connected to said anode to provide a voltage to said anode to enable said valve to conduct, a control circuit connected to said control grid for providing an input signal to said valve, another source of potential, a control contact included within said control circuit and having a first and a second position, a circuit connecting said control circuit to said other source of potential in case said control contact is in the first position for energizing said control circuit, said control circuit deenergizing in case said control contact is in the second position, a cathode resistor connected to said cathode and said first source of potential to provide a biasing potential for said valve in response to said valve conducting by the application of a potential of a predetermined value from said control circuit to said control grid, a cathode condenser and an asymmetric conductor serially connected to said cathode and said source of potential for providing a biasing network for said valve in conjunction with said cathode resistor, a conductor interconnecting said biasing network, said control circuit and said other source of potential for providing a common connection, said cathode condenser and said asymmetric conductor being connected in multiple with said cathode resistor for charging said cathode condenser to a value corresponding to the potential across said cathode resistor, the polarity of said asymmetric conductor being effective to cause substantially all of the charge on

said cathode condenser to be retained in case the potential across said cathode resistor decreases to maintain a fixed bias on said valve at a polarity opposing the conductivity of said valve.

2,548,669
PROFILING APPARATUS
Giles P. Hafer, Downers Grove, and Louis Stastney, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1945, Serial No. 605,132
5 Claims. (Cl. 90—13)



1. In a profiling machine, an article supporting table pivoted at one end, a carriage movable longitudinally of said table, cross slides mounted on said carriage for movement transversely of said table, a cutter on each of said cross slides, means for clamping articles on said table, a control cam extending along said table for controlling the position of one of said cutters with respect to an article on the table, a base for supporting the control cam and table in superposed relation, means for aligning the cam and table with the path of movement of the carriage by rotating the table about its pivot including a power multiplying means movable with respect to the base, and means interconnecting the power multiplying means with the table to obtain said alignment.

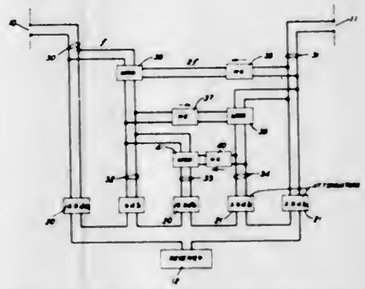
2,548,670
CIRCUMCISION INSTRUMENT
Morris Hyatt, Philadelphia, Pa.
Application October 10, 1947, Serial No. 779,066
4 Claims. (Cl. 128—305)



2. A circumcision instrument comprising a pivotally mounted complementary two-piece base portion wherein one end of said base portion forms a ring-like member, a penis-receiving-bell adapted to pass through said ring-like member, and means to adjustably clamp said bell in said ring-like member, comprising a removable threaded extension having a flange thereon attached to said bell, a nut on said extension, and a pivoted bracket to which extension is held.

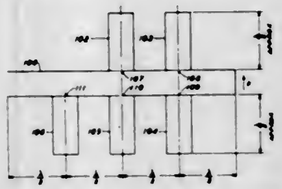
2,548,671
DIRECTIONAL RADIO RECEPTION
John G. Kreer, Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1949, Serial No. 99,487
10 Claims. (Cl. 343—119)

1. The method of increasing the directivity of a receiver comprising receiving an incident wave at two points in different phase, doubling the frequency of the wave as received at one point, modulating the wave of doubled frequency by the wave as received at the other point to obtain



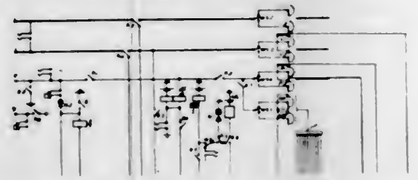
a wave having the same frequency as the received wave but shifted in phase with respect thereto, and utilizing said wave of shifted phase to determine the angle of incidence of the received wave.

2,548,672
MULTIRESONANT WAVE-GUIDE STRUCTURE
Willard D. Lewis, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 5, 1947, Serial No. 789,985. Divided and this application July 26, 1949, Serial No. 106,759
3 Claims. (Cl. 178—44)



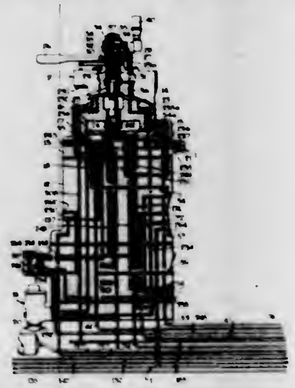
1. A wave-guide structure providing the microwave equivalent of a plurality of parallel resonant circuits connected in series, said structure comprising a first section of wave guide closed at one end and open at the other, and a plurality of cavity resonators tuned to resonate at a plurality of frequencies, respectively, each resonator comprising a short section of wave guide closed at one end and coupled at the other end through an iris to said first section of wave guide, the resonators being spaced a distance of $\lambda/2$, center to center, along said first section of wave guide, the resonators nearest the ends of the said first wave-guide section being spaced a whole number of half wavelengths from the center of said resonators to said ends, respectively, the resonators being connected with their longitudinal axes parallel with the plane in which will lie the electrical vector of the waves with which said wave-guide section is designed to be used.

2,548,673
MARKER CONTROL APPARATUS FOR GROUP SELECTORS
Douglas Percy Long, Chislehurst, England, assignor to Siemens Brothers & Co. Limited, London, England, a British company
Application April 25, 1946, Serial No. 664,962
In Great Britain May 4, 1945
6 Claims. (Cl. 179—18)



1. In an automatic telephone system, a selector switch, two main groups of lines, sub groups of lines in each of said main groups, a pair of marking devices one for each main group, a plurality of marking leads, means including said marking leads for connecting one of said marking devices to the sub groups of lines in one of said main groups and for connecting the other of said marking devices to the sub groups of lines in the other of said main groups, means in the switch responsive to a received signal for selecting a particular marking device of one main group and means in the switch responsive to a series of impulses for operating the particular marking device to thereby mark a sub group only in the main group of the selected marking device.

2,548,674
BRAKE CONTROL APPARATUS
Glenn T. McClure, McKeesport, and Erik G. Erson, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 30, 1948, Serial No. 68,336
32 Claims. (Cl. 303—18)



1. In a locomotive brake equipment, in combination, a brake pipe, a safety control pipe, an application valve device comprising a piston valve having a normal position in which fluid under pressure is supplied to said safety control pipe at a restricted rate and to said brake pipe and operative upon a reduction in the pressure of fluid in said safety control pipe at a certain rate to another position in which said brake pipe is cut off from the supply of fluid under pressure and vented to atmosphere, a brake cylinder control pipe, brake controlling valve means operative upon a reduction in brake pipe pressure to supply fluid under pressure to said brake cylinder control pipe for effecting an application of the brakes, a safety control device for venting fluid under pressure from said safety control pipe to effect a reduction therein at said certain rate when operating conditions are adverse to safety, a cut-off valve device comprising a control chamber and valve means having a normal position in which said safety control pipe is connected to said safety control device and operable in response to a predetermined degree of fluid pressure supplied to said control chamber from said brake cylinder control pipe to another position in which said safety control pipe is cut off from said safety control device, a sanding pipe, and an application insuring valve device comprising valve means having a normal position in which said brake cylinder control pipe is connected to the control chamber in said cut-off valve device and operable in response to the pressure of fluid in said sanding pipe to a position in which said brake cylinder control pipe is cut off from said control chamber and said control chamber is connected to atmosphere.

2,548,675
VIBRATION DAMPENER FOR SPINDLE LUBRICANT RESERVOIRS
Robert J. McCormack, Perry, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 19, 1950, Serial No. 156,807
3 Claims. (Cl. 57—133)

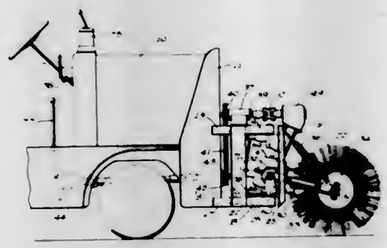


1. A spindle lubricant holding vibration dampener comprising, a spindle, a lubricant holding means positioned about the spindle, a resilient sleeve about said spindle and attached to said spindle by one of its ends and to the lubricant holding means by its other end.

2,548,676
ROTARY BRUSH SWEEPER ATTACHMENT FOR POWER VEHICLES
Harold E. Milz and John J. Sichman, Jr., Chicago, Ill., assignors to The Mercury Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1945, Serial No. 630,783
2 Claims. (Cl. 15—82)

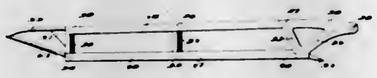
1. A sweeper attachment for a power vehicle comprising a pair of vertically spaced V-shaped

brackets adapted to be assembled on a power vehicle, each of said brackets having pivot bearing means in the apex thereof in vertical alignment with one another thereby to form a vertical pivot axis, a frame support carried by said pivot bearing means for oscillatory movement on a horizontal plane including a cross beam member extending transversely of said brackets, a shaft mounted on said cross beam provided with means extending forwardly on the respective ends thereof, said forwardly extending portions of said shaft having journaling means arranged and aligned on a common axis parallel to said cross beam and in front of said frame support, mounting means for said shaft on said cross beam including elements to support said shaft for rotative adjustment, whereby said journaling means may be substantially vertically adjusted, a brush rotatably carried by said journaling means, said frame support further including a first gear box



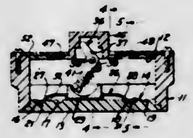
on said cross beam and intersected by said vertical pivot axis, a rotatable power take-off shaft extending outwardly of said gear box, a driving connection between said take-off shaft and said brush, said frame support also including a second gear box positioned forwardly of said vertical pivot axis and upwardly of said first gear box, driving means connecting said gear boxes, power transmission shaft means supported by the uppermost of said pair of V-shaped brackets including a double universal joint arranged to be intersected by said vertical pivot axis and extending rearwardly of said second gear box, whereby the brush mechanism together with its driving means may be angularly displaced and means to rotatively adjust said shaft to vertically position said brush, including a lifting arm connected at one end to said shaft and pivotally connected at the other end to a hydraulic adjusting mechanism carried by said frame support.

2,548,677
BALLAST REMOVAL APPARATUS
Russell A. Morrison, Detroit, Mich.
Application January 7, 1946, Serial No. 639,593
5 Claims. (Cl. 37—104)



1. A rooter for loosening and removing ballast from between railroad track ties, comprising an elongated generally rectangular box-like open frame, said frame having vertical open generally rectangular side members disposed in spaced parallel relation, cross members rigidly connecting said side members, the bases of said side members comprising flat runners, the forward ends of said side members terminating in nose portions, a heavy cross rod connecting the forward ends of said nose portions, digging teeth secured to the frame between the forward end of said runners and extending forwardly and downwardly below the plane of said runners, the top edges of said side members being inclined downwardly from points substantially above said teeth to the rear of the frame, and inclined downwardly from said points toward the front end of said nose portions.

2,548,678
ELECTRIC SWITCH
George G. Obenour, San Francisco, Calif., assignor, by mesne assignments, to George Disinger, Davis, Calif.
Application April 5, 1947, Serial No. 739,611
1 Claim. (Cl. 200—76)



In an electric switch, in combination, a housing having a chamber therein; said housing including an inner bottom surface having arcuate grooves therein arranged in spaced pairs at opposite sides thereof, a fixed arcuate contact in one groove of each of said pairs of grooves, a member within said chamber slidable on said bottom; said member having a recess therein and having arcuate resilient contact extremities seatable in said arcuate grooves, an actuating element to effect sliding of said member within said chamber for moving said resilient contacts into engagement with said fixed contacts as well as for moving said resilient contacts out of engagement with said fixed contacts, a U-shaped element seated in the recess of said member, and a spring coiled about said actuating element and seated in said U-shaped element; said spring being adapted to exert a positive force on said member to hold said resilient contacts in operative and in inoperative positions with respect to said fixed contacts.

2,548,679
PREPARATION OF ALKYLTHIOHYDROXYPROPYL QUATERNARY AMMONIUM HALIDES
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals, Inc., a corporation of Delaware
No Drawing. Application July 10, 1948, Serial No. 38,181
15 Claims. (Cl. 260—567.6)

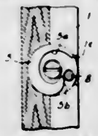
1. A process comprising mixing under temperature conditions between 50° C. and 150° C. an alkyl mercaptan in which the alkyl radical has from 1 to 30 carbon atoms, an epihalohydrin, and a tertiary amine from the group consisting of trialkyl amines, allyl dialkyl amines, benzyl dialkyl amines, N-alkyl piperidines, pyridine and isoquinoline, wherein the alkyl groups contain from 1 to 18 carbon atoms; and maintaining the foregoing in mutual contact for stoichiometric reaction until the corresponding alkylthiohydroxypropyl quaternary ammonium halide is obtained.

2,548,680
ELECTRIC BREAD TOASTER
Henry L. Olson and Robert A. Miller, Grand Haven, Mich., assignors to Camfield Manufacturing Company, Grand Haven, Mich., a corporation of Michigan
Original application May 13, 1949, Serial No. 93,059. Divided and this application July 2, 1949, Serial No. 102,834
8 Claims. (Cl. 99—335)



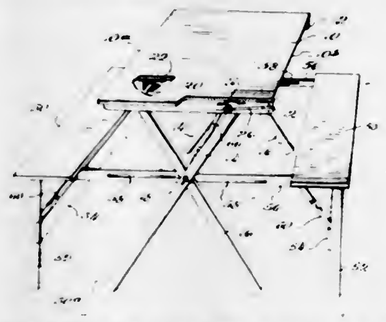
1. In a bread toaster, a bread rack movable toward and from toasting position, a spring for urging said bread rack from toasting position, a timing device for determining the toasting period and including a movable catch engaging member, an operating member connected to and moving said bread rack toward toasting position a latch movable with the bread rack and having a catch adapted to engage the catch engaging member and when engaged holding the bread rack in toasting position, said catch engaging member forming a release means operated by said timing device and causing disengagement of the catch with the catch engaging member to release the bread rack upon completion of a toasting period, a connector between said operating member and latch and movable in the direction of movement of the bread rack to bring the catch into a position to engage the catch engaging member, said connector being shiftable to either a first position or a second position relative to the latch, said connector when in its first position urging the catch into engagement with the catch engaging member, when moved by said operating member and when in its second position urging the catch out of engagement with said catch engaging member when moved by the operating member in the same direction to manually release the bread rack, resetting means for the timing device operable upon completion of the toasting period by the operating member and adapted to move said connector to its first position, and cam means acting between said latch and connector and adapted upon reverse movement of said operating member to move said connector into its second named position.

2,548,681
FASTENING
Joseph H. Oswald, South Euclid, Ohio
Application February 13, 1946, Serial No. 647,240
3 Claims. (Cl. 292—240)



1. In a fastening for disengageably fastening together cooperative structures, the combination of two separate parts constructed to be fixedly attached, one to one of such cooperating structures and the other to the other of such structures, and a third part supported for manual rotation about a fixed axis on one of the said separate parts, the third part having a surface substantially at right angles to its axis of rotation and integrally formed cam means projecting from said surface, the cam means being disposed at a substantial radial distance from the said axis of rotation and having a pair of substantially spiral cam surfaces which incline outwardly away from the rotational axis of the third part in the same general direction around the said axis with one of them facing inwardly toward the said axis and the other facing outwardly away from the axis and with no part of the inwardly-facing surface disposed radially outside of the outwardly-facing surface.

2,548,682
FOLDING TABLE AND SEAT STRUCTURE
Daniel Carl Price, Chicago, Ill.
Application August 15, 1946, Serial No. 690,739
10 Claims. (Cl. 155—124)



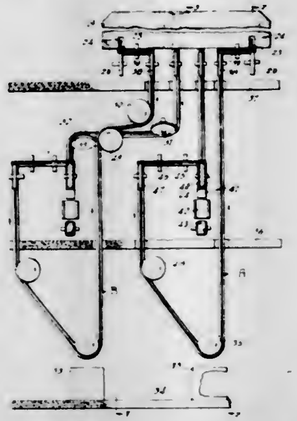
1. In a folding table and seat structure, a table top, a pair of legs and pivots connecting their upper ends to said top near opposite ends thereof, a second pair of legs, respectively crossing the legs of the first pair and pivoted to them, a tie member connecting the upper ends of said second pair, abutment means on the under side of the table top and located at a substantial distance inwardly from one edge of said top to engage said tie member when the table is set up, guide means on the under side of the top in which the pivots of the first pair of legs are movable from positions closely adjacent the opposite edge of the top to positions at a substantial distance inwardly from said edge, means to retain said pivots at the latter positions, a pair of benches adapted to be disposed at opposite sides of the table when the structure is set up, each bench comprising a seat extending parellel to one edge of the table, foldable legs attached to said seat, and a pair of arms extending rigidly from said seat and engaged with the pivotal means by which the crossed legs are connected, said arms having longitudinal slots whereby the arms are pivotally and slidably engaged with said pivotal means by which the table legs are connected, said slots being dimensioned to permit the arms and the seat to be swung and shifted to a position in which the arms are aligned with one pair of table legs and the seat is disposed within the length of said legs, one pair of legs being foldable about said pivotal means and into alignment with the other legs, and all the folded arms and legs being collapsible against the under side of the table top, said guide means permitting the collapsed legs to be shifted relative to the table top so that one of the seats is disposed in the same plane as said top and with one edge of the seat abutting one edge of the top.

2,548,683

ANNEALING FURNACE AND CONVEYER

Frederic Remington, Elizabeth, and Richard A. Tartaglia, East Orange, N. J., assignors to Peerless Tube Company, Bloomfield, N. J., a corporation of New Jersey

Application August 16, 1946, Serial No. 690,930
2 Claims. (Cl. 263—8)



1. In annealing apparatus for collapsible tubes that have thin side walls, open bottom ends and relatively thick-walled necks, the combination of a plurality of floors, an annealing furnace for said tubes located on an upper floor and having a slot in its bottom wall opening through its side walls, a chain conveyor having links certain of which have tube-supporting pins each connected at one end to a link with its other end formed to engage the inner surface of the shoulder of a collapsible tube for suspending the tube on said pin, said links being so connected that the chain may move about horizontal and vertical axes with the pins projecting from said chain horizontally and vertically, respectively, a loading station on a lower floor for applying collapsible tubes to said conveyor, sprockets for supporting and guiding said chain so that it runs vertically from said loading station to said upper floor and then horizontally below said slot in the bottom wall of the furnace to move said pins through said slot with the free ends of the pins projecting vertically upwardly into said furnace for conveying the collapsible tubes through the furnace with their necks uppermost, whence the chain runs downwardly to an intermediate floor where the chain passes around and beneath a sprocket to cause said pins to project downwardly to discharge said tubes from said pins by action of gravity, after which the chain passes in succession horizontally and vertically downwardly to said loading station.

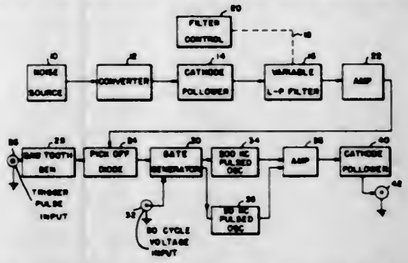
2,548,684

APPARATUS FOR SIMULATING THE OPERATION OF A RADIO OBJECT LOCATING SYSTEM

Wilfred Roth, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application April 30, 1946, Serial No. 666,021
3 Claims. (Cl. 250—36)

1. A signal generator comprising a source of random noise signals having a spectrum extending from zero frequency to some preselected minimum value, adjustable filter means, means for connecting the output of said noise source to said filter means, sawtooth generator means, means for initiating the operation of said sawtooth generator means at preselected times, signal combining means for combining the signal from said filter with the signal from said sawtooth generator, said signal combining means thereby providing a signal that is modulated in time with respect to the output signal of said sawtooth generator, gate generator means responsive to the output of said signal combining means, signal input means providing a signal of a predetermined frequency for varying the signal from said gate generator means in a periodic manner, oscillator means responsive to the output of said gate generator means whereby the signal from at least one of said oscillator means is phase modulated by an amount dependent on the signal from said signal combining means and whereby the signal from at least one of said oscillator means is phase modulated by the signal applied at said signal input, amplifier means for combining the outputs of said oscillators, said amplifier having for an output a signal that is phase modulated by said signal from said signal combining means and said signal applied at said signal input, and means for injecting said combined signal into the receiver channel of a radio object locating system receiver whereby the echo signals in the output of said receiver are amplitude modulated in a predetermined manner.



2,548,685

PHOTOPOLYMERIZATION PROCESS AND COMPOSITIONS

Carrol C. Sachs, North Hollywood, and John Bond, Los Angeles, Calif., assignors to Alexander H. Kerr & Co., Inc., Los Angeles, Calif.

No Drawing. Application December 21, 1946, Serial No. 717,796
24 Claims. (Cl. 204—158)

1. A process of photopolymerization, which comprises irradiating with actinically active light a catalytically photopolymerizable ethylenically unsaturated resinifiable compound having a methylene group (CH_2) attached by a double bond to a carbon containing dispersed therein a minor proportion of a photopolymerization catalyst consisting of a compound having the general formula

$$R-\overset{\overset{O}{\|}}{C}-R_1$$

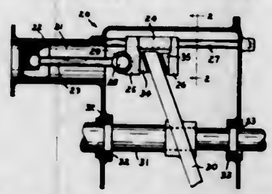
where R consists solely of hydrogen and carbon atoms and is chosen from the group consisting of aromatic, alkyl and alkene radicals and R_1 is chosen from the group consisting of halogen and halogenated methyl radicals, wherein the halogen is chosen from the group consisting of chlorine, bromine, and iodine, and continuing said irradiation for a period of time to cause photopolymerization of said resinifiable compound.

2,548,686

CRANKLESS MECHANISM

Thomas L. Sherman, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio

Application February 29, 1946, Serial No. 648,976
6 Claims. (Cl. 74—60)



1. A piston rod connection adapted for use in a crankless mechanism including a shaft, a slant member mounted on said shaft, a cylinder, a piston reciprocable in said cylinder substantially parallel to said shaft, a piston rod, a bridge member adapted for engagement with said slant, guide means for said bridge limiting the movement thereof to substantial parallelism with said shaft, and a bearing element between the inner side of said slant and said bridge, said connection comprising a member separate from said bridge and having therein a socket providing a pivotal mounting for said bearing element, means for supporting said member for movement with said bridge, means including a pin arranged transversely of said piston rod providing a pivotal connection between said piston rod and said bridge, and means on said piston rod and said socket member abutting said pin at substantially directly opposite points to effect compression of said pin between said rod and said socket member for substantially straight line transfer of thrust between said rod and said socket member with minimum deflection of said pin.

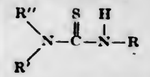
2,548,687

PRODUCTION OF FUMARIC ACID

Sydney M. Spatz, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application September 24, 1947, Serial No. 775,955
13 Claims. (Cl. 260—537)

1. A process for converting maleic acid to fumaric acid which comprises subjecting a solution of maleic acid to the action of an inversion agent of the general formula



wherein R, R′ and R″ represent radicals of the group consisting of hydrogen, hydrocarbon and acyl of the type R‴CO, in which R‴ is a hydrocarbon radical, the sum of carbon atoms in radicals R, R′ and R″ not exceeding 8.

2,548,688

NITROCELLULOSE-CONTAINING COMPOSITION AND PROCESS OF PREPARING SAME

James Taylor, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 10, 1948, Serial No. 7,529. In Great Britain April 18, 1947
5 Claims. (Cl. 52—11)

1. An improved nitrocellulose containing preparation for the manufacture of explosives comprising uncolloided liquid nitric ester-soluble nitrocellulose moistened with a solution comprising at least 30% by weight of a substantially binary eutectic mixture of ammonium nitrate and urea in an aqueous alcoholic solvent, the said solvent being substantially richer in alcohol than in water and the amount of water present in the preparation being less than 20% by weight of the nitrocellulose.

4. A process for the preparation of an improved nitrocellulose containing composition for the manufacture of explosives comprising moistening spirit wet uncolloided liquid nitric ester-soluble nitrocellulose with at least 30% by weight of a solution comprising a substantially binary eutectic mixture of ammonium nitrate and urea dissolved in a solution comprising water, the amount of water present in the resulting preparation being less than 20% by weight of the nitrocellulose.

2,548,689

FIREPROOF CIGARETTE HOLDER

Francis Vertiz, New York, N. Y.

Application June 13, 1947, Serial No. 754,458
3 Claims. (Cl. 131—174)



1. A cigarette holder comprising, a tubular inside body having perforated walls, an outside body member telescoping over said inner body and having locking engagement therewith, means integral with said inside body for supporting a cigarette longitudinally therein so as to extend for a spaced distance beyond one end thereof, arms integral with said inside body and extending perpendicularly therefrom, and a handle for removably engaging the arms.

2,548,690

SOLDERING FLUX

Cecil A. Vieno, Duluth, Minn.

No Drawing. Application October 20, 1949, Serial No. 122,595
3 Claims. (Cl. 148—24)

2. A tinning compound for soldering consisting essentially of a plastic solution of about one part by weight of ammonium chloride, about three parts by weight of zinc chloride, and about three parts by weight of glycerine; and about one part by weight of pulverized solder mixed in said solution.

2,548,691

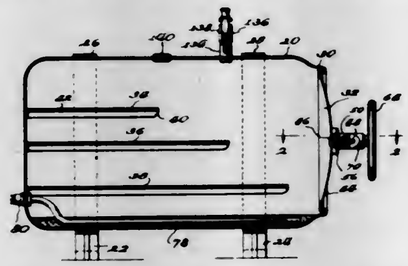
STERILIZER

Alfred Vischer, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve thirtieths to Alfred Vischer, Jr., two thirtieths to William Vischer, two thirtieths to Alfred Vischer, III, two thirtieths to Alfred Vischer, Jr., as trustee, four thirtieths to Walter W. Zitzewitz, four thirtieths to Elmer K. Zitzewitz, one thirtieth to Gertrude J. Zitzewitz, one thirtieth to Barbara O. Zitzewitz, and two thirtieths to Gertrude V. Bouton

Application January 25, 1943, Serial No. 473,471
6 Claims. (Cl. 21—56)

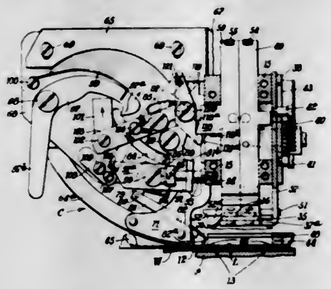
1. In a sterilizer of the class described, the combination of a container having an opening

through which articles to be sterilized may be inserted and may subsequently be withdrawn, a sealing ring on the inside of said opening, a door formed of flexible material and biased toward a curved position permitting said door to be passed through said opening, a pivotal support having an elongated slot therein, a door supporting member engageable in said slot for supporting the door from said pivotal support, said member being



shiftable longitudinally of the slot to facilitate manipulation of said door for passing the same through said opening, a handle, including cam means, for flexing said door into sealing position, and means for creating steam pressure in said container to sterilize articles placed therein, said door in closed position serving to prevent escape of steam from said container and being sealed more tightly by increased pressure in said container.

2,548,692
LABEL SEWING MACHINE
Joseph Vollman and Herman Gunther, Elizabeth, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 13, 1949, Serial No. 104,488
14 Claims. (Cl. 112—104)



2. The combination with a group stitching machine having a bracket-arm head, a work-support and stitch-forming mechanism; of a clamp device, including a vertically movable presser member, constructed and arranged to hold a workpiece on said work-support and having a label-receiving aperture adapted to hold a label in position to be attached to said workpiece by said stitch-forming mechanism; means supported by the bracket-arm head and including a label-guiding chute and a gravity actuated arm having a portion movable through said chute for feeding a label into said label-receiving aperture in said clamp device; latch means supported by said bracket-arm head for normally holding said arm in a retracted position; and means supported by said bracket-arm head and actuated by a movement of said presser member for releasing said latch means.

14. In a label sewing machine having a frame, in combination, a work-holder; a label-holder associated therewith and including a label-receiving cavity and a vertically movable label presser foot; means for feeding a label into said label-holder, comprising a vertically disposed supporting plate carried by said frame; a label-guiding chute mounted for vertical movement on one face of said plate and normally aligned with said label-holder; a label-feeding arm pivotally mounted on said plate at that face thereof adjacent said chute and having a portion movable through said chute to inject a label into said label-holder; means actuated during a label sewing operation to shift said label-feeding arm to a retracted elevated position; a spring latch engaging said arm to hold it in said retracted position; and means actuated by a movement of said label presser foot preparatory to the next sewing operation to release said latch to permit said arm to move about its pivot to inject a label into said label holder.

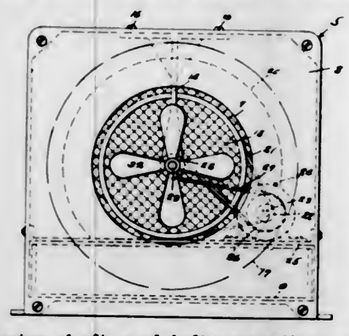
2,548,693
PROCESS OF PRODUCING EXPLOSIVES CONTAINING AMMONIUM NITRATE
John Whetstone, West Kilbride, and James Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 17, 1946, Serial No. 684,241. In Great Britain August 24, 1945
6 Claims. (Cl. 52—20)

1. A method for the production of explosives containing ammonium nitrate which comprises incorporating at least a part of the ammonium nitrate component into the explosive by the steps of forming a chemically stable composition which is liquid at ordinary room temperature and which comprises ammonium nitrate, urea, and at least one non-volatile compound selected from the compatible members of a freezing point depressant group consisting of ammonium sulphamate, ammonium thiosulphate, ammonium formate, ammonium acetate, ammonium thiocyanate, ammonium hypophosphite, acetamide, propionamide, and methylamine nitrate, said chemically stable composition including at most only a small proportion of water, adding a hydrophylic colloid agent to said chemically stable composition, and thereafter adding said gelled composition to said explosive.

2,548,694
AIR-CONDITIONING APPARATUS
Walter E. Wiesenthal, Wichita, Kans.
Application October 28, 1947, Serial No. 782,569
1 Claim. (Cl. 261—92)

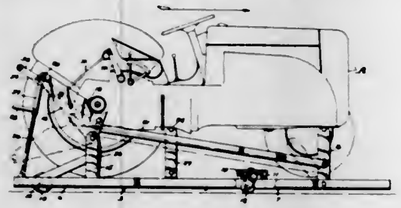
An air conditioning apparatus, comprising a housing having its front and rear sides open, a vertical bar secured at the rear of the housing, a bearing secured to said vertical bar, a bracket depending from the top of the housing, said bracket having front and rear bearings, the rear bearing aligning with the bearing secured to said bar, a shaft disposed in the aligned bearings, a foraminous disc and pulley secured on said shaft, a water tank supported within the bottom of the housing through which said foraminous disc operates absorbing water from the tank, a fan shaft mounted in the front bearing of the bracket, a fan and pulley secured to the fan shaft, a motor shelf mounted within the housing

on which a motor is mounted, said motor including a motor shaft having its ends extended beyond the motor, pulleys secured to the ends of



said motor shaft, and belts operating over the pulleys of the motor shaft, pulley on the fan shaft and pulley of the foraminous disc shaft, rotating the fan and foraminous disc.

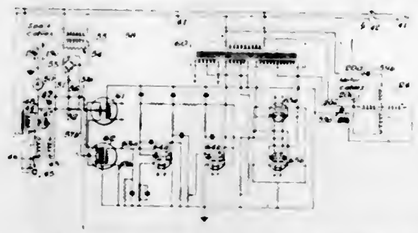
2,548,695
MECHANICAL JACK
Walter E. Wiesenthal, Wilson, Kans.
Application September 15, 1949, Serial No. 115,895
3 Claims. (Cl. 254—94)



3. The combination with a tractor having a hydraulic power unit, of a tractor jack comprising a wheel-supported frame, a forward lifting arm and rear lifting arms pivotally mounted on the frame, connecting arms connecting the forward lifting arm and rear lifting arms, means for transmitting movement of the hydraulic power unit to the lifting arms operating the lifting arms elevating a tractor resting thereon, and a pivoted supporting arm mounted intermediate the ends of the frame for engaging the tractor lifted supporting the intermediate portion of the tractor.

2,548,696
SPARK-GAP LIQUID LEVEL INDICATOR
Ormond E. Barstow and Clarence A. Pippin, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application October 20, 1947, Serial No. 780,880
3 Claims. (Cl. 318—482)

3. In an instrument responsive to the level of a body of electrically conductive liquid and having an electrode mounted for movement toward and from the surface of the body, a reversible motor for thus moving the electrode, and additional means to be controlled operatively connected with the motor, the combination of a circuit for maintaining a continuous spark between the electrode and the liquid body including in series the electrode, a source of high-voltage alternating current, a rectifier, and a resistor, a second circuit comprising a source of a reference potential connected to oppose the potential maintained across the resistor by the spark current, and an electron-tube amplifier having its input



connected to the resultant of the opposed reference and resistor potentials and its output connected to actuate the aforesaid reversible motor to move the electrode in the direction to alter the spark current to equate the opposed spark and reference potentials.

2,548,697
DEVICE FOR DEFORMING AND REMOVING CROWN CAPS
Vincent S. Belpedio, Fairfield, Conn., and George L. Barton, Tulsa, Okla.
Application August 23, 1948, Serial No. 45,764
5 Claims. (Cl. 81—3.44)

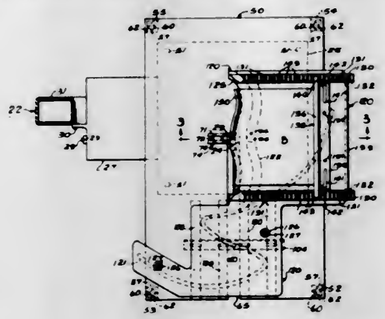


1. A device for re-forming a flanged bottle cap, wherein the cap has a normally substantially flat top and has a compressible sealing disk within it, a body, lip means rigidly carried by said body engageable beneath the flange of the cap at diametrically opposite points thereof to support it against a substantially vertical force applied to its top, and forming means, movably connected to said body engageable substantially with the center portion of the top of the cap and adapted to have relative movement to depress said center portion.

2,548,698
CURVE CUTTING SAWING APPARATUS
Hubert M. Benge, Statesville, N. C.
Application February 27, 1948, Serial No. 11,422
6 Claims. (Cl. 143—171)

2. In a woodworking machine comprising a band-saw, a table, a pattern table adapted to have movement on the table, said pattern table having an edge disposed next to the band-saw conforming substantially to the shape of the piece of material to be cut from a work piece, the pattern table having a groove disposed in the lower surface thereof having substantially the same curvature as the curvature of the finished piece to be cut from the work piece, the lower surface of the pattern table having a second circuitous groove therein which curves in accordance with a point moving in a line a fixed distance from but extending tangentially relative to the curvature of the first-named groove, a guiding member disposed on the first-named table in right-angular relation to the plane of the cutting run and having movement in the

first-named groove in the bottom surface of the pattern table, a second guiding member disposed on the table in the plane of the cutting run and having movement in the second-named groove in the bottom of the pattern table, means for securing a work piece on the pattern table, the pattern table having handle means adapted



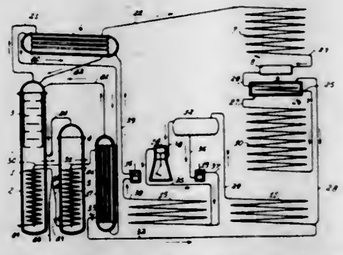
to be engaged by an operator to feed the pattern table relative to the saw and whereby said grooves and guiding means will guide the pattern table to cause a piece of material to be cut from the edge of the work piece conforming in shape to the first-named groove in the pattern table.

2,548,699

REFRIGERATING MACHINE OF THE COMBINED COMPRESSION-ABSORPTION TYPE

Raoul Bernat and Henri Bernat, Bordeaux, France

Application October 29, 1945, Serial No. 625,340
In France September 8, 1943
8 Claims. (Cl. 62—119)



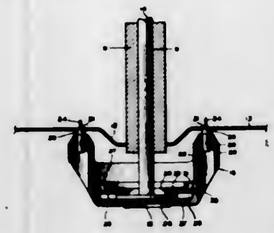
1. A refrigerating machine of the combined compression-absorption type comprising means for heating a mixture of a liquid solvent and cooling fluid, means for separating said solvent and fluid, an evaporator, a first absorber having a pressure therein at most approximately equal to that in said evaporator, a second absorber having a pressure therein higher than that in said evaporator, means for separating said fluid undissolved in said first absorber from the mixture of dissolved fluid and solvent, means for forcing said undissolved fluid and said mixture of dissolved fluid and solvent into said second absorber, said means for separating said undissolved fluid from said mixture of dissolved fluid and solvent being a receiving vessel and said means for forcing said undissolved fluid and said mixture of dissolved fluid and solvent being located between said vessel and said second absorber.

2,548,700

BORE SIGHTING APPARATUS

James A. Broadston, Los Angeles, Calif., assignor to North American Aviation, Inc.

Application February 26, 1946, Serial No. 650,328
3 Claims. (Cl. 33—180)



1. Apparatus for bore sighting the barrel of a gun mounted in an airplane wing, comprising a fixture having locating pins adapted to be located in holes in the leading edge of said wing, said fixture having a wall provided with a window and having an adjustable clamping device spaced from said wall, and a rod adapted to be received within said barrel and having on its end a flat head adapted to be engaged between said wall and said adjustable clamping device, said head having an outer face provided with an indicator mark and said fixture having means mounted in said window and defining indicia through which said indicator mark can be sighted in order to indicate the position of said barrel.

2,548,701

CLARIFICATION OF SPARKLING WINES

Hector R. Carveth, Jr., Lewiston, N. Y., assignor to Chateau Gay Ltd., Lewiston, N. Y.

No Drawing. Application March 14, 1947, Serial No. 734,855
2 Claims. (Cl. 99—48)

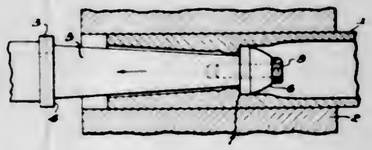
1. A process of clarifying sparkling wines which comprises performing the secondary fermentation within the bottle in which the wine is to be distributed, thereafter subjecting the bottle and contents to centrifugation to collect the sediment against the stopper thereof, freezing the wine in the neck of the bottle and subsequently removing the ice and sediment and restoppering said bottle.

2,548,702

PIPE UPSETTING AND HOT BROACHING TOOL

George R. Chamberlain, Baden, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 17, 1948, Serial No. 21,661
4 Claims. (Cl. 29—34)



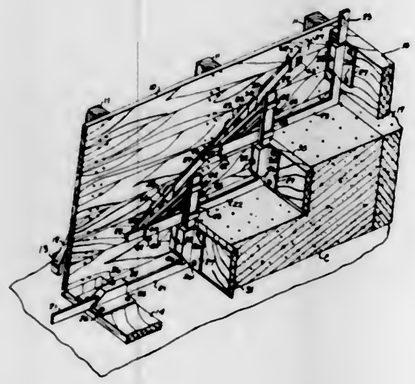
1. A reciprocable tool for upsetting the heated end of a pipe within a die, comprising a punch having a lateral shoulder for engaging the end of a pipe, a tapered end section for shaping the interior wall of an upset formed by moving the punch inwardly of a pipe, and a broach at the end of said tapered section provided with a peripheral cutter of larger diameter than the minimum inner diameter of an upset formed by the punch but of smaller diameter than the inner diameter of the pipe being upset, said cutter being formed to remove an annular portion of the metal of an upset by and upon the removal of the tool from a pipe following its inward movement to form an upset.

2,548,703

ADJUSTABLE STRINGER MOLD FOR CONCRETE STEPS

Ralph L. Cline, Hickory, N. C.

Application December 6, 1948, Serial No. 63,767
5 Claims. (Cl. 25—118)



1. A stringer for supporting riser form members against which concrete is poured in the forming of concrete steps comprising upper and lower transverse frame members disposed at the landing of and at the foot of the steps, respectively, guide blocks secured to the uppermost of the frame members and to the vertical outer surfaces of each of the risers, a plurality of L-shaped members each having a horizontal leg and a vertical leg, the vertical legs of which slidably penetrate the guide blocks, clamping means associated with the guide blocks for clamping the vertical legs of the L-shaped members and guide blocks in fixed relation to each other, said L-shaped members comprising intermediate L-shaped members, an upper L-shaped member and a lower L-shaped member, a portion of the horizontal legs of the L-shaped members being disposed adjacent the vertical legs of the next adjacent L-shaped members, means associated with the vertical legs of the L-shaped members for securing the horizontal legs of the adjacent L-shaped members thereto.

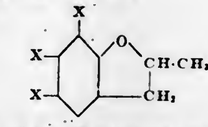
2,548,704

SUBSTITUTED 2,3-DIHYDRO-2-METHYL-BENZOFURANS

Gerald H. Coleman, Freeland, and Raymond H. Rigterink, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application August 17, 1949, Serial No. 110,886
4 Claims. (Cl. 260—346)

1. A substituted 2,3-dihydro-2-methylbenzofuran having the formula



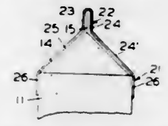
wherein one of the X symbols represents a member of the class consisting of the phenyl and cyclohexyl radicals, and the other X symbols represent hydrogen.

2,548,705

FLAP RETAINER CLIP FOR PAPER CARTONS

Ray H. Collier, Jackson, Miss., and Robert H. Collier, Oak Park, Ill.

Application March 14, 1950, Serial No. 149,546
9 Claims. (Cl. 229—47)



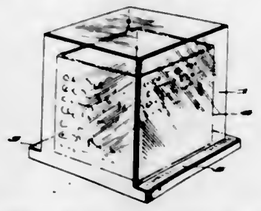
2. The combination with a container having a tubular body the upper end of which is closed by a top having inclined sides terminating in an upright ridge formed by the upper contiguous ends of the sides and a flap hingedly connected to the body of the container for outward hinging movement to expose a dispensing opening; of a flap retainer comprising a U-shaped clip having leg portions gripping and straddling the upright ridge, and a strap member connected to one of the leg portions, said strap member extending obtusely with respect to said clip and overlying one of the inclined sides and said flap in contiguous relation whereby said flap is retained flat against said side in a closed position.

2,548,706

TRANSPARENT DISPLAY HOLDER

Walter D. Corning, Knoxville, Tenn.

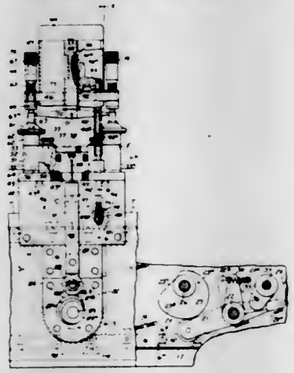
Application June 13, 1947, Serial No. 754,338
2 Claims. (Cl. 40—10)

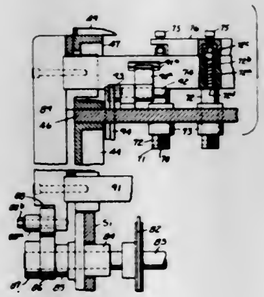


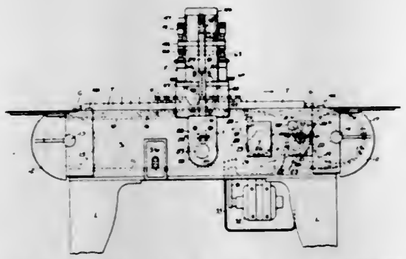
1. A display device comprising an upright body of transparent material having a bottom face and surrounding side faces, said body having a slot therein extending upwardly from the

bottom face into the body and spaced from at least one of the side faces in position to receive display material therein for viewing through said side face, and a base for the body having an interfitting conection therewith for retaining the display material in the body and separable therefrom for replacement of the material in the slot.

2,548,707
MULTIPLE FILLING MACHINE
Frank J. Cozzoli, Plainfield, N. J.
Application November 23, 1946, Serial No. 711,902
11 Claims. (Cl. 226—99)



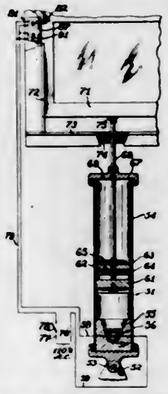




1. A filling machine having in combination an endless conveyor mechanism constructed of connected links adapted to transport trays of vials thereon with the trays uniformly spaced apart and with the vials in each tray uniformly spaced from each other a unit distance, the length of the said space between successive trays being equal to a whole number of the unit spacings between the vials in a tray, the total length of said conveyor being a whole number multiple of the number of links occupied by one of said trays of vials plus the said space between two adjacent trays, and said links each having a length equalling twice the spacing of the vials in said trays, relatively stationary vial filling means adjacent the conveyor operative cyclically to fill the vials when they are in filling relation therewith, conveyor indexing means constructed and arranged to move the conveyor intermittently and in uniform increments equalling one-half of a link length so that the individual vials of each tray are successively moved in uniform increments to the relatively stationary vial filling means, and conveyor actuated means operative automatically to render said filling means ineffective during the interval the conveyor is moving a tray of filled vials away from the filling means and a tray of unfilled vials into filling position.

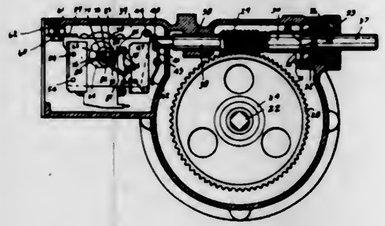
2. A filling machine for filling a series of rows of vials with a pharmaceutical preparation combining a series of individual dispensing means arranged with their discharge nozzles aligned in conformity with the alignment of the vials in said rows of vials, each of said dispensing means embodying a movable element operative to effect the dispensing operation and whose extent of movement determines the quantity volumetrically to be dispensed, means for actuating all said movable elements in unison, said means including a member having a normally fixed stroke and yieldable means between said member and said movable elements, adjustable but normally positive means individual to each dispenser for limiting the extent of movement of its associated movable element whereby independently to regulate the quantity of preparation to be dispensed by each dispenser irrespective of the extent of movement of said member having a normally fixed stroke, means for changing the stroke of said member to a value less than said normal stroke thereby to relieve said yieldable means of excessive pressure when said adjustable means are adjusted to appreciably decrease the extent of movement of the movable elements of the dispensers, and means for positioning successive rows of vials in filling relation with the discharge nozzles of the said dispensers to receive simultaneous filling.

2,548,708
ELECTRICALLY HEATED STEAM GENERATOR AND POWER UNIT
John W. Dickey, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 2, 1945, Serial No. 608,539
11 Claims. (Cl. 60—25)



10. In a steam actuated motor for moving a member to be adjusted, a cylinder, a piston slidably mounted therein, an electrically heated boiler in the cylinder, a small quantity of vaporizable liquid in the cylinder in contact with said boiler arranged when vaporized to move the piston away from the boiler; means cooperating with said piston to form a dashpot controlling the movement of the piston, locking means holding the member in adjusted position, an electrical circuit for heating the boiler including a manual switch, means including an electromagnet for releasing the locking means, and means for energizing the electromagnet including a second manual switch.

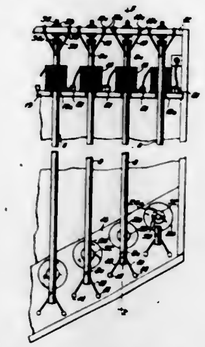
2,548,709
OVERLOAD AUTOMATIC REVERSIBLE CONTROL
Charles Drexler, Indianapolis, Ind.
Application September 12, 1946, Serial No. 696,589
6 Claims. (Cl. 318—475)



1. In a structure having a load stallable power operable device, a reversible electric motor for reversibly driving the same, a positive mechanical connection therebetween and a motor controlled circuit, switch means in said circuit operable upon mechanical overload of the device for stopping motor driving of the device, the combination therewith of cyclic operable unidirectionally rotatable means, a unidirectional motor for operating said means, switching means for controlling the circuit of said unidirectional motor, operable with said first mentioned switch means for closing the circuit through said unidirectional motor, other switch means in the motor circuit for the first motor for the reverse driving thereof and operated by said cyclic means for predetermined reversed motor operation, and other means operated by said cyclic operated means for operating the switch controlling said unidirectional motor to stop the same and stop the rotation of the said cyclic operating means and reclosing the first mentioned switch means for effecting the forward drive of said first mentioned electric motor.

2,548,710
CHIME
Francis L. Dodd, Merrick, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application August 18, 1947, Serial No. 769,143
10 Claims. (Cl. 84—1.04)

1. A musical instrument comprising a plurality of tuned vibrating elements, a striker mounted adjacent each of said elements and operable to strike such element, means for selectively actuating said strikers, a pick-up winding carried by each element whereby longitudinal vibrations of said elements induce electrical currents in said pick-up winding, magnet means adjacent said pick-up winding for controlling the effect of transverse vibrations of said elements on the electrical currents induced in said windings, and means adjacent the lower end of said element for resisting excessive vibration thereof.



2,548,711
COMBINED WALKING CANE AND INSTRUMENT SUPPORT
Webb Embrey, St. Joseph, Mo.
Application July 2, 1946, Serial No. 681,093
4 Claims. (Cl. 248—155)

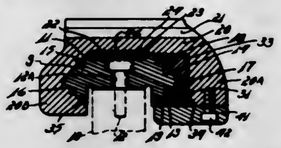


1. A combined walking cane and instrument support comprising a tubular member having external threads at its upper end, a handle attached to the said member, ribs extending longitudinally of the member and secured to the inner wall thereof at the upper end, clamping members coacting with the ribs, means for moving the clamping members with relation to the ribs, an apertured cap engaging the said threads of the member, a staff extending through the cap and adapted to be clamped at different positions of adjustment by the clamping members, means thereon for operating the clamping members and moving them with relation to the ribs, and an instrument holder mounted on the outer end of the staff.

2,548,712
SLIDE MOUNTING
Fred Firmin, Detroit, Mich., assignor to Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan
Application December 13, 1946, Serial No. 716,123
1 Claim. (Cl. 308—3)

A device of the class described comprising: a slide block having oppositely disposed side faces, each formed V-shaped in cross-section; a slide positioned over said slide block and having a V-shaped groove for engaging and conforming to the surface of one of the side faces of said slide block, said slide block having a longitudinal recess formed on its upper face, registering with a longitudinal recess formed on the lower face of said slide; a presser plate positioned in said re-

cesses and moveable longitudinally therein, said presser plate having an inclined face engaging an inclined face in one of said recesses and effecting, upon longitudinal movement in one direction, a separating pressure between the lower face of said slide and the upper face of said slide block for pressing the faces of said V-shaped groove against the side face of the slide block engaging in said groove; and means engageable with said presser plate and said slide block for



effecting longitudinal movement of said presser plate; a presser block having a V-shaped groove for engaging the opposite side face of said slide block and seated in a recess formed in said slide and adapted, upon longitudinal movement, for exerting a separating presser between the bottom of said last named recess and the engaged face of said slide block; and means engageable with said presser block and said slide for effecting longitudinal movement of said presser block.

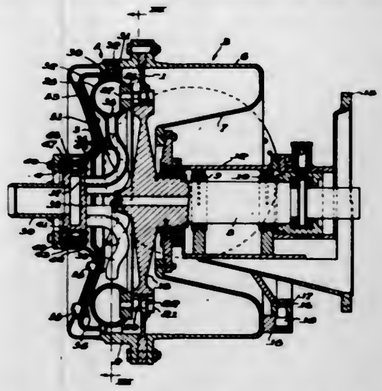
2,548,713
INSULATED MULTISECTION CONDENSER ROTOR SHAFT
Berne N. Fisher, New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application April 4, 1946, Serial No. 659,459
12 Claims. (Cl. 174—138)



1. A rotor shaft for a multi-section variable condenser comprising a plurality of axially aligned shaft sections having axial ball bearing seats at their opposing ends, insulating ball bearing means between said shaft sections and in said seats, said shaft sections being pressed axially toward one another so as to retain said ball bearing means in said seats, and insulating connecting means secured to said shaft sections and extending from one to the other, whereby said shaft sections are simultaneously rotatable but are insulated one from the other.

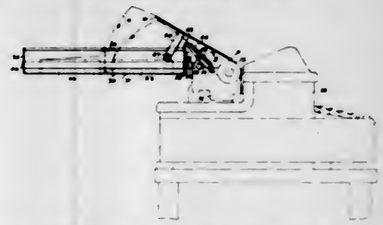
2,548,714
ELASTIC FLUID TURBINE
Samuel C. Fisher, Jeannette, and Ralph S. Lynch, Greensburg, Pa., assignors to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application May 9, 1950, Serial No. 160,928
10 Claims. (Cl. 253—65)

1. An elastic fluid turbine comprising a casing provided with a side wall, a turbine rotor rotatably mounted in the casing, the casing having an end wall in front of the rotor provided with a central opening, a toroidal nozzle ring mounted in the casing between said end wall and rotor and spaced from said side wall to allow for radial expansion of the ring, said ring being provided with a plurality of circumferentially spaced inlet ports, a tubular hub extending through said end wall opening with its outer end adapted to be connected to a source of elastic fluid, and a plurality of hollow spokes connecting the inner



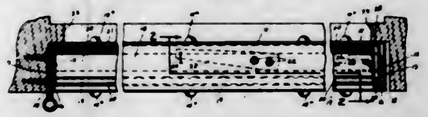
end of the hub with said ring ports, said spokes being curved lengthwise to prevent interference with radial expansion of the ring.

2,548,715
PAPER CARRIER FOR TYPEWRITERS
William M. Fitzgerald, Sanford, N. C.
Application December 20, 1948, Serial No. 66,225
6 Claims. (Cl. 197—133)



1. In combination with a typewriter having a laterally moving carriage provided with a platen and a paper guide, a container secured to and solely supported by the laterally movable carriage for containing an elongated sheet of paper, guiding means on the container extending over the paper guide and secured thereto for directing sheets of paper to the platen, and second guiding means secured to the container and disposed above the first guiding means for directing the paper from the platen back to the container.

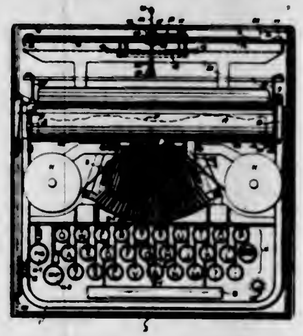
2,548,716
WEATHER SEALING MECHANISM
Samuel M. Funk, Muncie, Ind.
Application November 7, 1947, Serial No. 784,664
1 Claim. (Cl. 20—67)



A weather sealing mechanism for a door and frame therefor comprising a housing removably secured to the lower edge of said door and having side and end walls, one of said side walls having an

aperture formed therethrough in confronting relation to a portion of the door frame, a rock shaft journalled in the end walls of said housing, flexible sealing means associated with said shaft and rockable therewith into and out of sealing engagement with a threshold, a leaf spring connected adjacent one of its ends to the lower edge of said door and intermediate the ends thereof, an element connecting the free end of said spring with the upper face of said sealing means, said spring normally constraining said sealing means out of engagement with said threshold when the door is in open position, a transversely disposed guideway connected to said lower edge adjacent one end thereof, a member slidably mounted in said guideway and normally extending through said aperture beyond the side wall of said housing, said member having a vertically disposed depending portion formed at its rear extremity, a second element connecting the lower extremity of said depending portion to the lower face of said sealing means, whereby upon door closure said slidable element is forced rearwardly by said door frame, thereby moving said sealing means into sealing engagement with said threshold.

2,548,717
AUTOMATIC CHARACTER REPEATING MECHANISM FOR TYPEWRITERS
William S. Gates, Jr., Springfield, Ill., assignor to Vauna Mary Brown Gates, Springfield, Ill.
Application November 8, 1948, Serial No. 58,929
23 Claims. (Cl. 197—113)

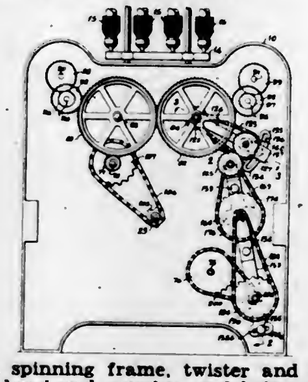


22. In a typewriter having a movable carriage and a typing key mechanism cooperating with said carriage, a repeating mechanism associated with at least one typing key of said typing mechanism, means for initiating the operation of said repeating mechanism, a mechanism responsive to the travel of the carriage to a predetermined point adapted automatically to discontinue the operation of the repeating mechanism, and apparatus responsive to preliminary carriage movement for automatically adjusting said discontinuing mechanism to determine the position of said desired point of discontinuation.

2,548,718
STRIPPING AGENT FOR POLYSULFIDE ELASTOMER COATINGS
Melvin F. George, Jr., Los Angeles, and Eugene V. Kleber, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
No Drawing. Application February 12, 1947, Serial No. 728,286
4 Claims. (Cl. 252—153)

2. A stripping agent for polysulfide elastomer coatings comprising on an approximate weight basis 50% to 99% of a swelling agent for cured polysulfide polymers chosen from the group consisting of cyclopentanone and cyclohexanone and from 1% to 20% dibutyl ammonium dibutyl dithiocarbamate, and from 1% to 40% mercapto ethanol.

2,548,719
TRAVERSE MOTION DRIVE FOR SPINNING AND TWISTER FRAMES
Jesse B. Goodgame, Charlotte, N. C., assignor to Precision Gear and Machine Company, Charlotte, N. C., a corporation of North Carolina
Application December 14, 1949, Serial No. 132,979
3 Claims. (Cl. 57—92)

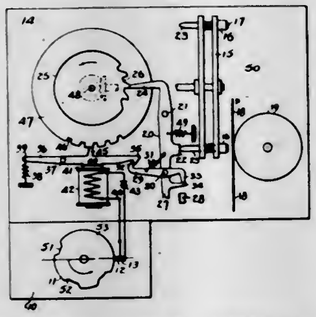


1. In a spinning frame, twister and the like having a head end member and being provided with a main drive shaft and a rotatable shaft rotatably mounted in the head end member, said spinning frame also having a builder motion cam fixedly mounted on the rotatable shaft and being provided with a builder motion having means thereon for engaging the builder motion cam, said spinning frame also having a pair of stub shafts thereon provided with a pair of intermeshing interim gears mounted thereon, a change gear bracket having a fork on one end loosely engaging one of said stub shafts, the other end of said change gear bracket having a U-shaped portion being provided with a spur gear and a sprocket wheel rotatably mounted thereon, the U-shaped portion of the change gear bracket also having wing portions integral therewith and being provided with an arcuate slot, means secured to said head end member and projecting through the arcuate slot for adjustably securing the change gear bracket to the head end member, a driving connection between the interim gear having the change gear bracket engaging its stub shaft and the sprocket wheel mounted on said change gear bracket, means connecting the sprocket wheel with the change gear, a lay compound gear meshing with said change gear, a series of sprocket wheels and sprocket chains connecting the lay compound gear with the said rotatable shaft having the builder motion cam thereon, and means for transmitting rotation from the main drive shaft to the interim gears to, in turn, transmit rotation to the builder motion cam.

2,548,720
TELEGRAPH SYSTEM
Edgar Gretener, Zurich, Switzerland
Application December 31, 1947, Serial No. 795,157
In Switzerland May 2, 1946
6 Claims. (Cl. 178—30)

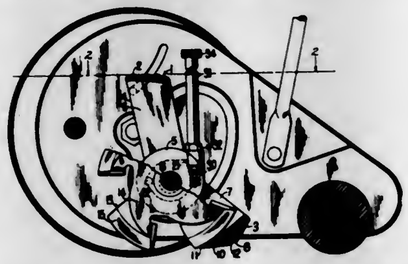
1. In a telegraph receiver, two synchronized control wheels, an armature adjacent one of said

wheels mounted for movement relative thereto, a coil, said coil and one of said wheels jointly controlling the movement of said armature, printer actuating means adjacent the other of said wheels and mounted for movement relative



thereto, interlock means releasably engaging said armature and said printer actuating means, said other of said wheels controlling the movement of said printer actuating means whereby intelligence may be caused to be printed.

2,548,721
LAWN MOWER
Benny T. Grobowski, Newark, Ohio, assignor to The E. T. Rugg Company, Newark, Ohio, a corporation of Ohio
Application January 29, 1949, Serial No. 73,564
4 Claims. (Cl. 56—294)



1. A mower comprising a rigid frame, said frame comprising vertically spaced transverse members and connecting side members joined together, the lower transverse member being provided with a bed knife, a cutting reel disposed on a shaft, bearing members pivotally supported by said side members, said shaft being journaled in said bearing members of said pivotal support, and adjusting means interconnecting said side members and said bearing members for moving said bearing members so that the reel is adjusted with respect to said bed knife.

2,548,722
FLARE
George Wickliffe Haigh, Wichita, Kans., assignor to The Miro-Flex Company, Wichita, Kans., a corporation of Kansas
Application March 21, 1949, Serial No. 82,660
6 Claims. (Cl. 248—33)

1. A road signal including a frame adapted to carry signal elements, said frame having extensions forming U-shaped base members and having spaced openings therein, and frames forming a support for said signal, said frames having legs slidable in said openings in said U-shaped base



members so that the frames will collapse alongside the signal frame when not in use.

2,548,723
TELEPHONE SET HOOK-SWITCH APPARATUS
Joseph F. Houdek, Jr., Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1945, Serial No. 604,856
3 Claims. (Cl. 179—100)



2. In a telephone substation set, a mounting block, a hookswitch and means for assembling it with the block, a control plunger extending upwardly through an opening in the block, said plunger having a shoulder portion cooperating with the underside of the block to limit upward movement of the plunger, a pivot carried by the block, a two-armed lever supported on the pivot with one arm underlying the plunger and other arm operatively associated with the hookswitch, said lever having a downwardly facing transverse pivot-receiving channel formed therein at the junction of said arms which defines its location on the pivot, the parts being so related that assembling the hookswitch with the block, following the assembly of the plunger and lever therewith, holds the lever against vertical displacement with respect to the pivot and holds the plunger at its uppermost position with its shoulder portion in contact with the block.

2,548,724
OIL WELL REAMER
Judson C. Jones, Joplin, Mo., assignor of one-third to L. Ray Samer and one-third to Thelma M. Samer, both of Joplin, Mo.
Application September 5, 1947, Serial No. 772,241
3 Claims. (Cl. 255—76)

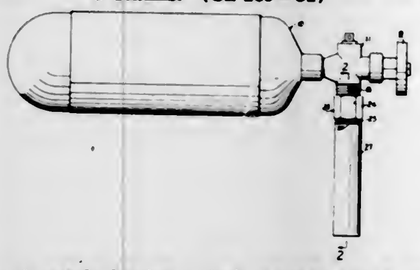
1. In an oil well reamer, a plurality of roller cutters rotatable about a central axis, the ends of said roller cutters being formed by planes transversely of the central axis, each of said cutters being cylindrical and having a plurality of equally spaced identical peripheral teeth, and cutting edges on said teeth in the periphery of the cutter, said cutting edges being oppositely inclined relative to a central transverse plane

through the cutter whereby the portion of the cutting edges adjacent the central plane leads the portion of the cutting edges adjacent the



ends of the respective cutters, said teeth being inclined downwardly and backwardly from the peripheral cutting edges.

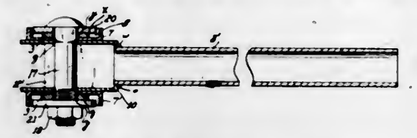
2,548,725
NOZZLE
David W. Justis, Charlotte, N. C.
Application November 18, 1949, Serial No. 128,213
3 Claims. (Cl. 169—31)



1. A nozzle having a hub portion and a tube portion having one of its ends fitted over the end of the hub portion, means for connecting the other end of the hub portion to a source of gas under pressure, said hub portion having at least one longitudinally extending bore for introducing the gas to the interior of the tube portion, the hub portion also having a peripheral groove therein adjacent the tube portion fitted over one end of the hub portion, and said hub portion having a plurality of substantially longitudinally extending bores therein adjacent its circumference, said last-named bores communicating with the interior of the tube portion and with the peripheral groove of the hub portion whereby upon gas entering the tube portion and expanding, air will be drawn into the tube through the last-named bores from the atmosphere to prevent the creation of a vacuum in the tube and to wipe the interior surface of the tube.

2,548,726
CYCLE SADDLE
Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application January 26, 1946, Serial No. 643,583
4 Claims. (Cl. 155—5.24)

1. A cycle saddle clamp comprising, the combination with a pair of laterally spaced strap-type reach members carrying means providing a pair of relatively opposed indentured clamping surfaces, a post, a box like head therefor formed from a cruciform blank having a rectilinear central portion, and four arms extending in different directions therefrom, like surfaces of a pair of oppositely extending arms of said blank being indentured to provide alternate ridges and grooves, said arms adapted to be bent at their junctions with said central portion to provide front, rear and indentured side walls of a box structure having an open top and a bottom wall afforded by said central blank portion, and with



said front and rear walls disposed in bracing relation between the border portions of said side walls, and with the indentured sides of said side walls disposed outermost, said post being rigidly affixed to the bottom wall of the box structure and extending therefrom in a direction opposite to the direction of extent of said box walls, and normal to the plane of said bottom wall, and bolt means for compressively securing said reach members in embracing relation to said means with each said indentured clamping clamping surface in intermeshed engagement with the indentured surface of a different of said box side walls.

2,548,727
PREPARATION OF NICKEL CARBONYL
John F. Kincaid, Mount Holly, N. J., and James S. Strong, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 22, 1948, Serial No. 2,818
9 Claims. (Cl. 23—203)

1. The process of making nickel carbonyl wherein a fluid aqueous slurry of a freshly precipitated hydrated nickel oxide prepared by mixing in water a water-soluble nickel salt, a member of the group consisting of alkali and alkaline earth hydroxides and from 4 to 12 mole per cent, based on the nickel salt, of at least one member from the group consisting of water-soluble sulfides and water-soluble thiosulfates is reacted with carbon monoxide under a pressure in excess of 1000 pounds per square inch under alkaline conditions and at a temperature of from 60° to 200° C.

2,548,728
PREPARATION OF NICKEL CARBONYL
John F. Kincaid, Mount Holly, N. J., and James S. Strong, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 4, 1949, Serial No. 91,418
6 Claims. (Cl. 23—203)

1. The process of preparing nickel carbonyl which comprises bringing carbon monoxide into intimate contact, at a temperature of 50° C. to 200° C. and under a pressure in excess of 1000 lbs. per square inch, with an alkaline, aqueous slurry of a freshly precipitated hydrated nickel oxide, prepared by mixing in water a water-soluble nickel salt and a member of the class

consisting of alkali and alkaline earth metal hydroxides, said slurry being maintained at an alkaline pH of at least 7.5 and containing cyanide ions in an amount equal to 2.5 to 25 mole per cent based on the weight of said hydrated nickel oxide, and thereafter isolating the resultant nickel carbonyl.

2,548,729

FOUNTAIN BRUSH WITH SEPARATE HANDLE, CONTAINER, AND BRUSH BASE

Daniel Kumpman, Dover, N. J.

Application August 1, 1947, Serial No. 765,461
8 Claims. (Cl. 15—122)



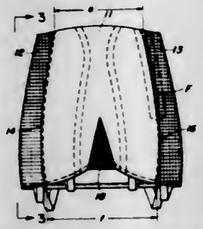
1. A fountain brush comprising a container, a separate handle member, and a separate, perforated brush base, said container comprising an open top, opposing sides, opposing ends, and a base having perforations formed therein, said handle member comprising a top surface portion, opposing sides and, a back attached to said opposing sides and adapted to be fitted over said container, said brush base being supported along the bottoms of said opposing sides of said handle member, said brush base further being fitted into the front end of said top surface portion and the base of the back of said handle member, and bristle tufts disposed on bottom surface portion of said brush base.

2,548,730

LADY'S FOUNDATION GARMENT

Sigmund W. Kunstadter, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois

Application March 22, 1950, Serial No. 151,197
3 Claims. (Cl. 2—37)



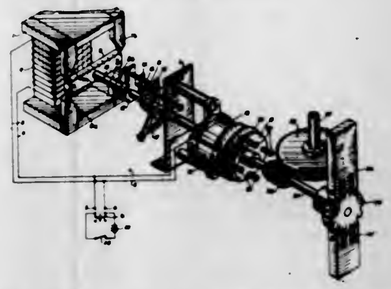
1. A foundation garment adapted to encompass the wearer's lower torso, hip joints and upper thighs, the garment having vertical front and rear panels, and elastic stretchable vertical side panels with vertical seam connections between the side panels and the front and rear panels, means for modifying the stretchability of selected portions of the elastic panels comprising a stretch modifying partial layer of elastic material fastened to and embodied in the elastic panel, the partial layer being attached to the lower horizontal edge and extending to a point adjacent the top of the elastic panel and having a shallow indentation on at least one edge thereof defining a shallow upper lobe and a shallow lower lobe with the upper lobe being shorter than the lower lobe, whereby the shape of the partial layer being such that a resistance to stretch horizontally of the elastic panel is relatively increased in view of variations of elastic compressive force placed thereon by the partial layer with such resistance following generally the outline of the partial layer.

2,548,731

REVERSIBLE STEP MOTOR

Henry C. Lehde, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 18, 1949, Serial No. 128,223
6 Claims. (Cl. 172—36)



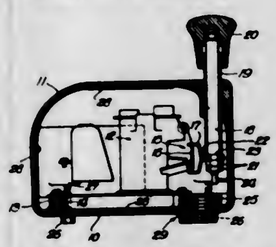
1. In a mechanism for producing fixed increments of rotation corresponding in direction to the polarity of an energizing pulse of current, a magnetic element having a polarized field adapted to be energized, a polarized rotatable magnetic means positionable in said field and having a shaft, a magnetic clutch energized simultaneously with the energization of said polarized field, means to so energize said magnetic element and said clutch to rotate said shaft, an output shaft coupled by said clutch to the first named shaft whenever said polarized field and said clutch are simultaneously energized, means coacting with said output shaft to fix the magnitude of its rotation in response to each current pulse, and means for zeroing and for providing a restoring torque to said polarized means and its shaft.

2,548,732

SWITCH BOX

Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation

Application May 4, 1946, Serial No. 667,307
4 Claims. (Cl. 200—168)



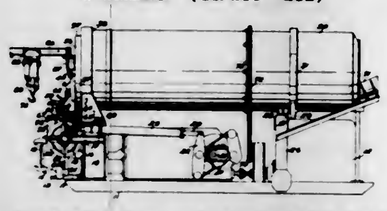
1. A device of the class described comprising, in combination, a housing, mechanism within said housing having an element adapted to be moved with respect to the remainder of said mechanism and with respect to said housing, a friction sleeve extending through an opening in said housing and secured thereto, a plunger slidably and frictionally supported interiorly within and by said sleeve and extending at its ends beyond said sleeve, and tong means carried by said plunger and adapted to engage said element for the movement thereof upon the movement of said plunger.

2,548,733

APPARATUS FOR PUMPING CONCRETE

Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 29, 1947, Serial No. 771,276
3 Claims. (Cl. 259—161)



1. Apparatus for maintaining and feeding a supply of plastic concrete to a pump comprising a frame, a stationary substantially vertical head having an aperture in its lower portion, said head being mounted on said frame, a conduit providing communication between said aperture and said pump, a rotatable receptacle in sealing engagement with said head, said receptacle having agitating means mounted therein arranged to propel the concrete under pressure through said conduit, a bearing disposed centrally of and supported by said head, and a spider mounted on said bearing and connected to the discharge end of said receptacle, the legs of said spider being spaced axially from said head and having a sloping face arranged to assist said agitating means in propelling concrete through said aperture during rotation of the receptacle.

2,548,734

INSERTABLE VENT PIPE

Alcide Edward Mathey, Allston, Mass., assignor to Scully Signal Company, East Cambridge, Mass., a corporation of Massachusetts

Application November 5, 1947, Serial No. 784,122
10 Claims. (Cl. 220—86)



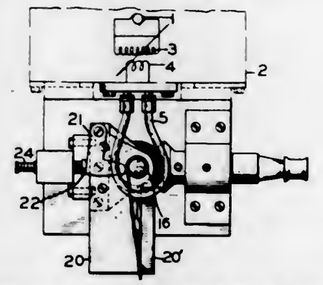
2. As an article of manufacture, an auxiliary venting unit adapted to be positioned in the fill pipe of a closed tank in which the fill pipe is of the conventional two-piece hose coupled type and leads into the tank close to the maximum level of fill, said venting unit comprising a vent pipe relatively small with respect to the fill pipe in which it is to be inserted, and shaped generally to fit within said fill pipe, a supporting member in the form of a transverse plate having an outside diameter greater than the inside diameter of said fill pipe whereby said supporting member may be positioned and secured between the ends of the two pieces of said fill pipe, said plate having one opening therethrough through which said vent pipe passes, and having another opening therethrough through which liquid may flow to reach said tank, and means associated with said other opening for causing the liquid to flow smoothly below said plate, the inner end of said vent pipe located at a position when said unit is secured in said fill pipe where displaced gas may enter said vent pipe without interference from said smoothly flowing liquid.

2,548,735

ART OF SPRINGMAKING

Adolph Meletti, Philadelphia, Pa., assignor to The Vacuum Cleaner Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application October 1, 1948, Serial No. 52,248
5 Claims. (Cl. 219—3)



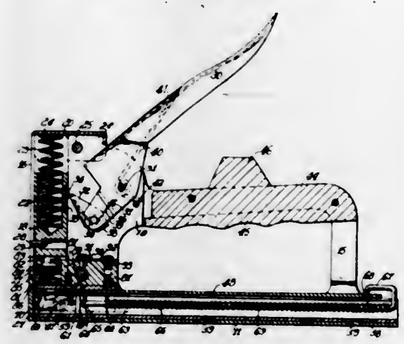
1. A method of forming a collar on a tempered spring strip which comprises coiling an end of the strip by a hot former without preheating the strip for coiling to a temperature above that at which it is coiled and in a magnetic field of sufficient intensity to effect induction heating of the former and end being wound.

2,548,736

TACKER

Kenneth F. Morberg, Chicago, Ill., assignor to Henry A. Torstenson, Chicago, Ill.

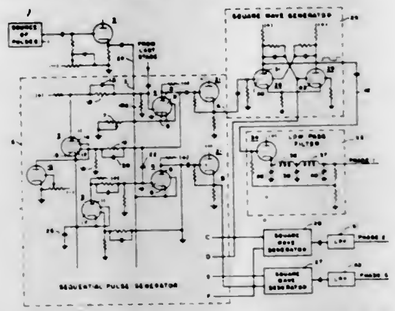
Application November 5, 1945, Serial No. 626,675
1 Claim. (Cl. 1—49)



In a fastener driving mechanism comprising a housing having an upright guideway, a driver mounted in said guideway, spring means for forcing the driver downwardly to drive a fastener, means for feeding fasteners to a driving

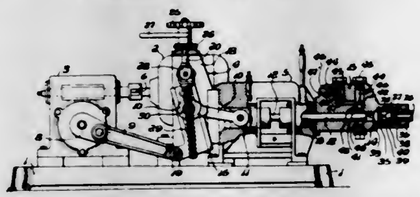
position beneath the driver, means for raising the driver against the action of the spring to a predetermined position and then releasing the same, a bumper block having a forward portion extending beneath the driver and provided with a recess therein, a spring pressed bumper member mounted in said recess whereby upon descent of the driver to deliver a blow to drive a staple the driver will engage the bumper near the end of its movement to cushion the same.

2,548,737
MULTIPLEX PHASE GENERATOR
Frank A. Morris, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application January 11, 1949, Serial No. 70,250
9 Claims. (Cl. 250—36)



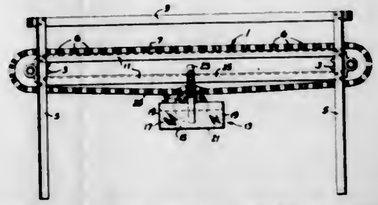
1. A multiphase generator comprising a source of recurring equally-spaced pulses, a pulse generator having a plurality of outputs, means utilizing said spaced pulses for operating said pulse generator to develop sequential trigger pulses at said outputs, a plurality of square wave generators arranged to remain in one or the other of two conditions, one square wave generator being provided for each phase to be generated, certain of said outputs being connected to trigger sequentially said square wave generators to said one condition, and means utilizing certain of said outputs for sequentially triggering said square wave generators in the same order to said other condition.

2,548,738
PUMP UNIT
John J. Orlich and Herman A. Orlich, Philadelphia, Pa.
Application October 9, 1947, Serial No. 778,848
5 Claims. (Cl. 103—38)



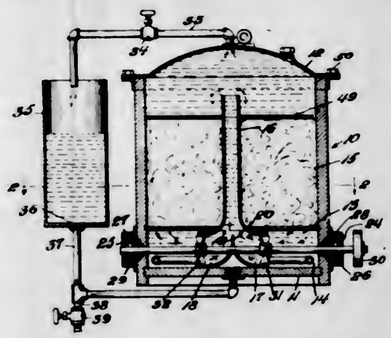
1. A pump unit comprising a motive member including a driving means and a speed reducing means, a piston member, a stroke regulator comprising a fulcrumed oscillatory lever with which said motive member and piston member are operatively connected, and means for shifting the point of connection of one of said members to the lever relatively to the fulcrum of the latter including alignment of said point of connection and said fulcrum, said shifting means including a shaft having a threaded section operatively connected with said last named member and a flexible joint permitting movement of said threaded section with said lever.

2,548,739
APPARATUS FOR APPLYING LUBRICANT TO THE SURFACE OF AN ENDLESS CONVEYER
Lawrence W. Peck, St. Louis, Mo., assignor to Peck's Products Company, St. Louis, Mo., a corporation of Missouri
Application December 23, 1949, Serial No. 134,726
3 Claims. (Cl. 198—1)



2. The combination of an endless conveyor having a flat article-carrying upper reach and a lower reach; a lubricant fountain mounted beneath the lower reach of the conveyor for a lubricant subject to foaming; and a lubricant-applying roller journalled in the lubricant fountain in position for engagement with the downwardly facing surface of the lower reach of the conveyor, said roller being hollow and having perforated cylindric and end walls, the perforations being larger than the thickness of the walls.

2,548,740
APPARATUS FOR DYEING OR OTHERWISE TREATING FIBROUS MATERIALS
John M. Rugh, Providence, R. I.; Mary Rugh, administratrix of said John M. Rugh, deceased, assignor to Mary Rugh and Flora M. Rugh, both of Providence, R. I., as joint tenants
Application April 28, 1948, Serial No. 23,696
3 Claims. (Cl. 68—184)



1. An apparatus for dyeing or otherwise treating fibrous materials comprising a vessel for containing said materials and the treating liquid, said vessel having a perforated partition spaced from the bottom thereof providing a compartment spaced from the lower portion of the vessel for containing the material to be treated and a sump below said partition, a closure for said vessel, an outlet at the upper portion of said vessel, an expansion chamber, a first conduit from the lower portion of said expansion chamber to the lower portion of said vessel, a second conduit from said outlet to the top of said expansion chamber, means for controlling flow of liquid through said second conduit, a vertical conduit in said vessel extending from the sump through said partition to above the level of the said material in said compartment and having an opening in the lower portion thereof exposed to the liquid in said sump, means including a rotatable impeller positioned in the last said opening for moving the liquid from the sump upwardly through said conduit in a volume greater than may flow through said controlled conduit, whereby to build a pressure in said vessel above the level of said material to force said liquid downwardly through said material, and through said perforated partition to said sump thus bypassing the circulation through the expansion chamber.

2,548,741
PREPARATION OF ESTERS OF ISOTHIOCYANIC ACID
Ralph E. Sayre, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 12, 1948, Serial No. 14,632
19 Claims. (Cl. 260—454)

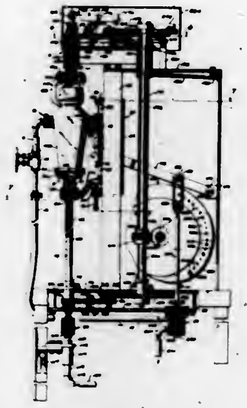
1. A process of preparing isothiocyanic esters which comprises reacting at least one amine selected from the group consisting of primary amines of the aryl, alicyclic and aliphatic series, with liquid carbon disulfide under pressure at a temperature of at least 100° C. whereby at least one isothiocyanic ester and hydrogen sulfide are formed, and removing the hydrogen sulfide formed during the reaction.

2,548,742
SHOULDER HOSE SUPPORTER
Morris M. Scheinberg, Brooklyn, N. Y., assignor to Sturm & Scheinberg, Inc., New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,470
2 Claims. (Cl. 2—335)



1. A hose supporter comprising a pair of elongated straps, each strap consisting of front, rear and medial portions, garter means at the free ends of said portions, each strap being adapted to rest at its medial portion on the shoulder of the wearer with the front portion extending down in front and the rear portion in back of the wearer; adjustable means interconnecting the rear portions of the straps in parallel spaced apart relation, at a point corresponding to an intermediate position between the waist and the shoulders of the wearer, and adjustable joining means uniting the front and rear portions of each strap at a point below said connecting means corresponding to the waist and at the side of the wearer.

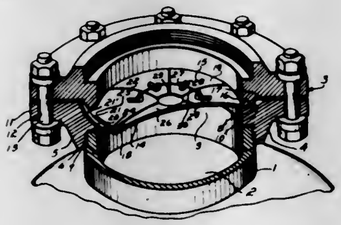
2,548,743
APPARATUS FOR FINISHING GLASSWARE
Carl W. Schreiber, Atlantic City, N. J., assignor to General Glass Equipment Co., Atlantic City, N. J., a corporation of New Jersey
Application June 19, 1947, Serial No. 755,789
10 Claims. (Cl. 49—50)



5. In an apparatus for severing a moil from an article of glassware, polishing and finishing the ware, the combination of a chuck for gripping the moil, a holder for the ware, a burner for applying flame around the outside of the ware, said burner being mounted for reciprocation between said chuck and said holder along the common axis of rotation of said holder and chuck, automatic means for positively moving the burner as stated in coordination with the operation of the chuck and holder, and automatic means for swinging the chuck in a plane perpendicular to said axis of rotation.

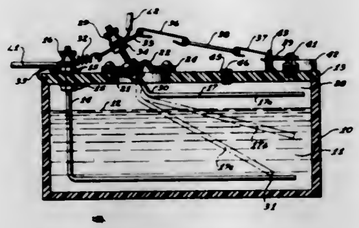
10. Apparatus for severing a moil from an article of glassware comprising a moil-gripping, rotating and disposal assembly which oscillates in a horizontal plane said assembly comprising a rotary chuck, spring means for holding said assembly in a normal moil-gripping and rotating position, means to rotate said chuck, a chuck-opening lever, a cam moved by said chuck-rotating means, which engages a portion of said lever moving the same to open said chuck, and means to swing said assembly out of said normal position for disposal of a moil comprising a second lever pivotally mounted at one end on a fixed pivot point and slidably engaging said assembly at the other end and a second cam moved by said chuck-rotating means which engages a portion of said second lever causing the lever to move said assembly in a horizontal plane.

2,548,744
SAFETY DEVICE
Howard N. Simms, Independence, Mo., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application April 30, 1949, Serial No. 90,733
12 Claims. (Cl. 220—89)



1. A safety device including a yieldable diaphragm for sealing a relief opening through which pressure is adapted to be relieved from a high pressure zone on one side of the diaphragm to a lower pressure zone on the other, and backing means for supporting the diaphragm under normal working pressure differentials including means in contact with the diaphragm and having strand engaging portions, and a frangible strand interconnecting said strand engaging portions and having a tensile strength to retain the contact means in supporting contact with the diaphragm under said working pressure differentials and to give way under a predetermined pressure differential established by the tensile strength of said strand.

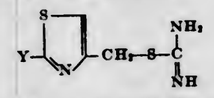
2,548,745
ELECTROLYTIC RHEOSTAT
Victor H. Smith, Phoenix, Ariz.
Application May 18, 1950, Serial No. 162,714
9 Claims. (Cl. 201—57)



1. An electrolytic rheostat comprising a tank, a cover fixed on said tank, an electrolyte in said tank, a fixed electrode supported from said cover in said tank submerged in said electrolyte, a movable electrode, means for mounting said movable electrode on said cover, and means for actuating said movable electrode from a position above the electrolyte in said tank to intermediate positions of partial submergence in said electrolyte.

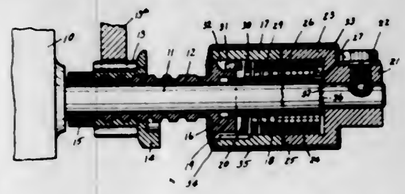
2,548,746
S-(4-THIAZOLYLMETHYL)-ISOTHIOUREAS
James M. Sprague, Drexel Hill, and Anthony H. Land, Ridley Park, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application October 10, 1947, Serial No. 779,211
6 Claims. (Cl. 260—302)

1. Compounds of the formula



in which Y is a member of the group selected from alkyl, aryl and amino radicals.

2,548,747
STARTER TYPE CLUTCH
William Carleton Starkey, Indianapolis, Ind.; Fletcher Trust Company executor of said William Carleton Starkey, deceased
Application July 12, 1947, Serial No. 760,670
7 Claims. (Cl. 192—41)

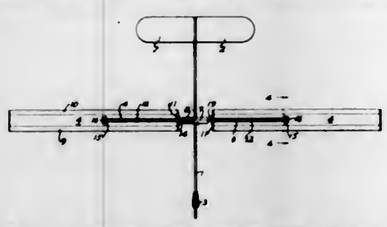


1. A torque limiting device including a driving member having a cylindrical clutch surface, a driven member having an aligned coaxial and adjacent clutch surface, a clutch spring having a series of expansible and contractible coils normally in clutching engagement with one of said clutch surfaces and including an unloading end, said spring having a load carrying coil spanning the adjacent ends of said clutch surfaces in clutching engagement therewith through which driving torque is transmitted therebetween, a load sensitive coil in said spring adjacent said load carrying coil adapted to flex under an overload torque to permit angular displacement of said members, a flexible torsion spring coil connecting said load sensitive coil to the other of said members, and an unloading element operable by said angular displacement to engage the unloading end of said spring for progressively unloading the coils thereof to the extent that said load sensitive portion is flexed, and thereby limit the clutching capacity of said spring to substantially a maximum load.

2,548,748
FLYING TOY
Raymond J. Stephan, Hayward, Calif.
Application March 11, 1947, Serial No. 733,778
3 Claims. (Cl. 244—154)

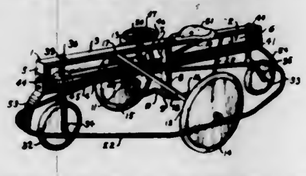
1. A flying toy comprising a piece of thin flat material forming a planar body having a forwardly extending stabilizing portion of relatively large area, a wing mounting block inset transversely of the body and extending laterally from the sides thereof substantially midway between its ends, a pair of wing mounting shafts mounted in symmetrical laterally extending relationship on opposite ends of the block, wings

mounted upon the shafts in freely rotatable relation thereto, said wings being rotatable by



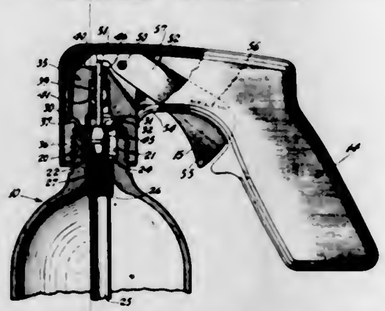
the flow of air currents therepast, and a cord attached to the body forwardly of the wings.

2,548,749
CHILD'S VEHICLE
Twyman J. Stout, Wichita, Kans.
Application September 30, 1948, Serial No. 52,003
4 Claims. (Cl. 280—270)



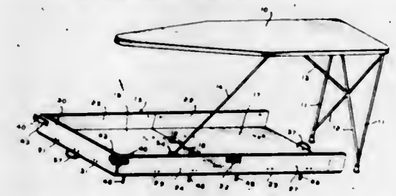
1. A vehicle including a longitudinal frame, an axle, means for mounting the axle transversely of a mid portion of the frame, main wheels mounted on the ends of the axle, a caster wheel pivotally supporting one end of the frame, and a steering wheel supporting the other end of the frame, said axle having foot engaging cranks projecting laterally away from opposite sides of the frame to propel said vehicle by an operator seated astride said frame.

2,548,750
INDICATOR
John H. Stroop, New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application November 23, 1946, Serial No. 711,995
15 Claims. (Cl. 116—114)



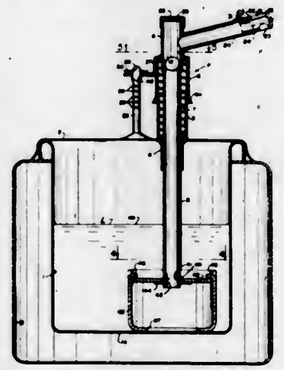
1. In a valve, the combination of a housing having inlet and outlet ports, a valve seat between said ports which is displaceable when a fluid pressure medium acting from said inlet port exceeds a predetermined pressure, a valve member for said valve seat, spring means for urging said valve member against said valve seat, a valve stem for said valve member, a trigger having an arm, and spring means weaker than said first spring means for maintaining said arm in engagement with said valve stem whereby said trigger is adapted to be moved into an indicating position upon displacement of said valve seat.

2,548,751
AUXILIARY SUPPORT FOR USE WITH IRONING BOARDS
Willard H. Till, Raleigh, N. C.
Application March 25, 1948, Serial No. 16,930
3 Claims. (Cl. 38—111)



1. An auxiliary support for use with an ironing board having a pair of legs at one end and a single leg extending toward the other end, said support comprising a pair of members hingedly connected together and forming a supporting surface, side walls and an end wall hingedly connected to said members, latch means on said side and end walls and cooperating to retain said walls in upright position and said members in coplanar position, foldable legs secured to the lower surface of said members and means for locking said foldable legs in extended position, an aperture in one of said members for receiving said single leg, resilient means secured to one of said members adjacent said aperture for embracing said single leg of said ironing board thus preventing relative movement between said ironing board and said support, said support being capable of being folded to form a compact substantially flat package, and a pair of carrying handles secured to said members.

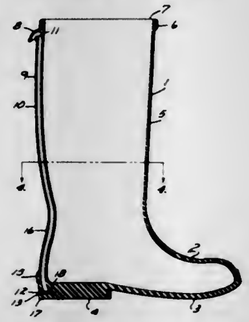
2,548,752
PUMP DISPENSER
Thomas L. Titus, Cheyenne, Wyo., assignor to Wyott Manufacturing Co. Inc., a corporation of Wyoming
Application April 15, 1950, Serial No. 156,190
8 Claims. (Cl. 222—378)



1. A pump dispenser comprising, a container having a flat floor and a removable cover, a single

vertically operable plunger and discharge tube combined in one member, means for so operably associating the plunger-tube with said cover, adjustable stop means for defining the extent of downward plunger operation, tension means associated with the plunger-tube for normally holding it upwardly, a washer-piston removably and rigidly secured to the lower portion of said plunger-tube, a spout extension from the upper portion of said plunger-tube, and a freely-rockably floating upright open-topped cup-shaped cylinder associated with said piston and having a flat bottom and a single large intake port formed in its bottom, said port being adapted to be closed upon downstroke operation of the plunger-tube by gravity contact between said cylinder entire bottom and the corresponding surface of the floor of the container, said piston being free to rock during operation and with relation to said piston.

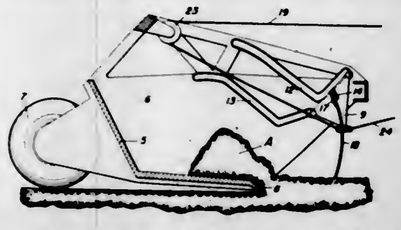
2,548,753
BOOT OR THE LIKE
Carl Gustaf Tranefors, Goteborg, Sweden, assignor to Elmer C. Rhoden, Kansas City, Mo.
Application August 28, 1950, Serial No. 181,854
3 Claims. (Cl. 36—1)



1. A boot of the character described comprising, a foot portion, a heel and top portion, a pocket in said heel, and an air passageway extending upwardly along the back of said boot having its lower end opening into said pocket and its upper end terminating along said top portion, said opening in the heel extending substantially across the rear portion thereof forming a flexible portion on said heel adjacent said passageway whereby said flexible portion will act as a valve to open and close said passageway when the boot is in use.

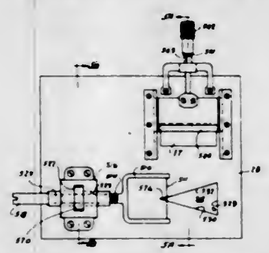
2,548,754
APRON MOVEMENT FOR CARRY TYPE SCRAPERS
Alex A. Vereschagin, Orland, Calif.
Application August 27, 1947, Serial No. 770,806
2 Claims. (Cl. 37—126)

1. In an earth mover, a pair of transversely connected side frames, a carrier fixed between said side frames and having a forward earth-cutting edge, a pair of guide members fixed to the inner surface of each side frame, each of said guides extending downwardly and rearwardly along the frame sides, and then extending rearwardly and upwardly along said sides, one guide of each pair being located below the other guide of the pair, a plate member for each pair of guides, having spaced rollers engaging the respective guides, a shovel-like blade carried by said plate members and depending therefrom, pulleys on said side frames and cables fixed to eyes carried by said plate members and extending around



said pulleys and forwardly for connection to a winding means of a propelling vehicle, said guides being arranged to cause said blade to move downwardly and rearwardly to said cutting edge, and then rearwardly and upwardly over the carrier.

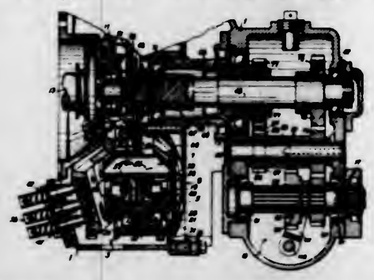
2,548,755
OPTICAL AREA MEASURING SYSTEM
Carl A. Vossberg, Lynbrook, and Frederic A. Fua, New York, N. Y., assignors to Standard Electronics Research Corporation, New York, N. Y., a corporation of New York
Application December 12, 1947, Serial No. 791,334
2 Claims. (Cl. 88—14)



1. In a measuring system, a plate having a pair of apertures formed therein for receiving light beams therethrough to be measured, a shutter on one of said apertures for adjusting the effective size thereof, micrometer actuating means including a micrometer spindle connected to said shutter so as to move it across said one aperture according to the adjustment of said actuating means, said actuating means being calibrated whereby said effective size may be indicated, the other aperture being of triangular shape, a wire movable transversely of said triangular aperture, and micrometer means connected to said wire for moving it across said triangular aperture from the apex to the base thereof.

2,548,756
TRANSMISSION
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, as trustee
Application November 27, 1946, Serial No. 712,521
12 Claims. (Cl. 74—330)

1. A reversing and change-speed transmission comprising a rotary driving element and two coaxial rotary driven elements, rotary inductive electric slip couplings between the driving element and the respective driven elements for effecting movements of the driven elements in the same rotary directions, separately energizable field coils in said inductive couplings, means for selectively energizing said field coils for alternately effecting the couplings to the driven elements from the driving element, a driven gear cluster, forward and reverse gear connections from the respective driven elements to said cluster



for reversably driving the cluster according to the energization of the respective field coils, a driven output shaft to be driven, and selectively operable change gear-means between said output shaft and said cluster.

2,548,757
PREPARATION OF SYNTHETIC RUBBER-CARBON BLACK MIXTURES
James W. Adams, Seymour, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 10, 1950, Serial No. 149,030
4 Claims. (Cl. 260—17.4)

1. The process which comprises mixing with synthetic rubber latex an aqueous dispersion of carbon black containing an alkali hydroxide solution of the amorphous particles obtained from the highly parenchymous tissue of the bark of the Douglas fir tree, coagulating the mixture, and separating the coagulum therefrom.

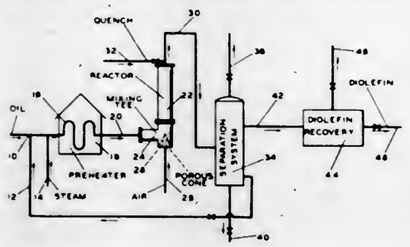
2,548,758
ROOF STRUCTURE
Charles Klemm Agle, Princeton, N. J.
Application March 8, 1948, Serial No. 13,553
5 Claims. (Cl. 108—1)



1. A roof structure comprising an expansible frame, a continuous band encircling said frame, and adjustable means connected to said frame and anchored therebeneath for expanding said frame and maintaining said band under stress.

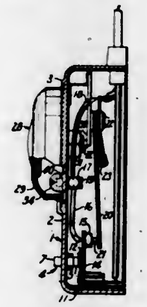
2,548,759
FLUID MIXER-REACTOR
John Gordon Allen, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application July 6, 1943, Serial No. 493,671. Divided and this application October 30, 1945, Serial No. 625,916
5 Claims. (Cl. 23—288)

1. Apparatus suitable for effecting reaction between fluids which comprises a cylindrical conduit an elongated portion of which comprises a reaction chamber, a porous refractory body of relatively large surface area within said conduit immediately upstream of said reaction chamber portion and having a catalytic coating on the surface thereof which is in communication with said conduit, means forming with the opposite surface of said porous refractory body a closed chamber, means for introducing a first fluid into said closed chamber and thence through the pores of said porous refractory body into said conduit, means for flowing a second fluid longitudinally through said conduit past said porous refractory



body, said porous refractory body being so positioned within said conduit with respect to said reaction chamber portion thereof that said first fluid flowing through its pores has at least lateral vector components with respect to said reaction chamber portion of the conduit, whereby rapid and intimate admixture of said first and second fluids occurs at and near said catalyst coated surface and the admixture immediately flows away from said surface into and longitudinally through said elongated reaction chamber, and means for withdrawing fluids from the downstream end of said reaction chamber.

2,548,760
CONTROL FOR ELECTRIC BLANKETS
Guy H. Allgeyer, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 30, 1949, Serial No. 84,351
3 Claims. (Cl. 200—139)



3. A manually operable control for setting a thermostatic switch for an electrical heating device, said switch comprising a thermally responsive contact bearing element, a stationary contact and rotatable means for positioning said contacts relative to each other; said control having a casing enclosing the contacts and the rotatable means protruding through an opening therein, a knob removably mounted on the rotatable means exteriorly of said casing, said

knob having an annular translucent portion, a series of opaque control indicia imprinted thereon, a stationary signal light mounted in said casing in position to illuminate a small area of the annular portion of said knob and detent means mounted on said knob and said casing.

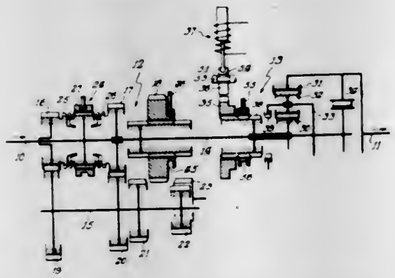
2,548,761

TRANSMISSION INTERLOCK MECHANISM

Kenneth M. Armantrout, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application March 26, 1947, Serial No. 737,278

6 Claims. (Cl. 74—781)



1. In transmission mechanism, the combination of a drive shaft, a driven shaft, gearing for providing a power train between said shafts and including an engaging device for completing the power train when engaged, said engaging device including a slotted element and a pawl adapted to enter the slotted element to engage therewith, and means for selectively locking said pawl from movement and including a longitudinally movable interlock rod having a land thereon, said pawl having a groove therein for receiving said land on longitudinal movement of said rod whereby the pawl is locked from movement.

2,548,762

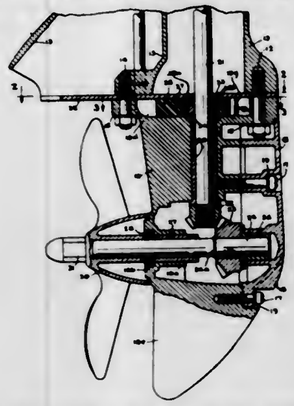
PUMP STRUCTURE FOR OUTBOARD MOTORS

Daniel A. Armstrong, Minneapolis, Minn., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a partnership composed of Horace B. Atwater and Clifford E. Scott

Application February 7, 1946, Serial No. 646,087

4 Claims. (Cl. 115—17)

1. A pump structure comprising a casting having an elongated chamber therein at its top, a vertically extending drive shaft extending through said chamber and journaled in said casting below said chamber, a disk eccentrically carried by said shaft, a substantially cylindrical impeller having a bore in which said disk is disposed, a casing in said chamber extending about said impeller having a substantially cylindrical wall of greater diameter than said impeller, said impeller having a projection extending at one side thereof, spaced members in said chamber directly engaging the sides of said projection so that said impeller can be oscillated therebetween, one of said members extending to the wall of said chamber, said casing having a portion extending to the opposite wall of said chamber and forming with said last mentioned member and wall an inlet portion of said chamber, said casting having openings therethrough into said portion, said casing and said one of said spaced members also forming a discharge portion of said chamber, said casing having openings communicating with said



portions respectively and an outlet passage leading from said discharge portion.

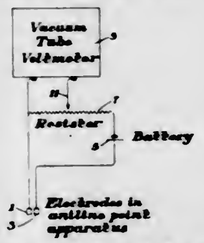
2,548,763

METHOD OF DETERMINING TEMPERATURE OF COMPLETE MISCIBILITY OF LIQUIDS

Robert J. Askevold, Skokie, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application June 11, 1945, Serial No. 598,703

9 Claims. (Cl. 73—53)



1. The method of determining the aniline point of a mineral oil product comprising mixing the product with aniline in accordance with A. S. T. M. procedure D611—44T, slowly cooling the solution from a temperature above the aniline point of the product and measuring the temperature at which the electrical conductivity of the solution suddenly changes.

2,548,764

CHLORINATION OF HYDROCARBONS

George W. Ayers, Chicago, Ill., and Erskine E. Harton, Jr., Alexandria, Va., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application September 24, 1945, Serial No. 618,423

10 Claims. (Cl. 260—659)

1. The method of chlorinating saturated hydrocarbons containing a tertiary carbon atom at approximately atmospheric temperature comprising contacting said hydrocarbons with a chlorinating agent in the presence of a compound selected from the group consisting of nitrosyl chloride and metal nitrates and nitrites, excepting uranium salts, capable of reacting with chlorine under reaction conditions to form nitrosyl chloride.

2,548,765

METHOD OF PRODUCING ELECTROFORMS

William Henry Banks, Hampton, Patrick Bernard Upton, Bromley, and John Richard Scott, Croydon, England, assignors to The Printing and Allied Trades Research Association, London, England, and The Research Association of British Rubber Manufacturers, Croydon, England, both companies of Great Britain

No Drawing. Application September 11, 1947, Serial No. 773,498. In Great Britain December 10, 1946

1 Claim. (Cl. 204—6)

The manufacture of electro-forms by deposition which consists in moulding under pressure a sheet of ebonite composed of natural rubber 73–83 parts and sulphur 19–25 parts and having a yield temperature between 40° C. and 45° C. against a mould at 70–75° C., cooling the sheet to 25° C. to 30° C., releasing the pressure, chemically depositing a metallic film on the matrix, electrodepositing metal thereon to form an electro-form, separating the electro-form from the matrix by heat treatment to restore the original condition of the matrix by reason of the latent elastic recovery of the matrix, remoulding the matrix, chemically depositing a metallic film thereon, electrodepositing metal to form a further electroform and separating the electroform from the matrix.

2,548,766

PAINT REMOVER

Nathaniel L. Baum, Los Angeles, Calif., and Jean Wynkoop, Brooklyn, N. Y., assignors to Turco Products, Inc., Los Angeles, Calif., a corporation of California

No Drawing. Original application April 20, 1945, Serial No. 589,456, now Patent No. 2,443,173, dated June 15, 1948. Divided and this application June 30, 1947, Serial No. 758,236

11 Claims. (Cl. 252—127)

1. A thixotropic water dispersible paint remover, comprising a thixotropic dispersion of a protein colloid in a paint remover solvent, and an organic amine, said dispersion of the protein being in a mixture of a liquid chlorinated hydrocarbon solvent and mutual solvent modifier taken from the group consisting of the aliphatic alcohols and aliphatic ether alcohols and water dispersed in said solvent, said liquid chlorinated hydrocarbon solvent being in preponderate proportion, and said water being in the range of about 1% to about 20% by weight of said thixotropic paint remover, and said dispersion being thixotropic so that on agitation said mixture is a fluid and when at rest is a gel having the property of adhering to painted surfaces without substantial running and dispersible in water so that it may be washed from a surface to which it is applied.

2,548,767

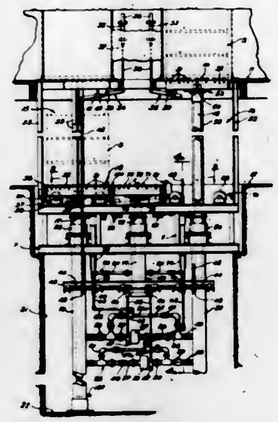
BOXED PRODUCE HANDLING EQUIPMENT

Harry C. Brest, Pomona, Calif., assignor to R. M. Walcott Co., Pomona, Calif., a copartnership

Application November 25, 1946, Serial No. 712,222

9 Claims. (Cl. 214—89)

1. Apparatus for receiving and conveying box stacks, comprising a pair of carriers, means associating the carriers for alternate vertical travel so that one carrier is positioned to receive a box stack at an upper station while the other carrier is at a lower station, a stack conveyor, means operable to shift the box stack transversely from the carrier at said lower station, a movable transfer means for taking the stack discharged from the carrier and depositing it onto said conveyor, and means operable by movement



of the carriers for positioning the transfer means to receive the discharged stack.

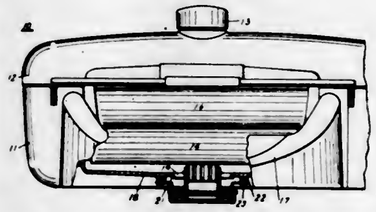
2,548,768

WRINGER

Allan L. Briggs, Jamestown, and Gunnard A. Oberg, Celoron, N. Y., assignors to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y., a corporation of New York

Application April 12, 1945, Serial No. 587,914

4 Claims. (Cl. 68—254)



1. In a wringer structure having a frame, a pair of cooperating rolls mounted in said frame, a pivotal drain board located beneath said rolls, a roller, means having a stationary slot for mounting said roller for rolling contact with one of said rolls and providing for limited bodily movement of said roller in a direction perpendicular to said roller's axis of rotation, and means carried by said drain board and actuated by bodily movement of said roller to tilt said board.

2,548,769

COMBINATION CRIB AND PLAY PEN

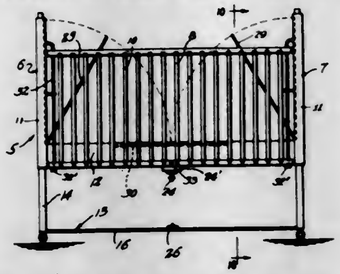
Miller S. Burgin, Portland, Maine, assignor of twenty-five per cent to Joseph G. Waldron, Portland, Maine

Application August 31, 1945, Serial No. 613,879

2 Claims. (Cl. 5—2)

1. A combination crib and play pen comprising a lower rectangular frame including corner posts and a horizontal bottom frame member lying in the longitudinal center of said frame, an enclosure with slatted walls and having a bottom bed frame therein, means slidably mounting said enclosure on said posts for raising to the top of the lower frame for use as a crib, said enclosure

being adapted for lowering to said frame member for use as a play pen, spring means supporting said enclosure in raised position, and devices on



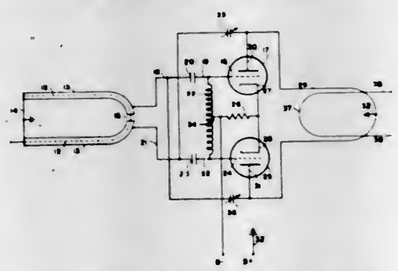
said bed frame and said frame member, respectively, coacting to automatically lock said enclosure to said frame member when lowered.

2,548,770

PROTECTIVE ARRANGEMENT FOR THE NEUTRALIZATION CIRCUITS OF VACUUM TUBES

John B. Caraway, Evansville, Ind., assignor to the United States of America as represented by the Secretary of War

Application May 30, 1945, Serial No. 596,721
3 Claims. (Cl. 179—171)



1. In a push-pull amplifier employing two triodes and two grid circuits each with a portion at direct current ground potential, means for cross neutralization including a neutralization capacitor connected between the plate of the first tube and a point in the portion of the grid circuit of the second tube at direct current ground potential and another neutralizing capacitor connected between the plate of the second tube and a point in the portion of the grid circuit of the first tube at direct current ground potential, capacitor means for isolating each of said grids from the portion of its respective circuit at direct current ground potential and for maintaining a negative bias thereon, and means for maintaining the plate circuits of both tubes at direct current ground potential.

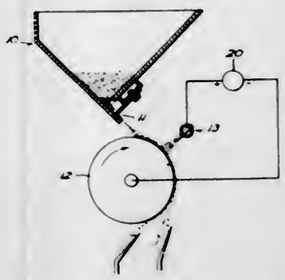
2,548,771

ELECTROSTATIC SEPARATOR

James Hall Carpenter, Arlington, Fla.

Application October 31, 1946, Serial No. 706,851
3 Claims. (Cl. 209—127)

1. An electrostatic separator comprising the combination of a rotatable electrode, and a cooperating spaced electrode, the latter including an elongated electrically conducting support member, electrically conducting arms extending outwardly from said support member toward said rotatable electrode, said arms being spaced apart from one another, and a conducting wire mounted upon said arms, said wire being spaced



in discharge-supporting relation to said support member, the diameter of said support member being at least about twenty times greater than the diameter of said wire.

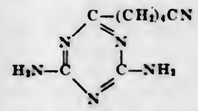
2,548,772

METHOD OF PREPARING CYANOBUTYL GUANAMINE

John Edwards Castle, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 10, 1948, Serial No. 32,279
2 Claims. (Cl. 260—249.9)

1. Process of preparing omega-cyanobutylguanamine



which comprises heating dicyandiamide with from ½ to 10 mols of adiponitrile, per mol of dicyandiamide, at a temperature within the range 150–250° C.

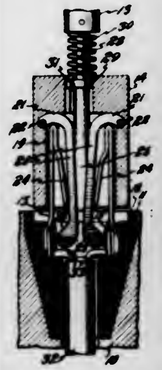
2,548,773

APPARATUS FOR ASSEMBLING ATTACHMENT PLUGS

Nathan Chirelstein, Maplewood, N. J., assignor to Allied Electric Products, Inc., Irvington, N. J., a corporation of New Jersey

Original application January 22, 1946, Serial No. 642,729, now Patent No. 2,473,570, dated June 21, 1949. Divided and this application March 12, 1949, Serial No. 81,107
2 Claims. (Cl. 29—206)

1. A machine for assembling attachment plugs comprising a machine bed having a nest for a plug cap, a spindle operable toward and away from said nest, a spreader wedge on the end of said spindle, a head slidably mounted on the end portion of said spindle over said wedge in position to be stopped by engagement of the end of the same with said nest, said head having blade holding cavities in the end of the same at opposite sides of said wedge, spreader levers pivoted at their inner ends at the inner ends of said blade holding cavities and disposed in engagement with opposite sides of said wedge, the outer ends of said levers projecting beyond the end of said head and terminating in laterally projecting cams, a stop on said spindle for limiting the outward movement of said head over said wedge and a spring on the spindle for thrusting said head outward on the spindle to the extent permitted by said stop whereby in the movement of the head toward the nest said projecting cam portions may enter the blade receiving pocket of a plug cap seated in said nest and whereby in the further movement of said spindle after said head has been stopped by engagement of the end



of the same with said nest, the wedge continuing with the motion of the plunger will spread the levers apart to force said projecting cam portions into operative engagement with the base portions of blades carried by the head into seated engagement in a plug cap supported in the nest.

2,548,774

SHRINKPROOFING WOOL

Mayne R. Coe, Jr., Riverdale Heights, Md.

No Drawing. Application July 6, 1949, Serial No. 103,320
4 Claims. (Cl. 8—128)

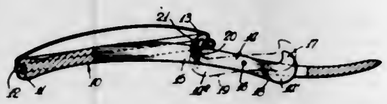
1. A process of shrink-proofing wool which comprises treating the wool for a short period of time in a closed chamber under superatmospheric pressure conditions and at a temperature above 100° C. with an alkali metal permanganate in aqueous solution, the strength of the permanganate employed being within the range of .001 to .1%.

2,548,775

DIAPHRAGM INTRODUCER

Leo Coel, New York, N. Y., assignor to Holland-Rantos Company, Inc., New York, N. Y., a corporation of New York

Application March 22, 1949, Serial No. 82,838
10 Claims. (Cl. 128—127)



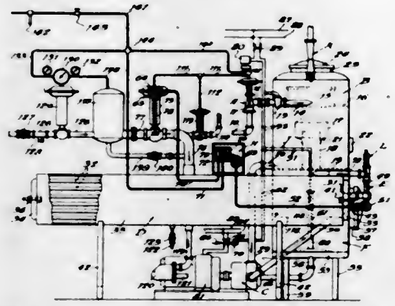
1. In a diaphragm introducer, the combination of a rod having a diaphragm engaging groove at its forward end and having a lever fulcrumed and accommodated in a longitudinal slot through the thickness of said rod, said lever having a forward upstanding diaphragm engaging hook end protruding above the rod, said lever having means near the rear end thereof engageable by the hand of the user to pivot the lever about its fulcrum and thereby withdraw the forward protruding hook end thereof into the slot of the rod.

2,548,776

PROCESSING OF AQUEOUS COMESTIBLE SOLUTIONS

Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., a corporation of Illinois

Original application May 11, 1945, Serial No. 593,141. Divided and this application May 21, 1947, Serial No. 749,543
14 Claims. (Cl. 99—155)



1. The process of continuously treating an aqueous comestible solution, which process includes flowing a stream of untreated solution into and through a preheating vacuumized chamber wherein it intimately contacts a counter current of heated vapors and gases passing therethrough, then rapidly further heating the preheated solution to a temperature in excess of its normal boiling point while under superatmospheric pressure whereby the solution absorbs latent heat, subsequently flash evaporating the solution thus highly heated into a second vacuumized chamber having the same vacuum and pressure as the preheating vacuumized chamber, collecting in said second chamber the heavier concentrate resulting from said flash evaporation as the product of the process, withdrawing said product, directing the vapors, gases and non-condensibles resulting from said flash evaporation into the preheating chamber to intimately contact the untreated solution entering said chamber, whereupon the particles of heated vapors intermingle with the cool particles of the encountered solution and become condensed by giving off their latent heat to the solution to heat the latter, thereby heating the initial stream of untreated solution in its passage through the preheating chamber, and ejecting non-condensible gases from the preheating chamber without destroying the vacuum therein.

2,548,777

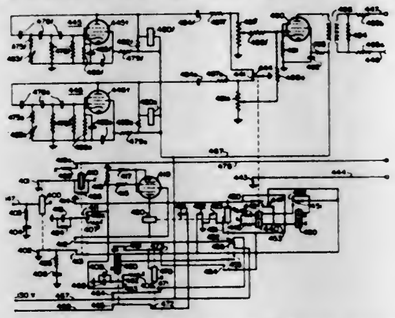
SIGNALING APPARATUS FOR RADIO TELEPHONE SYSTEMS

Robert P. Dimmer, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 28, 1949, Serial No. 95,903
8 Claims. (Cl. 250—6)

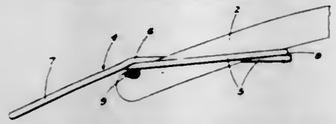
5. In a radio telephone system, a transmitter control circuit comprising a trunk relay energizable by a manual control, a first control circuit relay energizable by contacts of said trunk relay, a second control circuit relay energizable by contacts of said first control relay, said second control circuit relay being of a slow-release type, a third control circuit relay energizable by contacts on said second control circuit relay, a transmitter, a circuit for the operation of said transmitter which is completed by the closing of a contact of said third control circuit relay, a fourth

control circuit relay energizable by the completion of the circuit of said transmitter, means for sending a series of electrical impulses in rapid succession through said trunk relay and said first control circuit relay, an oscillator circuit including two oscillators set at different frequencies, relays means in said oscillator circuit for alter-



nately switching the said two oscillators into and out of the said oscillator circuit responsive to the pulsing of said first control circuit relay, additional relay means for including and excluding said oscillator circuit in and from the circuit of said transmitter, and a plurality of receivers connected to the conversation circuit of said transmitter.

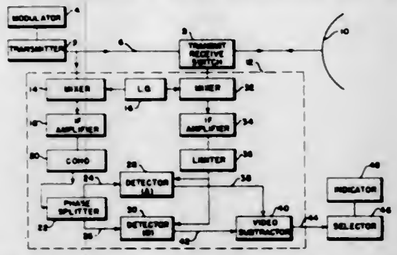
2,548,778
ADJUSTER FOR CLOTHES HANGERS
Karle S. Douglas, Galt, Calif.
Application August 18, 1947, Serial No. 769,270
1 Claim. (Cl. 223—92)



A coat-shoulder engaging attachment for a coat hanger having a top bar of rectangular cross section, said attachment comprising a one-piece stiff wire member bent to form a substantially rectangular loop of a width to straddle the hanger bar and greatly elongated with respect to the height of the bar whereby said loop when placed on the bar may extend diagonally of said bar and be engaged at its ends with the top and bottom faces of the bar at longitudinally spaced points thereon in supported non-tipping relation, and a relatively wide oval loop to engage a coat-shoulder extending lengthwise of the attachment from the top engaging end of the first loop; the loops lengthwise of the attachment being disposed at an angle to each other such that said last named loop, when the first loop is supported on the bar, extends in substantially parallel alinement with the top of the hanger bar.

2,548,779
MOVING TARGET INDICATION RADAR SYSTEM
Alfred G. Emslie, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,396
6 Claims. (Cl. 343—9)

4. In a radio object locating system which transmits exploratory pulses of radiant energy and receives corresponding echo pulses, a receiver for said echo pulses, said receiver including means for limiting to a predetermined amplitude echo pulses that have an amplitude greater than said predetermined amplitude, whereby the carrier frequency of said limited signals is phase modulated only, a first means for converting said phase modulated, limited amplitude pulses into output pulses having a first amplitude modulation, a second means for converting said phase



modulated, limited amplitude pulses into output pulses having a second amplitude modulation different from the first amplitude modulation, and means for combining the output pulses having first and second amplitude modulations to produce resultant output pulses having a rate of change of amplitude with respect to the phase between the exploratory pulses and the respective echo pulses which is always appreciably greater than zero.

2,548,780
PROCESS OF PRODUCING PELLETED CALCIUM OXIDE DESICCANT
Wright W. Gary and Roger A. Lovett, Los Angeles, Calif., assignors to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application September 19, 1946, Serial No. 697,958
3 Claims. (23—186)

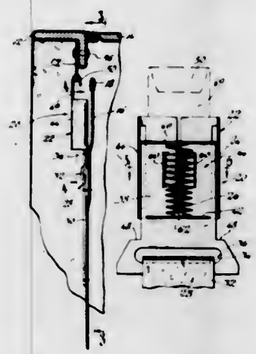


1. The process of producing a pelleted calcium oxide desiccant which consists in the steps in sequence of mixing hydrated lime with sufficient water to form an extrudable mix, extruding said mix into strands and cutting the strands to form pellets, drying the pellets, and heating the dried pellets at a temperature between 1300 and 1800° F. to change said hydrated lime to the oxide which, by reason of the pressure of said extrusion step and the heating step, have a volumetric expansion below 100% on pick-up of 30% by weight of water vapor.

2,548,781
RESILIENT CLASP
William L. Goodman, Jr., Highland Park, Ill., assignor to Platt Luggage, Inc., Chicago, Ill., a corporation of Illinois
Application January 31, 1947, Serial No. 725,539
4 Claims. (Cl. 292—129)

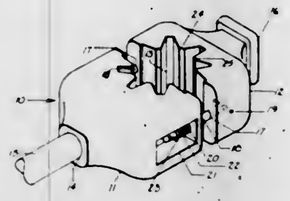
2. A clasp including an outer casing member having fastening means projecting from one end, a flange at the other end of said member extending from one side wall toward the other side wall a distance such as to leave a narrow slot

adjacent the other wall, attaching means slidably and telescopingly mounted within said casing and having a portion projecting outside said casing through said slot, said attaching means



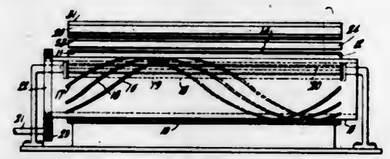
having a flange at its housed end confronting the flange on said casing and abutting the interior of the casing, and spring means confined between said flanges for urging said casing member and attaching means into telescoped position.

2,548,782
BATTERY TERMINAL CLAMP
Austin G. Goodnight, Laton, Calif.
Application June 8, 1946, Serial No. 675,448
1 Claim. (Cl. 173—259)



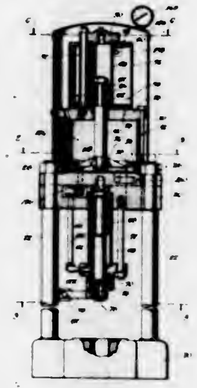
A battery terminal connector comprising a pair of cooperative elements having adjacent inner ends, oppositely disposed outer ends, and opposite side edges, the adjacent inner ends defining an opening adpated to receive a battery post, one of said elements being formed with a bore inwardly from an outer end thereof adapted to receive a battery cable; a pair of parallel guides rigidly mounted in one of the elements and endwardly extended from the inner end of said element on opposite sides of the post receiving opening, the opposite element having bores formed inwardly from the inner end thereof on opposite sides of the post receiving opening slidably receiving the guides and being formed with an enlarged access opening along each bore open to a respectively adjacent side edge of said element, the access openings having inner ends defined by portions of the element circumscribing the bores adjacent to the inner end of said element, a helical spring mounted on each of the guides within the guide's respective access opening, and spring retainers mounted on the extended ends of the guides within the access openings maintaining the springs under compression between said retainers and the inner ends of the access openings.

2,548,783
COLOR FACSIMILE SCANNING DEVICE
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1949, Serial No. 124,000
2 Claims. (Cl. 178—5.2)



1. Color facsimile scanning apparatus comprising a fixed cylinder having a longitudinal slit, a cylinder rotatable within said fixed cylinder and having a plurality of helical slits, differently colored light filters each covering a different one of said helical slits, a source of light mounted within said rotatable cylinder, means for concentrating light from said source at said longitudinal slit, and means including a plurality of photo-sensitive elements positioned with respect to said slit so that each responds to light transmitted through said longitudinal slit and a different one of said helical slits.

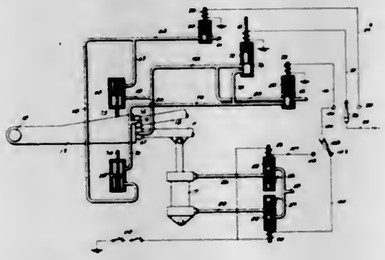
2,548,784
PNEUMATICALLY OPERATED HYDRAULIC PRESS
Waldemar S. Hansen, Cary, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 22, 1946, Serial No. 656,498
3 Claims. (Cl. 60—54.5)



1. In a hydraulic press, the combination of a reciprocable hydraulic motor comprising, a motor cylinder, a motor piston, and a piston rod secured to the piston and extending from the cylinder to apply pressure to workpieces, a hydraulic power cylinder having a piston reciprocable therein, an air cylinder, a piston reciprocable in the air cylinder and rigidly connected to the power piston, manually operable valve means for admitting compressed air under pressure to one end of the air cylinder, an oil reservoir, means for maintaining the oil in the reservoir under relatively constant pressure, a conduit connecting the oil reservoir with the lower end of the

motor cylinder, a stroke control valve, a conduit connecting the stroke control valve in series between the head end of the power cylinder and the head end of the motor cylinder, means operated by the plunger upon traversing a predetermined stroke to close the control valve, a conduit connecting the head end of the power cylinder with the rod end of the motor cylinder, and a manually operable flow cutoff valve in said last named conduit.

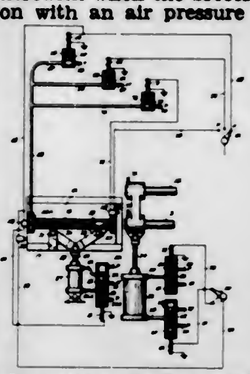
2,548,785
BAR FEED MECHANISM FOR MACHINE TOOLS
Bernard C. Harney, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application May 17, 1947, Serial No. 748,764
8 Claims. (Cl. 29—59)



4. A bar feed mechanism for machine tools which have a rotating hollow spindle, the feed mechanism including a carrier, a pair of feed tubes, pistons movable in the tubes, the tubes being secured at like ends to the carrier and having their other ends spaced from the outer end of the hollow spindle and also spaced apart laterally from each other, the carrier being mounted to shift to arrange either tube in alinement with the spindle, and the other out of alinement therewith, means for shifting the carrier to shift the tube in alinement with the spindle out of alinement therewith, and the tube which is out of alinement with the spindle into alinement therewith, including a reversible motor, a control system for controlling the flow of air under pressure to the tube alined with the spindle and the release of air from the other tube, and connecting of the tubes in a retracting vacuum system including a master control member movable selectively into pressure controlling position, into pressure release position, and into vacuum controlling position, power reversing means for controlling the flow of power alternately in opposite directions to the carrier shifting motor, and a reverse control member connected to operate in conjunction with the master control member only when the master control member is in vacuum controlling position.

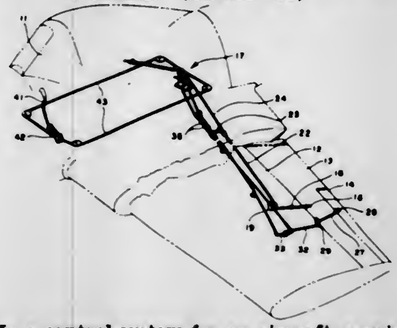
2,548,786
BREECH-LOADING BAR FEED MECHANISM
Bernard C. Harney, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application July 5, 1947, Serial No. 759,173
1 Claim. (Cl. 29—59)

In a breech loading stock bar feed mechanism, a pair of parallel feed tubes, a carrier therefor, a breech block common to both tubes, the tube carrier being mounted to shift laterally to carry either tube out of alinement with the breech block and the other tube into alinement therewith, a carrier for the breech block mounted to shift in a direction lengthwise of the tubes to open and close the breech end of the tube alined therewith, and a feed piston initially located in the breech block and movable into the tube alined therewith when the breech is closed, in combination with an air pressure system to



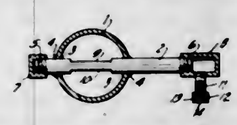
supply air under pressure to the breech block to actuate the feed piston and feed the stock through the alined tube, a vacuum system for creating suction in the breech block to withdraw the piston into the breech block from the alined tube, mechanism for shifting the breech block carrier, and a control for said systems and said mechanism.

2,548,787
AIRCRAFT CONTROL SYSTEM
Harold E. Heberding, Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 15, 1946, Serial No. 710,006
5 Claims. (Cl. 244—82)



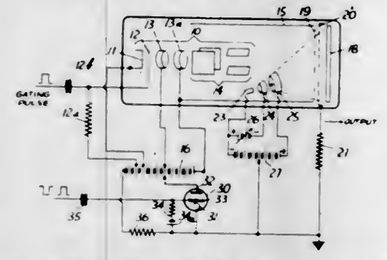
1. In a control system for an aircraft, a pair of hinged ailerons each having a tab hinged to the trailing edge thereof, a lever hinged to each aileron for operating the tab, an operating linkage for the tabs connected to the levers at points substantially aligned with the aileron hinge axes when the tabs are in neutral position, a pilot operable member and an aileron control lever hinged on a common axis to the aircraft, spring means connecting said member and aileron control lever for spring resisted relative movement about said common axis, an operating linkage for the ailerons connected to said aileron control lever, and a tab control lever hinged to said member and pivotally connected to said tab operating linkage on an axis that is substantially coincident with said common axis when said tabs are in neutral position.

2,548,788
PASTEURIZING DEVICE
Thomas Helme, Albany, N. Y.
Application March 22, 1946, Serial No. 656,294
2 Claims. (Cl. 299—106)



1. A pasteurizing device adapted for pasteurizing liquids in sealed containers and comprising a main pipe, a straight lateral pipe, and a downwardly projecting spray nozzle secured to the end of said lateral pipe; said lateral pipe extending transversely entirely through said main pipe, but terminating adjacent and being secured to said main pipe by welded joints, and being provided with vertically opposed openings of substantial size within said main pipe to provide for the flow of fluid from said main pipe into said lateral, and to provide for the free fall therethrough by gravity of foreign solid matter in said main pipe, which otherwise might be drawn into said lateral pipe and clog said nozzle.

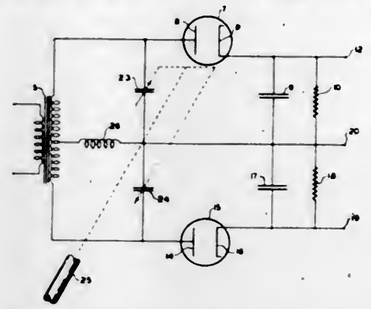
2,548,789
ELECTRONIC STORAGE DEVICE
Rudolf C. Hergenrother, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 8, 1948, Serial No. 64,222
13 Claims. (Cl. 313—68)



1. An information storage device comprising a storage member, an electron beam producing means for charging areas of said storage member, beam deflection means for positioning said electron beam on an area of said storage member, and means for reading the said information stored on said area, said reading means being directed to said area by said deflection means.

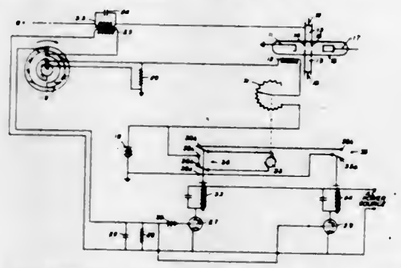
2,548,790
SHAFT ROTATION INDICATING CIRCUIT
William A. Higinbotham, Santa Fe, N. Mex., and Fred F. Slack, Medford, Mass., assignors to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,036
2 Claims. (Cl. 177—351)

1. An electrical circuit comprising transformer input means, two variable capacitors, means for connecting said capacitors serially across the secondary winding of said input transformer, means for imparting to the rotors of said variable capacitors motion substantially proportional to the movement of a rotatable shaft external to the circuit whereby for movement of said shaft in a given direction the capacity of one of said capacitors increases and the capacity of the other of said capacitors decreases, a first two-electrode electron discharge device, a first capacitor and a first resistor connected in parallel, means for connecting said first electron discharge device in series with said first parallel resistor-capacitor combination and connecting said series combination across one of said variable capacitors, a second two-electrode electron discharge device and a second parallel resistor-capacitor combination similar to said first parallel resistor-capacitor combination, means for connecting said second



electron discharge device and said second parallel resistor-capacitor combination in series across the second of said variable capacitors, first output means connected to the cathode electrode of said first electron discharge device, second output means connected to the cathode electrode of said second electron discharging device, third output means connected to the junction point of said variable-capacitors, and means for passing direct currents from said junction point to the midpoint of the secondary winding of said input transformer.

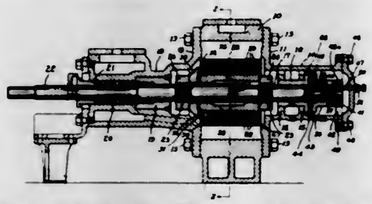
2,548,791
AUTOMATIC FOCUSING CIRCUIT
Ralph H. Hoglund, George E. Hulstede, and Anthony J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,416
11 Claims. (Cl. 315—31)



11. An electron tube circuit comprising an electron beam tube having a cathode, a focusing coil positioned adjacent said tube for focusing said electron beam, means for producing a current through said coil, means for continuously modulating the current through said coil, means including an electrode in said tube for deriving a control signal corresponding to the modulation of the focusing coil current but having one given characteristic when said electron beam is underfocused and a second given characteristic when said electron beam is overfocused, and means coupled to said last named means for varying the

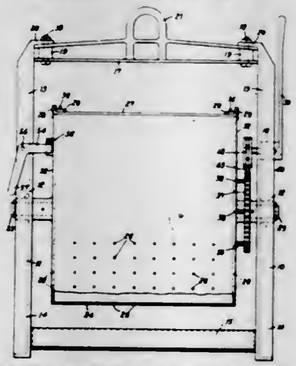
magnitude of the current through said focusing coil in accordance with the said given characteristics of the control signal.

2,548,792
INTERNAL THRUST BEARING ASSEMBLY FOR OIL MILLS LUBRICATED BY THE MATERIAL PROCESSED
Robert C. Hopkins, Alliance, Ohio
Application April 4, 1945, Serial No. 586,567
4 Claims. (Cl. 241—46)



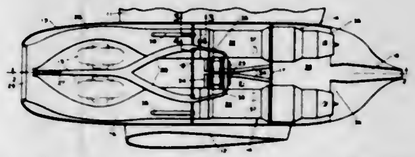
1. In a rotary oil mill comprising a housing having a cylindrical extension at one end, a rotary shaft journalled within the housing and having one end located through the other end of the housing and its other end terminating within the cylindrical extension, rotary milling means fixed upon the shaft within the housing, means for passing oil to be milled through the housing, a bearing within the cylindrical extension for said last named end portion of the shaft, a thrust plate carried by the shaft for contacting the adjacent end portion of the bearing, means for admitting oil from the housing to the cylindrical extension of the housing surrounding said last named end portion of the shaft, there being a longitudinal bore through said last named end of the shaft and a radial passage through the shaft communicating with said longitudinal bore and longitudinally alined on the shaft with the meeting plane of the end of the bearing and the thrust plate, whereby said oil will enter said longitudinal bore and be discharged centrifugally from said radial passage so that the action of the rotary thrust plate will carry the oil outward between the bearing and the thrust plate to lubricate the same with oil being milled in the housing.

2,548,793
PORTABLE PICKLING MACHINE
Robert C. Hopkins, Alliance, Ohio
Application May 6, 1949, Serial No. 91,820
4 Claims. (Cl. 51—164)



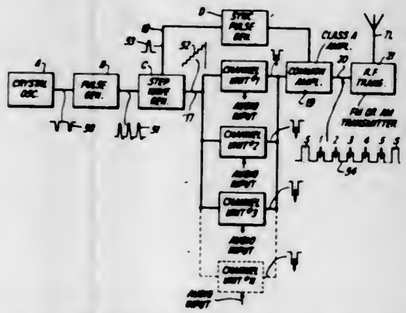
1. A portable pickling machine comprising a combined supporting frame and bail, a rectangular bucket journalled in the frame in such position that when the frame rests upon a horizontal surface the bucket may be freely rotated in the frame above said horizontal surface, a ratchet wheel fixed to the bucket, a lever fulcrumed upon the frame, and a pawl upon the lever engaging the ratchet wheel for rotating the bucket.

2,548,794
AIRCRAFT ENGINE COOLING SYSTEM
Harry E. Hotz and Robert B. Gelbard, Columbus, Ohio, assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 8, 1948, Serial No. 19,678
9 Claims. (Cl. 60—35.6)



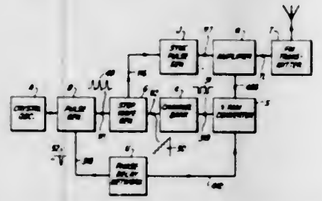
4. An aircraft having an engine compartment; a gas turbine engine disposed in said compartment; a first passage for delivering ram air to the engine; a second passage for delivering ram air to one end of said compartment for cooling the latter, an air operated check valve arranged to prevent airflow through the second passage from the engine compartment; a conduit providing for passage of air from said one end of the engine compartment into said first passage, an air operated check valve arranged to prevent airflow through said conduit from said first passage; and a port in the wall of said compartment at the opposite end thereof, said port serving as an inlet or as an outlet for air depending upon which of said check valves is opened by air flow.

2,548,795
PULSE MULTIPLEX SYSTEM
William D. Houghton, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 22, 1947, Serial No. 743,119
15 Claims. (Cl. 179—15)



7. In a multiplex time division system a pulse generator, a step voltage wave generator coupled to said pulse generator and producing recurring step waves each having a plurality of steps or risers of different voltage values relative to a base line, a plurality of channel circuits having their inputs coupled in parallel to said step wave generator, each channel circuits having a selector tube, the selector tubes in the different channel circuits being differently biased to become operative on different risers of the applied step wave, an electron discharge device electrode structure coupled to the output of each selector tube through a rectifier for producing a pulse and for modulating the amplitude of said pulse in accordance with a modulating signal at the time the selector tube in that channel becomes operative, means controlled by the step wave generator for producing a synchronizing pulse at a time different from the times of occurrence of the channel pulses and having an amplitude at least equal to the maximum amplitude of the channel pulses under extremes of modulation, but of longer duration, and a common amplifier circuit coupled to the output of said last means and to the outputs of all of said channel circuits for combining the amplitude modulated channel pulses and the synchronizing pulse.

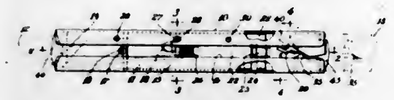
2,548,796
DOUBLE POLARITY PULSE GENERATOR SYSTEM
William D. Houghton, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 2, 1947, Serial No. 751,698
28 Claims. (Cl. 179—15)



13. In a multiplex system employing an interlaced step voltage wave distributor arrangement wherein there are produced a plurality of phase displaced step voltage waves, and wherein a plurality of differently biased channel circuits are made operative on different risers of each step voltage wave, each channel circuit having means therein for producing a pulse of one polarity and for modulating the amplitude thereof, a converter circuit coupled to the outputs of all channel circuits and having means for changing the single polarity amplitude-modulated channel pulses to amplitude modulated pulses whose amplitude and polarity depend upon the degree and phase of modulation on the channel pulses, and means for producing suitable phased gating pulses synchronized with and of shorter duration than said step voltage waves and coupled to said converter circuit for selectively causing output pulses from said converter circuit to occur sequentially in non-overlapping time relation regardless of possible overlap of the channel pulses applied to said converter.

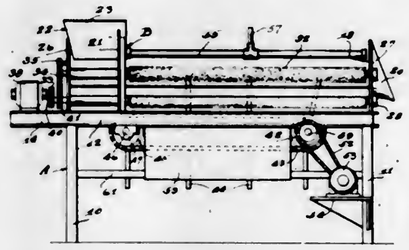
2,548,797
SEAM RIPPING KNIFE
Max Ingwer, New York, and Werner W. Schwartz, Jackson Heights, N. Y., assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application November 20, 1946, Serial No. 711,162
1 Claim. (Cl. 30—162)

A tool of the character disclosed comprising a handle in the form of a channel open at opposite ends and having inturned flanges along opposite edges of the same with a slot between the opposing edges of said flanges, a plate longitudinally slidable in said handle beneath said flanges, a ripper blade fixed on said plate and extensible in the movement of said plate through one open end of the channel, a bowed spring engaged in the handle beneath said flanges, said spring bearing at opposite ends on said slidable plate and with its central bowed portion bearing



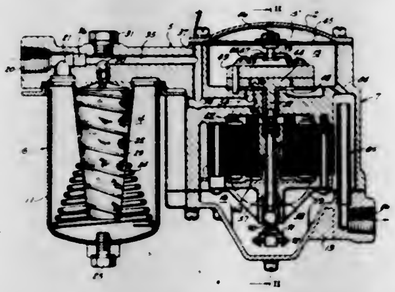
against said inturned flanges, said bowed spring being connected at one end with said plate for effecting longitudinal shifting of the plate and having an intermediate button-forming extension projecting up through the slot between the flanges, and said spring and one of the flanges having companion stop elements engageable to releasably retain said bowed spring and the slide operated thereby in predetermined selected positions in the handle.

2,548,798
CABBAGE WASHING AND STRIPPING MACHINE
Ross C. Irons, deceased, late of Bellevue, Ohio, by Roy Irons, administrator, Clyde, Ohio, assignor, by mesne assignments, to The Fremont Kraut Company, Fremont, Ohio, a corporation of Ohio
Application February 5, 1947, Serial No. 726,571
2 Claims. (Cl. 146—50)



1. A stripping and washing machine for headed varieties of leafy vegetables comprising a plurality of laterally spaced cylindrical brushes arranged horizontally in the form of a longitudinal trough-like bed, power means for rotating alternate pairs of brushes in opposite direction at variable speeds, a feed hopper at one end of said bed, delivery means at the other end of said bed, arm means projecting upwardly between said laterally spaced brushes into the area above said bed, means for imparting longitudinal movement to said arm means for causing said arm means to enter said area above said bed through said hopper and leave in the vicinity of said delivery means, said arm means displacing vegetables from said hopper and forcing them along said bed of brushes to said delivery means, the outer leaves of said vegetable being stripped from the head during the passage, and overhead spray means for washing said brushes and vegetables during their movement.

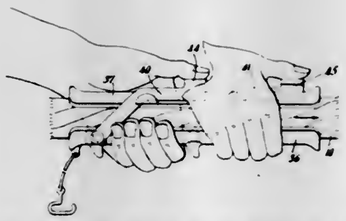
2,548,799
PUMP
Roy W. Johnson and Lourdes V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application January 7, 1948, Serial No. 988
7 Claims. (Cl. 103—25)



1. A power driven pump unit comprising a continuously energized motor, a pump of the positive displacement type driven by the motor, the motor having a rotor provided with braking means operable upon axial movement of the rotor, and pressure operated means for axially moving the motor rotor to gradually stall the same.

2,548,800
SKI TOW DEVICE
William David Judson, Otis, Mass.
Application June 26, 1947, Serial No. 757,205
15 Claims. (Cl. 104—216)





1. In a rope tow device, a plurality of friction members arranged to engage and disengage a towing rope, a lever connected to said members and operated entirely by hand to force said members to engage said rope with a pressure depending entirely upon the manual pressure applied to said lever, and means attached to at least one of said members adjacent the rear portion thereof and near its point of engagement with the rope for pulling a person in the direction said rope is moving.

2,548,801
METHOD OF FORMING HIGHLY ACTIVE CATALYTIC SURFACES
James E. Latta, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application August 9, 1949, Serial No. 109,423
5 Claims. (Cl. 260—449.6)

2. A method for producing and maintaining a relatively thin highly active film of catalyst on the interior surfaces of a synthesis reactor with which hydrocarbon synthesis gas comes in contact, which comprises forming on said surfaces a thin film of finely divided active catalyst and a hydrocarbon binder selected from the group consisting of a heavy hydrocarbon synthesis oil fraction and melted hydrocarbon synthesis wax, and thereafter converting the synthesis gas into useful products by bringing said gas into contact with said film in a phase free from suspended hydrocarbon synthesis catalyst under synthesis conditions while continuously generating catalyst binder within said reactor and depositing said binder on said surfaces whereby said catalyst is retained in the form of a thin film on the interior surface of the reactor during synthesis.

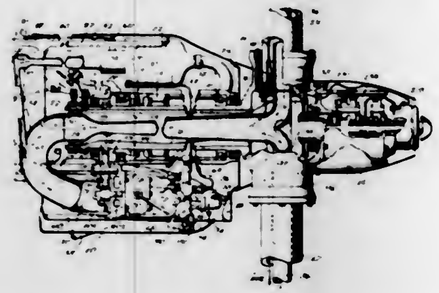
2,548,802
METHOD OF INCREASING THE PARTICLE SIZE OF SYNTHETIC RUBBER LATICES
Chester E. Linscott, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 14, 1947, Serial No. 786,145
12 Claims. (Cl. 260—85.1)

1. The method of increasing the size of the dispersed polymer particles in a synthetic rubber latex comprising an aqueous emulsion polymerizate of polymerizable material selected from the group consisting of dienes of the group consisting of butadiene-1,3, isoprene, chloroprene, piperylene and 2,3-dimethyl-butadiene-1,3, and mixtures of such dienes with compounds which contain a $CH_2{=}C<$ group and are capable of forming copolymers with such dienes, said latex containing 3 to 8 parts by weight of alkali soap per 100 parts of latex solids and having a pH of at least 9, which comprises reducing the pH of the latex to within the range of 4.5 to 7.5 by reacting formaldehyde and an ammonium salt in the latex in the presence of 0.5 to 5% based on the weight of the latex of hydroxy compound consisting solely of the elements C, H and O and selected from the group consisting of propyl alcohols, amyl alcohols, butyl alcohols, hexyl alcohols, octyl alcohols, cyclohexanol, allyl alcohol, methallyl alcohol, diacetone alcohol, terpeneol, orthocresol, para-cresol and meta-cresol, and thereafter increasing the pH of the latex to at least 9.

2,548,803
CATALYTIC PROCESS
Ernest L. Little, Jr., Wilmington, Del., assignor to E. I du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application, June 27, 1950, Serial No. 170,699
8 Claims. (Cl. 260—666)

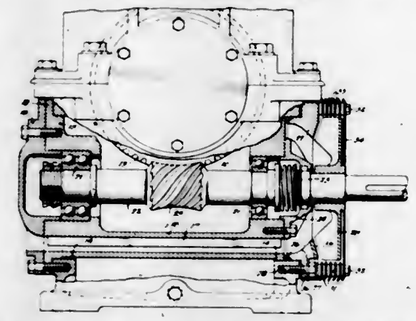
1. A process for the preferential alkylation of cyclic unsaturated hydrocarbons which comprises bringing into contact in a reaction zone and reacting, at a temperature of 0° to 130° C. under superatmospheric pressure of 100 to 3000 atmospheres in the presence of an organo-alkali metal catalytic compound, a monoolefinic hydrocarbon with a cyclic unsaturated hydrocarbon wherein the unsaturation is present solely in the ring and which contains at least one hydrogen atom directly attached to a saturated carbon atom which is singly bonded to a ring carbon atom which is in turn doubly bonded to one of its adjacent ring carbon atoms.

2,548,804
JET PROPULSION APPARATUS
Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 23, 1945, Serial No. 584,362
8 Claims. (Cl. 170—135.4)



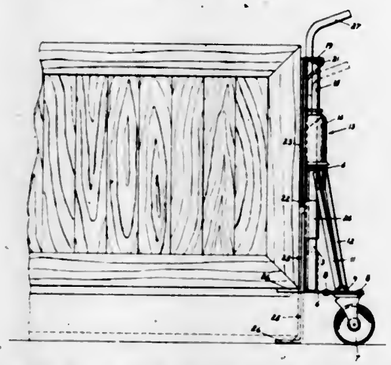
5. Jet propelled aircraft, including in combination, a propeller having blades and jet producing means at the blade tips, a mixing tube having an air intake and a discharge end, conduit means connecting said air intake to a point at the leading edge of the aircraft, conduit means connecting said discharge end of said tube to the jet producing means, means for supplying and injecting high pressure and high temperature vaporized fuel to said tube thereby to entrain and aspirate air with the fuel to produce a combustible mixture, said last mentioned means including a fuel vaporizer, means including a pump and conduit passing through the vaporizer for supplying said fuel, a second mixing tube having an air intake and discharge end, means connecting the discharge end connected to said vaporizer, conduit means connecting the air intake of the last mentioned tube to first mentioned conduit means, means including said fuel supplying conduit for supplying fuel and injecting the fuel into said last mentioned tube near said air intake to produce a combustible mixture for said vaporizer, and means for supplying fuel from another source and injecting it into said second mentioned tube.

2,548,805
CASING STRUCTURE FOR REDUCTION DRIVE UNITS
Robert B. Moir and Ole I. Stangeland, Chicago, Ill., assignors to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application August 16, 1946, Serial No. 691,127
12 Claims. (Cl. 74—606)



1. A reduction drive unit comprising a hollow housing forming with aligned openings therein, an elongated support extending through the housing and fitting in said openings, a worm shaft extending through the support, bearings in the support rotatably mounting the worm shaft therein, the support having a plurality of tubular passages therethrough in partial annular array around the worm shaft, and opening to the exterior of the casing at their ends, and a gear rotatably mounted in the housing meshing with the worm shaft.

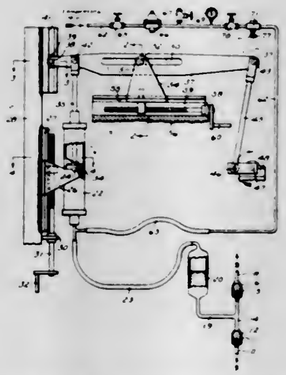
2,548,806
LOAD LIFTING AND TRANSPORTING APPARATUS
Arthur Henry Montour, Minneapolis, Minn., assignor, by mesne assignments, to Skarnes Engineering & Supply, Inc., Minneapolis, Minn., a corporation of Minnesota
Application May 3, 1947, Serial No. 745,711
2 Claims. (Cl. 214—65)



1. In an apparatus of the class described, a main frame comprising laterally spaced side members, a cross member secured to the upper ends of said side members, rearwardly extending base plates secured to the lower ends of said side members, a cross member secured to the upper faces of said base plates rearwardly of the intermediate portions thereof for retaining said plates in fixed spaced relation, brace members having

their lower ends secured to said lower cross member and their upper ends to the upper cross member, swivel casters secured to the rear end portions of said base plates, a secondary frame having spaced side members slidingly engaged with the spaced side members of the main frame, a horizontally disposed angle iron tying together the upper ends of the side members of the secondary frame, load engaging elements secured to and depending from the secondary frame and normally positioned adjacent to the floor whereby they may cooperate with the casters to support the apparatus in an upright position when not in use, a suitable lifting jack interposed between the upper cross members of said main and secondary frames for vertically translating the secondary frames on the main frame to lift a load, and suitable carrying handles on the secondary frame to facilitate maneuvering the apparatus into and out of engagement with a load.

2,548,807
PNEUMATIC TYPE PULSATOR
Myles Morgan, Worcester, and Nicholas T. Werthessen, Sherborn, Mass., assignors to Worcester Foundation for Experimental Biology, Shrewsbury, Mass., a corporation of Massachusetts
Application June 21, 1947, Serial No. 756,260
5 Claims. (Cl. 60—52.5)



3. An apparatus for supplying a pulsating gas pressure to the surface of liquid within a surge chamber connected to a conduit intermediate two check valves, the said apparatus comprising a cylinder containing gas, a piston reciprocable in the cylinder, means to reciprocate the piston and thus alternately compress and expand the gas, means to adjust the length of stroke of the piston, and independently operable means to adjust the position of the cylinder relative to the path of the piston.

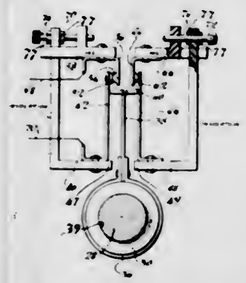
2,548,808
CONTINUOUS-STRIP ANODE FOR MAGNETRONS
Nathan P. Nichols, Danvers, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 6, 1945, Serial No. 627,038
4 Claims. (Cl. 250—27.5)

3. An electrode for a magnetron discharge device comprising, a cylindrical retaining ring and a multi-cavity resonator arranged symmetrically around the inner surface of the ring, said multi-cavity resonator comprising a continuous strip of ribbon metal bent to form a plurality of integral U-shaped cavities said strip



being bent into a circular form with the open ends of the U's projecting inwardly toward a common axis and set as a unit within said retaining ring.

2,548,809
WHEEL BALANCER PICKUP UNIT
Horace M. Norman, Skokie, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 22, 1948, Serial No. 50,623
5 Claims. (Cl. 200—52)



2. In an apparatus for detecting unbalance in rotating bodies, a sleeve, a shaft extending through the sleeve and having a close fit therein, a pick-up arm extending radially from the shaft, a magnet and supporting arm therefor, a universal joint connecting the supporting arm to the pick-up arm whereby vibratory movement of the magnet will cause oscillation of the shaft, a viscous fluid between the shaft and the sleeve, an actuator arm mechanically connected to the sleeve, a pair of spring arms each supported at one end and having their free ends positioned in engagement with the actuator arm, a contact at the free end of one spring arm, an adjustable contact adjacent the spring arm contact, and an adjustable stop adjacent the free end of the second spring arm, whereby the first mentioned spring arm will be moved by the said actuator arm to open the contacts upon oscillation of the magnetic pick-up arm.

2,548,810
PRESSED METAL CLOTHES HANGER
Leon F. Ozick, Philadelphia, Pa.
Application July 19, 1948, Serial No. 39,492
1 Claim. (Cl. 223—89)

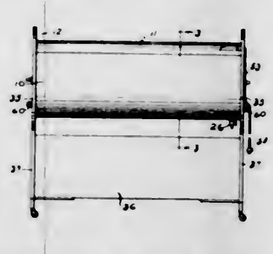
A pressed metal clothes hanger, comprising two pressed metal supporting parts having flattened stretches at their upper ends in telescopic engagement, said parts being deflected downwardly from their lateral stretches with the side marginal portions and the bottom portions deflected inwardly, the bottom portions being split to form tabs, a pants supporting rod having telescopic sections with the outer ends of the sections

within the bottom portions of the supporting parts and with the tabs pressed over said outer



ends, and a supporting hook connected with said supporting parts.

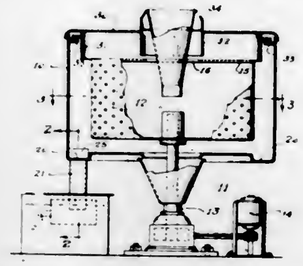
2,548,811
CRADLE
Frank W. Parker, Huntington, W. Va.
Application Feb. 14, 1947, Serial No. 728,486
3 Claims. (Cl. 5—97)



1. In a convertible cradle and bath tub with dressing table top, a water-tight body portion defining an upwardly-opening body-receiving compartment; a support portion, including two spaced apart uprights; resilient means detachably secured to one of said portions and secured to the other portion; support means, comprising a sheet of rigid material when positioned within said body portion, providing a mattress-supporting false bottom for the body portion and, when positioned exteriorly of said body portion, providing a dressing top table; and means pivotally supporting said sheet in both of said positions, including pairs of links pivotally carried at one of their ends by said sheet and pivotally carried at their other ends by said body portion, the pivotal connections, of one link of each pair of links, with said body portion being a detachable connection.

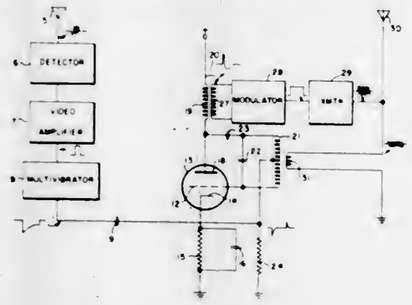
2,548,812
CENTRIFUGAL EGG SEPARATOR
William J. Patterson, La Grange, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1948, Serial No. 7,850
7 Claims. (Cl. 146—2)

1. A centrifugal separator for eggs comprising a substantially closed casing; a rotating perforated basket mounted within the casing; means to drive the basket so rapidly as to break the shells of eggs dropped into the basket, and effect rapid centrifugal separation of meats from shells; said casing having a smooth inside wall structure; a depressed flow channel extending annularly about the base of said casing and forming an integral part thereof; and an outlet connected to the flow channel of said casing, said outlet



being of a size to quickly empty the separated meats from the casing.

2,548,813
RADIO TRANSMITTING-RECEIVING APPARATUS
George D. Perkins, Allston, and Charles E. Stone, Jr., Littleton, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,399
7 Claims. (Cl. 250—17)

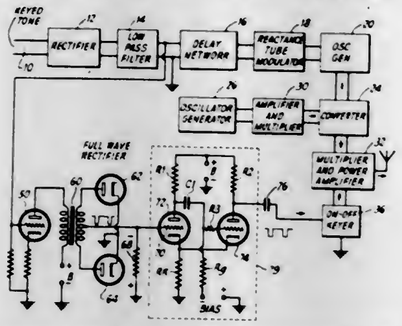


1. In a transmitting-receiving apparatus wherein said apparatus responds to signals generated externally to said apparatus and wherein said signals are spaced apart as to the time of initiation thereof, means for receiving said signals, a normally inoperative oscillator, means for impressing one of said received signals onto said oscillator to bring said oscillator in a state bordering on oscillation and means to initiate oscillation in said oscillator under the control of the other of said received signals.

2,548,814
FREQUENCY SHIFT SIGNALING
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1946, Serial No. 672,973
5 Claims. (Cl. 250—8)

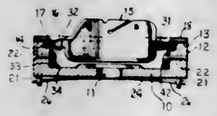
1. In a signaling system, a source of pulse energy representing different signaling conditions, an oscillation generator, means for modulating the frequency of the oscillations generated between two values in accordance with the pulse energy, an amplifier coupled to said last named means, and means for turning said amplifier off

for an adjustable time period between shifts in the frequency of the oscillatory energy including a rectifier, coupling means between said source of



pulse energy and said rectifier including a differentiating circuit, and a second coupling between the output of said rectifier and said amplifier.

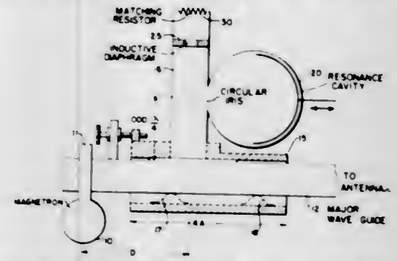
2,548,815
ROTARY HOOK MECHANISM FOR SEWING MACHINES
Charles H. Petskeyes, Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois
Application June 10, 1949, Serial No. 98,311
6 Claims. (Cl. 112—228)



1. For a combination comprising a rotary hook having side walls providing adjacent the top edge thereof a groove, a bobbin case having a flange projecting into said groove and said flange providing in its undersurface a groove, a gib ring for retaining said flange in the groove of the rotary hook, and a tracking member carried by the hook and having an edge portion engaging in the groove formed in the underside of said flange, said flange being spaced from the adjacent side walls of the groove in said hook and the top edge of said tracking member being normally spaced from the walls of the groove of said flange so that upon lateral shifting movement between said bobbin case and said hook said tracking member will restrain said flange from contacting said side walls of the groove of said hook.

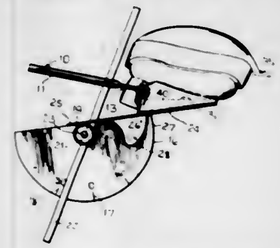
2,548,816
FREQUENCY STABILIZATION OF MAGNETRONS
William M. Preston, Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 19, 1945, Serial No. 617,317
1 Claim. (Cl. 250—36)

A magnetron tuning system comprising a magnetron, a major wave-guide, means for coupling said magnetron to said major wave-guide, said major wave-guide having a first aperture, a sliding sleeve fitting over said major wave-guide and said first aperture, a second aperture in said sleeve of smaller dimensions than the dimensions of said first aperture, a minor wave-guide fixed by fitting into said second aperture and opening into said major wave-guide, a cavity resonator electrically coupled to said minor wave-guide, an impedance matching device at the outer end of said miner wave-guide, said impedance matching device including a matching resistance connected to the end of said minor wave-guide and an inductive diaphragm positioned in said minor wave-guide near the end



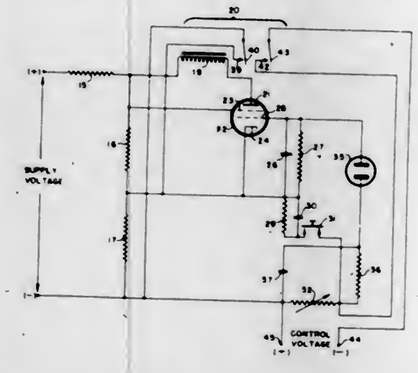
thereof so as to make said minor wave-guide appear as a resistance at the junction point of the major and minor wave-guides, a first means positioning said minor wave-guide substantially to a point on said major wave-guide at which the magnetron frequency jumps, and a second means for altering the resonance frequency of said cavity, the relative positions of said first and second means adjusting the frequency of said magnetron.

2,548,817
DENTAL APPLIANCE FOR DETERMINING PROPER CENTRIC BITE IN THE ART OF PRODUCING ARTIFICIAL DENTURES
Louis Irl Raiche, Chicago, Ill., assignor of twenty-five per cent to Alexander B. Pickands, Chicago, Ill.
Application March 8, 1950, Serial No. 148,404
6 Claims. (Cl. 32—19)



1. A dental appliance for determining the inclination of the centric bite comprising a gauge plate on one surface of which are one or more graduations, a cooperating gauge bar extending transversely of the gauge plate and having connection thereto for circumferential adjustment with respect thereto to line an edge of the bar in registration with one of said graduations, means for pivotally connecting said bar to said gauge plate, a member having at one end portion a fork providing parallel fingers adapted to be inserted into openings formed in the anterior bite rim of an upper trial base plate and having a slot formed therein through which said bar is slidably projected, and a bite plate pivotally connected to said gauge plate in a plane substantially at right angles with respect to said gauge plate and having a portion providing an elongated slot through which said gauge bar projects.

2,548,818
THERMIONIC OVERVOLTAGE PROTECTION CIRCUIT
William R. Rambo, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application December 10, 1945, Serial No. 634,098
6 Claims. (Cl. 175—294)



1. A protective device for electrical apparatus including a normally conducting thermionic vacuum tube having anode and cathode electrodes and at least one control electrode, a normally energized electromechanical relay having circuit switch contacts in a control voltage circuit, means for connecting the energizing coil of said relay in the anode-cathode circuit of said vacuum tube for normal energization and activation of said control voltage thereby, a normally non-conducting glow-discharge tube, means for connecting said glow-discharge tube in the control electrode-cathode circuit of said vacuum tube so that said glow-discharge tube when conductive causes said control electrode to be biassed beyond cut-off potential with respect to said cathode, means for developing voltages substantially proportional to voltages in the electrical apparatus to be protected, means for utilizing the voltages thus developed to effect ionization in said glow-discharge tube, and means intermediate said developing means and said glow tube for delaying the utilization of the developed voltages, thereby deenergizing said electromechanical relay to remove the applied voltage from said apparatus to be protected when said voltages increase beyond a predetermined value only after a given interval.

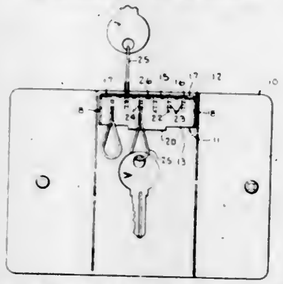
2,548,819
TUNING DEVICE
Paul H. Reedy, New York, N. Y., assignor to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,646
3 Claims. (Cl. 250—20)

1. A radio frequency search apparatus comprising a tuner section including a plurality of separate frequency channels, each of said channels including a tuning element adapted to cover a different portion of the frequency range to be searched, a translating section having a plurality of independent input circuits and a single output circuit, a fixed connection between each of the channels of said tuner section and one of said input circuits of said translating section, and a separate adjustable means electrically connected to each of said fixed connections for successively short-circuiting out of said translating section all but one of said channels at a time



whereby the output signals of said channels are singly and successively translated.

2,548,820
SUPPORT FOR KEY HANGERS
John P. Reis, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application March 14, 1946, Serial No. 654,345
2 Claims. (Cl. 70—456)



2. A support for a key hanger comprising a base plate adapted to be secured to a key case and having an outer edge provided with a laterally extending flange, a hanger holding member having an outer edge provided with a beaded portion, a circumferential slot in said beaded portion, an enlarged opening at that end of the slot which terminates on the base plate confronting face of said bead, said opening adapted to receive and said slot adapted to retain the head of a key hanger, the inner edges of said base plate and said hanger holding member being hingedly connected whereby said hanger holding member may be swung from a closed position in which said slots are adjacent the outer edge of said base plate and said enlarged portions are covered by said base plate to open position in which said slots are removed from adjacent the outer edge of said base plate and said enlarged openings uncovered, a notch in the flange on the outer edge of said base plate in alinement with said slot, and means for detachably holding said hanger holding member in closed position relative to said base plate.

2,548,821
HORN RADIATOR ADAPTED TO BE FED BY A COAXIAL LINE
Henry J. Riblet, Cambridge, Mass., and Jack Steinberger, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 30, 1946, Serial No. 665,938
1 Claim. (Cl. 250—33.63)

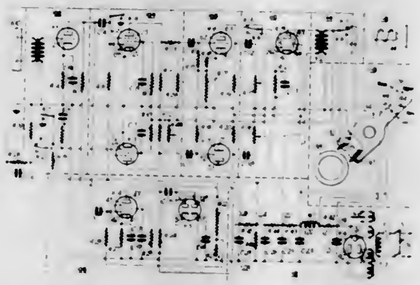
A horn-shaped radiating element for high frequency electromagnetic energy adapted to be

connected directly to a coaxial conductor transmission line, comprising a throat portion adapted to be connected to the outer conductor of the coaxial line, a portion flared outwardly from said throat portion and terminating in a substantially circular open mouth, the rate of flare of said flared portion being designed to match the impedance of the coaxial line to the radiation impedance, said flared portion being bent, the plane of said open mouth being parallel to the axis of said throat portion, an inner conductor located substantially centrally within said throat and



flared portions, one end of said inner conductor being adapted to be connected to the central conductor of the coaxial line, the opposite end of said inner conductor being located in the center of said open mouth, an end portion connected at one end to said opposite end of said inner conductor and located substantially in the plane of said open mouth, said end portion being effective as a radiating element, the orientation of said end portion determining the plane of polarization of the radiated energy, and weatherproofing material located across said open mouth and being provided with a groove for said end portion.

2,548,822
DISTORTION-FREE AUTOMATIC VOLUME CONTROL AMPLIFIER
Frederick W. Roberts, Fairfield, and Roger C. Curtis, New Haven, Conn., assignors to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Original application December 29, 1944, Serial No. 570,280. Divided and this application March 24, 1947, Serial No. 736,752
6 Claims. (Cl. 179—171)



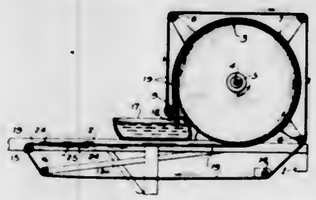
1. For use in a sound recording electronic tube amplifier system having an input and an output circuit, an amplifier A. V. C. circuit, comprising, in combination, circuit means producing an A. V. C. potential which is a function of the signal being amplified, two amplifier stages each having an input and an output circuit and including a variable-gain tube, means applying said A. V. C. potential as a variable operating bias to both of said amplifier stages, means applying the signal to be amplified to the input circuit of one of said amplifier stages, first and second vacuum tubes having input and output connections and connected in a cathode-follower phase-inverted circuit, means connecting the output circuit of one of said amplifier stages to the input connection of said first tube, means connecting the output circuit of the other of said amplifier stages to the input connection of said second tube, and means connecting the output connection of said first tube to the output circuit of said amplifier system, whereby signal distortion caused by operation of the A. V. C. circuit is substantially eliminated in the output of said amplifier system.

2,548,823
DÉCOLLETÉ BRASSIÈRE
William Rosenthal, Bayville, N. Y., assignor to Maiden Form Brassiere Co., Inc., New York, N. Y., a corporation of New York
Application July 2, 1948, Serial No. 36,622
3 Claims. (Cl. 2—42)



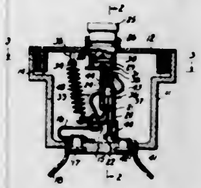
1. A brassière comprising two breast pockets, side pieces adapted to extend to the back of the wearer, the pockets having inner edges separated from each other and diverging upwardly and outwardly, and a band attached along the lower edges of the pockets, each pocket comprising a diagonally-extending edge leading upwardly and inwardly from said band to the lower end of the pocket inner edge, and an inelastic triangular element having one side secured along said diagonally-extending pocket edge, a second side extending from said band upwardly to said lower end of the pocket inner edge, and a base secured along said band.

2,548,824
PHOTOGRAPHIC DRIER
Oscar William Sauter, Glendale, Calif., assignor to The H. I. Thompson Company, Los Angeles, Calif., a corporation of California
Application April 23, 1948, Serial No. 22,761
3 Claims. (Cl. 34—123)



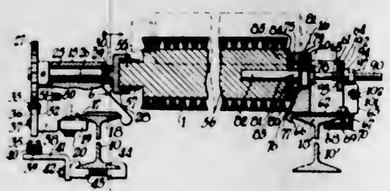
3. A drier for photographic film comprising a drum, means for heating said drum, a standard upon which said drum is rotatably mounted, a base for said standard, a plurality of belt shafts on said base and standard, an endless belt formed of a strip of woven glass fibers, said belt having an outer glass fiber surface and selvedge edges, said selvedge edges being coated with dry adhesive, said belt being threaded over said shafts and said belt passing over said drum; and means for moving said belt over said drum and for rotating said drum.

2,548,825
CIRCUIT BREAKER
Fred N. Schwend, Los Angeles, and William H. Petit, Pasadena, Calif., assignors to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application March 26, 1949, Serial No. 83,546
6 Claims. (Cl. 200—116)



1. In a circuit breaker, a casing, a first contact, spring means on said casing supporting said contact, a contact carrier having a second contact thereon adapted to engage said first contact, means on said casing supporting said carrier for movement from a contact engaging position to a contact disengaging position, a spring biasing said contact carrier toward contact disengaging position, a latch comprising a thermo-responsive element, means on said casing fixedly supporting said latch at one end thereof, said latch being engageable at the free end thereof with said contact carrier whereby to hold said contact carrier in contact engaging position; a manually operable actuating member, said actuating member being operable upon movement thereof in one direction to move said contact carrier to contact engaging position, a cam element on said member operable upon movement of the latter in the opposite direction to deflect said free end of said latch to release said contact carrier, an electric terminal electrically connected to said first contact, a second electric terminal, and means comprising said thermo-responsive element for electrically connecting said second terminal to said second contact, said thermo-responsive element being effective to deflect said free end of said latch to release said contact carrier upon passage of a predetermined current therethrough.

2,548,826
DEMOUNTABLE BRUSHING MACHINE
George M. Smith, Orlando, Fla., assignor to American Machinery Corporation, Orlando, Fla., a corporation of Florida
Application February 26, 1946, Serial No. 650,150
5 Claims. (Cl. 308—59)



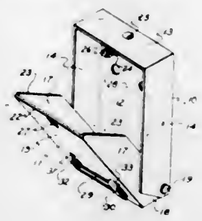
1. A brushing machine comprising a pair of bearing members mounted on spaced supports, a shaft supported in one of said bearing members having a non-circular socket at its inner end, means at its outer end for driving said shaft, the other of said bearing members being movable axially in a slideway and supporting a bearing which forms a shaft journalling socket, a cylindrical brush including a core having a non-circular extension at one end to conform to and be seated in said non-circular socket and a stub shaft at the other end having an extension which is adapted to be seated in said shaft journaling socket, and a latch for securing the slidable bearing member in adjusted position in the slideway for holding the core extensions in their respective sockets.

2,548,827
CUFF TACKER ATTACHMENT
Fred C. Stein, Warsaw, Ind.
Application July 20, 1948, Serial No. 39,629
1 Claim. (Cl. 1—49)



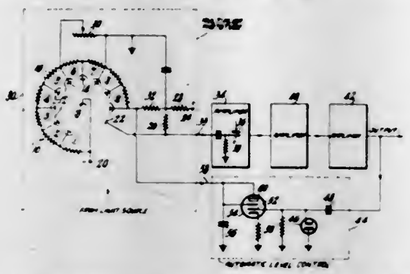
A cuff tacker attachment for a stapler comprising an anvil including an elongated channel member, means for securing said channel member to a base of the stapler, an arcuate flat plate integral with and outwardly inclined from said channel member, and an elongated needle integral with said arcuate plate and disposed perpendicularly to the longitudinal axis of said channel member, said needle including spaced clinching grooves.

2,548,828
HOLDER FOR CIGARETTES AND MATCHES
Annar F. Syverud, Minneapolis, Minn.
Application August 14, 1948, Serial No. 44,325
2 Claims. (Cl. 206—1)



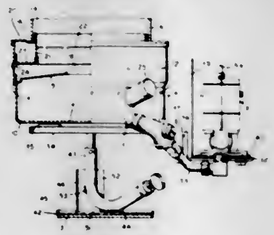
1. In a holder, a support for a packet of matches constituted as a wall having a slot, a generally L-shape keeper mounted on an outer surface of said wall at a location spaced from said slot, and a packet supporting member including a flat, elongated bar adjacent said outer surface of said wall, a flat S-shape end portion contiguous with said flat bar and extending through said slot and a pair of ears contiguous with and projecting outwardly from opposite sides of said S-shape end portion at an end of said packet supporting member in direction transversely of said elongated bar, situated adjacent an inner side of said wall and of dimension to preclude passage of said end of the packet supporting member through said slot in the wall, whereby to provide for limited pivotal movement of said packet supporting member in a plane parallel to said wall thus to permit said bar to be moved into and out of engaged relation with said keeper.

2,548,829
COLOR TELEVISION SYSTEM
George C. Sziklai, Princeton, and Milton Rosenberg, Trenton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 27, 1948, Serial No. 17,564
5 Claims. (Cl. 178—5.4)



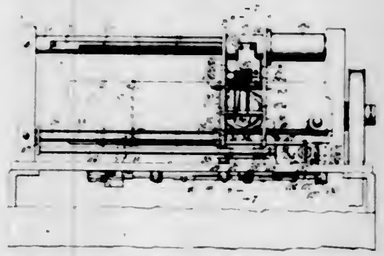
1. In a television system of the type in which an optical image is scanned by means of a spot of light produced on the luminescent screen of a cathode ray tube by impingement thereon of the cathode ray scanning beam of said tube, said cathode ray scanning beam being so deflected that the said light spot traces an image raster on said luminescent screen, and in which light representative of a point on the said optical image is separated into component colors which are respectively received by a plurality of electro-optical devices to thereby produce an instantaneous voltage output from each such electro-optical device which is normally a measure of the brilliance of one component color making up that point on the said optical image, the combination of a circuit for producing from the combined voltage outputs of the individual electro-optical devices an integrated voltage variation representative of the overall brilliance of said optical image, and a further circuit for applying the variation thus produced to control the intensity of the cathode ray scanning beam of said cathode ray tube.

2,548,830
STOVE WITH VERTICALLY ADJUSTABLE LIQUID FUEL BURNER AND FLOAT CONTROL UNIT
Charles P. Thomas and Henry Andrews, Lansing, Mich., assignors to Piatt Products Corporation, Lansing, Mich., a corporation of Michigan
Application March 11, 1947, Serial No. 733,864
4 Claims. (Cl. 126—93)



3. In combustion apparatus having a casing provided with a lateral opening and a base supporting the casing, a horizontal guide mounted on the base, a burner for liquid fuel, a float control for the liquid fuel supplied to said burner, a support for said burner and float control predeterminedly vertically positioning said float control relative to said burner; said support, burner and float control forming a unit laterally insertable through the casing opening and means comprising a vertically adjustable member movably mounted on said guide for carrying and vertically positioning said unit.

2,548,831
DICTATING MACHINE
John H. Trevitt and John E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application March 28, 1945, Serial No. 585,222
8 Claims. (Cl. 274—17)



1. In a dictating machine wherein a stylus support is mounted on a carriage and a power driven feed screw is arranged to be engaged by a feed nut operatively connected to said carriage to advance said carriage longitudinally in relation to a record support during recording and reproducing and means are provided for returning the carriage to a starting position, said machine comprising in combination, a record ejector lever, a trip carrying member slidably mounted at one side of said carrier and arranged and adapted to be engaged and advanced by said carrier during advance movement thereof in recording, means operatively connected with said ejector lever and arranged and adapted to disengage the feed nut from the feed screw when said ejector lever is actuated to remove a record, means operative independently of said feed screw from the same source of power as said feed screw and arranged and adapted to move said trip carrying member against said carriage and in a direction to return said member and said carriage to said starting position, a clutch operatively connected with said ejector lever for starting said trip carrying member moving means, and means operatively connected with said trip carrying member and arranged and adapted to operate when the latter reaches starting position for stopping said trip carrying member moving means.

2,548,832
COMBINED LANDING GEAR DOOR AND FLUID FOIL
Walter Tydon, Granville, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 17, 1948, Serial No. 49,678
12 Claims. (Cl. 244—101)

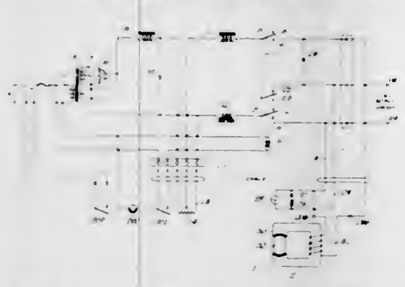
1. In combination with an airplane having a landing gear retractable into a well in the airframe forwardly of the airplane's center of gravity; a panel movably connected to the airframe to move between a first position wherein it serves as a closure for said well, a second position in which it uncovers the well to provide for

projection and retraction of the gear, and a third position in which it constitutes a hydroflap; actuating means for operating the landing gear between its retracted and projected positions; means operable by and upon operation of said



actuating means for moving the panel between said first and second positions; and other means operable to move said panel from said first position to said third position while said landing gear remains in retracted position.

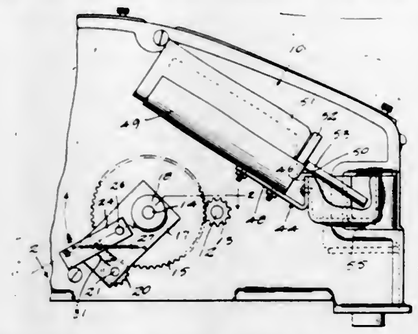
2,548,833
GENERATOR TESTING DEVICE
Stanley H. Van Wambeck, Richmond Heights, Mo., assignor to the United States of America as represented by the Secretary of War
Application June 7, 1945, Serial No. 598,170
8 Claims. (Cl. 322—95)



1. An alternating current power supply having an adjustable output voltage, and comprising: an alternating current generator which includes generator terminals, permanent magnet means for producing a magnetic field in the generator, and a winding connected to the generator terminals and so located as to influence the strength of the magnetic field; an alternating current output circuit; a source of direct current; and circuit means connecting the source and the alternating current output circuit with the generator terminals, thus modifying the magnetic field and as a result the alternating current output voltage of the generator, such circuit means including means for blocking direct current from the alternating current output circuit and means for blocking alternating current from the source of direct current.

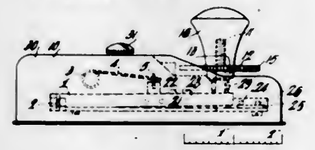
2,548,834
FEEDING MECHANISM
Lewis Walters, New York, N. Y.
Application February 19, 1947, Serial No. 729,593
2 Claims. (Cl. 74—144)

1. Operating means comprising a frame, a driven shaft journalled in said frame and having a driven gear fixed thereon, an oscillatable driving shaft journalled in said frame, at least one elongated member fixed to said driving shaft, a drive gear disposed adjacent said member and loose on said driving shaft and constantly meshing with said driven gear, a ratchet gear rotatably carried by said elongated member, and constantly meshing with said drive gear, spring-pressed means rockably carried by said elongated member for locking said ratchet gear relative to said drive gear on the forward feeding stroke of said driving shaft, and stationary means mounted on said frame engageable with said spring-pressed means for rendering the latter in-



operative on the initial forward stroke of said driving shaft, said spring-pressed means including a second member rockably carried by said first mentioned elongated member and projecting from the outer end of the latter, said first member having a slot therein adjacent the periphery of said drive gear, and a dog fixed to said second member and loosely engaging through said slot.

2,548,835
TELEGRAPH KEY
Harold Joseph Hughes Wassell, Danbury, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 1, 1946, Serial No. 707,174
In Great Britain June 20, 1946
2 Claims. (Cl. 178—101)



2. A telegraph key, comprising a pivoted key bar, a knob mounted on said key bar, a skirt interposed between said key bar and said knob, said skirt being provided with indicia for indicating the contact spacing and being separable from and capable of being locked in an adjusted position of said knob, a return spring mechanically coupled to said bar, said spring exerting an upward return force thereon, a spring tension adjustment member coacting with said spring and provided with indicia for indicating the spring tension, two fixed and two movable contacts controllable by said key, the two movable contacts both being carried by said key bar and each thereof being disposed adjacent an associated fixed contact, and adjustable means coupled to said skirt and adjustable by said knob for changing the spacing between at least one of the fixed and its associated movable contact, said spring acting to urge said key bar in a direction to cause one of said movable contacts to engage its associated fixed contact.

2,548,836
ELECTROMAGNETIC FIELD PHASE DETERMINING APPARATUS
Harvey R. Worthington, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,032
7 Claims. (Cl. 343—100)



1. A phase measuring apparatus comprising, in combination with a cathode ray oscilloscope and a radiating element, a variable-frequency oscillating means, means connected to said oscillating means for varying the frequency thereof repeatedly and linearly with time, first transmission means connecting said oscillating means to the radiating element, a magic-T having two symmetrical and two asymmetrical branches, mixer means inserted in one of the symmetrical branches of said magic-T, matched loading means terminating the remaining symmetrical branch of said magic-T, second transmission means connected to one of the asymmetrical branches of said magic-T, directional coupler means for connecting said first transmission means to said second transmission means, third transmission means connected to the remaining asymmetrical branch of said magic-T and movable with respect to said radiating element and in the field of the radiating element for exploring the wavefronts of said field, and amplifier means connecting the output of said mixer means to the oscilloscope whereby indications of surfaces of uniform phase in the field of the radiating element may be observed thereon.

2,548,837
ROTATING DISK GAME DEVICE
Edward F. Wright, Toledo, Ohio
Application June 22, 1948, Serial No. 34,369
1 Claim. (Cl. 273—142)



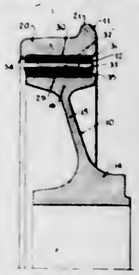
A device of the class described, comprising a casing, a cover for the casing having a single sight opening therein, three discs rotatably mounted within said casing for rotating about parallel axes arranged in triangular relation and spaced so that the intermediate disc overlaps the other two discs, each disc having an annular row of indicia and one indicium of each disc being visible through the sight opening, a slide reciprocable within the casing rectilinearly operable between a normally extended position and an inwardly retracted position, a finger piece fixed to said slide for operating same, cooperating means on the casing and slide for guiding the rectilinear movements of the latter, spring means engaged between the slide and casing for normally holding said slide in its extended position, three arms each pivoted at one end to said slide and extending generally in the direction of the length thereof, two of said arms having a common axis and being arranged in superposed position, a pinion fixed to and co-axial with each disc, each of said arms including rack tooth and smooth portions extending serially therealong, said rack tooth portions being arranged to mesh with said pinions, each of said rack tooth portions lying opposite to and meshingly engaging a pinion in the normal extended position of the slide, each of said smooth portions lying opposite to a pinion in the retracted position of the slide, spring means respectively urging the arms toward their respective pinions, whereby rectilinear movement of the slide, by pressing upon the finger piece, causes simultaneous rotation of each of the discs, the latter spinning freely after being disengaged from the rack teeth and whereby upon release of the finger piece and movement toward its extended position the rack teeth affirmatively re-engage and rotate their respective pinions in the opposite direction and upon reaching the normally extended position of the slide, said rack teeth positively hold the pinions against further rotation.

2,548,838
SNAP FASTENER
Daniel C. Gillespie, Oak Park, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 30, 1948, Serial No. 68,191
8 Claims. (Cl. 24—213)



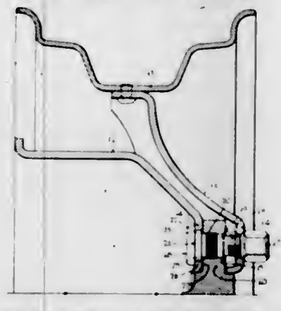
1. An integral spring sheet metal snap fastener formed from a single sheet of flat metal stock and having a cup-shaped head portion, a pair of torsion strips or links of less width than the diameter of said head portion extending radially inwardly from opposite edges of said head portion in closely nested relation to the inner surface of the head, said torsion links merging into contiguous relationship adjacent a diametrical plane extending through the head and being extended in the form of relatively long flat legs, each of which extends generally away from said head in an axial direction in scissors-like fashion in the normal relaxed condition of the fastener, the median lines of said legs being disposed at an acute angle with respect to each other, a relatively short terminal foot portion formed on the free end of each leg, said foot portions overlapping each other in contiguous relationship and each foot extending at an obtuse angle from the leg portion on which it is formed, the inner edges of said legs and of said foot portions surrounding an appreciable open space and forming therebetween a rectilinear trapezoidal figure, and a series of teeth on the outer edges of said legs adapted to engage the inner peripheral edge of an opening defined in a panel when the fastener is in position with respect to the panel, the outer edges or sole portions of said foot portions forming guides for facilitating the introduction of said legs into said opening, said foot portions being adapted to intersect each other in crossing relationship when the fastener is in position in the opening and on the panel to provide a trough-like depression adapted for reception of the end of a tool whereby upon pressure being applied by said tool to said fastener in an axial direction, the relative angularity between said foot portions will increase and the relative angularity between said leg portions will decrease to thereby cause the fastener to shrink in over-all width and facilitate release of the same from the opening in which it is mounted.

2,548,839
CUSHIONED RAILWAY WHEEL
Joseph H. Coombes, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 22, 1947, Serial No. 770,161
12 Claims. (Cl. 295—11)



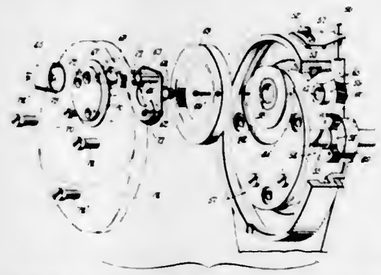
7. In a railway wheel, in combination, a radially inner section, a radially outer or rim section having a guiding flange along one margin thereof, said sections being tied together solely by an annular filler, for the most part rubber in compression, said annular filler having a plurality of circumferentially spaced holes and being axially expanded and radially compressed into strong holding engagement with said sections by members of substantially uniform cross-section throughout their lengths and driven into said holes and held therein solely by the rubber, and an inwardly extending flange along the margin of said rim section axially opposite said guiding flange and an outwardly extending flange along the inboard margin of the periphery of said inner section for resisting, through the shear and compression of the rubber, lateral forces transmitted to said guiding flange by an associated rail.

2,548,840
STUD FOR MOUNTING WHEELS OR THE LIKE
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1946, Serial No. 690,285
2 Claims. (Cl. 301—6)



1. In combination, a hub having a radial flange, a seat on the inboard face of said flange for securing a brake drum and a seat on the outboard face of said flange for securing a wheel body, and a securing stud extending through said flange, non-rotatably secured in a hole therein and cooperating with a nut to clamp the brake drum and wheel body to their respective seats on the hub flange, said stud being interchangeably usable with or without a brake drum mounted on the hub and having a stepped-head portion, the smaller diameter head portion being adopted to fit a hole in the brake drum, and being of less width than the thickness of the metal of said drum, whereby the drum may be securely clamped by the larger diameter head portion of said stud against its seat on the hub flange, said smaller diameter head portion of said stud being adapted to seat against the inboard face of the hub flange when the stud is used on a hub without a brake drum.

2,548,841
ROTARY TAKE-UP FOR SEWING MACHINES
David A. Graesser, Westfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 12, 1948, Serial No. 26,525
12 Claims. (Cl. 112—248)



1. In a sewing machine, a reciprocatory thread-carrying needle, a rotary hook complemental to said needle in the formation of lock-stitches, means for rotating said hook a plurality of times for each reciprocation of said needle, take-up mechanism comprising a single thread-engaging take-up element satisfying stitch-formation thread handling requirements, and driving connections including a rotary shaft for revolving said take-up element about the center of rotation of said shaft at a varying radius of revolution and in timed relation with said hook to dispose said take-up element at its point of minimum radius of revolution at substantially the time said needle is disposed at the point of reversal of its stroke direction next prior to seizure of the needle-thread loop by said hook.

2,548,842
COUNTERBALANCING ATTACHMENT FOR WHEELS
Robert C. McCrorey, Peoria, Ill.
Application August 23, 1949, Serial No. 111,805
12 Claims. (Cl. 301—5)

11. A wheel balancing device for attachment to a rim provided with a flange that curves outwardly, comprising a weight member in the form of a soft metal casting shaped to fit under such a flange, a plate cast into said member and having a trough-shaped bearing exposed on the outer side of the latter, a resilient latch having along

its lower edge a trough-shaped bead fitting rotatably in said bearing and having at its upper end a wing adapted to overlie the rim flange to hold the weight member in place, a fastening



element passing through the bead and into the bearing, and the opening in the bead through which the fastening passes being in the form of a slot to allow the latch to swing up and down.

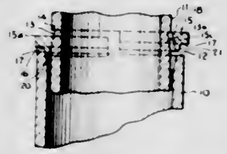
2,548,843
FIRE ESCAPE LADDER
William R. Moeller, College Point, N. Y., assignor to Superior Fire Equipment Corporation, New York, N. Y.
Application May 24, 1946, Serial No. 671,931
4 Claims. (Cl. 228—40)



1. In a fire escape ladder comprising flexible metal chains having elongated links, metal rungs and flat, substantially ovate spacers having reduced ends, a single detachable connector having a body portion with a cylindrical bearing for the rung projecting from said body portion, seats formed integrally with said body portion for enclosing the shanks of a link, the ends of the links being flexibly secured to other links, a solid lug projecting outwardly from said connector for anchoring a spacer at its reduced end transversely to said rung and wings or arms furnishing bearing surfaces for a spacer projecting from said connector and capable of supporting fastening means for securing the connector to the spacers whereby the spacers are held against undesirable rocking.

2,548,844
ADJUSTABLE POST
Clarence E. Myers, Cuyahoga Falls, Ohio, assignor to Summit Steel Products, Inc., Akron, Ohio, a corporation of Ohio
Application March 21, 1947, Serial No. 736,173
4 Claims. (Cl. 254—98)

1. An adjustable post of the character described, comprising a longitudinally extensible unit including an elongated tubular member and an elongated cylindrical element telescopically arranged within the same to have a portion of the length of the element extending longitudinally outwardly of an inner end of the member, said element having on the outer periphery thereof a plurality of separate, longitudinally spaced, annular grooves defining longitudinally inwardly presented annular shoulders, a circumferentially segmented ring selectively engageable piece-by-piece within a given one of said annular grooves and having annular inner edge portions complementally engageable with said annular



shoulder of the groove, said ring having annular seat portions engageable with said inner end of the member when longitudinal compressive load stress is applied to said unit in assembled condition with the ring in position in said given groove, said ring having annular flanged portions engageable inwardly between said element and the inner peripheral edge portion of said tubular member and thereby preventing removal of the ring segments from the unit in said assembled condition thereof.

2,548,845
4-HYDROXY-2-ALKYLBENZIMIDAZOLES AS AZO COUPLING COMPONENTS IN DIAZOTYPES
Fred W. Neumann, Nazareth, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 16, 1948, Serial No. 65,723
4 Claims. (Cl. 95—6)

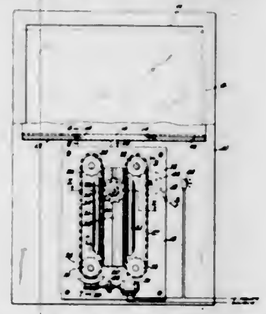
1. Diazotype photoprinting material having a light sensitive layer comprising a light sensitive diazo compound, and as an azo coupling component, a member of the group consisting of 4-hydroxybenzimidazole and 2-alkyl derivatives thereof in which the alkyl group contains 1–3 carbon atoms and salts thereof.

2,548,846
CHAIN HOIST
Erford E. Robins, North Tonawanda, and Humphrey F. Parker, Buffalo, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Application November 1, 1947, Serial No. 783,486
7 Claims. (Cl. 254—167)



1. In a chain hoist, in combination, a load lift wheel and a chain guide device mounted upon said hoist in relatively spaced relation and so arranged as to cooperate to guide a load hoisting chain to train between the load lift wheel and the guide device, said load lift wheel comprising a member having a series of generally flat land portions extending peripherally of the wheel, each of said land portions being adapted to receive in flatwise-disposed relation thereagainst successive alternately flatwise disposed links of the load chain as the latter trains around the wheel, said land portions being centrally grooved at opposite ends thereof to accommodate the alternate edgewise disposed load chain links which interconnect the flatwise disposed links, said land surfaces terminating in upstanding abutment portions at the trailing end portions of said land surfaces in view of the direction of wheel rotation when lifting a load, said abutment portions being shaped to complement and bear against the trailing end portions of the flatwise disposed chain links.

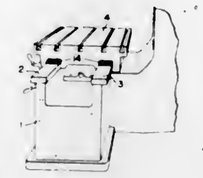
2,548,847
MEANS FOR CONTROLLING WINDOWS AND THE LIKE
Peter F. Rossmann, Morristown, N. J., and Karl Rath, New York, N. Y.
Application February 27, 1948, Serial No. 11,618
11 Claims. (Cl. 268—124)



1. The combination with a window regulating device including operating mechanism for raising and lowering a window and including means for controlling said mechanism comprising a driving motor with means for starting the same in either direction and a manual operating member, of multiple drive means connecting said motor and operating member with said mechanism comprising a pair of flexible endless members with means for guiding the same along a straight path in spaced parallel relation to each other, a driving member cooperating with both said flexible members for rotation thereby and translatory movement along said path, a unidirectional coupling between said motor and operating member and said flexible members respectively for unidirectionally transmitting motion from said motor and said control member to said driving member, while blocking transmission in the reverse direction, and means for transmitting translatory motion from said driving member to said operating mechanism.

2,548,848
READILY REMOVABLE WAY WIPING MEANS
Herman H. Stechmann, Davenport, Iowa, assignor of one-half to William C. Uphoff, Moline, Ill.
Application October 22, 1945, Serial No. 623,784
5 Claims. (Cl. 308—3.5)

1. A wiper for the purpose stated comprising a pair of readily disconnectible housings to be attached to the bed of a machine tool with their bottom edges separated slightly from a way, said housings having fabric wiping means attached to the lateral walls of the housings in positions



to be moved along the way by the bed as it travels back and forth whereby to wipe from the way any particles which might tend to scratch the way if caught between the bed and the way, said fabric enclosing an open space above the way.

2,548,849
ELIMINATION OF HYDROGEN FROM HEATS OF KILLED STEEL
Charles R. Taylor and Charles F. Staley, Middletown, Ohio, assignors to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application January 12, 1946, Serial No. 640,996
6 Claims. (Cl. 75—12)

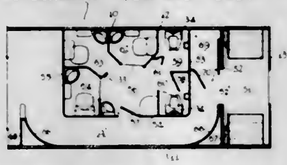
1. A process of producing commercially clean chromium-bearing steels of the stainless type, including the steps of producing killed steel in an electric arc furnace, thoroughly deoxidizing the steel and during the finishing stage and close enough to the tapping to prevent hydrogen reabsorption, passing dried atmospheric air through the steel in said furnace under a pressure insufficient to produce excessive splashing to the extent of reducing the hydrogen in the steel to a value below its solubility in the solidified metal, and at a time when the steel contains residual deoxidizing agent, the steel being finished under a reducing slag.

2,548,850
WINDOW SHADE BRACKET
Arthur L. Thexton, Cincinnati, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application February 6, 1946, Serial No. 645,745
2 Claims. (Cl. 248—267)



1. A window shade bracket comprising a base, an ear overhanging said base, said base and said ear having apertures therein defining a nail passageway disposed on an angle with respect to said base, a reenforcement ear extending from an extremity of said first ear into supported engagement with said base, and a shade roller support arm extending at right angles outwardly from said base at one side thereof below said ear.

2,548,851
WASHROOM ARRANGEMENT FOR RAILROAD CARS
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 30, 1946, Serial No. 687,169
4 Claims. (Cl. 105—315)



1. A combined toilet and washroom arrangement for sleeping cars, comprising a space adjacent one end of a car enclosed by longitudinally extending car side and aisle walls interconnected by spaced transverse walls, said space being divided by permanent dividing partitions into an anteroom disposed along the aisle wall, occupying but a portion of the length and width of the space between the car side and aisle walls and accessible from the aisle through a doorway in the aisle wall, and further into a plurality of separate enclosed compartments for individual passenger use arranged in the remaining space between said anteroom and the car side wall and said transverse walls, each of said compartments opening into said anteroom through a doorway having closure means therefor, certain of said compartments being equipped with facilities for washing and dressing to the exclusion of toilet facilities and others with toilet facilities to the exclusion of washing and dressing facilities.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

590,105. **PLASTICS MOLDING COMPOUNDS.** Robert V. Williamson, Thomas F. Clark, Theodore R. Naffziger, and Elbert C. Lathrop, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Filed Apr. 24, 1945. Published Apr. 10, 1951. Class 260—17.2. No drawing. 11 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The application relates to thermosetting plastics of the phenolic type which contain relatively small amounts of the thermosetting resin compared with previous resin formulations, but still possessing the properties of a high-grade, general purpose molding compound. The novel formulation includes a lignocellulose flour as a filler, a thermosetting resin of the phenolic type, and a pine wood pitch residue fraction (Vinsol) as plasticizer. The thermosetting resin is pretreated by mixing a liquid phenol-formaldehyde condensation product with an excess of water and agitating until the resin coagulates. The coagulated resin is separated and agitated with fresh water to remove water solubles. The plasticizer is a condensation product of pine wood pitch residue characterized by low abietic acid content and an alkali or formaldehyde. It has a softening point in the range of 230° to 425° F.

In this formulation the lignocellulose flour may be an agricultural residue material, such as ground corn cobs, ground flax shives, and the like; and may be supplemented with long fibers, such as palmetto fiber. The relative proportion of lignocellulose filler may be as high as 50 percent without undue water absorption or swelling. The pine wood pitch plasticizer assists in the molding operation. Its use, however, is optional, for other plasticizers may be used.

The following table is illustrative of the resin formulations.

No.	Composition	Izod notched impact strength Ft. lb./in. of notch
1.	50% corncob flour, 25% resin, 20.4% Vinsol,[1] 2.1% calcium carbonate, 2% dye, 0.5% zinc stearate	0.17
2.	Same as No. 1 plus 33⅓% palmetto fiber milled into compound and pieces of milled sheet molded to form impact bar	1.11
3.	Same as No. 1 in coarsely ground form and molded to form impact bar	0.54
4.	Same as No. 1 plus 20% palmetto fiber laminated in 5 strips in the impact bar mold	8.07

[1] Pine wood pitch fraction with low abietic acid content.

666,651. **MENDING TAPE.** Clare E. Bacon, Newark, Ohio. Filed May 2, 1946. Published Apr. 10, 1951. Class 117—122. 1 sheet of drawings. 15 pages of specification.

This application relates to a mending tape having outstanding strength characteristics and other improved properties. The tape comprises a fabric of glass fibers having a coating comprising a pressure sensitive, adhesive, resinous composition consisting essentially of a resinous material formed by addition polymerization such as polymethyl methacrylate reacted with a copolymerizable polyfunctional acrylate monomer; or formed by condensation, such as phenol formaldehyde. At least a portion of the resinous material is not advanced to the full extent of polymeric growth so as to impart the pressure sensitivity. Also, the incomplete polymeric growth enables subsequent hardening in situ after the tape has been applied to the article to be mended.

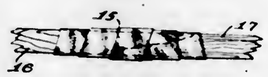
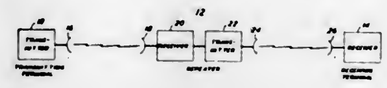


Figure 3 illustrates a fragmentary side elevation of the present tape 15 wrapped about the mating parts 16 and 17 of a broken shaft.

Initially, the glass fiber fabric may be impregnated or coated with the resinous material by dip coating, brushing, or spraying. After the tape is positioned as desired, for example as shown in Figure 3, the resinous material is converted to the final or "C" stage by heat, catalysts, activating light rays, or the like. This advancement to the final stage eliminates the tackiness characteristic of present mending tapes and is accompanied by shrinkage of the resin. The shrinkage further tightens the wrappings to increase the tenacity with which the parts are held in assembled relation. If desired, a substantially clear resin having an index of refraction substantially the same as that of the glass fibers may be used to provide a transparent tape.

721,438. **PULSE MODULATION SYSTEM.** George H. Huber, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York. Filed Jan. 10, 1947. Published Apr. 10, 1951. Class 250—6. 1 sheet of drawings. 9 pages of specification.



A method of operating pulse modulated radio relay systems that employ radio frequency oscillators, the operating frequency of which is dependent upon the duty cycle of their intermittent operation. In the use of microwave pulse communication systems of the type employing velocity variation tubes, it has been found that the amount of tube heating produced upon operation is proportional to duty cycle which is the ratio

between the total time and the time during which the tube is operated. It has also been found that variation of this ratio or duty cycle in the case of velocity variation tubes employing resonant cavities causes sufficient change in operating temperature to materially alter the critical dimensions of the resonant cavities and thus produce very appreciable changes in the operating frequency of the tubes. The present system is operated with pulses of such average duration and spacing that the duty cycle of the radio frequency oscillators is between 15 and 16 to 1. For duty cycles in this range the ratio of operating time to total time is such that the effect of message signals upon the operating frequency of the radio frequency oscillators is the same as that of the random noise voltages which may modulate or key the oscillators in the absence of signals. With this operation, interruption in any relay link due to fading or other signal failure will not completely disrupt transmission in subsequent links since the frequency of the oscillators remains substantially constant.

754,282. **COLORED GLASS FIBERS.** Robert Steinman, Los Angeles, Calif. Filed June 12, 1947. Published Apr. 10, 1951. Class 117—126. No drawing. 18 pages of specification.

This application discloses a glass fiber fabric in which the fibers are sized with an organo silicon liquid in combination with an organo silicon resin present in proportions to impart the desired balance between lubricity and bonding. Glass fibers are subject to destruction by mutual abrasion or by abrasion from other sources and in order to develop greater strength in the end product, it is desirable to introduce sufficient material to separate the fibers one from another.

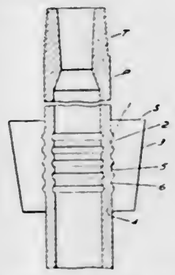
To accomplish this separation with the organo silicon compounds would not only be expensive but highly undesirable. It has been found, however, that the desired spacing of glass fiber filaments in the fabric can be accomplished without increasing the organo silicon resinous and lubricating solids but by incorporating a suitable bulking agent which does not detract from the properties of the organo silicon combination. In fact, with proper selection of bulking agents, it is possible substantially to eliminate the organo silicon lubricating phase, impart color and introduce flame-proofing properties.

Suitable bulking agents may be selected from inert siliceous materials such as diatomaceous earth, Fuller's earth, talc, ground mica, soap stone, clays and the like; inorganic oxides and pigments including carbon black, lamp black, graphite, titanium dioxide, silicon white, zinc oxide, cadmium oxide, iron oxide, cinnabar, lead chromate, chromic oxides, cadmium red, cadmium yellow and the like; metallic powders and flakes of aluminum, magnesium, tin, lead and the like.

In practice, 2–50 parts by weight organo silicon lubricant may be combined with 98–50 parts by weight organo silicon binder and incorporated with a bulking agent in the ratio of 25–75 parts by weight bulking agent to 75–25 parts organo silicon mix. The materials may be combined and formed into a paste, solution or emulsion for treatment of the glass fiber surfaces. Upon application to the glass fibers, cure can be effected at temperatures ranging from 200–450° F. for 3–5 minutes.

The treated fibers as such or in fabric form serve as a base for coating with resinous materials such as phenolics, urea, polystyrene, polyacrylates, polyvinyls, polyethylene, alkyds, polyesters and the like.

782,584. **DRILL PIPE AND HOLDING MEANS THEREFOR.** Jacob C. Siegle, Youngstown, Ohio. Filed Oct. 28, 1947. Published Apr. 10, 1951. Class 255—28. 1 sheet of drawings. 8 pages of specification.



The disclosure relates to drill pipe particularly that used for drilling deep oil or gas wells and is designed to eliminate the inimical effects resulting from notches, gouges or other abrasions of the pipe surface by the customary serrations on the slips by which the pipe is gripped when adding a section to or removing one from the pipe string already in the well. These abrasions cause undue concentration of lines of stress when the pipe is subsequently subjected to severe tension and the focusing of the stress lines at these points lowers the fatigue resistance of the pipe as a whole. The disclosure therefore contemplates provision of an improved drill pipe and slips therefor adapted to hold the pipe securely at the top of the well but in such manner that defacement of and mechanical injury to its surface is substantially inhibited while, additionally, affording a more secure grip on the pipe than that normally obtainable by use of the customary serrated slips.

In accordance with the disclosure the pipe P, in a zone usually about two feet from its end, is made with a plurality of separated annular ridges 1 of greater external diameter than the respectively adjacent portions of the pipe; the inner faces of the slip segments *s* moreover are provided with a plurality of projections **6** and valleys **5** respectively conforming to the valleys **2** between the ridges **1** on the pipe P and to the ridges themselves, the said faces being thus complemental to said zone.

In another form the disclosure rings of steel or other appropriate material are welded to the smooth outer surface of the pipe at intervals and the inner faces of the slips correspondingly formed so as to receive the rings and enter the spaces between them; while in still another form of the disclosure a series of longitudinally spaced circumferential grooves are cut or otherwise formed in the outer surface of the pipe and in the zone of said grooves the wall is inwardly thickened so that its strength will not be diminished by their presence.

3,040. **GAS TURBINE APPARATUS.** Harvey B. Saldin, Springfield, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Jan. 19, 1948. Published Apr. 10, 1951. Class 60—41. 2 sheets of drawings. 12 pages of specification.

The disclosure in Figure 3 of the drawing relates to a turbojet engine comprising outer cylindrical casing structure **30** with an inner wall **31** providing an annular cooling air passage **32** which encompasses the turbine **20**. Ports **35** are formed in the wall **31** outwardly of the blades carried by rotor discs **21** and **22**. Combustion apparatus **19** is

disposed upstream of the turbine inlet nozzle **25**. In operation, the usual compressor (not shown) supplies air under pressure to the cooling passage **35** and also to the combustion apparatus **19**, the resultant hot motive gases from the latter being expanded through the turbine **20** and expelled by way of a nozzle **14**. At the same time, cooling air flowing from the passage **32** through the ports **35**

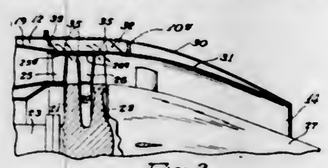


Fig. 3.

is carried through the turbine blading and is mixed with the hot motivating gases, thereby preventing undesirable overheating of the turbine while preventing excessive thermal expansion of the inner wall **31**, so that favorable blade tip clearance relationships may be maintained.

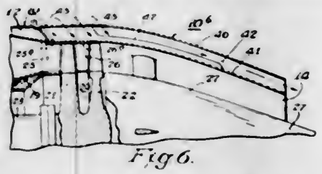


Fig 6.

In Figure 6 a somewhat similar turbojet apparatus is disclosed, wherein a cooling air passage **42** communicating with nozzle **14** is formed between an inner wall **41** which shrouds the turbine **20** and an outer casing **40**. Ports **45** are formed in the outer casing **40** for admitting cooling air which is drawn into the passage **42** and ejected therefrom into the stream of gases issuing from the nozzle.

17,363. **PROCESS OF MANUFACTURING PERMANENT ALKALINE WRITING INK.** Morris S. Kantrowitz and Earl J. Gosnell, Washington, D. C. Filed Mar. 26, 1948. Published Apr. 10, 1951. Class 106—22. No drawing. 9 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The object of the application is to provide a permanent noncorrosive writing fluid.

These objects are accomplished by producing diammonium hydroxyferrigallate by treating an aqueous solution of ferrous sulfate with sufficient hydrogen peroxide to form the iron complex $2Fe_2O_3.SO_3.6H_2O$ and before the thus-precipitated iron complex can decompose, reacting said complex with a stoichiometric quantity of ammonium hydroxide to form a greenish black ferrous-ferric hydroxide complex and before said ferrous-ferric hydroxide complex can decompose reacting it with a slight excess of gallic acid.

The thus-formed diammonium hydroxyferrigallate solution is combined with a compatible dyestuff and if desired an anti-mold reagent to produce a permanent alkaline noncorrosive writing fluid.

Such dyestuffs as xylene cyanol (C. I. No. 715), erioglaucine (C. I. No. 671), direct sky blue 6B conc. (C. I. No. 518), brilliant milling blue B, 200 per cent (Dupont), patent blue VF (C. I. No. 712), sulphon acid blue (C. I. No. 208), naphthol blue-black B (C. I. No. 246), and the like, have been found to be compatible dyestuffs for various blue shades which may be desired. Patent blue VF (C. I. No. 712) and sulphon acid blue (C. I. No. 208) have been found to impart added brilliance to diammonium hydroxyferrigallate writing fluids.

Anti-mold reagents such as phenol, the sodium salts of 2-bromo-4 phenylphenol and zephiran chloride (a mixture of alkyl dimethyl benzyl ammonium chlorides) have been found to be compatible.

Example

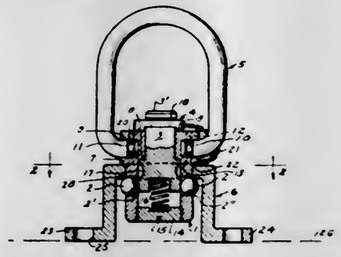
To prepare a 100 gallon batch of diammonium hydroxyferrigallate writing fluid containing approximately 3 grams of iron per liter of solution and to which dyestuffs have been added to alter the tinctorial characteristics: A weighed quantity, 12.48 pounds of ferrous sulfate heptahydrate was dissolved in distilled water and the completed solution volume adjusted to 100 gallons. A 25 ml. aliquot was withdrawn and transferred to a flask, diluted with 75 ml. of water, and 10 to 15 ml. of concentrated sulfuric acid was added. This sample was titrated with standardized 0.1 normal potassium permanganate solution to determine the iron content of the batch which should be 3 grams per liter (14.935 grams of ferrous sulfate heptahydrate per liter) plus or minus 0.1 per cent; the ferrous sulfate solution was adjusted to this value before proceeding by the withdrawal of some solution and addition of water or addition of ferrous sulfate as necessary. To this ferrous sulfate solution batch, a solution of hydrogen peroxide (0.84 pounds of 90 per cent hydrogen peroxide—observe normal precaution in handling) was added cautiously and with very vigorous agitation. The mixture turned brown but remained clear for approximately 2½ minutes because of the colloidal nature of the iron complex formed. As the colloid began to break down the mixture became increasingly turbid and at a maximum turbidity (about 1 minute after the first sign of cloudiness was noted) 10.5 pounds of concentrated ammonium hydroxide (28% NH_3) was added, a greenish-black ferrous-ferric hydroxide complex formed. Immediately thereafter 8.7 pounds of gallic acid ($C_7H_6O_5.H_2O$) was added to the reaction mixture. Vigorous agitation was maintained throughout the manufacturing operation and was continued at a reduced rate for 20 to 30 minutes longer. Thereafter 2.5 pounds of patent blue VF was slowly added and blended with the fluid, and then 1.0 pound of phenol (U. S. P. grade which had been liquefied by the addition of about 8 to 10 per cent water) was added and agitation was continued until the dyestuff had dissolved. This ink will have a pH of about 8.3.

74,643. **CARGO ANCHORING DEVICE.** Richard L. Weir and Herbert E. Spencer, Dayton, Ohio. Filed Feb. 4, 1949. Published Apr. 10, 1951. Class 24—211. 2 sheets of drawings. 9 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The device consists of a removable anchoring device adapted for securing cargo tie-down lines to fixed supports. It comprises a hollow plug **1** adapted for removable reception within a socket member **6** which is secured to a base support. In the side walls of the plug are spaced a plurality of ball-shaped latching members **2** transversely movable with respect to the hollow plug and adapted to be projected beyond the side walls of the plug through openings **2'** therein for engagement with the socket member to hold the plug

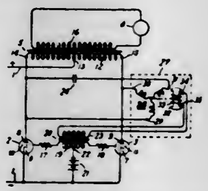
secured thereto. Within the hollow plug a plunger 3 is slidably mounted centrally of the plug and spring projected toward the outer end thereof by means of spring 16. The plunger is provided with shoulder means on its inner end to move the latching members into latched position and is also provided on its sides with rounded annular recesses 17 adapted to receive portions of the latching members when the plunger is pushed inwardly. A push button 3' is provided on the end of the plunger for pressing the plunger inwardly and is extended beyond the outer end of the plug in the projected position of the plunger. Also located outwardly of the plug in the projected position of the plunger and beneath the push button is an annular recess 18 for reception of a plunger latching spring clip 4 which will prevent inadvertent depression of the plunger. Adjacent the outer end of the plug a pivotally mounted load carrying loop member 5 is mounted in openings 9. Shoulder 7 limits the extent to which the plug may be inserted in the socket member and shoulder 8 limits the outward movement of the plunger.



To operate the device for latching, the push button 3' is depressed to force the plunger 3 inwardly to allow the latching members 2 to engage within the recesses 17. The plug is then inserted into the socket opening and the pressure on the push button 3' is released. The spring 16 will then urge the plunger outwardly and the shoulders at the inner end of the plunger will force the latching members 2 through the openings 2' into engagement with the socket member 6. The spring clip 4 is then inserted into the recess 18 to prevent further depression of the plunger.

To unlatch, the spring clip 4 is removed from the recess 18, the plunger 3 is pushed inwardly until the latching members 2 are retracted into recesses 17, and the plug is then ready to be removed by means of a pull on the bail 5.

97,060. **STATIC PHASE SHIFTING CIRCUITS.** Earl L. Phillipi, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed June 3, 1949. Published Apr. 10, 1951. Class 323—126. 1 sheet of drawings. 8 pages of specification.

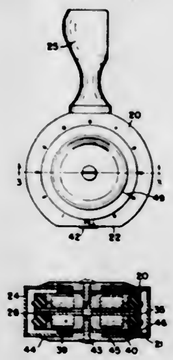


A static phase shifting circuit comprising an alternating current device of the dynamoelectric machine type having a multiphase primary winding and a secondary winding, the positions of said windings being relatively adjustable, means for supplying an alternating input voltage to said primary winding, a capacitive reactive element interposed between said input voltage and one phase winding of said primary winding to impress split-phase components of said input voltage on said primary winding to effect excitation thereof, a voltage constituting an output voltage of said circuit being induced in said secondary winding by said excitation, said output voltage being variable in phase relationship with respect to said input voltage in response to adjustments in the relative positions of said windings.

105,906. **POWDERED MAGNETIC CORE.** Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York. Filed July 20, 1949. Published Apr. 10, 1951. Class 18—47.5. No drawing. 4 pages of specification.

The application relates to the method of making magnetic cores which consists of mixing carbonyl iron particles with an alcoholic solution of rosin, drying said mixture by heating and stirring to evaporate the alcohol, thereby leaving a finely divided dry mixture of carbonyl iron and rosin, compressing said dry mixture to suitable core shapes, removing all pressure from the shaped cores, heating said cores to a temperature of approximately 160° centigrade, said temperature being sufficient to soften said rosin and develop its penetrating properties, whereby said rosin penetrates between the compressed particles to insulate one particle from another, and cooling said cores.

131,967. **HAND STAMPS.** Walter C. Aberth, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland. Filed Dec. 9, 1949. Published Apr. 10, 1951. Class 101—327. 1 sheet of drawings. 7 pages of specification.



A hand stamp which includes a casing 20, 21 and 24, a handle 25 and two rotatable type wheels, each having peripherally-mounted ink-impregnated resilient porous rubber type, said wheels being individually adjustable to bring a selected type of each to a printing station. Each type wheel has an internal ink well with ducts connecting it with the rear of each piece of type on the wheel to keep them saturated with ink. The type are held in a peripheral groove by cement applied to the sides of the type so the rear surface is free to absorb ink. Access is given to a well by a screw plug located in the bottom of the associated type groove.

DESIGNS

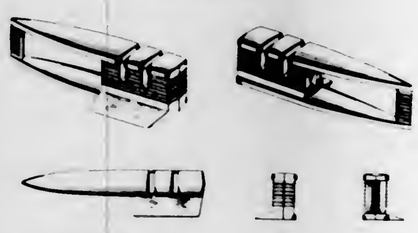
APRIL 10, 1951

162,767
COMBINATION CLOTHESLINE TIGHTENER AND JOINER
Jose Adams, Los Angeles, Calif.
Application October 8, 1949, Serial No. 5,375
Term of patent 3½ years
(Cl. D48—1)



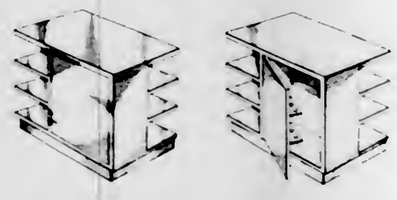
The ornamental design for a combination clothesline tightener and joiner, as shown.

162,768
HOUSING FOR KNIFE SHARPENERS
Alfred E. Anheuser, West Allis, Wis.
Application November 1, 1950, Serial No. 12,812
Term of patent 14 years
(Cl. D37—1)



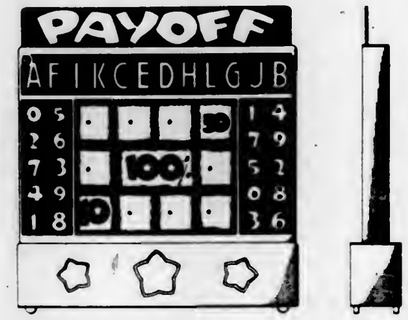
The ornamental design for a housing for knife sharpeners, as shown.

162,769
COMBINATION TABLE AND CABINET
Eric G. Arnell, Oakland, Calif.
Application January 3, 1950, Serial No. 6,977
Term of patent 7 years
(Cl. D33—19)



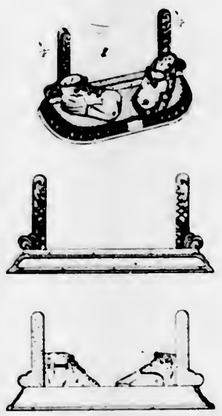
The ornamental design for a combination table and cabinet, substantially as shown.

162,770
GAME BOARD
Marvin Atlas, Eggertsville, N. Y., assignor to Caldwell Amusement Co., Inc., Buffalo, N. Y., a corporation of New York
Application July 15, 1950, Serial No. 11,220
Term of patent 7 years
(Cl. D34—5)



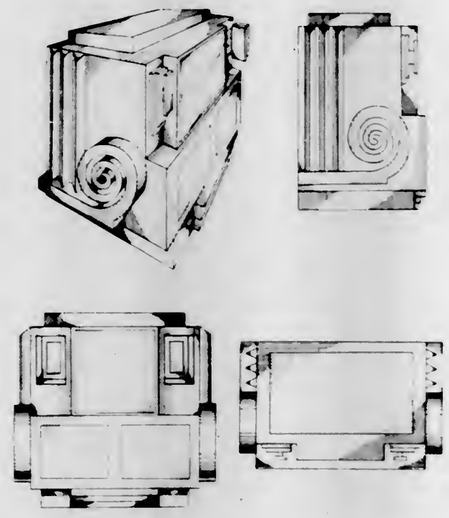
The ornamental design for a game board, substantially as shown.

162,771
PICTURE FRAME
Albert Babitz, Bayonne, N. J.
Application June 9, 1950, Serial No. 10,430
Term of patent 7 years
(Cl. D29—20)



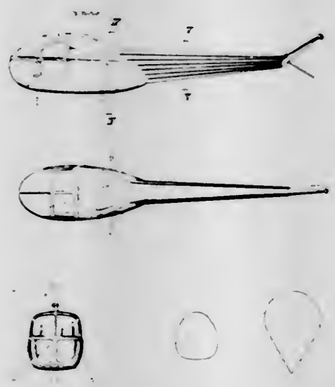
The ornamental design for a picture frame, as shown.

162,772
COMBINED TELEVISION, RADIO, AND PHONOGRAPH CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 21, 1948, Serial No. 145,886
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a combined television, radio, and phonograph cabinet or similar article, as shown and described.

162,773
HELICOPTER
Charles Barr, Tonawanda, and Thomas J. Harriman, Buffalo, N. Y., assignors to Bell Aircraft Corporation, Wheatfield, N. Y.
Application November 17, 1949, Serial No. 6,085
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a helicopter, as shown and described.

162,774
SOCK
Arsene Beauchemin, Montreal, Quebec, Canada
Application July 8, 1950, Serial No. 11,029
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a sock, as shown.

162,775
SOCK
Arsene Beauchemin, Montreal, Quebec, Canada
Application July 8, 1950, Serial No. 11,030
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a sock, as shown.

162,776
FISH LURE
Segurd B. Bekkala, Northville, Mich.
Application May 6, 1948, Serial No. 146,206
Term of patent 14 years
(Cl. D31—4)



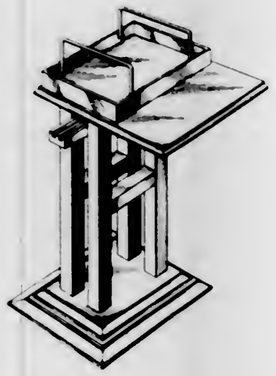
The ornamental design for a fish lure, as shown.

162,777
COMBINED KNIFE, SAW, AND FORK
Eugene J. Berger, New York, and Ernest Klein, Brooklyn, N. Y.
Application June 2, 1950, Serial No. 10,314
Term of patent 14 years
(Cl. D22—3)



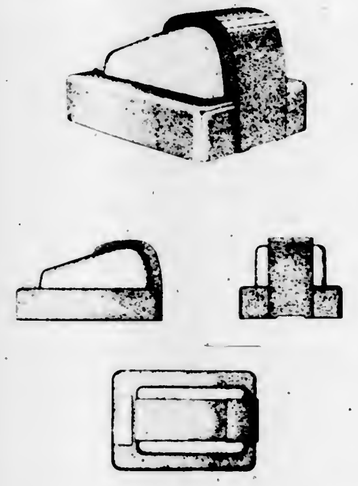
The ornamental design for a combined knife, saw and fork, substantially as shown and described.

162,778
TELEPHONE STAND
Charles C. Bloomfield, Sr., Baton Rouge, La.
Application January 31, 1950, Serial No. 7,607
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a telephone stand, substantially as shown and described.

162,779
CASH REGISTER
Robert E. Boyden and Holland H. Freeman, Los Angeles, Calif., assignors to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application November 12, 1947, Serial No. 142,498
Term of patent 14 years
(Cl. D64—11)



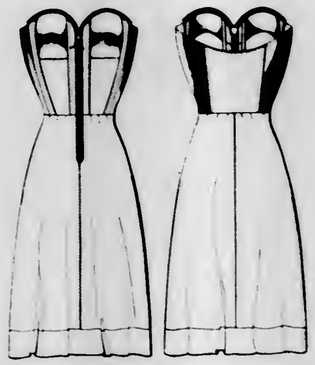
The ornamental design for a cash register, substantially as shown and described.

162,780
OFFICE MACHINE
Robert E. Boyden and Nadine T. Freeman, Los Angeles, Calif., assignors to Clary Multiplier Corporation, San Gabriel, Calif., a corporation of California
Application October 4, 1949, Serial No. 5,300
Term of patent 14 years
(Cl. D64—11)



The ornamental design for an office machine, substantially as shown and described.

162,781
BRA-TOP SLIP
Harvey Breitman, White Plains, N. Y., assignor to United Mills Corporation, a corporation of North Carolina
Application July 24, 1950, Serial No. 11,377
Term of patent 14 years
(Cl. D3—26)



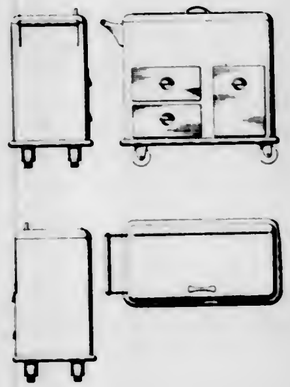
The ornamental design for a bra-top slip, as shown and described.

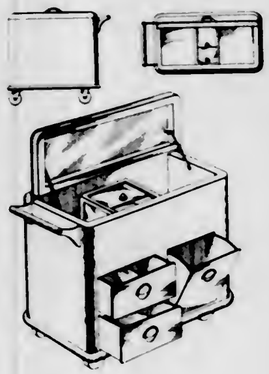
162,782
MOTION-PICTURE CAMERA
Jacques Jean Georges Gaston Broido, Carouge-Geneva, Switzerland
Application June 26, 1950, Serial No. 10,767
In Italy April 12, 1950
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a motion picture camera, substantially as shown and described.

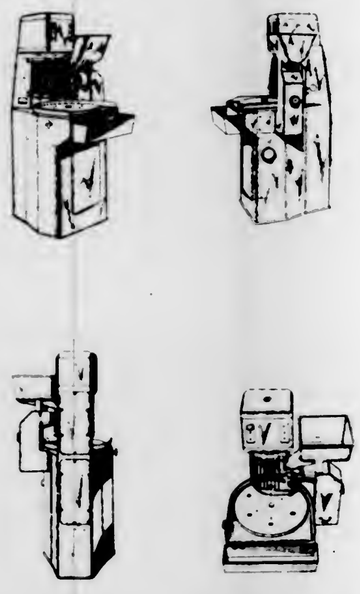
162,783
PORTABLE TONSORIAL CABINET
Leon Budny, Cheektowaga, and Edward F. Gornikiewicz, Buffalo, N. Y.
Application December 17, 1948, Serial No. 150,206
Term of patent 14 years
(Cl. D33—19)





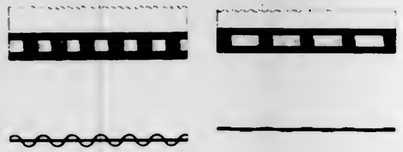
The ornamental design for a portable tonsorial cabinet, as shown.

162,784
PIE MOLDING AND FILLING MACHINE UNIT
Harold Burke, Birmingham, England, assignor to Concentric Manufacturing Company Limited, Birmingham, England
Application March 1, 1949, Serial No. 1,139
In Great Britain January 21, 1949
Term of patent 7 years
(Cl. D55—1)



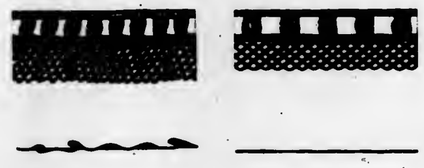
The ornamental design for a pie moulding and filling machine unit, as shown.

162,785
NARROW ELASTIC FABRIC
Conrad J. Busch, Wyomissing, Pa., assignor to Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application May 24, 1950, Serial No. 10,137
Term of patent 14 years
(Cl. D3—32)



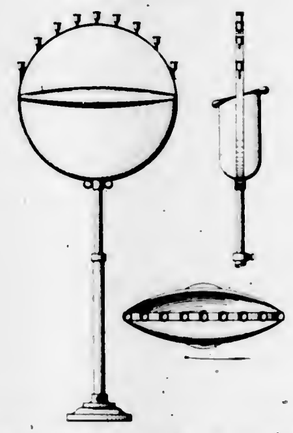
The ornamental design for a narrow elastic fabric, as shown and described.

162,786
NARROW ELASTIC FABRIC
Conrad J. Busch, Wyomissing, Pa., assignor to Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application October 28, 1950, Serial No. 12,765
Term of patent 14 years
(Cl. D3—32)



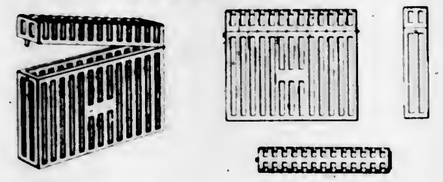
The ornamental design for a narrow elastic fabric, as shown and described.

162,787
COMBINED CANDELABRUM AND FLOWER HOLDER
Jeff David Bussey, Atlanta, Ga.
Application October 21, 1949, Serial No. 5,643
Term of patent 14 years
(Cl. D48—2)



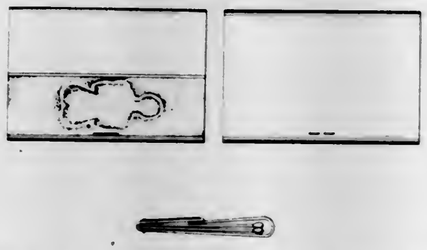
The ornamental design for a combined candelabrum and flower holder, substantially as shown.

162,788
CIGARETTE CASE
Romeo Capocci, Chicago, Ill.
Application September 23, 1950, Serial No. 12,326
Term of patent 7 years
(Cl. D85—2)



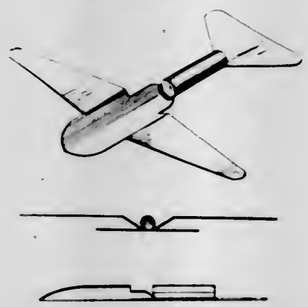
The ornamental design for a cigarette case, substantially as shown.

162,789
PAPER MATCH BOOK PACKAGE
John F. Carse, Omaha, Nebr.
Application June 26, 1950, Serial No. 10,762
Term of patent 14 years
(Cl. D48—28)



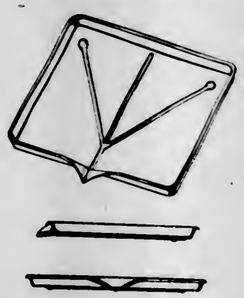
The ornamental design for a paper match book package, as shown.

162,790
AIRPLANE TOY
William D. Christman, Putnam Valley, N. Y.
Application October 11, 1949, Serial No. 5,421
Term of patent 3½ years
(Cl. D34—15)



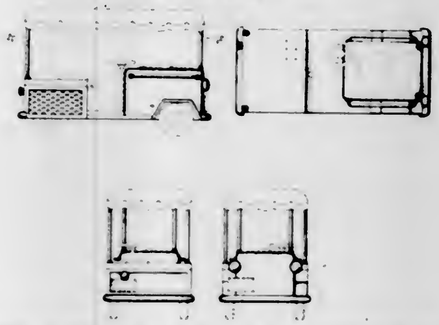
The ornamental design for an airplane toy, as shown.

162,791
DRAIN PAN
Mike Citero, Los Angeles, Calif.
Application May 19, 1949, Serial No. 2,745
Term of patent 14 years
(Cl. D44—29)



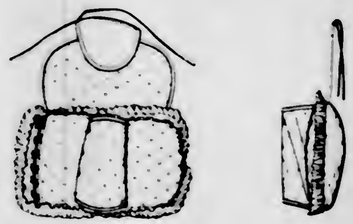
The ornamental design for a drain pan, as shown.

162,792
AUTOMOTIVE VEHICLE
Ellwood O. Compton, Los Angeles, Calif., assignor to Anthony Oberholtz, Los Angeles, Calif.
Application October 12, 1949, Serial No. 5,457
Term of patent 3½ years
Cl. D14—3)



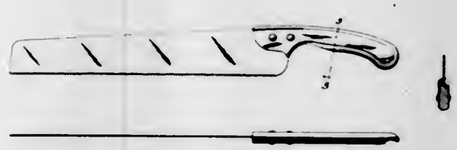
The ornamental design for an automotive vehicle, substantially as shown and described.

162,793
INFANT'S COMBINED BIB AND BOTTLE HOLDER
Herbert Daust, St. Louis, Mo.
Application August 16, 1950, Serial No. 11,781
Term of patent 14 years
(Cl. D3—26)



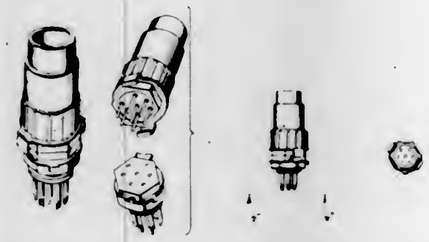
The ornamental design for an infant's combined bib and bottle holder, as shown.

162,794
HANDSAW
Bernard A. Derr, Columbus, Ohio, assignor to Larsan Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application October 8, 1949, Serial No. 5,384
Term of patent 14 years
(Cl. D93—4)



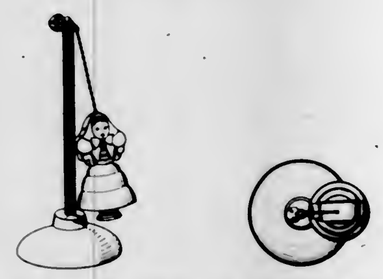
The ornamental design for a hand saw, substantially as shown.

162,795
ELECTRICAL CONNECTOR
Donald R. De Tar, Stratford, Conn., assignor, by mesne assignments, to Winchester Electronics, Incorporated, Glenbrook, Conn.
Application June 3, 1949, Serial No. 3,040
Term of patent 14 years
(Cl. D26—1)



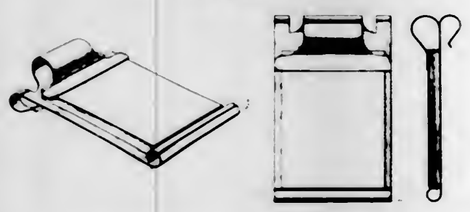
The ornamental design for an electrical connector, substantially as shown.

162,796
CHILD'S TOY
Walter Dorn, Seattle, Wash.
Application August 2, 1948, Serial No. 147,879
Term of patent 3½ years
(Cl. D34—15)



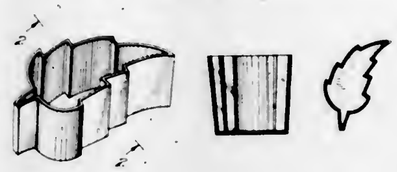
The ornamental design for a child's toy, as shown and described.

162,797
COMBINED PAD AND PENCIL HOLDER OR SIMILAR ARTICLE
George G. Dubinets and Richard C. Morris, Chicago, Ill.; said Dubinets assignor to said Morris
Application February 15, 1950, Serial No. 7,938
Term of patent 3½ years
(Cl. D74—1)



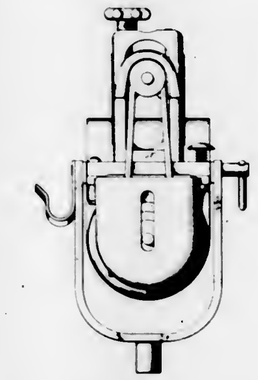
The ornamental design for a combined pad and pencil holder or similar article, substantially as shown and described.

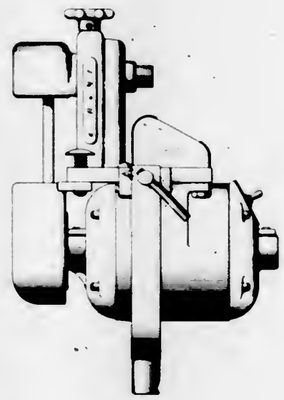
162,798
MOLD FOR ICE CUBE OR THE LIKE
Elizabeth Camp Ebbott, New York, N. Y.
Application March 17, 1950, Serial No. 8,585
Term of patent 3½ years
(Cl. D67—3)



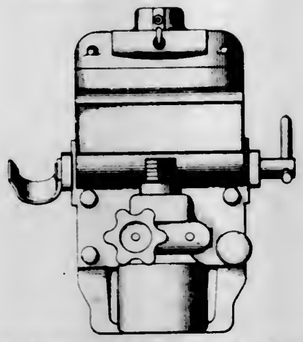
The ornamental design for a mold for ice cube or the like, substantially as shown.

162,799
FLEXIBLE SHAFT DRIVING HEAD
Winfred W. Elliott, Johnson City, N. Y., assignor, by mesne assignments, to Elliott Manufacturing Company, Binghamton, N. Y., a proprietorship
Application July 24, 1948, Serial No. 147,741
Term of patent 14 years
(Cl. D54—14)



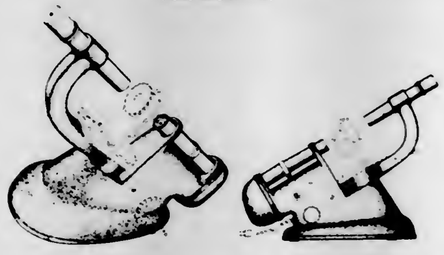


162,799—Continued



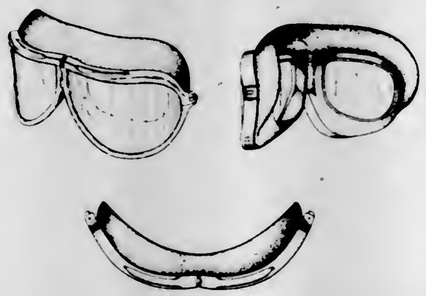
The ornamental design for a flexible shaft driving head, substantially as shown and described.

162,800
LENS TESTING INSTRUMENT
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 22, 1950, Serial No. 13,533
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a lens testing instrument, substantially as shown and described.

162,801
FRONT FOR GOGGLES
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 23, 1951, Serial No. 13,922
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a front for goggles, substantially as shown.

162,802
FACEPIECE FOR A GOGGLE OR THE LIKE
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 23, 1951, Serial No. 13,923
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a facepiece for a goggle or the like, substantially as shown and described.

162,803
PAIR OF SUNGLASSES
Natalie de L. Feins, Beverly Hills, Calif.
Application April 27, 1949, Serial No. 2,285
Term of patent 3½ years
(Cl. D57—1)



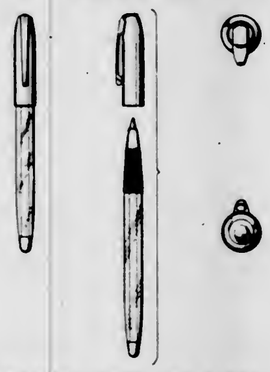
The ornamental design for pair of sunglasses, substantially as shown and described.

162,804
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,037
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

162,805
BALL POINT PEN
Fred Ferber, Englewood, N. J., assignor to Ferber Corporation, Englewood, N. J., a corporation of New Jersey
Application February 3, 1950, Serial No. 7,687
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a ball point pen, substantially as shown and described.

162,806
COMBINED STRING AND SPOON HOLDER
James H. Fuller, Barberton, Ohio, assignor to Coventry Ware, Inc., Barberton, Ohio, a corporation of Ohio
Application March 28, 1950, Serial No. 8,828
Term of patent 7 years
(Cl. D44—30)



The ornamental design for a combined string and spoon holder, as shown.

162,807
STOCKING
Allen Erwin Gant, Glen Raven, N. C.
Application July 31, 1950, Serial No. 11,497
Term of patent 3½ years
(Cl. D47—7)



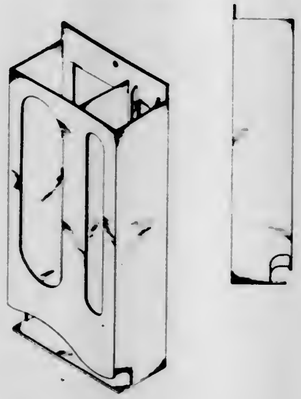
The ornamental design for a stocking, as shown.

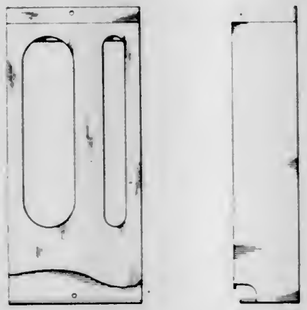
162,808
STOCKING
Allen Erwin Gant, Glen Raven, N. C.
Application July 31, 1950, Serial No. 11,498
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

162,809
ARTICLE DISPENSING CABINET OR THE LIKE
Fred N. Gay, near Seattle, Wash.
Application December 3, 1948, Serial No. 149,935
Term of patent 14 years
(Cl. D80—11)







The ornamental design for an article dispensing cabinet or the like, as shown.

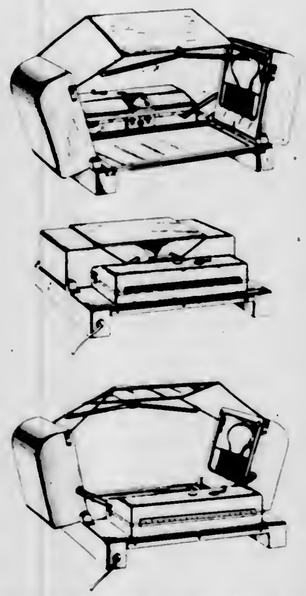
162,810
PICTURE FRAME OR SIMILAR ARTICLE
George Glass, Brookline, Mass., assignor to Display Advertising Corporation, Boston, Mass., a corporation of Massachusetts
Application August 11, 1948, Serial No. 148,043
Term of patent 3½ years
(Cl. D29—20)



The ornamental design for a picture frame or similar article, as shown and described.

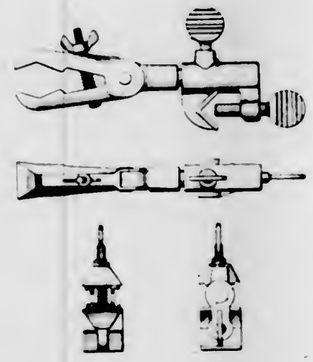
162,811
PHOTOGRAPHIC COPYING APPARATUS
Emanuel Goldberg, Tel-Aviv, Israel
Application June 1, 1950, Serial No. 10,301
Term of patent 14 years
(Cl. D61—1)





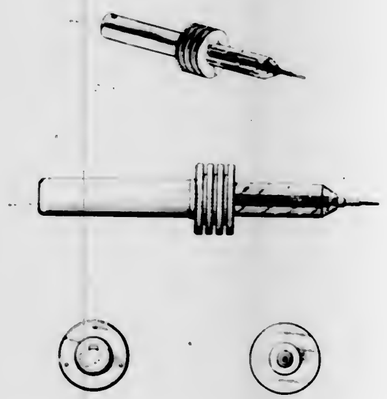
The ornamental design for a photographic copying apparatus, as shown.

162,812
LABORATORY CLAMP
Maynard E. Goldberg, Elmwood Park, Ill., assignor to Laboratory Industries, Inc., Elmwood Park, Ill., a corporation of Illinois
Application August 3, 1950, Serial No. 11,586
Term of patent 14 years
(Cl. D54—11)



The ornamental design for a laboratory clamp, as shown.

162,813
ELECTRICAL TEST PROBE
Gerald N. Goldberger, Flushing, and Victor I. Robinson, Far Rockaway, N. Y., assignors to Precision Apparatus Co., Inc., Elmhurst, N. Y., a corporation of New York
Application September 27, 1949, Serial No. 5,194
Term of patent 14 years
(Cl. D26—1)



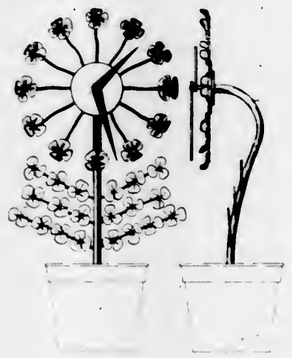
The ornamental design for an electrical test probe, as shown and described.

162,814
CLOCK OR SIMILAR ARTICLE
Hervé H. Goldner, New York, N. Y.
Application July 10, 1950, Serial No. 11,043
Term of patent 7 years
(Cl. D42—7)



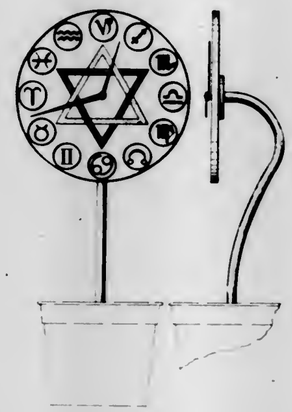
The ornamental design for a clock or similar article, substantially as shown and described.

162,815
CLOCK OR SIMILAR ARTICLE
Hervé H. Goldner, New York, N. Y.
Application July 10, 1950, Serial No. 11,044
Term of patent 7 years
(Cl. D42—7)



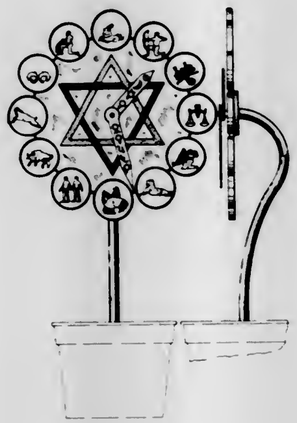
The ornamental design for a clock or similar article, substantially as shown and described.

162,816
CLOCK OR SIMILAR ARTICLE
Hervé H. Goldner, New York, N. Y.
Application July 10, 1950, Serial No. 11,045
Term of patent 7 years
(Cl. D42—7)



The ornamental design for a clock or similar article, substantially as shown and described.

162,817
CLOCK OR SIMILAR ARTICLE
Hervé H. Goldner, New York, N. Y.
Application July 10, 1950, Serial No. 11,046
Term of patent 7 years
(Cl. D42—7)



The ornamental design for a clock or similar article, substantially as shown and described.

162,818
RUBBER BOOT FOR DOLLS
Emil Gottschalk, New York, N. Y.
Application April 12, 1950, Serial No. 9,155
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a rubber boot for dolls, substantially as shown and described.

162,819
STOCKING
Lawrence W. Gottschalck, New York, N. Y.
Application July 6, 1950, Serial No. 10,980
Term of patent 14 years
(Cl. D47—7)



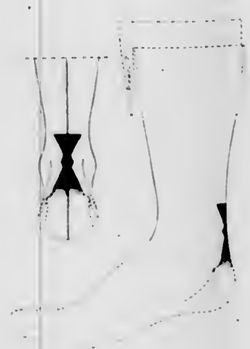
The ornamental design for a stocking, substantially as shown and described.

162,820
STOCKING
Lawrence W. Gottschalck, New York, N. Y.
Application July 6, 1950, Serial No. 10,981
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

162,821
STOCKING
Lawrence W. Gottschalck, New York, N. Y.
Application July 6, 1950, Serial No. 10,982
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

162,822
STOCKING
Lawrence W. Gottschalck, New York, N. Y
Application July 6, 1950, Serial No. 10,983
Term of patent 14 years
(Cl. D47—7)



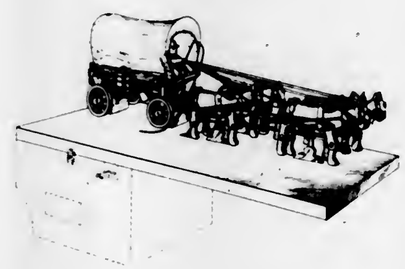
The ornamental design for a stocking, substantially as shown and described.

162,823
STOCKING
Lawrence W. Gottschalck, New York, N. Y.
Application July 6, 1950, Serial No. 10,984
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

162,824
AMUSEMENT DEVICE
Vallie Hammer, Bell Gardens, Calif.
Application December 18, 1948, Serial No. 150,227
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for an amusement device, substantially as shown and described.

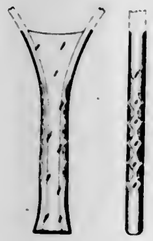
162,825
TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application April 18, 1950, Serial No. 9,296
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown and described.

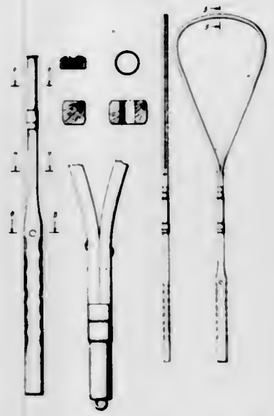
162,826
DIP NET OR SIMILAR ARTICLE
James W. Harvey, Lakeville, Conn.
Application March 5, 1949, Serial No. 1,231
Term of patent 14 years
(Cl. D31—4)





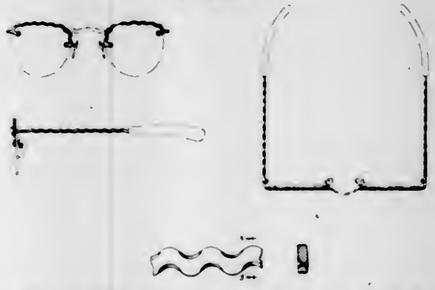
The ornamental design for a dip net or similar article, as shown and described.

162,827
DIP NET FRAME
James W. Harvey, Lakeville, Conn.
Application March 2, 1950, Serial No. 8,281
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a dip net frame, as shown.

162,828
PAIR OF SPECTACLES OR SIMILAR ARTICLE
Irving Hirschman, Brooklyn, N. Y.
Application May 10, 1949, Serial No. 2,559
Term of patent 14 years
(Cl. D57—1)



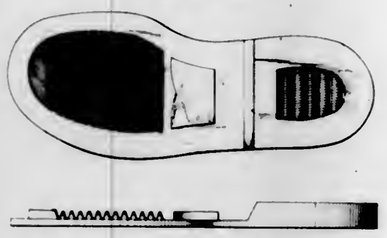
The ornamental design for a pair of spectacles or similar article, substantially as shown and described.

162,829
HELMET RADIO RECEIVER
Victor T. Hoeflich, Bronx, N. Y.
Application April 26, 1949, Serial No. 2,259
Term of patent 7 years
(Cl. D56—4)



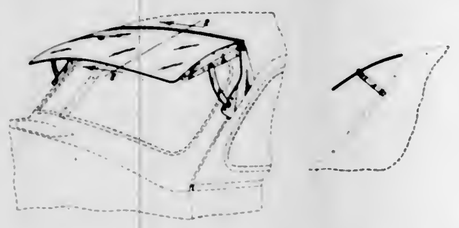
The ornamental design for a helmet radio receiver, substantially as shown.

162,830
SHOE SOLE
Isidor Hoffenberg, Milford, Conn., assignor to A. Werman & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application January 10, 1951, Serial No. 13,729
Term of patent 14 years
(Cl. D7—5)



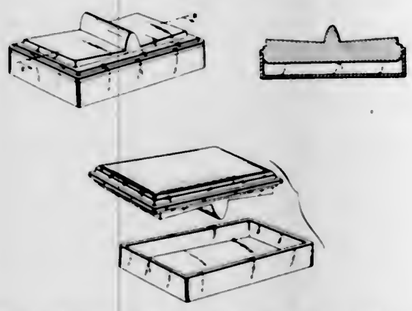
The ornamental design for a shoe sole, substantially as shown.

162,831
AUTOMOBILE SUN VISOR
Russell C. Huntoon, San Diego, Calif.
Application November 12, 1947, Serial No. 142,455
Term of patent 3½ years
(Cl. D14—6)



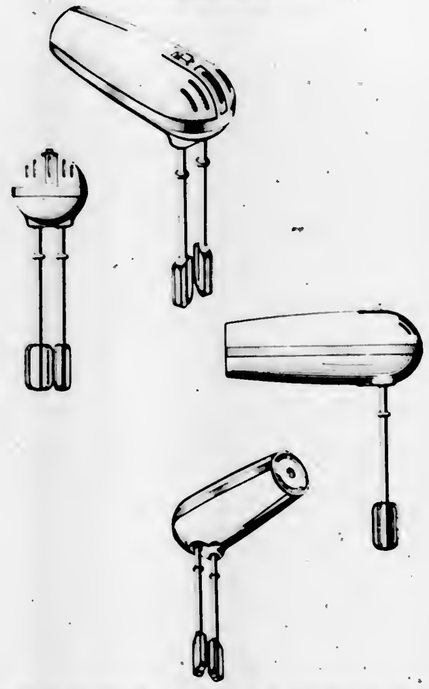
The ornamental design for an automobile sun visor, as shown and described.

162,832
CONTAINER FOR PLAYING CARDS
Jacob E. Hurwitz, Brooklyn, N. Y.
Application December 13, 1950, Serial No. 13,410
Term of patent 14 years
(Cl. D34—13)



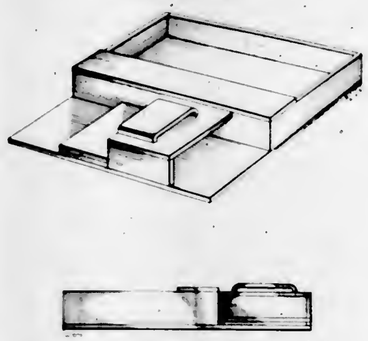
The ornamental design for a container for playing cards, substantially as shown and described.

162,833
HOUSEHOLD MIXER
Alfonso Iannelli, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application November 22, 1950, Serial No. 13,099
Term of patent 14 years
(Cl. D44—8)



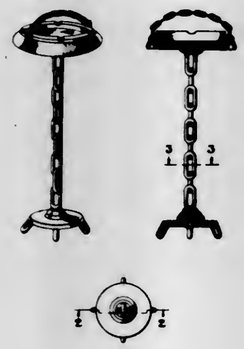
The ornamental design for a household mixer, as shown.

162,834
RECEPTACLE FOR ATTACHMENT TO VEHICLE SUN VISORS
Anton C. Janeshutz, Caracas, Venezuela
Application February 27, 1950, Serial No. 8,178
Term of patent 7 years
(Cl. D14—6)



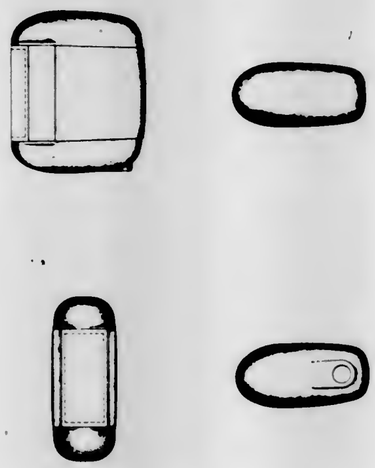
The ornamental design for a receptacle for attachment to vehicle sun visors, as shown and described.

162,835
SMOKING STAND
John P. Jansma, Broadview, Mont.
Application May 22, 1950, Serial No. 10,092
Term of patent 14 years
(Cl. D85—2)



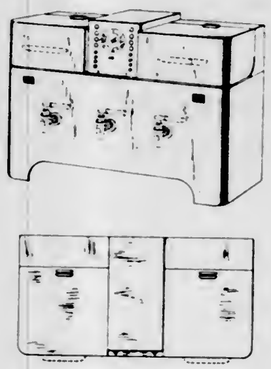
The ornamental design for a smoking stand, substantially as shown.

162,836
CASING FOR AN ELECTRIC SHAVER
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application March 13, 1950, Serial No. 8,497
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a casing for an electric shaver, substantially as shown.

162,837
AUTOMATIC COFFEE MAKER
Carlton H. Johns, Downers Grove, and Kenneth R. McKee, Chicago, Ill., assignors to American Name Plate & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 26, 1950, Serial No. 10,218
Term of patent 14 years
(Cl. D44—26)



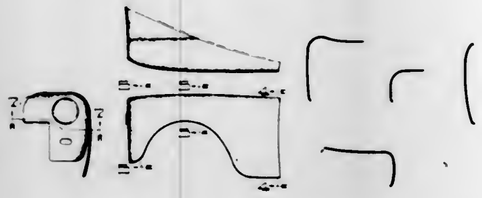
The ornamental design for an automatic coffee maker, substantially as shown and described.

162,838
GREETING CARD OR THE LIKE
Eugenie J. Jones, Webster Groves, Mo.
Application January 3, 1950, Serial No. 6,970
Term of patent 14 years
(Cl. D59—2)



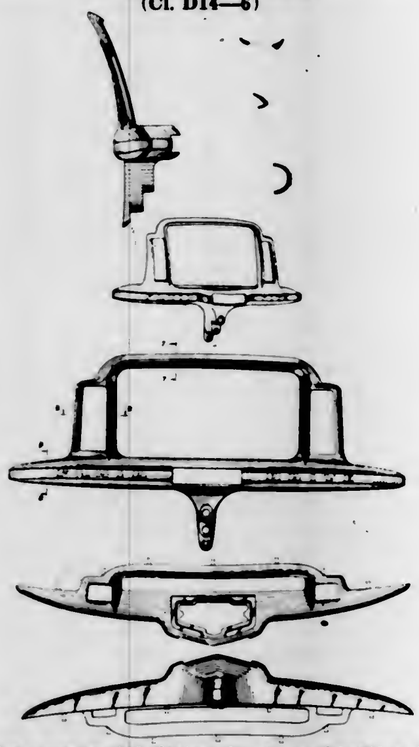
The ornamental design for a greeting card, or the like, substantially as shown and described.

162,839
AUTOMOBILE FENDER
Aloysius J. Kaminski, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 13, 1949, Serial No. 4,467
Term of patent 7 years
(Cl. D14—6)



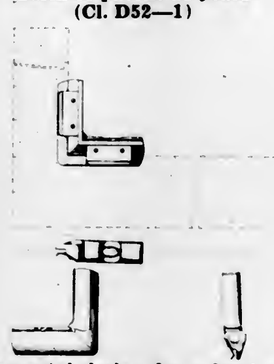
The ornamental design for an automobile fender, substantially as shown and described.

162,840
COMBINATION LICENSE PLATE HOLDER AND SIGNAL LIGHT HOUSING
Kaufman T. Keller, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 13, 1949, Serial No. 4,485
Term of patent 7 years
(Cl. D14—6)



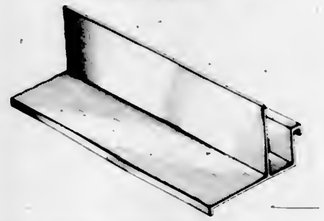
The ornamental design for a combination license plate holder and signal light housing, substantially as shown and described.

162,841
LEVEL AND PLUMB ATTACHMENT FOR CARPENTERS' SQUARES
Theodore T. King, Pampa, Tex., assignor of fifty per cent to Corydon Winfield Hill, Pampa, Tex.
Application December 12, 1950, Serial No. 13,390
Term of patent 14 years
(Cl. D52—1)



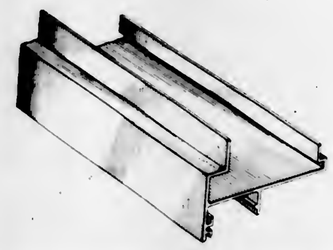
The ornamental design for a level and plumb attachment for carpenters' squares, as shown and described.

162,842
DRIP CAP
Robert L. Klein, Rochelle Park, N. J.
Application September 1, 1950, Serial No. 12,014
Term of patent 14 years
(Cl. D54—2)



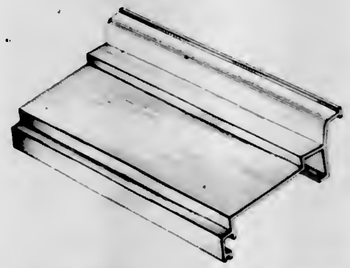
The ornamental design for a drip cap, as shown.

162,843
WINDOW HEAD
Robert L. Klein, Rochelle Park, N. J.
Application September 1, 1950, Serial No. 12,017
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a window head, as shown.

162,844
WINDOW SILL
Robert L. Klein, Rochelle Park, N. J.
Application September 1, 1950, Serial No. 12,018
Term of patent 14 years
(Cl. D54—2)



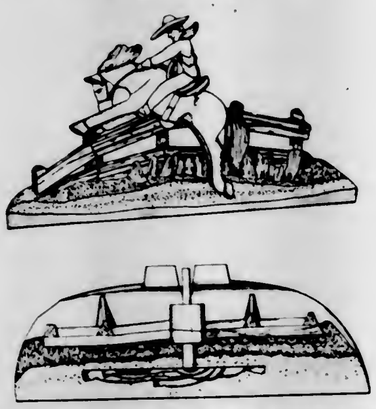
The ornamental design for a window sill, as shown.

162,845
POCKET BOOK
Leo Kohn, New York, N. Y., assignor to Morris Moskowitz Corporation, New York, N. Y., a corporation of New York
Application August 23, 1950, Serial No. 11,887
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a pocketbook, as shown and described.

162,846
CLOCK PENDULUM OR SIMILAR ARTICLE
Alan E. Koplar, Chicago, Ill.
Application January 28, 1950, Serial No. 7,542
Term of patent 7 years
(Cl. D42—10)



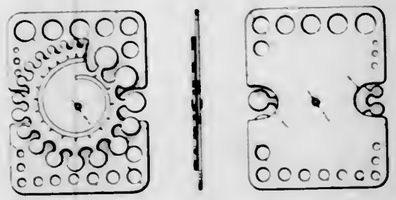
The ornamental design for a clock pendulum or similar article, as shown.

162,847
RADIO CABINET
Ray Kronsberg, Los Angeles, Calif.
Application March 25, 1948, Serial No. 145,335
Term of patent 3½ years
(Cl. D56—4)



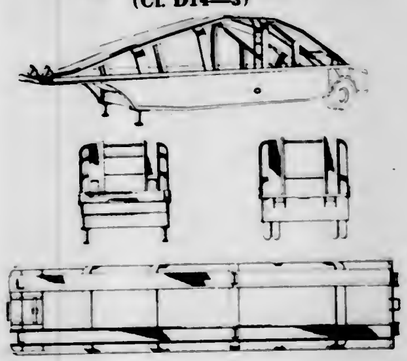
The ornamental design for a radio cabinet, as shown and described.

162,848
GAUGE FOR PRECIOUS STONES
William H. Lehrfeld, Freeport, N. Y.
Application February 1, 1950, Serial No. 7,622
Term of patent 14 years
(Cl. D52—1)

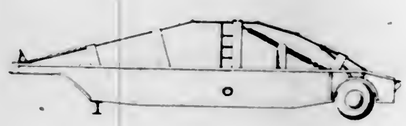


The ornamental design for a gauge for precious stones, as shown.

162,849
TRUCK CARRYING TRAILER
Milford W. Lempke, Buffalo, Alfred J. Gentile, Cheektowaga, and John J. Johnson, Buffalo, N. Y., assignors to Delavan Welding Company, Inc., Buffalo, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 4,005
Term of patent 14 years
(Cl. D14—3)

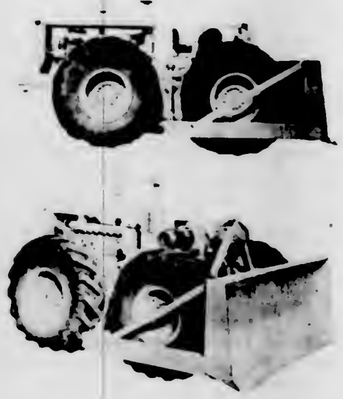


162,849—Continued



The ornamental design for a truck carrying trailer, as shown and described.

162,850
BULLDOZER
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 13, 1948, Serial No. 144,460
Term of patent 14 years
(Cl. D14—3)





162,850—Continued



The ornamental design for a bulldozer, as shown.

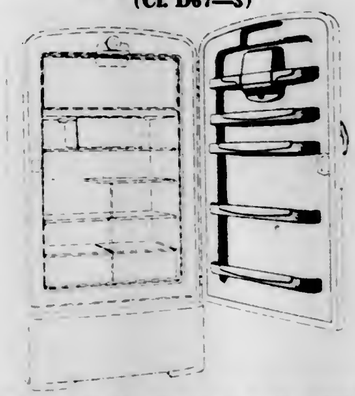
162,851
REFRIGERATOR CABINET
John McLeod Little, Toledo, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application January 12, 1951, Serial No. 13,771
Term of patent 14 years
(Cl. D67—3)





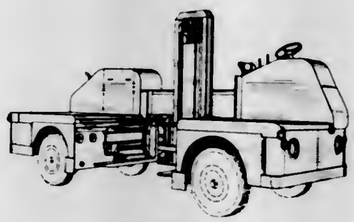
The ornamental design for a refrigerator cabinet, substantially as shown and described.

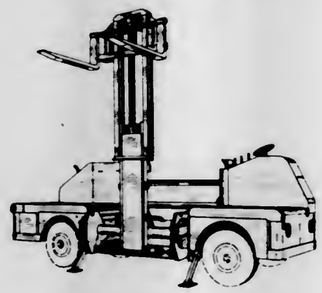
162,852
REFRIGERATOR CABINET
John McLeod Little, Toledo, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application January 12, 1951, Serial No. 13,772
Term of patent 14 years
(Cl. D67—3)

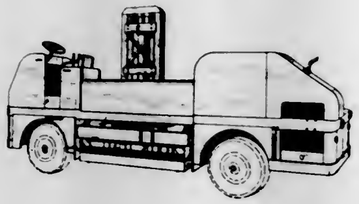


The ornamental design for a refrigerator cabinet, substantially as shown and described.

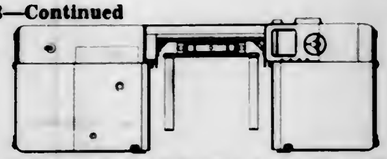
162,853
SELF-PROPELLED LOADER
Le Grand H. Lull, Minneapolis, Minn.
Application April 3, 1950, Serial No. 8,942
Term of patent 14 years
(Cl. D14—3)





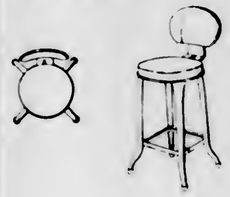


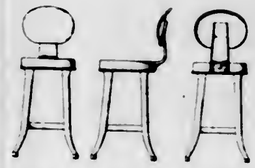
162,853—Continued



The ornamental design for a self-propelled loader, as shown and described.

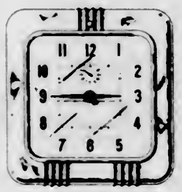
162,854
UTILITY STOOL
Maurice C. Lumley, Cincinnati, Ohio, assignor to The F. H. Lawson Company, Cincinnati, Ohio, a corporation of Ohio
Application June 4, 1949, Serial No. 3,852
Term of patent 14 years
(Cl. D15—8)





The ornamental design for a utility stool, as shown.

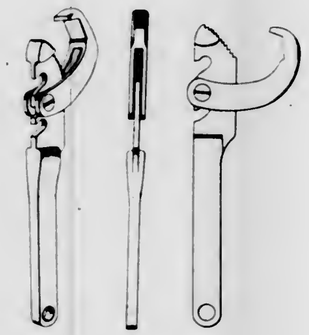
162,855
ALARM CLOCK
Frederick Lux, Middlebury, Conn.
Application March 9, 1950, Serial No. 8,436
Term of patent 14 years
(Cl. D42—7)





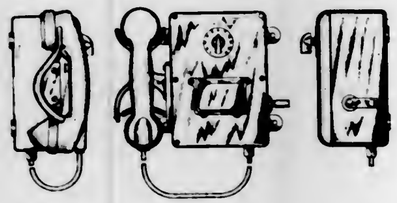
The ornamental design for an alarm clock, as shown.

162,856
ADJUSTABLE WRENCH
Edward Matthews, Denver, Colo., assignor of one-half to Joseph H. Conway, Denver, Colo.
Application June 29, 1949, Serial No. 3,609
Term of patent 14 years
(Cl. D54—16)



The ornamental design for an adjustable wrench, as shown.

162,857
SELECTIVE RINGING TELEPHONE UNIT
Thomas J. McCann, New York, N. Y., assignor to Hose McCann Telephone Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 11, 1950, Serial No. 9,147
Term of patent 14 years
(Cl. D26—14)



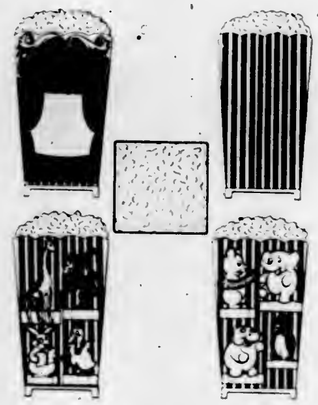
The ornamental design for a selective ringing telephone unit, substantially as shown and described.

162,858
NAIL POLISH BOTTLE HOLDER
Arthur E. McGlinchey, New York, N. Y., assignor to Gordon B. Taylor, Kearney, N. J., and Charles H. Boenig, Johnson, Vt.
Application May 7, 1949, Serial No. 2,522
Term of patent 3½ years
(Cl. D86—10)



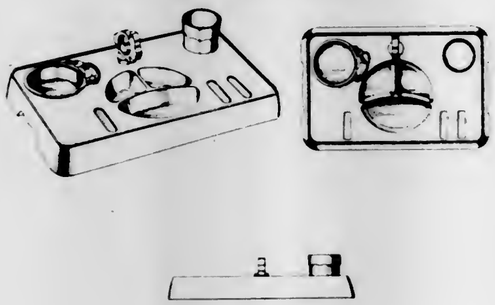
The ornamental design for a nail polish bottle holder, substantially as shown.

162,859
ADVERTISING DISPLAY DEVICE
Athanasios K. Mellos, Los Angeles, Calif.
Application May 16, 1950, Serial No. 9,969
Term of patent 7 years
(Cl. D1—2)



The ornamental design for an advertising display device, as shown.

162,860
CHILDREN'S FEEDING TRAY
Norman J. Mercer, Brooklyn, N. Y.
Application October 21, 1946, Serial No. 134,121
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a children's feeding tray, substantially as shown.

162,861
PULL MEMBER FOR ROLLER CURTAINS OR THE LIKE
Dayton J. Morehouse, Springfield, Mass.
Application August 24, 1949, Serial No. 4,672
Term of patent 7 years
(Cl. D10—8)



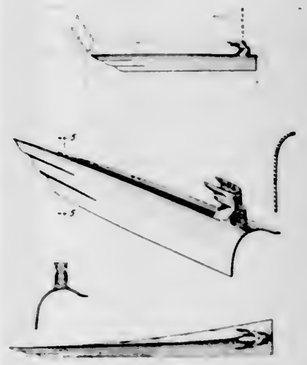
The ornamental design for a pull member for roller curtains or the like, as shown.

162,862
NOSE SYRINGE
Lloyd P. Morton, Great Falls, Mont.
Application April 26, 1949, Serial No. 2,277
Term of patent 3½ years
(Cl. D81—1)



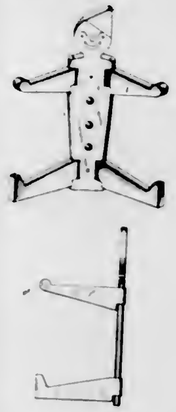
The ornamental design for a nose syringe, as shown.

162,863
COMBINED FENDER ORNAMENT AND SIGNAL LIGHT
Robert Moss, Jr., Detroit, Mich.
Application October 27, 1949, Serial No. 5,741
Term of patent 14 years
(Cl. D14—18)



The ornamental design for a combined fender ornament and signal light, substantially as shown and described.

162,864
TOWEL RACK
Herman Nielsen, Tuckahoe, N. Y., and Gilbert Forrester, West Brooksville, Maine
Application January 12, 1950, Serial No. 7,187
Term of patent 7 years
(Cl. D33—16)



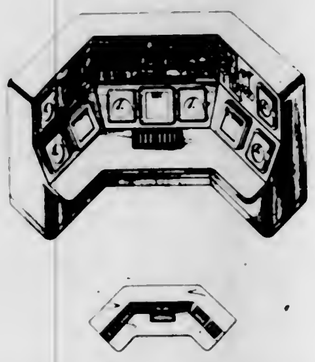
The ornamental design for a towel rack, as shown and described.

162,865
CHAIR
Fred W. Niemann, Chicago, Ill.
Application November 15, 1949, Serial No. 6,041
Term of patent 3½ years
(Cl. D15—1)



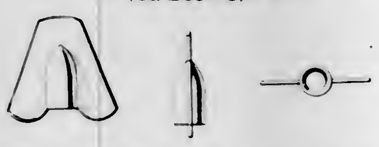
The ornamental design for a chair, as shown.

162,866
CONSOLE INSTRUMENT BOARD
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application March 11, 1950, Serial No. 8,486
Term of patent 7 years
(Cl. D26—5)



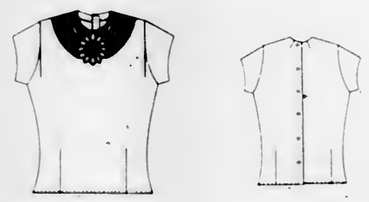
The ornamental design for a console instrument board, as shown and described.

162,867
COMBINED SCREW DRIVER AND CAP
Irvin A. Olson, Anacortes, Wash.
Application May 8, 1950, Serial No. 9,802
Term of patent 14 years
(Cl. D93—4)



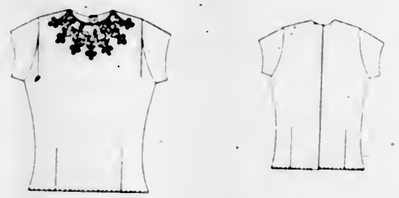
The ornamental design for a combined screw driver and cap, as shown.

162,868
BLOUSE
Jack Orloff, New York, N. Y.
Application February 16, 1951, Serial No. 14,241
Term of patent 3½ years
(Cl. D3—25)



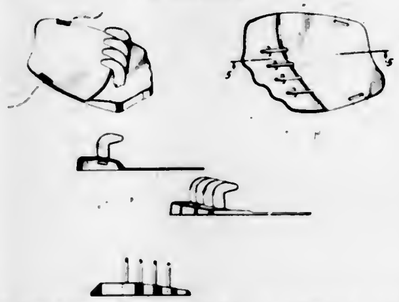
The ornamental design for a blouse, substantially as shown.

162,869
BLOUSE
Jack Orloff, New York, N. Y.
Application February 16, 1951, Serial No. 14,242
Term of patent 3½ years
(Cl. D3—25)



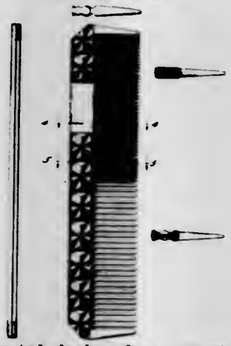
The ornamental design for a blouse, substantially as shown.

162,870
PEDICURE APPARATUS OR SIMILAR ARTICLE
Woodrow W. Pearce, Los Angeles, Calif.
Application February 7, 1950, Serial No. 7,778
Term of patent 14 years
(Cl. D86—10)



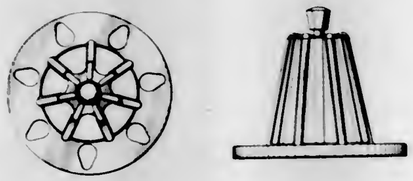
The ornamental design for a pedicure apparatus or similar article, as shown and described.

162,871
COMB OR SIMILAR ARTICLE
Earl R. Person, Leominster, Mass., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application June 3, 1950, Serial No. 10,337
Term of patent 7 years
(Cl. D86—8)



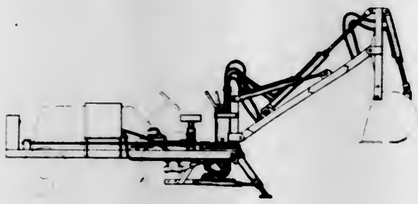
The ornamental design for a comb or a similar article, substantially as shown.

162,872
PIPE RACK
Harold C. Pierce, Leominster, Mass.
Substituted for design application Serial No. 140,513, July 25, 1947. This application March 22, 1950, Serial No. 8,704
Term of patent 7 years
(Cl. D85—8)

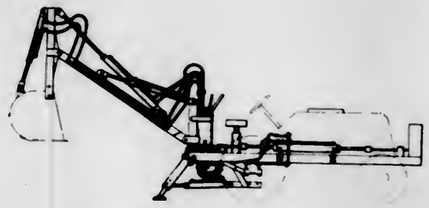


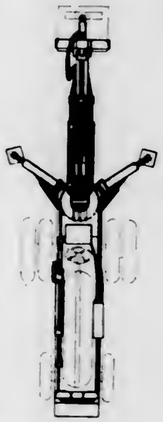
The ornamental design for a pipe rack, as shown.

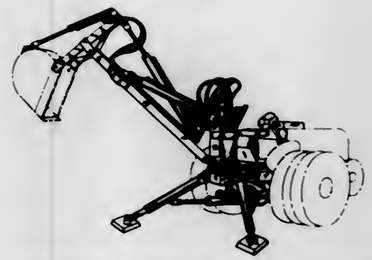
162,873
HYDRAULIC TRENCHER
John S. Pilch, Ware, Mass.
Application December 14, 1949, Serial No. 6,602
Term of patent 14 years
(Cl. D14—3)



162,873—Continued

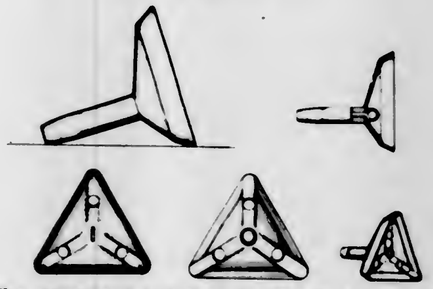






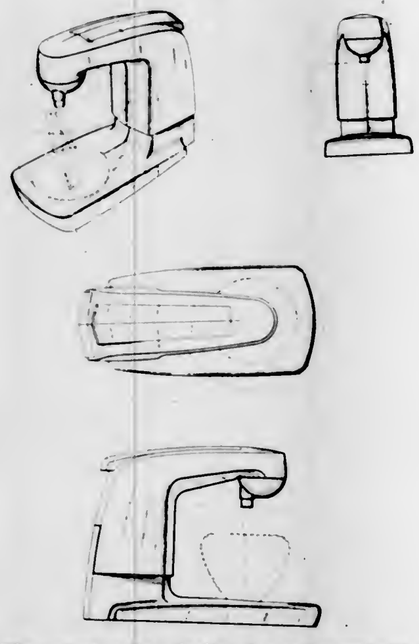
The ornamental design for a hydraulic trencher, substantially as shown and described.

162,874
SEA ANCHOR
Paul W. Polens, La Jolla, Calif.
Application August 3, 1949, Serial No. 4,278
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a sea anchor, as shown.

162,875
HOUSEHOLD FOOD MIXER
John N. Polivka, George T. Scharfenberg, and Vernold M. Butterfield, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application January 3, 1950, Serial No. 6,988
Term of patent 14 years
(Cl. D44—8)



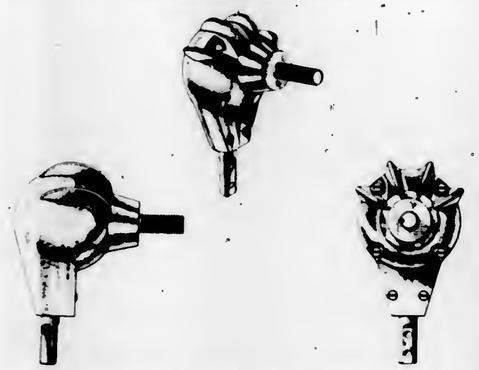
The ornamental design for a household food mixer, as shown and described.

162,876
TEXTILE FABRIC
Henry A. Portong, Manhasset, N. Y.
Application August 11, 1950, Serial No. 11,726
Term of patent 3½ years
(Cl. D92—1)



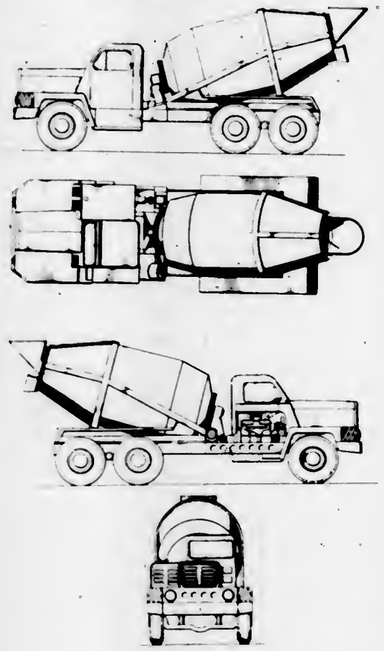
The ornamental design for a textile fabric, substantially as shown and described.

162,877
ANGLE HEAD FOR ROTARY TOOLS
Julious A. Price, Castro Valley, and John D. Rutzebeck, Hayward, Calif.
Application September 15, 1950, Serial No. 12,194
Term of patent 14 years
(Cl. D54—13)



The ornamental design for an angle head for rotary tools, substantially as shown.

162,878
TRUCK MIXER
Evan S. Prichard, La Canada, Calif., assignor to Cook Bros. Equipment Co., Los Angeles, Calif., a corporation of California
Application May 1, 1950, Serial No. 9,620
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a truck mixer, as shown.

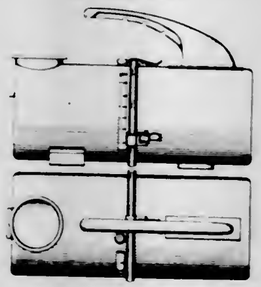
162,879
CLOCKCASE OR SIMILAR ARTICLE
Joseph F. Punzak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 9, 1950, Serial No. 11,698
Term of patent 7 years
(Cl. D42—7)





The ornamental design for a clockcase or similar article, as shown.

162,880
SUSPENDED MILKER
Emanuel Rawson, Chicago, Ill.
Application June 20, 1949, Serial No. 3,406
Term of patent 14 years
(Cl. D23—1)





The ornamental design for a suspended milker, substantially as shown and described.

162,881
DRY CLEANERS' SPOT REMOVING DEVICE
Charles E. Richardson, South Gate, Calif.
Application September 30, 1949, Serial No. 5,235
Term of patent 7 years
(Cl. D9—2)







The ornamental design for a dry cleaners' spot removing device, substantially as shown and described.

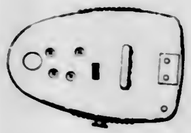
162,882
TRANSDUCER HOUSING
Horace Vincent Rodgers-Bannister, London, England, assignor to Modern Telephones Corporation, New York, N. Y.
Application November 9, 1950, Serial No. 12,916
In Great Britain June 16, 1950
Term of patent 7 years
(Cl. D26—14)





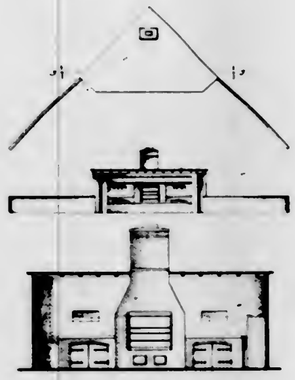






The ornamental design for a transducer housing, substantially as shown.

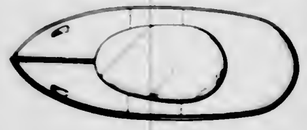
162,883
REFRESHMENT STAND
Peter J. Rollo, Matawan, N. J.
Application January 12, 1950, Serial No. 7,188
Term of patent 14 years
(Cl. D13—1)

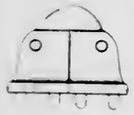


The ornamental design for a refreshment stand, as shown.

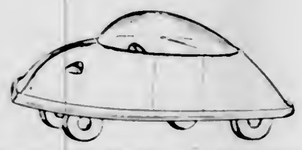
162,884
AUTOMOBILE
Adolph Ronning, Minneapolis, Minn.
Application April 22, 1948, Serial No. 145,898
Term of patent 14 years
(Cl. D14—3)





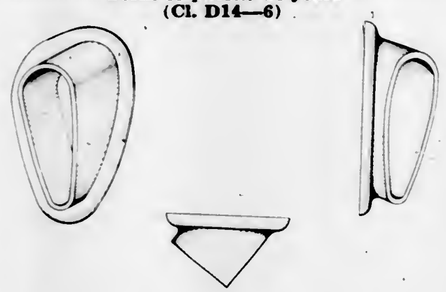






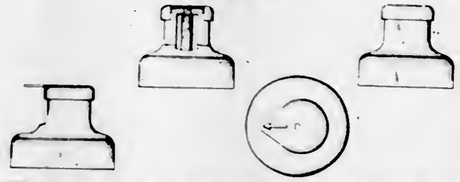
The ornamental design for an automobile, as shown.

162,885
HOOD VENTILATOR
Linus E. Russell, Springfield, Ohio, assignor to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application August 29, 1949, Serial No. 4,747
Term of patent 14 years
(Cl. D14—6)



The ornamental design for a hood ventilator, substantially as shown.

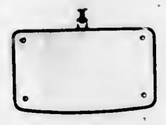
162,886
SPRAY HEAD FOR AEROSOL DISPENSERS
G. Rudolph Saacke, Brooklyn, N. Y., assignor to Theodore Heilig, Long Beach, N. Y.
Application January 7, 1949, Serial No. 114
Term of patent 7 years
(Cl. D62—2)



The ornamental design for a spray head for aerosol dispensers, substantially as shown.

162,887
ELECTRIC BROILER
Harry Sado, New York, N. Y.
Application April 21, 1950, Serial No. 9,400
Term of patent 14 years
(Cl. D81—10)





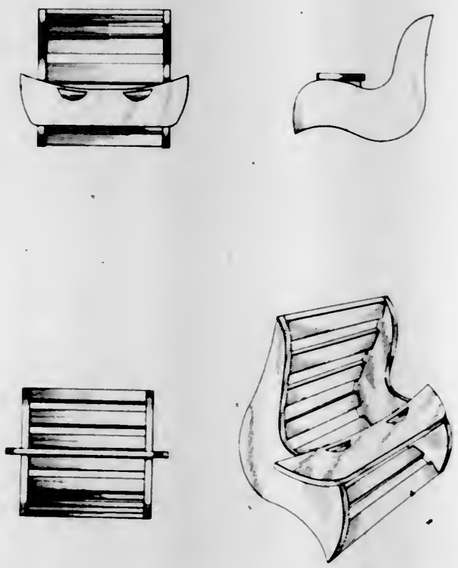
The ornamental design for an electric broiler, substantially as shown.

162,888
DRESSING TRAY OR SIMILAR ARTICLE
Harry O. Sandberg, Boston, Mass.
Application February 15, 1950, Serial No. 7,945
Term of patent 7 years
(Cl. D86—10)



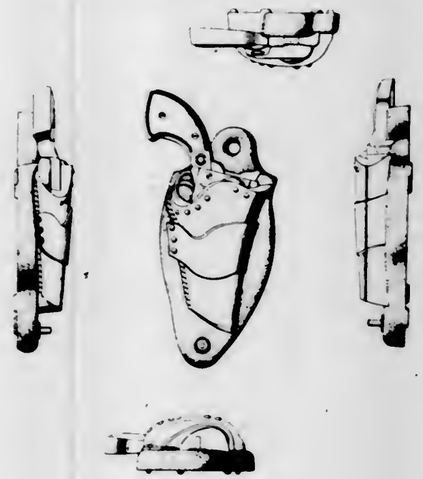
The ornamental design for a dressing tray or similar article, substantially as shown.

162,889
CHILD'S SWING
Eugene C. Schmidli, Minneapolis, Minn.
Application August 28, 1948, Serial No. 148,357
Term of patent 7 years
(Cl. D15—11)



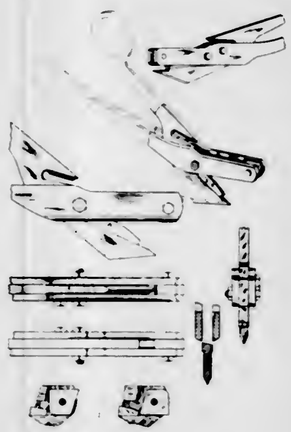
The ornamental design for a child's swing, as shown.

162,890
WALL LAMP
Eugene Schwarz, Alexander, Ind.
Application October 13, 1950, Serial No. 12,551
Term of patent 14 years
(Cl. D48—4)



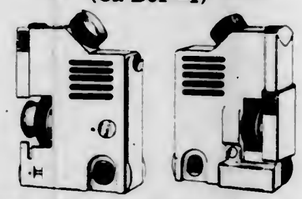
The ornamental design for a wall lamp, as shown and described.

162,891
METAL-CUTTING SHEARS
Willie M. Shoffner, Dayton, Ohio
Application May 8, 1950, Serial No. 9,774
Term of patent 14 years
(Cl. D22—5)



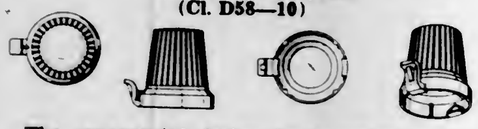
The ornamental design for a metal-cutting shears, substantially as shown and described.

162,892
MINIATURE CAMERA
Franz Sochor, Vienna, Austria, assignor to Otto Brullhard, Forest Hills, N. Y.
Application May 31, 1950, Serial No. 10,264
Term of patent 14 years
(Cl. D61—1)



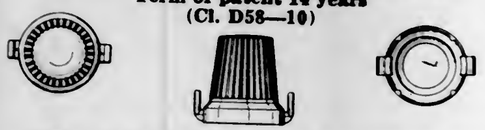
The ornamental design for a miniature camera, as shown and described.

162,893
CONTAINER CLOSURE
Jack W. Soffer, St. Louis, Mo., assignor to Development Research, Inc., St. Louis, Mo., a corporation of Missouri
Application January 9, 1950, Serial No. 7,088
Term of patent 14 years
(Cl. D58—10)



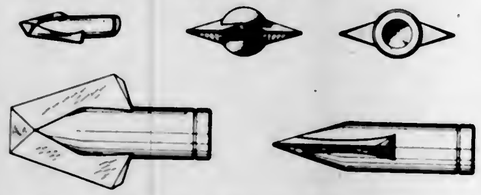
The ornamental design for a container closure, as shown.

162,894
CONTAINER CLOSURE
Jack W. Soffer, St. Louis, Mo., assignor to Development Research, Inc., St. Louis, Mo., a corporation of Missouri
Application May 19, 1950, Serial No. 10,035
Term of patent 14 years
(Cl. D58—10)



The ornamental design for a container closure, substantially as shown.

162,895
SOLDERING IRON HEAD OR THE LIKE
Paul E. Spahn, Perrysburg, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application December 13, 1950, Serial No. 13,408
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a soldering iron head or the like, substantially as shown.

162,896
PIN OR SIMILAR ARTICLE
Joseph Sternberg, New York, N. Y., assignor to Paul Flato Sales Corporation, New York, N. Y.
Application January 12, 1951, Serial No. 13,782
Term of patent 7 years
(Cl. D45—19)



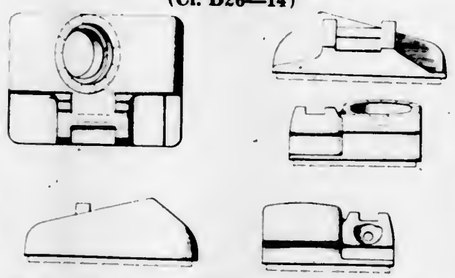
The ornamental design for a pin or similar article, substantially as shown and described.

162,897
SAFETY RAZOR
John A. Still, Bradford, Pa.
Application March 4, 1949, Serial No. 1,213
Term of patent 14 years
(Cl. D22—3)



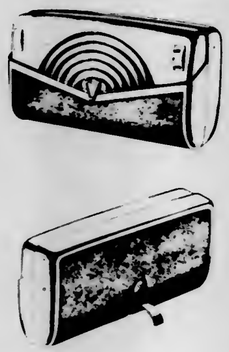
The ornamental design for a safety razor, as shown.

162,898
TELEPHONE BASE
Carl W. Sundberg, Birmingham, Mich., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn., a corporation of Delaware
Application November 30, 1950, Serial No. 13,199
Term of patent 14 years
(Cl. D26—14)



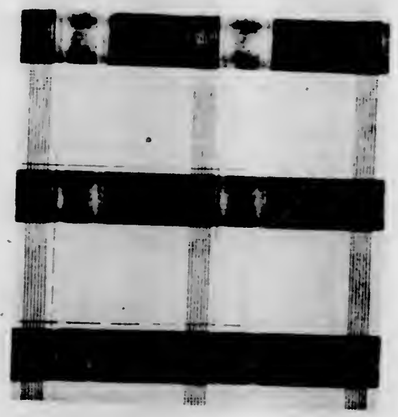
The ornamental design for a telephone base, substantially as shown and described.

162,899
RADIO CABINET
Carl W. Sundberg, Birmingham, and Montgomery Ferar, Huntington Woods, Mich., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application January 3, 1951, Serial No. 13,661
Term of patent 14 years
(Cl. D56—4)



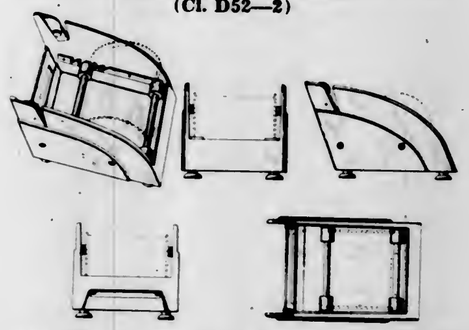
The ornamental design for a radio cabinet, as shown.

162,900
PLASTIC FILM MATERIAL
Michael Angelo Susi, New York, N. Y., assignor to Toscony Fabrics, Inc., New York, N. Y., a corporation of New York
Application May 16, 1950, Serial No. 9,990
Term of patent 3½ years
(Cl. D92—1)



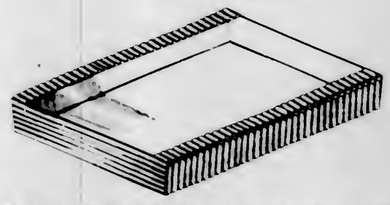
The ornamental design for a plastic film material, as shown and described.

162,901
RIBBON DISPENSER OR SIMILAR ARTICLE
Arthur P. Swanson, Chicago, Ill., assignor to Chicago Printed String Company, Chicago, Ill., a copartnership
Application October 7, 1950, Serial No. 12,482
Term of patent 14 years
(Cl. D52—2)



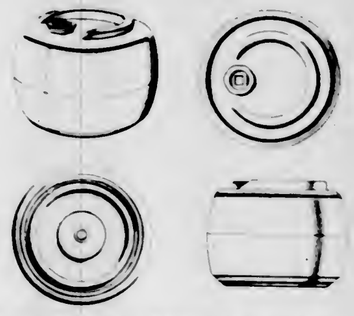
The ornamental design for a ribbon dispenser or similar article substantially as shown and described.

162,902
PAN LINER
Paul Thompson, Wellesley Hills, Mass.
Application April 6, 1950, Serial No. 9,015
Term of patent 14 years
(Cl. D44—1)



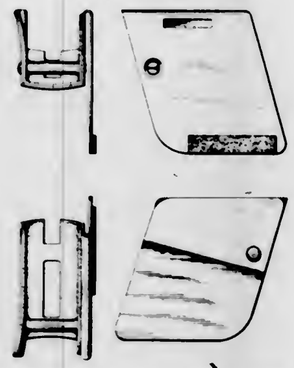
The ornamental design for a pan liner as shown and described.

162,903
METALLIC CONTAINER
George Trautvetter, Jenkintown, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 19, 1950, Serial No. 9,328
Term of patent 14 years
(Cl. D58—17)



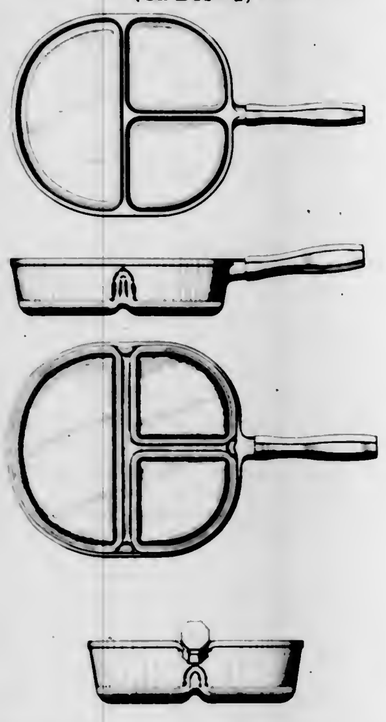
The ornamental design for a metallic container, substantially as shown.

162,904
BELT ATTACHING GUN CRADLE
Oscar L. Ulvang, Duluth, Minn.
Application April 21, 1949, Serial No. 2,170
Term of patent 3½ years
(Cl. D30—1)



The ornamental design for a belt attaching gun cradle, as shown.

162,905
MULTIPLE COMPARTMENT COOKING PAN
Edward L. Utz, Dayton, Ohio
Application May 5, 1949, Serial No. 2,468
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a multiple compartment cooking pan, as shown.

162,906
LAMP BASE
Earl Van Deusen, Seattle, Wash.
Application November 21, 1949, Serial No. 6,163
Term of patent 7 years
(Cl. D48—20)



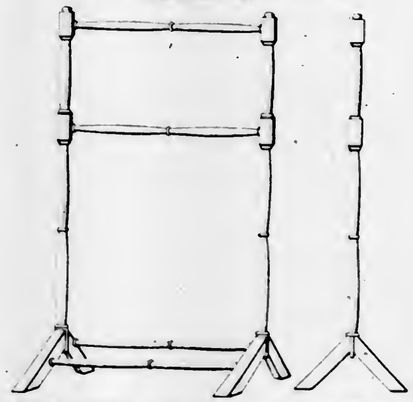
The ornamental design for a lamp base, as shown and described.

162,907
DRAFTING MACHINE THUMB CONTROL UNIT
Francis E. Vaughan, Pasadena, Calif.
Application November 8, 1950, Serial No. 12,912
Term of patent 14 years
(Cl. D52—1)



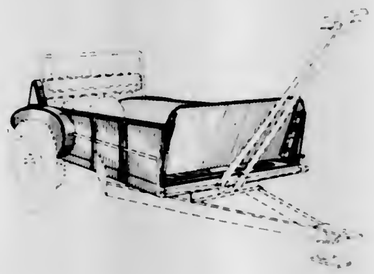
The ornamental design for a drafting machine thumb control unit, substantially as shown.

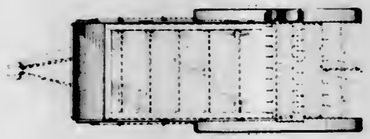
162,908
BEDSPREAD RACK
Margaret A. Volk, Toledo, Ohio
Application November 7, 1949, Serial No. 5,923
Term of patent 3½ years
(Cl. D33—8)



The ornamental design for a bedspread rack, substantially as shown.

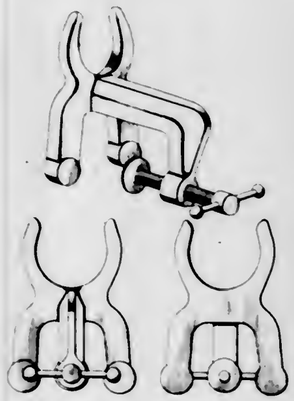
162,909
MANURE SPREADER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application February 17, 1949, Serial No. 920
Term of patent 3½ years
(Cl. D14—3)





The ornamental design for a manure spreader, or similar article, as shown and described.

162,910
OARLOCK
Waldo W. Wallace, Panama City, Fla.
Application December 6, 1949, Serial No. 6,439
Term of patent 3½ years
(Cl. D71—1)

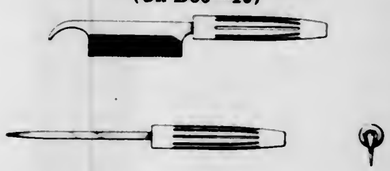


The ornamental design for an oarlock, substantially as shown.

162,911
GRAVER AND SCREW DRIVER SHARPENING FIXTURE
Irvin Waller, Chicago, Ill.
Application October 4, 1950, Serial No. 12,442
Term of patent 14 years
(Cl. D54—13)

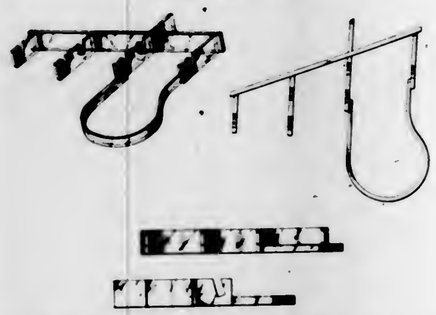
The ornamental design for a graver and screw driver sharpening fixture, as shown.

162,912
COMBINED COMB AND HAIR CURLER
Julius Wenter, New York, N. Y.
Application September 6, 1950, Serial No. 12,068
Term of patent 14 years
(Cl. D86—10)



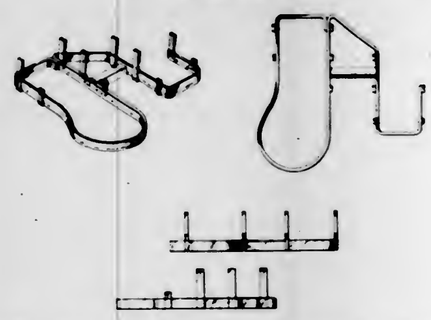
The ornamental design for a combined comb and hair curler, as shown.

162,913
DISPLAY STAND OR SIMILAR ARTICLE
Fritz Westernacher, New York, N. Y.
Application October 24, 1950, Serial No. 12,701
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display stand or similar article, substantially as shown.

162,914
DISPLAY STAND OR SIMILAR ARTICLE
Fritz Westernacher, New York, N. Y.
Application October 24, 1950, Serial No. 12,702
Term of patent 14 years
(Cl. D80—9)



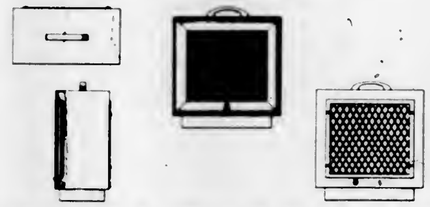
The ornamental design for a display stand or similar article, substantially as shown.

162,915
INSERT FOR A BOX
Alex Wiesen, New York, N. Y., assignor to Marcus & Wiesen, Inc., New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 792
Term of patent 3½ years
(Cl. D58—16)



The ornamental design for an insert for a box, as shown.

162,916
ELECTRIC SPACE HEATER
William W. Wittie, Chicago, Ill.
Application October 8, 1949, Serial No. 5,383
Term of patent 3½ years
(Cl. D81—10)



The ornamental design for an electric space heater as shown.

162,917
STOCKING
Charles N. Woodrow, York, Pa., assignor to Holliday Hosiery Mills, Inc., York, Pa., a corporation of Pennsylvania
Application July 19, 1950, Serial No. 11,261
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

162,918
GATE TOP ORNAMENT
Bernard Youngworth, Baltimore, Md.
Application March 7, 1950, Serial No. 8,385
Term of patent 14 years
(Cl. D28—1)



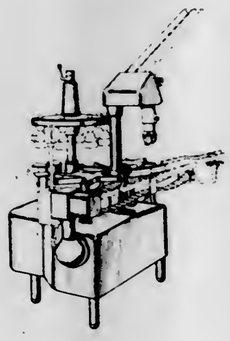
The ornamental design for a gate top ornament, as shown.

162,919

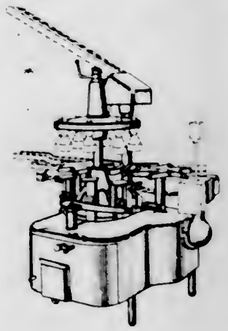
BOTTLE CAPPING MACHINE

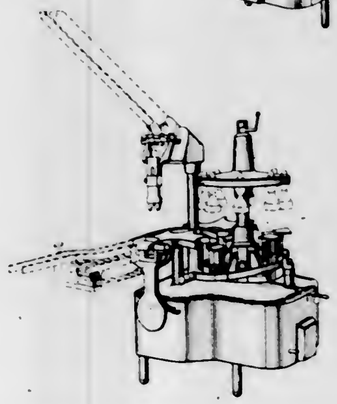
Willy E. Zimmermann, Chicago, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia

Application July 29, 1949, Serial No. 4,193
Term of patent 14 years
(Cl. D2—3)



162,919—Continued





The ornamental design for a bottle capping machine, as shown and described.

April 17, 1951 Volume 645 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Injectable enzyme preparation. Serial No. 599,141, Apr. 17. Class 18.

Academie Scientifique de Beaute, Paris and Colombes, France. Perfume, rouge, toilet water, etc. Serial No. 597,721, Apr. 17. Class 51.

Acritex, Inc., New York, N. Y. Canvases. Serial No. 599,544, Apr. 17. Class 50.

Admiral Controls, Inc., Los Angeles, Calif. Electrically operated garbage disposal units. Serial No. 603,141, Apr. 17. Class 21.

Aims Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Chocolated sulfadiazine. Serial No. 599,685, Apr. 17. Class 18.

Alamac Knitting Mills, Inc., New York, N. Y. Combined shirt and towel and bath robe and towel. Serial No. 594,009, Apr. 17. Class 39.

Albert, Inc., Chicago, Ill. Women's, misses', and junior misses' or girls' undergarments. Serial No. 585,412, Apr. 17. Class 39.

Alberts, W.: *See*—
Alberts, William.

Alberts, William, doing business as W. Alberts, Omaha, Nebr. Appliance covers. Serial No. 570,401, Apr. 17. Class 50.

Allied Drugs, Inc., Hackensack, N. J. Preparation for the treatment of acidity. Serial No. 579,249, Apr. 17. Class 18.

Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Local anesthetic preparation. Serial No. 577,645, Apr. 17. Class 18.

American Brake Shoe Company, New York, N. Y. Composition bearings; machinery shaft couplings; etc. Serial No. 520,668, Apr. 17. Class 23.

American Chain & Cable Company Inc., Bridgeport, Conn. Chain hoists. Serial No. 588,540, Apr. 17. Class 23.

American Coatings Corp., Brooklyn, N. Y. House paint, porch and deck enamel, red lead, etc. Serial No. 575,181, Apr. 17. Class 16.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber separators. Serial No. 602,014, Apr. 17. Class 21.

American Machine and Metals, Inc., New York, N. Y., and East Moline, Ill. Laundry folding machines. Serial No. 607,410, Apr. 17. Class 24.

American Mercantile Company: *See*—
Klein, William.

American Neviol Sign Company, Fort Worth, Tex. Display signs. Serial No. 591,540, Apr. 17. Class 50.

American Reenforced Paper Company, Attleboro, Mass. Unwoven simulated fabrics. Serial No. 577,698, Apr. 17. Class 42.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Wire rope and wire rope slings. Serial No. 599,412, Apr. 17. Class 7.

Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, scoops, etc. Serial Nos. 588,850–1, Apr. 17. Class 23.

Anthony Novelty Co., Inc., Providence, R. I. Costume jewelry. Serial No. 586,512, Apr. 17. Class 28.

Apex Specialties Company: *See*—
Carson, George M.

Archer Rubber Company, Milford, Mass. Rubber sheeting, rubber crib sheeting and rubber blankets. Serial No. 551,677, Apr. 17. Class 50.

Arizona Dawn Gardens, Phoenix, Ariz. Fresh grapes. Serial No. 572,710, Apr. 17. Class 46.

Ark Bakers, Inc., Wichita, Kans, assignor to C. J. Patterson Company, Kansas City, Mo. Bread. Serial No. 550,769, Apr. 17. Class 46.

Armour and Company, doing business as Armour Creameries, Chicago, Ill. Butter. Serial No. 531,980, Apr. 17. Class 46.

Armour Creameries: *See*
Armour and Company.

Aronowitz, Isaac J., Cambridge, England. Covers for smoking pipes. Serial No. 584,048, Apr. 17. Class 8.

Artistic Beauty Products Co., Los Angeles, Calif. Liquid hair waving solution. Serial No. 589,242, Apr. 17. Class 51.

Asphalt Tile Institute, New York, N. Y. Asphalt tile. Serial No. 597,117, Apr. 17. Class 12.

Associated Date Growers & Packers, Indio, Calif. Fresh dates. Serial No. 594,824, Apr. 17. Class 46.

Atlas Putty Products Co., Chicago, Ill. Caulking compound. Serial No. 598,942, Apr. 17. Class 12.

Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receivers. Serial No. 601,187, Apr. 17. Class 21.

Babcock & Wilcox Company, The, New York, N. Y. Chrome ore base castable refractory material. Serial No. 556,944, Apr. 17. Class 12.

Badger Tissue Mills, Kaukauna, Wis. Paper napkins. Serial No. 600,411, Apr. 17. Class 37.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. Serial No. 602,883, Apr. 17. Class 42.

Bay City Freezer, Inc., Bay City, Mich. Frozen vegetables. Serial No. 597,660, Apr. 17. Class 46.

Benweli Corporation, Detroit, Mich. Wall and crack fillers and caulking compounds. 581,164, Apr. 17. Class 12.

Berchan & Friedman, New York, N. Y. Watch cases. Serial No. 599,414, Apr. 17. Class 27.

Bert and Wetta, Maize, Kans. Large self-propelled combination alfalfa cutter and chopper. Serial No. 574,486, Apr. 17. Class 23.

Bettencourt, Alfred S., doing business as Meat Seasoning and Tenderizing Company, East Orange, N. J. Hand operated injecting devices. Serial No. 541,007, Apr. 17. Class 23.

Blanchet, Maurice, Parfums de Luxe Societe Anonyme, Paris, France. Perfumes and cologne. Serial No. 578,350, Apr. 17. Class 51.

Blauner's, Philadelphia, Pa. Women's and children's hosiery. Serial No. 589,824, Apr. 17. Class 39.

Boel, Marius, Inc., Marslev, Denmark. Cheese. Serial No. 592,188, Apr. 17. Class 46.

Bogue Electric Manufacturing Company, Paterson, N. J. Electrical equipment. Serial No. 599,741, Apr. 17. Class 21.

Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Diaries. Serial No. 570,041, Apr. 17. Class 37.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 590,799, Apr. 17. Class 39.

Boston Gear Works: *See*—
Murray Company of Texas, Inc., The.

Bovril, Limited, London, England. Preparation of full cream milk, separated milk, malt extract, etc., for making a food beverage. Serial No. 593,216, Apr. 17. Class 46.

Brannock, Charles F., doing business as The Brannock Device Company, Syracuse, N. Y. Foot measuring instruments. Serial No. 462,218, Apr. 17. Class 26.

Brannock Device Company, The: *See*—
Brannock, Charles F.

Breuer Electric Mfg. Co., Chicago, Ill. Portable electrically driven cleaning blowers, suction cleaners and sprayers. Serial No. 602,796, Apr. 17. Class 21.

Brevitt Shoes Limited, Leicester, England. Men's, women's, and children's shoes. Serial No. 504,248, Apr. 17. Class 39.

Brill, B. C., Co., Inc., Newark, N. J. Ice cream powders. Serial No. 565,520, Apr. 17. Class 46.

Brown, Hoke S., doing business under the name The Mysan Co., Macon, Ga. Preparation for the relief of athlete's foot, ringworm, toe itch, etc. Serial No. 587,313, Apr. 17. Class 18.

Brown, Hoke S., doing business under the name The Mysan Co., Macon, Ga. Preparation for coughs. Serial No. 587,314, Apr. 17. Class 18.

Brown and McClelland, West Los Angeles, Calif. Dolls. Serial No. 595,707, Apr. 17. Class 22.

Brown, William E., Pewaukee, Wis. Insect traps. Serial No. 586,838, Apr. 17. Class 50.

Brunner-Johnson Company, Wichita, Kans. Partially printed forms. Serial No. 596,389, Apr. 17. Class 37.

Buffington's, Incorporated, Worcester, Mass. Injectable medicinal preparation. Serial No. 586,449, Apr. 17. Class 18.

Burlington Mills Corporation, Greensboro, N. C. Rayon fabrics in the piece. Serial No. 602,927, Apr. 17. Class 42.

Burnett & Burnett, Salinas and El Centro, Calif. Fresh vegetables. Serial No. 599,305, Apr. 17. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation for use as a sedative, analgesic and antipyretic. Serial No. 588,477, Apr. 17. Class 18.

Butler Brothers, Chicago, Ill. Paper tablets, notebooks, crepe paper, etc. Serial No. 562,443, Apr. 17. Class 37.

Butler Brothers, Chicago, Ill. Dolls, stuffed toy animals, plastic baby rattles, etc. Serial No. 577,559, Apr. 17. Class 22.

C. & K. Manufacturing Company, Lomita, Calif. Dresses. Serial No. 550,780, Apr. 17. Class 39.

Calgon, Incorporated, Pittsburgh, Pa. Electrical controlling and signalling apparatus. Serial No. 588,003, Apr. 17. Class 21.

Calkins Manufacturing Company, Spokane, Wash. Seed treating machines, grain and seed cleaning machines, etc. Serial No. 589,070, Apr. 17. Class 23.

Cape Shore Paper Products: *See*—
Williams, J. Parker.

Carnegie, Hattie, Inc., New York, N. Y. Wearing apparel for women and children. Serial No. 546,952, Apr. 17. Class 39.

Carol-Deb Company, Pawtucket, R. I. Jewelry. Serial No. 587,178, Apr. 17. Class 28.

Carpenter, A. C., Water Mill, N. Y. Potatoes. Serial No. 573,303, Apr. 17. Class 46.
Carson, George M., doing business as Apex Specialties Company, New York, N. Y. Sun glasses. Serial No. 552,424, Apr. 17. Class 26.
Castolite Company, The, Woodstock, Ill. Co-polymer of vinyl chloride-acetate. Serial No. 578,866, Apr. 17. Class 1.
Cavalier Laboratories: *See*— Frieden, Hyman.
Chapman, Earle F., doing business as Chapman Manufacturing Company, South Braintree, Mass. Electrical decorative portable table lamps and shades therefor. Serial No. 588,677, Apr. 17. Class 21.
Chapman Manufacturing Company: *See*— Chapman, Earle F.
Chr. Bjelland & Co. Inc., New York, N. Y. Canned fish, and canned mushrooms. Serial No. 567,179, Apr. 17. Class 46.
Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Food colors, freezing mix, etc. Serial No. 599,707, Apr. 17. Class 46.
Ciffo, Alfred, New York, N. Y. Toys. Serial No. 600,719, Apr. 17. Class 22.
Cinder Concrete Products, Inc., Kansas City, Mo., and Denver, Colo. Sintered aggregate and building blocks. Serial No. 598,521, Apr. 17. Class 12.
Clay-Adams Company, Inc., New York, N. Y. Hypodermic syringes and hypodermic needles. Serial No. 598,982, Apr. 17. Class 44.
Cloroben Corporation, The, Jersey City, N. J. Chemical cleansing preparation. Serial No. 568,493, Apr. 17. Class 52.
Cluett, Peabody & Co., Inc., Troy, N. Y. Woolen blankets. Serial No. 602,677, Apr. 17. Class 42.
Coat Craft Company, Philadelphia, Pa. Girls' and boys' coats and coat and legging sets. Serial Nos. 593,975–6, Apr. 17. Class 39.
Coleman and Bell Company, The, Norwood and Norwood, Cincinnati, Ohio. Paraffine wax. Serial No. 595,246, Apr. 17. Class 6.
Colonial Lumber Co., Inc., Philadelphia, Pa. Shingles, rock wool and insulation fibre board, etc. Serial No. 586,728, Apr. 17. Class 12.
Colonial Provision Co., Inc., Boston, Mass. Pressed luncheon sausage, salami, minced luncheon sausage, etc. Serial No. 579,668, Apr. 17. Class 46.
Colonial Provision Co., Inc., Boston, Mass. Skinless frankfurts, smoked pork shoulder butts, etc. Serial No. 579,669, Apr. 17. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business as The Pocatello Flour Mills, Pocatelll, Idaho. Wheat flour. Serial No. 551,541, Apr. 17. Class 46.
Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial No. 545,083, Apr. 17. Class 104.
Commercial Importing Co., Seattle, Wash. Coffee and tea. Serial No. 540,524, Apr. 17. Class 46.
Commercial Solvents Corporation, New York, N. Y. Glucuronolactone composition. Serial No. 586,142, Apr. 17. Class 18.
Connie's Food Products: *See*— Karambelas, Constantine E.
Consolidated Cosmetics, Chicago, Ill., assignee of Consolidated Cosmetics. Wrapping paper. Serial No. 514,645, Apr. 17. Class 37.
Consolidated Mining and Smelting Company of Canada, Limited, The, Montreal, Quebec, Canada. Unwrought alloys of common metals. Serial No. 573,028, Apr. 17. Class 14.
Cook Electric Company, Chicago, Ill. Coating composition. Serial No. 494,310, Apr. 17. Class 16.
Corno Products Company: *See*— Mayfield, Wallace L.
Coro, Inc., New York, N. Y. Jewelry. Serial No. 592,881, Apr. 17. Class 28.
Cory Corporation, Chicago, Ill. Heating elements. Serial No. 604,256, Apr. 17. Class 21.
Cowan, Louis G., New York, N. Y., assignor to Quiz Kids, Inc., Chicago, Ill. Entertainment services. Serial No. 550,390, Apr. 17. Class 107.
Cuno Engineering Corporation, The, Meriden, Conn. Electrical cigar and cigarette lighters and parts thereof. Serial No. 598,837, Apr. 17. Class 8.
Curley Company, Incorporated, Philadelphia, Pa. Pharmaceutical preparation. Serial No. 592,882, Apr. 17. Class 18.
Daisy Manufacturing Company, Plymouth, Mich. Toy guns. Serial No. 573,312, Apr. 17. Class 22.
David, Roger H., Inc., St. Paul, Minn. Shoe holder. Serial No. 589,198, Apr. 17. Class 13.
De Groot Typewriter Exchange, Inc., Kalamazoo, Mich. Carbon paper and typewriter ribbons. Serial Nos. 588,130–1, Apr. 17. Class 11.
Denemark & Morris, Inc., New York, N. Y. Treated canvas and duck fabrics. Serial No. 580,650, Apr. 17. Class 42.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds and mixtures. Serial No. 582,031, Apr. 17. Class 6.
Dunlap Clothes Shop, Cincinnati, Ohio. Outer shirts and collars. Serial No. 519,382, Apr. 17. Class 39.
Eastman Kodak Company, assignee: *See*— Tennessee Eastman Corporation.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Synthetic yarn. Serial No. 578,496, Apr. 17. Class 43.
Eclipse Sleep Products Inc., Brooklyn, N. Y. Couch beds. Serial No. 592,558, Apr. 17. Class 32.
Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. Serial No. 591,462, Apr. 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Tracing paper. Serial Nos. 591,466–7, Apr. 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Blue print cloth. Serial No. 591,469, Apr. 17. Class 37.
Elliott, B. K., Company, Pittsburgh, Pa. Drawing paper. Serial No. 591,470, Apr. 17. Class 37.
Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Workmen's compensation, public liability, automobile, etc., insurance services. Serial Nos. 528,993–4, Apr. 17. Class 102.
Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Workmen's compensation, public liability, automobile, etc., insurance services. Serial No. 532,283, Apr. 17. Class 102.
Fabri-Valve Company of America, Portland, Oreg. Fabricated steel gate valves. Serial No. 604,882, Apr. 17. Class 13.
Farmers Hybrid Seed Corn Co., Hampton, Iowa. Hybrid seed corn. Serial No. 571,680, Apr. 17. Class 1.
Fellows, Jack B., Kansas City, Mo. Manually demonstrating and vocally instructing in the use of tools and processes for various hobby crafts, etc. Serial No. 596,403, Apr. 17. Class 107.
Fischer, Albert C.: *See*— Servicised Products Corporation.
Fischer, Cecile G., executor: *See*— Servicised Products Corporation.
Fischer, Wallace C., executor: *See*— Servicised Products Corporation.
Foote & Jenks, Inc., Jackson, Mich. Extracts for food-flavoring purposes. Serial No. 536,683, Apr. 17. Class 46.
"42" Products, Ltd., Los Angeles and West Los Angeles, Calif. Hair coloring creme. Serial No. 597,824, Apr. 17. Class 51.
Frieden, Hyman, doing business under the name of Cavalier Laboratories, Norfolk, Va. Toilet preparations. Serial No. 574,830, Apr. 17. Class 51.
General Foods Corporation, New York, N. Y. Dog food. Serial No. 598,907, Apr. 17. Class 46.
General Tire & Rubber Company, The, Akron, Ohio. Pigment-rubber masterbatches: synthetic rubbers, etc. Serial No. 579,592, Apr. 17. Class 1.
Georges Supply Company, Washington, D. C. Preparation for eradicating warts. Serial No. 585,924, Apr. 17. Class 18.
Gerber Legendary Blades, Portland, Oreg. Carving implements. Serial No. 557,602, Apr. 17. Class 23.
Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 608,540, Apr. 17. Class 23.
Glenhaven Ltd., Baltimore, Md. Ladies' wearing apparel. Serial No. 591,725, Apr. 17. Class 39.
Globe Marble and Granite Corporation, New York, and Long Island City, N. Y. Uncut granite. Serial No. 598,649, Apr. 17. Class 1.
Green Giant Company: *See*— Minnesota Valley Canning Company.
Greyvan Lines, Inc., Chicago, Ill. Storage and interstate shipping. Serial No. 561,013, Apr. 17. Class 105.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 597,865, Apr. 17. Class 27.
Gulf Coast Jewelry and Specialty Co., Inc., Mobile, Ala. Costume jewelry and diamond jewelry. Serial No. 593,984, Apr. 17. Class 28.
Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 547,633, Apr. 17. Class 2.
Gulf States Paper Corporation, Tuscaloosa, Ala. Kraft paper. Serial No. 595,836, Apr. 17. Class 37.
Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 599,168, Apr. 17. Class 2.
H and K Company, The: *See*— Kolling, Henry W.
Hachmeister-Inc., Pittsburgh, Pa. Plastic wall tile. Serial No. 601,543, Apr. 17. Class 12.
Hall & Co., Inc., Spartanburg, S. C. Ready-mixed paints, varnishes, and lacquers. Serial No. 562,849, Apr. 17. Class 16.
Handal, S., & Sons, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 568,503, Apr. 17. Class 42.
Harlan Instrument Company, Dallas, Tex. Photographic flash units. Serial No. 602,152, Apr. 17. Class 26.
Hart, Derald: *See*— Hart, Edmund D.
Hart, Edmund D., generally known as Derald Hart, Colorado Springs, Colo. Hockey trainer. Serial No. 596,027, Apr. 17. Class 22.
Hat Corporation of America, Norwalk, Conn. Men's hats, caps, necktles and overcoats; women's hats. Serial No. 598,014, Apr. 17. Class 39.
Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Canned tuna. Serial No. 583,204, Apr. 17. Class 46.

Heminway & Bartlett Mfg. Co., The, Watertown, Conn. Multiple-filament thread and twine. Serial No. 578,391, Apr. 17. Class 43.
Hero Mfg. Co., Inc., Middleboro, Mass. Plastic knitting needles. Serial No. 591,728, Apr. 17. Class 40.
Hickok Oil Corporation, Toledo, Ohio and elsewhere. Inspection, maintenance and repair of motor vehicles. Serial No. 559,877, Apr. 17. Class 103.
Holbrook, Harold L., Ph. D., New Haven, Conn. Group conference and consultation services. Serial No. 592,149, Apr. 17. Class 101.
House of Faril, Inc., Lowell, Mass. Lipstick. Serial No. 597,957, Apr. 17. Class 51.
Hudnut, Richard, New York, N. Y. Cologne. Serial No. 599,098, Apr. 17. Class 51.
Illumilite Company, Inc., The, assignor to Bertha Sternaman, Springfield, Ill. Electric lamp holders, and mountings therefor. Serial No. 597,829, Apr. 17. Class 21.
Industria E. Commercio Assumpcao S/A, Sao Paulo, Brazil. Televisoon receiving sets, television transmitting sets, etc. Serial No. 590,369, Apr. 17. Class 21.
International Business Machines Corporation, New York, N. Y. Mechanical pencils, pencils, pencil leads, etc. Serial No. 579,431, Apr. 17. Class 37.
International Milling Company, Minneapolis, Minn. Wheat flour. Serial No. 598,954, Apr. 17. Class 46.
Irvington Varnish & Insulator Company, Irvington, N. J. Moistureproof and solvent resistant bottle-cap liner material. Serial No. 573,488, Apr. 17. Class 37.
Jamestown Baking Company, Inc., Jamestown, N. Y. Bread. Serial No. 597,209, Apr. 17. Class 46.
Jato Industries: *See*— Robinson, Alice L.
Jewel Tea Co., Inc., Barrington, Ill. Dental cream, shampoo, blue, and starch finish. Serial No. 555,527, Apr. 17. Class 51.
Judy Company, The, Minneapolis, Minn. Toy construction set. Serial No. 596,668, Apr. 17. Class 22.
Kahn, B. S., & Company, Inc., Miami, Fla. Ladies', misses', juniors' and children's dresses. Serial No. 580,484, Apr. 17. Class 39.
Kannengiesser & Company, New York, N. Y. Banana flavored syrup. Serial No. 577,270, Apr. 17. Class 46.
Karambelas, Constantine E., doing business under the name Connie's Food Products, Portland, Oreg. Candy. Class 498,147, Apr. 17. Class 46.
Keasbey & Mattison Company, Ambler, Pa. Pipe and boiler insulation. Serial No. 593,123, Apr. 17. Class 12.
Kenron Steel Products: *See*— Turkin, Nathan H.
Keppel's, Inc., Lancaster, Pa. Candy. Serial No. 599,179, Apr. 17. Class 46.
Kestenman Bros. Mfg. Co., Providence, R. I. Metal bracelets, and ornamental clasps and buckles. Serial No. 583,267, Apr. 17. Class 28.
King Organic Chemicals, Incorporated: *See*— Photo Technical Corporation, The.
Klein, William, doing business as American Mercantile Company, San Francisco, Calif. Canned shellfish. Serial No. 596,670, Apr. 17. Class 46.
Knowles, Edwin M., China Company, The, Newell, W. Va. Semi-vitreous dinnerware. Serial No. 571,560, Apr. 17. Class 30.
Kohnstamm, H., & Co., Inc., New York, N. Y. Pigment colors and lake colors. Serial No. 597,530, Apr. 17. Class 6.
Kolling, Henry W., doing business under the firm name of the H and K Company, Dayton, Ohio. Cigarette holders or mouth pieces. Serial No. 561,753, Apr. 17. Class 8.
Kordite Corporation, Victor, N. Y. Brooms. Serial No. 596,575, Apr. 17. Class 29.
Kuster Laboratories, Inc., San Francisco, Calif. Food product. Serial No. 553,378, Apr. 17. Class 46.
Lager, Virginia L., Maumee, Ohio. Toilet powders. Serial No. 589,581, Apr. 17. Class 51.
Lauerman Brothers Company, Marinette, Wis. Sheets and pillowcases. Serial No. 575,357, Apr. 17. Class 42.
Le Blond, R. K., Machine Tool Co., The, Cincinnati, Ohio. Profiling and contour reproducing slide. Serial No. 590,778, Apr. 17. Class 23.
Lederer Brothers, New York, N. Y. Simulated and cultured pearl necklaces, bracelets and earrings. Serial No. 600,293, Apr. 17. Class 28.
Lewis Engineering and Manufacturing Company, The, Alliance, Ohio. Lawn tools. Serial No. 597,620, Apr. 17. Class 23.
Lewis, J. B., & Sons Limited, Nottingham, England. Men's, women's, children's, and infants' wearing apparel. Serial No. 583,938, Apr. 17. Class 39.
Lewisburg Chair Company, Inc., Bridgeport, Conn. Tables and chairs. Serial No. 581,879, Apr. 17. Class 32.
Link-Belt Company, Chicago, Ill. Combined electric motor and hydraulic coupling drives. Serial No. 602,617, Apr. 17. Class 21.
Lipman's Inc., New York, N. Y. Pencils. Serial Nos. 594,796–7, Apr. 17. Class 37.
Locks Laboratories, New York, N. Y. Shampoo and hair conditioner. Serial No. 563,265, Apr. 17. Class 52.
Lodenfrey Corporation of America, New York, N. Y. Men's, women's, and children's rain coats, top coats, overcoats, etc. Serial No. 567,027, Apr. 17. Class 39.
Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Knitted goods—namely, sweaters, etc. Serial No. 575,147, Apr. 17. Class 39.
Loveman, Berger and Teitlebaum, Inc., Nashville, Tenn. Women's hosiery and underwear. Serial No. 588,500, Apr. 17. Class 39.
M. K. M. Huslery Mills, Inc., Boston, Mass. Ladies' hosiery. Serial No. 577,803, Apr. 17. Class 39.
Malone Knitting Company, Springfield, Mass. Infants' shirts, bands, and panties. Serial No. 564,208, Apr. 17. Class 39.
Marlwill Pies, Ringwood, Ill. Bakery products. Serial No. 599,107, Apr. 17. Class 46.
Markwell Manufacturing Company, Inc., New York, N. Y. Staples. Serial No. 599,768, Apr. 17. Class 13.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary pharmaceutical preparation. Serial No. 590,681, Apr. 17. Class 18.
Mayfield, Wallace L., doing business as Corno Products Company, Houston, Tex. Packaged food product. Serial No. 503,193, Apr. 17. Class 46.
McLintock, D. C., doing business as D. C. McLintock Co., Hackensack, N. J. Medicated bandages. Serial No. 564,886, Apr. 17. Class 18.
McLintock, D. C., Co.: *See*— McLintock, D. C.
McNeil, Charles J., Beaumont, Tex. Remedy for the treatment of piles. Serial No. 581,674, Apr. 17. Class 18.
Mead Corporation, The, Dayton, Ohio. Paper and paper board, etc. Serial No. 525,914, Apr. 17. Class 37.
Meat Seasoning and Tenderizing Company: *See*— Bettencourt, Alfred S.
Mentmore Manufacturing Co. Limited, London, England. Fountain pens, stylographic pens, pen nibs, etc. Serial No. 593,492, Apr. 17. Class 37.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. Serial No. 527,770, Apr. 17. Class 26.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat activated adhesive tape. Serial No. 576,127, Apr. 17. Class 5.
Minnesota Valley Canning Company, Le Sueur, Minn., now by change of name Green Giant Company. Canned asparagus. Serial No. 597,218, Apr. 17. Class 46.
Minute Mop Company, Chicago, Ill. Mops, combination floor brush mop and squeegee, window mops, etc. Serial No. 589,327, Apr. 17. Class 29.
Morris, Caroline, Chicago, Ill. All purpose cosmetic cream. Serial No. 593,008, Apr. 17. Class 51.
Mosaic Tile Company, The, Zanesville, Ohio. Floor and wall tiles of clay. Serial No. 535,985, Apr. 17. Class 12.
Moto-Mower Company, The, Detroit, Mich. Lawnmowers. Serial No. 602,415, Apr. 17. Class 23.
Moyer, Walter W., Company, Ephrata, Pa. Women's, misses', infants', men's, boys' and juveniles' hosiery, socks, and underwear. Serial No. 582,574, Apr. 17. Class 39.
Multiscope, Inc., Coffeyville, Kans. Moving stairways. Serial No. 512,601, Apr. 17. Class 23.
Murphy & Stevenson Ltd., Belfast, Northern Ireland. Table cloths, napkins, towels, etc. Serial No. 569,982, Apr. 17. Class 42.
Murray Company of Texas, Inc., The, Dallas, Tex., doing business under the name and style of Boston Gear Works, North Quincy, Mass. Bronze bearings. Serial No. 597,836, Apr. 17. Class 23.
Mysan Co., The: *See*— Brown, Hoke S.
National Aluminate Corporation, Chicago, Ill. Catalyst compositions. Serial No. 580,141, Apr. 17. Class 6.
National Automatic Tool Company, Inc., Richmond, Ind. Collapsible metal poultry crates. Serial No. 580,851, Apr. 17. Class 2.
National Musical String Co., New Brunswick, N. J. Strings for banjos, guitars, harps, etc. Serial No. 597,285, Apr. 17. Class 36.
Nelson Doubleday, Inc., Garden City, N. Y. Books. Serial No. 572,514, Apr. 17. Class 38.
Newage International, Inc., New York, N. Y. Women's, children's, and infants' outer clothing. Serial No. 590,615, Apr. 17. Class 39.
Northwestern Steel and Wire Company, Sterling, Ill. Stove pipe wire, welded wire fabric, hardware cloth, etc. Serial No. 589,331, Apr. 17. Class 13.
Novadel-Agene Corporation, Belleville, N. J. Chemical material. Serial No. 572,043, Apr. 17. Class 6.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Hyaluronidase. Serial No. 578,517, Apr. 17. Class 18.
Ogden, Claudia M., doing business as Claudia Ogden's "Pink Pony" Fabrics, Scottsdale, Ariz. Piece goods. Serial No. 596,748, Apr. 17. Class 42.
Ogden's, Claudia, "Pink Pony" Fabrics: *See*— Ogden, Claudia M.
Ohio Farmers Insurance Company, Leroy, Ohio. Fire, wind, explosion, loss of earnings, etc. Insurance. Serial No. 593,741, Apr. 17. Class 102.
Oil Well Supply Company, Dallas, Tex. Reciprocating and centrifugal pumps. Serial No. 598,808, Apr. 17. Class 23.

Old American Insurance Company, Kansas City, Mo. Underwriting of personal insurance. Serial No. 522,465, Apr. 17. Class 102.
Olympic Knitwear, Inc., New York, N. Y. Sweaters. Serial No. 589,736, Apr. 17. Class 39.
Organon Inc., Orange, N. J. Medicinal hormone preparation. Serial Nos. 601,228–30, Apr. 17. Class 18.
Ormont, James, New York, N. Y. Mouthwash. Serial No. 586,556, Apr. 17. Class 51.
Osborne and Partners Limited, Surbiton, England. Building materials. Serial No. 592,832, Apr. 17. Class 12.
Otte, Otho M., doing business under the style name Royal Allegheny Metal Wares, Tarentum, Pa. Metal tableware. Serial No. 593,610, Apr. 17. Class 23.
Oval Manufacturing Company, Inc., New York, N. Y. Imitations of precious stones. Serial No. 592,930, Apr. 17. Class 28.
Owatonna Canning Company, Owatonna, Minn. Canned asparagus, peas and corn. Serial No. 590,756, Apr. 17. Class 46.
Pacific Wire Works Co., Seattle, Wash. Steel reinforcing for walls. Serial No. 590,989, Apr. 17. Class 12.
Palumbo-Robinson Fruit Co., Homedale, Idaho. Fresh peaches. Serial No. 554,401, Apr. 17. Class 46.
Paramount Wedding Ring Company, Chicago, Ill. Finger rings. Serial No. 591,312, Apr. 17. Class 28.
Parke, Davis & Company, Detroit, Mich. Oral preparation for the treatment of liver conditions. Serial No. 591,249, Apr. 17. Class 18.
Patterson, C. J., Company: *See*—
Ark Bakers, Inc.
Pepperell Manufacturing Company, Boston, Mass. Sheets, pillow cases and sheetings. Serial No. 571,042, Apr. 17. Class 42.
Perfecting Service Company, Chicago, Ill. Servicing of connection devices. Serial No. 564,400, Apr. 17. Class 103.
Perkins, Dan, Company, The, Memphis, Tenn. Sausage seasoning. Serial No. 503,664, Apr. 17. Class 46.
Permanente Cement Company, Oakland, Calif. Portland cement and oil-well cement. Serial No. 587,590, Apr. 17. Class 12.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 601,277, Apr. 17. Class 39.
Petersen Oven Company, The, Franklin Park, Ill. Portable metal bins. Serial No. 588,766, Apr. 17. Class 2.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. Serial No. 591,192, Apr. 17. Class 18.
Phalmo, S. P., Co., Chicago, Ill. Tooth powder and mouth wash. Serial No. 570,720, Apr. 17. Class 51.
Photo Technical Corporation, The, Norwalk, Conn., now by change of name King Organic Chemicals, Incorporated. Plasticizer for rubber. Serial No. 571,820, Apr. 17. Class 6.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 595,398, Apr. 17. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 596,184, Apr. 17. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 602,054, Apr. 17. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 602,057, Apr. 17. Class 18.
Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Seed corn and hatching eggs. Serial No. 587,906, Apr. 17. Class 1.
Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.
Plastic Molders, Inc., Chicago, Ill. Plastic receptacles. Serial No. 579,831, Apr. 17. Class 2.
Pocatello Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.
Port Huron Sulphite & Paper Co., Port Huron, Mich. Carbon paper, spirit ink carbon paper, and hectograph carbon paper. Serial No. 578,163, Apr. 17. Class 11.
Preston-Shaffer Milling Co., Walla Walla, Wash., doing business as Western Milling Company. Wheat flour. Serial No. 571,995, Apr. 17. Class 46.
Princess Peggy, Inc., Peoria, Ill. Ladies' and children's pajamas. Serial Nos. 597,906–7, Apr. 17. Class 39.
Pure Oil Company, The, Chicago, Ill. Rubber tires and tubes. Serial No. 570,376, Apr. 17. Class 35.
Puritan Company, Incorporated, Rochester, N. Y. Fluid mixture for use in hydraulic power transmission systems. Serial No. 595,852, Apr. 17. Class 6.
Quiz Kids, Inc., assignee: *See*—
Cowan, Louis G.
Randall, Faichney Corporation, Boston, Mass. Hypodermic needles and syringes, and parts thereof. Serial No. 599,232, Apr. 17. Class 44.
Ready Foods Canning Corp., Chicago, Ill. Canned pork luncheon meat. Serial No. 588,230, Apr. 17. Class 46.
Reconstruction Finance Corporation, assignee: *See*—
Vincennes Packing Corporation.
Reese Chemical Company, The, Cleveland, Ohio. Vitamin and mineral preparation. Serial No. 549,966, Apr. 17. Class 18.
Renwal Manufacturing Co. Inc., Mineola, N. Y. Plastic toys. Serial Nos. 593,746–7, Apr. 17. Class 22.
Riddell, John T., Inc., Chicago, Ill. Football helmets and head band suspensions for helmets. Serial No. 589,112, Apr. 17. Class 22.
Roadmaster Products Company, Los Angeles, Calif. Automotive parts. Serial No. 511,700, Apr. 17. Class 23.
Robbins, Anatole, Inc., Los Angeles, Calif. Cream make-up. Serial No. 586,194, Apr. 17. Class 51.
Robinson, Alice L., doing business as Jato Industries, Chicago, Ill. Salad dressing. Serial No. 599,454, Apr. 17. Class 46.
Rose City Foods, Inc., assignee: *See*—
Tillman, John.
Royal Allegheny Metal Wares: *See*—
Otte, Otho M.
Rubberized Oil Plastics Co.: *See*—
Servicised Products Corporation.
Rubenstein Company, The, Chicago, Ill. Upholstery fabrics. Serial No. 574,246, Apr. 17. Class 42.
Societe Anonyme Conte, Paris, France. Crayons, and crayon pencils. Serial No. 590,037, Apr. 17. Class 37.
S & S Cone Corporation, New York, N. Y. Empty ice cream cones. Serial No. 586,111, Apr. 17. Class 46.
Schueller, Eugene, Paris, France. Rouge, face cream, hair lotion, etc. Serial Nos. 597,297–8, Apr. 17. Class 51.
Schueller, Eugene, Paris, France. Rouge, face cream, hair lotion, etc. Serial No. 597,301, Apr. 17. Class 51.
Seamprufe Incorporated, New York, N. Y. Women's apparel. Serial No. 600,984, Apr. 17. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Shower stalls, chemical toilets, closet seats, etc. Serial No. 550,444. Apr. 17. Class 13.
Sears, Roebuck and Co., Chicago, Ill. Cosmetic preparations. Serial No. 573,684, Apr. 17. Class 51.
Sears, Roebuck and Co., Chicago, Ill. Wool and fiber rugs and carpeting. Serial No. 581,083, Apr. 17. Class 42.
Seidlitz Paint & Varnish Co., Kansas City, Mo. Liquid finish. Serial No. 536,145, Apr. 17. Class 16.
Senn, George, Inc., Philadelphia, Pa. Paint industry products. Serial No. 561,047, Apr. 17. Class 16.
Servicised Products Corporation, Chicago, Ill., assignee of W. C. and C. G. Fischer, executors of A. C. Fischer, deceased, doing business as Rubberized Oil Plastics Co. Rubberized asphaltic material. Serial No. 574,355, Apr. 17. Class 12.
Sexton, John, & Co., Chicago, Ill. Paper drinking cups. Serial No. 578,707, Apr. 17. Class 2.
Sexton, John, & Co., Chicago, Ill. Drinking straws. Serial No. 578,716, Apr. 17. Class 50.
Men's and boys' apparel belts, men's and boys' suspenders.
Seymour Mercantile Co., New York, N. Y. Men's and boys' apparel belts, men's and boys' suspenders, etc. Serial No. 582,449, Apr. 17. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations useful in the prevention and treatment of bacterial infections and allergic manifestations. Serial No. 601,572, Apr. 17. Class 18.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens. Serial No. 516,791, Apr. 17. Class 37.
Sheppard, Witt A., Scappoose, Oreg. Tonic or dressing for the hair. Serial No. 591,960, Apr. 17. Class 51.
Shoe Form Co. Inc., Auburn, N. Y. Fishhooks. Serial No. 595,286, Apr. 17. Class 22.
Shotwell Mfg. Co., The, Chicago, Ill. Candy. Serial No. 533,626, Apr. 17. Class 46.
Sickles, M., & Sons, Inc., Philadelphia, Pa. Jewelry. Serial No. 588,530, Apr. 17. Class 28.
Simon, Healey & Goldstein, Inc., New York, N. Y. Starched sheer fabric in the piece. Serial No. 564,529, Apr. 17. Class 42.
Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Edible coconut oil. Serial No. 586,992, Apr. 17. Class 46.
Smith, Frank, Silver Company, Gardner, Mass. Sterling silver tableware. Serial Nos. 556,924–5, Apr. 17. Class 28.
Smith, Kline & French Laboratories, Philadelphia, Pa. Anesthetic. Serial No. 596,531, Apr. 17. Class 18.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial No. 596,532, Apr. 17. Class 18.
Snap-On Tools Corporation, Kenosha, Wis. Metal tool boxes, tool trays, tool chest, etc. Serial No. 573,008, Apr. 17. Class 2.
Snower, M., & Company, Chicago, Ill. Cotton piece fabrics. Serial No. 595,796, Apr. 17. Class 42.
Societe Anonyme Vallsere Societe Grenobloise des Gants d'Etoffes, Paris, Grenoble, France. Fabrics in the piece. Serial No. 576,992, Apr. 17. Class 42.
Société Fromageries Bel, Paris, France. Butter, cheese, biscuit, etc. Serial No. 515,054, Apr. 17. Class 46.
Softskin Toys, Inc., New York, N. Y. Stuffed toys. Serial No. 593,298, Apr. 17. Class 22.
South Bend Bait Company, South Bend, Ind. Fishing tackle. Serial No. 600,454, Apr. 17. Class 22.
Southern Foods: *See*—
Tillman, John.

Southern Lightweight Aggregate Corporation, Norfolk, Va. Lightweight concrete aggregate, lightweight structural concrete aggregate, etc. Serial No. 575,306, Apr. 17. Class 12.
Spiegel, Inc., Chicago, Ill. Fishing tackle boxes. Serial No. 601,239, Apr. 17. Class 22.
Spratt's Patent (America) Limited, London, England, and Newark, N. J. Medicines and tonics. Serial No. 599,665, Apr. 17. Class 18.
Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. Serial No. 591,752, Apr. 17. Class 18.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Toy modeling sets. Serial No. 596,449, Apr. 17. Class 22.
Sternaman, Bertha, assignee: *See*—
Illumilite Company, Inc., The.
Strawick Corporation, The, Oklahoma City, Okla. Wallboard. Serial No. 597,917, Apr. 17. Class 12.
Strong, John G., Milwaukee, Wis. Parlor game. Serial No. 584,043, Apr. 17. Class 22.
Strook, S., & Co., Inc., New York, N. Y. Blankets. Serial No. 558,963, Apr. 17. Class 42.
Sturm & Schelnberg, Inc., New York, N. Y. Ladies' sanitary belts and men's athletic supporters. Serial No. 540,339 Apr. 17. Class 44.
Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden. Candy. Serial No. 597,712, Apr. 17. Class 46.
Swan's Enterprises, Inc., Andrews, N. C. Preparation and treatment for the relief of arthritis, paralysis, etc. Serial No. 587,056, Apr. 17. Class 18.
Talon, Inc., Meadville, Pa. Slide fasteners and components therefor. Serial No. 602,784, Apr. 17. Class 13.
Taylor, Taylor & Hobson Limited, Leicester, England. Instruments for measuring deviations, etc. Serial No. 597,370, Apr. 17. Class 26.
Tel-A-Ray Enterprises, Inc., Henderson, Ky. Television antennae. Serial No. 604,282, Apr. 17. Class 21.
Tennessee Eastman Corporation, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Chemical preparation for use as an inhibitor to retard deterioration of food. Serial No. 578,173, Apr. 17. Class 46.
Thomson Paper Mills, Inc., New York, N. Y. Toilet tissues. Serial No. 600,516, Apr. 17. Class 37.
Tillman, John, doing business as Southern Foods, assignor, by mesne assignments, to Rose City Foods, Inc., Thomasville, Ga. Peanut oil and peanut butter, mayonnaise, etc. Serial No. 525,984, Apr. 17. Class 46.
Tivoli-Union Company, The, Denver, Colo. Beer. Serial No. 525,711, Apr. 17. Class 48.
Tivoli-Union Company, The, Denver, Colo. Beer. Serial No. 547,375, Apr. 17. Class 48.
Tobler & Company, Altstatten, Switzerland. Ski-waxes. Serial No. 544,480, Apr. 17. Class 16.
Todd, A. M., Company, Kalamazoo, Mich. Natural oil of peppermint. Serial No. 571,367, Apr. 17. Class 6.
Toledo Dental Products Co., The, Toledo, Ohio. Artificial dentures. Serial No. 599,200, Apr. 17. Class 44.
Trans-American Van Service, Inc., Chicago, Ill. Motor van transportation and warehousing service. Serial No. 527,801, Apr. 17. Class 105.
Tranzform, Inc., Hoboken, N. J. Girdles, corsets, and foundation garments. Serial No. 585,147, Apr. 17. Class 39.
Trianco Limited, Surrey, England. Automatic heating boilers; calorifiers; fans; etc. Serial No. 586,902, Apr. 17. Class 34.
Turkin, Nathan H., doing business under the name of Kenron Steel Products, Chicago, Ill. Gas and oil fired space heaters, gas automatic water heaters, etc. Serial No. 594,503, Apr. 17. Class 34.
Tweco Products Company, Wichita, Kans. Welding electrode holders, etc. Serial No. 590,722, Apr. 17. Class 21.
Tweco Products Company, Wichita, Kans. Welding electrode holders and parts therefor. Serial No. 590,723, Apr. 17. Class 21.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United Metal Box Co., Inc., Brooklyn, N. Y. Metal trash cans, hampers. Serial No. 544,938, Apr. 17. Class 2.
Universal Dental Company, Philadelphia, Pa. Artificial teeth. Serial No. 553,226, Apr. 17. Class 44.
Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Fountain pens. Serial No. 595,483, Apr. 17. Class 37.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 580,334, Apr. 17. Class 18.
Valcori Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. Serial No. 538,680, Apr. 17. Class 39.
Valley Citrus Packing Co., Phoenix, Ariz. Fresh citrus fruit. Serial No. 579,237, Apr. 17. Class 46.
Vernon, Jean, Inc., West Reading, Pa. Ladies' or misses' panties. Serial No. 592,108, Apr. 17. Class 39.
Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo. Canned foods. Serial No. 568,129, Apr. 17. Class 46.
Virtue Bros. Mfg. Co., Los Angeles, Calif. Table tops. Serial No. 565,592, Apr. 17. Class 32.
Vogue Vanities Limited, Handsworth, Birmingham, England. Jewelry. Serial No. 588,914, Apr. 17. Class 28.
Vulcan Manufacturing Co., Inc., Winona, Minn. Automobile jacks. Serial No. 537,848, Apr. 17. Class 23.
Waco Aircraft Company, The, Troy, Ohio. Airplanes and automotive truck bodies. Serial No. 552,191, Apr. 17. Class 19.
Wagner Electric Corporation, St. Louis, Mo. Hydraulic brake bleeder. Serial No. 591,601, Apr. 17. Class 23.
Walworth Company, Boston, Mass. Wrenches. Serial No. 602,535, Apr. 17. Class 23.
Wene, Elmer H., doing business as Wene Poultry Laboratories, Vineland, N. J. Medicinal preparation. Serial No. 597,112, Apr. 17. Class 18.
Wene Poultry Laboratories: *See*—
Wene, Elmer H.
West Disinfecting Company, Long Island City, N. Y. Toilet room disinfecting and sanitation etc. Serial No. 584,937, Apr. 17. Class 103.
West Virginia Pulp and Paper Company, New York, N. Y. Fiber board for use for electrical insulation. Serial No. 592,964, Apr. 17. Class 21.
Western Burlap Bag Company, Chicago, Ill. Textile bags, paper bags, plastic bags. Serial No. 588,997, Apr. 17. Class 2.
Western Milling Company: *See*—
Preston-Shaffer Milling Co.
Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. Serial No. 557,808, Apr. 17. Class 104.
Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. Serial No. 557,810, Apr. 17. Class 104.
Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. Serial No. 567,937, Apr. 17. Class 104.
Weston Dodson & Company, Incorporated, Bethlehem, Pa. Coal. Serial No. 598,622, Apr. 17. Class 1.
Westville Oil and Manufacturing, Inc., Westville, Ind. Lubricating oils and additives therefor. Serial No. 581,847, Apr. 17. Class 15.
Whitman, Norman, Omaha, Nebr. Procuring buyers of businesses, together with the real estate on which such businesses are located etc. Serial No. 581,226, Apr. 17. Class 102.
Williams, C. K., & Co., East St. Louis, Ill. Finely divided dry solid colors. Serial No. 565,895, Apr. 17. Class 6.
Williams, J. Parker, doing business under style of Cape Shore Paper Products, South Portland, Maine. Writing paper, paper napkins and correspondence envelopes. Serial No. 595,117, Apr. 17. Class 37.
Williams, Mary C., Lawton, Okla. Girls' dresses. Serial No. 596,545, Apr. 17. Class 39.
Williamson, Garfield, Inc., Jersey City, N. J. Fertilizer for lawns. Serial No. 596,212, Apr. 17. Class 10.
Winkler, Kaspar, & Co., Zurich, Switzerland. Dampproofing paint and primer. Serial No. 553,556, Apr. 17. Class 16.
Winkler, Kaspar, & Co., Zurich, Switzerland. Powdered coating composition. Serial No. 553,557, Apr. 17. Class 16.
Wood, E. K., Lumber Co., Oakland, Calif. Lumber, shingles, lath, doors, etc. Serial No. 588,780, Apr. 17. Class 12.
Woodall Industries, Incorporated, Detroit, Mich. Laminated cellulose composition fiber board. Serial No. 588,348, Apr. 17. Class 12.
Yankee Network Inc., The, Boston, Mass. Radio program broadcasting services. Serial No. 536,331, Apr. 17. Class 104.
Young Radiator Company, Racine, Wis. Air conditioning units. Serial No. 602,480, Apr. 17. Class 34.
Youngs Rubber Corporation, New York, N. Y. Prophylactic membranous articles. Serial No. 599,358, Apr. 17. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. 540,954, Apr. 17, 1951. Various preparations such as drugs, medicine, etc., Serial No. 536,977, published Aug. 22, 1950. Class 18; Devices or appliances, namely gauze dressings, etc., Serial No. 562,741, published Mar. 7, 1950, Class 44; Food flavoring extracts and brominated vegetable oils, Serial No. 562,742, published Aug. 15, 1950, Class 46. (Consolidated certificate, Classes 18, 44, 46.)

Abbott Laboratories, North Chicago, Ill. Sedative, hypnotic, and anticonvulsant preparation. 541,171, Apr. 17; Serial No. 595,294, published Jan. 9, 1951. Class 18.

Abesto Manufacturing Corporation, Michigan City, Ind. Roof coating paint. 541,120, Apr. 17; Serial No. 591,062, published Jan. 2, 1951. Class 16.

Adel Milling Company: *See*—
Thomas, John C., Jr.

Adler Silhouette Letter Co., Chicago, Ill. Display signs. 540,972. Apr. 17; Serial No. 550,008, published Dec. 19, 1950. Class 50.

Adler Silhouette Letter Co., Chicago, Ill. Individual demountable display sign characters. 540,973. Apr. 17; Serial No. 550,009, published Dec. 19, 1950. Class 50.

Aetna Casualty and Surety Company, The: *See*—
Aetna Life Insurance Company.

Aetna Life Insurance Company, Hartford, Conn., assignee of The Aetna Casualty and Surety Company. Life, casualty and property insurance. 541,196. Apr. 17; Serial No. 530,144, published Jan. 23, 1951. Class 102.

Air Filter Corporation, Milwaukee, Wis. Air filters. 541,054. Apr. 17; Serial No. 579,252, published Jan. 9, 1951. Class 31.

Ajax Corporation of America, Chicago, Ill. Ice making machines and parts thereof. 541,065. Apr. 17: Serial No. 582,013, published Jan. 23, 1951. Class 31.

Albany Felt Company, North Albany, N. Y. Wool. 541,159. Apr. 17; Serial No. 594,185, published Jan. 9, 1951. Class 1.

Albany Lubricating Co., New York, N. Y., to Adam Cook's Sons, Inc., Linden, N. J. Solidified-mineral-oil lubricant. 81,191, re-renewed Mar. 14, 1951. O. G. Apr. 17. Class 15.

Alioto, Santo, & Sons, doing business under the name and style of Alto Products Co., Philadelphia, Pa. Canned vegetables, canned fruits, canned dog and cat food, etc. 541,157. Apr. 17; Serial No. 593,767, published Jan. 16, 1951. Class 46.

Allied Drugs, Inc., Hackensack, N. J. Medicinal preparation. 541,134. Apr. 17; Serial No. 592,453, published Jan. 9, 1951. Class 18.

Altman, B., & Co., New York, N. Y. Cameras and other photographic apparatus. 541,023. Apr. 17: Serial No. 570,166, published Jan. 16, 1951. Class 26.

Altman, B., & Co., New York, N. Y. Hosiery for women. 541,143. Apr. 17; Serial No. 592,969, published Jan. 30, 1951. Class 39.

Altman, B., & Co., New York, N. Y. Perfume, cologne, toilet water, toilet lotions, etc. 541,185. Apr. 17; Serial No. 597,115, published Dec. 26, 1950. Class 51.

Alto Products Co.: *See*—
Alioto, Santo, & Sons.

Ambrosia Chocolate Company, Milwaukee, Wis. Candy. 279,232, renewed Jan. 13, 1951. O. G. Apr. 17. Class 46.

American Character Doll Co., New York, N. Y. Dolls. 541,146. Apr. 17; Serial No. 593,154, published Dec. 19, 1950. Class 22.

American Gas Accumulator Company, Elizabeth, N. J. Luminous and nonluminous traffic signs. 279,247, renewed Jan. 13, 1951. O. G. Apr. 17. Class 50.

American-Marietta Company: *See*—
Marietta Paint & Color Company, The.

American Metal Company, Limited, The, New York, N. Y. Metal products. 282,235, renewed Apr. 14, 1951. O. G. Apr. 17. Class 14.

American Metal Company, Limited, The, New York, N. Y. Metal products. 283,049, renewed May 12, 1951. O. G. Apr. 17. Class 14.

American Paper Goods Company, The, Kensington, Conn. Paper in rolls, sheets, and blanks, etc. 80,968, renewed Feb. 21, 1951. O. G. Apr. 17. Class 37.

American Thread Company, The, New York, N. Y. Services rendered to garment manufacturers. 541,255. Apr. 17; Serial No. 553,663. Class 100.

Amplifier Corp. of America, New York, N. Y. Magnetic tape recording and reproducing apparatus. 541,224. Apr. 17; Serial No. 558,770. Class 21.

Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass bottles. 541,109. Apr. 17; Serial No. 589,062, published Dec. 19, 1950. Class 33.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Anti-shine preparation. 541,068. Apr. 17; Serial No. 582,339, published Dec. 5, 1950. Class 51.

Aristocrat Leather Products, Inc., New York, N. Y. Compacts and vanity cases. 541,080. Apr. 17; Serial No. 584,601, published Sept. 5, 1950. Class 2.

Armstrong, Earle F.: *See*—
Asphalt Products Co., Inc., The.

Artcote Papers, Inc., New York, N. Y., and Irvington, N. J., to Artcote Papers, Inc., Irvington, N. J. Coated, glazed, lacquered, sized, embossed, etc. papers. 279,382, renewed Jan. 13, 1951. O. G. Apr. 17. Class 37.

Asphalt Products Co., Inc., The, Syracuse, N. Y., to Earle F. Armstrong, Boston, Mass. Aluminum paint. 277,581, renewed Nov. 18, 1950. O. G. Apr. 17. Class 16.

Astro Glass Specialties Company, Hollywood and Los Angeles, assignor to Pacific Universal Products Corporation, Pasadena, Calif. Semi-transparent mirrored glass sheets. 540,984. Apr. 17: Serial No. 554,289, published Feb. 7, 1950. Class 33.

Atlas Supply Cmpany, Newark, N. J. Locking gas tank caps. 541,033. Apr. 17: Serial No. 573,608, published Jan. 16, 1951. Class 25.

Atwood Machine Company, The, Stonington, Conn., to Universal Winding Company, Cranston, R. I. Rubber and fabric composition belt. 284,260, renewed June 23, 1951. O. G. Apr. 17. Class 35.

Avalon Leather Board Company Limited, Street, England. Moulded stiffeners for boots and shoes. 540,992. Apr. 17; Serial No. 559,659, published Jan. 23, 1951. Class 39.

B. L. Dental Company, Inc., Forest Hills, N. Y. Acrylic resinous material. 541,025. Apr. 17; Serial No. 570,538, published Jan. 23, 1951. Class 44.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. 540,960. Apr. 17; Serial No. 540,972, published Dec. 28, 1948. Class 29.

Baker Clothes, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 541,057. Apr. 17; Serial No. 579,786, published Oct. 10, 1950. Class 39.

Basic Vegetable Products, Inc., Vacaville, Calif. Dried onions. 540,948. Apr. 17; Serial No. 519,048, published Jan. 23, 1951. Class 46.

Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frames and mountings. 541,045. Apr. 17; Serial No. 577,252, published Jan. 16, 1951. Class 26.

Baverey, François, Oullins, France, to Bendix Aviation Corporation, South Bend, Ind. Carburetors. 81,845, re-renewed May 16, 1951. O. G. Apr. 17. Class 23.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 277,807, renewed Nov. 25, 1950. O. G. Apr. 17. Class 39.

Bear Manufacturing Company, assignee: *See*—
Manbee Equipment Company, Inc.

Belk's Buying Service, Incorporated, Charlotte, N. C. Women's novelty shoes. 540,988. Apr. 17; Serial No. 536,534, published Jan. 30, 1951. Class 39.

Bell & Howell Company, Chicago, Ill. Condenser lenses. 540,952. Apr. 17; Serial No. 529,549, published July 12, 1949. Class 26.

Belmont Salt Brick Company, Inc.: *See*—
Belmont Stable Supply Company.

Belmont Stable Supply Company, New York, to Belmont Salt Brick Company, Inc., Le Roy, N. Y. Block salt. 35,786, re-renewed Jan. 15, 1951. O. G. Apr. 17. Class 46.

Bemis Bro. Bag Company, St. Louis, Mo. 541,101, Apr. 17. Cotton fabrics in the piece. Serial No. 588,269, published Aug. 1, 1950. Class 42; Tents, tarpaulins, and waterproof fabric covers. Serial No. 588,270, published Jan. 16, 1951. Class 50. (Consolidated certificate, Classes 42 and 50.)

Bendix Aviation Corporation: *See*—
Baverey, François.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fluorescent lamp holders for reflectors. 541,237, Apr. 17; Serial No. 581,856. Class 21.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Reflector fasteners. 541,238. Apr. 17; Serial No. 581,857. Class 21.

Bercy's Laboratories: *See*—
Fleron, M. M., & Son Inc.

Bigge Drayage Co., Oakland, Calif. Freight transportation by highway, etc. 541,202. Apr. 17; Serial No. 546,087, published Jan. 23, 1951. Class 105.

Blair of Virginia: *See*—
Morton Manufacturing Corp.

Boonville Mill and Grain Company: *See*—
Boonville Mills Company.

Bonnville Mills Company, to Boonville Mill and Grain Company, Boonville, Mo. Poultry feeds. 279,548, renewed Jan. 20, 1951. O. G. Apr. 17. Class 46.

Borg-Warner Corporation, Chicago, Ill. Refrigerators and refrigerating devices. 540,968. Apr. 17; Serial No. 546,932, published Jan. 9, 1951. Class 31.

Boss Manufacturing Company, The, Kewanee, Ill. Work gloves. 279,512, renewed Jan. 20, 1951. O. G. Apr. 17. Class 39.

Bourjois, Inc., New York, N. Y. Eau de cologne. 541,177, Apr. 17; Serial No. 596,155, published Dec. 26, 1950. Class 51.

Bradley, Milton, Company, Springfield, Mass. Board game. 541,009. Apr. 17; Serial No. 566,376, published Feb. 21, 1950. Class 22.

Bradley, Milton, Company, Springfield, Mass. Board game. 541,110, Apr. 17; Serial No. 589,106, published Jan. 9, 1951. Class 22.

Brainard Steel Company, Warren, Ohio. Manually operated tool. 541,137. Apr. 17; Serial No. 592,542, published Dec. 5, 1950. Class 23.

Brenner, Raymond: *See*—
Brenner, Raymond, Inc.

Brenner, Raymond, Inc., also trading as Raymond Brenner, Youngstown, Ohio. Ceramic articles. 541,132, Apr. 17; Serial No. 592,417, published Dec. 19, 1950. Class 30.

Brenner, Raymond, Inc., also trading as Raymond Brenner, Youngstown, Ohio. Glassware. 541,133, Apr. 17; Serial No. 592,418, published Dec. 19, 1950. Class 33.

Brevitt Shoes Limited, Leicester, England. Shoes. 444,470–1. Apr. 17; Serial Nos. 504,246–7, published Jan. 23, 1951. Class 39.

Brevitt Shoes Limited, Leicester, England. Shoes. 540,964. Apr. 17; Serial No. 543,772, published Jan. 23, 1951. Class 39.

Brockies, Andrew A.: *See*—
Brockies Foods Company.

Brockies Club Cafe: *See*—
Brockies Food Company.

Brockies Foods Company, doing business as Brockies Club Cafe, Dallas, Tex., assignee, by mesne assignments, of A. A. and Mrs. A. D. Brockies. Special salad dressing, mayonnaise, and French dressing. 540,947. Apr. 17; Serial No. 517,351, published Jan. 2, 1951. Class 46.

Brockies, Mrs. Abbie D.: *See*—
Brockies Food Company.

Bruder, M. A., & Sons, Incorporated, Philadelphia, Pa. Flat wall paint. 541,154, Apr. 17; Serial No. 593,710, published Jan. 2, 1951. Class 16.

Buffalo Evening News: *See*—
Butler, Edward H.

Burch Corporation, The, Crestline, Ohio. Road maintenance equipment. 541,044. Apr. 17; Serial No. 577,167, published Jan. 9, 1951. Class 23.

Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 541,135. Apr. 17; Serial No. 592,472, published Jan. 30, 1951. Class 39.

Butler, Edward H., individually and as trustee under the last will and testament of E. H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, Buffalo, N. Y. Newspaper columns or sections. 540,957. Apr. 17; Serial No. 539,648, published Jan. 30, 1951. Class 38.

Butler, Edward H., individually and as trustee under the last will and testament of E. H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, Buffalo, N. Y. Newspaper columns or sections. 540,958, Apr. 17; Serial No. 539,651, published Jan. 2, 1951. Class 38.

Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Certain abrasive articles and compounds. 280,073, renewed Feb. 10, 1951. O. G. Apr. 17. Class 4.

Cardinal Hosiery Co., Inc., New York, N. Y. Women's nylon stockings. 541,163, Apr. 17; Serial No. 594,518, published Jan. 30, 1951. Class 39.

Carolina Garment Company, High Point, N. C. Ladies' blue jeans and men's and boys' dungarees and overalls. 541,246. Apr. 17; Serial No. 589,828. Class 39.

Caron Corporation, New York, N. Y. Face powder and bath powder. 541,128. Apr. 17; Serial No. 591,911, published Dec. 5, 1950. Class 51.

Carter, William W., doing business as Standard Safety Service, Kansas City, Mo. Blank forms for bookkeeping. 541,209, Apr. 17; Serial No. 516,006. Class 37.

Caruso Brothers Produce Company, Kansas City, Mo. Fresh garlic. 541,027. Apr. 17; Serial No. 570,834, published Jan. 16, 1951. Class 46.

Castle Sporting Goods Inc., Brooklyn, N. Y. Cartridge belts, shell pouches, rifle slings, etc. 541,042. Apr. 17; Serial No. 576,399, published Dec. 19, 1950. Class 9.

Chapman & Rodgers, Inc., Philadelphia, Pa. Window cleaning preparation. 375,781. Feb. 27, 1940. Republished Apr. 17. Class 52.

Chapman & Rogers, Inc., Philadelphia, Pa. Insecticide. 403,017. Aug. 31, 1943. Republished Apr. 17. Class 6.

Chevette, Inc., New York, N. Y. Petticoats. 541,249, Apr. 17; Serial No. 592,874. Class 39.

Chicago Macaroni Co., Chicago, Ill. Macaroni. 288,333, Oct. 27, 1931. Republished Apr. 17, 1951. Class 46.

Chicago Vitreous Enamel Product Company, Cicero, Ill. Monthly publications. 279,406, renewed Jan. 13, 1951. O. G. Apr. 17. Class 38.

Chipman Knitting Mills, Easton, Pa. Hosiery. 126,400. Aug. 26, 1919. Republished Apr. 17. Class 39.

Chi-Namel Paint & Varnish Co.: *See*—
Minnesota Linseed Oil Paint Company.

Claflin Flour Mills: *See*—
Colorado Milling & Elevator, The.

Clark Brothers Chewing Gum Company, Pittsburgh, Pa. Chewing gum. 541,001. Apr. 17; Serial No. 563,603, published Dec. 26, 1950. Class 46.

Clark, C. & J., Limited, Street, England. Orthopaedic appliances. 541,019. Apr. 17; Serial No. 569,349, published Jan. 23, 1951. Class 44.

Clark, Francis, Waterbury, Conn. Lighting services. 541,256, Apr. 17; Serial No. 584,525. Class 103.

Clinton Foods Inc., Clinton, Iowa. Corn starch. 541,145, Apr. 17; Serial No. 593,107, published Jan. 9, 1951. Class 46.

Clock-Wise Fashions, Dallas, Tex. Dresses, play suits, slacks, etc. 541,083. Apr. 17; Serial No. 584,800, published Jan. 30, 1951. Class 39.

Coblentz Bag Company, Inc., New York, N. Y. Ladies' handbags. 541,193. Apr. 17; Serial No. 601,024, published Jan. 23, 1951. Class 3.

Cohen, M. & B., Co., to M. & B. Cohen Co., Inc., New York, N. Y. Men's, youths', and boys' suits, etc. 281,053, renewed Mar. 10, 1951. O. G. Apr. 17. Class 39.

Cohen, M. & B., Co., Inc.: *See*—
Cohen, M. & B., Co.

Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps and perfumes. 36,560, re-renewed June 11, 1951. O. G. Apr. 17. Class 51.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 541,093, Apr. 17; Serial No. 586,140, published Jan. 23, 1951. Class 52.

Colonial Knife Company, Inc., Providence, R. I. Pocket knives. 541,031, Apr. 17; Serial No. 573,118, published Dec. 26, 1950. Class 23.

Colorado Milling & Elevator Co., The, doing business as The Claflin Flour Mills, Denver, Colo., Claflin, Kans., and elsewhere. Wheat flour. 540,976, Apr. 17; Serial No. 551,612, published Oct. 31, 1950. Class 46.

Colson Corporation, The, Elyria, Ohio. Wood-furniture casters, metal-furniture casters, stem casters, etc. 541,049, Apr. 17; Serial No. 578,569, published Jan. 30, 1951. Class 13.

Comet Model Hobbycraft, Inc., Chicago, Ill. Model airplane kits. 541,131, Apr. 17; Serial No. 592,359, published Dec. 19, 1950. Class 22.

Comptoir de l'Industrie Cotonniere Société à Responsabilité Limitée, Paris, France. Gloves. 541,088, Apr. 17; Serial No. 585,513, published Jan. 30, 1951. Class 39.

Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée, Paris, France. Yarn. 540,089, Apr. 17; Serial No. 585,514, published Jan. 23, 1951. Class 43.

Conn Knitting Mills, Inc., Oswego, N. Y. Knitted under shirts and knitted underwear. 541,022, Apr. 17; Serial No. 569,672, published Jan. 30, 1951. Class 39.

Consolidated Cosmetics, Chicago, Ill. Lipstick, face powder, solid cologne and brilliantine. 541,119, Apr. 17; Serial No. 591,020, published Dec. 12, 1950. Class 51.

Consolidated Royal Chemical Corporation, Chicago, Ill., assignee of Lee Pharmacal Co. Preparation for waving the hair. 541,231, Apr. 17; Serial No. 570,782. Class 51.

Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich. Internal combustion engines and parts therefor; etc. 444,468, Apr. 17; Serial No. 499,395, published May 9, 1950. Class 23.

Cook Paint & Varnish Company: *See*—
Cook Paint and Varnish Company.

Cook Paint and Varnish Company, North Kansas City, to Cook Paint & Varnish Company, Kansas City, Mo. Paints. 284,119, renewed June 16, 1951. O. G. Apr. 17. Class 16.

Cook's, Adam, Sons, Inc.: *See*—
Albany Lubricating Co.

Cooper, William, Macopin, N. J. Pine jelly soap. 541,144, Apr. 17; Serial No. 593,056, published Jan. 23, 1951. Class 52.

Coury, Louis G., Passaic, N. J. Automatic coin operated body massaging vibrating machine. 541,148, Apr. 17; Serial No. 593,333, published Jan. 9, 1951. Class 44.

Craddock-Terry Shoe Corp., Lynchburg, Va. Women's shoes. 541,181, Apr. 17; Serial No. 596,654, published Jan. 23, 1951. Class 39.

Craftsmen's Guild, Hollywood, Calif. Viewers for holding photographic slides. 541,212, Apr. 17; Serial No. 532,277. Class 26.

Cronow Watch Co., Inc., New York, N. Y. Watches. 541,242, Apr. 17; Serial No. 587,320. Class 27.

Cunningham, M. E., Company, Pittsburgh, Pa. Tools which in service are struck by hammers. 541,214, Apr. 17; Serial No. 536,353. Class 23.

Currick & Leiken Co., Inc., New York, N. Y. Sport jackets, sport suits, slacks, etc. 541,115, Apr. 17; Serial No. 589,936, published Jan. 9, 1951. Class 39.

Cussins and Fearn Company, The, Columbus, Ohio. Measuring rules, tape measures, carpenters' levels, etc. 540,977, Apr. 17; Serial No. 551,616, published Jan. 9, 1951. Class 26.

Daisy Pet Food Co., Hollywood, Calif. Dog and cat food. 541,092, Apr. 17; Serial No. 586,048, published Dec. 5, 1950. Class 46.

Dannen Mills, Inc., St. Joseph, Mo. Feeds. 540,965, Apr. 17; Serial No. 543,903, published Oct. 3, 1950. Class 46.

Davidson Brothers Corp., The, New York, N. Y. Ladies' and misses' slips and nightgowns. 541,240, Apr. 17; Serial No. 584,531. Class 39.

Dayton Rubber Company, The, Dayton, Ohio. Sponge rubber. 540,997, Apr. 17; Serial No. 561,811, published Jan. 23, 1951. Class 1.

Delaware Dyeing & Finishing Co., Inc., Easton, Pa. Processing and finishing fabrics. 541,205, Apr. 17; Serial No. 586,401, published Jan. 23, 1951. Class 106.

Delta-Star Electric Company, Chicago, Ill. Forged-steel pipe fittings. 280,112, renewed Feb. 10, 1951. O. G. Apr. 17. Class 13.

De Luxe Products Corporation, La Porte, Ind. Removable sump for an oil filter. 541,071, Apr. 17; Serial No. 582,523, published Jan. 23, 1951. Class 31.

Desitin Chemical Co., Providence, R. I. Nursery and toilet powder. 541,180, Apr. 17; Serial No. 596,486, published Dec. 26, 1950. Class 51.

Detroit Lubricator Company, Detroit, Mich. Electrothermally operated valves and parts thereof. 541,239, Apr. 17; Serial No. 584,270. Class 26.

Diamond Alkali Company, Pittsburgh, Pa., to Diamond Alkali Company, Cleveland, Ohio. Sodium bicarbonate. 282,927, renewed May 5, 1951. O. G. Apr. 17. Class 6.

Diamond Match Company, The, New York, N. Y. Matches. 541,112, Apr. 17; Serial No. 589,644, published Jan. 30, 1951. Class 9.

Dickinson Clothes, Inc., Philadelphia, Pa. Men's suits, overcoats, and topcoats. 279,430, renewed Jan. 13, 1951. O. G. Apr. 17. Class 39.

Dispersions Process, Inc., to United States Rubber Company, New York, N. Y. Rubber dispersed in a water medium. 281,151, renewed Mar. 10, 1951. O. G. Apr. 17. Class 1.

Dolly Hosiery Mills, Inc., Valdese, N. C. Infants' hosiery. 541,164, Apr. 17; Serial No. 594,527, published Jan. 30, 1951. Class 39.

Dolly Hosiery Mills, Inc., Valdese, N. C. Infants' hosiery. 541,183, Apr. 17; Serial No. 596,719, published Jan. 30, 1951. Class 39.

Dorset Mail Order Corporation, Brooklyn, N. Y. Shoes. 541,086, Apr. 17; Serial No. 585,109, published Jan. 23, 1951. Class 39.

Dow Plating Laboratories, Davison, Mich. Artificial casting and trolling lure. 541,102, Apr. 17; Serial No. 588,291, published Dec. 19, 1950. Class 22.

Drennan, Carl M., Pittsburgh, Pa. Silent still and motion pictures, etc. 540,995, Apr. 17; Serial No. 560,871, published Jan. 2, 1951. Class 26.

Dunbar Glass Corporation, Dunbar, W. Va. Glass jugs; vases, jars; sandwich trays; etc. 541,004, Apr. 17; Serial No. 564,015, published Dec. 19, 1950. Class 33.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. X-ray diffraction filters, fluoroscopes, and mountings for fluoroscopic screens. 541,064, Apr. 17; Serial No. 581,801, published Jan. 9, 1951. Class 44.

Eastman Kodak Company: *See*—
Tennessee Eastman Corporation.

Eaton Laboratories Inc., Norwich, N. Y. Anti-mycotic, anti-bacterial preparations. 541,155, Apr. 17; Serial No. 593,715, published Jan. 9, 1951. Class 18.

Edmunds, George B., Atlanta, Ga. Perfumes. 540,985, Apr. 17; Serial No. 555,393, published Dec. 26, 1950. Class 51.

Edward Valves, Inc., East Chicago, Ind. Instrument for checking the fit of the mating parts of a valve. 541,024, Apr. 17; Serial No. 570,292, published Jan. 16, 1951. Class 26.

Elgin National Watch Company, Elgin and Chicago, to Elgin National Watch Company, Elgin, Ill. Watch-movements. 82,141, re-renewed June 6, 1951. O. G. Apr. 17. Class 27.

Elowsky, S. M., & Co., Brooklyn, by Sporteens, Inc., New York, N. Y. Athletic apparel. 176,270, Nov. 20, 1923. Republished Apr. 17. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies' dresses. 541,081, Apr. 17; Serial No. 584,720, published Jan. 23, 1951. Class 39.

Embrusa, Inc., New York, N. Y. Millinery braids. 541,227, Apr. 17; Serial No. 565,915. Class 40.

Essential Cosmetics Inc., New York, N. Y. Cosmetic preparations. 541,226, Apr. 17; Serial No. 564,773. Class 51.

Excel Garment Manufacturing Company, Minneapolis, Minn. Children's outer garments. 541,060, Apr. 17; Serial No. 580,981, published Jan. 2, 1951. Class 39.

Fanlator, Inc., Cambridge, Mass. Automotive accessory. 541,153, Apr. 17; Serial No. 593,657, published Jan. 23, 1951. Class 31.

Farmer, Claudia M., doing business as Far-Mo Laboratories, Omaha, Nebr. Oil for hair and scalp. 541,152, Apr. 17; Serial No. 593,476, published Dec. 5, 1950. Class 51.

Far-Mo Laboratories: *See*—
Farmer, Claudia M.

Federal Storage Battery Co., Chicago, Ill. Storage batteries and maintenance and display stands. 541,232, Apr. 17; Serial No. 570,843. Class 21.

Filoon, V. & F. W., Company, Brockton, Mass. Inner soles for shoes. 281,941, Apr. 7, 1931. Republished Apr. 17. Class 39.

Fingerhut, David, Inc., New York, N. Y. Portable electric lamps. 541,243, Apr. 17; Serial No. 588,085. Class 21.

Fleron, M. M., & Son Inc., doing business as Bercy's Laboratories, Trenton, N. J. Shaving cream, skin cream, face lotions, etc. 541,085, Apr. 17; Serial No. 584,951, published Oct. 31, 1950. Class 51.

Flexon Products Corporation, New York, N. Y. Television viewing filters. 541,047, Apr. 17; Serial No. 577,712, published Jan. 16, 1951. Class 26.

Forest City Manufacturing Company, St. Louis, Mo. Ladies' and misses' sport dresses and casual dresses. 541,184, Apr. 17; Serial No. 596,839, published Jan. 23, 1951. Class 39.

Frantz Manufacturing Co., Sterling, Ill. Doors. 282,609, renewed Apr. 28, 1951. O. G. Apr. 17. Class 12.

Fresh Corporation, Miami, Fla. Fresh orange juice. 541,069, Apr. 17; Serial No. 582,350, published Jan. 16, 1951. Class 46.

Frisch, H. E., Knitting Mills Company, The, Cleveland, Ohio. Shawls for babies. 541,241, Apr. 17; Serial No. 584,759. Class 39.

Frosst, Charles E., & Co., Montreal, Quebec, Canada. Anticoagulant chemical, phenylindnedione. 541,122, Apr. 17; Serial No. 591,416, published Jan. 9, 1951. Class 18.

Gallenkamp Stores Co., Los Angeles, Calif. Men's shoes. 540,970, Apr. 17; Serial No. 549,144, published Jan. 30, 1951. Class 39.

Gardner Baking Company, Madison, Wis. Bread, cakes, doughnuts, etc. 541,035, Apr. 17; Serial No. 575,345, published Jan. 16, 1951. Class 46.

General Baking Company, New York, N. Y. Bread. 284,246, renewed June 23, 1951. O. G. Apr. 17. Class 46.

General Paint & Varnish Co., Chicago, Ill. Ready-mixed paint, varnishes, wood stains, etc. 541,003, Apr. 17; Serial No. 564,004, published Jan. 2, 1951. Class 16.

General Time Corporation: *See*—
Western Clock Mfg. Co., The.

Gibbons, Guy L., Newton, Mass. Games. 541,055, Apr. 17; Serial No. 579,494, published Dec. 19, 1950. Class 22.

Gillette Safety Razor Company, Boston, Mass. Creme hair dressing. 541,186, Apr. 17; Serial No. 597,146, published Dec. 26, 1950. Class 51.

Gilmer, L. H., Co., Philadelphia, Pa., to United States Rubber Company, New York, N. Y. Woven belts. 280,731, renewed Feb. 24, 1951. O. G. Apr. 17. Class 35.

Goldman Pressing Machine Corp., Brooklyn, N. Y. Reducing valves, check valves, globe valves, etc. 541,174, Apr. 17; Serial No. 595,777, published Jan. 30, 1951. Class 13.

Good Luck Glove Company, Carbondale, Ill. Work gloves. 540,951, Apr. 17. Serial No. 529,160, published Jan. 30, 1951. Class 39.

Grandma Baking Company, Los Angeles, Calif. Bakery products. 541,048, Apr. 17; Serial No. 578,445, published Jan. 16, 1951 Class 46.

Great Western Sugar Company, The, Denver, Colo. Sugar beet seed. 541,013, Apr. 17; Serial No. 567,261, published Jan. 16, 1951. Class 1.

Greenberg-Fisch Hat Co., New York, N. Y. Ladies' hats. 540,955, Apr. 17; Serial No. 539,047, published Jan. 30, 1951. Class 39.

Greyhound Corporation, The, Chicago, Ill. Transportation by motor bus. 541,197–9, Apr. 17; Serial Nos. 530,196–8, published Jan. 16, 1951. Class 105.

Gribin, Louis, Inc., New York, N. Y. Women's fur apparel. 541,038, Apr. 17; Serial No. 575,802, published Jan. 2, 1951. Class 39.

Gulf Vegetable and Fruit Company, Inc., Weslaco, Tex. Fresh vegetables. 279,234, renewed Jan. 13, 1951. O. G. Apr. 17. Class 46.

Halliday, John, & Son Limited, Dublin and Dundalk, Ireland. Leather shoes. 541,225, Apr. 17; Serial No. 561,746. Class 39.

Hannah, W. S., & Sons, Grand Rapids, Mich. Baby chicks hatching eggs, pullets, and chicken breeding stock. 541,046, Apr. 17; Serial No. 577,326, published Jan. 23, 1951. Class 1.

Hansley Mills, Inc., Paris, Ky. Children's outer and under shorts. 541,095, Apr. 17; Serial No. 586,855, published Jan. 30, 1951. Class 39.

Harrison Hosiery Mills, Inc., Brighton, Mass. Women's nylon hosiery. 541,079, Apr. 17; Serial No. 583,451, published Jan. 16, 1951. Class 39.

Harvey, Alfred, by E. Harvey, New York, N. Y. Magazine. 397,778, Sept. 22, 1942. Republished Apr. 17. Class 38.

Harvey, Eva: *See*—
Harvey, Alfred.

Hastings & Co., Inc., Philadelphia, Pa. Metallic paint. 541,236, Apr. 17; Serial No. 581,066. Class 16.

Hawley Products Company, St. Charles, Ill. Sled tops, football helmets and bases. 541,070, Apr. 17; Serial No. 582,427, published Jan. 9, 1951. Class 22.

Heat Timer Corporation, New York, N. Y. Thermostatic controlled valves and parts thereof for heating apparatus. 541,234, Apr. 17; Serial No. 573,369. Class 26.

Heath, Colin: *See*—
Heath's Bead Shop, Inc.

Heath's Bead Shop, Inc., to C. Heath, doing business as "Heath's Gift Shop," St. Petersburg, Fla. Bead necklaces and strings of beads. 279,467, renewed Jan. 13, 1951. O. G. Apr. 17. Class 28.

"Heath's Gift Shop": *See*—
Heath's Bead Shop, Inc.

Henry Company, The: *See*—
Meyers, Henry.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles, collar holders, cuff buttons, and cuff links, etc. 541,191, Apr. 17; Serial No. 598,016, published Jan. 23, 1951. Class 40.

Hilton Clothes, Inc., Linden, N. J. Men's sport coats. 541,149, Apr. 17; Serial No. 593,352, published Jan. 2, 1951. Class 39.

Hockaday, Inc., Chicago, Ill. Varnish. 540,946, Apr. 17; Serial No. 515,564, published Jan. 9, 1951. Class 16.

Hoffmann-La Roche Inc., Nutley, N. J. Lipotropic and dietary supplements. 541,178, Apr. 17; Serial No. 596,167, published Jan. 30, 1951. Class 18.

Holland-Rantos Co., Inc., New York, N. Y. Clinical teaching model of the human anatomy. 544,005, Apr. 17; Serial No. 564,124, published Dec. 19, 1950. Class 50.

Hollins, William, & Company Limited, Nottingham, England. Knitting wool and knitting yarn. 541,192, Apr. 17; Serial No. 600,486, published Jan. 23, 1951. Class 43.

Hooper, William E., & Sons Company, Philadelphia, Pa. Cotton rope, sash cord, seine twines, etc. 540,953, Apr. 17; Serial No. 536,605, published Aug. 15, 1950. Class 7.

Hoosier Factories, Inc., Michigan City, Ind. Men's and boys' trousers. 541,000, Apr. 17; Serial No. 563,339, published Jan. 23, 1951. Class 39.

Howe, George J., Company, Grove City, Pa. Coffee. 277,871, Dec. 2, 1930. Republished Apr. 17. Class 46.

Hubbard House, Inc., Washington, D. C., and Bethesda, Md. Restaurant services. 541,200, Apr. 17; Serial No. 542,948, published Jan. 23, 1951. Class 100.

Hudnut, Richard, New York, N. Y. Cake makeup. 541,211, Apr. 17; Serial No. 532,222. Class 51.

Hygienic Wire Works, Ltd.: *See*—
Hygienic Wire Works Ltd.

Hygienic Wire Works Ltd., London, to Hygienic Wire Works, Ltd. Mitcham, England. Bird cages. 280,212, renewed Feb. 10, 1951. O. G. Apr. 17. Class 2.

Infra-Appliances Corporation, New York, N. Y. Therapeutic lamps. 541,032, Apr. 17; Serial No. 573,158, published Jan. 9, 1951. Class 44.

International Industrial Sales Company: *See*—
Sleight, Roland E.

International Nickel Company, Inc., The, New York, N. Y. Nickel-containing iron castings. 284,286, renewed June 23, 1951. O. G. Apr. 17. Class 14.

Ithaca Gun Company, Inc., Ithaca, N. Y. Double barrel sporting shotguns, single barrel sporting shotguns, etc. 541,130, Apr. 17; Serial No. 592,207, published Jan. 23, 1951. Class 9.

Jasper, William G., West Monroe, La. Periodical publication. 540,974, Apr. 17; Serial No. 550,513, published Jan. 16, 1951. Class 38.

Jeddo-Highland Coal Company, Jeddo, Pa. Coal. 540,986, Apr. 17; Serial No. 556,344, published Jan. 2, 1951. Class 1.

Jeunisse Fashions, Inc., New York, N. Y. Ladies' suits and vests, skirts, etc. 541,189, Apr. 17; Serial No. 597,830, published Jan. 30, 1951. Class 39.

Johnson, "Joni," Leaders, June Lake, Calif. Fishing-leaders. 541,076, Apr. 17; Serial No. 583,935, published Jan. 9, 1951. Class 22.

K-P-C Company: *See*—
Kraft-Phenix Cheese Company.

Kahn, Inc., Chicago, Ill. Maternity girdles. 541,066, Apr. 17; Serial No. 582,085, published Jan. 16, 1951. Class 39.

Kahn, David, Inc., North Bergen, N. J. Fountain pens. 541,222, Apr. 17; Serial No. 554,981. Class 37.

Kano Laboratories: *See*—
O'Kane, Thomas J.

Katz Drug Company, Kansas City, Mo. House paint; barn paint; floor paint; etc. 540,981, Apr. 17; Serial No. 552,787, published Jan. 9, 1951. Class 16.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Soy flour. 541,008, Apr. 17; Serial No. 564,531, published Jan. 23, 1951. Class 1.

Kennedy, Rosemary K., doing business as The Stifnek Co., Longmeadow, Mass. Man's shirt collar supporting device. 541,139, Apr. 17; Serial No. 592,816, published Jan. 23, 1951. Class 40.

Kent, G. B., & Sons Limited: *See*—
Kent Brush Sales Corporation.

Kent Brush Sales Corporation, New York, N. Y., to G. B. Kent & Sons Limited, London, England. Tooth-brushes, hairbrushes, hand brushes, etc. 280,509, renewed Feb. 17, 1951. O. G. Apr. 17. Class 29.

Kerotest Manufacturing Company, Pittsburgh, Pa. Refrigeration accessories. 540,993, Apr. 17; Serial No. 560,026, published Dec. 26, 1950. Class 31.

Kerr, Lawrence A., Honolulu, Territory of Hawaii, to L. A. Kerr, Glendale, Calif. Work dress leather, canvas and sport shoes, etc. 282,244, renewed Apr. 14, 1951. O. G. Apr. 17. Class 39.

King Ranch, Kingsville, Tex. Livestock. 541,194, Apr. 17; Serial No. 605,703, published Dec. 26, 1950. Class 1.

King Research, Inc., Brooklyn, N. Y. Hair rinsing solution. 541,175, Apr. 17; Serial No. 595,965, published Dec. 26, 1950. Class 51.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. 541,208, Apr. 17; Serial No. 515,568. Class 39.

Kline, George, doing business as Mot-O-Run Company, New York, N. Y. Game. 541,114, Apr. 17; Serial No. 589,901, published Jan. 9, 1951. Class 22.

Kohnstamm, H., & Co., New York and Brooklyn, N. Y., Pavonia and Fish House, N. J., to H. Kohnstamm & Co., Inc., New York, N. Y. Wheat starch and corn starch. 82,093, re-renewed May 30, 1951. O. G. Apr. 17. Class 46.

Kohnstamm, H., & Co., Inc.: *See*—
Kohnstamm, H., & Co.

Kohnstamm, H., & Co., Inc., New York, N. Y. Concentrated imitation vanilla. 541,150, Apr. 17; Serial No. 593,418, published Jan. 16, 1951. Class 46.

Kohnstamm, H., & Co., Inc., New York, N. Y. Pigment colors for printing inks. 541,161, Apr. 17; Serial No. 594,475, published Jan. 30, 1951. Class 11.

Kraft Foods Company: *See*—
Kraft-Phenix Cheese Company.
Miller-Richardson Co. Inc.

Kraft-Phenix Cheese Company, now by change of name K-P-C Company, assignor to Kraft-Phenix Cheese Corporation, by Kraft Foods Company, Chicago, Ill. Mayonnaise, salad dressing, and relish spread. 281,323, Mar. 17, 1931. Republished Apr. 17. Class 46.

Kraft-Phenix Cheese Corporation, assignee: *See*—
Kraft-Phenix Cheese Company.

Krano Products Company: *See*—
Krano Sanitary & Janitor Supply Co.

Krano Sanitary & Janitor Supply Co., Chicago, Ill., now by change of name Krano Products Company. Primer compound paint, surface sealer compound, etc. 540,978, Apr. 17; Serial No. 551,715, published Jan. 10, 1950. Class 16.

Krempler, Florence, Stapleton, N. Y. Pony ride toy. 541,108, Apr. 17; Serial No. 589,026, published Jan. 9, 1951. Class 22.

Kwal Paint Laboratories, Inc., Denver, Colo. Exterior and interior house paints and enamels. 541,028, Apr. 17; Serial No. 571,148, published Jan. 2, 1951. Class 16.

Kwan Yick Fireworks Company: *See*—
Tong, Tang Pik.

La Corporation de La Trappe de Notre-Dame-du-Lac-des Deux Montagnes, La Trappe, Quebec, Canada. Cheese. 281,851, renewed Mar. 31, 1951. O. G. Apr. 17. Class 46.

La Gaine Scandale: *See*—
Occulta.
Société Anonyme des Bas "Occulta."

Lapin Products, Inc., Newark, N. J. Sunglasses. 444,473, Apr. 17; Serial No. 525,605, published Jan. 9, 1951. Class 26.

Lavin, Jose D., Mexico City, Mex. Carburetors for automobiles. 541,127, Apr. 17; Serial No. 591,740, published Dec. 26, 1950. Class 23.

Lee Pharmacal Co.: *See*—
Consolidated Royal Chemical Corporation.

Leggett, Francis H., & Company, New York, N. Y. Toilet tissue and paper towels. 541,254, Apr. 17; Serial No. 598,023. Class 37.

Lewis, Dallas B., doing business as Skippy Pet Food Co., Los Angeles, Calif. Dog and cat food. 541,067, Apr. 17; Serial No. 582,136, published Jan. 23, 1951. Class 46.

Lilee Products, Inc., Chicago, Ill. Racks designed to be affixed to the wall or door. 541,151, Apr. 17; Serial No. 593,423, published Jan. 30, 1951. Class 13.

Lima-Hamilton Corporation, Lima, Ohio, by change of name from Lima Locomotive Works, Incorporated. Material and load moving and handling equipment. 540,949, Apr. 17; Serial No. 523,846, published Dec. 26, 1950. Class 23.

Lima Locomotive Works, Incorporated: *See*—
Lima-Hamilton Corporation.

Liquidepth Indicators Incorporated, Long Island City, N. Y. Dial, magnetic gauges. 541,213, Apr. 17; Serial No. 534,903. Class 26.

Loeser, Frederick, & Co. Inc., Brooklyn, N. Y. Women's leather and fabric shoes. 278,225, Dec. 9, 1930. Republished Apr. 17. Class 39.

Logan Fuel Company, Incorporated, Cincinnati, Ohio. 541,113, Apr. 17; Serial No. 589,732, published Jan. 16, 1951. Class 1.

Louis, Sidney, doing business as Shrell Products, Chicago, Ill. Rubber belt to be worn over blouses and shirts. 541,168, Apr. 17; Serial No. 594,798, published Jan. 23, 1951. Class 39.

M & R Dietetic Laboratories, Inc., Columbus, Ohio. Powdered skimmed milk and powdered whole milk. 280,282, renewed Feb. 10, 1951. O. G. Apr. 17. Class 46.

Magid, Philip, Brooklyn, N. Y. Gun swivels. 541,100, Apr. 17; Serial No. 587,810, published Dec. 19, 1950. Class 9.

Malamut & Chanen, Philadelphia, Pa. Sanitary belts. 541,050, Apr. 17; Serial No. 578,606, published Jan. 9, 1951. Class 44.

Maltine Company, The, Morris Plains, N. J. Pharmaceutical product. 541,026, Apr. 17; Serial No. 570,785, published Feb. 28, 1950. Class 18.

Manbee Equipment Company, Inc., Chicago, assignor to Bear Manufacturing Company, Rock Island, Ill. Apparatus for gauging the positioning and alignment of the wheels and wheel suspension parts of motor vehicles. 541,036, Apr. 17; Serial No. 575,414, published Jan. 16, 1951. Class 26.

Mancini Packing Company, The, New Britain, Conn. Canned and bottled roasted peppers. 541,165, Apr. 17; Serial No. 594,558, published Jan. 16, 1951. Class 46.

Manning, Maxwell & Moore, Inc., Muskegon, Mich. Electrically driven crane bridge drive units, reels for electric current, etc. 541,063, Apr. 17; Serial No. 581,673, published Jan. 16, 1951. Class 21.

Marietta Paint & Color Company, The, Marietta, Ohio, to American-Marietta Company, Chicago, Ill. Specially-prepared oil to be used in place of the usual mixture of linseed and turpentine. 278,991, renewed Jan. 6, 1951. O. G. Apr. 17. Class 16.

Markwell Manufacturing Company, Inc., New York, N. Y. Comics. 541,136, Apr. 17; Serial No. 592,506, published Jan. 23, 1951. Class 38.

Maskinfabriken Notam Aktieselskab, Copenhagen, Denmark. Machines and needles for relooping knitted fabrics. 541,098, Apr. 17; Serial No. 587,358, published Jan. 2, 1951. Class 23.

Mayer, Oscar, & Co., Inc.: *See*—
Vogt, F. G., & Sons, Incorporated.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Absorbents, alternatives, analgesics, anaphrodisiacs, etc. 279,146, renewed Jan. 6, 1951. O. G. Apr. 17. Class 51.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Effervescent laxative salts. 279,351, renewed Jan. 13, 1951. O. G. Apr. 17. Class 18.

McNeil Laboratories, Incorporated: *See*—
McNeil, Robert.

McNeil, Robert, to McNeil Laboratories, Incorporated, Philadelphia, Pa. Nontoxic and aseptic medicated cones. 281,826, renewed Mar. 31, 1951. O. G. Apr. 17. Class 18.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Liquid roof coatings. 541,014, Apr. 17; Serial No. 567,642, published Jan. 2, 1951. Class 16.

Meyers, Henry, doing business under the name of The Henry Company, New York, N. Y. Ladies' handbags. 541,251, Apr. 17; Serial No. 593,738. Class 3.

Mid-West Bottle Cap Co., Belvidere, Ill. Dairy bottle caps. 540,998, Apr. 17; Serial No. 562,651, published Dec. 19, 1950. Class 50.

Miller-Jones Company, Columbus, Ohio. Shoes for men and women. 541,040, Apr. 17; Serial No. 576,271, published Jan. 23, 1951. Class 39.

Miller-Jones Company, Columbus, Ohio. Shoes for women. 541,041, Apr. 17; Serial No. 576,272, published Jan. 23, 1951. Class 39.

Miller-Richardson Co. Inc., Lowville, N. Y., by Kraft Foods Company, Chicago, Ill. Cheese. 280,555, Feb. 17, 1931. Republished Apr. 17. Class 46.

Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc. Ready mixed interior paints. 540,956, Apr. 17; Serial No. 539,610, published Jan. 2, 1951. Class 16.

Minnesota Paints Inc.: *See*—
Minnesota Linseed Oil Paint Company.

Minnesota Sportswear Manufacturing Company, Minneapolis, Minn. Lined snow suits for children. 540,994, Apr. 17; Serial No. 560,823, published Jan. 2, 1951. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Insoles. 540,963, Apr. 17; Serial No. 543,642, published Jan. 9, 1951. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Men's and women's locker sandals. 540,991, Apr. 17; Serial No. 557,858, published Jan. 9, 1951. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber soles and heels. 541,190, Apr. 17; Serial No. 597,969, published Jan. 23, 1951. Class 39.

Modglin Company, Inc., Los Angeles, Calif. Whisk brooms. 541,210, Apr. 17; Serial No. 523,878. Class 29.

Monkey Tongues Company: *See*—
Neumann, Martha.

Moore & Company, Inc., Worcester, Mass. Sulfamerazine, sulfadiazine, sulfathiazole, acetylsalicylic acid, etc. 541,053, Apr. 17; Serial No. 579,203, published Jan. 23, 1951. Class 18.

Moore, Samuel, & Company, Mantua, Ohio. Structural member having a surface coated with a resinous plastic material. 541,087, Apr. 17; Serial No. 585,135, published Jan. 9, 1951. Class 1.

Morton Manufacturing Corp., doing business as Blair of Virginia, Lynchburg, Va. Liniment, bitter herb compound, laxative chewing gum, etc. 541,104, Apr. 17; Serial No. 588,649, published Jan. 23, 1951. Class 18.

Mot-O-Run Company: *See*—
Kline, George.

National Aluminate Corporation, Chicago, Ill. Chemicals. 303,317, May 23, 1933. Republished Apr. 17. Class 6.

National Association of Sanitarians, Los Angeles, Calif. Periodical publication. 541,138, Apr. 17; Serial No. 592,681, published Jan. 9, 1951. Class 38.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Canned foods. 541,084, Apr. 17; Serial No. 584,827, published Jan. 23, 1951. Class 46.

National Steel and Tube Company: *See*—
Vincent, Duane.

Nelson, James, Limited, Valley Mills, Nelson, Lancashire, England. Cotton piece goods. 282,325, renewed Apr. 21, 1951. O. G. Apr. 17. Class 42.

Neumann, Martha, doing business as Monkey Tongues Company, Hewlett, N. Y. Tongue depressors. 541,029, Apr. 17; Serial No. 572,040, published Jan. 16, 1951. Class 44.

New Sonoma Creamery, San Francisco, Calif. Bulk cheeses. 540,140, Apr. 17; Serial No. 592,828, Jan. 2, 1951. Class 46.

New York Herald Tribune Inc., New York, N. Y. Comic strip. 541,147, Apr. 17; Serial No. 593,282, published Jan. 23, 1951. Class 38.

Niagara Filter Corporation, Buffalo, N. Y. Filtering leaf devices. 541,187, Apr. 17; Serial No. 597,220, published Dec. 26, 1950. Class 31.

No-Sag Spring Company, Warren Township, Macomb County, Mich. Springs, spring assemblies and units for upholstered furniture. 540,945, Apr. 17; Serial No. 512,014, published Nov. 21, 1950. Class 32.

Occults, by La Gaine Scandale, Lyon, France. Corsets, corselets, brassières, etc. 340,922, Nov. 24, 1936. Republished Apr. 17, 1951. Class 39.

O'Donnell Shoe Corporation, Humboldt, Tenn. Shoes. 540,962, Apr. 17; Serial No. 542,337, published Jan. 2, 1951. Class 39.

Ohio Fruit Products Co., Inc., Cleveland, Ohio, and North East, Pa. Bottled cherries. 540,950, Apr. 17; Serial No. 528,580, published Jan. 4, 1949. Class 46.

Ohio Truss Company, The, to Surgical Appliance Industries Inc., Cincinnati, Ohio. Surgical and abdominal belts and hip reducers. 283,041, renewed May 12, 1951. O. G. Apr. 17. Class 44.

O'Kane, Thomas J., doing business as Kano Laboratories, Chicago, Ill. Trade paper. 541,169, Apr. 17; Serial No. 595,085, published Jan. 23, 1951. Class 38.

Oliner, Saul, New York, N. Y. Hair nets. 541,252, Apr. 17; Serial No. 593,814. Class 39.

Oren, Bernard S., doing business as United States Industries, Chicago, Ill. Power driven sanding machines and parts thereof. 541,058, Apr. 17; Serial No. 579,994, published Dec. 5, 1950. Class 23.

Ortho Pharmaceutical Corporation, Raritan, N. J. Zippered bag containing a pessary and vaginal creams and jellies. 541,039, Apr. 17; Serial No. 575,924, published Dec. 5, 1950. Class 18.

Our Store Brands, Inc., West Des Moines, Iowa. Women's hosiery. 541,166, Apr. 17; Serial No. 594,572, published Jan. 30, 1951. Class 39.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pacific Mutual Life Insurance Company, Los Angeles, Calif. Underwriting of life and endowment insurance, etc. 541,203, Apr. 17; Serial No. 564,398, published Jan. 23, 1951. Class 102.

Pacific Universal Products Corporation, assignee: *See*—
Astro Glass Specialties Company.

Palmyra Hosiery Mills, Inc., Albany, Ga. Hosiery. 540,980, Apr. 17; Serial No. 552,693, published Apr. 4, 1950. Class 39.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name, Pabco Products Inc. Paint. 541,223, Apr. 17; Serial No. 558,059. Class 16.

Park Odor Products Company, Bangor, Maine. Corn remover, and ointment. 541,051, Apr. 17; Serial No. 578,619, published Dec. 5, 1950. Class 18.

Parks, Virginia, Inc., Chicago, Ill. Personal deodorant. 541,061–2, Apr. 17; Serial Nos. 581,491–2, published Dec. 26, 1950. Class 51.

Patek and Co., San Francisco, Calif. Combination of enzymes. 541,016, Apr. 17; Serial No. 568,002, published Feb. 28, 1950. Class 6.

Peerless Photo Products, Inc., Shoreham, N. Y. Sensitized photographic scientific recording papers. 541,229, Apr. 17; Serial No. 569,010. Class 26.

Penn Electric Switch Co., Goshen, Ind. Temperature-operated switches. 541,006, Apr. 17; Serial No. 564,465, published Jan. 9, 1951. Class 26.

Permatex Company, Inc., Brooklyn, and Sheepshead Bay, N. Y. Paints and dry gums. 540,966, Apr. 17; Serial No. 545,880, published Jan. 2, 1951. Class 16.

Phelps Dodge Copper Products Corporation, Dover, Del., and New York, N. Y. Magnet wire, bare and insulated. 541,244, Apr. 17; Serial No. 588,322. Class 21.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 541,172, Apr. 17; Serial No. 595,400, published Jan. 9, 1951. Class 18.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paints, paint primers, paint enamels, etc. 444,472, Apr. 17; Serial No. 509,298, published Jan. 9, 1951. Class 16.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint products. 541,082, Apr. 17; Serial No. 584,774, published Jan. 16, 1951. Class 16.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire fencing. 277,988, Dec. 2, 1930. Republished Apr. 17. Class 13.

Planco Mfg. Co., Inc., Wichita, Kans. Frozen food lockers. 541,179, Apr. 17; Serial No. 596,439, published Dec. 26, 1950. Class 31.

Powers Paper Co., Springfield, Mass. Boxed writing paper, writing tablets, correspondence envelopes, etc. 541,215, Apr. 17; Serial No. 537,728. Class 37.

Pratt Food Company, Philadelphia, Pa. Prepared foods. 541,218, Apr. 17; Serial No. 541,962. Class 46.

Pratt-Low Preserving Company, Santa Clara, Calif. Canned vegetables. 541,219, Apr. 17; Serial No. 546,790. Class 46.

Pretty Products, Inc., Coshocton, Ohio. Bath mats. 541,217, Apr. 17; Serial No. 541,338. Class 50.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 541,141, Apr. 17; Serial No. 592,934, published Jan. 23, 1951. Class 52.

Provident Life Insurance Company, Bismarck, N. Dak. Underwriting of life insurance. 541,206, Apr. 17; Serial No. 587,986, published Jan. 23, 1951. Class 102.

Prudential Insurance Company of America, The, Los Angeles, Calif. Periodical publication. 541,091, Apr. 17; Serial No. 585,722, published Jan. 23, 1951. Class 38.

Psaki Brothers, Philadelphia, Pa. Catsup, chicken à la king, etc. 282,272, renewed Apr. 14, 1951. O. G. Apr. 17. Class 46.

Puget Sound Salmon Egg Co., Seattle, Wash. Preserved fish eggs for use as fish bait. 541,118, Apr. 17; Serial No. 590,835, published Jan. 9, 1951. Class 22.

Redlands Heights Groves: *See*—
Redlands-Highlands Fruit Exchange.

Redlands-Highlands Fruit Exchange to Redlands Heights Groves, Redlands, Calif. Fresh citrus fruits. 283,662, renewed June 2, 1951. O. G. Apr. 17. Class 46.

Remington Arms Company, Inc., Bridgeport, Conn. Firearms. 541,094, Apr. 17; Serial No. 586,364, published Dec. 19, 1950. Class 9.

Rimco Trading Corporation, New York, N. Y. Tall oil. 541,074, Apr. 17; Serial No. 583,290, published Jan. 16, 1951. Class 1.

Rohden Manufacturing Co., Chicago, Ill. Circuit breakers. 541,220, Apr. 17; Serial No. 548,848. Class 21.

Rosenfeld, Al, Inc., New York, by Smith Victory Corporation, Buffalo, N. Y. Perfume and toilet water. 391,972, Dec. 2, 1941. Republished Apr. 17. Class 51.

Rowney, George, & Co., to George Rowney & Co. Ltd., London, England. Tracing-paper, tracing-cloth, etc. 80,954, re-renewed Feb. 14, 1951. O. G. Apr. 17. Class 37.

Rowney, George, & Co. Ltd.: *See*—
Rowney, George, & Co.

Royal Home Products, Incorporated: *See*—
Universal Import Co.

Rudofker's, S., Sons, Inc., Philadelphia, Pa. Boys', youths', and men's coats, pants, vests, etc. 540,989, Apr. 17; Serial No. 557,071, published Jan. 23, 1951. Class 39.

Rundle Manufacturing Co., Milwaukee, Wis., by Universal-Rundle Corporation, Newcastle, Pa. Sanitary plumbing enamel ware, bathtubs, washbasins, etc. 215,586, July 20, 1926. Republished Apr. 17. Class 13.

Rutherford, E. J., & Co., Philadelphia, Pa. Washing soda. 541,173, Apr. 17; Serial No. 595,419, published Jan. 23, 1951. Class 6.

Saegertown Mineral Water Company, The, to Saegertown Sparkling Beverages, Inc., Saegertown, Pa. Ginger ale and nonalcoholic maltless, carbonated drinks. 276,150, renewed Oct. 7, 1950. O. G. Apr. 17. Class 45.

Saegertown Sparkling Beverages, Inc.: *See*—
Saegertown Mineral Water Company, The.

St Thomas Inc.: *See*—
Wilkins, E. J., Company.

Salz, A. K., Company, San Francisco and Santa Cruz, Calif. Hides and leather. 541,030, Apr. 17; Serial No. 572,589, published Jan. 23, 1951. Class 1.

Samson, Crane Co., Boston, Mass. Men's suits, topcoats, and overcoats. 540,987, Apr. 17; Serial No. 556,376, published Jan. 2, 1951. Class 39.

Sargent & Greenleaf, Inc., Rochester, N. Y. Combination locks. 541,059, Apr. 17; Serial No. 580,433, published Jan. 16, 1951. Class 25.

Sawyer's Inc., Portland, Oreg. Stereoscopic slides. 541,230, Apr. 17; Serial No. 569,304. Class 26.

Scharf, J. H., Manufacturing Company, Omaha, Nebr. Spirit levels. 541,037, Apr. 17; Serial No. 575,600, published Jan. 16, 1951. Class 26.

Schering Corporation, Bloomfield, N. J. Nuclear acid stimulator. 541,129, Apr. 17; Serial No. 592,052, published Jan. 9, 1951. Class 18.

Schley Brothers, Baltimore, Md. Fresh potatoes—fresh onions. 540,969, Apr. 17; Serial No. 547,778, published Jan. 2, 1951. Class 46.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc., for men, youths, and boys. 541,160, Apr. 17; Serial No. 594,402, published Jan. 23, 1951. Class 39.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 541,216, Apr. 17; Serial No. 538,455. Class 39.

Schrafft, W. F., & Sons Corporation, Charlestown and Boston, Mass., to Frank G. Shattuck Company, New York, N. Y. Chocolate candy. 279,361, renewed Jan. 13, 1951. O. G. Apr. 17. Class 46.

Schulte, D. A., Inc., New York, N. Y. Underwear for men and boys. 541,228, Apr. 17; Serial No. 567,095. Class 39.

Scudders-Gale Grocer Co., The, St. Louis, Mo. Canned apples, blackberries, cherries, etc. 81,635, re-renewed Apr. 25, 1951. O. G. Apr. 17. Class 46.

Seiler, Karl, & Sons, Inc., Philadelphia, Pa. Liverwurst, lunch roll, olive loaf, etc. 540,982–3, Apr. 17; Serial Nos. 552,810–11, published Dec. 26, 1950. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for internal use. 541,012, Apr. 17; Serial No. 566,820, published June 14, 1949. Class 18.

Shattuck, Frank G., Company: *See*—
Schrafft, W. F., & Sons Corporation.

Sherman Wash Wear, Inc., Chicago, Ill. Ladies' and children's washable garments. 541,121, Apr. 17; Serial No. 591,109, published Jan. 23, 1951. Class 39.

Sherwood, Morris E., doing business as Sherwood Products Co., Lansing, Mich. Floor sealers. 540,999, Apr. 17; Serial No. 562,735, published Jan. 2, 1951. Class 16.

Sherwood Products Co.: *See*—
Sherwood, Morris E.

Shrell Products: *See*—
Louis, Sidney.

Siceloff Manufacturing Company, Inc., Lexington, N. C. Men's and boys' overalls, dungarees, work pants, outer work shirts, etc. 541,075, Apr. 17; Serial No. 583,824, published Jan. 23, 1951. Class 39.

Siebenthaler Company, The, Dayton, Ohio. Trees, evergreens, and shrubs. 541,111, Apr. 17; Serial No. 589,174, published Jan. 16, 1951. Class 1.

Singh & Wood Farms: *See*—
Wood, J. A., Company, Growers, Packers and Shippers.

Skippy Pet Food Co.: *See*—
Lewis, Dallas B.

Sleight, Roland E., doing business as International Industrial Sales Company, Philadelphia, Pa. Printing inks. 540,996, Apr. 17; Serial No. 561,776, published Jan. 30, 1951. Class 11.

Smith, S. H., Co., The, Indianapolis, Ind. Periodical publication. 541,099, Apr. 17; Serial No. 587,566, published Jan. 16, 1951. Class 38.

Smith Victory Corporation: *See*—
Rosenfeld, Al, Inc.

Smiths Motor Accessories Limited, London, England. Fluid for use in hydraulic jacking systems. 541,056, Apr. 17; Serial No. 579,717, published Dec. 5, 1950. Class 6.

Société Anonyme des Bas "Occulta" by La Gaine Scandale, Lyon, France. Corrective devices. 297,721, Sept. 27, 1932. Republished Apr. 17. Class 44.

Societe Anonyme Laboratories Eska, Paris, France. Preparation for the treatment of pyorrhea and chronic gingivitis. 266,383, Jan. 14, 1930. Amended. O. G. Apr. 17. Class 18.

Societe Anonyme Marcel Rochas, Paris, France. Coats, cloaks, capes, etc. 541,043, Apr. 17; Serial No. 577,076, published Jan. 9, 1951. Class 39.

Société à Responsabilité Limitée Comptoir de l'Industrie Cotonniere, Paris, France. Dressmaker's forms. 540,975, Apr. 17; Serial No. 550,750, published Dec. 19, 1950. Class 50.

Society for Visual Education, Inc., Chicago, Ill. Periodical publication. 541,156, Apr. 17; Serial No. 593,752, published Jan. 16, 1951. Class 38.

Somerset Canning Corporation, The, Somerset, Pa. Canned vegetables. 541,077, Apr. 17; Serial No. 584,019, published Oct. 17, 1950. Class 46.

Southern Athletic Company, Inc., Knoxville, Tenn. Men's and boys' trousers and suits, outer shirts and foothall pants. 541,116, Apr. 17; Serial No. 590,333, published Jan. 16, 1951. Class 39.

Speed Control Corporation, Wickliffe, Ohio. Power transmissions. 541,090, Apr. 17; Serial No. 585,609, published Dec. 5, 1950. Class 23.

Sporteens, Inc.: *See*—
Elowsky, S. M., & Co.

Standard Folding Trays Corp., Brooklyn, N. Y. Folding cardboard boxes. 541,233, Apr. 17; Serial No. 572,217. Class 2.

Standard Novelty Works, Duncannon, Pa. Children's sleds. 541,126, Apr. 17; Serial No. 591,521, published Jan. 9, 1951. Class 22.

Standard Safety Service: *See*—
Carter, William W.

Stauffer, Bernard H., Los Angeles, Calif. Weight reducing treatment. 541,195, Apr. 17; Serial No. 527,727, published Jan. 23, 1951. Class 100.

Stetson Paint & Varnish Company, Chicago, Ill. Liquid water-proofing paint. 540,959, Apr. 17; Serial No. 539,789, published Jan. 9, 1951. Class 16.

Stier, Jerry V., Neptune City, N. J. Newspaper comic strip. 541,103, Apr. 17; Serial No. 588,357, published Jan. 30, 1951. Class 38.

Stifnek Co., The: *See*—
Kennedy, Rosemary K.

Streit, C. F., Mfg. Co., The, to The C. F. Streit Mfg. Co., Cincinnati, Ohio. Household and office chairs and rockers. 283,122, renewed May 19, 1951. O. G. Apr. 17. Class 32.

Strike Zone Uniforms Estate, Denver, Colo. Ball players' pants, shirts, and uniforms. 541,158, Apr. 17; Serial No. 593,943, published Jan. 2, 1951. Class 39.

Sugar Beet Products Company, Inc., Saginaw, Mich. Floor, laundry and skin cleaning compositions, etc. 541,106, Apr. 17; Serial No. 588,908, published Jan. 23, 1951. Class 52.

Sugar Beet Products Company, Inc., Saginaw, Mich. Skin cleaning compositions. 541,107, Apr. 17; Serial No. 588,909, published Jan. 23, 1951. Class 52.

Surgical Appliance Industries Inc.: *See*—
Ohio Truss Company, The.

Tabin-Picker & Co., Chicago, Ill. Dresses, frocks, and uniforms for nurses and maids. 311,622, Mar. 27, 1934. Republished Apr. 17. Class 39.

Tabin-Picker & Co., Chicago, Ill. Women's dresses. 345,720, May 4, 1937. Republished Apr. 17. Class 39.

Tabin-Picker & Co., Chicago, Ill. Cotton and spun rayon piece goods. 371,766, Oct. 3, 1939. Republished Apr. 17. Class 42.
Talon, Inc., Meadville, Pa. Slide fasteners and components therefor. 541,072, Apr. 17; Serial No. 583,009, published Jan. 30, 1951. Class 13.
Templeton, James, & Company Limited, Glasgow, Scotland. Adhesives for binding together carpet parts, etc. 541,017, Apr. 17; Serial No. 568,877, published Jan. 9, 1951. Class 5.
Tennessee Eastman Corporation, Kingsport, Tenn., to Eastman Kodak Company, Rochester, N. Y. Fertilizer. 281,722, renewed Mar. 24, 1951. O. G. Apr. 17. Class 10.
Terrytoons, Inc., New Rochelle, N. Y. Motion picture films. 541,034, Apr. 17; Serial No. 573,744, published Jan. 9, 1951 Class 26.
Thermoid Company, Trenton, N. J. Hydraulic brake parts. 541,018, Apr. 17; Serial No. 569,230, published Nov. 28, 1950. Class 23.
Thomas, John C., Jr., trading as Adel Milling Company, Adel, Ga. Animal feeds. 541,007, Apr. 17; Serial No. 564,485, published Jan. 16, 1951. Class 46.
Tong, Tang Pik, carrying on under the name of Yick Loong Fireworks Company, Hong Kong, China. Fireworks. 541,020, Apr. 17; Serial No. 569,488, published Dec. 19, 1950. Class 9.
Tong, Tang Pik, doing business as Kwan Yick Fireworks Company, Hong Kong, China. Fireworks. 541,021, Apr. 17; Serial No. 569,489, published Dec. 19, 1950. Class 9.
Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Crewing gum. 541,002, Apr. 17; Serial No. 563,766, published Jan. 16, 1951. Class 46.
Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Toys and playthings. 541,207, Apr. 17; Serial No. 543,542, published Apr. 11, 1950. Class 22.
Train-Ellis, Inc., New York, N. Y. Lingerie. 541,247, Apr. 17; Serial No. 590,467. Class 39.
Triangle Publications, Inc., Philadelphia, Pa. Newspaper Sunday feature section. 541,167, Apr. 17; Serial No. 594,674, published Jan. 23, 1951. Class 38.
Tricolator Company, Inc., to Tricolator Company, Inc., New York, N. Y. Coffee infusers. 280,215, renewed Feb. 10, 1951. O. G. Apr. 17. Class 13.
Tricolator Company, Inc., to Tricolator Company, Inc., New York, N. Y. Filter papers. 280,951, renewed Mar. 3, 1951. O. G. Apr. 17. Class 31.
Tropical Paint & Oil Company, The, Cleveland, Ohio. Roofing cement. 283,131, renewed May 19, 1951. O. G. Apr. 17. Class 12.
Truco, Inc., Pittsburgh, Pa. Composition boards. 540,967, Apr. 17; Serial No. 546,888, published Mar. 29, 1949. Class 12.
True Temper Corporation, Cleveland, Ohio. Artificial fish lures. 541,123–5, Apr. 17; Serial Nos. 591,443–5, published Jan. 9, 1951. Class 22.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United China and Glass Company, New Orleans, La. Chinaware. 541,117, Apr. 17; Serial No. 590,400, published Dec. 19, 1950. Class 30.
United States Industries: *See*—
Oren, Bernard S.
United States Rubber Company: *See*—
Dispersions Process, Inc.
Gilmer, L. H., Co.
Universal Import Co., to Royal Home Products, Incorporated, Cincinnati, Ohio. Flavoring extracts and artificial flavoring extracts. 81,313, re-renewed Mar. 21, 1951. O. G. Apr. 17. Class 46.
Universal-Rundle Corporation: *See*—
Rundle Manufacturing Co.
Universal Winding Company: *See*—
Atwood Machine Company, The.
Vamos, Alfred, New York, N. Y. Shoes. 541,188, Apr. 17; Serial No. 597,794, published Jan. 23, 1951. Class 39.
Victory Footwear Sales Company, Baltimore, Md. Shoes for ladies and children. 540,990, Apr. 17; Serial No. 557,168, published Jan. 23, 1951. Class 39.
Vincent, Duane, doing business as National Steel and Tube Company, Detroit, Mich. Electrically heated refrigerator defroster. 541,097, Apr. 17; Serial No. 586,997, published Jan. 9, 1951. Class 31.
Vogt, F. G., & Sons, Incorporated, to Oscar Mayer & Co., Inc., Philadelphia, Pa. Meat products. 280,639, renewed Feb. 24, 1951. O. G. Apr. 17. Class 46.
Vonnegut Hardware Company, Indianapolis, Ind. Panic exit devices. 541,142, Apr. 17; Serial No. 592,958, published Jan. 16, 1951. Class 25.
Waldron, Fred L., Ltd., Honolulu, Hawaii, and San Francisco, Calif. Rice. 280,280, renewed Feb. 10, 1951. O. G. Apr. 17. Class 46.
Walgreen Co., Chicago, Ill. Restaurant, soda fountain and pharmaceutical prescription services. 541,201, Apr. 17; Serial No. 544,229, published Jan. 23, 1951. Class 100.
Walton, A. G., & Company, Inc., Chelsea, Mass. Shoes. 540,971, Apr. 17; Serial No. 549,995, published Jan. 23, 1951. Class 39.
Ward, Samuel, Manufacturing Company, Boston, Mass. Wall calendars. 540,961, Apr. 17; Serial No. 541,480, published Jan. 16, 1951. Class 38.
Washington Iron Works, Seattle, Wash. Mobile crane. 541,235, Apr. 17; Serial No. 573,906. Class 23.
Waxed Silicone Products, Inc., Miami, Fla. Metal polishes, automobile polishes, leather polishes, etc. 541,073, Apr. 17; Serial No. 583,011, published Dec. 5, 1950. Class 4.
Wayne Pump Company, The, Fort Wayne, Ind. Air mensuring and dispensing units. 541,015, Apr. 17; Serial No. 567,935, published Jan. 9, 1951. Class 26.
Wedgwood, Josiah, & Sons Incorporated, New York, N. Y. Ceramic dinnerware. 541,096, Apr. 17; Serial No. 586,896, published Dec. 19, 1950. Class 30.
Western Clock Mfg. Co., The, Peru, to General Time Corporation, La Salle, Ill. Clocks and watches. 80,627, re-renewed Jan. 10, 1951. O. G. Apr. 17. Class 27.
Westinghouse Electric Corporation, Pittsburgh, Pa., and Mansfield, Ohio. Sales promotional publications. 541,078, Apr. 17; Serial No. 584,305, published Jan. 23, 1951. Class 38.
Westinghouse Electric Supply Company, New York, N. Y. Friction tape. 276,783, renewed Oct. 28, 1950. O. G. Apr. 17. Class 5.
Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. 541,204, Apr. 17; Serial No. 566,200, published Jan. 23, 1951. Class 104.
Westmoor Manufacturing Co., Minneapolis, Minn. Outer shirts, and jackets. 541,170, Apr. 17; Serial No. 595,112, published Jan. 23, 1951. Class 39.
Whitmore, Ken, Inc., Pittsfield, Mass., and New York, N. Y. Ladies', misses', and junior misses' coats. 533,940, Nov. 28, 1950. Corrected, O. G. Apr. 17. Class 39.
Wilkins, E. J., Company, Gloversville, N. Y., now by change of name, St. Thomas Inc. Leather receptacles. 541,176, Apr. 17; Serial No. 596,138, published Jan. 23, 1951. Class 40.
Wilmington Hosiery Mills, Inc., Wilmington, Del. Socks. 541,162, Apr. 17; Serial No. 594,505, published Jan. 30, 1951. Class 39.
Wilson, Hugh H., Company, Inc., assignor to Wilson Products Incorporated, New York, N. Y. Hair and bob pins. 541,245, Apr. 17; Serial No. 589,057. Class 40.
Wilson Products Incorporated, assignee: *See*—
Wilson, Hugh H., Company, Inc.
Winter-Seal Corporation, Detroit, Mich. Windows, doors and screens, etc. 541,250, Apr. 17; Serial No. 593,387. Class 12.
Wise, J. F., Mecca, Calif. Fresh dates. 541,105, Apr. 17; Serial No. 588,819, published Dec. 26, 1950. Class 46.
Wood, J. A., Company, Growers, Packers and Shippers, Phoenix, Ariz., assignee of Singh & Wood Farms. Fresh vegetables. 540,979, Apr. 17; Serial No. 551,828, published Jan. 23, 1951. Class 46.
Wright Sales Company, Inc., Cleveland, Ohio. Venetian blind cord. 541,221, Apr. 17; Serial No. 553,163. Class 7.
Wunderlich, Walter J., Nehawka, Nebr. Sales tickets book. 541,248, Apr. 17; Serial No. 590,476. Class 37.
Wyss, Chris, Tillamook, Oreg. Pipe couplers. 541,253, Apr. 17; Serial No. 597,930. Class 13.
Yanko, Nicholas, Akron, Ohio. Cooked chicken and prepared dinners. 541,052, Apr. 17; Serial No. 578,910 published Jan. 16, 1951. Class 46.
Yick Loong Fireworks Company: *See*—
Tong, Tang P.
Young Idea Company, Pittsfield, Ill. Coats for children and misses. 541,182, Apr. 17; Serial No. 596,696, published Jan. 23, 1951. Class 39.
Zinn, Julius A., Jr., Chicago, Ill. Electrically and hydraulically powered machines. 541,010, Apr. 17; Serial No. 566,409, published Jan. 9, 1951. Class 23.
Zinn, Julius A., Jr., Chicago, Ill. Electrically and hydraulically powered machines. 541,011, Apr. 17; Serial No. 566,410, published Jan. 2, 1951. Class 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks hatching eggs, pullets, and chicken breeding stock. W. S. Hannah & Sons. 541,046, Apr. 17: Serial No. 577,326, published Jan. 23, 1951.
Coal. Jeddo-Highland Coal Company. 540,986, Apr. 17; Serial No. 556,344, published Jan. 2, 1951.
Coal. Logan Fuel Company, Incorporated. 541,113, Apr. 17; Serial No. 589,732, published Jan. 16, 1951.
Hides and leather. A. K. Salz Company. 541,030, Apr. 17; Serial No. 572,589, published Jan. 23, 1951.

Livestock. King Ranch. 541,194, Apr. 17; Serial No. 605,703, published Dec. 26, 1950.
Rubber dispersed in a water medium. Dispersions Process, Inc. 281,151, renewed Mar. 10, 1951. O. G. Apr. 17.
Rubber, Sponge. The Dayton Rubber Company. 540,997, Apr. 17; Serial No. 561,811, published Jan. 23, 1951.
Seed, Sugar beet. The Great Western Sugar Company. 541,013, Apr. 17; Serial No. 567,261, published Jan. 16, 1951.
Soy flour. Spencer Kellogg and Sons, Inc. 541,008, Apr. 17; Serial No. 564,531, published Jan. 23, 1951.
Structural member having a surface coated with a resinous plastic material. Samuel Moore & Company. 541,087, Apr. 17; Serial No. 585,135, published Jan. 9, 1951.
Tall oil. Rimco Trading Corporation. 541,074, Apr. 17; Serial No. 583,290, published Jan. 16, 1951.
Trees, evergreens, and shrubs. The Siebenthaler Company. 541,111, Apr. 17; Serial No. 589,174, published Jan. 16, 1951.
Wool. Albany Felt Company. 541,159. Apr. 17; Serial No. 594,185, published Jan. 9, 1951.

CLASS 2

Boxes, Folding cardboard. Standard Folding Trays Corp. 541,233, Apr. 17; Serial No. 572,217.
Cages, Bird. Hygienic Wire Works Ltd. 280,212, renewed Feb. 10, 1951. O. G. Apr. 17.
Compacts and vanity cases. Aristocrat Leather Products, Inc. 541,080, Apr. 17; Serial No. 584,601, published Sept. 5, 1950.

CLASS 3

Handbags, Ladies', Coblentz Bag Company, Inc. 541,193, Apr. 17; Serial No. 601,024, published Jan. 23, 1951.
Handbags, Ladies'. H. Meyers. 541,251, Apr. 17; Serial No. 593,738.

CLASS 4

Abrasive articles and compounds, Certain. The Carborundum Company. 280,073, renewed Feb. 10, 1951. O. G. Apr. 17.
Polishes, Metal, automobile polishes, leather polishes, etc. Waxed Silicone Products, Inc. 541,073, Apr. 17; Serial No. 583,011, published Dec. 5, 1950.

CLASS 5

Adhesives for binding together carpet parts, etc. James Templeton & Company Limited. 541,017, Apr. 17; Serial No. 568,877, published Jan. 9, 1951.
Tape, Friction. Westinghouse Electric Supply Company. 276,783, renewed Oct. 28, 1950. O. G. Apr. 17.

CLASS 6

Chemicals. National Aluminate Corporation. 303,317, May 23, 1933. Republished Apr. 17.
Combination of enzymes. Patek and Co. 541,016, Apr. 17; Serial No. 568,002, published Feb. 28, 1950.
Fluid for use in hydraulic jacking systems. Smiths Motor Accessories Limited. 541,056, Apr. 17; Serial No. 579,717, published Dec. 5, 1950.
Insecticide. Chapman & Rodgers, Inc. 403,017, Aug. 31, 1943. Republished Apr. 17.
Sodium bicarbonate. Diamond Alkali Company. 282,927, renewed May 5, 1951. O. G. Apr. 17.
Washing soda. E. J. Rutherford & Co. 541,173, Apr. 17; Serial No. 595,419, published Jan. 23, 1951.

CLASS 7

Cord, Venetian blind. Wright Sales Company, Inc. 541,221, Apr. 17; Serial No. 553,163.
Rope, Cotton, sash cord, seine twines, etc. William E. Hooper & Sons Company. 540,953, Apr. 17; Serial No. 536,605, published Aug. 15, 1950.

CLASS 9

Cartridge belts, shell pouches, rifle slings, etc. Castle Sporting Goods Inc. 541,042, Apr. 17; Serial No. 576,399, published Dec. 19, 1950.
Firearms. Remington Arms Company, Inc. 541,094, Apr. 17; Serial No. 586,364, published Dec. 19, 1950.
Fireworks. T. P. Tong. 541,020, Apr. 17; Serial No. 569,488, published Dec. 19, 1950.
Fireworks. T. P. Tong. 541,021, Apr. 17; Serial No. 569,489, published Dec. 19, 1950.
Gun swivels. P. Magid. 541,100, Apr. 17; Serial No. 587,810, published Dec. 19, 1950.
Matches. The Diamond Match Company. 541,112, Apr. 17; Serial No. 589,644, published Jan. 30, 1951.
Shotguns, Double barrel sporting, single barrel sporting shotguns, etc. Ithaca Gun Company, Inc. 541,130, Apr. 17; Serial No. 592,207, published Jan. 23, 1951.

CLASS 10

Fertilizer. Tennessee Eastman Corporation. 281,722, renewed Mar. 24, 1951. O. G. Apr. 17.

CLASS 11

Colors for printing inks, Pigment. H. Kohnstamm & Co., Inc. 541,161, Apr. 17; Serial No. 594,475, published Jan. 30, 1951.
Inks, Printing. R. E. Sleight. 540,996, Apr. 17; Serial No. 561,776, published Jan. 30, 1951.

CLASS 12

Boards, Composition. Truco, Inc. 540,967, Apr. 17; Serial No. 546,888, published Mar. 29, 1949.
Cement, Roofing. The Tropical Paint & Oil Company. 283,131, renewed May 19, 1951. O. G. Apr. 17.
Doors. Frantz Manufacturing Co. 282,609, renewed Apr. 28, 1951. O. G. Apr. 17.
Windows, doors and screens, etc. Winter-Seal Corporation. 541,250, Apr. 17; Serial No. 593,387.

CLASS 13

Casters, Wood-furniture, metal-furniture casters, stem casters, etc. The Colson Corporation. 541,049, Apr. 17; Serial No. 578,569, published Jan. 30, 1951.
Infusers, Coffee. Tricolator Company, Inc. 280,215, renewed Feb. 10, 1951. O. G. Apr. 17.
Pipe couplers. C. Wyss. 541,253, Apr. 17; Serial No. 597,930.
Pipe fittings, Forged-steel. Delta-Star Electric Company. 280,112, renewed Feb. 10, 1951. O. G. Apr. 17.
Plumbing enamel ware, bathtubs, washbasins, etc., Sanitary. Rundle Manufacturing Co. 215,586, July 20, 1926. Republished Apr. 17.
Racks designed to be affixed to the wall or door. Lilec Products, Inc. 541,151, Apr. 17; Serial No. 593,423, published Jan. 30, 1951.
Slide fasteners and components therefor. Talon, Inc. 541,072, Apr. 17; Serial No. 583,009, published Jan. 30, 1951.
Valves, Reducing, check valves, globe valves, etc. Goldman Pressing Machine Corp. 541,174, Apr. 17; Serial No. 595,777, published Jan. 30, 1951.
Wire fencing. Pittsburgh Steel Company. 277,988, Dec. 2, 1930. Republished Apr. 17.

CLASS 14

Iron castings, Nickel-containing. The International Nickel Company, Inc. 284,286, renewed June 23, 1951. O. G. Apr. 17.
Metal products. The American Metal Company, Limited. 282,235, renewed Apr. 14, 1951. O. G. Apr. 17.
Metal products. The American Metal Company, Limited. 283,049, renewed May 12, 1951. O. G. Apr. 17.

CLASS 15

Lubricant, Solidified-mineral-oil. Albany Lubricating Co. 81,191, re-renewed Mar. 14, 1951. O. G. Apr. 17.

CLASS 16

Coatings, Liquid roof. M. J. Merkin Paint Co., Inc. 541,014, Apr. 17; Serial No. 567,642, published Jan. 2, 1951.
Floor sealers. M. E. Sherwood. 540,999, Apr. 17; Serial No. 562,735, published Jan. 2, 1951.
Oil to be used in place of the usual mixture of linseed and turpentine, Specially-prepared. The Marietta Paint & Color Company. 278,991, renewed Jan. 6, 1951. O. G. Apr. 17.
Paint. The Paraffine Companies, Inc. 541,223, Apr. 17; Serial No. 558,059.
Paint, Aluminum. The Asphalt Products Co., Inc. 277,581, renewed Nov. 18, 1950. O. G. Apr. 17.
Paint, Flat wall. M. A. Bruder & Sons, Incorporated. 541,154, Apr. 17; Serial No. 593,710, published Jan. 2, 1951.
Paint, House, barn paint; floor paint; etc. Katz Drug Company. 540,981, Apr. 17; Serial No. 552,787, published Jan. 9, 1951.
Paint, Liquid water-proofing. Stetson Paint & Varnish Company. 540,959, Apr. 17; Serial No. 539,789, published Jan. 9, 1951.
Paint, Metallic. Hastings & Co., Inc. 541,236, Apr. 17; Serial No. 581,066.
Paint products. Pittsburgh Plate Glass Company. 541,082, Apr. 17; Serial No. 584,774, published Jan. 16, 1951.
Paint, Ready-mixed, varnishes, wood stains, etc. General Paint & Varnish Co. 541,003, Apr. 17; Serial No. 564,004, published Jan. 2, 1951.
Paint, Roof coating. Asbesto Manufacturing Corporation. 541,120, Apr. 17; Serial No. 591,062, published Jan. 2, 1951.
Paints. Cook Paint and Varnish Company. 284,119, renewed June 16, 1951. O. G. Apr. 17.
Paints and dry gums. Permatex Company, Inc. 540,966, Apr. 17; Serial No. 545,880, published Jan. 2, 1951.
Paints, Exterior and interior house, and enamels. Kwal Paint Laboratories, Inc. 541,028, Apr. 17; Serial No. 571,148, published Jan. 2, 1951.
Paints, paint primers, paint enamels, etc. Pittsburgh Plate Glass Company. 444,472, Apr. 17; Serial No. 509,298, published Jan. 9, 1951.
Paints, Ready mixed interior. Minnesota Linseed Oil Paint Company. 540,956, Apr. 17; Serial No. 539,610, published Jan. 2, 1951.
Primer compounds, paint, surface sealer compound, etc. Krano Sanitary & Janitor Supply Co. 540,978, Apr. 17, Serial No. 551,715, published Jan. 10, 1950.
Varnish. Hockaday, Inc. 540,946, Apr. 17; Serial No. 515,564, published Jan. 9, 1951.

CLASS 18

Acid stimulator, Nuclear. Schering Corporation. 541,129, Apr. 17; Serial No. 592,052, published Jan. 9, 1951.
Anticoagulant chemical, phenylindanedione. Charles E. Frosst & Co. 541,122, Apr. 17; Serial No. 591,416, published Jan. 9, 1951.
Anti-mycotic, anti-bacterial preparations. Eaton Laboratories. 541,155, Apr. 17; Serial No. 593,715, published Jan. 9, 1951.
Bag containing a pessary and vaginal creams and jellies, Zippered. Ortho Pharmaceutical Corporation. 541,039, Apr. 17; Serial No. 575,924, published Dec. 5, 1950.
Corn remover, and ointment. Park Odor Products Company. 541,051, Apr. 17; Serial No. 578,619, published Dec. 5, 1950.
Laxative salts, Effervescent. McKesson & Robbins, Incorporated. 279,351, renewed Jan. 13, 1951. O. G. Apr. 17.
Liniment, bitter herb compound, laxative chewing gum, etc. Morton Manufacturing Corp. 541,104, Apr. 17; Serial No. 588,649, published Jan. 23, 1951.
Lipotropic and dietary supplements. Hoffmann-La Roche Inc. 541,178, Apr. 17; Serial No. 596,167, published Jan. 30, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 541,172, Apr. 17; Serial No. 595,400, published Jan. 9, 1951.
Medicated cones, Nontoxic and aseptic. R. McNeil. 281,826, renewed Mar. 31, 1951. O. G. Apr. 17.
Medicinal preparation. Allied Drugs, Inc. 541,134, Apr. 17; Serial No. 592,453, published Jan. 9, 1951.
Pharmaceutical product. The Maltine Company. 541,026, Apr. 17; Serial No. 570,785, published Feb. 28, 1950.
Preparation for internal use. Sharpe & Dohme, Incorporated. 541,012, Apr. 17; Serial No. 566,820, published June 14, 1949.
Preparation for the treatment of pyorrhea and chronic gingivitis. Societe Anonyme Laboratoires Eska. 266,383, Jan. 14, 1930. Amended. O. G. Apr. 17.
Preparations such as drugs, medicine, etc., Various. Abbott Laboratories. 540,954, Apr. 17; Serial No. 536,977, published Aug. 22, 1950. (Consolidated certificate, Classes 18, 44, and 46.)
Sedative, hypnotic, and anticonvulsant preparation. Abbott Laboratories. 541,171, Apr. 17; Serial No. 595,294, published Jan. 9, 1951.
Sulfamerazine, sulfadiazine, sulfathiazole, acetylsalicylic acid, etc. Moore & Company, Inc. 541,053, Apr. 17; Serial No. 579,203, published Jan. 23, 1951.

CLASS 21

Batteries, Storage, and maintenance and display stands. Federal Storage Battery Co. 541,232, Apr. 17; Serial No. 570,843.
Circuit breakers. Rohden Manufacturing Co. 541,220, Apr. 17; Serial No. 548,848.
Drive units, Electrically driven crane bridge, reels for electric current, etc. Manning, Maxwell & Moore, Inc. 541,063, Apr. 17; Serial No. 581,673, published Jan. 16, 1951.
Lamp holders for reflectors, Fluorescent. Benjamin Electric Manufacturing Company. 541,237, Apr. 17; Serial No. 581,856.
Lamps, Portable electric. David Fingerhut, Inc. 541,243, Apr. 17; Serial No. 588,085.
Recording and reproducing apparatus, Magnetic tape. Amplifier Corp. of America. 541,224, Apr. 17; Serial No. 558,770.
Reflector fasteners. Benjamin Electric Manufacturing Company. 541,238, Apr. 17; Serial No. 581,857.
Wire, Magnet, bare and insulated. Phelps Dodge Copper Products Corporation. 541,244, Apr. 17; Serial No. 588,322.

CLASS 22

Artificial casting and trolling lure. Dow Plating Laboratories. 541,102, Apr. 17; Serial No. 588,291, published Dec. 19, 1950.
Dolls. American Character Doll Co. 541,146, Apr. 17; Serial No. 593,154, published Dec. 19, 1950.
Fish eggs for use as fish bait, Preserved. Puget Sound Salmon Egg Co. 541,118, Apr. 17; Serial No. 590,835, published Jan. 9, 1951.
Fish lures, Artificial. True Temper Corporation. 541,123–5. Apr. 17; Serial No. 591,443, published Jan. 9, 1951.
Fishing leaders. "Joni" Johnson Leaders. 541,076, Apr. 17; Serial No. 583,935, published Jan. 9, 1951.
Game, G. Kline. 541,114, Apr. 17; Serial No. 589,901, published Jan. 9, 1951.
Game, Board. Milton Bradley Company. 541,009, Apr. 17; Serial No. 566,376, published Feb. 21, 1950.
Game, Board. Milton Bradley Company. 541,110, Apr. 17; Serial No. 589,106, published Jan. 9, 1951.
Games. G. I. Gibbons. 541,055, Apr. 17; Serial No. 579,494, published Dec. 19, 1950.
Model airplane kits. Comet Model Hobbycraft, Inc. 541,131, Apr. 17; Serial No. 592,359, published Dec. 19, 1950.
Sled tops, football helmets and bases. Hawley Products Company. 541,070, Apr. 17; Serial No. 582,427, published Jan. 9, 1951.
Sleds, Children's. Standard Novelty Works. 541,126, Apr. 17; Serial No. 591,521, published Jan. 9, 1951.
Toy, Pony ride. F. Krempler. 541,108, Apr. 17; Serial No. 589,026, published Jan. 9, 1951.
Toys and playthings. Toy Manufacturers of the U. S. A., Inc. 541,207, Apr. 17; Serial No. 543,542, published Apr. 11, 1950.

CLASS 23

Brake parts, Hydraulic. Thermoid Company. 541,018, Apr. 17; Serial No. 569,230, published Nov. 28, 1950.
Carburetors. F. Haverey. 81,845, re-renewed May 16, 1951. O. G. Apr. 17.
Carburetors for automobiles. J. D. Lavin. 541,127, Apr. 17; Serial No. 591,740, published Dec. 26, 1950.
Crane, Mobile. Washington Iron Works. 541,235, Apr. 17; Serial No. 573,906.
Engines and parts therefor, Internal combustion; etc. Continental Aviation and Engineering Corporation. 444,469, Apr. 17; Serial No. 499,395, published May 9, 1950.
Knives, Pocket. Colonial Knife Company, Inc. 541,031, Apr. 17; Serial No. 573,118, published Dec. 26, 1950.
Machines and needles for celooping knitted fabrics. Maskinfabriken Notam Aktieselskab. 541,098, Apr. 17; Serial No. 587,558, published Jan. 2, 1951.
Material and load moving and handling equipment. Lima-Hamilton Corporation. 540,949, Apr. 17; Serial No. 523,846, published Dec. 26, 1950.
Power transmissions. Speed Control Corporation. 541,090, Apr. 17; Serial No. 585,609, published Dec. 5, 1950.
Powered machines, Electrically and hydraulically. J. A. Zinn, Jr. 541,010, Apr. 17; Serial No. 566,409, published Jan. 9, 1951.
Powered machines, Electrically and hydraulically. J. A. Zinn, Jr. 451,011, Apr. 17; Serial No. 566,410, published Jan. 2, 1951.
Road maintenance equipment. The Burch Corporation. 541,044, Apr. 17; Serial No. 577,167, published Jan. 9, 1951.
Sanding machines and parts thereof, Power driven. B. S. Oren. 541,058, Apr. 17; Serial No. 579,994, published Dec. 5, 1950.
Tool, Manually operated. Brainard Steel Company. 541,137, Apr. 17; Serial No. 592,542, published Dec. 5, 1950.
Tools which in service are struck by hammers. M. E. Cunningham Company. 541,214, Apr. 17; Serial No. 536,353.

CLASS 25

Locking gas tank caps. Atlas Supply Company. 541,033, Apr. 17; Serial No. 573,608, published Jan. 16, 1951.
Locks, Combination. Sargent & Greenleaf, Inc. 541,059, Apr. 17; Serial No. 580,433, published Jan. 16, 1951.
Panic exit devices. Vonnegut Hardware Company. 541,142, Apr. 17; Serial No. 592,958, published Jan. 16, 1951.

CLASS 26

Apparatus for gauging the positioning and alignment of the wheels and wheel suspension parts of motor vehicles. Manbee Equipment Company, Inc. 541,036, Apr. 17; Serial No. 575,414, published Jan. 16, 1951.
Cameras and other photographic apparatus. B. Altman & Co. 541,023, Apr. 17; Serial No. 570,166, published Jan. 16, 1951.
Films, Motion picture. Terrytoons, Inc. 541,034, Apr. 17; Serial No. 573,744, published Jan. 9, 1951.
Frames and mountings, Spectacle. Bausch & Lomb Optical Company. 541,045, Apr. 17; Serial No. 577,252, published Jan. 16, 1951.
Gauges, Dial, magnetic. Liquidepth Indicators Incorporated. 541,213, Apr. 17; Serial No. 534,903.
Instrument for checking the fit of the mating parts of a valve. Edward Valves, Inc. 541,024, Apr. 17; Serial No. 570,292, published Jan. 16, 1951.
Lenses, Condenser. Bell & Howell Company. 540,952, Apr. 17; Serial No. 529,549, published July 12, 1949.
Measuring and dispensing units, Air. The Wayne Pump Company. 541,015, Apr. 17; Serial No. 567,935, published Jan. 9, 1951.
Motion pictures, etc., Silent still and. C. M. Drennan. 540,995, Apr. 17; Serial No. 560,871, published Jan. 2, 1951.
Photographic scientific recording papers, Sensitized. Peerless Photo Products, Inc. 541,229, Apr. 17; Serial No. 569,010.
Rules, Measuring, tape measures, carpenter's levels, etc. The Cussins and Fearn Company. 540,977, Apr. 17; Serial No. 551,616, published Jan. 9, 1951.
Spirit levels. J. H. Scharf Manufacturing Company. 541,037, Apr. 17; Serial No. 575,600, published Jan. 16, 1951.
Stereoscopic slides. Sawyer's Inc. 541,230, Apr. 17; Serial No. 569,304.
Sunglasses. Lapin Products, Inc. 444,473, Apr. 17; Serial No. 525,605, published Jan. 9, 1951.
Switches, Temperature-operated. Penn Electric Switch Co. 541,006, Apr. 17; Serial No. 564,465, published Jan. 9, 1951.

Valves and parts thereof for heating apparatus, Thermostatic controlled. Heat Timer Corporation. 541,234, Apr. 17; Serial No. 573,369.
Valves and parts thereof, Electro-thermally operated. Detroit Lubricator Company. 541,239, Apr. 17; Serial No. 584,270.
Viewers for holding photographic slides. Craftsmen's Guild. 541,212, Apr. 17; Serial No. 532,277.
Viewing filters, Television. Flexon Products Corporation. 541,047, Apr. 17; Serial No. 577,712, published Jan. 16, 1951.

CLASS 27

Clocks and watches. The Western Clock Mfg. Co. 80,627, re-renewed Jan. 10, 1951. O. G. Apr. 17.
Watch-movements. Elgin National Watch Company. 82,141, re-renewed June 6, 1951. O. G. Apr. 17.
Watches. Cronow Watch Co., Inc. 541,242, Apr. 17; Serial No. 587,320.

CLASS 28

Bead necklaces and strings of beads. Heath's Bead Shop, Inc. 279,467, renewed Jan. 13, 1951. O. G. Apr. 17.

CLASS 29

Brushes, Paint. Baker Brush Co., Inc. 540,960, Apr. 17; Serial No. 540,972, published Dec. 28, 1948.
Tooth-brushes, hairbrushes, hand brushes, etc. Kent Brush Sales Corporation. 280,509, renewed Feb. 17, 1951. O. G. Apr. 17.
Whisk brooms. Modglin Company, Inc. 541,210, Apr. 17; Serial No. 523,878.

CLASS 30

Ceramic articles. Raymond Brenner, Inc. 541,132, Apr. 17; Serial No. 592,417, published Dec. 19, 1950.
Ceramic dinnerware. Josiah Wedgwood & Sons Incorporated. 541,096, Apr. 17; Serial No. 586,896, published Dec. 19, 1950.
Chinaware. United China and Glass Company. 541,117, Apr. 17; Serial No. 590,400, published Dec. 19, 1950.

CLASS 31

Automotive accessory. Fanilator, Inc. 541,153, Apr. 17; Serial No. 593,657, published Jan. 23, 1951.
Defroster, Electrically heated refrigerator. D. Vincent. 541,097, Apr. 17; Serial No. 586,997, published Jan. 9, 1951.
Filter papers. Tricolator Company, Inc. 280,951, renewed Mar. 3, 1951. O. G. Apr. 17.
Filtering leaf devices. Niagara Filter Corporation. 541,187, Apr. 17; Serial No. 597,220, published Dec. 26, 1950.
Filters, Air. Air Filter Corporation. 541,054, Apr. 17; Serial No. 579,252, published Jan. 9, 1951.
Frozen food lockers. Planco Mfg. Co., Inc. 541,179, Apr. 17; Serial No. 596,439, published Dec. 26, 1950.
Ice making machines and parts thereof. Ajax Corporation of America. 541,065, Apr. 17; Serial No. 582,013, published Jan. 23, 1951.
Refrigeration accessories. Kerotest Manufacturing Company. 540,993, Apr. 17; Serial No. 560,026, published Dec. 26, 1950.
Refrigerators and refrigerating devices. Borg-Warner Corporation. 540,968, Apr. 17; Serial No. 546,932, published Jan. 9, 1951.
Sump for an oil filter, Removable. De Luxe Products Corporation. 541,071, Apr. 17; Serial No. 582,523, published Jan. 23, 1951.

CLASS 32

Chairs and rockers, Household and office. The C. F. Streit Mfg. Co. 283,122, renewed May 19, 1951. O. G. Apr. 17.
Springs, spring assemblies and units for upholstered furniture. No-Sag Spring Company. 540,945, Apr. 17; Serial No. 512,014, published Nov. 21, 1950.

CLASS 33

Glass bottles. Anchor Hocking Glass Corporation. 541,109, Apr. 17; Serial No. 589,062, published Dec. 19, 1950.
Glass sheets, Semi-transparent mirrored. Astra Glass Specialties Company. 540,984, Apr. 17; Serial No. 554,289, published Feb. 7, 1950.
Glassware. Raymond Brenner, Inc. 541,133, Apr. 17; Serial No. 592,418, published Dec. 19, 1950.
Jugs; vases, jars; sandwich trays; etc., Glass. Dunbar Glass Corporation. 541,004, Apr. 17; Serial No. 564,015, published Dec. 19, 1950.

CLASS 35

Belt, Rubber and fabric composition. The Atwood Machine Company. 284,260, renewed June 23, 1951. O. G. Apr. 17.
Belts, Woven. L. H. Gilmer Co. 280,731, renewed Feb. 24, 1951. O. G. Apr. 17.

CLASS 37

Blank-forms for bookkeeping. W. W. Carter. 541,209, Apr. 17; Serial No. 516,006.

Paper, Boxed writing, writing tablets, correspondence envelopes, etc. Powers Paper Co. 541,215, Apr. 17; Serial No. 537,728.
Paper in rolls, sheets, and blanks, etc. The American Paper Goods Company. 80,968, re-renewed Feb. 21, 1951. O. G. Apr. 17.
Papers, Coated glazed, lacquered, sized, embossed, etc. Artcote Papers, Inc. 279,382, renewed Jan. 13, 1951. O. G. Apr. 17.
Pens, Fountain. David Kahn, Inc. 541,222, Apr. 17; Serial No. 554,981.
Sales tickets book. W. J. Wunderlich. 541,248, Apr. 17; Serial No. 590,476.
Tissue, Toilet, and paper towels. Francis H. Leggett & Company. 541,254, Apr. 17; Serial No. 598,023.
Tracing-paper, tracing-cloth, etc. George Rowney & Co. 80,954, re-renewed Feb. 14, 1951. O. G. Apr. 17.

CLASS 38

Calendars, Wall. Samuel Ward Manufacturing Company. 540,961, Apr. 17; Serial No. 541,480, published Jan. 16, 1951.
Comic strip. New York Herald Tribune Inc. 541,147, Apr. 17; Serial No. 593,282, published Jan. 23, 1951.
Comic strip, Newspaper. J. V. Stier. 541,103, Apr. 17; Serial No. 588,357, published Jan. 30, 1951.
Comics. Markwell Manufacturing Company, Inc. 541,136, Apr. 17; Serial No. 592,506, published Jan. 23, 1951.
Magazine. A. Harvey. 397,778, Sept. 22, 1942. Republished Apr. 17.
Newspaper columns or sections. E. H. Butler. 540,957, Apr. 17; Serial No. 539,648, published Jan. 30, 1951.
Newspaper columns or sections. E. H. Butler. 540,958, Apr. 17; Serial No. 539,651, published Jan. 2, 1951.
Newspaper Sunday feature section. Triangle Publications, Inc. 541,167, Apr. 17; Serial No. 594,674, published Jan. 23, 1951.
Paper, Trade. T. J. O'Kane. 541,169, Apr. 17; Serial No. 595,085, published Jan. 23, 1951.
Publication, Periodical. W. G. Jasper. 540,974, Apr. 17; Serial No. 550,513, published Jan. 16, 1951.
Publication, Periodical. National Association of Sanitarians. 541,138, Apr. 17; Serial No. 592,681, published Jan. 9, 1951.
Publication, Periodical. The Prudential Insurance Company of America. 541,091, Apr. 17; Serial No. 585,722, published Jan. 23, 1951.
Publication, Periodical. The S. H. Smith Co. 541,099, Apr. 17; Serial No. 587,566, published Jan. 16, 1951.
Publication, Periodical. Society for Visual Education, Inc. 541,156, Apr. 17; Serial No. 593,752, published Jan. 16, 1951.
Publications, Monthly. Chicago Vitreous Enamel Product Company. 279,406, renewed Jan. 13, 1951. O. G. Apr. 17.
Publications, Sales promotional. Westinghouse Electric Corporation. 541,078, Apr. 17; Serial No. 584,305, published Jan. 23, 1951.

CLASS 39

Apparel, Women's fur. Louis Gribin, Inc. 541,038, Apr. 17; Serial No. 575,802, published Jan. 2, 1951.
Athletic apparel. S. M. Elowsky & Co. 176,270, Nov. 20, 1923. Republished Apr. 17.
Belt to be worn over blouses and shirts, Rubber. S. Louis. 541,168, Apr. 17; Serial No. 594,798, published Jan. 23, 1951.
Coats, cloaks, capes, etc. Societe Anonyme Marcel Rochas. 541,043, Apr. 17; Serial No. 577,076, published Jan. 9, 1951.
Coats for children and misses. Young Idea Company. 541,182, Apr. 17; Serial No. 596,696, published Jan. 23, 1951.
Coats, Ladies', misses', and junior misses'. Ken Whitmore, Inc. 533,940, Nov. 28, 1950. Corrected. O. G. Apr. 17.
Coats, Men's sport. Hilton Clothes, Inc. 541,149, Apr. 17; Serial No. 593,352, published Jan. 2, 1951.
Coats, pants, vests, etc., Boys', youths', and men's. S. Rudofker's Sons, Inc. 540,989, Apr. 17; Serial No. 557,071, published Jan. 23, 1951.
Coats, vests, trousers, etc., for men, youths, and boys. J. Schoeneman, Inc. 541,160, Apr. 17; Serial No. 594,402, published Jan. 23, 1951.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 541,216, Apr. 17; Serial No. 538,455.
Corsets, corselets, brassières, etc. Occulta. 340,922, Nov. 24, 1936. Republished Apr. 17.
Dresses, frocks, and uniforms for nurses and maids. Tabin-Picker & Co. 311,622, Mar. 27, 1934. Republished Apr. 17.
Dresses, Ladies'. Ely & Walker Dry Goods Company. 541,081, Apr. 17; Serial No. 584,720, published Jan. 23, 1951.
Dresses, Ladies' and misses' sport, and casual dresses. Forest City Manufacturing Company. 541,184, Apr. 17; Serial No. 596,839, published Jan. 23, 1951.
Dresses, play suits, slacks, etc. Clock-Wise Fashions. 541,083, Apr. 17; Serial No. 584,800, published Jan. 30, 1951.
Dresses, Women's. Tabin-Picker & Co. 345,720, May 4, 1937. Republished Apr. 17.

Garments, Children's outer. Excel Garment Manufacturing Company. 541,060, Apr. 17; Serial No. 580,981, published Jan. 2, 1951.
Garments, Ladies' and children's washable. Sherman Wash Wear, Inc. 541,121, Apr. 17; Serial No. 591,109, published Jan. 23, 1951.
Girdles, Maternity. Kabo, Inc. 541,066, Apr. 17; Serial No. 582,085, published Jan. 16, 1951.
Gloves. Comptoir de l'Industrie Cotonniere Société à Responsabilite Limitee. 541,088, Apr. 17; Serial No. 585,513, published Jan. 30, 1951.
Gloves, Work. The Boss Manufacturing Company. 279,512, renewed Jan. 20, 1951. O. G. Apr. 17.
Gloves, Work. Good Luck Glove Company. 540,951, Apr. 17; Serial No. 529,160, published Jan. 30, 1951.
Hair nets. S. Oliner. 541,252, Apr. 17; Serial No. 593,814.
Hats, Ladies'. Greenberg-Fisch Hat Co. 540,955, Apr. 17; Serial No. 539,047, published Jan. 30, 1951.
Hosiery. Bear Brand Hosiery Co. 277,807, renewed Nov. 25, 1950. O. G. Apr. 17.
Hosiery. Chipman Knitting Mills. 126,400, Aug. 26, 1919. Republished Apr. 17.
Hosiery. Palmyra Hosiery Mills, Inc. 540,980, Apr. 17; Serial No. 552,693, published Apr. 4, 1950.
Hosiery for women. B. Altman & Co. 541,143, Apr. 17; Serial No. 592,969, published Jan. 30, 1951.
Hosiery, Infants'. Dolly Hosiery Mills, Inc. 541,164, Apr. 17; Serial No. 594,527, published Jan. 30, 1951.
Hosiery, Infants'. Dolly Hosiery Mills, Inc. 541,183, Apr. 17; Serial No. 596,719, published Jan. 30, 1951.
Hosiery, Women's. Burlington Mills Corporation. 541,135, Apr. 17; Serial No. 592,472, published Jan. 30, 1951.
Hosiery, Women's. Our Store Brands, Inc. 541,166, Apr. 17; Serial No. 594,572, published Jan. 30, 1951.
Hosiery, Women's nylon. Harrison Hosiery Mills, Inc. 541,079, Apr. 17; Serial No. 584,451, published Jan. 16, 1951.
Insoles. Mishawaka Rubber and Woolen Manufacturing Company. 540,963, Apr. 17; Serial No. 543,642, published Jan. 9, 1951.
Jackets, Sport, sport suits, slacks, etc. Currick & Leiken Co., Inc. 541,115, Apr. 17; Serial No. 589,936, published Jan. 9, 1951.
Jeans, Ladies' blue, and men's and boys' dungarees and overalls. Carolina Garment Company. 541,246, Apr. 17; Serial No. 589,828.
Lingerie. Train-Ellis, Inc. 541,247, Apr. 17; Serial No. 590,467.
Overalls, dungarees, work pants, outer work shirts, etc., Men's and boys'. Siceloff Manufacturing Company, Inc. 541,075, Apr. 17; Serial No. 583,824, published Jan. 23, 1951.
Pants, Baby. I. B. Kleinert Rubber Company. 541,208, Apr. 17; Serial No. 515,568.
Pants, shirts, and uniforms, Ball players'. Strike Zone Uniforms Estate. 541,158, Apr. 17; Serial No. 593,943, published Jan. 2, 1951.
Petticoats. Chevette, Inc. 541,249, Apr. 17; Serial No. 592,874.
Sandals, Men's and women's locker. Mishawaka Rubber and Woolen Manufacturing Company. 540,991, Apr. 17; Serial No. 557,858, published Jan. 9, 1951.
Shawls for babies. The H. E. Frisch Knitting Mills Company. 541,241, Apr. 17; Serial No. 584,759.
Shirts, Outer, and jackets. Westmoor Manufacturing Co. 541,170, Apr. 17; Serial No. 595,112, published Jan. 23, 1951.
Shoes. Brevitt Shoes Limited. 444,470–1, Apr. 17; Serial Nos. 504,246–7, published Jan. 23, 1951.
Shoes. Brevitt Shoes Limited. 540,964, Apr. 17; Serial No. 543,772, published Jan. 23, 1951.
Shoes. Dorset Mail Order Corporation. 541,086, Apr. 17; Serial No. 585,109, published Jan. 23, 1951.
Shoes. O'Donnell Shoe Corporation. 540,962, Apr. 17; Serial No. 542,337, published Jan. 2, 1951.
Shoes. A. Vamos. 541,188, Apr. 17; Serial No. 597,794, published Jan. 23, 1951.
Shoes. A. G. Walton & Company, Inc. 540,971, Apr. 17; Serial No. 549,995, published Jan. 23, 1951.
Shoes for ladies and children. Victor Footwear Sales Company. 540,990, Apr. 17; Serial No. 557,168, published Jan. 23, 1951.
Shoes for men and women. Miller-Jones Company. 541,040, Apr. 17; Serial No. 576,271, published Jan. 23, 1951.
Shoes for women. Miller-Jones Company. 541,041, Apr. 17; Serial No. 576,272, published Jan. 23, 1951.
Shoes, Leather. John Halliday & Son Limited. 541,225, Apr. 17; Serial No. 561,746.
Shoes, Men's. Gallenkamp Stores Co. 540,970, Apr. 17; Serial No. 549,144, published Jan. 30, 1951.
Shoes, Women's. Craddock-Terry Shoe Corp. 541,181, Apr. 17; Serial No. 596,654, published Jan. 23, 1951.
Shoes, Women's leather and fabric. Frederick Loeser & Co. Inc. 278,225, Dec. 9, 1930. Republished Apr. 17.
Shoes, Women's novelty. Belk's Buying Service, Incorporated. 540,988, Apr. 17; Serial No. 556,534, published Jan. 30, 1951.
Shoes, etc., Work, dress, leather, canvas, and sport. L. A. Kerr. 282,244, renewed Apr. 14, 1951. O. G. Apr. 17.
Shorts, Children's outer and under. Hansley Mills, Inc. 541,095, Apr. 17; Serial No. 586,855, published Jan. 30, 1951.
Slips and nightgowns, Ladies' and misses'. The Davidson Brothers Corp. 541,240, Apr. 17; Serial No. 584,531.
Socks. Wilmington Hosiery Mills, Inc. 541,162, Apr. 17; Serial No. 594,505, published Jan. 30, 1951.
Soles and heels, Rubber. Mishawaka Rubber and Woolen Manufacturing Company. 541,190, Apr. 17; Serial No. 597,969, published Jan. 23, 1951.
Soles for shoes, Inner. V. & F. W. Filoon Company. 281,941, Apr. 7, 1931. Republished Apr. 17.
Stiffeners for boots and shoes, Moulded. Avalon Leather Board Company Limited. 540,992, Apr. 17; Serial No. 559,659, published Jan. 23, 1951.
Stockings, Women's nylon. Cardinal Hosiery Co., Inc. 541,163, Apr. 17; Serial No. 594,518, published Jan. 30, 1951.
Suits and vests, skirts, etc., Ladies'. Jeunisse Fashions, Inc. 541,189, Apr. 17; Serial No. 597,830, published Jan. 30, 1951.
Suits, coats, vests, etc., Men's and boys'. Baker Clothes, Inc. 541,057, Apr. 17; Serial No. 579,786, published Oct. 10, 1950.
Suits, etc., Men's, youths' and boys'. M. & B. Cohen Co. 281,053, renewed Mar. 10, 1951. O. G. Apr. 17.
Suits for children, Lined snow. Minnesota Sportswear Manufacturing Company. 540,994, Apr. 17; Serial No. 560,823, published Jan. 2, 1951.
Suits, overcoats, and topcoats, Men's. Dickinson Clothes, Inc. 279,430, renewed Jan. 13, 1951. O. G. Apr. 17.
Suits, topcoats, and overcoats, Men's. Samson, Crane Co. 540,987, Apr. 17; Serial No. 556,376, published Jan. 2, 1951.
Trousers and suits, outer shirts and football pants, Men's and boys'. Southern Athletic Company, Inc. 541,116, Apr. 17; Serial No. 590,333, published Jan. 16, 1951.
Trousers, Men's and boys'. Hoosier Factories, Inc. 541,000, Apr. 17; Serial No. 563,339, published Jan. 23, 1951.
Under shirts, Knitted, and knitted underwear. Conn Knitting Mills, Inc. 541,022, Apr. 17; Serial No. 569,672, published Jan. 30, 1951.
Underwear for men and boys. D. A. Schulte, Inc. 541,228, Apr. 17; Serial No. 567,095.

CLASS 40

Buckles, collar holders, cuff buttons, and cuff links, etc. Hickok Manufacturing Co. Inc. 541,191, Apr. 17; Serial No. 598,016, published Jan. 23, 1951.
Collar supporting device, Man's shirt. R. K. Kennedy. 541,139, Apr. 17; Serial No. 592,816, published Jan. 23, 1951.
Leather receptacles. E. J. Wilkins Company. 541,176, Apr. 17; Serial No. 596,138, published Jan. 23, 1951.
Millinery braids. Embrusa, Inc. 541,227, Apr. 17; Serial No. 565,915.
Pins, Hair and bob. Hugh H. Wilson Company, Inc. 541,245, Apr. 17; Serial No. 589,057.

CLASS 42

Fabrics in the piece, Cotton. Bemis Bro. Bag Company. 541,101, Apr. 17; Serial No. 588,269, published Aug. 1, 1950. (Consolidated certificate, Classes 42 and 50.)
Piece goods, Cotton. James Nelson, Limited. 282,325, renewed Apr. 21, 1951. O. G. Apr. 17.
Piece goods, Cotton and spun rayon. Tabin-Picker & Co. 371,766, Oct. 3, 1939. Republished Apr. 17.

CLASS 43

Wool, Knitting, and knitting yarn. William Hollins & Company Limited. 541,192, Apr. 17; Serial No. 600,486, published Jan. 23, 1951.
Yarn. Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée. 540,089, Apr. 17; Serial No. 585,514, published Jan. 23, 1951.

CLASS 44

Acrylic resinous material. B. L. Dental Company, Inc. 541,025, Apr. 17; Serial No. 570,538, published Jan. 23, 1951.
Body massaging vibrating machine, Automatic coin operated. L. G. Coury. 541,148, Apr. 17; Serial No. 593,333, published Jan. 9, 1951.
Corrective devices. Société Anonyme des Bas "Occulta." 297,721, Sept. 27, 1932. Republished Apr. 17.
Devices or appliances, namely gauze dressings, etc. Abbott Laboratories. 540,955, Apr. 17; Serial No. 562,741, published Mar. 7, 1950. (Consolidated certificate, Classes 18, 44, and 46.)
Orthopaedic appliances. C. & J. Clark, Limited. 541,019, Apr. 17; Serial No. 569,349, published Jan. 23, 1951.
Sanitary belts. Malamut & Chanen. 541,050, Apr. 17; Serial No. 578,606, published Jan. 9, 1951.
Surgical and abdominal belts and hip reducers. The Ohio Truss Company. 283,041, renewed May 12, 1951. O. G. Apr. 17.
Therapeutic lamps. Infra-Appliances Corporation. 541,032, Apr. 17; Serial No. 573,158, published Jan. 9, 1951.
Tongue depressors. M. Neumann. 541,029, Apr. 17; Serial No. 572,040, published Jan. 16, 1951.

X-ray diffraction filters, fluoroscopes, and mountings for fluoroscopic screens. E. I. du Pont de Nemours and Company. 541,064, Apr. 17; Serial No. 581,801, published Jan. 9, 1951.

CLASS 45

Ginger ale and nonalcoholic maltless, carbonated drinks. The Saegertown Mineral Water Company. 276,150, renewed Oct. 7, 1950. O. G. Apr. 17.

CLASS 46

Bakery products. Grandma Baking Company. 541,048, Apr. 17; Serial No. 578,445, published Jan. 16, 1951.
Bread. General Baking Company. 284,246, renewed June 23, 1951. O. G. Apr. 17.
Bread, cakes, doughnuts, etc. Gardner Baking Company. 541,035, Apr. 17; Serial No. 575,345, published Jan. 16, 1951.
Candy. Ambrosia Chocolate Company. 279,232, renewed Jan. 13, 1951. O. G. Apr. 17.
Candy, Chocolate. W. F. Schrafft & Sons Corporation. 279,361, renewed Jan. 13, 1951. O. G. Apr. 17.
Canned and bottled roasted peppers. The Mancini Packing Company. 541,165, Apr. 17; Serial No. 594,558, published Jan. 16, 1951.
Canned apples, blackberries, cherries, etc. The Scudders-Gale Grocer Co. 81,635, re-renewed Apr. 25, 1951. O. G. Apr. 17.
Canned foods. National Retailer-Owned Grocers, Inc. 541,084, Apr. 17; Serial No. 584,827, published Jan. 23, 1951.
Canned vegetables. Pratt-Low Preserving Company. 541,219, Apr. 17; Serial No. 546,790.
Canned vegetables. The Somerset Canning Corporation. 541,077, Apr. 17; Serial No. 584,019, published Oct. 17, 1950.
Canned vegetables, canned fruits, canned dog and cat food, etc. Santo Alloto & Sons. 541,157, Apr. 17; Serial No. 593,767, published Jan. 16, 1951.
Catsup, chicken à la king, etc. Psaki Brothers. 282,272, renewed Apr. 14, 1951. O. G. Apr. 17.
Cheese. La Corporation de La Trappe de Notre-Dame du Lac-des Deux Montagnes. 281,851, renewed Mar 31 1951. O. G. Apr. 17.
Cheese. Miller-Richardson Co., Inc. 280,555, Feb. 17, 1931. Republished Apr. 17.
Cheeses, Bulk. New Sonoma Creamery. 541,140, Apr. 17; Serial No. 592,828, published Jan. 2, 1951.
Cherries, Bottled. Ohio Fruit Products Co., Inc. 540,950, Apr. 17; Serial No. 528,580, published Jan. 4, 1949.
Chewing gum. Clark Brothers Chewing Gum Company. 541,001, Apr. 17; Serial No. 563,603, published Dec. 26, 1950.
Chewing gum. Topps Chewing Gum, Incorporated. 541,002, Apr. 17; Serial No. 563,766, published Jan. 16, 1951.
Chicken, Cooked, and prepared dinners. N. Yanko. 541,052, Apr. 17; Serial No. 578,910, published Jan. 16, 1951.
Coffee. George J. Howe Company. 277,871, Dec. 2, 1930. Republished Apr. 17.
Corn starch. Clinton Foods Inc. 541,145, Apr. 17; Serial No. 593,107, published Jan. 9, 1951.
Dates, Fresh. J. F. Wise. 541,105, Apr. 17; Serial No. 588,819, published Dec. 26, 1950.
Extracts, Flavoring, and artificial flavoring extracts. Universal Import Co. 81,313, re-renewed Mar. 21, 1951. O. G. Apr. 17.
Feeds. Dannen Mills, Inc. 540,965, Apr. 17; Serial No. 543,903, published Oct. 3, 1950.
Feeds, Animal. J. C. Thomas, Jr. 541,007, Apr. 17; Serial No. 564,485, published Jan. 16, 1951.
Feeds, Poultry. Boonville Mills Company. 279,548, renewed Jan. 20, 1951. O. G. Apr. 17.
Flour, Wheat. The Colorado Milling & Elevator Co. 540,976, Apr. 17; Serial No. 551,612, published Oct. 31, 1950.
Food, Dog and cat. Daisy Pet Food Co. 541,092, Apr. 17; Serial No. 586,048, published Dec. 5, 1950.
Food, Dog and cat. D. R. Lewis. 541,067, Apr. 17; Serial No. 582,136, published Jan. 23, 1951.
Food flavoring extracts and brominated vegetable oils for food purposes. Abbott Laboratories. 540,954, Apr. 17; Serial No. 562,742, published Aug. 15, 1950. (Consolidated certificate, Classes 18, 44, and 46.)
Foods, Prepared. Pratt Food Company. 541,218, Apr. 17; Serial No. 541,962.
Fruits, Fresh citrus. Redlands-Highlands Fruit Exchange. 283,662, renewed June 2, 1951. O. G. Apr. 17.
Garlic, Fresh. Caruso Brothers Produce Company. 541,027, Apr. 17; Serial No. 570,834, published Jan. 16, 1951.
Juice, Fresh orange. Fresh Corporation. 541,069, Apr. 17; Serial No. 582,350, published Jan. 16, 1951.
Liverwurst, lunch roll, olive loaf, etc. Karl Seiler & Sons, Inc. 540,982–3, Apr. 17; Serial Nos. 552,810–11, published Dec. 26, 1950.
Macaroni. Chicago Macaroni Co. 288,333, Oct. 27, 1931. Republished Apr. 17.
Mayonnaise, salad dressing, and relish spread. Kraft-Phenix Cheese Company. 281,323, Mar. 17, 1931. Republished Apr. 17.
Meat products. F. G. Vogt & Sons, Incorporated. 280,639, renewed Feb. 24, 1951. O. G. Apr. 17.
Milk, Powdered skimmed, and powdered whole milk. M & R Dietetic Laboratories, Inc. 280,282, renewed Feb. 10, 1951. O. G. Apr. 17.
Onions, Dried. Basic Vegetable Products, Inc. 540,948, Apr. 17; Serial No. 519,048, published Jan. 23, 1951.
Potatoes, Fresh, fresh onions. Schley Brothers. 540,969, Apr. 17; Serial No. 547,778, published Jan. 2, 1951.
Rice. Fred L. Waldron Ltd. 280,280, renewed Feb. 10, 1951. O. G. Apr. 17.
Salad dressing, Special, mayonnaise, and French dressing. Brockles Foods Company. 540,947, Apr. 17; Serial No. 517,551, published Jan. 2, 1951.
Salt, Block. Belmont Stable Supply Company. 35,786, re-renewed Jan. 15, 1951. O. G. Apr. 17.
Starch, Wheat, and corn starch. H. Kohnstamm & Co. 82,093, re-renewed May 30, 1951. O. G. Apr. 17.
Vanilla, Concentrated imitation. H. Kohnstamm & Co., Inc. 541,150, Apr. 17; Serial No. 593,418, published Jan. 16, 1951.
Vegetables, Fresh. Gulf Vegetable and Fruit Company, Inc. 279,234, renewed Jan. 13, 1951. O. G. Apr. 17.
Vegetables, Fresh. J. A. Wood Company, Growers, Packers and Shippers. 540,979, Apr. 17; Serial No. 551,828, published Jan. 23, 1951.

CLASS 50

Bottle caps, Dairy. Mid-West Bottle Cap Co. 540,998, Apr. 17; Serial No. 562,651, published Dec. 19, 1950.
Clinical teaching model of the human anatomy. Holland-Rantos Co., Inc. 541,005, Apr. 17; Serial No. 564,124, published Dec. 19, 1950.
Dressmaker's forms. Société à Responsabilité Limitée Comptoir de l'Industrie Cotonniere. 540,975, Apr. 17; Serial No. 550,750, published Dec. 19, 1950.
Mats, Bath. Pretty Products, Inc. 541,217, Apr. 17; Serial No. 541,338.
Sign characters, Individual demountable display. Adler Silhouette Letter Co. 540,973, Apr. 17; Serial No. 550,009, published Dec. 19, 1950.
Signs, Display. Adler Silhouette Letter Co. 540,972, Apr. 17; Serial No. 550,008, published Dec. 19, 1950.
Signs, Luminous and nonluminous, traffic. American Gas Accumulator Company. 279,247, renewed Jan. 13, 1951. O. G. Apr. 17.
Tents, tarpaulins, and waterproof fabric covers. Bemis Bro. Bag Company. 541,101, Apr. 17; Serial No. 588,270, published Jan. 16, 1951. (Consolidated certificate, Classes 42 and 50.)

CLASS 51

Absorbents, alteratives, analgesics, anaphrodisiacs, etc. McKesson & Robbins, Incorporated. 279,146, renewed Jan. 6, 1951. O. G. Apr. 17.
Anti-shine preparation. Elizabeth Arden Sales Corporation. 541,068, Apr. 17; Serial No. 582,339, published Dec. 5, 1950.
Cake makeup. Richard Hudnut. 541,211, Apr. 17; Serial No. 532,222.
Cosmetic preparations, Essential Cosmetics Inc. 541,226, Apr. 17; Serial No. 564,773.
Creme hair dressing. Gillette Safety Razor Company. 541,186, Apr. 17; Serial No. 597,146, published Dec. 26, 1950.
Deodorant, Personal. Virginia Parks, Inc. 541,061–2, Apr. 17; Serial No. 581,491–2, published Dec. 26, 1950.
Eau de cologne. Bourjois, Inc. 541,177, Apr. 17; Serial No. 596,155, published Dec. 26, 1950.
Face powder and bath powder. Caron Corporation. 541,128, Apr. 17; Serial No. 591,911, published Dec. 5, 1950.
Hair rinsing solution. King Research, Inc. 541,175, Apr. 17; Serial No. 595,965, published Dec. 26, 1950.
Lipstick, face powder, solid cologne and brilliantine. Consolidated Cosmetics. 541,119, Apr. 17; Serial No. 591,020, published Dec. 12, 1950.
Nursery and toilet powder. Desitin Chemical Co. 541,180, Apr. 17; Serial No. 596,486, published Dec. 26, 1950.
Oil for hair and scalp. C. M. Farmer. 541,152, Apr. 17; Serial No. 593,476, published Dec. 5, 1950.
Perfume and toilet water. Al Rosenfeld, Inc. 391,972, Dec. 2, 1941. Republished Apr. 17.
Perfume, cologne, toilet water, toilet lotions, etc. B. Altman & Co. 541,185, Apr. 17; Serial No. 597,115, published Dec. 26, 1950.
Perfumes. G. B. Edmunds. 540,985, Apr. 17; Serial No. 555,393, published Dec. 26, 1950.
Preparation for waving the hair. Consolidated Royal Chemical Corporation. 541,231, Apr. 17; Serial No. 570,782.
Shaving cream, skin cream, face lotions, etc. M. M. Fleron & Son Inc. 541,085, Apr. 17; Serial No. 584,951, published Oct. 31, 1950.
Soaps and perfumes. Colgate & Co. 36,560, re-renewed June 11, 1951. O. G. Apr. 17.

CLASS 52

Cleaner, Sudsing, cleanser, and detergent. The Procter & Gamble Company. 541,141, Apr. 17; Serial No. 592,934, published Jan. 23, 1951.

Cleaning compositions, etc., Floor, laundry, and skin. Sugar Beet Products Company, Inc. 541,106, Apr. 17; Serial No. 588,908, published Jan. 23, 1951.

Cleaning compositions, Skin. Sugar Beet Products Company, Inc. 541,107, Apr. 17; Serial No. 588,909, published Jan. 23, 1951.

Cleaning preparation, Window. Chapman & Rodgers, Inc. 375,781, Feb. 27, 1940. Republished Apr. 17.

Soap, Pine jelly. W. Cooper. 541,144, Apr. 17; Serial No. 593,056, published Jan. 23, 1951.

Soap, Toilet. Colgate-Palmolive-Peet Company. 541,093, Apr. 17; Serial No. 586,140, published Jan. 23, 1951.

CLASS 100

Restaurant services. Hubbard House, Inc. 541,200, Apr. 17; Serial No. 542,948, published Jan. 23, 1951.

Restaurant, soda fountain and pharmaceutical prescription services. Walgreen Co. 541,201, Apr. 17; Serial No. 544,229, published Jan. 23, 1951.

Services rendered to garment manufacturers. The American Thread Company. 541,255, Apr. 17; Serial No. 553,663.

Weight reducing treatment. B. H. Stauffer. 541,195, Apr. 17; Serial No. 527,727, published Jan. 23, 1951.

CLASS 102

Insurance, Life, casualty and property. Aetna Life Insurance Company. 541,196, Apr. 17; Serial No. 530,144, published Jan. 23, 1951.

Underwriting of life and endowment insurance, etc. Pacific Mutual Life Insurance Company. 541,203, Apr. 17; Serial No. 564,398, published Jan. 23, 1951.

Underwriting of life insurance. Provident Life Insurance Company. 541,206, Apr. 17; Serial No. 587,986, published Jan. 23, 1951.

CLASS 103

Lighting services. F. Clark. 541,256, Apr. 17; Serial No. 584,525.

CLASS 104

Radio program broadcasting services. Westinghouse Radio Stations, Inc. 541,204, Apr. 17; Serial No. 566,200, published Jan. 23, 1951.

CLASS 105

Freight transportation by highway, etc. Bigge Drayage Co. 541,202, Apr. 17; Serial No. 546,087, published Jan. 23, 1951.

Transportation by motor bus. The Greyhound Corporation. 541,197–9, Apr. 17; Serial Nos. 530,196–8, published Jan. 16, 1951.

CLASS 106

Processing and finishing fabrics. Delaware Dyeing & Finishing Co., Inc. 541,205, Apr. 17; Serial No. 586,401, published Jan. 23, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aspinwall, Robert B., assignor to The Monopower Corporation, Detroit, Mich. Transmission control. Re. 23,356, Apr. 17.

Carrier Corporation, assignee: *See*—
Reed, Winston H., and Pennington.

Cromwell, Harold J.: *See*—
Schneider, Paul L., Nighbert, and Cromwell.

Gaspar, Bela, Beverly Hills, Calif. Color photographic material and producing same. Re. 23,357, Apr. 17.

General Motors Corporation, assignee: *See*—
Schneider, Paul L., Nighbert, and Cromwell.

Monopower Corporation, The, assignee: *See*—
Aspinwall, Robert B.

Nighbert, Dennis W.: *See*—
Schneider, Paul L., Nighbert, and Cromwell.

Pennington, William A.: *See*—
Reed, Winston H., and Pennington.

Reed, Winston H., Radford, Va., and W. A. Pennington, Fayetteville, assignors to Carrier Corporation, Syracuse, N. Y. Producing increased refrigeration. Re. 23,358, Apr. 17.

Schneider, Paul L., D. W. Nighbert, and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter drive. Re. 23,359, Apr. 17.

LIST OF DESIGN PATENTEES

Adler, Samuel E., Chicago, Ill. Combined radio-phonograph and television cabinet. 162,920, Apr. 17.

Aitken, Roy, Glasgow, Scotland. Soap holder. 162,921, Apr. 17.

American Legion, The, assignee: *See*—
Morris, Carlos A.

Auchter, Joseph, Lincoln Park, assignor to Willson Products, Inc., Reading, Pa. Pair of sunglasses or similar article. 162,922, Apr. 17.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Ring box. 162,923, Apr. 17.

Becherer, Walter F. W., Milwaukee, Wis. Shrimp deveiner. 162,924, Apr. 17.

Berkowitz, David E., Elkins Park, Pa. Device for displaying axes or other articles of merchandise. 162,925, Apr. 17.

Berkowitz, David E., Elkins Park, Pa. Device for displaying axes or other articles of merchandise. 162,926, Apr. 17.

Bloom, Adele, River Falls, Wis. Combination desk and bookcase. 162,927, Apr. 17.

Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.

Boldt, Melvin H.: *See*—
Morgan, John R., and Boldt.

Bristol Manufacturing Corporation, assignee: *See*—
Hard, John E.

Britton, Dempsey C., Cold Springs, Ky. Warning signal. 162,928, Apr. 17.

Bruce, Leo J., Framingham Center, Mass., assignor to Telechron, Inc. Clockcase. 162,929, Apr. 17.

Brukoff, William A., Chicago, Ill. Vaporizer. 162,930, Apr. 17.

Buckles, Ethel B., Columbia City, Ind. Compartmented refrigerator tray. 162,931, Apr. 17.

Burleigh Brooks Co., assignee: *See*—
Rizzatti, Frank J.

Burnham, Harold F., Highland Park, N. J., assignor to Johnson & Johnson. Garment grip or the like. 162,932, Apr. 17.

Chambers, Edmund E., Westmount, Quebec. Disposable razor. 162,933, Apr. 17.

Cleveland Welding Company, The, assignee: *See*—
Kranz, Harry W.

Coca-Cola Company, The, assignee: *See*—
Roeder, Walter G.

Columbia Protektosite Co. Inc., assignee: *See*—
Tietje, Helmut G.

Connell, William S., Norwood Park, Ill. Soda fountain. 162,934, Apr. 17.

Connell, William S., Norwood Park, Ill. Soda fountain. 162,935, Apr. 17.

Cooper, Leo M., New York, N. Y. Dress or like article of feminine apparel. 162,936, Apr. 17.

Crespinel, William T.: *See*—
Roos, Leonard H., and Crespinel.

Crown Stove Works, assignee: *See*—
Morgan, John R., and Boldt.

Demis, Michael C.: *See*—
Killinger, John W., and Demis.

Dixon, Robert C., Idaho Springs, Colo. Ash tray. 162,937, Apr. 17.

Doehler-Jarvis Corporation, assignee: *See*—
Johnston, Kenneth H.

Dopera, Rudolph, Los Angeles, Calif. Sugar bowl or similar article. 162,938, Apr. 17.

Doughboy Industries, Inc., assignee: *See*—
Drury, Richard C.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Single spindle automatic chucking machine. 162,939, Apr. 17.

Drury, Richard C., assignor to Doughboy Industries, Inc., New Richmond, Wis. Inflatable toy animal figure. 162,940, Apr. 17.

Ehrman, Clarence D., Petersburg, Va. Combined denture brush, scraper, and powder adapter. 162,941, Apr. 17.

Emmert, George W., assignor to Federal Premium Service Corporation, Chicago, Ill. Powder can holder or similar article. 162,942, Apr. 17.

Federal Premium Service Corporation, assignee: *See*—
Emmert, George W.

Feintuch, Rose, New York, N. Y. Dress. 162,943, Apr. 17.

Flajole, William J., Detroit, Mich. Automobile headlight protector. 162,944, Apr. 17.

Foster Grant Co., Inc., assignee: *See*—
Foster, Joseph C.

Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Spectacle frame. 162,945, Apr. 17.

Francks, John S., Fort Worth, Tex. Barbecue machine. 162,946, Apr. 17.

Gardner-Richardson Company, The, assignee: *See*—
Ringler, William A.

General Electric Company, assignee: *See*—
Petzold, William B.

Goodman, Joseph, New York, N. Y. Child's rattle. 162,947, Apr. 17.

Goodman, Joseph, New York, N. Y. Toy gun. 162,948, Apr. 17.

Gowland, Catherine C. B., Narberth, Pa. Sifting container. 162,949, Apr. 17.

Gruen Watch Company, The, assignee: *See*—
Katz, Benjamin S.

Gwynn, Robert D., Detroit, Mich. Shirt. 162,950, Apr. 17.

Haon, Ruth, New York, N. Y. Pin cushion or similar article. 162,951, Apr. 17.

Hard, John E., Edgewood, assignor to Bristol Manufacturing Corporation, Bristol, R. I. Boot or similar article. 162,952, Apr. 17.

Hayward, Josephine, assignor to Whitesons, Inc., New York, N. Y. Knitted slipover adjustable neckline blouse. 162,953, Apr. 17.

Higier, Ross H., Johnstown, N. Y. Glove. 162,954, Apr. 17.

Hirschman, Irving, Brooklyn, N. Y. Spectacle frame or similar article. 162,955, Apr. 17.

Hockery, John C., assignee, trustee: *See*—
Talge, Henry J.

Hovey, C. Earl, assignee, trustee: *See*—
Manley, Warren O.

Hurwitz, Bernard, New York, N. Y. Dress ensemble. 162,956, Apr. 17.

Hurwitz, Bernard, New York, N. Y. Dress. 162,957, Apr. 17.

Ives, Burton H., Chicago, Ill. Bracket for supporting kitchen articles. 162,958, Apr. 17.

Jackes-Evans Manufacturing Company, assignee: *See*—
MacDougall, Franklin M.

Janes, Arthur B., and G. V. Zaccardo, Seattle, Wash. Bottle holder. 162,959, Apr. 17.

Johnson & Johnson, assignee : *See*—
Burnham, Harold F.
Johnston, Kenneth H., Berwyn, Ill., assignor to Dochler-Jarvis Corporation, New York, N. Y. Roaster. 162,960, Apr. 17.
Katz, Benjamin S., Indian Hill Village, assignor to The Gruen Watch Company, Cincinnati, Ohio. Watch. 162,961, Apr. 17.
Killinger, John W., Napa, and M. C. Demis, Imola, Calif. Comb. 162,962, Apr. 17.
Kimball, Arthur B., Newtonville, Mass. Rosary. 162,963, Apr. 17.
Kinevox, Incorporated, assignee : *See*—
Roos, Leonard H., and Crespinel.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle. 162,964, Apr. 17.
Krieger, Rose, North Hollywood, Calif. Cap or similar article. 162,965, Apr. 17.
Lacon Corporation : *See*—
Lunde, Thomas T.
Lewy, Theodore, San Francisco, Calif. Toy cable car. 162,966, Apr. 17.
Long, Harry G., Los Angeles, and M. D. Youker, Lynwood, Calif. ; said Youker assignor to said Long. Berry basket or the like. 162,967, Apr. 17.
Lummus Company, The, assignee : *See*—
O'Connor, Ward J.
Lunde, Thomas T., Mill Valley, Calif., assignor to Lacon Corporation. Machine for making and storing ice cubes. 162,968, Apr. 17.
MacDougall, Franklin M., Kirkwood, assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Gas heater. 162,969, Apr. 17.
Manley, Warren O., North Kansas City, assignor to C. E. Hovey, Kansas City, Mo., as trustee. Washing machine. 162,970, Apr. 17.
Marchand, Adolph, Jackson Heights, N. Y. Towel rack. 162,971, Apr. 17.
Marona, Charles, Pittsburgh, Pa. Combined wall pocket, pin cushion, calendar, and hanger for pot holders. 162,972, Apr. 17.
May Hosiery Mills, assignee : *See*—
Schwartz, Shepard B., and Blum.
Meyerson, Samuel, Brooklyn, N. Y. Expansible bracelet or the like. 162,973, Apr. 17.
Milestan, Walter J. : *See*—
Nettleton, Harvey L. F., and Milestan.
Miller, Howard, Clock Company, assignee : *See*—
Nelson, George W.
Morgan, John R., Chicago, and M. H. Boldt, Glenview, assignors to Crown Stove Works, Chicago, Ill. Cooking stove. 162,974, Apr. 17.
Morris, Carlos A., assignor to The American Legion, Indianapolis, Ind. Medal. 162,975, Apr. 17.
National Acme Company, The, assignee : *See*—
Drissner, Alfred E.
Nelson, George W., New York, N. Y., assignor to Howard Miller Clock Company, Zeeland, Mich. Clock. 162,976, Apr. 17.
Nettleton, Harvey L. F., Milford, and W. J. Milestan, Bridgeport, Conn. Door control. 162,977, Apr. 17.
Neumann, Frank E., Los Angeles, Calif. Toothbrush holder. 162,978, Apr. 17.
O'Connor, Ward J., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Console. 162,979, Apr. 17.
O'Keefe, Daniel P., Los Angeles, Calif. Stove backguard. 162,980, Apr. 17.
Olson, Ronald J., Pelican Rapids, Minn. Table rack. 162,981, Apr. 17.
Perkins, Clarence R., Niles, Ohio. Building. 162,982, Apr. 17.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Ring box or similar article. 162,983, Apr. 17.
Porter, Minnie, Knoxville, Tenn. Apron. 162,984, Apr. 17.
Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Liquid serving unit. 162,985, Apr. 17.
Punzak Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Liquid serving unit. 162,986, Apr. 17.
Quaker Lace Company, assignee : *See*—
Waldman, Thelma.
Rich, Hyman R., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Portable spraying device. 162,987, Apr. 17.
Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Collapsible bottle carrier. 162,988, Apr. 17.
Rizzatti, Frank J., Brooklyn, assignor to Burleigh Brooks Co., New York, N. Y. Photographic flash gun. 162,989, Apr. 17.
Roeder, Walter G., Scarsdale, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Stand. 162,990, Apr. 17.
Roos, Leonard H., and W. T. Crespinel, assignors to Kinevox, Incorporated, Burbank, Calif. Synchronous magnetic recorder or the like. 162,991, Apr. 17.
Sandler, Jacob, New York, N. Y. Shoe. 162,992, Apr. 17.
Satz, William, Los Angeles, Calif. Bottle closure or the like. 162,993, Apr. 17.
Savron, Hortense, New York, N. Y. Child's apron in the form of a puppet. 162,994, Apr. 17.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 162,995, Apr. 17.
Sivertsen, Peter M., Greenwich, Conn. Slicing machine. 162,996, Apr. 17.
Talge, Henry J., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Food grinder. 162,997, Apr. 17.
Telechron, Inc., assignee : *See*—
Bruce, Leo I.
Tietje, Helmut G., Cresskill, assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Goggle frame. 126,998, Apr. 17.
Uncas Manufacturing Company, assignee : *See*—
Barbieri, Nicholas.
United Metal Goods Manufacturing Co., Inc., assignee : *See*—
Punzak, Joseph F.
United States Rubber Company, assignee : *See*—
Yaggi, Lawrence W.
Verrand, Mamie, New York, N. Y. Dress. 162,999, Apr. 17.
Verrand, Mamie, New York, N. Y. Dress. 163,000, Apr. 17.
Verrand, Mamie, New York, N. Y. Dress ensemble. 163,001, Apr. 17.
Volkheimer, Charles, New Hyde Park, N. Y. Adjustable ratchet wrench. 163,002, Apr. 17.
Waldman, Thelma, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 163,003, Apr. 17.
Waldman, Thelma, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 163,004, Apr. 17.
Wasson, David H., North Tonawanda, N. Y. Ash tray. 163,005, Apr. 17.
Weill, Milton, New York, N. Y. Jewelry box. 163,006, Apr. 17.
West Disinfecting Company, assignee : *See*—
Rich, Hyman R.
Westernacher, Fritz, New York, N. Y. Merchandise display stand or similar article. 163,007, Apr. 17.
Whitesons, Inc., assignee : *See*—
Hayward, Josephine.
Willson, Alfred B., East Hartford, Conn. Poultry and livestock inoculator or similar article. 163,008, Apr. 17.
Willson Products, Inc., assignee : *See*—
Auchter, Joseph.
Wiseman, Robert T., Canton, Ohio. Shoe or similar article. 163,009, Apr. 17.
Wiseman, Robert T., Canton, Ohio. Evening slipper. 163,010, Apr. 17.
Wishnick, Milton W., Oak Park, Ill. Combination food merchandising container and cooking utensil. 163,011, Apr. 17.
Yaggi, Lawrence W., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Shoe sole. 163,012, Apr. 17.
Youker, Mildred D. : *See*—
Long, Harry G., and Youker.
Zaccardo, Gilbert V. : *See*—
James, Arthur B., and Zaccardo.
Zeman, Charles J., Kalamazoo, Mich. Extendable and portable bar. 163,013, Apr. 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A P Controls Corporation, assignee : *See*—
Biermann, William A., and McCarty.
Ackermans, John W. J., Detroit, Mich. Folding top for automobiles. 2,549,153, Apr. 17.
Adams, Charles C., New York, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Surgical package. 2,549,039, Apr. 17.
Adams, Charles C., New York, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Sterile suture tube package. 2,549,040, Apr. 17.
Adams-Millis Corporation, assignee : *See*—
Bell, Henry G.
Adamson, Frank M. : *See*—
Cadwell, Clarence J., and Adamson.
Addison, Thomas J., Kissimmee, Fla. Reel carrier. 2,549,152, Apr. 17.
Addressograph-Multigraph Corporation, assignee : *See*—
Hueber, Carl J.
Africano, Alfred, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Insulated trap for rocket projectiles. 2,548,926, Apr. 17.
Agriculture, United States of America as represented by the Secretary of, assignee : *See*—
Graham, Robert P., and Shepherd.
Agulnek, Harry : *See*—
Mishcon, Samuel, Agulnek, and Mishcon.
Air Preheater Corporation, The, assignee : *See*—
Eckersley, Charles E. H.
Yerrick, William D., and Holm.
Air Reduction Company, Incorporated, assignee : *See*—
Tyrner, Joseph M.
Aktiebolaget Elektrolux, assignee : *See*—
Von Platen, Baltzar C.
Alexanderson, Ernst F. W., Schenectady, B. D. Bedford, Scotia, and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Locomotive power system. 2,549,405, Apr. 17.
Allegro, Joseph A., assignee : *See*—
Richeson, Sanford E.
Allen, Frederick, Gosport, England, assignor to S. Hilliard, Saanichton, British Columbia, Canada. Cutters, sheers, or the like. 2,549,280, Apr. 17.
Allen, George T. : *See*—
Isrecell, Jack, and Allen.
Allied Chemical & Dye Corporation, assignee : *See*—
Angermueller, Herman P.
Congdon, William J., and Datin.
Crittenden, Eugene D.
Donegan, Joseph W.
Allis-Chalmers Manufacturing Company, assignee : *See*—
Harrer, Paul H.
Jacobi, Louis.
Sikorra, Daniel J., and Hotson.
Allison, Abraham, New York, N. Y. Pharmaceutical means for facilitating the making of suppositories or the like. 2,549,559, Apr. 17.
Allmänna Svenska Elektriska Aktiebolaget, assignee : *See*—
Lamm, Uno.
All-Over Manufacturing Co., assignee : *See*—
Meltzer, Henry E.
Aluminum Company of America, assignee : *See*—
Wall, James R.
American Anode Inc., assignee : *See*—
Hansen, Merrill E.
American Blower Corporation, assignee : *See*—
Kice, Murray S., Jr.
American Brake Shoe Company, assignee : *See*—
Wilson, Rosser L.
American Cyanamid Company, assignee : *See*—
Creely, Joseph W.
Creely, Joseph W., and Cooke.
American Machine & Foundry Company, assignee : *See*—
Dearsley, George.
American Seating Company, assignee : *See*—
Nordmark, Walter E.
American Sugar Refining Company, The, assignee : *See*—
Pomeroy, Theodore M., Jr., and Graves.
American Viscose Corporation, assignee : *See*—
Baker, Ralph B.
Bauer, Ernest K.
Amos, Francis M., Wheeling, W. Va. Ball-bearing mounting. 2,549,154, Apr. 17.
Anchor Chemical Company Limited, The, assignee : *See*—
Roberts, Kenneth C.
Anderson, Ann, assignee : *See*—
Anderson, Edgar V.
Anderson, Edgar V., Salt Lake City, Utah, assignor by decree of court to A. Anderson. Ball cock. 2,549,041, Apr. 17.
Anderson, Edward P., Rutherford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cleaning apparatus. 2,549,406, Apr. 17.
Anderson, Stanley T., Jamestown, N. Y. Drop-leaf supports for extension tables. 2,548,927, Apr. 17.
Angelone, Carmine J., Orange, N. J. Anchorage of toilet fixtures. 2,549,357, Apr. 17.
Angermueller, Herman P., Cranford, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Fume hood. 2,549,042, Apr. 17.
Apostolescu, Stefan, New York, N. Y. Helicopter rotor construction. 2,549,407, Apr. 17.
Archer-Daniels-Midland Company, assignee : *See*—
Condiff, Howard L.
Archer, Robert S., Raynham Center, Mass. Sheet stock support for shearing machines. 2,549,560, Apr. 17.
Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. Alkoxyalkyl esters of iodo-alkoxy substituted phenyl acetic acids. 2,548,852, Apr. 17.
Armour Research Foundation of Illinois Institute of Technology, assignee : *See*—
Kemp, Jay S.
Vagtborg, Harold A.
Zenner, Raymond E.
Armstrong, Norman F., and J. A. Tweddell, Newcastle-on-Tyne, assignors to The Crown Cork Company Limited, Southall, England. Article spacing means. 2,549,281, Apr. 17.
Arndt, John P., Oak Park, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Variable power transmission mechanism. 2,548,854, Apr. 17.
Arthur, John R., assignor to Lisle Corporation, Clarinda, Iowa. Glaze breaker. 2,549,043, Apr. 17.
Aschbrenner, Henry R., Westgate, Iowa. Carrying container. 2,549,282, Apr. 17.
Ash, Charles S., Milford, Mich. Vehicle wheel. 2,548,928, Apr. 17.
Ash, Charles S., Milford, Mich. Vehicle wheel. 2,548,929, Apr. 17.
Ash, Charles S., Milford, Mich. Barn. 2,549,155, Apr. 17.
Ashkenas, Irving L., Beverly Hills, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Controlling wing tip stall in airplanes. 2,549,045, Apr. 17.
Ashkenas, Irving L., Beverly Hills, and T. A. Feeney, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Roll control. 2,549,044, Apr. 17.
Ashton, George, Los Angeles, Calif. Continuous cooking apparatus. 2,549,283, Apr. 17.
Atchison, Thomas C., Princeton, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of normal magnesium carbonate. 2,549,408, Apr. 17.
Atkinson, Phillip S., Noroton, Conn., assignor to Standard Oil Development Company. Automatic change-over valve. 2,549,409, Apr. 17.
Atlantic Electronics Corporation, assignee : *See*—
Tawney, Gerald L.
Atlas Polar Company Limited, assignee : *See*—
Becker, John E.
Atlas Powder Company, assignee : *See*—
Sevold, Boyd J.
Attorney General of the United States, vested in the : *See*—
Salomon, François M. M. B.
Atwell, Henry G., Lake Villa, Ill. Ball pitching device. 2,549,156, Apr. 17.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Connector for wrist watches. 2,549,410, Apr. 17.
Auth, Charles G., Malba, and A. H. Schramm, Springfield, assignors to Auth Electrical Specialty Co., New York, N. Y. Audible signaling device. 2,549,157, Apr. 17.
Auth Electrical Specialty Co., assignee : *See*—
Auth, Charles G., and Schramm.
Auto Specialties Manufacturing Company, assignee : *See*—
Mueller, Joseph J.
Automatic Electric Laboratories, Inc., assignee : *See*—
Jones, Roy W.
Lomax, Clarence E.
Stehlik, Rudolph F.
Bacon, Leslie R., and D. B. Conklin, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting sap stain. 2,549,358, Apr. 17.

Bagnall, Joseph C., Jr., Attleboro, Mass., assignor to Swank, Inc. Cuff link with tilting head. 2,548,930, Apr. 17.

Baines, Richard H.: *See*—
Hibbert, Harold M., Holroyd, and Baines.

Bakanau, Frank E., Nutley, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Machine for sealing in miniature incandescent lamp bulb mounts. 2,549,359, Apr. 17.

Baker & Co., Inc., assignee: *See*—
Russell, Harry J.

Baker, Harold E., Danvers, and C. A. Young, Gloucester, assignors to Sylvania Electric Products Inc., Salem, Mass. Guide for electrode mounts. 2,549,046, Apr. 17.

Baker, Harry N., Portland, Oreg. Weather seal for exterior doors and windows. 2,549,284, Apr. 17.

Baker, John G., assignor to Baker Manufacturing Company, Evansville, Wis. Motion converting mechanism. 2,549,561, Apr. 17.

Baker, John G., assignor to Baker Manufacturing Company, Evansville, Wis. Power-driven operator. 2,549,562, Apr. 17.

Baker Manufacturing Company, assignee: *See*—
Baker, John G.

Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C.
Ragan, Thomas M.

Baker Perkins, Inc., assignee: *See*—
Sperling, Ezra F.

Baker, Ralph B., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Treating acrylonitrile copolymers with sulfuric acid followed by dyeing with acetate dyes. 2,548,853, Apr. 17.

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Underreamer. 2,548,931, Apr. 17.

Baldwin Company, The, assignee: *See*—
Knoblaugh, Armand F.

Ball, Joseph E., Roswell, N. Mex. Electrically heated table. 2,548,932, Apr. 17.

Barbeck, Peter, New York, assignor to Oxygen Arc Equipment Co. Inc., Brooklyn, N. Y. Welding and cutting torch. 2,549,360, Apr. 17.

Barber-Colman Company, assignee: *See*—
Lilja, Edgar D.

Bardons and Oliver, Inc., assignee: *See*—
Kylin, Oskar, and H. O.

Barker Poultry Equipment Co., assignee: *See*—
Drews, Harry E.

Barnett, Henry W.: *See*—
Brackenbury, William L., and Barnett.

Barnett, Victor, Evansville, Ind. Water faucet. 2,548,933, Apr. 17.

Barnstead, Sidney O., Saco, Maine. Manufacture of molded articles. 2,549,563, Apr. 17.

Bartelink, Everhard H. B., Bronxville, N. Y., assignor to General Electric Company. Phase shifting apparatus. 2,548,855, Apr. 17.

Basson's Picture Framing Co., Inc., assignee: *See*—
Weinberg, Sidney H., Jr.

"Bata, Narodni podnik," assignee: *See*—
Fiala, Jaroslav, and Ždichynec.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for marking strands. 2,548,856, Apr. 17.

Beaird, J. B., Company, Inc., assignee: *See*—
Beaird, James P.

Beaird, James P., assignor to J. B. Beaird Company, Inc., Shreveport, La. Closure device. 2,548,934, Apr. 17.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft replenishing looms. 2,549,285, Apr. 17.

Becker, John E., Darlington, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Fluid circulation control for fluid couplings. 2,548,857, Apr. 17.

Bedford, Burnice D.: *See*—
Alexanderson, Ernst F. W., Bedford, and Mittag.

Belisle, Adelard J., assignor to The Berkline Corporation, Springfield, Mass. Locking device for rocking chairs. 2,549,286, Apr. 17.

Bell, Henderson M., III, Cleveland Heights, and E. W. Schweikher, Chagrin Falls, Ohio. Electrolytic stripping of nickel coatings from ferrous metals. 2,549,411, Apr. 17.

Bell, Henry G., assignor to Adams-Millis Corporation, High Point, N. C. Finishing nylon fabrics articles. 2,549,564, Apr. 17.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Carbrey, Robert L.
Depp, Wallace A.
Dietzold, Robert L.
Hartley, Ralph V. L.
Hopkins, Harris F.
Messana, Joseph P.
Mohr, Milton E.
Rideout, Vincent C.
Tinus, William C.
Wallace, Robert L., Jr.
Walsh, Edward J.

Bendix Aviation Corporation, assignee: *See*—
Anderson, Edward P.
Cosby, James R.
Marmont, George H., and Rice.
Purdy, Rolland M.
Spengler, Walter J.
Uline, William A., and Rowell.

Benedict, Marcus C., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,548,858, Apr. 17.

Benner, Roland G., Carneys Point, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fluorinating organic compounds with molten silver fluorides. 2,549,565, Apr. 17.

Bentley, Edward P., Roslyn Heights, and G. P. Bentley, Garden City, assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y. Optical micrometer gauge. 2,549,566, Apr. 17.

Bentley, George P.: *See*—
Bentley, Edward P. and G. P.

Benton, John E., near Gordo, and D. W. Haynie, East Tallassee, Ala. Stopping means for looms. 2,549,047, Apr. 17.

Berdach, Ernest, New York, N. Y. Undergarment. 2,549,361, Apr. 17.

Bergman, Leo O., Coloma, Mich. Folding boat. 2,549,412, Apr. 17.

Bergstein, Frank D., Cincinnati, Ohio. Liquidtight carton and method. 2,549,048, Apr. 17.

Berkline Corporation, The, assignee: *See*—
Belisle, Adelard J.

Berman, Samuel, assignor to Waugh Equipment Company, New York, N. Y. Magnetic-type object detector. 2,549,567, Apr. 17.

Berry, Clifford E., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,548,859, Apr. 17.

Berry, Glenn, assignee: *See*—
Svendsen, Sidney O.

Bertele, Ludwig, Heerbrugg, Switzerland. Wide-angle eyepiece lens system. 2,549,158, Apr. 17.

Bertele, Ludwig, assignor to Henry Wild Surveying Instruments Supply Co. Ltd., Heerbrugg, Switzerland. Highly corrected photographic objective having four axially air spaced components. 2,549,159, Apr. 17.

Bess, James V., Leavenworth, Wash. Small tool sterilizer. 2,549,160, Apr. 17.

Bessière, Pierre E., Paris, and L. E. Ponsy, Clichy, assignors to Society "Silto," S. A., Paris, France. Heating device of the hot-air type. 2,549,362, Apr. 17.

Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M., Morrill, and Selter.
Morrill, Elliott, Selter, and Gooding.
Selter, Eugene D., Gooding, and Morrill.

Bierman, Howard R., San Francisco, Calif. Diaphragm type blood pressure gauge. 2,549,049, Apr. 17.

Biermann, William A., and L. V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation. Multiburner fuel control device. 2,549,413, Apr. 17.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Molding joints between spaced structural members. 2,548,935, Apr. 17.

Bishop, John P., Birmingham, Ala. Cake moistener. 2,549,161, Apr. 17.

Blacker, Latham V. S., Fittleworth, England. Recoil operated firearm. 2,549,162, Apr. 17.

Blenkinsop, Ward, & Company Limited, assignee: *See*—
Pritchard, Gordon J.

Blick, Frank, Westminster, assignor to Ozalid Company Limited, London, England. Photocopying machine. 2,548,936, Apr. 17.

Blickman, Bernard L., New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J. Filter. 2,549,363, Apr. 17.

Blickman, S., Inc., assignee: *See*—
Blickman, Bernard L.

Blondelle, Abel L. C., Paris, assignor to Enterprises Metropolitaines et Coloniales, Paris, Seine, France. Hauling machine. 2,549,163, Apr. 17.

Blythe, Louis H., Evansville, Ind. Display device. 2,549,658, Apr. 17.

Bobst, Henri, Lausanne, Switzerland. Sheet feeding machine. 2,549,364, Apr. 17.

Bodmer, Ernest, Grand-Lancy-Geneva, assignor to Tarex S. A., Geneva, Switzerland. Automatic screw-cutting lathe. 2,548,937, Apr. 17.

Bolding, Hubert V., Jeffersonville, Ind., assignor to The Bradley & Gilbert Company, Louisville, Ky. Dispensing display carton. 2,549,568, Apr. 17.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion process with the use of a grainy silica-alumina type catalyst. 2,548,860, Apr. 17.

Bonnell, William L., assignor to Trimedge, Incorporated, Youngstown, Ohio. Skirting molding for table tops. 2,549,414, Apr. 17.

Bonnell, William L., assignor to Trimedge, Incorporated, Youngstown, Ohio. Sink frame and mounting therefor. 2,549,415, Apr. 17.

Booth, Jack J., and F. N. James, Dallas, Tex.; said James assignor to said Booth. Beverage mixing and dispensing apparatus. 2,548,938, Apr. 17.

Borge, Johan, Bellport, N. Y. Fireplace with air-heating tubes therein. 2,549,365, Apr. 17.

Bosco, Samuel D., Wood River, Ill. Attaching decorative panels to wall surfaces. 2,549,164, Apr. 17.

Bostick, Winston H., West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse transformer with magnetron well. 2,549,366, Apr. 17.

Bowlware, John C.: *See*—
McAlpine, George B., and Bowlware.

Bowser, Inc., assignee: *See*—
De Haven, La Vern H.

Brackenbury, William L., and H. W. Barnett, San Diego, Calif. Spark gap setting device. 2,549,165, Apr. 17.

Bradley & Gilbert Company, The, assignee: *See*—
Bolding, Hubert V.

Bradley, Stephen D., assignor to Detroit Macoid Corporation, Detroit, Mich. Temperature control device. 2,549,569, Apr. 17.

Brandt, Gideon, Kramer, N. Dak. Rear fender guard for pickup trucks. 2,549,166, Apr. 17.

Brandt, Kristian H., Red Bank, N. J. Capacitor. 2,548,862, Apr. 17.

Brassert, H. A., & Company, assignee: *See*—
De Jahn, Fredrik W.

Brendel, Leon, St. Helena, Calif. Bearing construction. 2,549,659, Apr. 17.

Brennan, William R., Phoenix, Ariz. Tapeline anchor. 2,549,287, Apr. 17.

Brennecke, Cornelius G.: *See*—
Gallagher, Robert T., Brennecke, and Currie.

Bridges, John H., New York, N. Y., assignor to National Inventions Corporation. Lighting system and apparatus. 2,549,288, Apr. 17.

Brion, Benjamin W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,548,939, Apr. 17.

Bristol Laboratories, Inc., assignee: *See*—
Friden, John H.

Brockhouse, J., & Company, Limited, assignee: *See*—
Dear, Alexander T. C.

Brogren, Erik R.: *See*—
Parsons, John T., and Brogren.

Brooks, Richard E.: *See*—
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.

Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alcohols. 2,549,416, Apr. 17.

Brophy, John J., Salem, B. M. Pineles, and R. C. Putnam, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rust preventive film. 2,549,050, Apr. 17.

Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Drive unit for automatic washing machines. 2,548,940, Apr. 17.

Brown, Alexander M., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slide fastener end stopping. 2,549,051, Apr. 17.

Brown-Brockmeyer Co., The, assignee: *See*—
Trant, James L.

Brown, Dan A., Long Beach, Calif., assignor, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Actuator for thermally responsive control devices. 2,548,941, Apr. 17.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Syringe ampoule. 2,549,417, Apr. 17.

Brown, Kenneth M., Hinsdale, and W. W. Johnstone, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbon oils. 2,549,052, Apr. 17.

Brown, Kenneth M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,549,053, Apr. 17.

Brown, Leo H., Glenville, Conn. Bore sight. 2,548,861, Apr. 17.

Brown, Raymond L., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Air filter. 2,548,942, Apr. 17.

Brubaker, Henry J., Joliet, Ill. Light controlling means. 2,549,167, Apr. 17.

Bruce, William F., Havertown, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamides. 2,548,863, Apr. 17.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Indexing mechanism for bottle dispensing machines. 2,549,168, Apr. 17.

Bruner, Walter M.: *See*—
Gresham, William F., Brooks, and Bruner.

Bruning, Charles, Company, Inc., assignee: *See*—
Arndt, John P.

Brunsviga Maschinenwerke Aktiengesellschaft, assignee: *See*—
Neumann-Lezius, Hans, and Wilberg.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Orthodontic appliance. 2,548,864, Apr. 17.

Bryan, Carroll W., assignor of one-half to S. A. Wier, Dallas, Tex. Surface conditioning tool. 2,549,570, Apr. 17.

Bryant Chucking Grinder Company, assignee: *See*—
Demuth, Galan W.

Bryant, Robert M., Baltimore, Md. Calendar. 2,549,418, Apr. 17.

Buckeye Cotton Oil Company, assignee: *See*—
Rowe, Stewart.

Buckingham, William D.: *See*—
Seabury, Donald S., Buckingham, and Delbert.

Buhl, Helen A., and W. E. Buhl, Jr., assignors of one-third to C. B. Spangenberg, Chicago, Ill. Child's glove. 2,549,660, Apr. 17.

Buhl, William E., Jr.: *See*—
Buhl, Helen A. and W. E.

Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air control instrument. 2,548,943, Apr. 17.

Burgess-Manning Company, assignee: *See*—
Chipley, Alfred S.

Burks, J. A., assignee: *See*—
Hooks, Nall T.

Burling, Herbert S., South Orange, N. J. Differential temperature control switch. 2,549,054, Apr. 17.

Burt, Leland H., Philadelphia, Pa., assignor to Hercules Powder Company, Wilmington, Del. Frozen confections. 2,548,865, Apr. 17.

Burton, James R., Jr., Jasper, Ala. Golf bag club holding means. 2,549,055, Apr. 17.

Busch, Jacob: *See*—
Klonowski, Edmund J., and Busch.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Mechanism for automatically operating a picture slide changer of the manual type. 2,549,289, Apr. 17.

Cadwell Corporation, The, assignee: *See*—
Cadwell, Clarence J., and Adamson.

Caldwell, William A., Leesburg, Tex. Air valve, relief valve, and pressure signal for pneumatic tires. 2,549,571, Apr. 17.

California Research Corporation, assignee: *See*—
Denison, George H., Jr., and Goldschmidt.

Callahan, John X. J., Wilkes-Barre, Pa. Multiplex laminated poster. 2,549,419, Apr. 17.

Camilli, Guglielmo: *See*—
Clark, Frank M., and Camilli.

Camp, John M., Tulsa, Okla., assignor to Standard Oil Development Company. Coring and crushing bit. 2,549,420, Apr. 17.

Campanelli, Anthony M., New York, N. Y. Step-on can with dustpan. 2,549,572, Apr. 17.

Canfield, William B.: *See*—
Hessel, Frederick A., and Canfield.

Canfora, Arthur E.: *See*—
Shenk, Eugene R., and Canfora.

Caplan, Helen H., assignee: *See*—
Hopp, Philip, and L.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder for multiple carrier pulse code modulation signals. 2,549,422, Apr. 17.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Reduction of selevtive fading distortion. 2,549,423, Apr. 17.

Carlson, Wendell L., and R. L. Harvey, Princeton, N. J., assignors to Radio Corporation of America. Filter element useful in radio circuits. 2,549,424, Apr. 17.

Carney, Harold R., Houston, Tex. Storm protection window brace. 2,549,661, Apr. 17.

Carpenter, George S., Hampton, Va. Collapsible windshield umbrella. 2,549,662, Apr. 17.

Carrington, Ulrich S., Burbank, Calif. Portable refrigerator with removable unit. 2,549,421, Apr. 17.

Carroll, Robert G., assignee: *See*—
Cox, Gerald C.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic expansion valve. 2,548,866, Apr. 17.

Casco Products Corporation, assignee: *See*—
Wuischpard, Lucien C.

Case, J. I., Company, assignee: *See*—
White, Carl E.

Cashman, Edward P., Bayonne, N. J., and E. Lieber, Chicago, Ill., assignors to Standard Oil Development Company. Condensation of alkylated naphthalene with a sulfur oxyhalide in presence of Friedel-Crafts catalyst and mineral oil compositions containing same. 2,549,425, Apr. 17.

Celanese Corporation of America, assignee: *See*—
Greenwood, Ernest L., Hughes, and Morledge-Hadfield.
Hibbert, Harold M., Holroyd, and Baines.

Chain Belt Company, assignee: *See*—
Conley, Weld E., Jr.

Chamberlain, Jay B., assignee: *See*—
Kuhl, George H.

Chamberlain, Louise R., assignee: *See*—
Kuhl, George H.

Chapin, Jack R.: *See*—
Orey, Millard, and Chapin.

Chapman, Bert J., Marysville, Calif. Bumper jack attachment unit. 2,548,944, Apr. 17.

Chemical Foundation, Incorporated, The, assignee: *See*—
Hixson, Arthur W., and Miller.

Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of N,N'-di-secondary-butyl p-phenylene diamine. 2,549,056, Apr. 17.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating metals. 2,548,867, Apr. 17.

Chilman, William A.: *See*—
Sweet, Harold C., and Chilman.

Chinnici, Michael, Brooklyn, assignor to Peerless Sewing Machine Company, Inc., New York, N. Y. Sewing machine. 2,549,057, Apr. 17.

Chipley, Alfred S., Mundelein, assignor to Burgess-Manning Company, Libertyville, Ill. Blower with combined air cleaner. 2,548,945, Apr. 17.

Christenot, Harley R., Cut Bank, Mont. Self-adjusting hydraulic brake cylinder. 2,548,868, Apr. 17.

Christensen, Norman V., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,548,809, Apr. 17.

Christy, Anker L., Kenilworth, assignor to The Pure Oil Company, Chicago, Ill. Blending apparatus. 2,549,169, Apr. 17.

Chromium Mining and Smelting Corporation, Ltd. assignee: *See*—
Timmins, Leo H.

Chu, Lan J.: *See*—
Straus, Henry A., Getting, and Chu.

Cincinnati Butchers' Supply Corporation, The, assignee: *See*—
Zaenkert, Frederick A.

Clark, Charles W., Westmount, Quebec, assignor, by mesne assignments, to Noranda Mines Limited, Toronto, Ontario, Canada. Recovering from pyrite the valuable constituents thereof. 2,549,367, Apr. 17.

Clark, Frank M., Schenectady, N. Y., and G. Camilli, Pittsfield, Mass., assignors to General Electric Company. Electric transformer. 2,549,426, Apr. 17.

Clark, Stanley P., Windsor, Conn., assignor to Emhart Manufacturing Company. Glassware spotter for stackers. 2,549,663, Apr. 17.

Clark, Vivian E., Forest Grove, Oreg. Gaff. 2,549,573, Apr. 17.

Clark, William R.: *See*—
Stein, Irving M., Williams, and Clark.

Clarke, Eileen M., Brooklyn, N. Y. Utility device for cooking receptacles. 2,549,170, Apr. 17.

Clarkson, Alick, Itasca, assignor of one-half to Vapor Heating Corporation, Chicago, Ill. Gas burner assembly. 2,549,427, Apr. 17.

Clauser, Herbert C. and R. S. Long, assignors to The Kilgore Manufacturing Company, Westerville, Ohio. Pyrotechnic device. 2,548,946, Apr. 17.

Clayton, William L., Harmony, Pa. Bearing cooling device. 2,549,171, Apr. 17.

Cleveland Automatic Machine Co., assignee: *See*—
Jelinek, Alfred F.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pressure measuring device. 2,548,947, Apr. 17.

Cline, Elmer F., Skippers, Va. Cable guard for winch assemblies. 2,549,172, Apr. 17.

Cogan, Howard C., assignor to National Electric Welding Machines Company, Bay City, Mich. Seam welding of cylindrical articles. 2,549,173, Apr. 17.

Colburn, William and E. J. Latos, Chicago, Ill., assignors to Grant Advertising Agency, Inc., Dallas, Tex. Apparatus for treating articles. 2,548,948, Apr. 17.

Colcalre, Oscar, assignee: *See*—
Robbalti, Giordano.

Coles, James W., Santa Ana, Calif. Automobile closure structure. 2,548,950, Apr. 17.

Collender, Gustave A., assignor to Six Wheels, Inc., Los Angeles, Calif. Power transmission for dual wheel units of vehicles. 2,548,949, Apr. 17.

Collins, Douglas, Salisbury, N. C. Elevating mechanism and brake control for refrigerator shelf frames. 2,549,664, Apr. 17.

Colterjohn, Walter L., Jr., Oak Park, Ill. Point projection ion microscope. 2,548,870, Apr. 17.

Columbus Metal Products, Inc., assignee: *See*—
Donley, Harold B.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Jackson, George P.
Skelly, John S.

Commander Mfg. Co., assignee: *See*—
Kuhl, George H.

Condiff, Howard L., St. Paul, assignor to Archer-Daniels-Midland Company, Minneapolis, Minn. Apparatus for making fluorophotometric measurements. 2,549,574, Apr. 17.

Congdon, William J., Hopewell, and R. C. Datin, Petersburg, Va., assignors to Allied Chemical and Dye Corporation, New York, N. Y. Purification of crude synthetic methanol. 2,549,290, Apr. 17.

Conklin, Dwight B.: *See*—
Bacon, Leslie R., and Conklin.

Conley, Weld E., Jr., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for the continuous treatment of liquiform comestibles. 2,549,575, Apr. 17.

Conn, C. G., Ltd., assignee: *See*—
Flandt, Ronald M.
Wiesner, Harold J.

Conrad, John F., Ebensburg, Pa. Electric cable connector of the clamping type. 2,549,665, Apr. 17.

Consolidated Engineering Corporation, assignee: *See*—
Berry, Clifford E.

Constable, James M., Ozone Park, N. Y. Portable radiation detector. 2,549,058, Apr. 17.

Cook, Leland E.: *See*—
Hansen, Oswald A., and Cook.

Cooke, Theodore F.: *See*—
Creely, Joseph W., and Cooke.

Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Pentachlorothiolane and producing the same. 2,549,576, Apr. 17.

Cope, Frank T. and K. U. Wirtz, assignors to The Electric Furnace Company, Salem, Ohio. Strip threading apparatus. 2,549,666, Apr. 17.

Cosby, James R., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Trigger circuit. 2,549,667, Apr. 17.

Costea, Louis, Brea, Calif. Inflatable jet-propelled elastic toy. 2,549,428, Apr. 17.

Coward, Richard W., Birmingham, Ala., assignor to Fly Ash Arrestor Corporation. Water-cooled shaft. 2,549,174, Apr. 17.

Cowles, Raymond H., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Clamp frame press. 2,549,429, Apr. 17.

Cox, Gerald C., assignor of twenty-five per cent to R. G. Carroll and twenty-five per cent to R. A. Spika, La Crosse, Wis. Wheeled figure toy. 2,549,668, Apr. 17.

Coyle, William J., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Two-piece electrical connector. 2,549,577, Apr. 17.

Cozzo, Giuseppe, assignor to Hydropress, Incorporated, New York, N. Y. Rolling mill adjusting apparatus. 2,549,291, Apr. 17.

Crabbs, Herbert J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulator. 2,549,292, Apr. 17.

Crane Co., assignee: *See*—
Hjulian, Julius A.

Crane, Ernest E., Chicago, Ill. Sprocket chain. 2,548,951, Apr. 17.

Crane Packing Company, assignee: *See*—
Miller, Robert F.

Cranmer, Richard S., Wyncote, Pa. Bore sight. 2,548,871, Apr. 17.

Creely, Joseph W., East Bound Brook, and T. F. Cooke, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Treating fibrous cellulosic materials to impart flame resistance thereto, composition therefor, and products thereof. 2,549,059, Apr. 17.

Creely, Joseph W., East Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Treating fibrous cellulosic materials to impart flame resistance thereto, composition therefor, and products thereof. 2,549,060, Apr. 17.

Crittenden, Eugene D., Petersburg, Va., assignor to Allied Chemical & Dye Corporation. Reducing corrosion and composition of reduced corrosiveness. 2,549,430, Apr. 17.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.

Crosa, Giacomo and L., Genoa-Bolzaneto, Italy. Retractable worktable. 2,549,431, Apr. 17.

Crosa, Luigi: *See*—
Crosa, Giacomo and L.

Cross, Bert S., St. Paul, and G. P. Netherly, Afton Township, Washington County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fixing particles to sheet material. 2,548,872, Apr. 17.

Cross, Fred H., Lansing, assignor by decree of Court to Otto C. Hartig, Holt, Mich. Vaporizing type liquid fuel burner. 2,549,175, Apr. 17.

Crossland, Alfred, West Newton, Pa. Coal mining and conveying machine. 2,548,952, Apr. 17.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Electric blanket control. 2,549,432, Apr. 17.

Crown Cork Company Limited, The, assignee: *See*—
Armstrong, Norman F., and Tweddell.

Crown, William H., Leytonstone, London, and H. R. Whitfield, Ilford, assignors to Henry Hughes & Son Limited, Barkingside, England. Electric pulse generating circuit. 2,548,953, Apr. 17.

Crumrine, Kenneth C., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Detection of scattered neutrons. 2,549,176, Apr. 17.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Culbertson, Glenn B., Dayton, Ohio. Fluid coupling. 2,548,873, Apr. 17.

Cummings, Linn F.: *See*—
Neal, Robert A., and Cummings.

Cuny, Bernard E. A. M., Paris, France. Optical instrument for testing plane surfaces and rectilinear lines. 2,549,669, Apr. 17.

Currie, Robert D.: *See*—
Gallagher, Robert T., Brennecke, and Currie.

Curry, John G., Minneapolis, assignor of one-third to R. W. Curry, St. Paul, and one-third to J. J. Weichselbaum, Lakeville, Minn. Cleansing tissue compact. 2,549,433, Apr. 17.

Curry, Robert W., assignee: *See*—
Curry, John G.

Curtis, Leslie F., Haydenville, Mass., assignor to Hazeltine Research, Inc., Chicago, Ill. Magnetostrictive converter time delay device. 2,549,578, Apr. 17.

Dalton, Robert L., Irondequoit, assignor to Graflex, Inc., Rochester, N. Y. Camera back. 2,549,670, Apr. 17.

Dana, Homer J., assignor to State College of Washington Research Foundation, Pullman, Wash. Precipitation static control for airplanes. 2,549,671, Apr. 17.

Darwin, Daniel P., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Retaining device. 2,548,874, Apr. 17.

Datin, Richard C.: *See*—
Congdon, William J., and Datin.

Dauenhauer, Florian F., Santa Rosa, Calif. Machine for shaping wire strands for screens. 2,549,061, Apr. 17.

Davidson, Paul B., Wilkinsburg, Pa., assignor to Strathmore Paper Company, Springfield, Mass. Sized paper, composition therefor, and making same. 2,549,177, Apr. 17.

Davis, Allan C., Baltimore, Md. Bottle crate shaker and cleaner. 2,549,062, Apr. 17.

Davis, Edwin S.: *See*—
Harris, Herschel G., and Davis.

Davis, Ernest W., River Forest, Ill., assignor to Oil-Rite Corporation, Milwaukee, Wis. Oiling device. 2,549,744, Apr. 17.

Davis & Geck, Inc., assignee: *See*—
Adams, Charles C.

Davis, Wilfred O., assignor to S. Smith & Sons (England) Limited, London, England. Mounting instruments. 2,548,954, Apr. 17.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Wolfe, H. Hix.

Dear, Alexander T. C., assignor to J. Brockhouse & Company Limited, West Bromwich, England. Ball-and-socket coupling. 2,549,178, Apr. 17.

Dearsley, George, Scarsdale, N. Y., assignor to American Machine & Foundry Company. Paster for cigarette making machines. 2,549,579, Apr. 17.

Debouttevile, Marcel D., Neuilly-sur-Seine, France. Device for the manufacture of artificial fibers. 2,549,179, Apr. 17.

Deere Manufacturing Co., assignee: *See*—
Gustin, William E.
Rich, Barrett G.

Degnen, William J., Westfield, and L. R. Hill, Ridgewood, assignors to The M. W. Kellogg Company, Jersey City, N. J. Contacting gases and solids. 2,548,875, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,434, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,435, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,436, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,437, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,438, Apr. 17.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,549,439, Apr. 17.

De Haven, La Vern H., assignor to Bowser, Inc., Fort Wayne, Ind. Liquid separation method and apparatus. 2,549,063, Apr. 17.

Delbert, Clarence R.: *See*—
Seabury, Donald S., Buckingham, and Delbert.

De Jahn, Fredrik W., assignor to H. A. Brassert & Company, New York, N. Y. Reduction furnace. 2,548,876, Apr. 17.

De la Fuente Tejedo, Juan, Madrid, Spain. Sheet feeding and positioning mechanism. 2,549,293, Apr. 17.

Delamere Company, Inc., assignee: *See*—
Frishberg, Samuel.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cabin pressure control. 2,549,672, Apr. 17.

Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pressure control system for aircraft cabins. 2,549,673, Apr. 17.

De Marco, Edward A., New Brunswick, N. J. Apparatus for forming buttonholes. 2,549,294, Apr. 17.

De Ment, Jack, Portland, Oreg. Dental cement. 2,549,180, Apr. 17.

Deming Company, The, assignee: *See*—
McBean, Robert H.

Demuth, Galan W., Moorestown, N. J., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Exciter system for thyratron power inverters and the like. 2,548,955, Apr. 17.

Denham, John J., Orinda, assignor to Shand and Jurs Company, Berkeley, Calif. Automatic flow control apparatus. 2,549,674, Apr. 17.

Denison, George H., Jr., Berkeley, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Acyclic polyfluorinated olefins and their preparation. 2,549,580, Apr. 17.

Dentist's Supply Company of New York, The, assignee: *See*—
Saffir, Jacob A.

Depp, Wallace A., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multi-switching gaseous discharge device. 2,549,064, Apr. 17.

Deran Confectionery Co., Inc., assignee: *See*—
Hintlian, Vahan S.

Derby, Lloyd A., Adrian, Mich., assignor to Niles Langdon, Toledo, Ohio. Fishing rod. 2,549,295, Apr. 17.

Desso, Rufus D., Somers, Conn. Tire chain hook. 2,549,675, Apr. 17.

Detrick, M. H., Company, assignee: *See*—
Pollen, Charles F.

Detroit Harvester Company, assignee: *See*—
Hale, Clifford E.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.
Dillman, Earnest J.

Detroit Macoid Corporation, assignee: *See*—
Bradley, Stephen D.

Dickson, Ross G., Mexico City, Mexico. Artificial molar teeth. 2,548,956, Apr. 17.

Dictograph Products Company, Inc., assignee: *See*—
Strommen, Einar A.

Dieterich, Frederick A.: *See*—
Weinacker, Hermann, and Dieterich.

Dietzold, Robert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency discriminative electric transducer. 2,549,065, Apr. 17.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Automatically operable snap-acting switch. 2,548,877, Apr. 17.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic valve having sealing diaphragm and supporting means therefor. 2,548,878, Apr. 17.

Dilts, Lee E., South Euclid, Ohio, assignor to General Electric Company. Leading-in wire detecting apparatus. 2,549,296, Apr. 17.

Di Rosa, Stephen P., New York, N. Y. Valved coupling. 2,548,957, Apr. 17.

Di Rosa, Stephen P., New York, and R. R. Schur, East Rockaway, N. Y. Toaster. 2,548,958, Apr. 17.

Dixon, Lewis W., Riverton, N. J., assignor to Radio Corporation of America. Test phonograph record. 2,549,066, Apr. 17.

Dobana, Fred K., New York, N. Y. Shoulder shaped dress and suit hanger. 2,549,297, Apr. 17.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Wire reinforced window channel. 2,549,581, Apr. 17.

Dole, James, Engineering Co., assignee: *See*—
Martin, William McK.

Dominion Tar & Chemical Company Limited, assignee: *See*—
Kemp, Woodrow E.

Donegan, Joseph W., New Brunswick, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of activated carbon. 2,549,298, Apr. 17.

Donley, Harold B., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Downdraft pilot for vaporizing oil burners. 2,549,067, Apr. 17.

Donley, Harold B., assignor to Columbus Metal Products, Inc., Columbus, Ohio. Pilot structure. 2,549,068, Apr. 17.

Donofrio, Alfonso M., assignor to McKay-Davis Chemical Corporation, Toledo, Ohio. Protective package for pills, tablets, and the like. 2,549,069, Apr. 17.

Douglas Aircraft Company, Inc., assignee: *See*—
Del Mar, Bruce E.
Klemperer, Wolfgang B.

Dow Chemical Company, The, assignee: *See*—
Ryden, Laurence L.

Drews, Harry E., Arlington, Va., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Apparatus for scalding poultry. 2,549,070, Apr. 17.

Druck, Maurice, Long Beach, N. Y. Curtain. 2,548,879, Apr. 17.

Drury, John W., Detroit, Mich. Coin package filler. 2,549,299, Apr. 17.

Dunn, Earl C., G. L. Lowman, and H. B. Lockhart, Corpus Christi, Tex. Communication system for drive-in establishments. 2,549,676, Apr. 17.

Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Opening means for regular cartons. 2,549,582, Apr. 17.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Brooks, Richard E.
Fassnacht, Hartwell H., and Woodbury.
Gresham, William F.
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.
Gresham, William F., and Schweitzer.
Howk, Benjamin W., and Hager.
Lee, Donald D.
McLaren, Arthur D.
Prichard, William.
Sullivan, Roy W.

Durham, Luther, Aurora, Ill. Cleaning apparatus. 2,549,181, Apr. 17.

Duriron Company, Inc., The, assignee: *See*—
Jack, Delbert E., and Williamson.

Dusek, Joseph F., Long Island City, and R. J. Fallert, assignors to Lawton Products Company, Inc., New York, N. Y. Space reservation system. 2,549,071, Apr. 17.

Eckersley, Charles E. H., Newlands, Glasgow, Scotland, assignor to The Air Preheater Corporation, New York, N. Y. Regenerative heat exchanging apparatus. 2,549,583, Apr. 17.

Edison, Thomas A., Incorporated, assignee: *See*—
Gardenier, Clyde B.

Egerton, Clinton F., New York, N. Y. Rotary washing machine. 2,549,677, Apr. 17.

Eisenberg, Robert, and H. Feuer, Chicago, Ill. Safety razor guard. 2,548,959, Apr. 17.

Ekenstam, Edward D., Los Angeles, assignor of one-half to Southwest Paving Company, Los Angeles County, Calif. Road roller. 2,549,182, Apr. 17.

Ekenstam, Edward D., Los Angeles, Calif. Ditch digging machine. 2,549,183, Apr. 17.

Ekstrom, Robert E., assignor to Elematic Equipment Corporation, Chicago, Ill. Liquid level gauge. 2,548,960, Apr. 17.

Electric Controller & Manufacturing Company, The, assignee: *See*—
Griffes, Milton W., and Rathbun.
White, Paul G.

Electric Furnace Company, The, assignee: *See*—
Cope, Frank T., and Wirts.

Electric Service Manufacturing Co., assignee: *See*—
Shaback, Andrew J.

Electric Storage Battery Company, The, assignee: *See*—
Miley, Albert M., and White.

Electrolux Corporation, assignee: *See*—
Brown, Raymond L.

Elematic Equipment Corporation, assignee: *See*—
Ekstrom, Robert E.

Elliot, Van Cortlandt, Garden City, N. Y. Dental impression tray. 2,549,184, Apr. 17.

Eller, Harry E., Chicago, Ill. Motion-picture projection screen stand. 2,549,584, Apr. 17.

Ellingson, La Verne O., assignor to Lowell and Grayson Manufacturing Company, Monrovia, Calif. Whistling cap for gas appliances. 2,549,300, Apr. 17.

Ellis-Foster Company, assignee: *See*—
Hessel, Frederick A., and Canfield.

Emhart Manufacturing Company, assignee: *See*—
Clark, Stanley P.

English Electric Company Limited, The, assignee: *See*—
Seewer, Paul W.

Enriquez, Henry, Los Angeles, Calif. Folding seat. 2,549,368, Apr. 17.

Enterprises Metropolitaines et Coloniales, assignee: *See*—
Blondelle, Abel L. C.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Recording apparatus for radar systems. 2,549,072, Apr. 17.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Multiple television projector. 2,549,585, Apr. 17.

Epstein, Raphael, Bronx, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band display device. 2,549,369, Apr. 17.

Ernst, Earl A., Bakersfield, Calif. Loading device. 2,549,370, Apr. 17.

Erro, Ernesto C., Habana, Cuba. Combination dish. 2,549,440, Apr. 17.

Esaness Patents, assignee: *See*—
Shannon, Lon.

Evans, Theodore W., Oakland, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrocarbons with keto esters. 2,549,586, Apr. 17.

Fabric Research Laboratories, Inc., assignee: *See*—
Kaswell, Ernest R.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Moore, David W., Jr.
Moore, David W., Jr., and Nash.

Fallert, Robert J.: *See*—
Dusek, Joseph F., and Fallert.

Falls Spring & Wire Company, assignee: *See*—
Shaner, Anthony, and Hampson.

Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Control for automatic transmissions. 2,549,073, Apr. 17.

Fassnacht, Hartwell H., Wenonah, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing cyclonite-containing explosive. 2,548,880, Apr. 17.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electric switch operator. 2,549,441, Apr. 17.

Feeney, Thomas A.: *See*—
Ashkenas, Irving L., and Feeney.

Fellows Gear Shaper Company, The, assignee: *See*—
Miller, Edward W.

Fereday, Frederick T., Sr., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Electrical relay. 2,549,371, Apr. 17.

Ferfort, Jacob, Audubon, N. J. Awning. 2,549,302, Apr. 17.

Ferrell, Alton J., Houston, and P. J. McEnroe, Jr., Victoria, Tex. Articulated grain car door. 2,549,301, Apr. 17.

Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency attenuating apparatus. 2,548,881, Apr. 17.

Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Extractive fractionation process. 2,549,372, Apr. 17.

Feuer, Harry: *See*—
Eisenberg, Robert, and Feuer.

Fiala, Jaroslav, Batisovce, and T. Ždichynec, assignors to "Bata, Narodni podnik," Zlin, Czechoslovakia. Concentration of acetic acid. 2,549,587, Apr. 17.

Fiandt, Ronald M., assignor to C. G. Conn, Ltd., Elkhart, Ind. Method of and apparatus for electroforming metal articles. 2,549,678, Apr. 17.

Fillenbaum, Frank, New York, N. Y. Clothes hanger. 2,549,588, Apr. 17.

Fischer, Herbert C., Wellesley Hills, and A. H. W. Higgins, Boston, Mass. Structural element. 2,549,442, Apr. 17.

Fishbein, Meyer, Los Angeles, and L. J. Stevenson, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Artificial hand with worm and gear drive to thumb. 2,549,074, Apr. 17.

Fiske, Milan D., Burnt Hills, N. Y., assignor to General Electric Company. Ultra high frequency coupling and measuring device. 2,549,443, Apr. 17.

Fitch, Frederick B., Detroit, Mich. Bean harvester. 2,549,185, Apr. 17.

Flakice Corporation, assignee: *See*—
Leeson, Meldon G.

Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Total taking means for calculating machines. 2,549,186, Apr. 17.

Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Paper aligner for recording machines. 2,549,187, Apr. 17.

Fly Ash Arrestor Corporation, assignee: *See*—
Coward, Richard W.

Flynn, Alfred A., Cleveland Heights, assignor to Mueller Electric Company, Cleveland, Ohio. Electrical connecting clip. 2,549,589, Apr. 17.

Foote, Delevan M., Muskegon, Mich. Canvas seat. 2,549,679, Apr. 17.

Ford Motor Company, assignee: *See*—
Farkas, Eugene J.
Kramer, Clarence F.
Oswald, John.
Paton, Clyde R.
Scott, Edwin D.

Forsnas, Raymond C., Los Angeles, Calif. Fluid flow control valve. 2,549,188, Apr. 17.

Forsyth, Dabney W., Santa Monica, Calif. Dispensing device for cartons. 2,549,373, Apr. 17.

Fortier, Ernest, Three Rivers, Quebec, Canada. Money wrapping device. 2,549,590, Apr. 17.

Foster, Edwin E., Austin, Tex. Wringer. 2,548,882, Apr. 17.

Foster, Newton C.: *See*—
Hill, Charles F., and Foster.

Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Switching transient noise suppression system for combination radio and television receivers. 2,549,444, Apr. 17.

Foster, Wilbur A., Rowley, Mass. Edge binding and counter construction for moccasins. 2,548,961, Apr. 17.

Fowle, Harvey C., Cleveland, Ohio. Safety carrier for fire extinguishers. 2,549,680, Apr. 17.

Fox, Byron R., Kansas City, Mo. Gynecologic instrument in the nature of a diaphragm inserter. 2,548,962, Apr. 17.

Fox, Wilfred R., Flint, Mich. Tire valve. 2,549,075, Apr. 17.

Frankowski, Walter E., Huntington Park, Calif. Combination calipers. 2,549,963, Apr. 17.

Friden, John H., Maplewood, N. J., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Inhaler for crystalline penicillin or the like. 2,549,303, Apr. 17.

Friedman, Philip, New York, N. Y. Men's undergarment. 2,549,374, Apr. 17.

Friess, Albert H., assignor to Viewmaster Corp., New York, N. Y. Goggle support. 2,549,445, Apr. 17.

Frishberg, Samuel, New York, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J. Hair curler. 2,549,446, Apr. 17.

Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,548,964, Apr. 17.

Gabo, Naum, Woodbury, Conn. Building construction unit. 2,549,189, Apr. 17.

Gagnan, Emile, Montreal, Quebec, Canada. Dry shaver. 2,549,591, Apr. 17.

Gaines, John R.: *See*—
Rasaka, Lawrence J., and Gaines.

Gallagher, John J., Denver, Colo., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,549,447, Apr. 17.

Gallagher, Robert T., Bethlehem, Pa., C. G. Brennecke, Raleigh, N. C., and R. D. Currie, Truckaville, Pa., assignors to General Reinsurance Corporation, New York, N. Y. Mine roof testing. 2,549,076, Apr. 17.

Ganter, Francis X., Los Angeles, Calif. Drape rod supporting means. 2,549,448, Apr. 17.

Gantner, Emil, Zurich, Switzerland. Making a shaving aid. 2,548,891, Apr. 17.

Ganz, Louis, Lynbrook, N. Y. Garment fastening means. 2,549,592, Apr. 17.

Garber, John D.: *See*—
Young, David W., Garber, and Sparks.

Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Method and apparatus for vaporizing anesthetizing liquids. 2,549,593, Apr. 17.

Garth, Donald H., Chicago, Ill. Fishing lure. 2,549,077, Apr. 17.

Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Fluid filter. 2,548,965, Apr. 17.

Gavin, George L.: *See*—
Hettelsater, Henry C., and Gavin.

General Aniline & Film Corporation, assignee: *See*—
Jelinek, Charles F., and Kleinschmidt.

General Bronze Corporation, assignee: *See*—
Seelig, Richard P.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W., Bedford, and Mittag.
Bartelink, Everhard H. B.
Clark, Frank M., and Camilli.
Crowley, George C.
Dilts, Lee E.
Favre, John A.
Fiske, Milan D.
Foster, Raymond F.
Howard, Alan.
Howe, Goodwin H.
Jacob, Don M.
Kremer, Merle W., and Heigle.
McArthur, Elmer D.
McKinsey, Clarence E.
Nelson, Evan H., and Power.
Nelson, Richard B.
Noel, Edward B.
Reisch, George J.
Seaman, Joseph W.
Willoughby, Anthony H.
Winninghoff, Wilford J.

General Mills, Inc., assignee: *See*—
Gregor, Joseph A.
Long, George.

General Motors Corporation, assignee: *See*—
Gaugler, Richard S.
Sisson, Kenneth O.

General Reinsurance Corporation, assignee: *See*—
Gallagher, Robert T., Brennecke, and Currie.

General Tire and Rubber Company, The, assignee: *See*—
Cowles, Raymond H.
Dodge, Howard M.

Gerrard, A. J., & Company, assignee: *See*—
Mierzwa, Joseph P.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Multiple clutch mechanism. 2,549,078, Apr. 17.

Getting, Ivan A.: *See*—
Straus, Henry A., Getting, and Chu.

Gewin, William M., Dupo, Ill. Journal wiper. 2,549,594, Apr. 17.

Gibson, Leserine C., assignor, by mesne assignments, to G. R. Martin, Columbus, Ohio. Corn popping machine. 2,549,449, Apr. 17.

Gilchrist, Fred W., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicator. 2,549,190, Apr. 17.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic actuator. 2,548,893, Apr. 17.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic reactor. 2,548,966, Apr. 17.

Givaudan, Arturo, Mexico City, Mexico. Third dimension photographic projection screen. 2,548,967, Apr. 17.

Goddard, Alvin C., Long Island, assignor to Toast-O-Lator Co., Inc., Long Island City, N. Y. Bread toaster. 2,549,375, Apr. 17.

Gold, Harriet H., assignee: *See*—
Hopp, Philip and L.

Goldschmidt, Alfred: *See*—
Denison, George H., Jr., and Goldschmidt.

Goldstaub, Heinz H., Snaresbrook, England. Pillbox and like container of small articles. 2,549,681, Apr. 17.

Goldstein, Jacob, Mishawaka, Ind. Spring construction. 2,548,968, Apr. 17.

Gooding, Chester M.: *See*—
Morrill, Elliott, Selter, and Gooding.
Selter, Eugene D., Gooding, and Morrill.

Gooding, Chester M., Staten Island, N. Y., E. Morrill, Oak Park, Ill., and E. D. Selter, Jersey City, N. J., assignors to The Best Foods, Inc., New York, N. Y. Color and stain removers for fabrics. 2,548,892, Apr. 17.

Gooding, Chester M., Staten Island, N. Y., E. Morrill, Indianapolis, Ind., and E. D. Selter, Westfield, N. J., assignors to The Best Foods, Inc., New York, N. Y. Color and stain removers for fabrics. 2,549,079, Apr. 17.

Gordon, Hayner H., Washington, D. C., assignor to The Hayner Corporation, New York, N. Y. Indicating device for automobiles. 2,549,450, Apr. 17.

Gossling, Clement E., Winnipeg, Manitoba, Canada, assignor to Hudson's Bay Company, London, England. Revolving door driving means. 2,549,451, Apr. 17.

Graflex, Inc., assignee: *See*—
Dalton, Robert L.

Graham, Frederick D., Milwaukee, Wis. Ash pan. 2,548,969, Apr. 17.

Graham, Robert P., Albany, and A. D. Shepherd, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Extraction of citrus peel. 2,548,895, Apr. 17.

Grant Advertising Agency, Inc., assignee: *See*—
Colburn, William, and Latos.

Grate, Lorene G., Miami, Fla. Liquid lip-rouge composition. 2,548,970, Apr. 17.

Graves, James R.: *See*—
Pomeroy, Theodore M., Jr., and Graves.

Graybrook, Herbert W., Irwin, and G. R. Purifoy, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,549,304, Apr. 17.

Graybrook, Herbert W., Irwin, and M. C. Potter, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor-alternator control system. 2,549,305, Apr. 17.

Great Lakes Spring Corporation, assignee: *See*—
Shaner, Anthony, and Hampson.

Green, Martin, assignor of one-half to C. Handler, Newark, N. J. Exhibitor. 2,549,452, Apr. 17.

Greene, Sterling, Cleveland, Ohio. Self-contained easel display case. 2,549,306, Apr. 17.

Greenfield Tap and Die Corporation, assignee: *See*—
Strickland, Royce M.

Greenwood, Ernest L., F. W. Hughes, and A. W. Morledge-Hadfield, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of stencil tissue. 2,548,971, Apr. 17.

Grégoire, Jean A., Paris, France. Motor vehicle and its manufacture. 2,549,191, Apr. 17.

Gregor, Joseph A., Avon Park, Fla., assignor to General Mills, Inc. Preparing baked food products. 2,549,595, Apr. 17.

Gresham, Joseph H., Louisville, Ky. Stovepipe fastener. 2,549,192, Apr. 17.

Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anhydride synthesis. 2,549,453, Apr. 17.

Gresham, William F., R. E. Brooks, and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of methyl 4-oxobutyrate. 2,549,454, Apr. 17.

Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of esters from olefinic compounds, carbon monoxide, hydrogen and organic carboxylic acids. 2,549,455, Apr. 17.

Gresham, William F., and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of γ-glutamic acid. 2,549,456, Apr. 17.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alpha-methylacrolein. 2,549,457, Apr. 17.

Griffes, Milton W., and H. J. Rathbun, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Time-delay relay system. 2,549,307, Apr. 17.

Grimm, Clied L., Highland Park, Mich. Weedless fish bait. 2,549,458, Apr. 17.

Grisamore, Nelson T., and A. Kossiakoff, Cumberland, Md., assignors to the United States of America as represented by the Secretary of War. Igniter case for rockets. 2,548,972, Apr. 17.

Grison, Harry, Jersey City, N. J. Hair curl clamp. 2,549,193, Apr. 17.

Grossi, Carlo, Cleveland, Ohio. Animal trap. 2,549,080, Apr. 17.

Grossniklaus, Alice J., Wilmot, Ohio. Foldable box. 2,549,682, Apr. 17.

Guest, Seals E., Marietta, Ga. Linchpin. 2,549,459, Apr. 17.

Gustin, William E., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Lubricant and dust seal. 2,549,460, Apr. 17.

Gutterman, Robert P., Arlington, Va. Sealing means for the cable inlet of a terminal connector. 2,548,896, Apr. 17.

Hager, Glenn F.: *See*—
Howk, Benjamin W., and Hager.

Hale, Clifford E., Ann Arbor, assignor to Detroit Harvester Company, Detroit, Mich. Check arm structure. 2,549,194, Apr. 17.

Hall, Clyde W., Chicago, assignor, by mesne assignments, to Highway Steel Products Company, Chicago Heights, Ill. Vertical vending machine. 2,549,081, Apr. 17.

Hall, Clyde W., assignor to Highway Steel Products Company, Chicago Heights, Ill. Vending machine. 2,549,082, Apr. 17.

Hall Laboratories, Inc., assignee: *See*—
Rivers, Hubert M.

Hall, Nelson: *See*—
Troden, Augustus C., and Hall.

Haller, Clayton L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism. 2,549,461, Apr. 17.

Haman, William J., Trona, Calif. Fisherman's pliers. 2,549,462, Apr. 17.

Hambrook, Frederick E., Victoria, British Columbia, Canada. Hairpin. 2,548,973, Apr. 17.

Hamilton, Israel J., Inglewood, Calif. Rotary device. 2,549,083, Apr. 17.

Hamilton, Joseph G., San Francisco, T. M. Putnam, Oakland, and J. H. Wiens, Redwood City, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Beryllium target and manufacture. 2,549,596, Apr. 17.

Hampson, John C.: *See*—
Shaner, Anthony, and Hampson.

Handler, Charles, assignee: *See*—
Green, Martin.

Hansen, Jens P., Copenhagen, Denmark. Magazine camera. 2,549,195, Apr. 17.

Hansen, Merrill E., Silver Lake Village, assignor to American Anode Inc., Akron, Ohio. Making rubbery articles. 2,548,974, Apr. 17.

Hansen, Oswald A., and L. E. Cook, Gig Harbor, Wash. Fish lure. 2,549,463, Apr. 17.

Harlow, Earl V., Nutley, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Removing carbon from catalyst. 2,548,883, Apr. 17.

Harnischfeger Corporation, assignee: *See*—
Hettelsater, Henry C., and Gavin.

Harrer, Paul H., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fastening crank to reel tooth bar tube. 2,549,086, Apr. 17.

Harris, Herschel G., New York, and E. S. Davis, Hopewell Junction, assignors to New York Rubber Corporation, New York, N. Y. Inflatable mattress for cribs and the like. 2,549,597, Apr. 17.

Harris, Robert W., Garden City Park, assignor to The Western Union Telegraph Company, New York, N. Y. Typewriter ribbon rejuvenating device. 2,549,196, Apr. 17.

Harris-Seybold Company, assignee: *See*—
Niles, Irving F.

Harris, Sidney A., Flint, Mich. Fuel modifying device for internal-combustion engines. 2,549,598, Apr. 17.

Harris, Stanley E., Waterloo, Iowa. Fluid torque converter. 2,549,308, Apr. 17.

Harshbarger, Walter J., New York, N. Y., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Air purifier and circulator. 2,549,087, Apr. 17.

Hartig, Otto C., assignee: *See*—
Cross, Fred H.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric power source. 2,549,464, Apr. 17.

Hartley, Walter, Radcliffe, England. Flier for textile machines. 2,549,599, Apr. 17.

Hartman, William C., Bohemia, J. A. Peoples, Jr., Hempstead, and H. L. Hull, East Williston, N. Y., assignors to The Sperry Corporation. Remote positional control mechanism. 2,548,884, Apr. 17.

Hartough, Howard D.: *See*—
Coonradt, Harry L., and Hartough.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors, to Socony-Vacuum Oil Company, Incorporated. Synthesis of 5-(2-thenoyl)-pentanoic acid from thiophene, adipyl chloride and silica-alumina catalyst. 2,549,600, Apr. 17.

Harvey, Robert L.: *See*—
Carlson, Wendell L., and H.

Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Ltd., London, England. Internal-combustion turbine power plant with nested compressor and turbine. 2,548,975, Apr. 17.

Hayes, John P., Los Angeles, Calif. Striking bag bladder. 2,549,197, Apr. 17.

Hayner Corporation, The, assignee: *See*—
Gordon, Hayner H.

Haynie, Drew W.: *See*—
Benton, John E., and Haynie.

Hayward, Landes H., Los Angeles, Calif. Well cementing apparatus. 2,549,198, Apr. 17.

Hazeltine Research, Inc., assignee: *See*—
Curtis, Leslie F.

Hegyi, Imre J., Princeton, N. J., assignor to Radio Corporation of America. Mixed ferrite compositions, including lithium ferrite. 2,549,089, Apr. 17.

Heigle, Woodrow W.: *See*—
Kremer, Merle W., and Heigle.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Oxy substituted aminoindanones. 2,549,683, Apr. 17.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Methoxy substituted 2-aminoindanols. 2,549,684, Apr. 17.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Dioxy substituted 2-aminoindanols. 2,549,685, Apr. 17.

Hercules Powder Company, assignee: *See*—
Burt, Leland H.
Koch, William.
Weisgerber, Cyrus A.

Hercules Trouser Company, The, assignee: *See*—
Levine, Irving I.

Herren, Luther Y., Fayette, Ala. Dust and lint blower for spinning frames. 2,549,601, Apr. 17.

Hessel, Frederick A., and W. B. Canfield, Montclair, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Cation-exchange product and making same. 2,549,745, Apr. 17.

Heth, Glen F., Fort Atkinson, Wis. Container vise. 2,549,084, Apr. 17.

Hettelsater, Henry C., Whitefish Bay, and G. L. Gavin, assignors to Harnischfeger Corporation, Milwaukee, Wis. Replaceable tooth for rotary earth cutting means. 2,549,088, Apr. 17.

Heywood-Wakefield Company, assignee: *See*—
Mosher, Chester L., and Owler.

Hibbert, Harold M., J. Holroyd, and R. H. Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America. Winding of yarns. 2,548,976, Apr. 17.

Higgins, Allan H. W.: *See*—
Fischer, Herbert C., and Higgins.

Highfield, Leslie J.: *See*—
Robertson, David S., and Highfield.

Highway Steel Products Company, assignee: *See*—
Hall, Clyde W.

Hill, Charles F., and N. C. Foster, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Encapsulated member. 2,549,309, Apr. 17.

Hill, Luther R.: *See*—
Degnen, William J., and Hill.

Hilliard, Sidney, assignee: *See*—
Allen, Frederick.

Hines, Ralph W., Cincinnati, Ohio. Occupant operated swing. 2,549,085, Apr. 17.

Hintlian, Vahan S., Watertown, assignor to Deran Confectionery Co., Inc., Cambridge, Mass. Rotor and stationary-chamber machine for crushing, mixing, or refining of liquids or semiliquids. 2,549,310, Apr. 17.

Hixon, Max, assignee: *See*—
Stelz, Frank F.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Decolorizing and fractionating sugar cane wax. 2,548,885, Apr. 17.

Hjulian, Julius A., Palos Heights, assignor to Crane Co., Chicago, Ill. Apparatus for the extrusion of pipe. 2,549,686, Apr. 17.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Variable ratio power transmission apparatus. 2,549,090, Apr. 17.

Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.

Hodska, Nicholas, Stratford, Conn. Combination envelope and letter paper. 2,549,199, Apr. 17.

Hoe, R., & Co., Inc., assignee: *See*—
Huck, William F.

Hoheisel, Otto, Milltown, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Making heat exchangers. 2,549,466, Apr. 17.

Holm, Sven: *See*—
Yerrick, William D., and Holm.

Holroyd, John: *See*—
Hibbert, Harold M., Holroyd, and Baines.

Hoogerheide, Johannes C., Whitefish Bay Village, Wis., and E. G. Loughery, Omaha, Nebr., assignors to Pabst Brewing Company, Milwaukee, Wis. Biochemical production of enzymes. 2,549,465, Apr. 17.

Hook-Flex Corporation, assignee: *See*—
Markin, Louis.

Hooks, Nail T., assignor of fifty per cent to J. A. Burks, Hopkinsville, Ky. Paper and pencil clip. 2,549,200, Apr. 17.

Hopkins, Harris F., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diaphragm for electroacoustic transducers. 2,549,091, Apr. 17.

Hopp, Leo: *See*—
Hopp, Philip, and L.

Hopp, Philip and L., assignors to H. H. Gold, New York, and H. H. Caplan, Flushing, N. Y. Exhibitor member. 2,549,467, Apr. 17.

Hopps, Lewis, Darien, Conn., assignor to The Indiana Steel Products Company, Chicago, Ill. Applicator for ion traps. 2,549,602, Apr. 17.

Horth, Walter, Wilmette, assignor, by mesne assignments, to Herbert S. Simpson, Evanston, Ill., as trustee. Mulling material. 2,549,603, Apr. 17.

Horton Manufacturing Company, assignee: *See*—
Brothman, Hyman D.

Hotson, Dale V.: *See*—
Sikorra, Daniel J., and Hotson.

Houdry Process Corporation, assignee: *See*—
Bond, George R., Jr.
Savage, Reuben T.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Gas turbine power plant with axial flow compressor. 2,548,886, Apr. 17.

Howe, Goodwin H., Schenectady, N. Y., assignor to General Electric Company. Magnetic sound recording medium. 2,549,468, Apr. 17.

Howe, Goodwin H., Schenectady, N. Y., assignor to General Electric Company. Magnetic sound recording medium. 2,549,469, Apr. 17.

Howk, Benjamin W., Wilmington, and G. F. Hager, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of alcohols. 2,549,470, Apr. 17.

Howland, Bradford, assignee: *See*—
Schreiner, Edmund D., and Howland.

Howlett, Thomas W., assignor to Letts Drop Forge, Inc., Detroit, Mich. Drive for forge hammers. 2,549,604, Apr. 17.

Huber, Louis C., assignee: *See*—
Richeson, Sanford E.

Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Burner for liquid fuels. 2,549,092, Apr. 17.

Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Flexibly mounted and connected vertical gas heating furnace. 2,549,093, Apr. 17.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Timer for toasters and the like. 2,549,094, Apr. 17.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Temperature control for warming blankets. 2,549,095, Apr. 17.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Register control device for web printing machines. 2,549,605, Apr. 17.

Hudson, James L., Detroit, Mich. Carbonator. 2,549,311, Apr. 17.

Hudson, Thomas J., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,549,606, Apr. 17.

Hudson's Bay Company, assignee: *See*—
Gossling, Clement E.

Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Cyclic control means in selective printing machines. 2,549,607, Apr. 17.

Hughes, Frederick W.: *See*—
Greenwood, Ernest L., Hughes, and Morledge-Hadfield.

Hughes, Henry & Son Limited, assignee: *See*—
Crown, William H., and Whitfield.

Hull, Harvard L.: *See*—
Hartman, William C., Peoples, and Hull.

Hunter, Charles G., Santa Monica, assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Ventilated awning. 2,549,201, Apr. 17.

Hunter Douglas Corporation, assignee: *See*—
Hunter, Charles G.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Bathing cap. 2,549,376, Apr. 17.

Hutchison, Frank E., Houston, Tex. Grounding contact. 2,549,471, Apr. 17.

Hydropress, Incorporated, assignee: *See*—
Cozzo, Giuseppe.

Idelman, Jerome S., Chicago, Ill. Cutting machine. 2,549,202, Apr. 17.

Indiana Steel Products Company, The, assignee: *See*—
Hopps, Lewis.

Industriaktiebolaget Luxor, assignee: *See*—
Wennerbo, Erik.

Instrument Development Laboratories, Inc., assignee: *See*—
Bentley, Edward P. and G. P.

Interior, United States of America as represented by the Secretary of The, assignee: *See*—
Kroll, William J

International Projector Corporation, assignee: *See*—
Harshbarger, Walter J.

Internationale Aktiengesellschaft für Gassynthesen, assignee: *See*—
Zimmermann, Siegfried J.

Isreeli, Jack, and G. T. Allen, New York, assignors to Simmonds Aerocessories, Inc., Tarrytown, N. Y. Flow divider apparatus for hydraulic systems and the like. 2,549,472, Apr. 17.

Izenour, George C., New Haven, Conn. Filtered thyratron control circuits. 2,548,887, Apr. 17.

Jack, Delbert E., New York, N. Y., and J. M. Williamson, Dayton, Ohio, assignors to The Duriron Company, Inc., New York, N. Y. Heat exchanger. 2,549,687, Apr. 17.

Jackson, George P., Flushing, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Underfeed stoker, including progressive overfeed grates. 2,549,203, Apr. 17.

Jacob, Don M., Schenectady, N. Y., assignor to General Electric Company. Radar equipment calibrating system. 2,549,473, Apr. 17.

Jacobi, Louis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Indicator for gearshift mechanisms. 2,549,096, Apr. 17.

Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.

Jaeger, Eugen, Kingston, Pa. Cable sheath slitter. 2,548,977, Apr. 17.

James, Frazier N.: *See*—
Booth, Jack J., and James.

Janonis, George, Detroit, Mich. Door latch structure. 2,549,312, Apr. 17.

Japikse, Bertrand, Reiffton, Pa. Valve mechanism for hydraulic power presses. 2,549,474, Apr. 17.

Jardim, Joaquim S., Newark, N. J. Inflatable tube for raising fish nets. 2,549,475, Apr. 17.

Jeffrey Manufacturing Company, The, assignee: *See*—
Mackensen, Harold T.

Jelinek, Alfred F., assignor to Cleveland Automatic Machine Co., Cincinnati, Ohio. Collet assembly. 2,548,978, Apr. 17.

Jelinek, Charles F., Easton, Pa., and R. F. Kleinschmidt, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of malonaldehyde dianils. 2,549,097, Apr. 17.

Johns-Manville Corporation, assignee: *See*—
Atchison, Thomas C.
Hoheisel, Otto.
Parry, Robert E.

Johnson, Grant W., Lincoln, Ill. Changeable pitch propeller. 2,549,313, Apr. 17.

Johnson, H., Engineering & Sales Co., assignee: *See*—
Johnson, Harold R.

Johnson, Harold R., assignor to H. Johnson Engineering & Sales Co., Rockford, Ill. Rubbing machine. 2,548,979, Apr. 17.

Johnson, Hubert K., Southport, Conn. Hand weeding and cultivating tool. 2,549,608, Apr. 17.

Johnson, James H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic actuator. 2,548,894, Apr. 17.

Johnson, Kenneth C., Claymont, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Separation of fluorinated hydrocarbons by distillation with hydrogen fluoride. 2,549,609, Apr. 17.

Johnson, William B., Easley, S. C. Transplanting digger. 2,549,476, Apr. 17.

Johnstone, Warren W.: *See*—
Brown, Kenneth M., and Johnstone.

Jones, Peter C., Dayton, Ohio. Radio range training device. 2,548,888, Apr. 17.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magneto party-line adapter. 2,549,688, Apr. 17.

Joseph, Louis L., Chicago, Ill. Measuring tape. 2,549,098, Apr. 17.

Jurs, Albert E., Jr., assignor to Shand & Jurs Company, Berkeley, Calif. Fluid operated valve. 2,549,689, Apr. 17.

Kaddatz, Oscar W., Chicago, Ill. Drain control device. 2,549,204, Apr. 17.

Kahn, David, Inc., assignee: *See*—
Para, John W.

Kaswell, Ernest R., assignor to Fabric Research Laboratories, Inc., Boston, Mass. Stripping color from dyed wool. 2,549,099, Apr. 17.

Katz, Benne, and J. Schwartzberg, Brooklyn, N. Y. Fire retardant door. 2,549,205, Apr. 17.

Katz, Russell S.: *See*—
Musch, William F., and Katz.

Kegley, Charles P., Pulaski, Va. Window blind. 2,549,314, Apr. 17.

Kelhl, Ernest F. W., Jr., assignor of forty per cent to E. Reimer, Medina, N. Y. Bale tie. 2,549,206, Apr. 17.

Kellte Products, Inc., assignee: *See*—
Slover, Archy F.

Kellgren, Waldo, West St. Paul, assignor to Minnesota Minning & Manufacturing Company, St. Paul Minn. Pressure-sensitive adhesive tape. 2,548,980, Apr. 17.

Kellogg, M. W., Company, The, assignee: *See*—
Degnen, William J., and Hill.

Kelly, Vera M.: *See*—
Lightfoot, Agnes M., and Kelly.

Kemmerer, Harold R., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Torque converter fluids. 2,549,377, Apr. 17.

Kemp, Jay S., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recorder and wire handling means therefor. 2,548,981, Apr. 17.

Kemp, Woodrow E., assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada. Polyaryl polyparaffins. 2,548,982, Apr. 17.

Kennedy, James M., and H. J. Lee, Rome, N. Y., and A. P. Knight, deceased, Rome, N. Y.; by N. R. Knight, executrix; said Kennedy, Lee, and A. P. Knight assignors to Reveres Copper and Brass Incorporated, Rome, N. Y. Electroplating. 2,549,610, Apr. 17.

Kershaw, Robert H., Long Beach, Calif. Appliance mount for vehicle doors. 2,549,100, Apr. 17.

Kestenbaum, Saul, New York, N. Y. Fluid dispensing container with an outlet, a valved, supporting casing for said container, and a conduit from said outlet to said valve. 2,549,207, Apr. 17.

Kester, Robert E., Dayton, Ohio, and W. S. Quincy, Jr., Quaker Hill, Conn. High-speed coaxial relay. 2,548,889, Apr. 17.

Kice, Murray S., Jr., assignor to American Blower Corporation, Detroit, Mich. Fan and assembly and disassembly. 2,549,208, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Gear case unit for outboard motors. 2,549,477, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Internal-combustion engine. 2,549,478, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Drive shaft housing for outboard motors. 2,549,479, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Tachometer arrangement for outboard motors. 2,549,480, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Reversible outboard motor. 2,549,481, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Internal-combustion engine. 2,549,482, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Tilt handle above the center of gravity on outboard motor housings. 2,549,483, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Underwater gear unit for outboard motors. 2,549,484, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor protecting rim. 2,549,485, Apr. 17.

Kiekhaefer, Elmer C., Cedarburg, Wis. Steering mounting for outboard motors. 2,549,486, Apr. 17.

Kilgore Manufacturing Company, The, assignee: *See*—
Clauser, Herbert C., and Long.

Kimball, A., Company, assignee: *See*—
Marsh, Alonzo K.

Kleinschmidt, Roger F.: *See*—
Jelinek, Charles F., and Kleinschmidt.

Klemperer, Wolfgang B., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cabin pressure control. 2,549,690, Apr. 17.

Klonowski, Edmund J., Buffalo, and J. Busch, Tonawanda, N. Y. Venetian blind. 2,549,691, Apr. 17.

King, Charles W., Chicago, Ill., assignor to Productive Inventions, Inc. Compensated temperature control system. 2,548,983, Apr. 17.

Knapp-Monarch Company, assignee: *See*—
Huck, Alfred J.

Knight, Arthur P.: *See*—
Kennedy, James M., Lee, and Knight.

Knight, Norine R., executrix: *See*—
Kennedy, James M., Lee, and Knight.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Upright piano action. 2,548,890, Apr. 17.

Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Insulated electrical conductor. 2,549,101, Apr. 17.

Kollath, Francis C., Chicago, Ill. Lamp guard and handle. 2,549,487, Apr. 17.

Koontz, Lamont B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,549,209, Apr. 17.

Koppers Company, Inc., assignee: *See*—
Harlow, Earl V.

Kosak, Alvin I.: *See*—
Hartough, Howard D., and Kosak.

Kossiakoff, Alexander: *See*—
Grisamore, Nelson T., and Kossiakoff.

Kramer, Charles W., Los Angeles, Calif. Tooth paste and shave cream dispenser with interconnected control cap. 2,549,488, Apr. 17.

Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Truck cab suspension. 2,549,102, Apr. 17.

Kramer, Clarence F., Birmingham, Mich. Windshield mounting. 2,549,315, Apr. 17.

Krause, Frederick W., Carmichaels, Pa. Wheel lifting dolly. 2,549,489, Apr. 17.

Krauss, Gilbert O., St. Louis, Mo. Combination flashlight and signaling device. 2,549,103, Apr. 17.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Epstein, Raphael.

Krell, H. Louise, Hazleton, Pa. Protector for trouser type garments. 2,549,210, Apr. 17.

Kremer, Merle W., Cleveland Heights, and W. W. Helgle, Cleveland, Ohio, assignors to General Electric Company. Sorting apparatus. 2,549,316, Apr. 17.

Krolikowski, Joseph A.: *See*—
Radecki, Michael J., and Krolikowski.

Kroll, William J., Corvallis, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Melting hafnium, zirconium, and titanium metals. 2,548,897, Apr. 17.

Kubach, Richard, assignee: *See*—
Willis, Maurice B.

Kuhl, George H., Glen Ellyn, assignor to J. B. and L. R. Chamberlain, doing business as Commander Mfg. Co., Chicago, Ill. Multiple spindle drill gearing. 2,549,490, Apr. 17.

Kuhn, Robert, Trenton, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa. Separation of amino acids. 2,549,378, Apr. 17.

Kunzl, Andrew E., Marshall, Mich., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Door check and closer. 2,549,611, Apr. 17.

Kylin, Henrik O.: *See*—
Kylin, Oskar and H. O.

Kylin, Oskar and H. O., Cleveland Heights, assignors to Bardons and Oliver, Inc., Cleveland, Ohio. Hydraulically actuated turret index mechanism. 2,549,746, Apr. 17.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. Quaternary thenyl compounds. 2,548,898, Apr. 17.

Lago, Francisco, Livingston, N. Y. Inkstand. 2,549,612, Apr. 17.

Lake Laboratories Co., The, assignee: *See*—
Simpson, Henry A., and Mackelduff.

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Resistance element for pyrometers. 2,549,211, Apr. 17.

Landers, Frary & Clark, assignee: *See*—
Russell, William J.

Landstrom, Ivan E., assignee: *See*—
Rounds, Gale A.

Lane, Joseph M., Los Angeles, Calif. Adjustable scaffolding. 2,549,212, Apr. 17.

Lane-Wells Company, assignee: *See*—
McPhee, James W.

Lang, Homer V., Charlotte, N. C. Warp dye beam. 2,548,899, Apr. 17.

Langdon, Niles, assignee: *See*—
Derby, Lloyd A.

Larson, Henning R., Holden, Mass. Shovel. 2,549,491, Apr. 17.

Latos, Edwin J.: *See*—
Colburn, William, and Latos.

Laughery, Eugene G.: *See*—
Hoogerheide, Johannes C., and Laughery.

Laughlin, Myron P., Atlanta, Ga. Lawn mower. 2,549,317, Apr. 17.

Lawrens, Frederick H., Dallas, Tex. Subirrigator and soil fertilizer. 2,549,213, Apr. 17.

Lawton Products Company, Inc., assignee: *See*—
Dusek, Joseph F., and Failert.

Lechthaler, Charles H., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Revivification of desiccants. 2,549,104, Apr. 17.

Lee, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of melamine. 2,549,492, Apr. 17.

Lee, Harold J.: *See*—
Kennedy, James M., Lee, and Knight.

Lee, John W., Dayton, Ohio. Free center for the tailstock of a lathe. 2,549,613, Apr. 17.

Leeds and Northrup Company, assignee: *See*—
Stein, Irving M., Williams, and Clark.

Leeson, Meldon G., York, Pa., assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making apparatus. 2,549,747, Apr. 17.

Lehmann, Erich O., Verona, N. J. Toolholder for lathes. 2,549,493, Apr. 17.

Leighton, Alexander H., Minneapolis, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary anode X-ray tube. 2,549,614, Apr. 17.

Lennberg, Frank A., Jr., Summit Township, Erie County, Pa. Toy gun. 2,548,984, Apr. 17.

Lentz, Lawrence E., New Canaan, Conn., assignor to Underwood Corporation, New York, N. Y. Machine foot and anchorage. 2,549,692, Apr. 17.

Lester, John M., Hempstead, N. Y., assignor to The Sperry Corporation. Data presentation apparatus. 2,548,900, Apr. 17.

Letts Drop Forge, Inc., assignee: *See*—
Howlett, Thomas W.

Levine, Irving I., assignor to The Hercules Trouser Company, Columbus, Ohio. Trouser waistband construction. 2,549,693, Apr. 17.

Leyda, Lewis G., Charlerol, Pa. Signal attachment for fishing poles. 2,549,694, Apr. 17.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Weaver, Welcome I.

Licht, Anna, New York, N. Y. Lady's garment. 2,549,494, Apr. 17.

Liebel, Neal W., Erie, Pa. Combined screen and table. 2,549,379, Apr. 17.

Lieber, Eugene: *See*—
Cashman, Edward P., and Lieber.

Lighter, Stephen, Whitefish Bay, Wis. Skeleton carton. 2,548,985, Apr. 17.

Lightfoot, Agnes M., and Vera M. Kelly, Beaumont, Tex. Astrological game apparatus. 2,549,495, Apr. 17.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Electromagnetic friction clutch. 2,549,214, Apr. 17.

Linder, Rosalie B., New Orleans, La. Child's doll and handbag. 2,549,695, Apr. 17.

Linderme, Theodore G., Detroit, Mich. Multiple drill head. 2,549,318, Apr. 17.

Lisle Corporation, assignee: *See*—
Arthur, John R.

List, Hans, and E. Niedermayer, Graz, Austria, said Niedermayer assignor to said List. Evaporation cooling for horizontal piston motors. 2,549,615, Apr. 17.

Lockhart, Hildred B.: *See*—
Dunn, Earl C., Lowman, and Lockhart.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse correcting repeater-selector system. 2,549,696, Apr. 7.

Long, George, St. Louis Park, Minn., assignor to General Mills, Inc. Switch operating mechanism. 2,549,616, Apr. 17.

Long, Robert S.: *See*—
Clauser, Herbert C., and Long.

Louden Machinery Company, The, assignee: *See*—
Mayer, Wilbur.

Lowe, Earl R., Oaklawn, Ill. Ruffle ironing attachment for flatirons. 2,549,319, Apr. 17.

Lowell and Grayson Manufacturing Company, assignee: *See*—
Ellingson, La Verne O.

Lowman, George L.: *See*—
Dunn, Earl C., Lowman, and Lockhart.

Lucas, Joseph Limited, assignee: *See*—
Watson, Ernest A.

Mackelduff, Samuel F.: *See*—
Simpson, Henry A., and Mackelduff.

Mackensen, Harold T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Feed nut sleeve for drills. 2,549,105, Apr. 17.

Mahoney, John E., assignee: *See*—
McClelland, Kenneth.

Maico Company, Incorporated, The, assignee: *See*—
Nelson, Franklin S.

Makin, Melfred E., Ontario, Oreg. Wheeled axle suspension. 2,549,320, Apr. 17.

Maltby, Joseph M., trustee, assignee: *See*—
Wysong, Ansel S.

Manacher, Alfred T., New York, N. Y. Combination heater and drier. 2,549,106, Apr. 17.

Manitowoc Shipbuilding Company, assignee: *See*—
Winborn, Byron R., Jr.

Mansted, Svend A. J., Copenhagen, Denmark. Producing broken ice. 2,549,215, Apr. 17.

Marinsky, Davis, deceased, Bronx, assignor of one-half to L. H. Morin, New York, N. Y.; L. H. Morin executor. Reverse locking slider. 2,549,380, Apr. 17.

Markel Electric Products, Inc., assignee: *See*—
Schweitzer, Erich.

Markin, Louis, assignor to Hook-Flex Corporation, Chicago, Ill. Trouser fly construction. 2,549,496, Apr. 17.

Marmont, George H., Chicago, Ill., and W. A. Rice assignors to Bendix Aviation Corporation, Detroit, Mich. Key operated switch for musical instruments. 2,549,697, Apr. 17.

Marsh, Alonzo K., Ridgewood, N. J., assignor to A. Kimball Company, New York, N. Y. Apparatus for marking tags. 2,549,107, Apr. 17.

Marshall, Gordon W., Dunellen, and J. B. Scapillati, North Plainfield, N. J. Jack attachment for vehicles. 2,549,321, Apr. 17.

Marshall, Robert B., Youngstown, Ohio. Sliding shelf construction for food mixers. 2,549,617, Apr. 17.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller pitch control. 2,549,108, Apr. 17.

Martin, Guy R., assignee: *See*—
Gibson, Leserine C.

Martin, William McK., San Mateo, Calif., assignor to James Dole Engineering Co. Apparatus and method for preserving products in sealed containers. 2,549,216, Apr. 17.

Mason, James A., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, South Beloit, Ill. Friction brake cooling system. 2,549,217, Apr. 17.

Mason-Neilan Regulator Company, assignee: *See*—
Robins, John W.

Mason, Veyne V., Los Angeles, Calif. Engine oil filter. 2,549,698, Apr. 17.

Matica, Stephen W., Bridgeport, Conn. Pipe threader and cutting device. 2,549,381, Apr. 17.

Matthews, George A., Detroit, Mich. Protective device for electrical power transmission systems. 2,549,497, Apr. 17.

Mayer, Wilbur, assignor to The Louden Machinery Company, Fairfield, Iowa. Sectionalized bus bar construction. 2,548,986, Apr. 17.

Mayo, Robert D., Flint, Mich. Auxiliary fuel tank and pump. 2,548,987, Apr. 17.

McAlpine, George R., and J. C. Bowlware, Oklahoma City, Okla. Portable rack. 2,549,498, Apr. 17.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Tunable cavity resonator. 2,549,499, Apr. 17.

McBean, Robert H., Fairview Village, assignor to The Deming Company, Salem, Ohio. Pump. 2,549,218, Apr. 17.

McBride, Edward J., Philadelphia, Pa. Pirn or cone holder. 2,549,618, Apr. 17.

McCarty, Lourdes V.: *See*—
Biermann, William A., and McCarty.

McClain, Lawrence W., St. Joseph, Mo. Adjustable garment hanger. 2,549,500, Apr. 17.

McClelland, Kenneth, assignor to J. E. Mahoney, Chicago, Ill. Differential drive for flour mill roll stands and the like. 2,549,501, Apr. 17.

McClenathan, Roy F., Moorheadville, Pa. Shoe stretcher. 2,549,502, Apr. 17.

McCully, Harry, Chicago, Ill. Rule attachment. 2,549,503, Apr. 17.

McDonald, Robert L. F., Rochester, N. Y. Pedal lift for velocipedes. 2,548,988, Apr. 17.

McEnroe, Patrick J., Jr.: *See*—
Ferrell, Alton J., and McEnroe.

McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.

McKay-Davis Chemical Corporation, assignee: *See*—
Donofrio, Alfonso M.

McKeague, John F., Thorold, Ontario, Canada. Preheating secondary air feeding furnace door mounted device. 2,549,219, Apr. 17.

McKinsey, Clarence E., Painesville, Ohio, assignor to General Electric Company. Wire packaging apparatus. 2,549,322, Apr. 17.

McLaren, Arthur D., Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated wrapping tissue and making same. 2,549,220, Apr. 17.

McLaughlin, Dean B., and G. S. Perkins, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Photographic method and apparatus. 2,549,699, Apr. 17.

McLeod, Henry J., Gary, Ind. Carburetion system. 2,548,989, Apr. 17.

McLoad, Kenneth W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Invertible geophone. 2,548,990, Apr. 17.

McMullen, Chester A.: *See*—
McMullen, Elvin and C. A.

McMullen, Elvin and C. A., Hutchinson, Kans. Automatic electromagnetic switch. 2,549,323, Apr. 17.

McNabb, James D., Los Angeles, Calif. Electrical circuit tester. 2,548,991, Apr. 17.

McPhee, James W., assignor to Lane-Wells Company, Los Angeles, Calif. Radioactive locating means. 2,549,109, Apr. 17.

McPherson, Rolla R., Washington, D. C. Automobile clothes hanger support. 2,548,992, Apr. 17.

McQuay-Norris Manufacturing Company, assignee: *See*—
Persons, Lawrence M.

Meltzer, Henry E., assignor to All-Over Manufacturing Co., Racine, Wis. Driving mechanism for hair clippers. 2,549,221, Apr. 17.

Merrow Machine Company, The, assignee: *See*—
Pierce, Bernard N.
Washburn, John M.

Messana, Joseph P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealing glass to metal. 2,549,504, Apr. 17.

Metals & Controls Corporation, assignee: *See*—
Ottmar, Jerome.

Metz, Weldon L.: *See*—
Wallace, James M., and Metz.

Michael, Harold E., Glendale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Panel hinge. 2,549,110, Apr. 17.

Mierzwa, Joseph P., assignor to A. J. Gerrard & Company, Chicago, Ill. Strap anchor plate. 2,548,993, Apr. 17.

Miley, Albert M., Glenside, and J. E. White, Philadelphia, Pa., assignors to The Electric Storage Battery Company. Vent plug. 2,548,995, Apr. 17.

Millendorf, Alfred J., Beacon, E. A. Narugon, Glenham, and J. H. Vergilio, Beacon, assignors to The Texas Company, New York, N. Y. Combination synthesis of hydrocarbons and organic carbonyl compounds. 2,549,111, Apr. 17.

Miller, Earle C., and A. C. Neilson, assignors to Riley Stoker Corporation, Worcester, Mass. Mechanism for transmitting motion. 2,548,994, Apr. 17.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for finish cutting the teeth of gears, gear shaving cutters, and the like. 2,549,324, Apr. 17.

Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.

Miller, Robert F., assignor to Crane Packing Company, Chicago, Ill. Self-contained mechanical seal with O-ring. 2,549,112, Apr. 17.

Miner, W. H., Inc., assignee: *See*—
Fuchs, Henry.
Wirhall, William E.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Brion, Benjamin W.
Burdick, Edwin C.
Gille, Willis H.
Johnson, James H.
Koontz, Lamont B.
Ne Smith, Woodrow.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Cross, Bert S., and Netherly.
Kellgren, Waldo.

Minton, Leslie A., Portland, Oreg. Guide for ball flush valves. 2,549,700, Apr. 17.

Mishcon, Lester: *See*—
Mishcon, Samuel, Aguinek, and Mishcon.

Mishcon, Samuel, Queens, H. Aguinek, Brooklyn, and L. Mishcon, Queens, assignors to Supreme Knitting Machine Co., Inc., New York, N. Y. Apparatus for knitting striped fabric. 2,549,701, Apr. 17.

Miskella, William J., Cleveland, Ohio. Infrared oven. 2,549,619, Apr. 17.

Mitchell, John E., Company, assignee: *See*—
Mitchell, Orville.

Mitchell, Orville, assignor to John E. Mitchell Company, Dallas, Tex. Pumping mechanism. 2,549,620, Apr. 17.

Mittag, Albert H.: *See*—
Alexanderson, Ernst F. W., Bedford, and Mittag.

Mitterway, Philip F., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Braided driving belt. 2,549,382, Apr. 17.

Moe, William W., Stratford, Conn., assignor to Time, Inc., New York, N. Y. Cathode compensated electronic tube circuit. 2,548,901, Apr. 17.

Moebes, August, Vallejo, Calif. Inner tube tester. 2,549,222, Apr. 17.

Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase or frequency modulation system. 2,549,505, Apr. 17.

Moldovan, Edward W., Lakewood, Ohio. Garden hose reel. 2,549,224, Apr. 17.

Mongelli, Charles and J., Washington, D. C. Watch repairman's work holder. 2,549,325, Apr. 17.

Mongelli, John: *See*—
Mongelli, Charles and J.

Monroe Calculating Machine Company, assignee: *See*—
Fleming, Howard M.

Monsanto Chemical Company, assignee: *See*—
Kyrides, Lucas P.

Montclair Research Corporation, assignee: *See*—
Hessel, Frederick A., and Canfield.

Moody, Arthur C., Calera, Okla. Cotton cleaner. 2,549,223, Apr. 17.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Elastic-fluid temperature-responsive system. 2,549,621, Apr. 17.

Moore, David W., Jr., New York, and A. G. Nash, Garden City, N. Y., assignors to Fairchild Camera and Instrument Corporation. Pneumatic temperature-responsive apparatus. 2,549,622, Apr. 17.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Pneumatic temperature-responsive apparatus. 2,549,623, Apr. 17.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Pneumatic temperature-responsive apparatus. 2,549,624, Apr. 17.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Pneumatic temperature-responsive apparatus. 2,549,625, Apr. 17.

Moore, Frank E., Meriden, Conn. Citrus fruit peeler. 2,549,326, Apr. 17.

Moore, James A.: *See*—
Wagner, Romeo B., and Moore.

Moore, Thomas, Clinton, Iowa. Handgrip for bathtubs. 2,549,506, Apr. 17.

Moraine Box Company, assignee: *See*—
Munroe, Thomas.

Morgan, Bryan E., and R. A. Salathiel, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Oil well cementing. 2,549,507, Apr. 17.

Morin, Louis H., assignee, executor: *See*—
Marinsky, Davis.

Morledge-Hadfield, Albert W.: *See*—
Greenwood, Ernest L., Hughes, and Morledge-Hadfield.

Morrill, Elliott: *See*—
Gooding, Chester M., Morrill, and Selter.
Selter, Eugene D., Gooding, and Morrill.

Morrill, Elliott, Indianapolis, Ind., E. D. Selter, Westfield, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods, Inc., New York, N. Y. Color and stain removers for fabrics. 2,549,113, Apr. 17.

Morris, Rupert C.: *See*—
Evans, Theodore W., and Morris.

Morrison, Charles C., assignee: *See*—
Willis, Maurice B.

Morton, Whipple V., San Francisco, Calif. Diffusion apparatus. 2,548,996, Apr. 17.

Mosey, Frederick W., London, England. Strapping machine. 2,549,626, Apr. 17.

Mosher, Chester L., Gardner, and R. N. Owler, Fitchburg, assignors to Heywood-Wakefield Company, Gardner, Mass. Built-in tubular ash tray for chair arms. 2,549,114, Apr. 17.

Mote, Lewis C., Ottumwa, Iowa. Toothbrush holder. 2,549,115, Apr. 17.

Motiograph, assignee: *See*—
Wienke, Emil J.

Mottern, Henry O., Bloomfield, N. J., assignor to Standard Oil Development Company. Preparation of unsaturated ketones and aldehydes. 2,549,508, Apr. 17.

Moule, Rex E., assignor to Norton Company, Worcester, Mass. Capsule making machine and method. 2,549,327, Apr. 17.

Mountain Brake and Engineering Corporation, assignee: *See*—
Stevens, Clifton C., and Sanders.

Moy, Arthur, Detroit, Mich. Nondrip dispensing bottle stopper. 2,549,225, Apr. 17.

Mueller Co., assignee: *See*—
Mueller, Frank H., and Smith.

Mueller Electric Company, assignee: *See*—
Flynn, Alfred A.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Feed sleeve connection for drilling machines and the like. 2,549,702, Apr. 17.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,548,902, Apr. 17.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,548,903, Apr. 17.

Munroe, Thomas, assignor to Moraine Box Company, Dayton, Ohio. Knockdown shipping container. 2,549,509, Apr. 17.

Murphy, Demery A., Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Load supporting device. 2,549,116, Apr. 17.

Musch, William F., and R. S. Katz, Hamilton, Ohio, said Katz assignor to said Musch. Football down marker and indicator. 2,549,627, Apr. 17.

Myer, Claus D., assignor to Myer Flushometer Co., Grantwood, N. J. Flush valve. 2,549,628, Apr. 17.

Myer Flushometer Co., assignee: *See*—
Myer, Claus D.

Myers, Robert R., Jr., Des Moines, Iowa. Holding printing plates to rotary presses. 2,549,226, Apr. 17.

Naragon, Ernest A.: *See*—
Millendorf, Alfred J., Naragon, and Vergilio.

Nash, Alfred G.: *See*—
Moore, David W., Jr., and Nash.

National Electric Welding Machines Company, assignee: *See*—
Cogan, Howard C.

National Inventions Corporation, assignee: *See*—
Bridges, John H.

National Steel Corporation, assignee: *See*—
Strassburger, Julius H.
Yoxall, John.

National Supply Company, The, assignee: *See*—
Murphy, Demery A.

National Tube Company, assignee: *See*—
Offutt, John W.

Navarro, Eugene M., New York, N. Y. Milk bottle holder. 2,549,510, Apr. 17.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Bostick, Winston H.
McLaughlin, Dean B., and Perkins.
Rapuano, Robert A.
Rosenberg, Paul.
Straus, Henry A., Getting, and Chu.

Neal, Robert A., and L. F. Cummings, Media, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Jet engine fuel nozzle holder and mounting. 2,548,904, Apr. 17.

Nells, J., Lumber Company, assignee: *See*—
Rathert, Walter H., and Wilson.

Neilson, Alan C.: *See*—
Miller, Earle C., and Neilson.

Nelson, Evan H., Harrow Weald, and E. B. Power, Kenton, England, assignors to General Electric Company. Electric discharge lamp. 2,549,328, Apr. 17.

Nelson, Franklin S., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Receiver for hearing aids. 2,549,629, Apr. 17.

Nelson, Homer B.: *See*—
Walters, Frank J., and Nelson.

Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized carbonization. 2,549,117, Apr. 17.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Apparatus for uniform heating with electromagnetic fields. 2,549,511, Apr. 17.

Ne Smith, Woodrow, Dodge, Nebr., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,548,997, Apr. 17.

Netherly, George P.: *See*—
Cross, Bert S., and Netherly.

Neumann-Lezius, Hans, and E. Wilberg, assignors to Brunsviga Maschinenwerke Aktiengesellschaft, Brunswick, Germany. Punctuating device for registers. 2,549,512, Apr. 17.

New, Mary W., Alexandria, Va. Surgical bandage for the arm, shoulder, and clavicle. 2,549,703, Apr. 17.

Newby, Thomas H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Vulcanized rubber and preserving same. 2,549,118, Apr. 17.

New York Rubber Corporation, assignee: *See*—
Harris, Herschel G., and Davis.

Nicolle, Charles, Gentilly, France. Making packages having removable and replaceable lids. 2,549,513, Apr. 17.

Niebuhr, Clayton J., Dearborn, Mich. Barrel maker for toy barrels. 2,549,329, Apr. 17.

Niedermayer, Egon: *See*—
List, Hans, and Niedermayer.

Niles, Irving F., Shaker Heights, assignor to Harris-Seybold Company, Cleveland, Ohio. Pile feeder. 2,549,630, Apr. 17.

Noble Company, assignee: *See*—
Noble, Jack D.

Noble, Jack D., assignor to Noble Company, Oakland, Calif. Aggregate batcher by weight. 2,549,704, Apr. 17.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Photographic light unit. 2,549,330, Apr. 17.

Norando Mines, Limited, assignee: *See*—
Clark, Charles W.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Chair structure. 2,549,119, Apr. 17.

Norquist, Glenn H., Jamestown, N. Y. Rotary cutter for grooving laminated plywood. 2,549,631, Apr. 17.

North & Judd Manufacturing Company, The, assignee: *See*—
Brown, Alexander M.

Northrop Aircraft, Inc., assignee: *See*—
Ashkenas, Irving L.
Ashkenas, Irving L., and Feeney.
Fishbein, Meyer, and Stevenson.
Michael, Harold E.

Norton Company, assignee: *See*—
Moule, Rex E.

Nottingham, Ralph B., Cleveland, Ohio, assignor to G. T. L. Staar. Reader for the blind. 2,549,632, Apr. 17.

Oakhill, Frederic E., Wilmette, assignor to Prismacolor, Inc., Chicago, Ill. Film feeding means for printing machines. 2,548,998, Apr. 17.

Odenweller, Keith H., Winfield, Kans., and R. L. Steinberger, Alexandria, Va. Pulsating sound generator. 2,548,905, Apr. 17.

Oertel, Carl H., Baltimore, Md. Dental cuspidor provided with saliva shield. 2,549,514, Apr. 17.

Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Cold-reducing tubular sections. 2,549,705, Apr. 17.

Oil-Rite Corporation, assignee: *See*—
Davis, Ernest W.

Oliver, Edwin L., Piedmont, assignor to Oliver United Filters Incorporated, Oakland, Calif. Continuous industrial filter. 2,548,999, Apr. 17.

Oliver United Filters Incorporated, assignee: *See*—
Oliver, Edwin L.

Orey, Millard, and J. R. Chapin, Salem Oreg. Wrench having pivoted handle and removable socket. 2,549,515, Apr. 17.

Orla-Jensen, Sigurd, Copenhagen, Denmark. Cheese production. 2,549,331, Apr. 17.

Ormsby, Arwin E., assignor to L. M. Ormsby, Oakland, Calif. Crane. 2,549,120, Apr. 17.

Ormsby, Lucienne M., assignee: *See*—
Ormsby, Arwin E.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Mixer. 2,549,121, Apr. 17.

Osterhof, Harold J., assignor to Wingfoot Corporation, Akron, Ohio. Packaging in stretched film. 2,549,122, Apr. 17.

Osterhof, Harold J., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for packaging articles. 2,549,123, Apr. 17.

Ostrander, Dezelle, South San Francisco, Calif. Wick-feeding means for applicators of cosmetics and the like. 2,549,227, Apr. 17.

Ostrander, Dezelle, South San Francisco, Calif. Key holder. 2,549,228, Apr. 17.

Oswald, John, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Fender construction. 2,549,124, Apr. 17.

Ottmar, Jerome, assignor to Metals & Controls Corporation, Attleboro, Mass. Gas burner ignition and safety control system. 2,549,633, Apr. 17.

Ottoson, Oscar, New York, N. Y. Holder for double-edged razor blades. 2,549,229, Apr. 17.

Owens, Jesse C., Los Angeles, Calif. Siphonic flushing apparatus. 2,549,383, Apr. 17.

Owler, Robert N.: *See*—
Mosher, Chester L., and Owler.

Oxygen Arc Equipment Co. Inc., assignee: *See*—
Barbeck, Peter.

Ozalid Company Limited, assignee: *See*—
Blick, Frank.

Pabst Brewing Company, assignee: *See*—
Hoogerheide, Johannes C., and Laughery.

Pacific Lumber Company, The, assignee: *See*—
Thompson, Clarence L.

Package Machinery Company, assignee: *See*—
Palmer, Charles E.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Bottom hole separator. 2,549,706, Apr. 17.

Page Oil Tools Inc., assignee: *See*—
Page, John S.

Palmer, Charles E., Glenview, Ill., assignor, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass. Apparatus for applying adhesive to box blanks and the like. 2,549,000, Apr. 17.

Palsson, Magnus P., Wenatchee, Wash. Bedclothes holder. 2,549,001, Apr. 17.

Para, John W., Elizabeth, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Fountain pen. 2,548,906, Apr. 17.

Parke, Davis & Company, assignee: *See*—
Wagner, Romeo B., and Moore.

Parker, Davis J., assignee: *See*—
Potts, Myrle A.

Parker, Marvin L., Detroit, Mich. Micrometer adjustment for lathe stops. 2,549,332, Apr. 17.

Parody, Aubrey J., Astoria, N. Y. Device for automatically adjusting the diaphragm openings of cameras. 2,549,230, Apr. 17.

Parry, Robert E., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Structural unit and manufacture. 2,549,516, Apr. 17.

Parsons Corporation, assignee: *See*—
Parsons, John T., and Brogren.

Parsons, John T., and E. R. Brogren, Traverse City, assignors, by mesne assignments, to Parsons Corporation, Detroit, Mich. Fixture for use in assembling structural parts upon a rotor blade spar. 2,549,002, Apr. 17.

Parsons, Lloyd V., Seattle, Wash. Layout and measuring device. 2,549,634, Apr. 17.

Parva Products Company, assignee: *See*—
White, Paul W., and Schutz.

Paton, Clyde R., Bloomfield Village, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 2,549,125, Apr. 17.

Paxton, William A., assignee: *See*—
Troden, Augustus C., and Hall.

Pearson, Marcus H., Springville, Ala. Regulator for flow of material from a hopper. 2,549,126, Apr. 17.

Peckat, Charles, Manufacturing Co., assignee: *See*—
Squiers, Max C.

Peerless Sewing Machine Company, Inc., assignee: *See*—
Chinnici, Michael.

Peoples, James A., Jr.: *See*—
Hartman, William C., Peoples, and Hull.

Perkins, Alfred G., Grand Island, N. Y. Alarm device for milking machines. 2,549,231, Apr. 17.

Perkins, Gerald S.: *See*—
McLaughlin, Dean B., and Perkins.

Perry, Stephen F., Roselle, N. J., assignor to Standard Oil Development Company. Combined selective adsorption-catalytic cracking process. 2,549,518, Apr. 17.

Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Thermostatic switch. 2,549,517, Apr. 17.

Petersen, Carroll, Hammond, Ind. Chain cutting machine. 2,549,519, Apr. 17.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, Wirtel, and Pettingill.

Pettingill, Owen H.: *See*—
De Groote, Melvin, Wirtel, and Pettingill.

Pew, Donald D., assignor to Stopall Waterproofing Manufacturers Inc., Kalamazoo, Mich. Wood waterproofing composition. 2,549,127, Apr. 17.

Pfeiffer, John H., Ambler, assignor to Philco Corporation, Philadelphia, Pa. Lid stay. 2,549,128, Apr. 17.

Philco Corporation, assignee: *See*—
Pfeiffer, John H.

Phillips Petroleum Company, assignee: *See*—
Gilmore, Forrest E.
Robinson, Sam P.

Phillips, Virgil R., Campbellsville, Ky. Strap-suspended hopper combining a second hopper, with means to vary the flow of seed from a discharge common to both hoppers. 2,549,233, Apr. 17.

Philpott, La Verne R., Washington, D. C. Sweep system. 2,548,907, Apr. 17.

Pickett, Jewell L., Hannibal, Mo. Carrier accessory for vehicles. 2,549,129, Apr. 17.

Pierce, Bernard N., Avon, assignor to The Merrow Machine Company, Hartford, Conn. Needle carrier. 2,549,232, Apr. 17.

Pineles, Bernard M.: *See*—
Brophy, John J., Pineles, and Putnam.

Pintak, Joseph C., Fairview, N. J. Wheel attachment for sleds. 2,549,003, Apr. 17.

Pittman, Ralph R., North Little Rock, Ark. Fused switch. 2,549,635, Apr. 17.

Pittsburgh Plate Glass Company, assignee: *See*—
Kunzl, Andrew E.

Plummer, Philo G., Wasco, Ill. Fire escape. 2,549,707, Apr. 17.

Polk Development Company, The, assignee: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Sr., Miami, and Ralph Polk, Jr., assignors to The Polk Development Company, Tampa, Fla. Sectionizing citrus fruits. 2,549,333, Apr. 17.

Pollen, Charles F., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Port end construction for open-hearth furnaces. 2,548,908, Apr. 17.

Pomeroy, Theodore M., Jr., Pelham, N. Y., and J. R. Graves, Ellicott City, Md., assignors to The American Sugar Refining Company, New York, N. Y. Packing machine. 2,549,004, Apr. 17.

Ponsy, Louis E.: *See*—
Bessierè, Pierre E., and Ponsy.

Poor & Company, assignee: *See*—
Chester, Allan E.
Gallagher, John J.
Ruppert, Max K.

Post, Durrel E., Gates Mills, Ohio. Chance controlled game board apparatus with cards and dice. 2,549,708, Apr. 17.

Potter, Manley C.: *See*—
Graybrook, Herbert W., and Potter.

Potter, Manley C., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor alternator control system. 2,549,334, Apr. 17.

Potts, Myrle A., Parma Heights, assignor of thirty-three and one-third per cent to P. C. Potts and thirty-three and one-third per cent to D. J. Parker, Parma, Ohio. Rack construction for roasters. 2,549,709, Apr. 17.

Potts, Paul C., assignee: *See*—
Potts, Myrle A.

Powder Weld Process Company, The, assignee: *See*—
Wiese, Randolph A.

Power, Ernest B.: *See*—
Nelson, Evan H., and Power.

Power Jets (Research and Development) Ltd., assignee: *See*—
Hawthorne, William R.

Preckel, Ralph F., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Large grain smokeless powder. 2,549,005, Apr. 17.

Prichard, William, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of substituted cyclic ketones. 2,549,520, Apr. 17.

Prismacolor, Inc., assignee: *See*—
Oakhill, Frederic E.

Pritchard, Gordon J., Halewood, Liverpool, assignor to Ward Blenkinsop & Company Limited, London, England. Manufacture of derivatives of di-substituted methane compounds. 2,549,710, Apr. 17.

Productive Inventions, Inc., assignee: *See*—
Klug, Charles W.
Smulski, Theodore J.

Propst, Roy B., Los Angeles, Calif. Foldable wreath-forming foundation. 2,549,006, Apr. 17.

Puffer, Edward M., Calmar, Iowa. Motor vehicle window screen. 2,549,234, Apr. 17.

Purdy, Rolland M., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Speed responsive coupling. 2,549,748, Apr. 17.

Pure Oil Company, The, assignee: *See*—
Christy, Anker L.

Purifoy, George R.: *See*—
Graybrook, Herbert W., and Purifoy.

Putnam, Robert C.: *See*—
Brophy, John J., Pineles, and Putnam.

Putnam, Thomas M.: *See*—
Hamilton, Joseph G., Putnam, and Wiens.

Quincy, William S., Jr.: *See*—
Kester, Robert E., and Quincy.

Raber, Walter D., Chicago, Ill. Artificial teeth. 2,549,636, Apr. 17.

Radecki, Michael J., Hamden, and J. A. Krolikowski, assignors to The Henry G. Thompson & Son Company, New Haven, Conn. Band saw machine. 2,549,384, Apr. 17.

Radio Corporation of America, assignee: *See*—
Carlson, Wendell L.
Carlson, Wendell L., and Harvey.
Dixon, Lewis W.
Epstein, David W.
Hegyi, Imre J.
Reinhold, Leonard F.
Rosencrans, Charles A.
Schrader, Harold J.
Shenk, Eugene R., and Canfora.
Spencer, James A., and Reinhold.
Whittenberg, Hubert H.

Radio Frequency Laboratories, Inc., assignee: *See*—
Yonkers, William A.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well packer plugging apparatus. 2,549,007, Apr. 17.

Rahthus, Max, Brooklyn, N. Y. Ornamental chain. 2,549,335, Apr. 17.

Ramp, Charles K., Louisville, Ky., and E. F. Vilter, Milwaukee, Wis. Grinding tool. 2,549,521, Apr. 17.

Ramsey, James C., Lincoln, N. Mex. Interlocked multiplate arrowhead construction. 2,549,235, Apr. 17.

Rapuano, Robert A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Test set for radar apparatus. 2,549,385, Apr. 17.

Rasaka, Lawrence J., and J. R. Gaines, Sacramento, Calif.; said Gaines assignor to said Rasaka. Corer with depth gauge. 2,549,008, Apr. 17.

Rasmussen, Olaf, Port Clinton, Ohio. Safety razor. 2,549,130, Apr. 17.

Rathbun, Harold J.: *See*—
Griffes, Milton W., and Rathbun.

Rathert, Walter H., Kilckitat, and C. A. Wilson, Glenwood, Wash., assignors to J. Neils Lumber Company, Portland, Oreg. Log bucking chain saw. 2,549,230, Apr. 17.

Rau, Earl W., Tacoma, Wash. Cover for poultry drinking troughs. 2,549,237, Apr. 17.

Rawlins, Herbert L., Pittsburgh, and J. M. Wallace, Braddock, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,549,336, Apr. 17.

Reasor, Gerald L., Chicago, Ill. Removal of spent wood chips from extractors used in rosin recovery processes. 2,549,522, Apr. 17.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Self-contained, speed-varying countershaft unit. 2,549,637, Apr. 17.

Reeves Pulley Company, assignee: *See*—
Reeves, Paul B.

Reigh, Clarence J., Altoona, Pa. Folding paper. 2,549,386, Apr. 17.

Reinhold, Leonhard F.: *See*—
Spencer, James A., and Reinhold.

Reinhold, Leonhard F., Great Kills, N. Y., assignor to Radio Corporation of America. Code disk assembly and ball bearing therefor. 2,549,009, Apr. 17.

Reinke, Karl L., Oak Park, Ill. Heating system and apparatus. 2,549,238, Apr. 17.

Relsch, George J., Stratford, Conn., assignor to General Electric Company. Electric fan. 2,549,523, Apr. 17.

Relson, Morris, assignee: *See*—
Tawney, Gerald L.

Republic Flow Meters Company, assignee: *See*—
Wenzel, Alfred C.

Research Corporation, assignee: *See*—
Seiberlich, Joseph.

Reveres Copper and Brass Incorporated, assignee: *See*—
Kennedy, James M., Lee, and Knight.

Rhodes, Albert, Cleveland, Ohio. Replaceable insert for valves. 2,549,010, Apr. 17.

Rice, Warren A.: *See*—
Marmont, George H., and Rice.

Rich, Barrett G., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Vehicle radiator and engine mounting. 2,549,524, Apr. 17.

Richeson, Sanford E., Brooklyn, N. Y., assignor of one-third to L. C. Huber, Ridgewood, N. J., and one-third to J. A. Allegro, Maspeth, N. Y. Safety pressure cooker. 2,549,387, Apr. 17.

Rideout, Vincent C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radar equipment testing system. 2,549,131, Apr. 17.

Riemer, Eno, assignee: *See*—
Keihl, Ernest F. W., Jr.

Riley Stoker Corporation, assignee: *See*—
Miller, Earle C., and Neilson.

Rivers, Hubert M., Philadelphia, Pa., assignor to Hall Laboratories, Inc. Method and apparatus for effecting self-regulated partial condensation of condensable vapors. 2,549,388, Apr. 17.

Robbiati, Giordano, Milan, Italy, assignor to O. Colcaire, Detroit, Mich., and A. R. Wilson, Washington, D. C. Coffee maker. 2,549,132, Apr. 17.

Roberts, Kenneth C., assignor to The Anchor Chemical Company Limited, Clayton, Manchester, England. Manufacture of extreme pressure additives for lubricating oils. 2,549,525, Apr. 17.

Robertshaw-Fulton Controls Company, assignee: *See*—
Brown, Dan A.

Robertson, David S., Santa Monica, and L. J. Highfield, assignors to Textile Handling Equipment Co., Los Angeles, Calif. Apparatus for handling rolls of sheet material. 2,549,239, Apr. 17.

Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Control point setting and indicating adjustment means for pneumatic controllers. 2,549,011, Apr. 17.

Robinson, Floyd W., assignee: *See*—
Taylor, Clyde C.

Robinson, James D., Memphis, Tenn. Liquid distributing device and dosing means therefor. 2,549,012, Apr. 17.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Acetylene manufacture. 2,549,240, Apr. 17.

Robles, Enrique, and M. J. Sloyan, Nogales, Ariz. Sectional container. 2,549,013, Apr. 17.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Roggbe, John C., Upper Montclair, N. J. Scaffold. 2,549,638, Apr. 17.

Rohm & Haas Company, assignee: *See*—
Kunin, Robert.

Romeyn, Hendrik, Jr., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Treatment of cellulosic fibers. 2,549,014, Apr. 17.

Rorive, Arille, Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux, (Rhone), France. Adjustable gearing. 2,549,241, Apr. 17.

Rosenberg, Paul, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sine wave potentiometer. 2,549,389, Apr. 17.

Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna switching system. 2,549,639, Apr. 17.

Ross, Ronald E., Long Island City, N. Y. Collapsible combination screen and table. 2,549,242, Apr. 17.

Roud, Gust, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Grid structure for refrigerators. 2,549,015, Apr. 17.

Rounds, Gale A., assignor of one-half to I. E. Landstrom, Rapid City, S. Dak. Clasp for bracelets. 2,549,016, Apr. 17.

Rowe, Stewart, Cincinnati, Ohio, assignor, by mesne assignments, to Buckeye Cotton Oil Company, Memphis, Tenn. Recovery of vegetable protein. 2,549,526, Apr. 17.

Rowell, Howard P.: *See*—
Uline, William A., and Rowell.

Ruben, Zorro D., Tucson, Ariz. Axial type fluid power unit. 2,549,711, Apr. 17.

Rudenauer, Arthur R., Cleveland, Ohio. Phonograph record cutting mechanism. 2,549,390, Apr. 17.

Ruff, Alonzo W., New York, N. Y. Boiler construction. 2,549,640, Apr. 17.

Ruppert, Max K., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor securing means. 2,549,527, Apr. 17.

Russell, Harry J., assignor to Baker & Co., Inc., Newark, N. J. Orthodontic device. 2,549,528, Apr. 17.

Russell, William J., Newington, assignor to Landers, Frary & Clark, New Britain, Conn. Pressure cooker closure fastener. 2,549,243, Apr. 17.

Ryden, Laurence L., assignor to The Dow Chemical Company, Midland, Mich. Producing lamellar polystyrene particles. 2,548,909, Apr. 17.

Rylander, Bernhard U., Enskede, assignor to Svenska Skofabriksntforeningen, Stockholm, Sweden. Manufacturing clicker dies. 2,548,910, Apr. 17.

Saffir, Jacob A., Kew Gardens, assignor to The Dentists' Supply Company of New York, New York, N. Y. Coating compositions containing glass fibers. 2,549,017, Apr. 17.

Salathiel, Richard A.: *See*—
Morgan, Bryan E., and Salathiel.

Salomon, François M. M. B., Paris, France, vested in the Attorney General of the United States. Oscillations reducing device. 2,548,911, Apr. 17.

Sanders, Walter F.: *See*—
Stevens, Clifton C., and Sanders.

Sandlin, Alfred V., Corpus Christi, Tex. Magnetic chip collector for grinders. 2,549,529, Apr. 17.

Sanjo Utility Manufacturing Co., assignee: *See*—
Schwartz, William.

San Lorenzo Nursery Company, assignee: *See*—
Shinoda, Daniel S.

Sarlo, Tony, Pueblo, Colo. Automobile storage compartment accessory. 2,549,018, Apr. 17.

Saucier, Everald J., Hartford, Conn. Hair curler. 2,549,530, Apr. 17.

Saunders, Arthur, Norfolk, Va. Roasting device. 2,549,019, Apr. 17.

Savage, Reuben T., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Process of and apparatus for converting hydrocarbon material. 2,548,912, Apr. 17.

Scapillati, John B.: *See*—
Marshall, Gordon W., and Scapillati.

Schlicksupp, Theodore F., Long Island City, N. Y. Waffle baking machine. 2,549,531, Apr. 17.

Schrader, Harold J., Haddonfield, N. J., assignor to Radio Corporation of America. Display of three-dimensional information. 2,549,641, Apr. 17.

Schramm, Alfred H.: *See*—
Auth, Charles G., and Schramm.

Schreiner, Edmund D., Washington, D. C., and B. Howland, La Fayette, Ind. Radio receiver with logarithmic response circuit. 2,548,913, Apr. 17.

Schuett, Henry, Algonquin, Ill. Surveying instrument. 2,549,244, Apr. 17.

Schultz, Walter P., Saginaw, Mich. Clutch and brake for power-transmitting mechanisms. 2,549,245, Apr. 17.

Schur, Raymond R.: *See*—
DiRosa, Stephen P.

Schutz, Joseph J.: *See*—
White, Paul W., and Schutz.

Schwartz, William, Long Island City, assignor to Sanjo Utility Manufacturing Co., New York, N. Y. Automobile attachable coat hanger support. 2,549,712, Apr. 17.

Schwartzberg, Jack: *See*—
Katz, Benne, and Schwartzberg.

Schweikher, Ernest W.: *See*—
Bell, Henderson M., III, and Schweikher.

Schweitzer, Carl E.: *See*—
Gresham, William F., and Schweitzer.

Schweitzer, Erich, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Disk record feed mechanism. 2,549,246, Apr. 17.

Scott, Edwin D., Plymouth, assignor to Ford Motor Company, Dearborn, Mich. Hood support and lock. 2,549,133, Apr. 17.

Scott, Wayne A., Saunemin, Ill. Drive transmitting device. 2,549,247, Apr. 17.

Scott, William H., Rochester, N. Y. Game scoring device. 2,549,248, Apr. 17.

Seabury, Donald S., Boston, Mass., W. D. Buckingham, and C. R. Deibert, Southampton, assignors to The Western Union Telegraph Company, New York, N. Y. Drawing filled tantalum tubes. 2,549,249, Apr. 17.

Seaman, Joseph W., Kennett Square, Pa., assignor to General Electric Company. Thermal and manual snap-action circuit breaker. 2,549,532, Apr. 17.

Secord, Henry J., Los Angeles, Calif. Automobile bracket. 2,549,391, Apr. 17.

Seelig, Richard P., Elmhurst, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Press with vibrating die for forming powder metal blanks. 2,549,642, Apr. 17.

Seewer, Paul W., Rugby, assignor to The English Electric Company Limited, London, England. Hydraulic valve. 2,549,337, Apr. 17.

Seiberlich, Joseph, Durham, N. H., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Preparing cellulose for subsequent treatment with sodium hydroxide. 2,549,713, Apr. 17.

Seifter, Joseph: *See*—
Bruce, William F., and Seifter.

Seiter, Eugene D.: *See*—
Gooding, Chester M., Morrill, and Seiter.
Morrill, Elliott, Seiter, and Gooding.

Seiter, Eugene D., Jersey City, N. J., C. M. Gooding, Staten Island, N. Y., and E. Morrill, Oak Park, Ill., assignors to The Best Foods, Inc., New York, N. Y. Color and stain removers for fabrics. 2,548,914, Apr. 17.

Seldon, Mark R., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic speed controller. 2,549,020, Apr. 17.

Servel, Inc., assignee: *See*—
Roud, Gust.

Setchell, Barton T., St. Paul, Minn. Radio chassis mounting construction. 2,549,021, Apr. 17.

Sevold, Boyd J., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric match and explosion initiator containing the same. 2,549,533, Apr. 17.

Shaback, Andrew J., assignor to Electric Service Manufacturing Co., Philadelphia, Pa. Lamp socket having leaf spring contacts. 2,549,134, Apr. 17.

Shand & Jurs Company, assignee: *See*—
Denham, John J.
Jurs, Albert E., Jr.

Shaner, Anthony, and J. C. Hampson, assignors to Falls Spring & Wire Company, Detroit, Mich., and Great Lakes Spring Corporation, Chicago, Ill. Machine for making spring liners. 2,549,338, Apr. 17.

Shannon, Lon, assignor to Essaness Patents, Gold Beach, Oreg. Reversible rotary pump. 2,549,714, Apr. 17.

Shell Development Company, assignee: *See*—
Evans, Theodore W., and Morris.
Fetterly, Lloyd C.
Kemmerer, Harold R.
Watson, Forrest J.

Shenk, Eugene R., and A. E. Canfora, Brooklyn, N. Y., assignors to Radio Corporation of America. Integrating counter circuit. 2,549,022, Apr. 17.

Shepherd, Allan D.: *See*—
Graham, Robert P., and Shepherd.

Sheridan, Esther L., New York, N. Y. Liquid containing toy rattle. 2,549,392, Apr. 17.

Sherman, Floyd A., Cleveland, Ohio, assignor to Whizzer Motor Company, Pontiac, Mich. Alternating-current generator. 2,549,135, Apr. 17.

Shinoda, Daniel S., Hayward, assignor to San Lorenzo Nursery Company, Los Angeles, Calif. Container for cut flowers. 2,549,023, Apr. 17.

Shivell, Homer J., and P. J., Kingsport, Tenn. Loom picker. 2,549,394, Apr. 17.

Shivell, Philip J.: *See*—
Shivell, Homer J., and P. J.

Shore, Louis L., Cleveland, Ohio. Dental articulator. 2,549,339, Apr. 17.

Short, Charles A., Sr., Stamford, Conn. Sun glare screen for attachment to rearview mirror arms. 2,549,395, Apr. 17.

Shultz, Arthur W., Sun Valley, Idaho. Ski edging. 2,549,534, Apr. 17.

Siegal, Jack, New York, N. Y. Vanity case having a member for automatically wiping clean the mirror contained in the case. 2,549,643, Apr. 17.

Siepe, Leonard J., Milwaukee, Wis. Cutter guide attachment for forming machines. 2,549,024, Apr. 17.

Siesel, Josephine M., executrix: *See*—
Siesel, William M.

Siesel, William M., deceased, Morrisville, Pa.; J. M. Siesel, executrix of said W. M. Siesel. Fastening. 2,549,393, Apr. 17.

Sikorra, Daniel J., and D. V. Hotson, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Voltage regulator with phase splitting circuit controlled by inductive damping means. 2,549,250, Apr. 17.

Silverman, Arnold, New York, N. Y. Device for mixing materials. 2,549,644, Apr. 17.

Simmonds Aerocessories, Inc., assignee: *See*—
Isreeli, Jack, and Allen.

Simpson, Henry A., Philadelphia, and S. F. Mackelduff, Westchester, assignors, by mesne assignments, to The Lake Laboratories Co., Philadelphia, Pa. Device for sealing packages with adhesive tape. 2,549,136, Apr. 17.

Simpson, Herbert S., assignee, trustee: *See*— Horth, Walter.

Simpson, John H., County Down, Northern Ireland. Mechanical artificial hand. 2,549,716, Apr. 17.

Sisson, Kenneth O., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Sequential regulating device. 2,549,025, Apr. 17.

Six Wheels, Inc., assignee: *See*— Collender, Gustave A.

Skelly, John S., Monongahela, Pa., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Underfeed stoker, including a fuel feeder preventing fuel drag-back. 2,549,252, Apr. 17.

Skelton, Andrew C., St. Louis, Mo. Rotary cutter for planers and jointers. 2,549,251, Apr. 17.

Skidmore, Clara V., Chicago, Ill. Hanger. 2,549,026, Apr. 17.

Skooglund, Arthur C., Woodmont, Conn., assignor to Standard Oil Development Company. Glass molding lubricant. 2,549,535, Apr. 17.

Slover, Archy F., assignor to Kellte Products, Inc., Los Angeles, Calif. Removal of oxides of copper from surfaces of alloys of copper and silver. 2,549,137, Apr. 17.

Sloyan, Michael J.: *See*— Robles, Enrique, and Sloyan.

Smith, Cecil W., Waterman, Ill. Liquid fuel and air mixing and supply means for oil burners. 2,549,253, Apr. 17.

Smith, Clarence C.: *See*— Christensen, Norman V., and Smith.

Smith, John J.: *See*— Mueller, Frank H., and Smith.

Smith, McDonald D., Washington, D. C. Apparatus for making brushes. 2,549,536, Apr. 17.

Smith, S., & Sons (England), Limited, assignee: *See*— Davis, Wilfred O.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper fluid transmission connection. 2,549,027, Apr. 17.

Smyth, Harold A., assignor to Washington Veneer Company, Olympia, Wash. Vacuum hold-down for machines operating on flat stock. 2,549,254, Apr. 17.

Sniezek, John B., Detroit, Mich. Shoe heel. 2,549,340, Apr. 17.

Snodgrass, John A., Prescott, Ark. Ironing cord holder. 2,549,717, Apr. 17.

Snowden, Ward E., Modesto, Calif. Railroad car gassing device. 2,549,255, Apr. 17.

Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), assignee: *See*— Rorive, Arille.

Society "Silto," S. A., assignee: *See*— Bessiere, Pierre E., and Ponsy.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*— Clewell, Dayton H. Coonradt, Harry L., and Hartough. Hartough, Howard D., and Kosak. Lechthaler, Charles H. McLoad, Kenneth W.

Sokolik, Edward, New Brighton, Minn. Auxiliary valve for sprinkling. 2,549,537, Apr. 17.

Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. High-temperature vulcanization. 2,549,396, Apr. 17.

Sorensen, Harold K. L., Cambridge, Mass. Trawl runner. 2,548,915, Apr. 17.

Sorenson, Elsie M., Salt Lake City, Utah. Coin changer. 2,548,916, Apr. 17.

Southwest Paving Company, assignee: *See*— Ekenstam, Edward D.

Spall, Rudolph J., Detroit, Mich. Thread checking device. 2,548,917, Apr. 17.

Spang, William F., Milton, assignor to Cube Steak Machine Co., Needham Heights, Mass. Scraper unit for endless moving surfaces. 2,549,718, Apr. 17.

Spangenberg, Charles B., assignee: *See*— Buhl, Helen A. and W. E.

Sparks, Bayard P., St. James, N. Y. Stem-and-socket tool drive and adapter therefor. 2,549,397, Apr. 17.

Sparks, William J.: *See*— Young, David W., Garber, and Sparks.

Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Depolymerizing polystyrene. 2,549,538, Apr. 17.

Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Styrene-diolefin low temperature copolymers and preparation and use thereof. 2,549,539, Apr. 17.

Sparling, James, New York, N. Y. Quick-acting C-clamp. 2,549,256, Apr. 17.

Speidel Corporation, assignee: *See*— Augenstein, Karl C.

Spencer, James A., Teaneck, N. J., and L. F. Reinhold, Great Kills, N. Y., assignors to Radio Corporation of America. Impulse transmitter for electric signaling devices. 2,549,028, Apr. 17.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Speed responsive coupling. 2,549,749, Apr. 17.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Speed responsive coupling. 2,549,750, Apr. 17.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Speed responsive coupling. 2,549,751, Apr. 17.

Sperling, Ezra F., Los Angeles, Calif., assignor to Baker Perkins, Inc., Saginaw, Mich. Pan spacer. 2,549,341, Apr. 17.

Sperry Corporation, The, assignee: *See*— Ferrill, Thomas M., Jr. Hartman, William C., Peoples, and Hull. Lester, John M.

Spika, Robert A., assignee: *See*— Cox, Gerald C.

Spilky, David R., Chicago, Ill. Bun slicing machine. 2,549,540, Apr. 17.

Squiers, Max U., La Grange, Ill., assignor to Charles Peckat Manufacturing Co. Prismlike lens, particularly for viewing traffic lights. 2,549,541, Apr. 17.

Staar, Gustave T. L., assignee: *See*— Nottingham, Ralph B.

Stair, Carlyle B., Glendale, Calif. Razor blade holder. 2,549,542, Apr. 17.

Stalder, William D., Newhall, Calif. Fishing reel of the tiltable spool type. 2,549,029, Apr. 17.

Standard Oil Development Company, assignee: *See*— Atkinson, Phillip S. Camp, John M. Cashman, Edward P., and Lieber. Morgan, Bryan E., and Salathiel. Mottern, Henry O. Nelson, Karl J. Perry, Stephen F. Skooglund, Arthur C. Sparks, William J., and Young. Wilson, Samuel W. Young, David W., Garber, and Sparks.

State College of Washington Research Foundation, assignee: *See*— Dana, Homer J.

Staunt, Martin, Des Plaines, Ill. Golf ball retriever. 2,549,257, Apr. 17.

Steghart, Fritz L., St. Albans, assignor to Tinsley (Industrial Instruments) Limited, London, England. Method and apparatus for pasteurizing liquids. 2,549,342, Apr. 17.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Executive's and secretary's trunk connective intercommunication and signal system. 2,549,719, Apr. 17.

Stein, Irving M., and A. J. Williams, Jr., Philadelphia, and W. R. Clark, Abington, assignors to Leeds and Northrup Company, Philadelphia, Pa. Multipoint recorder. 2,549,401, Apr. 17.

Stein, James H., Toms River, N. J. Vertical indicator. 2,548,918, Apr. 17.

Steinberger, Raymond L.: *See*— Odenweller, Keith H., and Steinberger.

Stelz, Frank F., Lakewood, N. J., assignor of one-half to M. Hixon, New York, N. Y. Speech correction device. 2,549,398, Apr. 17.

Sterling Drug Inc., assignee: *See*— Archer, Sydney.

Stevens, Clifford E., Glen Ridge, assignor to Stevens Products Inc., East Orange, N. J. Loud-speaker diaphragm. 2,549,138, Apr. 17.

Stevens, Clifford E., Glen Ridge, assignor to Stevens Products Inc., East Orange, N. J. Cone diaphragm for loud-speakers. 2,549,139, Apr. 17.

Stevens, Clifton C., Wells, Maine, and W. F. Sanders, assignors to Mountain Brake and Engineering Corporation, Tacoma, Wash. Hydraulic brake. 2,548,919, Apr. 17.

Stevens Products Inc., assignee: *See*— Stevens, Clifford E.

Stevenson, Lawrence J.: *See*— Flshbein, Meyer, and Stevenson.

Stewart, Duncan J., Rockford, Ill., assignor to the United States of America as represented by the Secretary of War. Gunfire director. 2,549,030, Apr. 17.

Stoiner, Stephen, Cleveland, Ohio. Cushion sole. 2,549,343, Apr. 17.

Stopall Waterproofing Manufacturers Inc., assignee: *See*— Pew, Donald D.

Stover, Fred N., Los Angeles, Calif. Foam making and dispensing means. 2,549,258, Apr. 17.

Strassburger, Julius H., Steubenville, Ohio, assignor to National Steel Corporation. Method of and apparatus for regulating blast furnace top temperature. 2,549,720, Apr. 17.

Strathmore Paper Company, assignee: *See*— Davidson, Paul B.

Straus, Henry A., Brookline, I. A. Getting, Belmont, and L. J. Chu, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna system of variable directivity and high resolution. 2,549,721, Apr. 17.

Strickland, Royce M., New Haven, Conn., assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass. Thread-cutting tool with retirable chasers. 2,549,543, Apr. 17.

Strike, George N., Los Angeles, Calif. Moisture-extracting hydraulic press. 2,549,344, Apr. 17.

Strommen, Einar A., Merrick, assignor to Dictograph Products Company, Inc., New York, N. Y. Radio tuner for hearing aid apparatus. 2,549,259, Apr. 17.

Sudbury, Sherman E., Chicago, Ill. Staple extracting device. 2,549,260, Apr. 17.

Sullivan, Roy W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Calcium sulfate-extended titanium dioxide pigments. 2,549,261, Apr. 17.

Sulzer Freres, Societe Anonyme, assignee: *See*— Huber, Walter.

Supreme Knitting Machine Co., Inc., assignee: *See*— Mishcon, Samuel, Aguinek, and Mishcon.

Svendsen, Sidney O., assignor to Glenn Berry, Birmingham, Mich. Counterbalancing mechanism for overhead track doors. 2,549,140, Apr. 17.

Svenska Skofabriksantforeningen, assignee: *See*— Rylander, Bernhard U.

Swank, Inc., assignee: *See*— Bagnall, Joseph C., Jr.

Sweet, H. C., Company, assignee: *See*— Sweet, Harold C., and Chilman.

Sweet, Harold C., and W. A. Chilman, assignors to H. C. Sweet Company, Detroit, Mich. Line marking device. 2,549,722, Apr. 17.

Sylvan, Joseph, Berkley, Mich. Window and screen assembly. 2,549,031, Apr. 17.

Sylvania Electric Products Inc., assignee: *See*— Baker, Harold E., and Young.

Tamboli, Jamshed K., Bombay, India. Hydraulically cushioned and adjustable steering wheel. 2,549,345, Apr. 17.

Tarex S. A., assignee: *See*— Rodmer, Ernest.

Tawney, Gereld L., Hempstead, assignor of sixty per cent to Atlantic Electronics Corporation, Port Washington, and forty per cent to M. Nelson, Great Neck, N. Y. Electrode for diathermy apparatus or the like. 2,549,399, Apr. 17.

Taylor, Clyde C., Santa Ana, assignor to K. Wade and F. W. Robinson, Garden Grove, Calif. Combined turning and thread-cutting device. 2,549,141, Apr. 17.

Taylor Forge & Pipe Works, assignee: *See*— Taylor, James H.

Taylor, James H., Oak Park, assignor to Taylor Forge & Pipe Works, Chicago, Ill. Machine for and method of making spiral pipes. 2,549,032, Apr. 17.

Taylor, Samuel K., Cleveland Heights, Ohio. Picker stick check. 2,549,262, Apr. 17.

Tendall, Orville E., Hopkins, assignor of one-half to S. L. Tendall, Northfield, Minn. Fire alarm system. 2,549,645, Apr. 17.

Tendall, Severt L., assignee: *See*— Tendall, Orville E.

Tessier, Julien, Clamart, France. Margining device for use in positive printing. 2,549,544, Apr. 17.

Texas Company, The, assignee: *See*— Crumrine, Kenneth C.

Texas Company, The, assignee: *See*— Miliendorf, Alfred J., Naragon, and Vergilio.

Textile Handling Equipment Co., assignee: *See*— Robertson, David S., and Highfield.

Thatcher, James L., Sharpes, Fla. Ironing board. 2,549,723, Apr. 17.

Thibiéroz, Laurent, Paris, France. Writing table. 2,549,545, Apr. 17.

Thomas, Albert G., Lynchburg, Va. Photographic electrical copying device. 2,549,546, Apr. 17.

Thomas, Claude L., Yuba City, Calif. Fluid drive pump and transmission unit. 2,549,646, Apr. 17.

Thomas Hydraulic Speed Controls, Inc., assignee: *See*— Thomas, John R.

Thomas, John R., assignor to Thomas Hydraulic Speed Controls, Inc., Wichita, Kans. Variable pressure-responsive torque control for hydraulic clutches. 2,548,920, Apr. 17.

Thompson, Clarence L., assignor to The Pacific Lumber Company, San Francisco, Calif. Well drilling composition. 2,549,142, Apr. 17.

Thompson, Donald, Missoula, Mont. Dental instrument sharpener. 2,549,263, Apr. 17.

Thompson, Henry G., & Son Company, The, assignee: *See*— Radecki, Michael J., and Krolikowski.

Time, Inc., assignee: *See*— Moe, William W.

Timmins, Leo H., Montreal, Quebec, assignor to Chromium Mining and Smelting Corporation, Ltd., Sault Ste. Marie, Ontario, Canada. Electrical contact coupling for liquid cooled cable. 2,549,264, Apr. 17.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,549,724, Apr. 17.

Tinnerman Products, Inc., assignee: *See*— Tinnerman, George A.

Tinsley (Industrial Instruments) Limited, assignee: *See*— Steghart, Fritz L.

Tinus, William C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave broadcast antenna. 2,549,143, Apr. 17.

Toast-O-Lator Co., Inc., assignee: *See*— Goodard, Alvin C.

Toledo Scale Company, assignee: *See*— Gilchrist, Fred W. Williams, Lawrence S. Wood, George R.

Tormo, Mel G., Woodside, N. Y. Pipe hanger. 2,549,346, Apr. 17.

Tornberg, Ingvar E., Ridgewood, N. J. Extrusion apparatus. 2,549,400, Apr. 17.

Transmission & Gear Company, The, assignee: *See*— Gerst, Chris.

Trant, James L., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Reversible split-phase motor. 2,549,265, Apr. 17.

Trask, Allen, Chicago, Ill. Humidity control system. 2,549,547, Apr. 17.

Trimedge, Incorporated, assignee: *See*— Bonnell, William L.

Troden, Augustus C., Grosse Pointe, and N. Hall, Detroit, Mich., assignors, by mesne assignments, of one-half to said Troden and one-half to W. A. Paxton. Camp trailer structure. 2,549,266, Apr. 17.

Truscott, John P., assignor to Wingfoot Corporation, Akron, Ohio. Molding apparatus and removing creep from rubber. 2,549,144, Apr. 17.

Tung-Sol Lamp Works, Inc., assignee: *See*— Bakanau, Frank E.

Turenne, Wilfred J., Fayville, Mass. Conductor and compressible insert connector means therefor. 2,549,647, Apr. 17.

Turnbull, Frederick M., assignee: *See*— Brown, Frank E.

Tweddell, John A.: *See*— Armstrong, Norman F., and Tweddell.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Apparatus for feeding powdered material. 2,549,033, Apr. 16.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Welding generator. 2,549,648, Apr. 17.

Uline, William A., and H. P. Rowell, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Electrical terminal block. 2,549,725, Apr. 17.

Underwood Corporation, assignee: *See*— Lentz, Lawrence E. Wise, Elmer L.

Union Special Machine Company, assignee: *See*— Christensen, Norman V., and Smith.

Union Switch & Signal Company, The, assignee: *See*— Van Horn, James J. Young, Henry S. Fereday, Frederick T., Sr.

United Aircraft Corporation, assignee: *See*— Martin, Erle. Seldon, Mark R.

United-Carr Fastener Corporation, assignee: *See*— Coyle, William J. Woodward, Clement A.

United Shoe Machinery Corporation, assignee: *See*— Brophy, John J., Pineles, and Putnam.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*— Benner, Roland G. Hamilton, Joseph G., Putnam, and Wiens. Johnson, Kenneth C.

United States Rubber Company, assignee: *See*— Hurt, Victor H. Newby, Thomas H. Romeyn, Hendrik Jr.

Universal Chain Co. Inc., assignee: *See*— Weinacker, Hermann, and Dieterich.

Universal Oil Products Company, assignee: *See*— Brown, Kenneth M. Brown, Kenneth M., and Johnstone. Chenicek, Joseph A.

Upjohn Company, The, assignee: *See*— Heinzelmann, Richard V.

Vacuum Concrete, Inc., assignee: *See*— Billner, Karl P.

Vagtborg, Harold A., Chicago, Ill. assignor to Armour Research Foundation of Illinois Institute of Technology. Electrical musical instrument. 2,549,145, Apr. 17.

Vanderbilt, R. T., Company, Inc., assignee: *See*— Somerville, Albert A.

Van der Heiden, Arnoldus L., Amersfoort, Netherlands. Machine for manufacturing buttons out of plate material. 2,549,034, Apr. 17.

Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic detecting means for protecting operation of railway track switches and the like. 2,549,146, Apr. 17.

Van Hove, Desire H., Northville, Mich. Colostomy receptacle. 2,549,649, Apr. 17.

Van Liew, Delora M., Spokane, Wash. Hem line marker. 2,549,267, Apr. 17.

Van Toll, John, Chicago, Ill. Combination pipe and lighter. 2,549,726, Apr. 17.

Van Toll, John, Chicago, Ill. Combination pipe and lighter. 2,549,727, Apr. 17.

Van Tuyl, John E., Cleveland, Ohio. Gaseous fuel burner and flame spreader. 2,549,347, Apr. 17.

Vapor Heating Corporation, assignee: *See*—
Clarkson, Allck.

Vergilio, Joseph H.: *See*—
Millendorf, Alfred J., Naragon, and Virgilio.

Viewmaster Corp., assignee: *See*—
Friess, Albert H.

Villines, Elbert S., Lakin, Kans. Acidizing gas wells. 2,549,728, Apr. 17.

Vilter, Ernest F.: *See*—
Ramp, Charles K., and Vilter.

Volk, Joseph A., Wilton, Conn. Recording weight and price scale. 2,549,752, Apr. 17.

Von Platen Baltzar C., assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,548,921, Apr. 17.

Von Zimmermann, Max K., Trenton, N. J. System for automatically transmitting and receiving telephone messages. 2,549,548, Apr. 17.

Vossberg, Carl A., Jr., Lynbrook, N. Y. X-ray measuring system. 2,549,402, Apr. 17.

Wade, Kenneth, assignee: *See*—
Taylor, Clyde C.

Wagner, Arthur C., Rochester, N. Y. Colostomy pouch and protector. 2,549,348, Apr. 17.

Wagner, Romeo B., State College, Pa., and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Preparation of steroidal hydroxy ketones. 2,548,922, Apr. 17.

Wahlstrom, Norman R., Los Angeles, Calif. Storage rack. 2,549,349, Apr. 17.

Waldorf Paper Products Company, assignee: *See*—
Dunning, Robert M.

Wall, James R., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing aluminum trihydrate. 2,549,549, Apr. 17.

Wallace, James M.: *See*—
Rawlins, Herbert L., and Wallace.

Wallace, James M., Bradlock, and W. L. Metz, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,549,350, Apr. 17.

Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration-operated transistor. 2,549,550, Apr. 17.

Wallny, John G., Landskrona, Sweden. Endless belt filter. 2,549,729, Apr. 17.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grid electrode structure and manufacturing method therefor. 2,549,551, Apr. 17.

Walters, Bruce G., Elsinore, Calif. Portable knife grinder for woodworking machines. 2,549,147, Apr. 17.

Walters, Frank J., and H. R. Nelson, U. S. Navy. Rotary cleaning tool. 2,548,923, Apr. 17.

Walton, Alfred L., Blackpool, England. Appliance for use in sharpening safety razor blades. 2,549,148, Apr. 17.

War, United States of America as represented by the Secretary of, assignee: *See*—
Africano, Alfred.
Grisamore, Nelson T., and Kosslakoff.
Preckel, Ralph F.
Stewart, Duncan J.

Warner Electric Brake & Clutch Company, assignee: *See*—
Mason, James A.

Warner & Swasey Company, The, assignee: *See*
Hudson, Thomas J.

Washburn, John M., West Hartford, assignor to The Merrow Machine Company, Hartford, Conn. Needle carrier wiping means. 2,549,268, Apr. 17.

Washburn, John M., West Hartford, assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine presser-foot mechanism. 2,549,269, Apr. 17.

Washington Veneer Company, assignee: *See*—
Smyth, Harold A.

Wassarman, Moses, Milford, Mass. Glider-type garment hanger. 2,549,730, Apr. 17.

Waterous Company, assignee: *See*—
Wilhelm, Edward A.

Watson, Ernest A., assignor to Joseph Lucas Limited, Birmingham, England. Controlling the supply of liquid fuel to internal-combustion prime movers. 2,549,552, Apr. 17.

Watson, Forrest J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Lubricant and hydraulic fluid composition. 2,549,270, Apr. 17.

Wattley, Vincent E., Bronx, N. Y. Flexible test prod. 2,549,731, Apr. 17.

Waugh Equipment Company, assignee: *See*—
Berman, Samuel.

Weaver, Welcome L., Huntington, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of polymerized polyester resin materials of superior water resistance and electrical properties. 2,549,732, Apr. 17.

Weichselbaum, Joseph J., assignee: *See*—
Curry, John G.

Weinacker, Herman, Short Hills, and F. A. Dieterich, assignors to Universal Chain Co. Inc., Maplewood, N. J. Ornamental chain for bracelets or necklaces. 2,549,650, Apr. 17.

Weinberg, Sidney H., Jr., Baldwin, N. Y., assignor to Basson's Picture Framing Co., Inc. T-square and drawing board. 2,549,403, Apr. 17.

Weir, Alfred D., Dallas, Tex. Roll film photographic camera. 2,548,924, Apr. 17.

Weisgerber, Cyrus A., assignor to Hercules Powder Company, Wilmington, Del. Pyridine preparation. 2,549,651, Apr. 17.

Wennerbo, Erik, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Record changing phonograph. 2,549,272, Apr. 17.

Wenzel, Alfred C., assignor to Republic Flow Meters Company, Chicago, Ill. Combustion control apparatus. 2,549,733, Apr. 17.

Western Union Telegraph Company, The, assignee: *See*—
Harris, Robert W.
Seabury, Donald S., Buckingham, and Delbert.

Westinghouse Electric Corporation, assignee: *See*—
Benedict, Marcus C.
Crabbs, Herbert J.
Darwin, Daniel P.
Graybrook, Herbert W., and Potter.
Graybrook, Herbert W., and Purifoy.
Haller, Clayton L.
Hill, Charles F., and Foster.
Leighton, Alexander H.
Neal, Robert A., and Cummings.
Potter, Manley C.
Rawlins, Herbert L., and Wallace.
Wallace, James M., and Metz.

Wheeler, Phillip R., Alexandria, Va. Gun sight. 2,548,925, Apr. 17.

White, Carl E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Drawbar pickup. 2,549,734, Apr. 17.

White, Clarence J., Morton, Ill. Floral rack. 2,549,352, Apr. 17.

White, John E.: *See*—
Miley, Albert M., and White.

White, Paul G., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Time delay control. 2,549,149, Apr. 17.

White, Paul W., West Haven, and J. J. Schutz, New Haven, Conn., assignors to Parva Products Company, Chicago, Ill. Buckle. 2,549,735, Apr. 17.

White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Mitterway, Philip F.

White, William J., Coxsackie, N. Y. Radiator ball air relief valve. 2,549,035, Apr. 17.

Whitfield, Harold R.: *See*—
Crown, William H., and Whitfield.

Whittaker, Henry C., Memphis, Tenn. Safety device for hydraulic brakes. 2,549,351, Apr. 17.

Whizzer Motor Company, assignee: *See*—
Sherman, Floyd A.

Wienke, Emil J., Glen Ellyn, assignor to Motiograph, Chicago, Ill. Tension shoe member for film sprockets. 2,549,271, Apr. 17.

Wiens, Jacob H.: *See*—
Hamilton, Joseph G., Putnam, and Wiens.

Wier, S. Austin, assignee: *See*—
Bryan, Carroll W.

Wiese, Randolph A., assignor to The Powder Weld Process Company, New York, N. Y. Apparatus for flame spraying. 2,549,736, Apr. 17.

Wiesner, Harold J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electropolishing. 2,549,737, Apr. 17.

Wigan, Edmund R., Barnham, England. Thermionic valve oscillator and amplifier. 2,549,553, Apr. 17.

Wilberg, Ernest-Eberhard: *See*—
Neumann-Lezius, Hans, and Wilberg.

Wild, Henry, Surveying Instruments Supply Co. Ltd., assignee: *See*—
Bertele, Ludwig.

Wilhelm, Edward A., assignor to Waterous Company, St. Paul, Minn. Universal gear case for rotary pumps. 2,549,652, Apr. 17.

Williams, Albert J., Jr.: *See*—
Stein, Irving M., Williams, and Clark.

Williams, Harold W., Pawling, N. Y. Bottle stopper. 2,549,404, Apr. 17.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale. 2,549,273, Apr. 17.

Williamson James M.: *See*—
Jack, Delbert E., and Williamson.

Willis, Maurice B., Haddonfield, N. J., assignor of one-third to C. C. Morrison, and one-third to R. Kubach, Philadelphia, Pa. Printing device for producing graphs, prints, or the like. 2,549,150, Apr. 17.

Willoughby, Anthony H., Garston, Watford, England, assignor to General Electric Company. Circuits for operating electrical discharge devices. 2,549,353, Apr. 17.

Wilson, Arthur R., assignee: *See*—
Robbaiti, Giordano.

Wilson, Charles A.: *See*—
Rathert, Walter H., and Wilson.

Wilson, Nolan E., Homer, La. Fish lure. 2,549,354, Apr. 17.

Wilson, Ronald M., Ambler, assignor to William M. Wilson's Sons, Inc., Lansdale, Pa. Tank supporting cradle device. 2,549,554, Apr. 17.

Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, Wilmington, Del. Control apparatus for steam locomotives. 2,549,653, Apr. 17.

Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of ammonia from butadiene-ammonia mixture. 2,549,555, Apr. 17.

Wilson's, William M., Sons, Inc., assignee: *See*—
Wilson, Ronald M.

Winborn, Byron R., Jr., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Rotary drum and shaft assembly. 2,549,274, Apr. 17.

Wingfoot Corporation, assignee: *See*—
Osterhof, Harold J.
Truscott, John P.

Winninghoff, Wilford J., Cleveland Heights, Ohio, assignor to General Electric Company. Fluorescent lamp. 2,549,355, Apr. 17.

Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, as trustee. Transmission. 2,549,738, Apr. 17.

Wirtel, Arthur F.: *See*—
De Groote, Melvin, Wirtel, and Pettingill.

Wirtz, Kenneth U.: *See*—
Cope, Frank T., and Wirtz.

Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Register control locking means for accounting machines. 2,549,739, Apr. 17.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,549,036, Apr. 17.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,549,037, Apr. 17.

Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. Gas tube control. 2,549,654, Apr. 17.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Flow indicator. 2,549,276, Apr. 17.

Wood, George R., assignor to Toledo Scale Company, Toledo, Ohio. Coffee mill. 2,549,275, Apr. 17.

Woodbury, Clifford A.: *See*—
Fassnacht, Hartwell H., and Woodbury.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Tuning indicator for radios and the like. 2,549,655, Apr. 17.

Wu, Kenneth S.-K., Ames, Iowa. Forward and reverse gearing for tractors. 2,549,715, Apr. 17.

Wuischpard, Lucien C., Long Hill, assignor to Casco Products Corporation, Bridgeport, Conn. Cyclometer clock and carry-over mechanism. 2,549,556, Apr. 17.

Wyandotte Chemicals Corporation, assignee: *See*—
Bacon, Leslie R., and Conklin.

Wyeth Incorporated, assignee: *See*—
Bruce, William F., and Seifter.

Wysong, Ansel S., assignor to A. S. Wysong and J. M. Maltby, Long Beach, Calif., as trustees. Piston construction. 2,549,277, Apr. 17.

Yancey, John R., Houston, Tex. Dull bit indicator. 2,549,278, Apr. 17.

Yancho, Daniel: *See*—
Yancho, Zolton and D.

Yancho, Zolton and D., Essex, Md. Differential drive turbine type fluid coupling. 2,549,557, Apr. 17.

Yerrick, William D., and S. Holm, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Radial brush seal for heat exchangers. 2,549,656, Apr. 17.

Yonkers, William A., Mountain Lakes, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Thermostatic switch. 2,549,740, Apr. 17.

Young, Charles A.: *See*—
Baker, Harold E., and Young.

Young, David W.: *See*—
Sparks, William J., and Young.

Young, David W., Roselle, J. D. Garber, Cranford, and W. J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company. Asphalt resin compositions. 2,549,558, Apr. 17.

Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Control apparatus for centralized traffic control systems of the code type for single track railroads. 2,549,151, Apr. 17.

Young, Thomas R., Bonnyrigg, Scotland. Pipe joint. 2,549,741, Apr. 17.

Yoxall, John, Detroit, Mich., assignor to National Steel Corporation. Heating furnace. 2,549,742, Apr. 17.

Yvelin, Charles, Vernon, France. Vaporizing type liquid fuel burner. 2,549,279, Apr. 17.

Zaenkert, Frederick A., Green Hills, assignor to The Cincinnati Butchers' Supply Corporation, Cincinnati, Ohio. Lubricant recovery for cutting machines and the like. 2,549,657, Apr. 17.

Zalkind, Philip, New York, N. Y. Roller bearing for collapsible containers. 2,549,356, Apr. 17.

Žďchynec, Tomáš: *See*—
Fiala, Jaroslav, and Žďchynec.

Zenner, Raymond E., Brookfield, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Winding and reeling mechanism. 2,549,038, Apr. 17.

Zimmermann, Siegfried J., Wallersee, near Salzburg, Austria, assignor to Internationale Aktiengesellschaft für Gassynthesen, Vaduz, Liechtenstein. Preserving mixed food. 2,549,743, Apr. 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Color photographic material and producing same. B. Gaspar. Re. 23,357, Apr. 17.
Engine starter drive. P. L. Schneider, D. W. Nighbert, and H. J. Cromwell. Re. 23,359, Apr. 17.
Producing increased refrigeration. W. H. Reed and W. A. Pennington. Re. 23,358, Apr. 17.
Transmission control. R. B. Aspinwall. Re. 23,356, Apr. 17.

LIST OF DESIGN INVENTIONS

Apron. M. Porter. 162,984, Apr. 17.
Apron in the form of a puppet, Child's. H. Savron. 162,994, Apr. 17.
Ash tray. R. C. Dixon. 162,937, Apr. 17.
Ash tray. D. H. Wasson. 163,005, Apr. 17.
Bar, Extendable and portable. C. J. Zeman. 163,013, Apr. 17.
Barbecue machine. J. S. Francks. 162,946, Apr. 17.
Basket or the like, Berry. H. G. Long and M. D. Youker. 162,967, Apr. 17.
Bicycle. H. W. Kranz. 162,964, Apr. 17.
Blouse, Knitted slipover adjustable neckline. J. Hayward. 162,953, Apr. 17.
Boot or similar article. J. E. Hard. 162,952, Apr. 17.
Bottle closure or the like. W. Satz. 162,993, Apr. 17.
Bowl or similar article, Sugar. R. Dopera. 162,938, Apr. 17.
Box, Jewelry. M. Weill. 163,006, Apr. 17.
Box or similar article, Ring. W. B. Petzold. 162,983, Apr. 17.
Box, Ring. N. Barbieri. 162,923, Apr. 17.
Bracelet or the like, Expansible. S. Meyerson. 162,973, Apr. 17.
Bracket for supporting kitchen articles. B. H. Ives. 162,958, Apr. 17.
Brush, scraper, and powder adapter, Combined denture. C. D. Ehrman. 162,941, Apr. 17.
Building. C. R. Perkins. 162,982, Apr. 17.
Cabinet, Combined radio-phonograph and television. S. E. Adler. 162,920, Apr. 17.
Cap or similar article. R. Krieger. 162,965, Apr. 17.
Carrier, Collapsible bottle. W. A. Ringler. 162,988, Apr. 17.
Chucking machine, Single spindle automatic. A. E. Drissner. 162,939, Apr. 17.
Clock. G. W. Nelson. 162,976, Apr. 17.
Clockcase. L. I. Bruce. 162,929, Apr. 17.
Comb. J. W. Killinger and M. C. Demis. 162,962, Apr. 17.
Console. W. J. O'Connor. 162,979, Apr. 17.
Container and cooking utensil, Combination food merchandising. M. W. Wishnick. 163,011, Apr. 17.
Container, Sifting. C. C. B. Gowland. 162,949, Apr. 17.
Desk and bookcase, Combination. A. Bloom. 162,927, Apr. 17.
Deveiner, Shrimp. W. F. W. Becherer. 162,924, Apr. 17.
Device for displaying axes or other articles of merchandise. D. E. Berkowitz. 162,925–6, Apr. 17.
Display stand or similar article, Merchandise. F. Westermacher. 163,007, Apr. 17.
Door control. H. L. F. Nettleton and W. J. Milestan. 162,977, Apr. 17.
Dress. R. Feintuch. 162,943, Apr. 17.
Dress. B. Hurwitz. 162,957, Apr. 17.
Dress. M. Verrand. 162,999–163,000, Apr. 17.
Dress ensemble. B. Hurwitz. 162,956, Apr. 17.
Dress ensemble. M. Verrand. 163,001, Apr. 17.
Dress or like article of feminine apparel. L. M. Cooper. 162,936, Apr. 17.
Flash gun, Photographic. F. J. Rizzatti. 162,989, Apr. 17.
Frame, Goggle. H. G. Tietje. 126,998, Apr. 17.
Frame or similar article, Spectacle. I. Hirschman. 162,955, Apr. 17.
Frame, Spectacle. J. C. Foster. 162,945, Apr. 17.
Glove. R. H. Iligier. 162,954, Apr. 17.
Grinder, Food. H. J. Talge. 162,997, Apr. 17.
Grip or the like, Garment. H. F. Burnham. 162,932, Apr. 17.
Heater, Gas. F. M. MacDougall. 162,969, Apr. 17.
Holder, Bottle. A. B. Janes and G. V. Zaccardo. 162,959, Apr. 17.
Holder or similar article, Powder can. G. W. Emmert. 162,942, Apr. 17.
Holder, Soap. R. Aitken. 162,921, Apr. 17.
Holder, Toothbrush. F. E. Neumann. 162,978, Apr. 17.
Inoculator or similar article, Poultry and livestock. A. B. Willson. 163,008, Apr. 17.
Machine for making and storing ice cubes. T. T. Lunde. 162,968, Apr. 17.
Medal. C. A. Morris. 162,975, Apr. 17.
Pin cushion or similar article. R. Haon. 162,951, Apr. 17.
Protector, Automobile headlight. W. J. Flajole. 162,944, Apr. 17.
Rack, Table. R. J. Olson. 162,981, Apr. 17.
Rack, Towel. A. Marchand. 162,971, Apr. 17.
Rattle, Child's. J. Goodman. 162,947, Apr. 17.
Razor, Disposable. E. E. Chambers. 162,933, Apr. 17.
Recorder or the like, Synchronous magnetic. L. H. Roos and W. T. Crespinel. 162,991, Apr. 17.
Roaster. K. H. Johnston. 162,960, Apr. 17.
Rosary. A. B. Kimball. 162,963, Apr. 17.
Serving unit, Liquid. J. F. Punzak. 162,985–6, Apr. 17.
Shirt. R. D. Gwynn. 162,950, Apr. 17.
Shoe. J. Sandler. 162,992, Apr. 17.
Shoe or similar article. R. T. Wiseman. 163,009, Apr. 17.
Signal, Warning. D. C. Britton. 162,928, Apr. 17.
Slicing machine. P. M. Sivertsen. 162,996, Apr. 17.
Slipper, Evening. R. T. Wiseman. 163,010, Apr. 17.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 162,995, Apr. 17.
Soda fountain. W. S. Connell. 162,934–5, Apr. 17.
Sole, Shoe. L. W. Yaggi. 163,012, Apr. 17.
Spraying device, Portable. H. R. Rich. 162,987, Apr. 17.
Stand. W. G. Roeder. 162,990, Apr. 17.
Stove backguard. D. P. O'Keefe. 162,980, Apr. 17.
Stove, Cooking. J. R. Morgan and M. H. Boldt. 162,974, Apr. 17.
Sunglasses or similar article, Pair of. J. Auchter. 162,922, Apr. 17.
Tablecloth, Lace. T. Waldman. 163,003–4, Apr. 17.
Toy animal figure, Inflatable. R. C. Drury. 162,940, Apr. 17.
Toy cable car. T. Lewy. 162,966, Apr. 17.
Toy gun. J. Goodman. 162,948, Apr. 17.
Tray, Compartmented refrigerator. E. B. Buckles. 162,931, Apr. 17.
Vaporizer. W. A. Brukoff. 162,930, Apr. 17.
Wall pocket, pin cushion, calendar, and hanger for pot holders, Combined. C. Maroma. 162,972, Apr. 17.
Washing machine. W. O. Manley. 162,970, Apr. 17.
Watch. B. S. Katz. 162,961, Apr. 17.
Wrench, Adjustable ratchet. C. Volkheimer. 163,002, Apr. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene manufacture. S. P. Robinson. 2,549,240, Apr. 17.
Acidizing gas wells. E. S. Villines. 2,549,728, Apr. 17.
Activated carbon, Manufacture of. J. W. Donegan. 2,549,298, Apr. 17.
Actuator for thermally responsive control devices. D. A. Brown. 2,548,941, Apr. 17.
Acyclic polyfluorinated olefins and their preparation. G. H. Denison, Jr., and A. Goldschmidt. 2,549,580, Apr. 17.
Additives for lubricating oils, Manufacture of extreme pressure. K. C. Roberts. 2,549,525, Apr. 17.
Adhesive tape, Pressure-sensitive. W. Kellgren. 2,548,980, Apr. 17.
Adjustable garment hanger. L. W. McClain. 2,549,500, Apr. 17.
Aggregate batcher by weight. J. D. Noble. 2,549,704, Apr. 17.
Air filter. R. L. Brown. 2,548,942, Apr. 17.
Air purifier and circulator. W. J. Harshbarger. 2,549,087, Apr. 17.
Alarm device for milking machines. A. G. Perkins. 2,549,231, Apr. 17.
Alcohols, Preparation of. R. E. Brooks. 2,549,416, Apr. 17.
Aligner for recording machines, Paper. H. M. Fleming. 2,549,187, Apr. 17.
Alkoxyalkyl esters of iodo-alkoxy substituted phenyl acetic acids. S. Archer. 2,548,852, Apr. 17.
Alpha-methylacrolein, Preparation of. W. F. Gresham. 2,549,457, Apr. 17.
Alternating-current generator. F. A. Sherman. 2,549,135, Apr. 17.
Aluminum trihydrate, Producing. J. R. Wall. 2,549,549, Apr. 17.
Ampoule, Syringe. F. E. Brown. 2,549,417, Apr. 17.
Anchor plate, Strap. J. P. Mierzwa. 2,548,993, Apr. 17.
Anchor, Tapeline. W. R. Brennan. 2,549,287, Apr. 17.
Anchorage of toilet fixtures. C. J. Angelone. 2,549,357, Apr. 17.
Anhydride synthesis. W. F. Gresham and R. E. Brooks. 2,549,453, Apr. 17.
Animal trap. C. Grossi. 2,549,080, Apr. 17.
Antenna, Microwave broadcast. W. C. Tinus. 2,549,143, Apr. 17.
Antenna system of variable directivity and high resolution. H. A. Straus, I. A. Getting, and L. J. Chu. 2,549,721, Apr. 17.
Apparatus and method for preserving products in sealed containers. W. M. Martin. 2,549,216, Apr. 17.
Apparatus for applying adhesive to box blanks and the like. C. E. Palmer. 2,549,000, Apr. 17.
Apparatus for feeding powdered material. J. M. Tyrner. 2,549,033, Apr. 17.
Apparatus for flame spraying. R. A. Wiese. 2,549,736, Apr. 17.
Apparatus for forming buttonholes. E. A. De Marco. 2,549,294, Apr. 17.
Apparatus for handling rolls of sheet material. D. S. Robertson and L. J. Highfield. 2,549,239, Apr. 17.
Apparatus for knitting striped fabric. S. Mishcon, H. Agulnek, and L. Mishcon. 2,549,701, Apr. 17.
Apparatus for making brushes. M. D. Smith. 2,549,536, Apr. 17.
Apparatus for making fluorophotometric measurements. H. L. Condiff. 2,549,574, Apr. 17.
Apparatus for marking strands. E. K. Bauer. 2,548,856, Apr. 17.
Apparatus for marking tags. A. K. Marsh. 2,549,107, Apr. 17.
Apparatus for packaging articles. H. J. Osterhof. 2,549,123, Apr. 17.
Apparatus for scalding poultry. H. E. Drews. 2,549,070, Apr. 17.
Apparatus for the continuous treatment of liquiform comestibles. W. E. Conley, Jr. 2,549,575, Apr. 17.
Apparatus for the extrusion of pipe. J. A. Hjulian. 2,549,686, Apr. 17.
Apparatus for treating articles. W. Colburn and E. J. Latos. 2,548,948, Apr. 17.
Apparatus for uniform heating with electromagnetic fields. R. B. Nelson. 2,549,511, Apr. 17.
Appliance for use in sharpening safety razor blades. A. L. Walton. 2,549,148, Apr. 17.
Applicator for ion traps. L. Hopps. 2,549,602, Apr. 17.
Arrowhead construction, Interlocked multiplate. J. C. Ramsey. 2,549,235, Apr. 17.
Article spacing means. N. F. Armstrong and J. A. Tweddell. 2,549,281, Apr. 17.
Articulated grain car door. A. J. Ferrell and P. J. McEnroe, Jr. 2,549,301, Apr. 17.
Articulator, Dental. L. L. Shore. 2,549,339, Apr. 17.
Artificial hand, Mechanical. J. H. Simpson. 2,549,716, Apr. 17.
Artificial hand with worm and gear drive to thumb. M. Fishbein and L. J. Stevenson. 2,549,074, Apr. 17.
Artificial molar teeth. R. O. Dickson. 2,548,956, Apr. 17
Artificial teeth. W. D. Raber. 2,549,636, Apr. 17.
Ash tray for chair arms, Built-in tubular. C. L. Mosher and R. N. Owler. 2,549,114, Apr. 17.
Asphalt resin compositions. D. W. Young, J. D. Garber, and W. J. Sparks. 2,549,558, Apr. 17.
Attaching decorative panels to wall surfaces. S. D. Bosco. 2,549,164, Apr. 17.
Attachment for fishing poles, Signal. L. G. Leyda. 2,549,694, Apr. 17.
Attachment for flatirons, Ruffle ironing. E. R. Lowe. 2,549,319, Apr. 17.
Attachment for forming machines, Cutter guide. L. J. Siepe. 2,549,024, Apr. 17.
Attachment for sleds, Wheel. J. C. Pintak. 2,549,003, Apr. 17.
Attachment for vehicles, Jack. G. W. Marshall and J. B. Scapiliati. 2,549,321, Apr. 17.
Automatic change-over valve. P. S. Atkinson. 2,549,409, Apr. 17.
Automatic electromagnetic switch. E. and C. A. McMullen. 2,549,323, Apr. 17.
Automatically operable snap-acting switch. E. J. Dillman. 2,548,877, Apr. 17.
Automobile attachable coat hanger support. W. Schwartz. 2,549,712, Apr. 17.
Automobile bracket. H. J. Secord. 2,549,391, Apr. 17.
Automobile clothes hanger support. R. R. McPherson. 2,548,992, Apr. 17.
Awning. J. Ferfort. 2,549,302, Apr. 17.
Awning, Ventilated. C. G. Hunter. 2,549,201, Apr. 17.
Axle suspension, Wheeled. M. E. Makin. 2,549,320, Apr. 17.
Bag bladder, Striking. J. P. Hayes. 2,549,197, Apr. 17.
Baking machine, Waffle. T. F. Schlicksupp. 2,549,531, Apr. 17.
Bale tie. E. F. W. Keibl, Jr. 2,549,206, Apr. 17.
Ball-and-socket coupling. A. T. C. Dear. 2,549,178, Apr. 17.
Ball-bearing mounting. F. M. Amos. 2,549,154, Apr. 17.
Ball cock. E. V. Anderson. 2,549,041, Apr. 17.
Bandage for the arm, shoulder, and clavicle, Surgical. M. W. New. 2,549,703, Apr. 17.
Bar construction, Sectionalized bus. W. Mayer. 2,548,986, Apr. 17.
Barn. C. S. Ash. 2,549,155, Apr. 17.
Barrel maker for toy barrels. C. J. Niehuhr. 2,549,329, Apr. 17.
Bathing cap. V. H. Hurt. 2,549,376, Apr. 17.
Bearing construction. L. Brendel. 2,549,659, Apr. 17.
Bedclothes holder. M. P. Palsson. 2,549,001, Apr. 17.
Belt, Braided driving. P. F. Mitterway. 2,549,382, Apr. 17.
Beryllium target and manufacture. J. G. Hamilton, T. M. Putnam, and J. H. Wiens. 2,549,596, Apr. 17.
Biochemical production of enzymes. J. C. Hoogerheide and E. G. Laughery. 2,549,465, Apr. 17.
Bit: *See*—
Coring and crushing bit.
Blending apparatus. A. L. Christy. 2,549,169, Apr. 17.
Block: *See*—
Electrical terminal block.
Blower for spinning frames, Dust and lint. L. Y. Herren. 2,549,601, Apr. 17.
Blower with combined air cleaner. A. S. Chipley. 2,548,945, Apr. 17.
Board: *See*—
Ironing board.
Boat, Folding. L. O. Bergman. 2,549,412, Apr. 17.
Boiler construction. A. W. Ruff. 2,549,640, Apr. 17.
Bore sight. L. H. Brown. 2,548,861, Apr. 17.
Bore sight. R. S. Cranmer. 2,548,871, Apr. 17.
Bottle stopper, Nondrip dispensing. A. Moy. 2,549,225, Apr. 17.
Bottom hole separator. J. S. Page. 2,549,706, Apr. 17.

Box: *See*—
Foldable box.
Bracket: *See*—
Automobile bracket.
Brake: *See*—
Hydraulic brake.
Brake cooling system, Friction. J. A. Mason. 2,549,217, Apr. 17.
Breaking petroleum emulsions. M. deGroote, A. F. Wirtel, and O. H. Pettingill. 2,549,434-9, Apr. 17.
Buckle. P. W. White and J. J. Schurz. 2,549,735, Apr. 17.
Burner: *See*—
Vaporizing type liquid fuel burner.
Burner and flame spreader, Gaseous fuel. J. E. Van Tuyl. 2,549,347, Apr. 17.
Burner assembly, Gas. A. Clarkson. 2,549,427, Apr. 17.
Burner for liquid fuels. W. Huber. 2,549,092, Apr. 17.
C-clamp, Quick-acting. J. Sparling. 2,549,256, Apr. 17.
Cabin pressure control. B. E. Del Mar. 2,549,672, Apr. 17.
Cabin pressure control. W. B. Klemperer. 2,549,690, Apr. 17.
Cable sheath slitter. E. Jaeger. 2,548,977, Apr. 17.
Cake moistener. J. P. Bishop. 2,549,161, Apr. 17.
Calcium sulfate-extended titanium dioxide pigments. R. W. Sullivan. 2,549,261, Apr. 17.
Calendar. R. M. Bryant. 2,549,418, Apr. 17.
Calipers, Combination. W. E. Frankowski. 2,548,963, Apr. 17.
Camera back. R. L. Balton. 2,549,670, Apr. 17.
Camera, Magazine. J. P. Hansen. 2,549,195, Apr. 17.
Camera, Roll film photographic. A. D. Weir. 2,548,924, Apr. 17.
Camp trailer structure. A. C. Troden and N. Hall. 2,549,266, Apr. 17.
Can with dustpan, Step-on. A. M. Campanelli. 2,549,572, Apr. 17.
Canvas seat. D. M. Foote. 2,549,679, Apr. 17.
Cap: *See*—
Bathing cap.
Cap for gas appliances, Whistling. L. O. Ellingson. 2,549,300, Apr. 17.
Capacitor. K. H. Brandt. 2,548,862, Apr. 17.
Capsule making machine and method. R. E. Moule. 2,549,327, Apr. 17.
Carbonator. J. L. Hudson. 2,549,311, Apr. 17.
Carburetion system. H. J. McLeod. 2,548,989, Apr. 17.
Carrier: *See*—
Needle carrier. Reel carrier.
Carrier accessory for vehicles. J. L. Pickett. 2,549,129, Apr. 17.
Carrier for fire extinguishers, Safety. H. C. Fowle. 2,549,680, Apr. 17.
Carrying container. H. R. Aschbrenner. 2,549,282, Apr. 17.
Carton and method, Liquidtight. F. D. Bergstein. 2,549,048, Apr. 17.
Carton, Dispensing display. H. V. Bobling. 2,549,568, Apr. 17.
Carton, Skeleton. S. Lighter. 2,548,985, Apr. 17.
Case: *See*—
Self-contained easel display case.
Case for rockets, Igniter. N. T. Grisamore and A. Kossiakoff. 2,548,972, Apr. 17.
Case having a member for automatically wiping clean the mirror contained in the case, Vanity. J. Siegal. 2,549,643, Apr. 17.
Catalytic reactor. F. E. Gilmore. 2,548,966, Apr. 17.
Cathode compensated electronic tube circuit. W. W. Moe. 2,548,901, Apr. 17.
Cation-exchange product and making same. F. A. Hessel and W. B. Canfield. 2,549,745, Apr. 17.
Cavity resonator, Tunable. E. D. McArthur. 2,549,499, Apr. 17.
Cementing apparatus, Well. L. H. Hayward. 2,549,198, Apr. 17.
Chain: *See*—
Ornamental chain. Sprocket chain.
Chain for bracelets or necklaces, Ornamental. H. Weinacker and F. A. Dieterich. 2,549,650, Apr. 17.
Chair structure. W. E. Nordmark. 2,549,119, Apr. 17.
Check arm structure. C. E. Hale. 2,549,194, Apr. 17.
Cheese production. S. Orla-Jensen. 2,549,331, Apr. 17.
Circuit: *See*—
Cathode compensated electronic tube circuit. Integrating counter circuit.
Electric pulse generating circuit. Trigger circuit.
Circuit breaker, Thermal and manual snap-action. J. W. Seaman. 2,549,532, Apr. 17.
Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,549,336, Apr. 17.
Circuit interrupter. J. M. Wallace and W. L. Metz. 2,549,350, Apr. 17.
Circuit tester, Electrical. J. D. McNabb. 2,548,991, Apr. 17.
Circuits, Filtered thyratron control. G. C. Izenour. 2,548,887, Apr. 17.
Circuits for operating electrical discharge devices. A. H. Willoughby. 2,549,353, Apr. 17.
Clamp: *See*—
Hair curl clamp.
Clamp frame press. R. H. Cowles. 2,549,429, Apr. 17.
Clasp for bracelets. G. A. Rounds. 2,549,016, Apr. 17.
Cleaner: *See*—
Cotton cleaner.
Cleaning apparatus. E. P. Anderson. 2,549,406, Apr. 17.
Cleaning apparatus. L. Durham. 2,549,181, Apr. 17.
Clip: *See*—
Electrical connecting clip. Paper and pencil clip.
Clock and carry-over mechanism, Cyclometer. L. C. Wuischpard. 2,549,556, Apr. 17.
Closure device. J. P. Beaird. 2,548,934, Apr. 17.
Closure structure, Automobile. J. W. Coles. 2,548,950, Apr. 17.
Clothes hanger. F. Fillenbaum. 2,549,588, Apr. 17.
Clutch: *See*—
Electromagnetic friction clutch.
Clutch and brake for power-transmitting mechanisms. W. P. Schultz. 2,549,245, Apr. 17.
Clutch mechanism, Multiple. C. Gerst. 2,549,078, Apr. 17.
Coating compositions containing glass fibers. J. A. Saffir. 2,549,017, Apr. 17.
Code disk assembly and ball bearing therefor. L. F. Reinhold. 2,549,009, Apr. 17.
Coffee maker. G. Robbiati. 2,549,132, Apr. 17.
Coffee mill. G. R. Wood. 2,549,275, Apr. 17.
Coin changer. E. M. Sorenson. 2,548,916, Apr. 17.
Cold-reducing tubular sections. J. W. Offutt. 2,549,705, Apr. 17.
Collet assembly. A. F. Jelinek. 2,548,978, Apr. 17.
Color and stain removers for fabrics. C. M. Gooding, E. Morrill, and E. D. Seiter. 2,548,892, Apr. 17.
Color and stain removers for fabrics. C. M. Gooding, E. Morrill, and E. D. Seiter. 2,549,079, Apr. 17.
Color and stain removers for fabrics. E. Morrill, E. D. Seiter, and C. M. Gooding. 2,549,113, Apr. 17.
Color and stain removers for fabrics. E. D. Seiter, C. M. Gooding, and E. Morrill. 2,548,914, Apr. 17.
Colostomy receptacle. D. H. Van Hove. 2,549,649, Apr. 17.
Combustion control apparatus. A. C. Wenzel. 2,549,733, Apr. 17.
Communication system for drive-in establishments. E. C. Dunn, G. L. Lowman, and H. B. Lockhart. 2,549,676, Apr. 17.
Compact, Cleansing tissue. J. G. Curry. 2,549,433, Apr. 17.
Composition for inhibiting sap stain. L. R. Bacon and D. B. Conklin. 2,549,358, Apr. 17.
Concentration of acetic acid. J. Fiala and T. Ždichynec. 2,549,587, Apr. 17.
Condensation of alkylated naphthalene with a sulfur oxyhalide in presence of Friedel-Crafts catalyst and mineral oil compositions containing same. E. P. Cashman and E. Lieber. 2,549,425, Apr. 17.
Conductor and compressible insert connector means therefor. W. J. Turenne. 2,549,647, Apr. 17.
Confections, Frozen. L. H. Burt. 2,548,865, Apr. 17.
Connection for drilling machines and the like, Feed sleeve. F. H. Mueller and J. J. Smith. 2,549,702, Apr. 17.
Connector: *See*—
Two-piece electrical connector.
Connector for wrist watches. K. C. Augenstein. 2,549,410, Apr. 17.
Connector of the clamping type, Electric cable. J. F. Conrad. 2,549,665, Apr. 17.
Construction unit, Building. N. Gabo. 2,549,189, Apr. 17.
Contacting gases and solids. W. J. Degnen and L. R. Hill. 2,548,875, Apr. 17.
Container: *See*—
Carrying container. Sectional container.
Knockdown shipping container.
Container for cut flowers. D. S. Shinoda. 2,549,023, Apr. 17.
Container vise. G. F. Heth. 2,549,084, Apr. 17.
Container with an outlet, a valved, supporting casing for said container, and a conduit from said outlet to said valve, Fluid dispensing. S. Kestenbaum. 2,549,207, Apr. 17.
Continuous industrial filter. E. L. Oliver. 2,548,999, Apr. 17.
Control apparatus. B. W. Brion. 2,548,939, Apr. 17.
Control apparatus. L. R. Koontz. 2,549,209, Apr. 17.
Control apparatus. W. No Smith. 2,548,997, Apr. 17.
Control apparatus for centralized traffic control systems of the code type for single track railroads. H. S. Young. 2,549,151, Apr. 17.
Control apparatus for steam locomotives. R. L. Wilson. 2,549,653, Apr. 17.
Control for automatic transmissions. E. J. Farkas. 2,549,073, Apr. 17.
Control mechanism. C. L. Haller. 2,549,461, Apr. 17.
Control point setting and indicating adjustment means for pneumatic controllers. J. W. Robins. 2,549,011, Apr. 17.
Control system. H. W. Graybrook and G. R. Purifoy. 2,549,304, Apr. 17.

Controlling the supply of liquid fuel to internal-combustion prime movers. E. A. Watson. 2,549,552, Apr. 17.
Controlling wing tip stall in airplanes. I. L. Ashkenas. 2,549,045, Apr. 17.
Converting hydrocarbon material, Process of and apparatus for. R. T. Savage. 2,548,912, Apr. 17.
Cooking apparatus, Continuous. G. Ashton. 2,549,283, Apr. 17.
Cooling device, Bearing. W. L. Clayton. 2,549,171, Apr. 17.
Copying device, Photographic electrical. A. G. Thomas. 2,549,546, Apr. 17.
Corer with depth gauge. L. J. Rasaka and J. R. Gaines. 2,549,008, Apr. 17.
Coring and crushing bit. J. M. Camp. 2,549,420, Apr. 17.
Corn popping machine. L. C. Gibson. 2,549,449, Apr. 17.
Cotton cleaner. A. C. Moody. 2,549,223, Apr. 17.
Counterbalancing mechanism for overhead track doors. S. O. Svendsen. 2,549,140, Apr. 17.
Countershaft unit, Self-contained, speed-varying. P. B. Reeves. 2,549,637, Apr. 17.
Coupling: *See*—
Ball-and-socket coupling. Fluid coupling.
Differential drive turbine type fluid coupling. Speed responsive coupling.
Valved coupling.
Coupling and measuring device, Ultra high frequency. M. D. Fiske. 2,549,443, Apr. 17.
Coupling for liquid cooled cable, Electrical contact. L. H. Timmins. 2,549,264, Apr. 17.
Cover for poultry drinking troughs. E. W. Rau. 2,549,237, Apr. 17.
Crane. A. E. Ormsby. 2,549,120, Apr. 17.
Cuff link with tilting head. J. C. Bagnall, Jr. 2,548,930, Apr. 17.
Curler, Hair. S. Frishberg. 2,549,446, Apr. 17.
Curler, Hair. E. J. Saucier. 2,549,530, Apr. 17.
Curtain. M. Druck. 2,548,879, Apr. 17.
Cuspidor provided with saliva shield, Dental. C. H. Oertel. 2,549,514, Apr. 17.
Cutter for grooving laminated plywood, Rotary. G. H. Norquist. 2,549,631, Apr. 17.
Cutter for planers and jointers, Rotary. A. C. Skelton. 2,549,251, Apr. 17.
Cutter for weft replenishing looms, Thread. G. C. Beatrice. 2,549,285, Apr. 17.
Cutters, shears, or the like. F. Allen. 2,549,280, Apr. 17.
Cutting machine. J. S. Idelman. 2,549,202, Apr. 17.
Cutting machine, Chain. C. Peterson. 2,549,519, Apr. 17.
Cyclic control means in selective printing machines. C. J. Hueber. 2,549,607, Apr. 17.
Cyclic ketones, Preparation of substituted. W. Prichard. 2,549,520, Apr. 17.
Cylinder, Self-adjusting hydraulic brake. H. R. Christenot. 2,548,868, Apr. 17.
Data presentation apparatus. J. M. Lester. 2,548,900, Apr. 17.
Decoder for multiple carrier pulse code modulation signals. R. L. Carbrey. 2,549,422, Apr. 17.
Decolorizing and fractionating sugar cane wax. A. W. Hixson and R. Miller. 2,548,885, Apr. 17.
Dental cement. J. De Ment. 2,549,180, Apr. 17.
Depolymerizing polystyrene. W. J. Sparks and D. W. Young. 2,549,538, Apr. 17.
Derivatives of disubstituted methane compounds, Manufacture of. G. J. Pritchard. 2,549,710, Apr. 17.
Desulfurization of hydrocarbon oils. K. M. Brown and W. W. Johnstone. 2,549,052, Apr. 17.
Detection of scattered neutrons. K. C. Crumrine. 2,549,176, Apr. 17.
Detector, Portable radiation. J. M. Constable. 2,549,058, Apr. 17.
Device for automatically adjusting the diaphragm openings of cameras. A. J. Parody. 2,549,230, Apr. 17.
Device for mixing materials. A. Silverman. 2,549,644, Apr. 17.
Device for sealing packages with adhesive tape. H. A. Simpson and S. F. Mackelduff. 2,549,136, Apr. 17.
Device for the manufacture of artificial fibers. M. D. Deboutteville. 2,549,179, Apr. 17.
Diaphragm for electroacoustic transducers. H. F. Hopkins. 2,549,091, Apr. 17.
Diaphragm for loud-speakers, Cone. C. E. Stevens. 2,549,139, Apr. 17.
Diaphragm, Loud-speaker. C. E. Stevens. 2,549,138, Apr. 17.
Diaphragm type blood pressure gauge. H. R. Bierman. 2,549,049, Apr. 17.
Differential drive for flour mill roll stands and the like. K. McClelland. 2,549,501, Apr. 17.
Differential drive turbine type fluid coupling. Z. and D. Yancho. 2,549,557, Apr. 17.
Differential temperature control switch. H. S. Burling. 2,549,054, Apr. 17.
Diffusion apparatus. W. V. Morton. 2,548,996, Apr. 17.
Digger, Transplanting. W. B. Johnson. 2,549,476, Apr. 17.
Digging machine, Ditch. E. D. Ekenstam. 2,549,183, Apr. 17.
Dioxy substituted 2-aminoindanols. R. V. Heinzelmann. 2,549,685, Apr. 17.
Discharge device, Multiswitching gaseous. W. A. Depp. 2,549,064, Apr. 17.
Dish, Combination. E. C. Erro. 2,549,440, Apr. 17.
Disk record feed mechanism. E. Schweitzer. 2,549,246, Apr. 17.
Dispenser with interconnected control cap, Tooth paste and shave cream. C. W. Kramer. 2,549,488, Apr. 17.
Dispensing device for cartons. D. W. Forsyth. 2,549,373, Apr. 17.
Display device. L. H. Blythe. 2,549,658, Apr. 17.
Display device, Watch band. R. Epstein. 2,549,369, Apr. 17.
Display of three-dimensional information. H. J. Schrader. 2,549,641, Apr. 17.
Doll and handbag, Child's. R. B. Linder. 2,549,695, Apr. 17.
Dolly, Wheel lifting. F. W. Krause. 2,549,489, Apr. 17.
Door: *See*—
Articulated grain car door. Fire retardant door.
Door check and closer. A. E. Kunzi. 2,549,611, Apr. 17.
Door driving means, Revolving. C. E. Gossling. 2,549,451, Apr. 17.
Door fastener. H. Fuchs. 2,548,964, Apr. 17.
Drain control device. O. W. Kaddatz. 2,549,204, Apr. 17.
Drawbar pickup. C. E. White. 2,549,734, Apr. 17.
Drawing filled tantalum tubes. D. S. Seabury, W. D. Buckingham, and C. R. Deibert. 2,549,249, Apr. 17.
Drill head, Multiple. T. G. Linderme. 2,549,318, Apr. 17.
Drilling composition, Well. C. L. Thompson. 2,549,142, Apr. 17.
Drive for forge hammers. T. W. Howlett. 2,549,604, Apr. 17.
Drive transmitting device. W. A. Scott. 2,549,247, Apr. 17.
Drive unit for automatic washing machines. H. D. Brotman. 2,548,940, Apr. 17.
Driving mechanism for hair clippers. H. E. Meltzer. 2,549,221, Apr. 17.
Dull bit indicator. J. R. Yancey. 2,549,278, Apr. 17.
Edge binding and counter construction for moccasins. W. A. Foster. 2,548,961, Apr. 17.
Effecting self-regulated partial condensation of condensable vapors, Method and apparatus for. H. M. Rivers. 2,549,388, Apr. 17.
Electric blanket control. G. C. Crowley. 2,549,432, Apr. 17.
Electric discharge lamp. E. H. Nelson and E. R. Power. 2,549,328, Apr. 17.
Electric power source. R. V. L. Hartley. 2,549,464, Apr. 17.
Electric pulse generating circuit. W. H. Crown and H. R. Whitfield. 2,548,953, Apr. 17.
Electrical conductor, Insulated. W. Koch. 2,549,101, Apr. 17.
Electrical connecting clip. A. A. Flynn. 2,549,589, Apr. 17.
Electrical relay. F. T. Fereday, Sr. 2,549,371, Apr. 17.
Electrical terminal block. W. A. Uline and H. P. Rowell. 2,549,725, Apr. 17.
Electrically heated table. J. E. Ball. 2,548,932, Apr. 17.
Electrode for diathermy apparatus or the like. G. L. Tawney. 2,549,399, Apr. 17.
Electroforming metal articles, Method of and apparatus for. R. M. Flandt. 2,549,678, Apr. 17.
Electrolytic stripping of nickel coatings from ferrous metals. H. M. Bell, III, and E. W. Schweikher. 2,549,411, Apr. 17.
Electromagnetic actuator. W. H. Gille. 2,548,893, Apr. 17.
Electromagnetic actuator. J. H. Johnson. 2,548,894, Apr. 17.
Electromagnetic friction clutch. E. D. Lilja. 2,549,214, Apr. 17.
Electroplating. J. M. Kennedy, H. J. Lee, and A. P. Knight. 2,549,610, Apr. 17.
Electroplating metals. A. E. Chester. 2,548,867, Apr. 17.
Electropolishing. H. J. Wiesner. 2,549,737, Apr. 17.
Elevating mechanism and brake control for refrigerator shelf frames. D. Collins. 2,549,664, Apr. 17.
Encapsulated member. C. F. Hill and N. C. Foster. 2,549,309, Apr. 17.
Endless belt filter. J. G. Walliny. 2,549,729, Apr. 17.
Engine: *See*—
Internal-combustion engine.
Engine oil filter. V. V. Mason. 2,549,698, Apr. 17.
Envelope and letter paper, Combination. N. Hodska. 2,549,199, Apr. 17.
Esters from olefinic compounds, carbon monoxide, hydrogen and organic carboxylic acids, Production of. W. F. Gresham and R. E. Brooks. 2,549,455, Apr. 17.
Evaporation cooling for horizontal piston motors. H. List and E. Niedermayer. 2,549,615, Apr. 17.
Exciter system for thyratron power inverters and the like. G. W. Demuth. 2,548,955, Apr. 17.
Exhibitor. M. Green. 2,549,452, Apr. 17.
Exhibitor member. P. and L. Hopp. 2,549,467, Apr. 17.
Extracting device, Staple. S. E. Sudbury. 2,549,260, Apr. 17.
Extraction of citrus peel. R. P. Graham and A. D. Shepherd. 2,548,895, Apr. 17.
Extractive fractionation process. L. C. Fetterly. 2,549,372, Apr. 17.
Extrusion apparatus. I. E. Tornberg. 2,549,400, Apr. 17.
Fan and assembly and disassembly. M. S. Kice, Jr. 2,549,208, Apr. 17.

Fan, Electric. G. J. Reisch. 2,549,523, Apr. 17.
Fastener: *See*—
  Door fastener.
  Pressure cooker closure fastener.
  Stovepipe fastener.
Fastening. W. M. Siesel. 2,549,393, Apr. 17.
Fastening crank to reel tooth bar tube. P. H. Harrer. 2,549,086, Apr. 17.
Fastening device. G. A. Tinnerman. 2,549,724, Apr. 17.
Fastening means, Garment. L. Ganz. 2,549,592, Apr. 17.
Faucet, Water. V. Barnett. 2,548,933, Apr. 17.
Feed nut sleeve for drills. H. T. Mackensen. 2,549,105, Apr. 17.
Feeder: *See*—
  Pile feeder.
Fender construction. J. Oswald. 2,549,124, Apr. 17.
Fender guard for pickup trucks, Rear. G. Brandt. 2,549,166, Apr. 17.
Ferrite compositions, including lithium ferrite, Mixed. I. J. Hegyi. 2,549,089, Apr. 17.
Film feeding means for printing machines. F. E. Oakhill. 2,548,998, Apr. 17.
Film, Rust preventive. J. J. Brophy, B. M. Pineles and R. C. Putnam. 2,549,050, Apr. 17.
Filter: *See*—
  Air filter.
  Continuous industrial filter.
  Endless belt filter.
  Engine oil filter.
  Fluid filter.
Filter. B. I. Blickman. 2,549,363, Apr. 17.
Filter element useful in radio circuits. W. L. Carlson and R. L. Harvey. 2,549,424, Apr. 17.
Finishing nylon fabric articles. H. G. Bell. 2,549,564, Apr. 17.
Fire alarm system. O. E. Tendall. 2,549,645, Apr. 17.
Firearm, Recoil operated. L. V. S. Blacker. 2,549,162, Apr. 17.
Fire escape. P. G. Plummer. 2,549,707, Apr. 17.
Fireplace with air-heating tubes therein. J. Borge. 2,549,365, Apr. 17.
Fire retardant door. B. Katz and J. Schwartzberg. 2,549,205, Apr. 17.
Fish bait, Weedless. C. L. Grimm. 2,549,458, Apr. 17.
Fish lure. O. A. Hansen and L. E. Cook. 2,549,463, Apr. 17.
Fish lure. N. E. Wilson. 2,549,354, Apr. 17.
Fishing lure. D. H. Garth. 2,549,077, Apr. 17.
Fishing reel of the tiltable spool type. W. D. Stalder. 2,549,029, Apr. 17.
Fishing rod. L. A. Derby. 2,549,295, Apr. 17.
Fixing particles to sheet material. B. S. Cross and G. P. Netherly. 2,548,872, Apr. 17.
Fixture for use in assembling structural parts upon a rotor blade spar. J. T. Parsons and E. R. Brogren. 2,549,002, Apr. 17.
Flashlight and signaling device, Combination. G. O. Krauss. 2,549,103, Apr. 17.
Flexibly mounted and connected vertical gas heating furnace. W. Huber. 2,549,093, Apr. 17.
Flier for textile machines. W. Hartley. 2,549,599, Apr. 17.
Floral rack. C. J. White. 2,549,352, Apr. 17.
Flow control apparatus, Automatic. J. J. Denham. 2,549,674, Apr. 17.
Flow divider apparatus for hydraulic systems and the like. J. Isreeli and G. T. Allen. 2,549,472, Apr. 17.
Flow indicator. H. H. Wolfe. 2,549,276, Apr. 17.
Fluid circulation control for fluid couplings. J. E. Becker. 2,548,857, Apr. 17.
Fluid coupling. G. B. Culbertson. 2,548,873, Apr. 17.
Fluid filter. R. S. Gaugler. 2,548,965, Apr. 17.
Fluid flow control valve. R. C. Forsnas. 2,549,188, Apr. 17.
Fluid operated valve. A. E. Jurs, Jr. 2,549,689, Apr. 17.
Fluid power unit, Axial type. Z. D. Ruben. 2,549,711, Apr. 17.
Fluidized carbonization. K. J. Nelson. 2,549,117, Apr. 17.
Fluorescent lamp. W. J. Winninghoff. 2,549,355, Apr. 17.
Fluorinating organic compounds with molten silver fluorides. R. G. Benner. 2,549,565, Apr. 17.
Flush valve. C. D. Myer. 2,549,628, Apr. 17.
Flushing apparatus, Siphonic. J. C. Owens. 2,549,383, Apr. 17.
Foam making and dispensing means. F. N. Stover. 2,549,238, Apr. 17.
Foldable box. A. J. Grossniklaus. 2,549,682, Apr. 17.
Folding paper. C. J. Reigh. 2,549,386, Apr. 17.
Folding seat. H. Enriquez. 2,549,368, Apr. 17.
Food products, Preparing baked. J. A. Gregor. 2,549,595, Apr. 17.
Frame and mounting therefor, Sink. W. L. Bonnell. 2,549,415, Apr. 17.
Free center for the tailstock of a lathe. J. W. Lee. 2,549,613, Apr. 17.
Fuel control device, Multiburner. W. A. Biermann and L. V. McCarty. 2,549,413, Apr. 17.
Fuel modifying device for internal-combustion engines. S. A. Harris. 2,549,598, Apr. 17.
Furnace: *See*—
  Flexibly mounted and connected vertical gas heating furnace.
  Heating furnace.
  Reduction furnace.
Fused switch. R. R. Pittman. 2,549,635, Apr. 17.
Gaff. V. E. Clark. 2,549,573, Apr. 17.
Game apparatus, Astrological. A. M. Lightfoot and V. M. Kelly. 2,549,495, Apr. 17.
Game board apparatus with cards and dice, Chance controlled. D. E. Post. 2,549,708, Apr. 17.
Garden hose reel. E. W. Moldovan. 2,594,224, Apr. 17.
Garment, Lady's. A. Licht. 2,549,494, Apr. 17.
Gas tube control. H. H. Wittenberg. 2,549,654, Apr. 17.
Gas turbine apparatus. M. C. Benedict. 2,548,858, Apr. 17.
Gassing device, Railroad car. W. E. Snowden. 2,549,255, Apr. 17.
Gauge: *See*—
  Diaphragm type blood pressure gauge.
  Liquid level gauge.
  Optical micrometer gauge.
Gear case for rotary pumps, Universal. E. A. Wilhelm. 2,549,652, Apr. 17.
Gear case unit for outboard motors. E. C. Kiekhaefer. 2,549,477, Apr. 17.
Gear unit for outboard motors, Underwater. E. C. Kiekhaefer. 2,549,484, Apr. 17.
Gearing, Adjustable. A. Rorive. 2,549,241, Apr. 17.
Gearing for tractors, Forward and reverse. K. S. Wu. 2,549,715, Apr. 17.
Gearing, Multiple spindle drill. G. H. Kuhl. 2,549,490, Apr. 17.
Generator: *See*—
  Alternating-current generator.
  Pulsating sound generator.
  Welding generator.
Geophone, Invertible. K. W. McLoad. 2,548,990, Apr. 17.
Glassware spotter for stackers. S. P. Clark. 2,549,663, Apr. 17.
Glaze breaker. J. R. Arthur. 2,549,043, Apr. 17.
Glider-type garment hanger. M. Wassarman. 2,549,730, Apr. 17.
Glove, Child's. H. A. and W. E. Buhl, Jr. 2,549,660, Apr. 17.
Glutamic acid, Manufacture of. W. F. Gresham and C. E. Schweitzer. 2,549,456, Apr. 17.
Glycinamides, Substituted. W. F. Bruce and J. Seifter. 2,548,863, Apr. 17.
Goggle support. A. H. Friess. 2,549,445, Apr. 17.
Golf bag club holding means. J. R. Burton, Jr. 2,549,055, Apr. 17.
Golf ball retriever. M. Staunt. 2,549,257, Apr. 17.
Grid electrode structure and manufacturing method therefor. E. J. Walsh. 2,549,551, Apr. 17.
Grid structure for refrigerators. G. Roud. 2,549,015, Apr. 17.
Grinder for woodworking machines, Portable knife. B. G. Walters. 2,549,147, Apr. 17.
Grinding tool. C. K. Ramp. 2,549,521, Apr. 17.
Grounding contact. F. E. Hutchison. 2,549,471, Apr. 17.
Guard and handle, Lamp. F. C. Kollath. 2,549,487, Apr. 17.
Guard for winch assemblies, Cable. E. F. Cline. 2,549,172, Apr. 17.
Guard, Safety razor. R. Eisenberg and H. Feuer. 2,548,959, Apr. 17.
Guide for ball flush valves. L. A. Minton. 2,549,700 Apr. 17.
Guide for electrode mounts. H. E. Baker and C. A. Young. 2,549,046, Apr. 17.
Gunfire director. D. J. Stewart. 2,549,030, Apr. 17.
Gun sight. P. R. Wheeler. 2,548,925, Apr. 17.
Hair curl clamp. H. Grison. 2,549,193, Apr. 17.
Hairpin. F. E. Hambrook. 2,548,973, Apr. 17.
Handgrip for bathtubs. T. Moore. 2,549,506, Apr. 17.
Hand weeding and cultivating tool. H. K. Johnson. 2,549,608, Apr. 17.
Hanger: *See*—
  Adjustable garment hanger.
  Clothes hanger.
  Glider-type garment hanger.
  Pipe hanger.
  Shoulder shaped dress and suit hanger.
Hanger. C. V. Skidmore. 2,549,026, Apr. 17.
Harvester, Bean. F. B. Fitch. 2,549,185, Apr. 17.
Hauling machine. A. L. C. Blondelle. 2,549,163, Apr. 17.
Heat exchanger. D. E. Jack and J. M. Williamson. 2,549,687, Apr. 17.
Heater and drier, Combination. A. T. Manacher. 2,549,106, Apr. 17.
Heating device of the hot-air type. P. E. Bessler and L. E. Ponsy. 2,549,362, Apr. 17.
Heating furnace. J. Yoxall. 2,549,742, Apr. 17.
Heating system and apparatus. K. L. Reinke. 2,549,238, Apr. 17.
Heel, Shoe. J. B. Sniezek. 2,549,340, Apr. 17.
Helicopter rotor construction. S. Apostolescu. 2,549,407, Apr. 17.
Hem line marker. D. M. Van Liew. 2,549,267, Apr. 17.
High-frequency attenuating apparatus. T. M. Ferrill, Jr. 2,548,881, Apr. 17.
High-temperature vulcanization. A. A. Somerville. 2,549,396, Apr. 17.
Hinge, Panel. H. E. Michael. 2,549,110, Apr. 17.
Holder: *See*—
  Bedclothes holder.
  Ironing cord holder.
  Key holder.
  Milk bottle holder.
  Pirn or cone holder.
  Razor blade holder.
  Toothbrush holder.
  Watch repairman's work holder.
Holder and mounting, Jet engine fuel nozzle. R. A. Neal and L. F. Cummings. 2,548,904, Apr. 17.

Holder for double-edged razor blades. O. Ottoson. 2,549,229, Apr. 17.
Holding printing plates to rotary presses. R. R. Myers, Jr. 2,549,226, Apr. 17.
Hood, Fume. H. P. Angermueller. 2,549,042, Apr. 17.
Hook: *See*—
  Tire chain hook.
Hopper containing a second hopper, with means to vary the flow of seed from a discharge common to both hoppers, Strap-suspended. A. R. Phillips. 2,549,233, Apr. 17.
Housing for outboard motors, Drive shaft. E. C. Kiekhaefer. 2,549,479, Apr. 17.
Humidity control system. A. Trask. 2,549,547, Apr. 17.
Hydraulic brake. C. C. Stevens and W. F. Sanders. 2,548,919, Apr. 17.
Hydraulic jack. J. J. Mueller. 2,548,902–3, Apr. 17.
Hydraulic valve. P. W. Seewer. 2,549,337, Apr. 17.
Hydraulically cushioned and adjustable steering wheel. J. K. Tamboli. 2,549,345, Apr. 17.
Hydrocarbon conversion process with the use of a grainy silica-alumina type catalyst. G. R. Bond, Jr. 2,548,860, Apr. 17.
Ice-making apparatus. M. G. Leeson. 2,549,747, Apr. 17.
Ignition and safety control system, Gas burner. J. Ottmar. 2,549,633, Apr. 17.
Impulse correcting repeater-selector system. C. E. Lomax. 2,549,696, Apr. 17.
Indexing mechanism for bottle dispensing machines. A. D. Brundage. 2,549,168, Apr. 17.
Indicating device for automobiles. H. H. Gordon. 2,549,450, Apr. 17.
Indicator for gearshift mechanism. L. Jacobi. 2,549,096, Apr. 17.
Indicator: *See*—
  Dull bit indicator.
  Flow indicator.
  Vertical indicator.
  Weighing scale indicator.
Indicator for radios and the like, Tuning. C. A. Woodward. 2,549,655, Apr. 17.
Inhaler for crystalline penicillin or the like. J. H. Friden. 2,549,303, Apr. 17.
Inkstand. F. Lago. 2,549,612, Apr. 17.
Insert for valves, Replaceable. A. Rhodes. 2,549,010, Apr. 17.
Instrument, Air control. E. C. Burdick. 2,548,943, Apr. 17.
Instrument, Electrical musical. H. A. Vagtborg. 2,549,145, Apr. 17.
Instrument for testing plane surfaces and rectilinear lines, Optical. B. E. A. M. Cuny. 2,549,669, Apr. 17.
Instrument in the nature of a diaphragm inserter, Gynecologic. B. R. Fox. 2,548,962, Apr. 17.
Instrument, Surveying. H. Schnett. 2,549,244, Apr. 17.
Insulator. H. J. Crabbs. 2,549,292, Apr. 17.
Integrating counter circuit. E. R. Shenk and A. E. Canfora. 2,549,022, Apr. 17.
Intercommunication and signal system, Executive's and secretary's trunk connective. R. F. Stehlik. 2,549,719, Apr. 17.
Internal-combustion engine. E. C. Kiekhaefer. 2,549,478, Apr. 17.
Internal-combustion engine. E. C. Kiekhaefer. 2,549,482, Apr. 17.
Ironing board. J. L. Thatcher. 2,549,723, Apr. 17.
Ironing cord holder. J. A. Snodgrass. 2,549,717, Apr. 17.
Jack: *See*—
  Hydraulic jack.
Jack attachment unit, Bumper. B. J. Chapman. 2,548,944, Apr. 17.
Joint: *See*—
  Pipe joint.
Journal wiper. W. M. Gewin. 2,549,594, Apr. 17.
Ketones and aldehydes, Preparation of unsaturated. H. O. Mottern. 2,549,508, Apr. 17.
Key holder. D. Ostrander. 2,549,228, Apr. 17.
Knockdown shipping container. T. Munroe. 2,549,509, Apr. 17.
Latch structure, Door. G. Janonis. 2,549,312, Apr. 17.
Lathe, Automatic screw-cutting. E. Bodmer. 2,548,937, Apr. 17.
Lawn mower. M. P. Laughlin. 2,549,317, Apr. 17.
Layout and measuring device. L. V. Parsons. 2,549,634, Apr. 17.
Lamp: *See*—
  Electric discharge lamp.
  Fluorescent lamp.
Lens, particularly for viewing traffic lights, Prismlike. M. F. Squiers. 2,549,541, Apr. 17.
Lens system, Wide-angled eyepiece. L. Bertele. 2,549,158, Apr. 17.
Lid stay. J. H. Pfeiffer. 2,549,128, Apr. 17.
Light controlling means. H. J. Brubaker. 2,549,167, Apr. 17.
Light unit, photographic. E. B. Noel. 2,549,330, Apr. 17.
Lighting system and apparatus. J. H. Bridges. 2,549,288, Apr. 17.
Linchpin. S. E. Guest. 2,549,459, Apr. 17.
Lip-rouge composition, Liquid. L. G. Grate. 2,548,970, Apr. 17.
Liquid distributing device and dosing means therefor. J. D. Robinson. 2,549,012, Apr. 17.
Liquid fuel and air mixing and supply means for oil burners. C. W. Smith. 2,549,253, Apr. 17.
Liquid level gauge. R. E. Ekstrom. 2,548,960, Apr. 17.
Liquid separation method and apparatus. L. H. De Haven. 2,549,063, Apr. 17.
Loading device. E. A. Ernst. 2,549,370, Apr. 17.
Locking device for rocking chairs. A. J. Belisle. 2,549,286, Apr. 17.
Locking means for accounting machines, Register control. E. L. Wise. 2,549,739, Apr. 17.
Loom picker. H. J. and P. J. Shivell. 2,549,394, Apr. 17.
Lubricant and dust seal. W. E. Gustin. 2,549,460, Apr. 17.
Lubricant and hydraulic fluid composition. E. J. Watson. 2,549,270, Apr. 17.
Lubricant, Glass molding. A. C. Skoogland. 2,549,535, Apr. 17.
Lubricant recovery for cutting machines and the like. F. A. Zaenkert. 2,549,657, Apr. 17.
Machine foot and anchorage. L. E. Lentz. 2,549,692, Apr. 17.
Machine for and method of making spiral pipes. J. H. Taylor. 2,549,032, Apr. 17.
Machine for finish cutting the teeth of gears, gear shaving cutters, and the like. E. W. Miller. 2,549,324, Apr. 17.
Machine for making spring liners. A. Shaner and J. C. Hampson. 2,549,338, Apr. 17.
Machine for manufacturing buttons out of plate material. A. L. van der Helden. 2,549,034, Apr. 17.
Machine for sealing in miniature incandescent lamp bulb mounts. F. E. Bakanau. 2,549,359, Apr. 17.
Machine for shaping wire strands for screens. F. F. Dauenhauer. 2,549,061, Apr. 17.
Machine tool. T. J. Hudson. 2,549,606, Apr. 17.
Magnesium carbonate, Manufacture of normal. T. C. Atchison. 2,549,408, Apr. 17.
Magnetic chip collector for grinders. A. V. Sandlin. 2,549,529, Apr. 17.
Magnetic sound recording medium. G. H. Howe. 2,549,469, Apr. 17.
Magnetic-type object detector. S. Berman. 2,549,567, Apr. 17.
Magneto party-line adapter. R. W. Jones. 2,549,688, Apr. 17.
Magnetostrictive converter time delay device. L. F. Curtis. 2,549,578, Apr. 17.
Making a shaving aid. E. Gantner. 2,548,891, Apr. 17.
Making heat exchangers. O. Hoheisel. 2,549,466, Apr. 17.
Making packages having removable and replaceable lids. C. Nicolle. 2,549,513, Apr. 17.
Making rubbery articles. M. E. Hansen. 2,548,974, Apr. 17.
Malonaldehyde dianils, Preparation of. C. F. Jelinek and R. F. Kleinschmidt. 2,549,097, Apr. 17.
Manufacturing clicker dies. B. U. Rylander. 2,548,910, Apr. 17.
Margining device for use in positive printing. J. Tessier. 2,549,544, Apr. 17.
Marker and indicator, Football down. W. F. Musch and R. S. Katz. 2,549,627, Apr. 17.
Marking device, Line. H. C. Sweet and W. A. Chilman. 2,549,722, Apr. 17.
Match and explosion initiator containing the same, Electric. B. J. Sevold. 2,549,533, Apr. 17.
Mattress for cribs and the like, Inflatable. H. G. Harris and E. S. Davis. 2,549,597, Apr. 17.
Measuring device, Pressure. D. H. Clewell. 2,548,947, Apr. 17.
Mechanism for automatically operating a picture slide changer of the manual type. C. J. Cadwell and F. M. Adamson. 2,549,289, Apr. 17.
Mechanism for transmitting motion. E. C. Miller and A. C. Neilson. 2,548,994, Apr. 17.
Melamine, Production of. D. D. Lee. 2,549,492, Apr. 17.
Melting hafnium, zirconium, and titanium metals. W. J. Kroll. 2,548,897, Apr. 17.
Methoxy substituted 2-aminoindanols. R. V. Heinzelmann. 2,549,684, Apr. 17.
Methyl 4-oxobutyrate, Preparation of. W. F. Gresham, R. E. Brooks, and W. M. Bruner. 2,549,454, Apr. 17.
Micrometer adjustment for lathe stops. M. L. Parker. 2,549,332, Apr. 17.
Microscope, Point projection ion. W. L. Colterjohn, Jr. 2,548,870, Apr. 17.
Milk bottle holder. E. M. Navarro. 2,549,510, Apr. 17.
Mill: *See*—
  Coffee mill.
Mine roof testing. R. T. Gallagher, C. G. Brennecke, and R. D. Currie. 2,549,076, Apr. 17.
Mining and conveying machine, Coal. A. Crossland. 2,548,952, Apr. 17.
Mixer. C. M. Osterheld. 2,549,121, Apr. 17.
Mixing and dispensing apparatus, Beverage. J. J. Booth and F. N. James. 2,548,938, Apr. 17.
Moisture-extracting hydraulic press. G. N. Strike. 2,549,344, Apr. 17.
Molded articles, Manufacture of. S. O. Barnstead. 2,549,563, Apr. 17.
Molding apparatus and removing creep from rubber. J. P. Truscott. 2,549,144, Apr. 17.
Molding joints between spaced structural members. K. P. Billner. 2,548,935, Apr. 17.
Motion converting mechanism. J. G. Baker. 2,549,561, Apr. 17.

Motion-picture projection screen stand. H. E. Eller. 2,549,584, Apr. 17.
Motor: *See*—
Reversible outboard motor.
Reversible split-phase motor.
Motor-alternator control system. H. W. Graybrook and M. C. Potter. 2,549,305, Apr. 17.
Motor alternator control system. M. C. Potter. 2,549,334, Apr. 17.
Motor vehicle window screen. E. M. Puffer. 2,549,234, Apr. 17.
Mount for vehicle doors, Appliance. R. H. Kershaw. 2,549,100, Apr. 17.
Mounting: *See*—
Ball-bearing mounting. Windshield mounting.
Mounting construction, Radio chassis. R. T. Setchell. 2,549,021, Apr. 17.
Mounting for outboard motors, Steering. E. C. Kiekhaefer. 2,549,486, Apr. 17.
Mounting instruments. W. O. Davis. 2,548,954, Apr. 17.
Mulling material. W. Horth. 2,549,603, Apr. 17.
Needle carrier. B. N. Pierce. 2,549,232, Apr. 17.
Oil well cementing. R. E. Morgan and R. A. Salathiel. 2,549,507, Apr. 17.
Oiling device. E. W. Davis. 2,549,744, Apr. 17.
Opening means for regular cartons. R. M. Dunning. 2,549,582, Apr. 17.
Optical micrometer gauge. E. P. and G. P. Bentley. 2,549,566, Apr. 17.
Ornamental chain. M. Rahthus. 2,549,335, Apr. 17.
Orthodontic appliance. A. B. Brusse. 2,548,864, Apr. 17.
Orthodontic device. H. J. Russell. 2,549,528, Apr. 17.
Oscillator and amplifier, Thermionic valve. E. R. Wigan. 2,549,553, Apr. 17.
Outboard motor protecting rim. E. C. Kiekhaefer. 2,549,485, Apr. 17.
Oven, Infrared. W. J. Miskella. 2,549,619, Apr. 17.
Oxy substituted aminoindanones. R. V. Heinzelmann. 2,549,683, Apr. 17.
Package filler, Coin. J. W. Drury. 2,549,299, Apr. 17.
Package for pills, tablets, and the like, Protective. A. M. Donofrio. 2,549,069, Apr. 17.
Package, Sterile suture tube. C. C. Adams. 2,549,040, Apr. 17.
Package, Surgical. C. C. Adams. 2,549,039, Apr. 17.
Packaging apparatus, Wire. C. E. McKinsey. 2,549,322, Apr. 17.
Packaging in stretched film. H. J. Osterhof. 2,549,122, Apr. 17.
Packing machine. T. M. Pomeroy, Jr., and J. R. Graves. 2,549,004, Apr. 17.
Pan, Ash. F. D. Graham. 2,548,969, Apr. 17.
Pan spacer. E. F. Sperling. 2,549,341, Apr. 17.
Paper and pencil clip. N. T. Hooks. 2,549,200, Apr. 17.
Paper, composition therefor, and making same, Sized. P. B. Davidson. 2,549,177, Apr. 17.
Paster for cigarette making machines. G. Dearsley. 2,549,579, Apr. 17.
Pasteurizing liquids, Method and apparatus for. F. L. Steghart. 2,549,342, Apr. 17.
Pedal lift for velocipedes. R. L. F. McDonald. 2,548,988, Apr. 17.
Peeler, Citrus fruit. F. E. Moore. 2,549,326, Apr. 17.
Pen, Fountain. J. W. Para. 2,548,906, Apr. 17.
Pentachlorothiolane and producing the same. H. L. Coonradt and H. D. Hartough. 2,549,576, Apr. 17.
Pharmaceutical means for facilitating the making of suppositories or the like. A. Allison. 2,549,559, Apr. 17.
Phase or frequency modulation system. M. E. Mohr. 2,549,505, Apr. 17.
Phase shifting apparatus. E. H. B. Bartelink. 2,548,855, Apr. 17.
Phonograph, Record changing. E. Wennerbo. 2,549,272, Apr. 17.
Photocopying machine. F. Blick. 2,548,936, Apr. 17.
Photographic objective having four axially air spaced components, Highly corrected. L. Bertele. 2,549,159, Apr. 17.
Photographic method and apparatus. D. B. McLaughlin and G. S. Perkins. 2,549,699, Apr. 17.
Piano action, Upright. A. F. Knoblaugh. 2,548,890, Apr. 17.
Picker stick check. S. K. Taylor. 2,549,262, Apr. 17.
Pile feeder. I. F. Niles. 2,549,630, Apr. 17.
Pillbox and like container of small articles. H. H. Goldstaub. 2,549,681, Apr. 17.
Pilot for vaporizing oil burners, Downdraft. H. B. Donley. 2,549,067, Apr. 17.
Pilot structure. H. B. Donley. 2,549,068, Apr. 17.
Pipe and lighter, Combination. J. Van Toll. 2,549,726–7, Apr. 17.
Pipe hanger. M. G. Tormo. 2,549,346, Apr. 17.
Pipe joint. T. R. Young. 2,549,741, Apr. 17.
Pipe threader and cutting device. S. W. Mattea. 2,549,381, Apr. 17.
Pirn or cone holder. E. J. McBride. 2,549,618, Apr. 17.
Piston construction. A. S. Wysong. 2,549,277, Apr. 17.
Pitch propeller, Changeable. G. W. Johnson. 2,549,313, Apr. 17.
Pitching device, Ball. H. G. Atwell. 2,549,156, Apr. 17.
Pliers, Fisherman's. W. J. Haman. 2,549,462, Apr. 17.
Plug: *See*—
Vent plug.
Plugging apparatus, Well packer. T. M. Ragan. 2,549,007, Apr. 17.
Polyaryl polyparaffins. W. E. Kemp. 2,548,982, Apr. 17.
Polymerized polyester resin materials of superior water resistance and electrical properties, Production of. W. I. Weaver. 2,549,732, Apr. 17.
Port end construction for open-hearth furnaces. C. F. Pollen. 2,548,908, Apr. 17.
Portable rack. G. R. McAlpine and J. C. Bowlware. 2,549,498, Apr. 17.
Poster, Multiplex laminated. J. X. J., Callahan. 2,549,419, Apr. 17.
Potentiometer, Sine wave. P. Rosenberg. 2,549,389, Apr. 17.
Pouch and protector, Colostomy. A. C. Wagner. 2,549,348, Apr. 17.
Power-driven operator. J. G. Baker. 2,549,562, Apr. 17.
Power plant with axial flow compressor, Gas turbine. A. Howard. 2,548,886, Apr. 17.
Power plant with nested compressor and turbine, Internal-combustion turbine. W. R. Hawthorne. 2,548,975, Apr. 17.
Power system, Locomotive. E. F. W. Alexanderson and A. H. Mittag. 2,549,405, Apr. 17.
Precipitation static control for airplanes. H. J. Dana. 2,549,671, Apr. 17.
Preheating secondary air feeding furnace door mounted device. J. F. McKeague. 2,549,219, Apr. 17.
Preparing cellulose for subsequent treatment with sodium hydroxide. J. Seiberlich. 2,549,713, Apr. 17.
Preserving mixed food. S. J. Zimmermann. 2,549,743, Apr. 17.
Press: *See*—
Clamp frame press.
Moisture-extracting hydraulic press.
Press with vibrating die for forming powder metal blanks. R. P. Seelig. 2,549,642, Apr. 17.
Pressure control system for aircraft cabins. B. E. Del Mar. 2,549,673, Apr. 17.
Pressure cooker closure fastener. W. J. Russell. 2,549,243, Apr. 17.
Pressure cooker, Safety. S. E. Richeson. 2,549,387, Apr. 17.
Printing device for producing graphs, prints, or the like. M. B. Willis. 2,549,150, Apr. 17.
Producing broken ice. S. A. J. Mansted. 2,549,215, Apr. 17.
Producing cyclonite-containing explosive. H. H. Fassnacht and C. A. Woodbury. 2,548,880, Apr. 17.
Producing lamellar polystyrene particles. L. L. Ryden. 2,548,909, Apr. 17.
Projector, Multiple television. D. W. Epstein. 2,549,585, Apr. 17.
Propeller pitch control. E. Martin. 2,549,108, Apr. 17.
Protective device for electrical power transmission systems. G. A. Matthews. 2,549,497, Apr. 17.
Protector for trouser type garments. H. L. Krell. 2,549,210, Apr. 17.
Pulsating sound generator. K. H. Odenweller and R. L. Steinberger. 2,548,905, Apr. 17.
Pump: *See*—
Reversible rotary pump.
Pump. R. H. McBean. 2,549,218, Apr. 17.
Pump and transmission unit, Fluid drive. C. L. Thomas. 2,549,646, Apr. 17.
Pumping mechanism. O. Mitchell. 2,549,620, Apr. 17.
Punctuating device for registers. H. Neumann-Lezius and E. E. Wilberg. 2,549,512, Apr. 17.
Purification of crude synthetic methanol. W. J. Congdon and R. C. Datin. 2,549,290, Apr. 17.
Pyridine preparation. C. A. Weisgerber. 2,549,651, Apr. 17.
Pyrotechnic device. H. C. Clauser and R. S. Long. 2,548,946, Apr. 17.
Quaternary thenyl compounds. L. P. Kyrides. 2,548,898, Apr. 17.
Rack: *See*—
Floral rack. Storage rack.
Portable rack.
Rack construction for roasters. M. A. Potts. 2,549,709, Apr. 17.
Radar equipment calibrating system. D. M. Jacob. 2,549,473, Apr. 17.
Radial brush seal for heat exchangers. W. D. Yerrick and S. Holm. 2,549,656, Apr. 17.
Radiator and engine mounting, Vehicle. B. G. Rich. 2,549,524, Apr. 17.
Radiator ball air relief valve. W. J. White. 2,549,035, Apr. 17.
Radio receiver with logarithmic response circuit. E. D. Schreiner and B. Howland. 2,548,913, Apr. 17.
Radio tuner for hearing aid apparatus. E. A. Strommen. 2,549,259, Apr. 17.
Radioactive locating means. J. W. McPhee. 2,549,109, Apr. 17.
Rail anchor. J. J. Gallagher. 2,549,447, Apr. 17.
Rail anchor securing means. M. K. Ruppert. 2,549,527, Apr. 17.
Razor blade holder. C. B. Stair. 2,549,542, Apr. 17.
Razor, Safety. O. Rasmussen. 2,549,130, Apr. 17.

Reader for the blind. R. B. Nottingham. 2,549,632, Apr. 17.
Receiver for hearing aids. F. S. Nelson. 2,549,629, Apr. 17.
Receptacle: *See*—
Colostomy receptacle.
Record cutting mechanism, Phonograph. A. B. Rudenauer. 2,549,390, Apr. 17.
Record, Test phonograph. L. W. Dixon. 2,549,066, Apr. 17.
Recorder and wire handling means therefor, Magnetic. J. S. Kemp. 2,548,981, Apr. 17.
Recorder, Multipoint. I. M. Stein, A. J. Williams, Jr., and W. R. Clark. 2,549,401, Apr. 17.
Recording apparatus for radar systems. D. W. Epstein. 2,549,072, Apr. 17.
Recording medium, Magnetic sound. G. H. Howe. 2,549,468–9, Apr. 17.
Recovering from pyrite the valuable constituents thereof. C. W. Clark. 2,549,367, Apr. 17.
Recovery of ammonia from butadiene-ammonia mixture. S. W. Wilson. 2,549,555, Apr. 17.
Recovery of vegetable protein. S. Rowe. 2,549,526, Apr. 17.
Reducing corrosion and composition of reduced corrosiveness. E. D. Crittenden. 2,549,430, Apr. 17.
Reducing device, Oscillations. F. M. M. B. Salomon. 2,548,911, Apr. 17.
Reduction furnace. F. W. de Jahn. 2,548,876, Apr. 17.
Reduction of selective fading distortion. W. L. Carlson. 2,549,423, Apr. 17.
Reel: *See*—
Garden hose reel.
Reel carrier. T. J. Addison. 2,549,152, Apr. 17.
Refrigeration, Absorption. B. C. von Platen. 2,548,921, Apr. 17.
Refrigerator with removable unit, Portable. C. S. Carrington. 2,549,421, Apr. 17.
Regenerative heat exchanging apparatus. C. E. H. Eckersley. 2,549,583, Apr. 17.
Register control device for web printing machines. W. F. Huck. 2,549,605, Apr. 17.
Regulating blast furnace top temperature, Method of and apparatus for. J. H. Strassburger. 2,549,720, Apr. 14.
Regulating device, Sequential. K. O. Sisson. 2,549,025, Apr. 17.
Regulator for flow of material from a hopper. M. H. Pearson. 2,549,126, Apr. 17.
Regulator with phase splitting circuit controlled by inductive damping means, Voltage. D. J. Sikorra and D. V. Hotson. 2,549,250, Apr. 17.
Rejuvenating device, Typewriter ribbon. R. W. Harris. 2,549,196, Apr. 17.
Relay, High-speed coaxial. R. E. Keater and W. S. Quincy, Jr. 2,548,889, Apr. 17.
Relay system, Time-delay. M. W. Griffes and H. J. Rathbun. 2,549,307, Apr. 17.
Remote positional control mechanism. W. C. Hartman, J. A. Peoples, Jr., and H. L. Hull. 2,548,884, Apr. 17.
Removal of oxides of copper from surfaces of alloys of copper and silver. A. F. Slover. 2,549,137, Apr. 17.
Removal of spent wood chips from extractors used in rosin recovery processes. G. L. Reasor. 2,549,522, Apr. 17.
Removing carbon from catalyst. E. V. Harlow. 2,548,883, Apr. 17.
Resistance element for pyrometers. U. Lamm. 2,549,211, Apr. 17.
Retaining device. D. P. Darwin. 2,548,874, Apr. 17.
Reversible outboard motor. E. C. Kiekhaefer. 2,549,481, Apr. 17.
Reversible rotary pump. L. Shannon. 2,549,714, Apr. 17.
Reversible split-phase motor. J. L. Trant. 2,549,265, Apr. 17.
Revivification of desiccants. C. H. Lechthaler. 2,549,104, Apr. 17.
Road roller. E. D. Ekenstam. 2,549,182, Apr. 17.
Roasting device. A. Saunders. 2,549,619, Apr. 17.
Rod: *See*—
Fishing rod.
Rod supporting means, Drape. F. X. Ganter. 2,549,448, Apr. 17.
Roll control. I. L. Ashkenas and T. A. Feeney. 2,549,044, Apr. 17.
Roller bearing for collapsible containers. P. Zalkind. 2,549,356, Apr. 17.
Rolling mill adjusting apparatus. G. Cozzo. 2,549,291, Apr. 17.
Rotary anode X-ray tube. A. H. Leighton. 2,549,614, Apr. 17.
Rotary cleaning tool. F. J. Walters and H. B. Nelson. 2,548,923, Apr. 17.
Rotary device. I. J. Hamilton. 2,549,083, Apr. 17.
Rotary drum and shaft assembly. B. R. Winborn, Jr. 2,549,274, Apr. 17.
Rotor and stationary-chamber machine for crushing, mixing, or refining of liquids or semiliquids. V. S. Hintlian. 2,549,310, Apr. 17.
Rubber and preserving same, Vulcanized. T. H. Newby. 2,549,118, Apr. 17.
Rubbing machine. H. R. Johnson. 2,548,979, Apr. 17.
Rule attachment. H. McCully. 2,549,503, Apr. 17.
Safety device for hydraulic brakes. H. C. Whittaker. 2,549,351, Apr. 17.
Saw, Log bucking chain. W. H. Rathert and C. A. Wilson. 2,549,236, Apr. 17.
Saw machine, Band. M. J. Radecki and J. A. Krolikowski. 2,549,384, Apr. 17.
Scaffold. J. C. Rogghe. 2,549,638, Apr. 17.
Scaffolding, Adjustable. J. M. Lane. 2,549,212, Apr. 17.
Scale, Hydraulic weighing. L. S. Williams. 2,549,273, Apr. 17.
Scale, Recording weight and price. J. A. Volk. 2,549,752, Apr. 17.
Scoring device; Game. W. H. Scott. 2,549,248, Apr. 17.
Scraper unit for endless moving surfaces. W. F. Spang. 2,549,718, Apr. 17.
Screen: *See*—
Motor vehicle window screen.
Third dimension: photographic projection screen.
Screen and table, Collapsible combination. R. E. Ross. 2,549,242, Apr. 17.
Screen and table, Combined. N. W. Liebel. 2,549,379, Apr. 17.
Screen for attachment to rearview mirror arms, Sun glare. C. A. Short, Sr. 2,549,395, Apr. 17.
Seal for exterior doors and windows, Weather. H. N. Baker. 2,549,284, Apr. 17.
Seal with O-ring, Self-contained mechanical. R. F. Miller. 2,549,112, Apr. 17.
Sealing glass to metal. J. P. Messana. 2,549,504, Apr. 17.
Sealing means for the cable inlet of a terminal connector. R. P. Gutterman. 2,548,896, Apr. 17.
Seat: *See*—
Canvas seat. Folding seat.
Sectional container. E. Robles and M. J. Sloyan. 2,549,013, Apr. 17.
Sectionizing citrus fruits. R. Polk, Sr. and R. Polk, Jr. 2,549,333, Apr. 17.
Selective adsorption-catalytic cracking process, Combined. S. F. Perry. 2,549,518, Apr. 17.
Self-contained easel display case. S. Greene. 2,549,306, Apr. 17.
Separator: *See*—
Bottom hole separator.
Separation of amino acids. R. Kunin. 2,549,378, Apr. 17.
Separation of fluorinated hydrocarbons by distillation with hydrogen fluoride. K. C. Johnson. 2,549,609, Apr. 17.
Separation of hydrocarbons with keto esters. T. W. Evans and R. C. Morris. 2,549,586, Apr. 17.
Sewing machine. M. Chinnici. 2,549,057, Apr. 17.
Sewing machine. N. V. Christensen and C. C. Smith. 2,548,869, Apr. 17.
Sewing-machine presser-foot mechanism. J. M. Washburn. 2,549,269, Apr. 17.
Shaft, Water-cooled. R. W. Coward. 2,549,174, Apr. 17.
Shaker and cleaner, Bottle crate. A. C. Davis. 2,549,062, Apr. 17.
Sharpener, Dental instrument. D. Thompson. 2,549,263, Apr. 17.
Shaver, Dry. E. Gagman. 2,549,591, Apr. 17.
Sheet feeding and positioning mechanism. J. de la Fuente Tejedo. 2,549,293, Apr. 17.
Sheet feeding machine. H. Bolst. 2,549,364, Apr. 17.
Shelf construction for food mixers, Sliding. R. B. Marshall. 2,549,617, Apr. 17.
Shock absorber for railway car trucks. W. E. Withall. 2,549,037, Apr. 17.
Shock absorber for railway car trucks, Friction. W. E. Withall. 2,549,036, Apr. 17.
Shoulder shaped dress and suit hanger. F. K. Dobnna. 2,549,297, Apr. 17.
Shovel. H. R. Larson. 2,549,491, Apr. 17.
Signaling device, Audible. C. G. Auth and A. H. Schramm. 2,549,157, Apr. 17.
Ski edging. A. W. Shultz. 2,549,534, Apr. 17.
Skirting molding for table tops. W. L. Bonnell. 2,549,414, Apr. 17.
Slicing machine, Bun. D. R. Spilky. 2,549,540, Apr. 17.
Slide fastener end stopping. A. M. Brown. 2,549,051, Apr. 17.
Slider, Reverse locking. D. Marinsky. 2,549,380, Apr. 17.
Smokeless powder, Large grain. R. F. Preckel. 2,549,005, Apr. 17.
Socket having leaf spring contacts, Lamp. A. J. Shaback. 2,549,134, Apr. 17.
Sole, Cushion. S. Steiner. 2,549,343, Apr. 17.
Sorting apparatus. M. W. Kremer and W. W. Heigle. 2,549,316, Apr. 17.
Space reservation system. J. F. Dusek and R. J. Fallert. 2,549,071, Apr. 17.
Spark gap setting device. W. L. Brackenbury and H. W. Barnett. 2,549,165, Apr. 17.
Spectrometer, Mass. C. E. Berry. 2,548,859, Apr. 17.
Speech correction device. F. F. Stelz. 2,549,398, Apr. 17.
Speed controller, Automatic. M. R. Seldon. 2,549,020, Apr. 17.
Speed responsive coupling. R. M. Purdy. 2,549,748, Apr. 17.
Speed responsive coupling. W. J. Spengler. 2,549,749–51, Apr. 17.
Spring construction. J. Goldstein. 2,548,968, Apr. 17.
Sprocket chain. E. E. Crane. 2,548,951, Apr. 17.

Stabilization of N,N′ di-secondary-butyl p-phenylene diamine. J. A. Chenicek. 2,549,056, Apr. 17.

Stand: *See*—
- Motion-picture projection screen stand.

Stencil tissue, Production of. E. L. Greenwood, F. W. Hughes, and A. W. Morledge-Hadfield. 2,548,971, Apr. 17.

Sterilizer, Small tool. J. V. Bess. 2,549,160, Apr. 17.

Steroidal hydroxy ketones, Preparation of. R. B. Wagner and J. A. Moore. 2,548,922, Apr. 17.

Stoker, Including a fuel feeder preventing fuel drag-back, Underfeed. J. S. Skelly. 2,549,252, Apr. 17.

Stoker, Including progressive overfeed grates, Underfeed. G. P. Jackson. 2,549,203, Apr. 17.

Stopper, Bottle. H. W. Williams. 2,549,404, Apr. 17.

Stopping means for looms. J. E. Benton and D. W. Haynie. 2,549,047, Apr. 17.

Storage compartment accessory, Automobile. T. Sarlo. 2,549,018, Apr. 17.

Storage rack. N. R. Wahlstrom. 2,549,349, Apr. 17.

Stovepipe fastener. J. H. Gresham. 2,549,192, Apr. 17.

Strapping machine. F. W. Mosey. 2,549,626, Apr. 17.

Stretcher, Shoe. R. F. McClenathan. 2,549,502, Apr. 17.

Strip threading apparatus. F. T. Cope and K. U. Wirtz. 2,549,666, Apr. 17.

Stripping color from dyed wool. E. R. Kaswell. 2,549,099, Apr. 17.

Structural element. H. C. Fischer and A. H. W. Higgins. 2,549,442, Apr. 17.

Structural unit and manufacture. R. E. Parry. 2,549,516, Apr. 17.

Styrene-diolefin low temperature copolymers and preparation and uses thereof. W. J. Sparks and D. W. Young. 2,549,539, Apr. 17.

Subirrigator and soil fertiliser. F. H. Lawrenz. 2,549,213, Apr. 17.

Support: *See*—
- Automobile attachable coat hanger support.
- Automobile clothes hanger support.
- Goggle support.

Support and lock, Hood. E. D. Scott. 2,549,133, Apr. 17.

Support for shearing machines, Sheet stock. R. S. Archer. 2,549,560, Apr. 17.

Supporting device, Load. D. A. Murphy. 2,549,116, Apr. 17.

Supports for extension tables, Drop-leaf. S. T. Anderson. 2,548,927, Apr. 17.

Surface conditioning tool. C. W. Bryan. 2,549,570, Apr. 17.

Sweep system. L. R. Philpott. 2,548,907, Apr. 17.

Swing, Occupant operated. R. W. Hines. 2,549,085, Apr. 17.

Switch: *See*—
- Automatic electromagnetic switch.
- Automatically operable snap-acting switch.
- Differential temperature control switch.
- Fused switch.
- Thermostatic switch.

Switch for musical instruments, Key operated. G. H. Marmont and W. A. Rice. 2,549,697, Apr. 17.

Switch operating mechanism. G. Long. 2,549,616, Apr. 17.

Switch operator, Electric. J. A. Favre. 2,549,441, Apr. 17.

Switching system, Antenna. C. A. Rosencrans. 2,549,639, Apr. 17.

Switching transient noise suppression system for combination radio and television receivers. R. F. Foster. 2,549,444, Apr. 17.

Synthesis of alcohols. B. W. Howk and G. F. Hager. 2,549,470, Apr. 17.

Synthesis of 5-(2-thenoyl)pentanoic acid from thiophene, adipyl chloride and silica-alumina catalyst. H. D. Hartough and A. I. Kosak. 2,549,600, Apr. 17.

Synthesis of hydrocarbons and organic carbonyl compounds, Combination. A. J. Milliendorf, E. A. Naragon, and J. H. Vergilio. 2,549,111, Apr. 17.

System for automatically transmitting and receiving telephone messages. M. K. von Zimmermann. 2,549,548, Apr. 17.

T-square and drawing board. S. H. Weinberg, Jr. 2,549,403, Apr. 17.

Table: *See*—
- Electrically heated table.
- Writing table.

Tachometer arrangement for outboard motors. E. C. Kiekhaefer. 2,549,480, Apr. 17.

Tank and pump, Auxiliary fuel. R. D. Mayo. 2,548,987, Apr. 17.

Tank supporting cradle device. R. M. Wilson. 2,549,554, Apr. 17.

Tape, Measuring. L. L. Joseph. 2,549,098, Apr. 17.

Temperature control device. S. D. Bradley. 2,549,569, Apr. 17.

Temperature control for warming blankets. A. J. Huck. 2,549,095, Apr. 17.

Temperature control system, Compensated. C. W. Klug. 2,548,983, Apr. 17.

Temperature-responsive apparatus, Pneumatic. D. W. Moore, Jr. and A. G. Nash. 2,549,622, Apr. 17.

Temperature-responsive apparatus, Pneumatic. D. W. Moore, Jr. 2,549,623-5, Apr. 17.

Temperature-responsive system, Elastic-fluid. D. W. Moore, Jr. 2,549,621, Apr. 17.

Tension shoe member for film sprockets. E. J. Wienke. 2,549,271, Apr. 17.

Test prod, Flexible. V. E. Wattley. 2,549,731, Apr. 17.

Test set for radar apparatus. R. A. Rapuano. 2,549,385, Apr. 17.

Testing system, Radar equipment. V. C. Rideout. 2,549,131, Apr. 17.

Thermostatic expansion valve. F. Y. Carter. 2,548,866, Apr. 17.

Thermostatic switch. L. M. Persons. 2,549,517, Apr. 17.

Thermostatic switch. W. A. Yonkers. 2,549,740, Apr. 17.

Third dimension photographic projection screen. A. Givaudan. 2,548,967, Apr. 17.

Thread checking device. R. J. Spall. 2,548,917, Apr. 17.

Tilt handle above the center of gravity on outboard motor housings. E. C. Kiekhaefer. 2,549,483, Apr. 17.

Time delay control. P. G. White. 2,549,149, Apr. 17.

Timer for toasters and the like. A. J. Huck. 2,549,094, Apr. 17.

Tire chain hook. R. D. Desso. 2,549,675, Apr. 17.

Tire valve. W. R. Fox. 2,549,075, Apr. 17.

Tissue and making same, Coated wrapping. A. D. McLaren. 2,549,220, Apr. 17.

Toaster. S. P. Di Rosa and R. R. Schur. 2,548,958, Apr. 17.

Toaster, Bread. A. C. Goddard. 2,549,375, Apr. 17.

Tool: *See*—
- Grinding tool.
- Hand weeding and cultivating tool.
- Machine tool.
- Rotary cleaning tool.
- Surface conditioning tool.

Tool drive and adapter therefor, Stem-and-socket. B. P. Sparks. 2,549,397, Apr. 17.

Toolholders for lathes. E. O. Lehmann. 2,549,493, Apr. 17.

Tool with retirable chasers, Thread-cutting. R. M. Strickland. 2,549,543, Apr. 17.

Tooth for rotary earth cutting means, Replaceable. H. C. Hettelsater and G. L. Gavin. 2,549,088, Apr. 17.

Toothbrush holder. L. C. Mote. 2,549,115, Apr. 17.

Top for automobiles, Folding. J. W. J. Ackermans. 2,549,153, Apr. 17.

Torch, Welding and cutting. P. Barbeck. 2,549,360, Apr. 17.

Torque control for hydraulic clutches, Variable pressure-responsive. J. R. Thomas. 2,548,920, Apr. 17.

Torque converter, Fluid. S. E. Harris. 2,549,308, Apr. 17.

Torque converter fluids. H. R. Kemmerer. 2,549,377, Apr. 17.

Total taking means for calculating machines. H. M. Fleming. 2,549,186, Apr. 17.

Toy gun. F. A. Lennberg, Jr. 2,548,984, Apr. 17.

Toy, Inflatable jet-propelled elastic. L. Costea. 2,549,428, Apr. 17.

Toy rattle, Liquid containing. E. L. Sheridan. 2,549,392, Apr. 17.

Toy, Wheeled figure. G. C. Cox. 2,549,668, Apr. 17.

Traffic detecting means for protecting operation of railway track switches and the like. J. J. Van Horn. 2,549,146, Apr. 17.

Training device, Radio range. P. C. Jones. 2,548,888, Apr. 17.

Transducer, Frequency discriminative electric. R. L. Dietzold. 2,549,065, Apr. 17.

Transformer, Electric. F. M. Clark and G. Camilli. 2,549,426, Apr. 17.

Transformer with magnetron well, Pulse. W. H. Bostick. 2,549,366, Apr. 17.

Transistor, Vibration-operated. R. L. Wallace, Jr. 2,549,550, Apr. 17.

Transmission. C. R. Paton. 2,549,125, Apr. 17.

Transmission. M. P. Winther. 2,549,738, Apr. 17.

Transmission apparatus, Variable ratio power. H. F. Hobbs. 2,549,090, Apr. 17.

Transmission connection, Windshield wiper fluid. T. J. Smulski. 2,549,027, Apr. 17.

Transmission for dual wheel units of vehicles, Power. G. A. Collender. 2,548,949, Apr. 17.

Transmission mechanism, Variable power. J. P. Arndt. 2,548,854, Apr. 17.

Transmitter for electric signaling devices, Impulse. J. A. Spencer and L. F. Reinhold. 2,549,028, Apr. 17.

Trap: *See*—
- Animal trap.

Trap for rocket projectiles, Insulated. A. Africano. 2,548,926, Apr. 17.

Trawl runner. H. K. I. Sorensen. 2,548,915, Apr. 17.

Tray, Dental impression. V. C. Eliot. 2,549,184, Apr. 17.

Treating acrylonitrile copolymers with sulfuric acid followed by dyeing with acetate dyes. R. B. Baker. 2,548,853, Apr. 17.

Treating fibrous cellulosic materials to impart flame resistance thereto, composition therefor, and products thereof. J. W. Creely. 2,549,060, Apr. 17.

Treating fibrous cellulosic materials to impart flame resistance thereto, composition therefor and products thereof. J. W. Creely and T. F. Cooke. 2,549,059, Apr. 17.

Treatment of cellulosic fibers. H. Romeyn, Jr. 2,549,014, Apr. 17.

Treatment of hydrocarbons. K. M. Brown. 2,549,053, Apr. 17.

Trigger circuit. J. R. Cosby. 2,549,667, Apr. 17.

Trouser fly construction. L. Markin. 2,549,496, Apr. 17.

Truck cab suspension. C. F. Kramer. 2,549,102, Apr. 17.

Tube: *See*—
- Rotary anode X-ray tube.

Tube for raising fish nets, Inflatable. J. S. Jardim. 2,549,475, Apr. 17.

Tube tester, Inner. A. Moebes. 2,549,222, Apr. 17.

Turning and thread-cutting device, Combined. C. C. Taylor. 2,549,141, Apr. 17.

Turret index mechanism, Hydraulically actuated. O. and H. O. Kylin. 2,549,746, Apr. 17.

Two-piece electrical connector. W. J. Coyle. 2,549,577, Apr. 17.

Umbrella, Collapsible windshield. G. S. Carpenter. 2,549,662, Apr. 17.

Undergarment. E. Berdach. 2,549,361, Apr. 17.

Undergarment, Man's. P. Friedman. 2,549,374, Apr. 17.

Underreamer. R. C. Baker. 2,548,931, Apr. 17.

Utility device for cooking receptacles. E. M. Clarke. 2,549,170, Apr. 17.

Vacuum hold-down for machines operating on flat stock. H. A. Smyth. 2,549,254, Apr. 17.

Valve: *See*—
- Automatic change-over valve.
- Fluid flow control valve.
- Fluid operated valve.
- Flush valve.
- Hydraulic valve.
- Radiator ball air relief valve.
- Thermostatic expansion valve.
- Tire valve.

Valve for sprinkling, Auxiliary. E. Sokolik. 2,549,537, Apr. 17.

Valve having sealing diaphragm and supporting means therefor, Thermostatic. E. J. Dillman. 2,548,878, Apr. 17.

Valve mechanism for hydraulic power presses. B. Japikse. 2,549,474, Apr. 17.

Valve, relief valve, and pressure signal for pneumatic tires, Air. W. A. Caldwell. 2,549,571, Apr. 17.

Valved coupling. S. P. Di Rosa. 2,548,957, Apr. 17.

Vaporizing anesthetizing liquids, Method and apparatus for. C. B. Gardenier. 2,549,593, Apr. 17.

Vaporizing type liquid fuel burner. F. H. Cross. 2,549,175, Apr. 17.

Vaporizing type liquid fuel burner. C. Yvelin. 2,549,279, Apr. 17.

Vehicle and its manufacture, Motor. J. A. Grégoire. 2,549,191, Apr. 17.

Vehicle wheel. C. S. Ash. 2,548,928-9, Apr. 17.

Vending machine. C. W. Hall. 2,549,082, Apr. 17.

Vending machine, Vertical. C. W. Hall. 2,549,081, Apr. 17.

Venetian blind. E. J. Klonowski and J. Busch. 2,549,691, Apr. 17.

Vent plug. A. M. Miley and J. E. White. 2,548,995, Apr. 17.

Vertical indicator. J. H. Stein. 2,548,918, Apr. 17.

Waistband construction, Trouser. I. I. Levine. 2,549,693, Apr. 17.

Warp dye beam. H. V. Lang. 2,548,899, Apr. 17.

Washing machine, Rotary. C. F. Egerton. 2,549,677, Apr. 17.

Watch repairman's work holder. C. and J. Mongelli. 2,549,325, Apr. 17.

Waterproofing composition, Wood. D. D. Pew. 2,549,127, Apr. 17.

Weighing scale indicator. F. W. Gilchrist. 2,549,190, Apr. 17.

Welding generator. J. M. Turner. 2,549,648, Apr. 17.

Welding of cylindrical articles, Seam. H. C. Cogan. 2,549,173, Apr. 17.

Wheel: *See*—
- Hydraulically cushioned Vehicle wheel and adjustable steering wheel.

Wick-feeding means for applicators of cosmetics and the like. D. Ostrander. 2,549,227, Apr. 17.

Winding and reeling mechanism. R. E. Zenner. 2,549,038, Apr. 17.

Winding of yarns. H. M. Hibbert, J. Holroyd, and R. H. Baines. 2,548,976, Apr. 17.

Window and screen assembly. J. Sylvan. 2,549,031, Apr. 17.

Window blind. C. P. Kegley. 2,549,314, Apr. 17.

Window brace, Storm protection. H. R. Carney. 2,549,661, Apr. 17.

Window channel, Wire reinforced. H. M. Dodge. 2,549,581, Apr. 17.

Windshield mounting. C. F. Kramer. 2,549,315, Apr. 17.

Wiping means, Needle carrier. J. M. Washburn. 2,549,268, Apr. 17.

Wire detecting apparatus, Leading-in. L. E. Dilts. 2,549,296, Apr. 17.

Worktable, Retractable. G. and L. Crosa. 2,549,431, Apr. 17.

Wrapping device, Money. E. Fortier. 2,549,590, Apr. 17.

Wreath-forming foundation, Foldable. R. B. Propst. 2,549,006, Apr. 17.

Wrench having pivoted handle and removable socket. M. Orey and J. R. Chapin. 2,549,515, Apr. 17.

Wringer. E. E. Foster. 2,548,882, Apr. 17.

Writing table. L. Thibiéroz. 2,549,545, Apr. 17.

X-ray measuring system. C. A. Vossberg, Jr. 2,549,402, Apr. 17.

CLASSIFICATION OF PATENTS

ISSUED APRIL 17, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

D 2— 3: Des. 162,934
Des. 162,935
D 3—11: Des. 162,954
13: Des. 162,965
19: Des. 162,951
25: Des. 162,950
Des. 162,953
26: Des. 162,936
Des. 162,943
Des. 162,956
Des. 162,957
Des. 162,964
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Des. 162,999
Des. 163,000
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D 4— 3: Des. 162,921
Des. 162,978
D 7— 4: Des. 162,952
.5: Des. 163,012
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D 9— 2: Des. 162,941
D10— 7: Des. 162,977
D12— 2: Des. 163,008
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D17— 9: Des. 162,932
D22— 3: Des. 162,933
D26— 5: Des. 162,979
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D33— 7: Des. 162,927
16: Des. 162,971
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D34— 2: Des. 162,940
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Des. 162,966
D42— 7: Des. 162,929
Des. 162,976
8: Des. 162,961
D44— 1: Des. 162,931
Des. 162,960
Des. 163,011
10: Des. 162,938
Des. 162,981
15: Des. 162,985

D44—15: Des. 162,986
22: Des. 162,949
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D45— 4: Des. 162,973
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D49— 1: Des. 162,970
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D55— 1: Des. 162,996
D56— 4: Des. 162,920
D57— 1: Des. 162,922
Des. 162,945

D57— 1: Des. 162,955
Des. 162,998
D58— 5: Des. 162,988
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12.7: Des. 162,967
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26: Des. 162,959
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D61— 1: Des. 162,989
D67— 3: Des. 162,966
D72— 1: Des. 162,928
D80— 5: Des. 162,923
Des. 163,006
9: Des. 163,007
10: Des. 162,925
Des. 162,926

D80—10: Des. 162,990
D81— 4: Des. 162,974
10: Des. 162,946
19: Des. 162,969
25: Des. 162,980
D83— 1: Des. 162,930
D85— 2: Des. 162,937
Des. 163,005
D86— 8: Des. 162,962
D89— 1: Des. 162,997
D90— 5: Des. 162,964
D91— 1: Des. 162,987
D92—26: Des. 163,003
Des. 163,004

U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business March 30, 1951

Total number of patent applications awaiting action, 115,018. Date of oldest new application, April 6, 1950; date of oldest amended application, April 4, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewage.	5-2-50	5-1-50	2655
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-22-50	5-27-50	1600
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	7-21-50	7-18-50	1562
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-14-50	4-15-50	2091
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-14-50	4-13-50	1591
6. SURLE, H., Carbon Chemistry (part)	7-12-50	6-10-50	1774
7. GONSALVES, J. E., Optics; Photography (part)	9-15-50	9-14-50	1128
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-16-50	5-15-50	2085
9. BENSON, R. B., Pumps and Fans; Fluid Motors	4-29-50	4-20-50	1575
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	5-4-50	5-8-50	1269
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	5-5-50	5-11-50	1217
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-5-50	6-10-50	1336
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	4-27-50	4-26-50	1449
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	5-6-50	5-3-50	1584
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-24-50	8-8-50	1121
16. LOVEWELL, N. N., Television; Telephony	6-23-50	6-15-50	1198
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-13-50	4-7-50	2174
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-15-50	4-4-50	1511
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-28-50	4-27-50	1322
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-19-50	4-18-50	1726
21. MADER, R. C., Textiles; Package and Article Carriers	4-21-50	4-18-50	1777
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	5-2-50	5-3-50	1312
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-13-50	4-14-50	878
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus; Sewing Machines	8-2-50	8-3-50	1650
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-29-50	7-1-50	1526
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	5-15-50	5-2-50	1255
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	5-31-50	5-31-50	2186
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors, Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-11-50	4-20-50	1525
29. HABECKER, LEON B., Baggage; Cloth; Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	6-2-50	6-3-50	2057
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	8-2-50	7-31-50	1866
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-29-50	7-1-50	2085
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	7-20-50	5-25-60	1411
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-12-50	6-7-50	2085
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	5-8-50	5-2-50	1514
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	5-9-50	5-4-50	1775
36. McFADYEN, A. D., Measuring and Testing	4-14-50	4-8-50	1500
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	6-13-50	6-5-50	1385
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	7-14-50	6-16-50	1199
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	4-25-50	4-26-50	2707
40. DRUMMOND, E. J., Receptacles (part); Packages	6-2-50	5-3-50	3002
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-2-50	5-4-50	1501

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 115,018. Date of oldest new application, April 6, 1950; date of oldest amended application, April 4, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	6-17-50	6-14-50	2040
43. ASP, NOGI A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Lesthers; Preserving (part).	9-26-50	7-25-50	1029
44. HARVEY, L. P., Beds; Chairs, Seats	4-13-50	4-17-50	1573
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Applisnces.	5-4-50	4-29-50	1742
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	5-3-50	4-19-50	1311
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	5-19-50	5-27-50	1612
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	7-18-50	5-19-50	1180
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	6-7-50	6-8-50	1325
50. LEVIN, SAMUEL, Synthetic Resins	10-2-50	8-2-50	1411
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-16-50	5-15-50	1470
52. POPPE, W. A., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-26-50	4-27-50	3180
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	5-18-50	5-20-50	1050
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-31-50	4-28-50	1703
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	7-12-50	8-4-50	1035
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	7-1-50	7-1-50	1671
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-14-50	5-8-50	1161
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-16-50	4-20-50	1316
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	7-1-50	7-1-50	1209
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-12-50	4-19-50	1371
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-9-50	4-21-50	1808
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	5-1-50	4-15-50	2182
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages, Carbon Chemistry (part)	7-20-50	7-17-50	1442
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-5-50	9-2-50	1740
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-6-50	7-6-50	1621
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	5-3-50	5-1-50	1226
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-7-50	7-6-50	1475
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-30-50	6-23-50	1678
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-20-50	4-21-50	1525
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-6-50	4-4-50	1921
DESIGNS: A. BREHM, G. L., Industrial Arts	1-8-51	12-26-50	892
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	12-12-50	12-27-50	955

Total number of trade-mark applications awaiting action (including renewals and republications), 21,328. Date of oldest new application, July 6, 1950; date of oldest amended application, July 5, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	7-13-50	7-5-50	6202
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	8-14-50	8-9-50	3684
Renewals (All Classes)	1-26-51	2-28-51	467
Republications (All Classes)	2-6-51	2-28-51	164
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	7-6-50	7-5-50	5624
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-19-50	7-10-50	5187

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LAURENT

No. 5787. Decided January 16, 1951

[— F.2d —; 88 USPQ 369]

1. CLAIMS — CONSTRUCTION OF CLAIMS — INTRODUCTORY CLAUSE.

Rule reaffirmed that an introductory clause which merely states a purpose independently of the structure otherwise completely defined by the claim, does not constitute an additional limitation, unless the introductory clause gives meaning and vitality to the remainder of the claim.

2. PATENTABILITY—PARTICULAR SUBJECT MATTER—SEALING ASSEMBLY FOR PRESSURE VESSELS.

Certain claims to a sealing assembly for pressure vessels and sealing rings used therein *Held* not to distinguish over the cited prior art.

APPEAL from Patent Office. Serial No. 593,673.

AFFIRMED.

Lester B. Clark and *Ray L. Smith* (*Gustave Müller* of counsel) for appellant.

E. L. Reynolds (*S. Wm. Cochran* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiners in finally rejecting under the practice of dual prosecution claims 47, 48, and 49 of appellant's application for a patent on an improvement in a closure joint for effecting the sealing of an opening in a vessel or pipe line containing fluids under high pressure. Seventeen claims, 30 to 46, were allowed.

Claims 47 and 48 were rejected by the Examiner of Division 52 as unpatentable over the following prior art: Bride, 303,615, August 19, 1884; Bullington, 1,967,703, July 24, 1934.

Claim 49 was rejected by the Examiner of Division 40 as unpatentable over the following prior art: Paxman et al. (British), 3,143, A. D. 1891; Reis, 724,939, Apr. 7, 1903; Key, 1,502,038, July 22, 1924.

The disclosure of the patent to Key was properly rejected by the Board as not pertinent, and it will not be here considered.

The rejected claims read:

47. A ring to be positioned between two differently tapered faces to provide a seal due to the relative movement of the member having the lesser taper and due to the pressure being exerted on such last member and the ring to form and maintain the seal comprising, a body, an inner base end and an outer end on said body, inner and outer peripheral faces joining the end and base, said peripheral faces being of different inclinations so that the base end is of a greater area for exposure to the pressure being sealed than said other end, said inner peripheral face being of less taper with respect to the base than said outer peripheral face.

48. A ring comprising an annular body the cross section of which is a trapezoid having the base thereof for exposure to the pressure being sealed, the complete ring forming a frustum of a hollow right cone, defined by the base, sides and end, the inclination of the sides being such that the vertex of the inner cone surface is a greater distance from the base than the vertex of the outer cone surface, said base being of a greater area than said end to effect sealing of said ring due to pressure thereon, said ring being of a noncompressible but resilient material.

49. In a sealing assembly for pressure vessels having a tapered opening, a closure member insertable through the opening, a seal ring for the opening which is insertable therethrough, cooperating tapered sealing faces on said closure and the inside of said ring, a shoulder on said closure member to abut said ring so that the pressure in the vessel against said closure forces said closure into said ring and said ring into the tapered opening.

The subject matter in issue involves a tapered opening in the pressure vessel for which the invention provides a closure. The sides of the opening converge from the inside of the vessel in an outward direction making an inwardly inclined wall of surface, the smallest dimension of which is adapted to be closed by the insertion of a tapered closure plug.

The plug likewise has an inclined peripheral surface of a lesser angle in the direction shown above and is provided on its largest outside diameter with a flange or shoulder as an integral part of the plug.

Interposed between the two inclined surfaces of the opening hereinbefore described is a circular nonplastic sealing ring which provides a seat for the plug. The ring has inner and outer walls corresponding in inclination to the respective surfaces which they contact.

Carried on the plug as an integral part thereof and extending outwardly therefrom is a threaded stem extending through the aperture in a cap member which is placed over the opening in the pressure vessel. Those elements are so formed that by tightening the nut on the stem, the plug will be drawn into place with the opening and the seal will thus be formed.

The basic reference in the rejection of claim 49, which was the first claim considered by the Board, is the patent to Reis. That related to a combination of elements designed to provide an improvement whereby a perfectly tight joint between the metal cover and the metal of a boiler may be obtained without the aid of any ordinary packing. The written description in the application filed by Reis stated that:

The invention consists, essentially, in the use of a circular tapering cover of smaller diameter than the aper-

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ture to which it is applied, so as to enable it to be introduced from the exterior, in combination with a metallic conical and flexible ring which serves to fill the space between the edge of the cover and the edge of the aperture, the said ring being pressed into position in the aperture by the cover.

Appellant frankly admitted in his brief that Reis applied the same use of pressure as appellant has done to the top of the plug for creating the seal, and that the principal parts provided by appellant were also involved in the construction of Reis; namely, the container, the plug, and the sealing ring.

The Examiner held, in effect, that the patent to Reis disclosed every feature of claim 49 except the shoulder on the plug to engage the sealing ring and force it into the tapered opening in the pressure vessel; that such a shoulder for such a purpose was clearly disclosed in a secondary reference by the patent to Paxman et al. for an improved joint for the cover of a pressure vessel having an opening in its wall; and that no invention on the part of appellant would be involved in providing the device of Reis with the shoulder disclosed by Paxman et al.

The Board in affirming the rejection of claim 49 for the reason last stated correctly pointed out that:

> The British patent to Paxman et al. shows in Figure 6 a vessel having an opening in its wall, the opening being tapered so as to converge toward the exterior of the vessel. A closure plug having a cylindrical surface is provided at its inner end with a shoulder which engages a flexible metallic sealing ring and forces it into the tapered opening. The greater the pressure against the plug in an outward direction, the greater will be the compression of the sealing ring.

The Board admitted that neither Reis nor Paxman et al. singly disclosed the total combination defined by the limitations of claim 49 nor the specific angular relationships of the surfaces of the closure plug, the ring, and the closure therein defined. Single references may be combined, however, to negative patentability. *In re Milne*, 31 CCPA (Patents) 918, 140 F.2d 1003, 60 USPQ 559, 563 O. G. 581; *In re Brenn*, 37 CCPA (Patents) 1086, 182 F.2d 187, 86 USPQ 102, 639 O. G. 1334.

There is no question that in Reis, as appellant urged, the plug is more tapered than the opening, which is the reverse of the structure claimed by appellant. However, the relationship of the particular sliding action of the surfaces of the elements of appellant's device are not defined by the limitations of claim 49, a fatal omission which the Board in its decision pointed out in detail.

Appellant may not rely for patentability upon fentures disclosed by the written description in his specification and drawings which are not pointed out and clearly defined by the limitations of the claims. *In re Custer*, 36 CCPA (Patents) 927, 173 F.2d 226, 81 USPQ 99, 622 O. G. 633.

Claims 47 and 48, drawn to the sealing ring, per se, in appellant's assembly, were likewise rejected as unpatentable over the cited prior art.

The patents to Bride and Bullington respectively disclose an improvement on sealing rings used for packing joints. Both references show rings with external and internal conical surfaces or sides, the vertex of the inner cone surface in the disclosure of each patent being a greater distance from the base than the vertex of the outer surface, as called for by the structure defined by claims 47 and 48. That Bullington's ring is of the split type, does not avoid the inclusion thereof in the broad language of the appealed claims.

The structural limitations set forth in the body of claim 47 define a complete and operative structure shown to be conventional by each of the disclosures of Bride and Bullington. Prior to the recitation of those limitations, claim 47 in an introductory clause calls for "A ring to be positioned between two differently tapered faces to provide a seal due to the relative movement of the member having the lesser taper and due to the pressure being exerted on such last member and the ring to form and maintain the seal."

[1] A preamble or introductory clause of that nature, which merely states a purpose independently of the structure otherwise completely defined by the claim, does not constitute an additional limitation of the subject matter defined by the claim. *In re Beplate et al.*, 22 CCPA (Patents) 1232, 77 F.2d 506, 25 USPQ 386, 460 O. G. 502. An exception to that rule governs only when the preamble or introductory clause gives meaning and vitality to the remainder of the claim. *In re Rockwell*, 32 CCPA (Patents) 1177, 150 F.2d 560, 66 USPQ 215, 580 O. G. 158. That is not the situation here.

The portion of claim 47 which follows the introductory clause is a sufficiently clear and self-contained description of structure so that the introductory clause, as a statement of the intended use or purpose of the structure, introduces no limitation into the claim and hence cannot be relied upon to confer patentability upon it.

What is true of claim 47 with respect to the actual structure defined by the limitations recited in the body of the claim is likewise true of claim 48 with respect to the additional functional statement that the trapezoid called for by the claim is positioned "for exposure to the pressure being sealed." Functional statements set forth in a claim cannot be relied upon to endow the claim with patentable subject matter. *General Electric Co. v. Wabash Corp.*, 304 U. S. 364, 491 O. G. 463.

The claimed sealing ring is definitely an old element, and an old element in a new combination of old elements is not patentable apart from the combination. *Great A. & P. Tea Co. v. Supermarket Equipment Corp.*, 340 U. S. 87 USPQ 303, 305, 642 O. G. 5.

[2] There is no question that the structure disclosed in appellant's application differs in certain respects from the structure of the inventions disclosed by the patents of the prior art. The rejected claims have not been drawn in such a manner, however, as to clearly distinguish appellant's invention from other inventions or as to avoid a rejection on the art of record.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,923,114, S. W. Partridge, Ink pad, filed Feb. 14, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c244, *S. W. Partridge v. Thomas Mfg. Sales Co.*

2,023,588, E. R. Heckroth, Polishing machine, filed Feb. 26, 1951, D. C., N. D. Ill., E. Div., Doc. 51c316, *Porter-Cable Machine Co. v. Knives & Saws, Inc.*

2,078,873, C. A. Binger, Mailing device with reply member, suit for declaratory judgment, D. C., S. D. N. Y., Doc. 55/324, *True Associates John Serrice Corp. v. Reply-O-Products Co. et al.* Stipulation and order of discontinuance (notice Mar. 8, 1951). Doc. 61/54, *The Reply-O-Products Co. v. The American Home Magazine Corp. et al.* Dismissed as to American Home Magazine Oct. 25, 1950; stipulation and order of discontinuance Mar. 8, 1951.

2,241,365, M. C. Meyer, Curved surface light reflecting ornament, D. C., S. D. N. Y., Doc. 49/531, *The Richelieu Corp. v. Harlem-Adler & Co. et al.* Stipulation and order of discontinuance Mar. 5, 1951.

2,422,497, S. E. Noyes, Dental impression composition, D. C., N. D. Ill. (Chicago), Doc. 48c928, *Dental Perfection Co. v. The William Getz Corp. et al.* Judgment on stipulation against Wallace A. Erickson & Co.; patent held valid and infringed, injunction Mar. 7, 1951.

2,425,966, E. H. Tjomsland, Shuffleboard weight, D. C. N. J. (Trenton), Doc. 322/49, *Vibro Vito Products Co. et al. v. Sun-Glo Shuffleboard Supplies, Inc., et al.* Dismissed Mar. 2, 1951.

2,470,265, H. Richter, Setting apparatus for textile fabrics, filed Mar. 9, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12025, *Paramount Textile Machinery Co. v. Turbo Machine Co. et al.*

2,479,416, C. G. Schnurer, Backless garment, filed Mar. 9, 1951, D. C., S. D. N. Y., Doc. 64/380, *C. Schnurer, Inc. v. Blue Star Dress Co. et al.*

2,531,234, P. H. Seckel, Longitudinally separable extruded thermoplastic strip and process of producing same, filed Mar. 5, 1951, D. C., S. D. N. Y., Doc. 64/333, *R. A. Finch v. World Plastex, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 145,335. (See T. M. 441,675.)

T. M. 196,082. (See T. M. 399,825.)

T. M. 216,906, Guerlain Perfumery Corp. of New York, Perfumes, D. C., S. D. N. Y., Doc. 63/60, *Guerlain, Inc. v. Degrasse Grandee Corp.* Consent judgment holding trade-mark valid; injunction (notice Mar. 3, 1951).

T. M. 222,662, C. D. Newton, Photographic print; T. M. 536,960, The Fox Co., Film development and process printing of both movie and still film, filed Jan. 30, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c171, *The Fox Co. v. E. E. Dillon.*

T. M. 260,339. (See T. M. 399,825.)

T. M. 267,557. (See T. M. 441,675.)

T. M. 275,382. (See T. M. 399,825.)

T. M. 280,756. (See T. M. 441,675.)

T. M. 304,471, The Crosley Radio Corp., Electrical refrigerators, filed Jan. 26, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c160, *Arco Mfg. Corp. v. Admiral Corp.*

T. M. 318,056. (See T. M. 441,675.)

T. M. 328,597. (See T. M. 399,825.)

T. M. 339,318, Celanese Corp. of America, Piece goods, filed Mar. 9, 1951, D. C., S. D. N. Y., Doc. 64/378, *Handmacher-Vogel, Inc. v. Bellmore Dress Co., Inc., et al.*

T. M. 370,742. (See T. M. 441,675.)

T. M. 390,181. (See T. M. 441,675.)

T. M. 399,825, Plee-Zing, Inc., Dried fruits and canned vegetables; T. M. 328,597, same, Mushrooms, corn syrup, tea, etc.; T. M. 196,082, same, Coffee, tapioca and cornstarch, etc.; T. M. 275,382, same, Apple sauce, boned chicken, dessert powders, etc.; T. M. 260,339, same, Mincemeat, canned salmon, D. C., S. D. Ind. (Indianapolis), Doc. 2301, *Plee Zing, Inc. v. Ladoga Canning Co.* Injunction Jan. 8, 1951.

T. M. 418,993. (See T. M. 441,675.)

T. M. 428,410. (See T. M. 441,675.)

T. M. 429,134. (See T. M. 441,675.)

T. M. 430,571. (See T. M. 441,675.)

T. M. 432,059. (See T. M. 441,675.)

T. M. 433,547. (See T. M. 441,675.)

T. M. 439,886. (See T. M. 441,675.)

T. M. 441,221, Man-Ca, Inc., Packaged sandwiches and packaged cakes, D. C., N. D. Calif. (San Francisco), Doc. 28579, *Kuster Laboratories v. R. Lee.* Injunction Mar. 7, 1951.

T. M. 441,675, Sunbeam Corp., Buffet service sets; T. M. 442,875, same, Replaceable filter elements for coffeemakers; T. M. 145,335, same, Electric flatirons; T. M. 267,557, same, Electric percolators and electric lighters for pipes, cigars and cigarettes; T. M. 280,756, same, Electrical food mixers, waffle irons and clocks; T. M. 318,056, same, Electrically operated devices; T. M. 370,742, same, Electric dry shavers and parts thereof; T. M. 390,181, same, Electric grills, toasters, table stoves, etc.; T. M. 418,993, same, Industrial furnaces for heat treating metals; T. M. 428,410, same, Electric clock; T. M. 429,134, same, Merchandise display stands, kitchen cabinets, etc.; T. M. 430,571, T. M. 432,059, same, Receptacles for household use; T. M. 433,547, same, Animal shearing and clipping machines; T. M. 439,886, same, Electric hedge trimmers and parts thereof, filed Feb. 7, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c219, *Sunbeam Corp. v. Sunbeam Furniture Corp. et al.*

T. M. 442,875. (See T. M. 441,675.)

T. M. 536,960. (See T. M. 222,662.)

NOTICES

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extension of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (630 O. G. 1066).

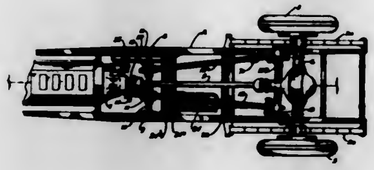
Any person who believes that he would be injured by the extension of any of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentees.

Brooks Walker, 1,742,566, January 7, 1930
Brooks Walker, 1,853,326, April 12, 1932
Brooks Walker, 1,884,932, October 25, 1932
Brooks Walker, 1,884,933, October 25, 1932
Brooks Walker, 1,948,951, February 27, 1934
Brooks Walker, 1,990,150, February 5, 1935
Brooks Walker, 2,002,724, May 28, 1935
Brooks Walker, 2,005,173, June 18, 1935
Brooks Walker, 2,016,619, October 8, 1935
Brooks Walker, 2,075,877, April 6, 1937
Brooks Walker, 2,077,135, April 13, 1937
Brooks Walker, 2,131,306, September 27, 1938
Brooks Walker, 2,139,341, December 6, 1938
Brooks Walker, 2,158,736, May 16, 1939
Brooks Walker, 2,180,024, November 14, 1939
Brooks Walker, 2,276,896, March 17, 1942
Brooks Walker, 2,276,897, March 17, 1942
Brooks Walker, 2,276,898, March 17, 1942
Brooks Walker, 2,301,485, November 10, 1942
Brooks Walker, 2,311,716, February 23, 1943
Brooks Walker, 2,337,074, December 21, 1943
Brooks Walker, 2,355,931, August 15, 1944
Brooks, Walker, Re. 18,904, July 25, 1933
Brooks Walker, Re. 20,707, August 26, 1938

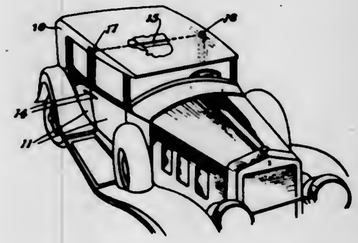
JOHN A. MARZALL,
Commissioner.

1,742,566
PARKING DEVICE
Brooks Walker, Piedmont, Calif. Granted Jan. 7, 1930
19 Claims. (Cl. 180—1)



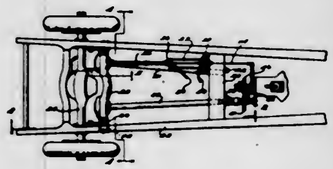
1. The combination with a transmission shaft and the main frame of a motor driven vehicle, a shaft extended crosswise of the main frame, a jack shaft pivotally connected at one end with the cross shaft, the opposite end of the jack shaft being free to swing to occupy a raised position parallel to a traction surface or a lowered position with the free end thereof in substantial contact with the traction surface, a roller on the free end of the jack shaft and engageable with the traction surface when the free end of the jack shaft is lowered, a gear secured on the jack shaft adjacent the pivotal end thereof, a gear on the transmission shaft, said jack shaft gear adapted to be moved into and out of mesh with the transmission shaft gear during pivotal movement of the jack shaft and a resilient connection formed between one end of the cross shaft and the main frame permitting yielding movement of the cross shaft, the jack shaft and the jack shaft gear if the jack shaft gear and the transmission shaft gear do not mesh during engagement.

1,853,326
LOCKING APPARATUS FOR SEDAN BODIES OF AUTOMOBILES
Brooks Walker, Piedmont, Calif. Granted Apr. 12, 1932
1 Claim. (Cl. 70—14)



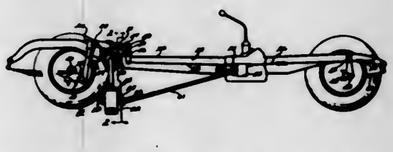
Locking means for a vehicle of the closed type having a door at each side thereof and wherein each door is formed with a keeper socket adjacent the upper edge of the door including a one piece rigid rotatable bolt-shaft journalled transversely of the vehicle body and disposed transversely and horisontally above the upper edges of said doors, bolts associated with the shaft, each of said bolts being associated with its respective keeper socket, in each of said doors, whereby rotation of the shaft will place said bolts into or out of register with said keeper sockets, and key controlled means operative from the exterior of the body to revolve said shaft and thereby actuate the bolts.

1,884,932
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted Oct. 25, 1932
19 Claims. (Cl. 180—1)



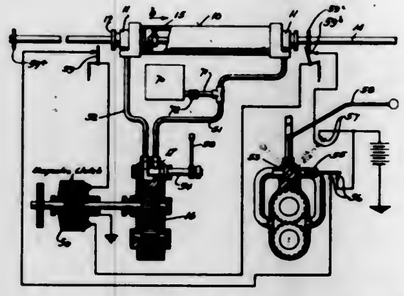
1. A lifting and traversing device for a vehicle having means for retaining it in retracted position on the frame, said device being movable relative to the vehicle frame in the vehicle raised position and including vehicle wheel lifting devices mounted on said device and means for lowering the said device for raising the vehicle partly through the vehicle spring.

1,884,933
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted Oct. 25, 1932
26 Claims. (Cl. 180—1)



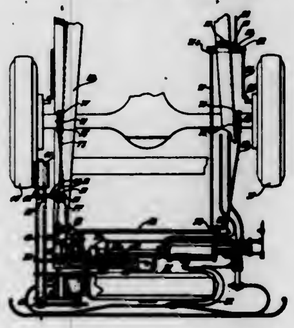
1. A device for lifting one end of a vehicle in combination with automatically actuated means for anchoring the unelevated end of the vehicle to the axle thereof, to effect a two way stability between said axle and said frame.

1,948,951
HYDRAULIC POWER UNIT
Brooks Walker, Piedmont, Calif. Granted Feb. 27, 1934
3 Claims. (Cl. 60—52)



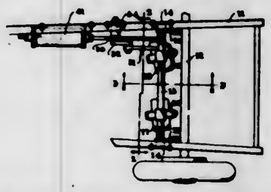
1. A hydraulic power unit including a piston and a cylinder, a fluid pump for actuating said piston, said pump having an associated reversing valve for reversing the fluid flow to said cylinder, a power driven shaft for operating said pump, an electromagnetically actuated clutch for forming a connection between said pump and said power shaft, an electrical circuit for controlling said electromagnet including a switch which is actuated by the piston travel, and a second switch controlled by the valve mechanism, both switches acting to cause said clutch to only engage during one complete stroke for each position of said reversing valve.

1,990,150
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted Feb. 5, 1935
18 Claims. (Cl. 180—1)



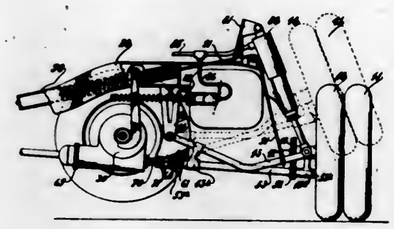
1. A device for lifting the driving wheels of a vehicle away from the roadway and supporting the lifted end of the vehicle on an auxiliary single wheel in combination with means for forming a driving connection between said single wheel and one of the elevated vehicle wheels while at the same time providing means for setting the service brake on the other elevated vehicle wheel.

2,002,724
MOTOR VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted May 28, 1935
2 Claims. (Cl. 180—1)



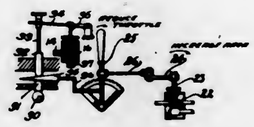
1. A lifting and traversing device for a vehicle having means for partially raising and lowering said device, including a cylinder with a piston reciprocally mounted therein operatively associated with the intake manifold of the vehicle motor, and additional means including the traction of the wheels at the unelevated end of said vehicle, both said cylinder and said traction coacting to effect the lifting or lowering at one end of said vehicle.

2,005,173
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted June 18, 1935
9 Claims. (Cl. 180—1)



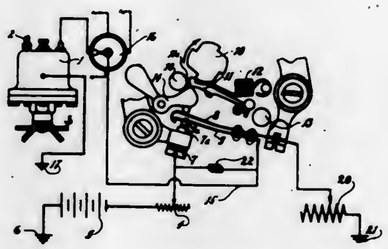
1. The combination with a motor vehicle of a structure mounted on said motor vehicle adapted to support two spare tires at the rear end of said vehicle, means for imparting movement to said structure to cause said tires to engage the ground at each side of the vehicle longitudinal center and lift two wheels of said vehicle out of engagement with the ground.

2,016,619
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Brooks Walker, Piedmont, Calif. Granted Oct. 8, 1935
3 Claims. (Cl. 123—32)



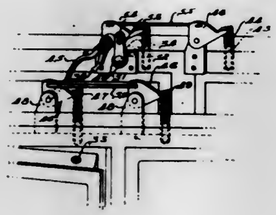
1. In a circuit for a fuel injection system of the rail pressure type, the combination of a fuel injection valve, mechanism for operating said valve, a throttle control for regulating the crank angle of discharge of said valve, said mechanism adapted to open said valve for a constant crank angle of duration at a given throttle setting, a fuel pump for supplying fuel under pressure to the pressure rail, a bypass valve continuously connected to said pressure rail, exterior means for adjusting the area of said bypass, the area remaining fixed for any given adjustment regardless of engine speed, an interconnection between said exterior means and said throttle control so as to vary the bypass adjustment and the crank angle of discharge simultaneously.

2,075,877
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Brooks Walker, Piedmont, Calif. Granted Apr. 6, 1937
8 Claims. (Cl. 123—32)



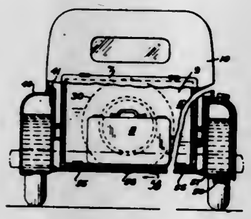
1. The combination of a reciprocable device, an electromagnet including a coil which operates said device, a circuit including said coil which moves said device in one direction, means which moves said device in the other direction, a second circuit with a variable resistance including said coil for controlling the rate of decline of flux in the electromagnet, and switch means which periodically breaks the first circuit and makes the second circuit.

2,077,135
DOOR LOCKING MECHANISM
Brooks Walker, Piedmont, Calif. Granted Apr. 13, 1937
3 Claims. (Cl. 292—33)



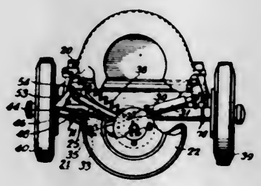
1. In a vehicle body having pairs of doors disposed on opposite sides thereof, said doors having apertures in the top rail remote from the hinged side, means above said doors projectable in said apertures, biasing means for retrieving said projectable means from said apertures, and means disconnected from said projectable means for moving said projectable means into said apertures.

2,131,306
MOTOR VEHICLE
Brooks Walker, Piedmont, Calif. Granted Sept. 27, 1938
4 Claims. (Cl. 280—5)



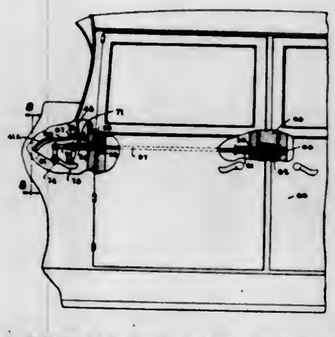
1. In an automobile including a body supported on wheels, fenders for said wheels at least one whereof has a side extended downwardly forming a skirt, and has a tank wholly contained therein behind said skirt and of a width substantially equal to the width of the fender.

2,139,341
MOTOR VEHICLE
Brooks Walker, Piedmont, Calif. Granted Dec. 6, 1938
5 Claims. (Cl. 180—1)



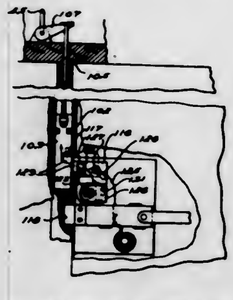
2. In combination with an automotive vehicle, regular vehicle supporting wheels, a spare wheel for said vehicle, mechanism connecting said wheel with the chassis of the vehicle and capable of operation for moving the same between an upper ineffective position and a lower position in which it is effective to lift the vehicle and move it transversely, a receptacle connected with said vehicle to partially enclose said spare wheel when the same is in its upper or ineffective position, the said receptacle having an opening in the lower portion thereof through which said wheel may move when it is lowered to its effective position, the axis of said auxiliary wheel being at substantially right angles to the axis of the regular vehicle wheels.

2,158,736
LOCKING APPARATUS FOR VEHICLE BODY DOORS
Brooks Walker, Piedmont, Calif. Granted May 16, 1939
22 Claims. (Cl. 70—264)



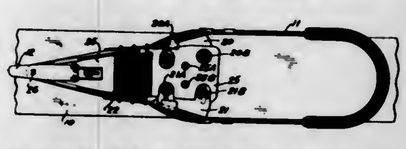
22. In a vehicle body having a front door, a rear door, and a pillar intermediate said doors, the combination with a first locking element carried by said rear door and a second locking element carried by said pillar cooperable with said first locking element to retain said rear door in closed position, of manually operable means carried by said body and associated with said locking elements for releasing the latter from cooperative relation to each other, said second locking element being covered by said front door in the closed position of the latter.

2,160,624
DOOR LOCKING MECHANISM
Brooks Walker, Piedmont, Calif. Granted Nov. 14, 1939
4 Claims. (Cl. 70—264)



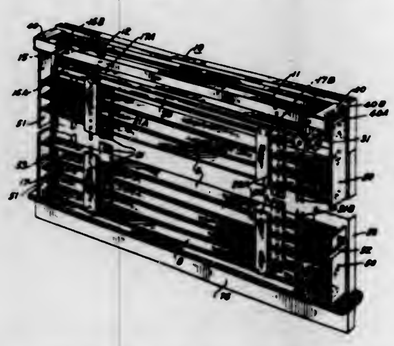
1. In an automotive vehicle having a plurality of doors provided with dovetails, the combination with mechanism disposed across the vehicle and adjacent to the pillars thereof having portions movable into the path of the door dovetails, a latch bolt associated with one of said doors and a handle selectively movable in a bolt releasing direction for releasing said bolt, and means actuated by the handle when moved in a non-bolt releasing direction for actuating said mechanism.

2,276,896
SKI BINDING
Brooks Walker, Piedmont, Calif. Granted March 17, 1942
5 Claims. (Cl. 280—11.35)



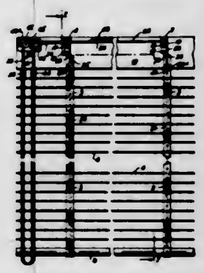
1. In combination a ski binding and a ski, said binding including a pair of toe plates, each including a substantially vertical member, one of said toe plates being rigidly secured to said ski, the other toe plate being yieldably urged to a normal position, said vertical member of the movable toe plate being so mounted that it will move outward bodily from end to end on application of excess pressure and returning to said normal position automatically when said excess pressure is removed, the vertical member of said movable toe plate remaining substantially vertical during the outward movement.

2,276,897
VENETIAN BLIND
Brooks Walker, Piedmont, Calif. Granted March 17, 1942
2 Claims. (Cl. 156—17)



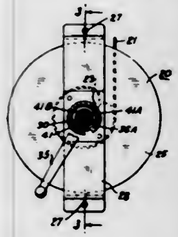
1. A Venetian blind attachable to a window frame, including in combination, a headet rail, brackets for supporting said header bar on said frame, said bracket having integral holding means, a plurality of horizontally disposed slats, vertically disposed tapes for supporting said slats on said rail, and a pair of vertical slats releasably secured to said brackets by said holding means and extending downwardly adjacent the ends of said horizontal slats for sealing the ends of the slats to said window frame.

2,276,898
VENETIAN BLIND
Brooks Walker, Piedmont, Calif. Granted March 17, 1942
12 Claims. (Cl. 156—17)



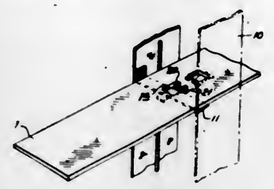
1. A Venetian blind supporting means, including a main support, a plurality of blind slats suspended by flexible elements from said main support, said flexible elements including front and rear portions relative to said slats, a fascia element at the top of said blind, one side of said flexible element rigidly secured to said fascia, a support for said fascia, flexible lifting elements for collapsing and tilting said slats, pulleys for said flexible elements, said pulleys supported at least partially by said fascia support.

2,301,485
VENETIAN BLIND
Brooks Walker, Piedmont, Calif. Granted Nov. 10, 1942
15 Claims. (Cl. 160—170)



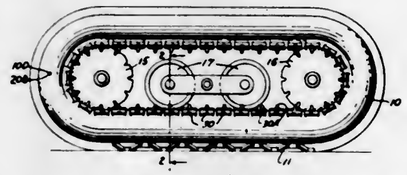
1. A Venetian blind lifting device, including a drum, a handle for manually turning said drum, and an automatic brake for resisting rotation of said drum in one direction of rotation of said drum more than in the other direction.

2,311,716
VENETIAN BLIND SLAT
Brooks Walker, Piedmont, Calif. Granted Feb. 23, 1943
14 Claims. (Cl. 160—178)



1. In combination a Venetian blind slat, a ladder tape having a flexible cross rung for supporting said slat, and means for securing said slat to said cross rung comprising a flexible element formed from said slat, the edge of said slat being continuous and uncut adjacent said ladder tape.

2,337,074
TRACK FOR TRACK-LAYING VEHICLES
Brooks Walker, Piedmont, Calif. Granted Dec. 21, 1943
6 Claims. (Cl. 305—10)



1. A track for a track-laying vehicle, comprising a double-tube tire, and a rim for said tire, said rim composed of a multiplicity of rigid segments, each having a clincher rim on two sides only of said segments, and a driving sprocket for said track, some of said rim segments being provided with a tooth adapted to engage said driving sprocket.

2,355,931
UNIT LOG HANDLING EQUIPMENT
Brooks Walker, Arlington, Va. Granted Aug. 15, 1944
4 Claims. (Cl. 214—38)



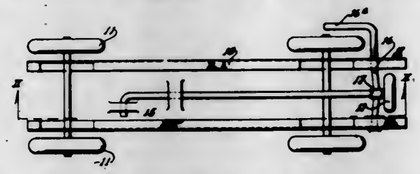
1. Equipment of the class described, including means for binding in a substantially rigid load unit, logs or the like, arranged in horizontal courses, said means having means for binding the logs of the lower course tightly together, the logs of the second course being located in the saddles of the said lower course, thereby increasing the tension on the binding means of the lower course, and means for binding the successive courses upon the lower course and upon one another.

Re. 18,904
PARKING DEVICE FOR AUTOMOBILES
Brooks Walker, Piedmont, Calif. Granted July 25, 1933
25 Claims. (Cl. 180—1)



22. The combination with a vehicle raising device, of a ground engaging member adapted to travel a transverse arcuate path about a point disposed at one side of the vehicle center line to a vehicle raised position approximately under the longitudinal axis of the vehicle.

Re. 20,707
VEHICLE LIFTING AND TRAVERSING DEVICE
Brooks Walker, Piedmont, Calif. Granted Apr. 26, 1938
11 Claims. (Cl. 180—1)



3. A raising and lowering device for a wheeled vehicle having a main axle and wheel assembly associated therewith comprising in combination, an auxiliary wheel, an axle for said auxiliary wheel, a support for said auxiliary axle pivotally connected to said main axle, means to swing said support about said pivot to raise and lower said auxiliary wheel, a gear carried by and rotatable with said main axle, and a cooperating gear carried by said auxiliary axle and disposed to mate with said first gear.

Correction

All references to Patent No. 2,547,017 to Shelley Krasnow and Leon F. Curtiss, assignors to Schlumberger Well Surveying Corporation, for Method and Apparatus for Measuring Radioactivity, appearing in the OFFICIAL GAZETTE of April 3, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

All references to Patent No. 2,547,218 to Shelley Krasnow and Leon F. Curtiss, assignors to Schlumberger Well Surveying Corporation, for Multiple Element Radioactive Ray Recording, appearing in the OFFICIAL GAZETTE of April 3, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

Interference Notice

Kent Cox, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Design Patent No. 154,991, granted August 30, 1949, to Kent Cox, Box 528, Far Hills, Ohio, and the application for patent of Harry L. Ratchford, No. 300 North Calvert Ave., Muncie, Indiana. The notice of such declaration sent by registered mail to the party Cox at the address indicated has been returned by the Post Office as undeliverable. Said notice, together with copies of Office actions, was then reforwarded by registered mail to Holiness Church Mission, Seoul, Korea, the address supplied by counsel for Cox, but was returned with the notation "Service Suspended" endorsed on the envelope. The Office therefore has been unable to secure service upon the party Cox. Notice is hereby given that unless said Cox, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner.

Mar. 26, 1951.

Adjudicated Patents

(D. C. Ill.) Goodwin Patent No. 2,053,989, for a bolster damper. Claim 10 *Held* not infringed. *Holland Co.* v. *American Steel Foundries*, 95 F. Supp. 273; 87 USPQ 370.

(D. C. N. J.) Cunnyngham Patent No. 2,112,074, for a hair curler, *Held* invalid. *Tip Top Products Co.* v. *Solo Products Corp.*, 95 F. Supp. 256.

(D. C. N. J.) Solomon Patent No. 2,145,278, for a hair curler, *Held* invalid. *Id.*

(D. C. N. J.) Solomon Patent No. 2,168,368, for a slumber curler, *Held* invalid. *Id.*

(C. A. N. Y.) Sobel Patent No. 2,435,164, for a fluorescent hand lamp. Claims 1–3 *Held* invalid. *Paramount Industries* v. *Solar Products Corp.*, 186 F.2d 999; 88 USPQ 233.

Classification Bulletins Nos. 397 and 399

The following Classification Bulletins are available from the Commissioner of Patents at the price indicated:

Classification Bulletin No. 397 containing Classification Orders Nos. 62 through 87 pertaining to the classification of subjects of invention revised by the Classification Group of the United States Patent Office during the period from February 16, 1950, through November 24, 1950, price 50¢.

Classification Bulletin No. 399 containing Classification Orders Nos. 89 through 93 pertaining to the classification of subjects of invention revised by the Classification Group of the United States Patent Office and includes Class 185, Motors, Spring, Weight and Animal Powered, price 10¢.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,536,279. Holder for Grinding Lathe Tool Bits. Patented Jan. 2, 1951. Holder consists of a main elongated part of bar stock with a reduced forward end, and a plate to be clamped on reduced end to hold a bit therebetween. Reduced end and bottom of plate are formed with aligned longitudinal V-shaped grooves to receive a bit. One set screw clamps the plate to the reduced end to hold bit during grinding operations, and a second set screw prevents the plate from turning. Forward end of holder is tapered to permit close approach to a grinding wheel. (Owner) Otto R. Grube, 252 Liverpool Ave., Egg Harbor City, N. J. Groups 33—51; 35—43. Reg. No. 40,682.

Pat. 2,526,687. Cast Iron Melting Vessel With Graphite Plugs Therein. Patented Oct. 24, 1950. A cast iron melting pot has spaced plugs cast into outer firing surface to prevent cracking of the pot during rapid temperature changes. The plugs are formed of graphitic material having a heat-conductivity greater than that of cast iron. Particularly useful in non-ferrous plants where speed in heating aluminum or magnesium is of chief importance. The plugs may also be applied to the surfaces of other articles such as plates, furnace elements, etc. (Owner) Clinton A. Reams, 1721 19th St., N. W., Washington 9, D. C. Groups 33—99; 34—41—42—91; 35—59. Reg. No. 40,683.

Pat. 2,537,828. Window Shade Pull or Operator. Patented Jan. 9, 1951. A pull clip for window shades comprises a U-shaped metal clamp with prongs to pierce the curtain hem and drop stick. A knurled laterally extending finger-engaging portion extends from the clamp for use in raising or lowering the shade. Modifications are shown. (Owner) Frank A. Hoffman, 321 South Main St., Homer City, Pa. Groups 33—59—73; 39—99; 40. Reg. No. 40,684.

Pat. 2,533,378. Roofing. Patented Dec. 12, 1950. A strip roofing composed of flexible sheet material is so cut as to simulate, when laid, individual shingles. A body portion has one straight edge, and the other side has alternating recesses and shingle tabs. Diagonal slots adjacent the recesses receive tongues extending from the shingle tabs of an overlying strip to lock the shingle tabs so as to prevent the tabs from becoming loosened or warped. Any suitable material, such as plastic or the like, which is flexible, tough, and waterproof may be used. (Owner) Hadi King, 9043 Mel-Dar St., Rivera, Calif. Groups 29—32; 39—81. Reg. No. 40,685.

Pat. 2,531,551. Minnow Holder. Patented Nov. 28, 1950. Cone-shaped holder and conveyor for scooping a minnow into position for baiting a fishing hook. The holder has a perforated dipping scoop at one end and a draining nozzle at other end. Adjacent the nozzle is a trap having a hinged gate. The trap and gate have a series of tongues, the free ends of which form slots to permit insertion of a fishing hook into trapped minnow. (Co-owner) R. W. Brecht, 1223 South 7th St., Brainerd, Minn. Group 39—49. Reg. No. 40,686.

Pat. 2,537,540. Means and Method for Cutting Blanks From Thin Sheets or Strips of Metal. Patented Jan. 9, 1951. Machine for stamping blanks such as can-end blanks from continuous strip material using double dies to cut a series of blanks at each stroke of the punch head, with a minimum of wastage. The material is fed to the first die, and the cuts are a thread away from a second die. The second die cuts two can-end blanks, one from the reserve area and one from the area spaced from the aperture formed by the first cut. The second step is repeated until the other end of the stock is reached. (Owner) Z. Minerva Messenger, Executrix of Estate of Robert W. Messenger, 4416 Marble Hall Road, Baltimore 18, Md. Groups 33—31—73; 35—43. Reg. No. 40,687.

Pat. 2,432,206. Ladder Step. Patented Dec. 9, 1947. Step attachment may be removably mounted at any desired height on a standard ladder to support feet of user while painting, etc. A pair of spaced double hook members are each formed with an intermediate horizontal tread portion on which a tread plate is mounted, the tread portions being shaped to fit over rung of ladder. Each member has a spring hook at upper end to fit over an upper rung, and a U-shaped hook at lower end to fit over a lower rung. Chains secured to tread plate may be detachably connected to the upper spring hooks to brace and lock the device in position. (Owner) J. Howard Mott, 1272 Medford Ave., Topeka, Kans. Groups 25—99; 33—59—73. Reg. No. 40,688.

E. I. du Pont de Nemours and Company offers the following four patents for licensing on reasonable terms. Inquiries concerning these patents should be addressed to: Legal Department, E. I. du Pont de Nemours and Company, Wilmington, Del.

Pat. 2,098,984. Dehydro-Sterol Compounds and Manufacture Thereof. Patented Nov. 16, 1937. Process of producing 7-dehydrosterols by reducing a sterol ester with metallic alcoholate, esterifying the resulting hydroxy sterol mono-ester, and heating the hydroxy sterol di-ester. Group 28—31. Reg. No. 40,689.

Pat. 2,098,985. 7-Hydroxy-Cholesterol. Patented Nov. 16, 1937. As a new product, 7-hydroxy cholesterol. Group 28—31. Reg. No. 40,690.

Pat. 2,099,550. Antirachitic Vitamin. Patented Nov. 16, 1937. Crystalline Vitamin D_3 and its m-dinitrobenzoic acid ester as new products. Process of isolating and purifying Vitamin D_3 by esterification of crude product with m-dinitrobenzoyl chloride. Group 28—31. Reg. No. 40,691.

Pat. 2,264,320. Vitamin D_3 Double Compounds. Patented Dec. 2, 1941. Double compounds of Vitamin D_3 with a member of the group consisting of cholesterol, cholestanol, and coprosterol. Group 28—31. Reg. No. 40,692.

Pat. 2,533,534. Toy Bathtub. Patented Dec. 12, 1950. Toy bathtub can be filled with water from a compressible container in bottom of tub and the water may be drained back into the container by removing a drain plug. A vertically movable support below the water container has two yoke members which extend upwardly on either side of a discharge tube at end of tub for operating the support. (Owner) Thomas E. Tellefsen, 518 East 79th St., Seattle 5, Wash. Groups 30—51; 39—41. Reg. No. 40,693.

Pat. 2,522,805. Air Cleaner and Humidifier. Patented Sept. 19, 1950. A humidifier for internal-combustion engines is removably attached to the carburetor. A sleeve extends upwardly through the casing and forms a liquid-receiving chamber. Air enters an inlet in side of device through a chute and passes through the liquid chamber into the carburetor. Alternately spaced baffles on wall of device and on the sleeve compel the air to follow a tortuous path. Spray nozzles charge the air in the chamber with a liquid mist. (Owner) Glenn J. Smart, Box 193, Lander, Wyo. Groups 35—19; 37—22; 38—31. Reg. No. 40,694.

Pat. 2,522,693. Fertilizer Spreader Machine. Patented Sept. 19, 1950. A manually controlled fertilizer spreading machine to be connected to a tractor or other motive device. A hopper has spaced discharge openings along the bottom portion. A power-driven agitator and a screw conveyor are interconnected by gears which connect with the drive shaft. Shift levers are provided whereby the agitator and conveyor may be manually controlled and operated at the desired speed to step up or retard the amount of fertilizer being distributed. (Owner) William H. Stiteler, P. O. Box 968, Brawley, Calif. Group 35—22. Reg. No. 40,695.

The Procter & Gamble Company hereby grants, effective as of March 15, 1951, a free, irrevocable, and unlimited license to the general public of the United States and its possessions to practice the inventions of and to make, use, and sell the compositions disclosed and claimed in the patents listed below, no rights to use any of The Procter & Gamble Company's trade-marks being hereby granted:

Pat. 2,024,357.[1] Method of Making Cake. Patented Dec. 17, 1935. Cake batter emulsions including flour, sugar, shortening, and aqueous material, and having as a constituent thereof a lipin of the class consisting of phosphates, sulfates, and sulfonic acid derivatives; also, methods of making such emulsions, and baked products made therewith. Group 20—51—92. Reg. No. 40,696.

Pat. 2,132,393. Shortening and Method of Making Same. Patented Oct. 11, 1938. Plastic shortening comprising a major proportion of fat consisting of solid and liquid triglycerides and at least about 4% of monoglycerides and/or diglycerides of predominantly unsaturated higher fatty acids, said mono- and diglycerides being without substantial stiffening effect on the shortening; also, process of making such a shortening. Super-glycerinated shortenings of this character are especially useful in the making of cakes containing more sugar than flour. Group 20—51—92. Reg. No. 40,697.

Pat. 2,132,394. Shortening and Method of Making Same. Patented Oct. 11, 1938. Plastic shortening containing at least 2% of hard fat of the monoglyceride type, together with softer fat of the triglyceride type, the amount of the hard fat being sufficient to stiffen the mixture substantially and, as compared with the same proportion of triglyceride and diglyceride hard fats, to effect substantial increase in the volume of cakes prepared with the shortening and containing more sugar than flour; also, method of making such a shortening. Group 20—51—92. Reg. No. 40,698.

Pat. 2,132,395. Compositions of Matter. Patented Oct. 11, 1938. Substantially dry prepared flour-containing mixtures comprising shortening including monoglycerides and/or diglycerides of fatty acids, which may be mixed with milk or water (and other ingredients if desired) and made into a dough or batter, and baked to produce cakes, rolls, muffins, biscuits, waffles, and similar food products. Because of their mono- and diglyceride content these products are of improved appearance, volume, and eating qualities. Cakes of high sugar content having a superior lightness and tenderness may be made from these prepared mixtures. Group 20—51—92. Reg. No. 40,699.

Pat. 2,132,398. Shortening and Process of Making Same. Patented Oct. 11, 1938. Improving substantially dry plastic shortening by embodying therein, along with a major proportion of triglyceride fat, a smaller proportion of hydroxy fatty ester containing at least 2 unesterified hydroxyl groups and consisting of polyhydroxy substance containing more than 3 carbon atoms in the molecule incompletely esterified with higher fatty acid, the amount of the hydroxy ester being sufficient to effect substantial reduction in shrinkage at the end of baking of cakes containing more sugar than flour in which the shortening is incorporated. Group 20—51—92. Reg. No. 40,700.

Pat. 2,132,406. Method of Making Shortening. Patented Oct. 11, 1938. Method of producing shortening material by heating a portion of liquid oil in the presence of glycerin to produce a glyceride ester having at least one free hydroxyl group, mixing the resulting product with a further portion of liquid oil, and hydrogenating the mixture. Group 20—51—92. Reg. No. 40,701.

Pat. 2,132,416.[1] Shortening Material and Cake Made Therefrom. Patented Oct. 11, 1938. Substantially dry shortening comprising not less than 98% triglyceride fat and not less than 1% higher fatty acid monoglyceride, said shortening functioning to increase the uniformity of distribution of moisture in flour batter emulsions containing much more aqueous material than flour; also, flour batter emulsions and baked cakes containing oleaginous material of the aforesaid character. Group 20—51—92. Reg. No. 40,702.

Pat. 2,132,417.[1] Cake. Patented Oct. 11, 1938. A shortening composition containing a higher fatty acid ester of a poly-glycerol with at least 2 free hydroxyl groups, and a higher fatty acid ester of glycerin with at least 2 free alcoholic hydroxyl groups, the proportion of the polyglycerol ester being greatly in excess of the proportion of glycerin ester; also, a cake batter emulsion containing such esters in the aforesaid proportions; also, a method of producing such an improved cake batter; also, a cake containing such esters in the aforesaid proportions. Group 20—51—92. Reg. No. 40,703.

Pat. 2,132,436.[1] Food Material and Method of Making Same. Patented Oct. 11, 1938. Substantially dry prepared flour compositions containing flour, shortening, and a hydroxy fatty ester having at least one unesterified hydroxy group and consisting of a polyhydroxy substance containing more than 3 carbon atoms incompletely esterified with higher fatty acid, the amount of the ester being sufficient to materially improve the texture, tenderness, and keeping qualities of the baked goods in which the composition is used; also, a process for improving baked flour products which comprises the preparation and use of such flour-containing compositions. Group 20—51—92. Reg. No. 40,704.

Pat. 2,132,437. Preparing Edible Fat. Patented Oct. 11, 1938. The method of preparing superglycerinated fat for use in cooking by subjecting triglyceride fat to steam deodorization and adding thereto during the latter part of said deodorization a smaller quantity of fat containing monoglycerides and/or diglycerides derived from previously deodorized triglyceride fat, and continuing the deodorization for a further period. Group 20—51—92. Reg. No. 40,705.

Pat. 2,132,687.[1] Shortening Material and Cake Made Therefrom. Patented Oct. 11, 1938. A substantially dry shortening material containing about 1 to 2% of a higher aliphatic ester of a glycol, said ester containing an unesterified glycol hydroxyl group; also, a flour batter emulsion containing such oleaginous material; also, a baked flour product containing such materials. Group 20—51—92. Reg. No. 40,706.

Pat. 2,132,700.[1] Method of Preparing Yeast Raised Doughs. Patented Oct. 11, 1938. Preparing yeast raised doughs from a flour base, including the step of incorporating fatty shortening having a free flowing consistency and containing monoglycerides and/or diglycerides of predominantly unsaturated fatty acids in quantities sufficient to produce a tenderizing effect on the edible product baked from the dough; also, the process of preparing baked products from such doughs. Group 20—51—92. Reg. No. 40,707.

Pat. 2,132,701.[1] Shortening and Method of Baking Therewith. Patented Oct. 11, 1938. A substantially dry shortening agent containing a plastic mixture of solid and liquid fat and consisting principally of glycerol esters of predominantly unsaturated higher fatty acids, the glycerol radicals of said esters containing at least one unesterified hydroxyl group; also, the process of preparing cakes, biscuits, breads, rolls, and like products including the step of incorporating such a plastic mixture. Group 20—51—92. Reg. No. 40,708.

Pat. 2,158,775.[1] Cake Batter and Shortening for Making Cake. Patented May 16, 1939. Dry shortening containing a sulfated triglyceride; also, cake batter emulsions and cake containing such a triglyceride. Group 20—51—92. Reg. No. 40,709.

[1] Those claims of the patents marked (1) which relate to the making of cakes, biscuits, breads, rolls, and like products were included in The Procter & Gamble Company's public license grant which was published in the Official Gazette of the United States Patent Office on March 23, 1948. Additional patents included in the 1948 grant were: 1,971,886, 2,061,121, 2,123,880, 2,132,396, and 2,132,397.

Royalty-Free Patents

E. I. du Pont de Nemours and Company, of Wilmington 98, Del., hereby grants to the Government and People of the United States of America a royalty-free irrevocable license under the following two patents to make, use and/or sell tooth-restoration compositions, dental prostheses, plastic denture materials, dental plate blanks, or other dental restorative materials.

Pat. 2,101,107. Molding Compositions and Process of Molding. Patented Dec. 7, 1937. Polyfunctional monomer/polymer molding compositions. Groups 28—83; 39—17. Reg. No. 40,710.

Pat. 2,120,006. Molding Organic Compounds. Patented June 7, 1938. Monomer/polymer molding compositions, process for molding said compositions, and molded articles obtained. Group 28—83; 39—17. Reg. No. 40,711.

Patent Removed From Register

Pat. 2,519,571. Cowl Fastener. Reg. No. 40,327. Official Gazette, Apr. 3, 1951. Listed by Augustus M. Henry.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 17, 1951

[VOL. 645. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 511,700. Roadmaster Products Company, Los Angeles, Calif. Filed Oct. 29, 1946.

ROADMASTER

For Automotive Parts—Namely, Vacuum Power Brake Cylinders, Valves, and Boosters, and Butane Carburetors and Regulators.

Claims use since Dec. 17, 1934.

Ser. No. 512,601. Multiscope, Inc., Coffeyville, Kans. Filed Nov. 14, 1946.

MOTORSTAIR

For Moving Stairways.

Claims use since Sept. 30, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 525,914. The Mead Corporation, Dayton, Ohio. Filed July 3, 1947. Under the 10-year proviso as to "Mead."

MEAD

For Paper and Paper Board—Namely, Papers Adapted for Printing Both Uncoated and Coated, Magazine, Book, Cover Papers and Bristol Uncoated and Coated, Coated Papers, Machine Coated Papers, Bond and Writing, Lithographic, Offset, Mimeo, Vellum, Translucent, Suede, Catalogue, Map, Drinking Cup, Moisture Vapor Resistant, Wet Strength, Lampshade Stock, Photo Mount, Tag and Ticket, Miscellaneous Book Papers Uncoated and Coated, Waxing Papers, Hanging Papers, Label Paper, Envelope Paper, Ledger and Accounting Paper, Bag Paper, Bleached and Unbleached Kraft; Paper Board Products—Namely, Bristol and Other Paper and Paper Board for Indexes, Filing Systems, Office Forms, Post Cards, Cardboards, Menus, Decorated Boards, Price Lists, Calendars, Cover Boards, Book Boards, Advertising and Art Work, Mill Blanks, Die Cut Specialties, Box Boards, Corrugating, Liner, Laminated, Paper Pulp Board, Unlaminated and High Density and Specialty Paper Boards Used in the Manufacture of Cigar Boxes, Packing Cases, Shipping Cases, Cores and Tubes; Ground-Wood Papers Uncoated and Coated and Machine Coated; Laminated and Unlaminated Papers and Paper Board, Waxed, Resinous and Other Adhesive Laminated and Unlaminated Paper and Paper Board; Coated and Surface Treated Specialties and Miscellaneous Paper and Paper Board.

Claims use since Jan. 1, 1895, as to the mark "Mead"; and since Jan. 1, 1941, as to the mark shown.

CLASS 39

CLOTHING

Ser. No. 504,248. Brevitt Shoes Limited, Leicester, England. Filed June 20, 1946.

BREVITT CUSHIONWELT

The word "Cushionwelt" is disclaimed.

For Men's, Women's, and Children's Shoes, Made Wholly or Principally of Leather.

Claims use since Mar. 14, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 515,054. Société Fromageries Bel, Paris, France. Filed Dec. 30, 1946.



The trade-mark consists in a head of a cow, drawn from a sketch made by the French deceased painter of animals, Benjamin Rabier, enclosed into a triangle one angle of which is downwardly directed and wherein the two sides adjacent to said angle are respectively bordered with the sentences "Fromageries Bel" and "La vache qui rit" the translations of which are "cheeses-dairies Bel" and "The laughing cow." The words "Fromageries," "Bel," and "Vache" are disclaimed.

For Butter, Cheese, Biscuit, Broth, Melted Cheese, Cheese Soup, Preserved Mixture of Cheese, Jam and Savoury Herbs, Preserved Fresh Butter, Preserved Salt Butter, Preserved Clarified Butter, Preserved Butter for Hot Countries, Preserved Primary Butter, Powdered Milk, Evaporated Milk, Condensed Milk, Fruit Preserves.

Claims use since July 11, 1946.

Ser. No. 525,984. John Tillman, doing business as Southern Foods, Thomasville, Ga., assignor, by mesne assignments, to Rose City Foods, Inc., Thomasville, Ga., a corporation of Georgia. Filed July 3, 1947.

SOUTHERN HARVEST



The stipling is merely for shading purposes.
For Peanut Oil and Peanut Butter, Mayonnaise, Salad Dressing, and Honey.
Claims use since Feb. 21, 1947.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 525,711. The Tivoli-Union Company, Denver, Colo. Filed July 2, 1947.

Tivoli

For Beer.
Claims use since Jan. 1, 1899.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 571,680. Farmers Hybrid Seed Corn Co., Hampton, Iowa. Filed Nov. 22, 1948.



The representation of the gooda is disclaimed.
For Hybrid Seed Corn.
Claims use since Oct. 1, 1939.

Ser. No. 578,866. The Castolite Company, Woodstock, Ill. Filed May 14, 1949.

Castomold

For Co-Polymer of Vinyl Chloride-Acetate Dispersed in a Plasticizer for Making Flexible Molds for Casting Purposes.
Claims use since Dec. 11, 1948.

Ser. No. 579,592. The General Tire & Rubber Company, Akron, Ohio. Filed May 27, 1949.

Hetro

For Pigment-Rubber Masterbatches Which Are Intimate Mixtures of a Natural or Synthetic Rubber With Pigment and Which Are in the Solid State; Synthetic Rubbers; and Compounds and Mixtures of Same.
Claims use since Jan. 14, 1949.

Ser. No. 587,906. Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Filed Nov. 16, 1949.

Hy-Line

Applicant claims ownership of Registration No. 387,198.
For Seed Corn and Hatching Eggs.
Claims use since June 6, 1949.

Ser. No. 598,622. Weston Dodson & Company, Incorporated, Bethlehem, Pa. Filed June 5, 1950.



Applicant claims ownership of Registration No. 190,977.
For Coal.
Claims use since January 1913.

Ser. No. 598,649. Globe Marble and Granite Corporation, New York and Long Island City, N. Y. Filed June 6, 1950.

REGINA RED

The word "Red" is disclaimed.
For Uncut Granite.
Claims use since May 26, 1950.

CLASS 2

RECEPTACLES

Ser. No. 544,938. United Metal Box Co., Inc., Brooklyn, N. Y. Filed Dec. 19, 1947.

UNITED

Applicant claims ownership of Registration No. 198,234.
For Metal Trash Cans for Utilitarian and Sanitary Purposes and Also for Hampers.
Claims use since 1926.

Ser. No. 547,633. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Jan. 21, 1948. (Sec. 2f.)

TUFF BUFF

The word "Buff" is disclaimed. Applicant claims ownership of Registration No. 263,618.
For Paper Bags.
Claims use since June 1, 1910.

Ser. No. 573,008. Snap-On Tools Corporation, Kenosha, Wis. Filed Jan. 28, 1949. (Sec. 2f.)

Snap-on

Applicant claims ownership of Registration No. 147,515.
For Metal Tool Boxes, Tool Trays, Tool Chests, and Drawers (Sold Empty or Without Any Contents to the Trade).
Claims use since 1923.

Ser. No. 578,707. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Paper Drinking Cups.
Claims use since March 1944.

Ser. No. 579,831. Plastic Molders, Inc., Chicago, Ill. Filed June 1, 1949.

Mallo-Ware

The word "Ware" is disclaimed.
For Plastic Receptacles—Namely, Plastic Table Ware, Cups, Saucers, Bowls, Dishes, Plates, Platters, Trays.
Claims use since Nov. 22, 1948.

Ser. No. 580,851. National Automatic Tool Company, Inc., Richmond, Ind. Filed June 21, 1949.

SANICOOP

For Collapsible Metal Poultry Crates.
Claims use since May 18, 1948.

Ser. No. 588,766. The Petersen Oven Company, Franklin Park, Ill. Filed Dec. 3, 1949.

DoTRO

For Portable Metal Bins To Be Used as Holders for Dough in Bakeries.
Claims use since Nov. 3, 1949.

Ser. No. 588,997. Western Burlap Bag Company, Chicago, Ill. Filed Nov. 18, 1949.



The word "Chicago" is disclaimed.
For Textile Bags, Paper Bags, Plastic Bags.
Claims use since Sept. 17, 1947.

Ser. No. 599,168. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed June 15, 1950.

LIVE OAK

Applicant claims ownership of Registration No. 229,665.
For Paper Bags.
Claims use since 1908 by applicant's predecessor, E-Z Opener Bag Company; and first used by applicant since Feb. 8, 1929.

CLASS 5

ADHESIVES

Ser. No. 576,127. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Filed Mar. 26, 1949.

SCOTCH

Applicant claims ownership of Registrations Nos. 280,229, 389,202, and others.
For Heat Activated Adhesive Tape for Splicing and Sealing Laps of Paper, Cloth and the Like, Frequently Used To Seal Seams in Canvas Tops of Automobiles.
Claims use since Oct. 31, 1935.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 555,527. Jewel Tea Co., Inc., Barrington, Ill. Filed Apr. 24, 1948. (Classified in Class 51.)

JEWEL

For Dental Cream, Shampoo, Blue, and Starch Finish.
Claims use since December 1923.

Ser. No. 565,895. C. K. Williams & Co., East St. Louis, Ill. Filed Sept. 25, 1948.

SICCO

For Finely Divided Dry Solid Colors, Having a Variety of Uses as Pigments in the Industrial Arts.
Claims use since Oct. 20, 1921.

Ser. No. 568,493. The Cloroben Corporation, Jersey City, N. J. Filed Nov. 10, 1948. (Classified in Class 52.)

DE-SOL

For Chemical Cleansing Preparation With Additional Properties as an Industrial Disinfectant, Deodorant, Insecticide, Etc.
Claims use since Sept. 22, 1948.

Ser. No. 571,367. A. M. Todd Company, Kalamazoo, Mich. Filed Dec. 30, 1948.

FAQUAL

For Natural Oil of Peppermint Sold for General Use.
Claims use since Jan. 14, 1946.

Ser. No. 571,820. The Photo Technical Corporation, Norwalk, Conn., now by change of name King Organic Chemicals, Incorporated, a corporation of Connecticut. Filed Jan. 7, 1949.

AGENT K.

The word "Agent" is disclaimed.
For Plasticizer for Rubber.
Claims use since Dec. 9, 1947.

Ser. No. 572,043. Novadel-Agene Corporation, Belleville, N. J. Filed Jan. 12, 1949.

Dyoxite

For Chemical Material—Viz., Sodium Chlorite, for Use in Producing Gas To Be Employed in Treating Flour and Other Products.
Claims use since Nov. 4, 1948.

Ser. No. 580,141. National Aluminate Corporation, Chicago, Ill. Filed June 8, 1949.

Nalcat

Applicant claims ownership of Registration No. 306,626.
For Catalyst Compositions, for Example, Silica-Alumina and Silica-Magnesia, Employed Chiefly in the Fluid Catalytic Cracking Processes for Making Gasoline Components.
Claims use since 1947.

Ser. No. 582,031. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed July 15, 1949.

COPPRALYTE

For Chemical Compounds and Mixtures in Liquid or Powder Form—Namely, Plating Salts and Addition Agents, Used in Plating Processes.
Claims use since June 7, 1949.

Ser. No. 595,246. The Coleman and Bell Company, Norwood and Norwood, Cincinnati, Ohio. Filed Apr. 5, 1950.

HISTOWAX

For Paraffine Wax for Use in Histological Technique.
Claims use since Mar. 27, 1950.

Ser. No. 595,852. Puritan Company, Incorporated, Rochester, N. Y. Filed Apr. 17, 1950.

PURITAN

Applicant claims ownership of Registrations Nos. 81,356, 283,240, 305,721, and 537,279.
For Fluid Mixture for Use in Hydraulic Power Transmission Systems.
Claims use since Mar. 31, 1950.

Ser. No. 597,530. H. Kohnstamm & Co., Inc., New York, N. Y. Filed May 16, 1950. (Sec. 2f as to the surname "Kohnstamm.")

H. KOHNSTAMM & CO. INC. TRADE MARK HK ESTABLISHED 1851 STRENGTH-UNIFORMITY-PURITY

The words "Strength," "Uniformity," "Purity," "Established 1851," "Trade Mark" and "& Co. Inc." are disclaimed. Applicant claims ownership of Registrations Nos. 59,561, 100,841, and others.
For Pigment Colors and Lake Colors for General Manufacturing Purposes.
Claims use since Feb. 14, 1947, as to the mark shown; and since 1882 as to the name "H. Kohnstamm."

CLASS 7

CORDAGE

Ser. No. 599,412. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed June 20, 1950.

TIGER

Applicant claims ownership of Registrations Nos. 195,078, 275,065, and 181,153.
For Wire Rope and Wire Rope Slings.
Claims use since July 27, 1923.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 561,753. Henry W. Kolling, doing business under the firm name of The H and K Company, Dayton, Ohio. Filed July 20, 1948.



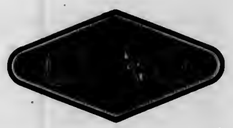
The illustration of the cigarette holder is disclaimed. The lines are to indicate red.
For Cigarette Holders or Mouth Pieces for Holding Cigarettes.
Claims use since May 24, 1948.

Ser. No. 584,048. Isaac Joseph Aronowitz, Cambridge, England. Filed Aug. 26, 1949.

VISOR

Right of priority is claimed under Sec. 44(*d*). British and Northern Ireland application No. 677,495 dated Mar. 1, 1949. Registration No. 677,495 dated Mar. 1, 1949.
For Covers for Smoking Pipes.

Ser. No. 598,837. The Cuno Engineering Corporation, Meriden, Conn. Filed June 9, 1950.



Applicant claims ownership of Registrations Nos. 122,309 and 151,457.
For Electrical Cigar and Cigarette Lighters and Parts Thereof.
Claims use since October 1946.

CLASS 10

FERTILIZERS

Ser. No. 596,212. Garfield Williamson Inc., Jersey City, N. J. Filed Apr. 22, 1950.

TURF - KING

The word "Turf" is disclaimed.
For Fertilizer for Lawns.
Claims use since Mar. 27, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 578,163. Port Huron Sulphite & Paper Co., Port Huron, Mich. Filed May 3, 1949. (Sec. 2f.)

HURON

Applicant claims ownership of Registrations Nos. 410,873, 413,643, and 413,761.
For Carbon Paper, Spirit Ink Carbon Paper, and Hectograph Carbon Paper.
Claims use since Apr. 1, 1944.

Ser. No. 588,130. De Groot Typewriter Exchange, Inc., Kalamazoo, Mich. Filed Nov. 21, 1949.

Dutybond

For Carbon Paper and Typewriter Ribbons.
Claims use since Sept. 16, 1949.

Ser. No. 588,131. De Groot Typewriter Exchange, Inc., Kalamazoo, Mich. Filed Nov. 21, 1949.

Dividend

For Carbon Paper and Typewriter Ribbons.
Claims use since Sept. 16, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 535,985. The Mosaic Tile Company, Zanesville, Ohio. Filed Sept. 27, 1947. (Sec. 2f.)

MOSAIC

For Floor and Wall Tiles of Clay.
Claims use since September 1894.

Ser. No. 556,944. The Babcock & Wilcox Company, New York, N. Y. Filed May 13, 1948.

B&W

HYDROCHROME

Applicant claims ownership of Registration No. 430,739.
For Chrome Ore Base Castable Refractory Material.
Claims use since Apr. 16, 1948.

Ser. No. 574,355. Servicised Products Corporation, Chicago, Ill., assignee of Wallace C. Fischer and Cecile G. Fischer, executors of Albert C. Fischer, deceased, doing business as Rubberized Oil Plastics Co. Filed Feb. 23, 1949.

ZERO-LASTIC

For Rubberized Asphaltic Material in Granular and Slab Form Used Primarily for Sealing Joints in Concrete Structures, Such as Roads, Airplane Runways, and the Like.
Claims use since Jan. 6, 1948.

Ser. No. 575,306. Southern Lightweight Aggregate Corporation, Norfolk, Va. Filed Mar. 11, 1949. (Sec. 2f.)

SOLITE

Applicant claims ownership of Registration No. 501,508.
For Lightweight Concrete Aggregate, Lightweight Structural Concrete Aggregate, Lightweight Aggregate Concrete Building Blocks, Loose Granular Insulation, and Aggregate for Refractory Concrete.
Claims use since July 1, 1948.

Ser. No. 581,164. Benwell Corporation, Detroit, Mich. Filed June 28, 1949.

SHELPLAS

For Wall and Crack Fillers and Caulking Compounds
Claims use since Sept. 1, 1946.

Ser. No. 586,728. Colonial Lumber Co., Inc., Philadelphia, Pa. Filed Oct. 24, 1949.



For Shingles of Wood, Slate, Asphalt and Cement Asbestos; Rock Wool and Insulation Fibre Board Used as Building Insulation Materials; Lumber; Wall Boards; and Millwork—Namely, Window and Door Frames, Window Sash, Storm Sash, Doors, Screens and the Like.
Claims use since Aug. 8, 1949.

Ser. No. 587,590. Permanente Cement Company, Oakland, Calif. Filed Sept. 16, 1949.

YOSEMITE

Applicant claims ownership of Registration No. 263,908.
For Portland Cement and Oil-Well Cement.
Claims use since October 1927.

Ser. No. 588,348. Woodall Industries, Incorporated, Detroit, Mich. Filed Nov. 25, 1949.

DALL BOARD

The word "Board" is disclaimed.
For Laminated Cellulose Composition Fiber Board.
Claims use since Oct. 21, 1949.

Ser. No. 588,780. E. K. Wood Lumber Co., Oakland, Calif. Filed Dec. 3, 1949.



For Lumber, Shingles, Lath, Doors, Window Frames, and Window Sash.
Claims use since Jan. 1, 1900.

Ser. No. 590,989. Pacific Wire Works Co., Seattle, Wash. Filed Jan. 17, 1950.

K-WEB

The word "Web" is disclaimed.
For Steel Reinforcing for Walls of Masonry or Glass Brick.
Claims use since June 15, 1949.

Ser. No. 592,832. Osborne and Partners Limited, Surbiton, England. Filed Feb. 21, 1950.

COLTERRO

Applicant claims ownership of British Registrations Nos. 673,560 and 673,561, dated Oct. 14, 1948.
For Building Materials—Namely, Plaster Base Lath Reinforced With Metal.

Ser. No. 593,123. Keasby & Mattison Company, Ambler, Pa. Filed Feb. 27, 1950.

KAYTHERM

For Pipe and Boiler Insulation Made of Asbestos or Magnesia, or a Combination Thereof.
Claims use since Feb. 2, 1950.

Ser. No. 597,117. Asphalt Tile Institute, New York, N. Y. Filed May 9, 1950. COLLECTIVE MARK.



The words "Member," "Asphalt," "Tile" and "Institute" are disclaimed.
For Asphalt Tile.
Claims use since Mar. 27, 1950.

Ser. No. 597,917. The Strawick Corporation, Oklahoma City, Okla. Filed May 22, 1950.



For Wallboard Manufactured of Unpulped Vegetable Fiber.
Claims use since Sept. 1, 1948.

Ser. No. 598,521. Cinder Concrete Products, Inc., Kansas City, Mo., and Denver, Colo. Filed June 3, 1950.

CLALITE

For Sintered Aggregate and Building Blocks Made Therefrom.
Claims use since May 15, 1950.

Ser. No. 598,942. Atlas Putty Products Co., Chicago, Ill. Filed June 12, 1950.

WONDER CAULK

The word "Caulk" is disclaimed. Applicant claims ownership of Registration No. 389,022.
For Caulking Compound.
Claims use since May 10, 1950.

Ser. No. 601,543. Hachmeister-Inc., Pittsburgh, Pa. Filed Aug. 1, 1950.

Coronet

For Plastic Wall Tile.
Claims use since May 26, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 550,444. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

For Group A—Shower Stalls, Chemical Toilets, Closet Seats, Shower Heads; Bathroom Fixtures (Namely, Soap Receptacles, Toilet Paper Holders, Towel Bars, Tooth Brush Holders, Water Glass Holders), Flush Toilets, Lavatories, Sinks, Steel Pipe and Pipe Fittings, Pressure Relief Valves; Group B—Copper Pipe and Pipe Fittings, Faucets, Hydrants, Sink Strainers, Valves Used To Control the Flow of Water as in Plumbing, Heating and Irrigation Systems, Tank Floats, Sink and Lavatory Traps, Lavatory Supply Pipes, Closet Screws and Bolts, Pump Couplings, Air Control Valves; Group C—Bathtubs.
Claims use since Jan. 15, 1946.

Ser. No. 589,198. Roger H. David, Inc., St. Paul, Minn. Filed Dec. 12, 1949.

ShineKing

The word "Shine" is disclaimed.
For Shoe Holder for Holding Shoes While Cleaning or Shining the Same.
Claims use since Dec. 9, 1947.

Ser. No. 589,331. Northwestern Steel and Wire Company, Sterling, Ill. Filed Dec. 14, 1949. (Sec. 2f.)

Sterling

Applicant claims ownership of Registrations Nos. 341,673 and 342,831.
For Stove Pipe Wire, Welded Wire Fabric, Hardware Cloth, Galvanized Wire Mesh, Barbed Wire, Poultry Netting, Poultry Fence, Field Fence, Bale Ties, Woven Wire Fence and Nails.
Claims use since May 1, 1938.

Ser. No. 599,768. Markwell Manufacturing Company, Inc., New York, N. Y. Filed June 26, 1950.

STAPLETS

For Staples Used in Connection With Hand Operated Stapling Machines for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together, Also for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal on to Wood.
Claims use since May 24, 1950.

Ser. No. 602,784. Talon, Inc., Meadville, Pa. Filed Aug. 25, 1950.

ROCKETTE

For Slide Fasteners and Components Therefor—Namely, Sliders, Pulls, Top and Bottom Stops, and Fastener Chain.
Claims use since Aug. 11, 1950.

Ser. No. 604,882. Fabri-Valve Company of America, Portland, Oreg. Filed Aug. 18, 1950.

FABRI-VALVE

The word "Valve" is disclaimed.
For Fabricated Steel Gate Valves.
Claims use since Sept. 9, 1948.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 573,028. The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Filed Jan. 29, 1949.

COMINCO

Applicant claims ownership of Canadian Registration No. 109, Folio N. S. 28,109, dated Jan. 8, 1948.
For Unwrought Alloys of Common Metals.

CLASS 15

OILS AND GREASES

Ser. No. 581,847. Westville Oil and Manufacturing, Inc., Westville, Ind. Filed July 12, 1949.

GREASE-O-VIS

For Lubricating Oils and Additives Therefor.
Claims use since Feb. 15, 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 494,310. Cook Electric Company, Chicago, Ill. Original filed, act of 1905, Jan. 5, 1946; amended to application under act of 1946, Principal Register, May 21, 1948.

Neutraseal

For Coating Composition for Use as a Temporary Protective Casing for Machinery and the Like.
Claims use since Nov. 17, 1945.

Ser. No. 536,145. Seidlitz Paint & Varnish Co., Kansas City, Mo. Filed Sept. 29, 1947.

LIN-O-N

For Liquid Finish in the Nature of a Varnish or Lacquer for Linoleum and Like Floor Coverings.
Claims use since Oct. 15, 1937.

Ser. No. 544,480. Tobler & Company, Altstatten, Switzerland. Filed Dec. 16, 1947.

METRO

Priority is claimed under Sec. 44(*d*). Swiss application No. 121,469 dated July 26, 1947. Registration No. 121,469 dated Sept. 4, 1947.
For Ski-Waxes.

Ser. No. 553,556. Kaspar Winkler & Co., Zurich, Switzerland. Filed Mar. 31, 1948.

Sika

Applicant claims ownership of Registrations Nos. 215,609 and 184,025.
For Dampproofing Paint and Primer for Use on Masonry and Metal or Other Surfaces.
First used in 1910 in Switzerland; and first used in commerce among the several States which may lawfully be regulated by Congress in 1928.

Ser. No. 553,557. Kaspar Winkler & Co., Zurich, Switzerland. Filed Mar. 31, 1948.

Sika

Applicant claims ownership of United States Registrations Nos. 215,609 and 184,025.
For Powdered Coating Composition in the Nature of Paint for Protecting, Decorating and/or Preserving Masonry and Metal or Other Surfaces.
First used in 1910 in Switzerland; and first used in commerce among the several States which may lawfully be regulated by Congress in 1928.

Ser. No. 561,047. George Senn, Inc., Philadelphia, Pa. Filed July 9, 1948.

SENCO

For Paint Industry Products—Namely, Dipentine, Turpentines, Carolina Spirits (Turpentine Substitute), Enamel and Lacquer Thinners, Liquid Paint and Varnish Removers, Linseed Oil, Tung Oil, Naphthas, Neutral Oils, and Tall Oil.
Claims use since 1917.

Ser. No. 562,849. Hall & Co., Inc., Spartanburg, S. C. Filed Aug. 5, 1948.

HONOR BRIGHT

For Ready-Mixed Paints, Varnishes, and Lacquers.
Claims use since June 17, 1948.

Ser. No. 575,181. American Coatings Corp., Brooklyn, N. Y. Filed Mar. 10, 1949.

American FLYER

The word "American" is disclaimed. Applicant claims ownership of Registration No. 405,713.
For House Paint, Porch and Deck Enamel, Red Lead, Cement, and Stucco Paint, and Controlled Penetration Paint.
Claims use since Jan. 1, 1949.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 549,966. The Reese Chemical Company, Cleveland, Ohio. Filed Feb. 17, 1948.

REESTORA

For Vitamin and Mineral Preparation Recommended for Use in the Treatment of Iron Deficiency Anemias and in the Treatment of Nutritional Deficiencies of Iron, Vitamin B_1, Vitamin B_2, Vitamin C, and Niacin.
Claims use since Aug. 13, 1947.

Ser. No. 564,886. D. C. McLintock, doing business as D. C. McLintock Co., Hackensack, N. J. Filed Sept. 9, 1948.

The PRIMER BANDAGE

The words "The" and "Bandage" are disclaimed.
For Medicated Bandages.
Claims use since July 15, 1948.

Ser. No. 573,684. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 10, 1949. (Classified in Class 51.)
The name "Ann Barton" is not the name of any particular individual known to applicant. Applicant claims ownership of Registration No. 334,592.

Ann Barton

For Cosmetic Preparations—Namely, Face Creams, Makeup Base, Face Powder, Rouge, Lipstick, Hand Lotion, Foundation Lotion, Astringent Lotion, Skin Freshener, Medicated Cream, Personal Deodorants, Depilatories, Fingernail Preparations (Including Polish, Polish Remover, Cuticle Oil, Cuticle Remover), Perfume, Cologne, Toilet Water, Eyebrow Pencil, Eye Shadow, Mascara, Shampoo Hair Wave Solution, Hair Lacquer.
Claims use since August 1935.

Ser. No. 577,645. Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Filed Apr 25, 1949.

TOPICAINE

For Local Anesthetic Preparation.
Claims use since July 12, 1948.

Ser. No. 578,517. Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Filed May 10, 1949.

NOVOLASE

Applicant claims ownership of Registration No. 93,014.
For Hyaluronidase (a Medicinal Product Used With Local Anesthetics).
Claims use since May 2, 1949.

Ser. No. 579,249. Allied Drugs, Inc., Hackensack, N. J. Filed Apr. 28, 1949.

BELLACIN

For Preparation for the Treatment of Acidity.
Claims use since Feb. 15, 1949.

Ser. No. 580,334. The Upjohn Company, Kalamazoo, Mich. Filed June 11, 1949.

Macrozyme

For Medicinal Preparation for the Treatment of Hemapoietic and Nutritional Disorders Including Concentrated Vitamin B_{12}.
Claims use since Mar. 31, 1949.

Ser. No. 581,674. Charles J. McNeil, Beaumont, Tex. Filed July 8, 1949.



MOUNT HOREB

The portrait is that of the applicant. The words "Mount Horeb" are disclaimed.
For Remedy for the Treatment of Piles.
Claims use since Dec. 13, 1920.

Ser. No. 585,924. Georges Supply Company, Washington, D. C. Filed Oct. 7, 1949.

XINE

Applicant claims ownership of Registration No. 77,733.
For Preparation for Eradicating Warts.
Claims use since Dec. 1, 1908.

Ser. No. 586,142. Commercial Solvents Corporation, New York, N. Y. Filed Oct. 12, 1949.

GLUCURONE

For Glucuronolactone Composition for Treating Arthritis.
Claims use since Oct. 7, 1949.

Ser. No. 586,449. Buffington's, Incorporated, Worcester, Mass. Filed Oct. 29, 1949.

HIGADOCE

For Injectable, Medicinal Preparation for the Treatment of Certain Anemias, Particularly Pernicious Anemia, Macrocytic Nutritional Anemia, and Sprue.
Claims use since Oct. 27, 1949.

Ser. No. 587,056. Swan's Enterprises, Inc., Andrews, N. C. Filed Oct. 29, 1949.

KAMIDE

For Preparation and Treatment in Liquid, Jelly and Powder Form for the Relief of Arthritis, Paralysis, and Minor Infections and Irritations of the Eyes, Ears, Nose, and Skin.
Claims use since Aug. 10, 1949.

Ser. No. 587,313. Hoke S. Brown, doing business under the name The Mysan Co., Macon, Ga. Filed Nov. 4, 1949.

INSTA-MYSAN

For Preparation for the Relief of Athlete's Foot, Ringworm, Toe Itch, Jockey Itch, Itching of Eczema, and Other Fungus Skin Irritations.
Claims use since September 1929.

Ser. No. 587,314. Hoke S. Brown, doing business under the name The Mysan Co., Macon, Ga. Filed Nov. 4, 1949.

TERPA-MYSAN

For Preparation for Coughs Due to Bronchial and Chest Colds.
Claims use since Oct. 7, 1949.

Ser. No. 588,477. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Filed Nov. 29, 1949.

'EMPIRAL'

Applicant claims ownership of Registrations Nos. 120,921, 312,613, and 503,042.
For Preparation for Use as a Sedative, Analgesic and Antipyretic.
Claims use since Nov. 9, 1949.

Ser. No. 590,681. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

FLEEDEE

For Veterinary Pharmaceutical Preparation Having Parisiticidal Action.
Claims use since Dec. 2, 1948.

Ser. No. 591,192. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed Jan. 20, 1950.

TERRAMYCIN

For Antibiotic Preparation.
Claims use since Dec. 23, 1949.

Ser. No. 591,249. Parke, Davis & Company, Detroit, Mich. Filed Jan. 21, 1950.

HEPA-DESICOL

Applicant claims ownership of Registration No. 362,008.
For Oral Preparation for the Treatment of Liver Conditions Such as Cirrhosis, Hepatitis, and Fatty Infiltration.
Claims use since Dec. 19, 1949.

Ser. No. 591,752. E. R. Squibb & Sons, New York, N. Y. Filed Jan. 31, 1950.

AMNESTROGENO

Applicant claims ownership of Registration No. 529,515.
For Estrogenic Preparations.
Claims use since Jan. 10, 1950.

Ser. No. 592,882. Curley Company, Incorporated, Philadelphia, Pa. Filed Feb. 23, 1950.

Non-Hist

For Pharmaceutical Preparation for the Symptomatic Relief of Colds and Hay Fever.
Claims use since Jan. 16, 1950.

Ser. No. 595,398. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Apr. 7, 1950.

BEN-CAINE

In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red. Applicant claims ownership of Registration No. 409,415.
For Medical Preparation—Namely, a Soothing and Emollient Benzocaine and Benzoic Acid Ointment.
Claims use since Nov. 25, 1938.

Ser. No. 596,184. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Apr. 22, 1950.

GAL-BEN-ZOL

The drawing is lined for red.
For Medical Preparation—Namely, an Anesthetic and Mild Astringent Ointment.
Claims use since Dec. 21, 1943.

Ser. No. 596,531. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Apr. 28, 1950.

PRAGMA-CAINE

Applicant claims ownership of Registrations Nos. 380,445, 380,447, 384,171, 380,446, and 528,402.
For Anesthetic.
Claims use since Mar. 20, 1950.

Ser. No. 596,532. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Apr. 28, 1950.

TELODRON

Applicant claims ownership of Registration No. 532,177.
For Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions.
Claims use since Mar. 20, 1950.

Ser. No. 597,112. Elmer H. Wene, doing business as Wene Poultry Laboratories, Vineland, N. J. Filed May 8, 1950.

PELS

For Medicinal Preparation for Administration to Poultry To Stimulate Growth.
Claims use since Apr. 28, 1950.

Ser. No. 599,141. Abbott Laboratories, North Chicago, Ill. Filed June 15, 1950.

RONIDASE

For Injectable Enzyme Preparation Used To Hydrolyze Hyaluronic Acid.
Claims use since June 1, 1950.

Ser. No. 599,665. Spratt's Patent (America) Limited, London, England, and Newark, N. J. Filed June 23, 1950. (Sec. 2f.)

Capern's

Applicant claims ownership of Registrations Nos. 273,857 and 274,213.
For Medicines and Tonics for Birds.
Claims use since September 1928.

Ser. No. 599,685. Aims Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Filed June 24, 1950.

CHOCLAZIN

For Chocolated Sulfadiazine in Tablet Form.
Claims use since June 5, 1950.

Ser. No. 601,228. Organon Inc., Orange, N. J. Filed July 25, 1950.

DROSTENOL

For Medicinal Hormone Preparation.
Claims use since July 14, 1950.

Ser. No. 601,229. Organon Inc., Orange, N. J. Filed July 25, 1950.

DROSTENOL-M

For Medicinal Hormone Preparation.
Claims use since July 14, 1950.

Ser. No. 601,230. Organon Inc., Orange, N. J. Filed July 25, 1950.

STENEDOL

For Medicinal Hormone Preparation.
Claims use since July 14, 1950.

Ser. No. 601,572. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Aug. 1, 1950.

'Neovacagen'

Applicant claims ownership of Registration No. 364,941.
For Preparations Useful in the Prevention and Treatment of Bacterial Infections and Allergic Manifestations, Including Antigenic and Antiallergenic Preparations Effective in the Prevention and Treatment of Allergic Manifestations and/or Infections of the Respiratory Tract.
Claims use since May 9, 1950.

Ser. No. 602,054. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 10, 1950.

GIASOL

The drawing is lined for red.
For Medical Preparation—Namely, a Mild and Palatable Expectorant.
Claims use since Oct. 8, 1943.

Ser. No. 602,057. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 10, 1950.

IODO-ICHTHOL

In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red.
For Medical Preparation—Namely, for Topical Application to Inflamed Mucous Membranes.
Claims use since July 30, 1934.

CLASS 19

VEHICLES

Ser. No. 552,191. The Waco Aircraft Company, Troy, Ohio. Filed Mar. 17, 1948. (Sec. 2f.)

WACO

Applicant claims ownership of Registration No. 216,240.
For Airplanes and Automotive Truck Bodies.
Claims use since January 1920.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 588,003. Calgon, Incorporated, Pittsburgh, Pa. Filed Nov. 18, 1949.

calgonite

Applicant claims ownership of Registrations Nos. 306,582, 323,524, 319,553, 352,170, and 352,169.
For Electrical Controlling and Signalling Apparatus for Measuring and Controlling the Alkalinity of Washing Solutions Used in Mechanical Washing Devices.
Claims use since Dec. 7, 1948.

Ser. No. 588,677. Earle F. Chapman, doing business as Chapman Manufacturing Company, South Braintree, Mass. Filed Dec. 2, 1949. (Sec. 2f.)

CHAPMAN

For Electrical Decorative Portable Table Lamps and Shades Therefor.
Claims use since October 1938.

Ser. No. 590,369. Industria E. Commercio Assumpcao S/A, Sao Paulo, Brazil. Filed Jan. 5, 1950.

TRAFALGAR

Priority under Sec. 44(d). Brazilian application, Registration No. 181,724, dated Nov. 24, 1949.
For Television Receiving Sets, Television Transmitting Sets, Radio Receiver Sets, Radio Transmitter Sets, Incandescent Light Bulbs, Fluorescent Light Bulbs, Electric Plugs, Condenser Capacitors, Transformers, Commutators, Radio Tubes, Rectifiers, Coils, Chassis for Radio Sets, Sockets, Wave Switches, Selectors, Antennae, Antennae Switches, Ground Wires, Loud Speakers, Radio Telephony Sets, Radio Dials, Reactors for Fluorescent Light.

Ser. No. 590,722. Tweco Products Company, Wichita, Kans. Filed Jan. 11, 1950.

TWECO

For Welding Electrode Holders for Holding Metallic Electrodes, Welding Electrode Holders for Holding Carbon Electrodes, Ground Clamps, Cable Connectors, Cable Splicers, Cable-Terminal Connectors, Lug Type Cable Terminals, Two-Way Male Cable Connectors.
Claims use since May 3, 1943.

Ser. No. 590,723. Tweco Products Company, Wichita, Kans. Filed Jan. 11, 1950.

TWECOTONG

For Welding Electrode Holders and Parts Therefor.
Claims use since May 23, 1945.

Ser. No. 592,964. West Virginia Pulp and Paper Company, New York, N. Y. Filed Feb. 23, 1950.

PRESSITE

For Fiber Board for Use for Electrical Insulation.
Claims use since January 1950.

Ser. No. 597,829. The Illumilite Company, Inc., assignor to Bertha Sternaman, Springfield, Ill. Filed May 20, 1950.

ILLUMILITE

For Electric Lamp Holders, and Mountings Therefor—Namely, Rail Adapters, Wiring Troughs, Pole Fitter Adapters, Slip Fitters, Outlet Boxes, Wall Brackets and Parts Thereof.
Claims use since Feb. 1, 1950.

Ser. No. 599,741. Bogue Electric Manufacturing Company, Paterson, N. J. Filed June 26, 1950. (Sec. 2f.)

Bogue

For Electrical Equipment—Namely, Motors, Generators, Motor Generators, Generating Sets, Electroplating Apparatus, and Parts Thereof.
Claims use since 1892.

Ser. No. 601,187. Avco Manufacturing Corporation, Cincinnati, Ohio. Filed July 25, 1950.

RIVIERA

For Radio Receivers.
Claims use since June 12, 1950.

Ser. No. 602,014. American Hard Rubber Company, Hempstead and New York, N. Y. Filed Aug. 10, 1950.

ACE DUO-SIL

For Hard Rubber Separators for Storage Batteries.
Claims use since Apr. 7, 1948.

Ser. No. 602,617. Link-Belt Company, Chicago, Ill. Filed Aug. 23, 1950. (Sec. 2f.)

Electrofluid

Applicant claims ownership of Registrations Nos. 424,560 and 426,624.
For Combined Electric Motor and Hydraulic Coupling Drives for Mechanical Devices.
Claims use since June 21, 1945.

Ser. No. 602,796. Breuer Electric Mfg. Co., Chicago, Ill. Filed Aug. 26, 1950.

Pac-Vac

For Portable Electrically Driven Cleaning Blowers, Suction Cleaners, and Sprayers.
Claims use since July 15, 1950.

Ser. No. 603,141. Admiral Controls, Inc., Los Angeles, Calif. Filed Sept. 5, 1950.

TAKE-ALL

For Electrically Operated Garbage Disposal Units Used in Connection With the Drain Outlet of Kitchen Sinks.
Claims use since Oct. 11, 1949.

Ser. No. 604,256. Cory Corporation, Chicago, Ill. Filed Sept. 30, 1950. (Sec. 2f.)

SPEED RAY

Applicant claims ownership of Registration No. 428,952.
For Heating Elements for Electric Stoves.
Claims use since Mar. 25, 1945.

Ser. No. 604,282. Tel-A-Ray Enterprises, Inc., Henderson, Ky. Filed Sept. 30, 1950.

Butterfly

For Television Antennae.
Claims use since Sept. 6, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 573,312. Daisy Manufacturing Company, Plymouth, Mich. Filed Feb. 4, 1949.

IT'S A DAISY

Applicant claims ownership of Registration No. 142,492.
For Toy Guns—Namely, Spring Actuated BB Guns, Popguns, Water Guns, Cork Guns, Target Games, Including Targets, and Supporting Means for Targets.
Claims use since 1888.

Ser. No. 577,559. Butler Brothers, Chicago, Ill. Filed Apr. 23, 1949.

LITTLE MAJESTY

Applicant claims ownership of Registration No. 369,901.
For Dolls, Stuffed Toy Animals, Plastic Baby Rattles, Plastic Animal Figures in the Nature of Toys, Plastic Rings in the Nature of Toys With Metal Balls and Plastic Discs Thereon, Doll-Shaped Plastic Rattle Toys, Plastic Clothes Hanger Sets for Dolls, Rattle Blocks With Numerals and Alphabet of Colored Plastic, and Toy Furniture.
Claims use since 1939.

Ser. No. 584,043. John Gordon Strong, Milwaukee, Wis. Filed July 16, 1949.

GIGGLE-POOL

For Parlor Game Consisting of a Game Board Having a Freely Movable Light Ball Thereon and Player Operated Blowers for Blowing the Ball Over the Board.
Claims use since Mar. 1, 1949.

Ser. No. 589,112. John T. Riddell, Inc., Chicago, Ill. Filed Dec. 9, 1949. (Sec. 2f.)

RIDDELL

Applicant claims ownership of Registrations Nos. 302,272, 303,743, 518,753, and 524,385.
For Football Helmets and Head Band Suspensions for Helmets.
Claims use since September 1928.

Ser. No. 593,298. Softskin Toys, Inc., New York, N. Y. Filed Mar. 2, 1950.

LITTLE BIGSHOT

The word "Little" is disclaimed.
For Stuffed Toys in Simulation of Animals or Human Figures.
Claims use since Feb. 7, 1950.

Ser. No. 593,746. Renwal Manufacturing Co. Inc., Mineola, N. Y. Filed Mar. 10, 1950.



For Plastic Toys—Namely, Toy Automobiles and Trucks of Various Designs, Toy Models of Various Types of Machinery, Toy Furniture of Various Designs, Toy Dishes, and Dolls.
Claims use since Feb. 1, 1950.

Ser. No. 593,747. Renwal Manufacturing Co. Inc., Mineola, N. Y. Filed Mar. 10, 1950.

RENWAL

Applicant claims ownership of Registrations Nos. 415,121 and 525,909.
For Plastic Toys—Namely, Toy Automobiles and Trucks of Various Designs, and Toy Models of Various Types of Machinery, Toy Furniture of Various Designs, Toy Dishes, and Dolls.
Claims use since Feb. 1, 1950.

Ser. No. 595,286. Shoe Form Co. Inc., Auburn, N. Y. Filed Apr. 5, 1950.

Bill DeWitt GOOD HOOKS BD

The expression "Bill De Witt," forming part of the trade-mark is a conventionalized signature of William J. De Witt, former president of Shoe Form Co. Inc. and now deceased. Applicant claims ownership of Registrations Nos. 390,230, 521,493, and 311,334.
For Fishhooks.
Claims use since Mar. 15, 1948.

Ser. No. 595,707. Brown and McClelland, West Los Angeles, Calif. Filed Apr. 14, 1950.

BUNDLE BABY

The word "Baby" is disclaimed.
For Dolls.
Claims use since Mar. 10, 1950.

Ser. No. 596,027. Edmund Derald Hart, generally known as Derald Hart, Colorado Springs, Colo. Filed Apr. 20, 1950.

HOK PUK

The word "Puk" is disclaimed.
For Hockey Trainer—Namely, a Hockey Stick Having a Hockey Puck Attached Thereto by an Elastic Cord.
Claims use since Dec. 15, 1949.

Ser. No. 596,449. Standard Toykraft Products, Inc., Brooklyn, N. Y. Filed Apr. 27, 1950.

THE LITTLE SCULPTOR

For Toy Modeling Sets.
Claims use since March 1930.

Ser. No. 596,668. The Judy Company, Minneapolis, Minn. Filed May 1, 1950.

MEK-N-ETTES

For Toy Construction Set for Building Working Models of Basic Mechanisms and Machines.
Claims use since Feb. 9, 1950.

Ser. No. 600,454. South Bend Bait Company, South Bend, Ind. Filed July 10, 1950.

STEPGLASS

For Fishing Tackle, and Particularly Fishing Rods.
Claims use since June 28, 1950.

Ser. No. 600,719. Alfred Ciffo, New York, N. Y. Filed July 15, 1950.

WANDA

For Toys—Namely, Dolls.
Claims use since May 2, 1950.

Ser. No. 601,239. Spiegel, Inc., Chicago, Ill. Filed July 25, 1950.

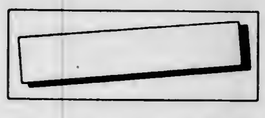
Brooklure

Applicant claims ownership of Registration No. 418,968.
For Fishing Tackle Boxes.
Claims use since January 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 520,668. American Brake Shoe Company, New York, N. Y. Original filed, act of 1905, Apr. 15, 1947; amended to application under act of 1946, Principal Register, Apr. 19, 1948. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 404,752, 404,753, 404,754, 404,755, 409,919, 410,556, and 434,630.
For Composition Bearings; Machinery Shaft Couplings; Slides for Use With Reciprocating Parts of Machinery, on Elevators and the Like; Dredging and Industrial Material Handling Pumps; Placer Dredge Buckets; Power Shovel Dippers; Bar, Crane, Gear, Sheave and Sprocket Wheels; Elevator and Conveyor Chains; Gears; Air Compressors; Motor Driven Air Compressor Units; Engine Driven Air Compressor Units; Tank Mounted Air Compressor Units; Air Controlled Lifts; Air Compressor Unloaders; Paint Spray Equipment Consisting of Spray Guns, Spray Booths, and Paint Pumps; Engine Cleaning Guns; Spring Spraying Guns; Washing Guns; Automatic Hose Reels; Railroad Switches; Rail Lubricators; Switch Stands; and Switch Point Locks.
Claims use since Feb. 18, 1947.

Ser. No. 537,848. Vulcan Manufacturing Co., Inc., Winona, Minn. Filed Oct. 14, 1947.

ACE-HY

For Automobile Jacks.
Claims use since March 1937.

Ser. No. 541,007. Alfred S. Bettencourt, doing business as Meat Seasoning and Tenderizing Company, East Orange, N. J. Filed Nov. 13, 1947.

TENDALARDA

For Hand Operated Injecting Devices for Introducing Condiments and Other Materials in Meats and Similar Foods.
Claims use since Oct. 30, 1947.

Ser. No. 557,602. Gerber Legendary Blades, Portland, Oreg. Filed May 22, 1948.

SNICKERSNEE

For Carving Implements Comprising a Handle and a Carving Blade Affixed Thereto and Having a Bifurcated Tip Functioning as a Serving Fork.
Claims use since June 24, 1947.

Ser. No. 574,486. Bert and Wetta, Maize, Kans. Filed Feb. 25, 1949.

Field Queen

The term "Field" is disclaimed.
For Large Self-Propelled Combination Alfalfa Cutter and Chopper.
Claims use since May 28, 1948.

Ser. No. 588,540. American Chain & Cable Company Inc., Bridgeport, Conn. Filed Nov. 30, 1949.

HI-WAY

For Chain Hoists.
Claims use since July 21, 1937.

Ser. No. 588,850. Ames Baldwin Wyoming Co., Parkersburg, W. Va. Filed Dec. 6, 1949.

TWO STAR

Applicant claims ownership of Registration No. 258,346.
For Shovels, Spades, Scoops, Ice Choppers, and Snow Pushers.
Claims use since October 1928.

Ser. No. 588,851. Ames Baldwin Wyoming Co., Parkersburg, W. Va. Filed Dec. 6, 1949.

THREE STAR

Applicant claims ownership of Registration No. 258,347.
For Shovels, Spades, Scoops, Ice Choppers, and Snow Pushers.
Claims use since October 1928.

Ser. No. 589,070. Calkins Manufacturing Company, Spokane, Wash. Filed Dec. 9, 1949. (Sec. 2f.)

Calkins

Applicant claims ownership of Registration No. 274,502.
For Seed Treating Machines; Grain and Seed Cleaning Machines; Grain and Seed Grading Machines; Grain Treating Machines; Grain Shoes; Powder Feeding Machines for Grain, Hay, and Fodder; Plows; Sub-Soilers; Weeders; and Soil Cultivators.
Claims use since June 1, 1922.

Ser. No. 590,778. The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Filed Nov. 25, 1949.

HYDRA-TRACE

The word "Trace" is disclaimed.
For Profiling and Contour Reproducing Slide for Metal Working Lathes.
Claims use since Mar. 14, 1949.

Ser. No. 591,601. Wagner Electric Corporation, St. Louis, Mo. Filed Jan. 27, 1950. (Sec. 2f.)

FLUID-BAL

The word "Fluid" is disclaimed.
For Hydraulic Brake Bleeder.
Claims use since June 28, 1939.

Ser. No. 593,610. Otho M. Otte, doing business under the style name Royal Allegheny Metal Wares, Tarentum, Pa. Filed Mar. 8, 1950.

"Darling O'Dreams"

For Metal Tableware for Infants, Particularly Eating Utensil Sets Comprising a Knife, Fork, and Spoon.
Claims use since November 1948.

Ser. No. 597,620. The Lewis Engineering and Manufacturing Company, Alliance, Ohio. Filed May 17, 1950.

Doo-Klip

No claim is made to the word "Klip." Applicant claims ownership of Registration No. 285,552.
For Lawn Tools—Namely, Standard Grass Shears, Long Handle Grass Shears, Hedge Shears, and Pruning Shears.
Claims use since Mar. 20, 1926.

Ser. No. 597,836. The Murray Company of Texas, Inc., Dallas, Tex., doing business under the name and style of Boston Gear Works, North Quincy, Mass. Filed May 20, 1950.

BOST-BRONZ

The word "Bronz" is disclaimed. Applicant claims ownership of Registration No. 296,762.
For Bronze Bearings.
Claims use since Oct. 15, 1949.

Ser. No. 598,808. Oil Well Supply Company, Dallas, Tex. Filed June 8, 1950. (Sec. 2f.)

WILSON-SNYDER

Applicant claims ownership of Registration No. 400,289.
For Reciprocating and Centrifugal Pumps.
Claims use since 1912.

Ser. No. 602,415. The Moto-Mower Company, Detroit, Mich. Filed Aug. 18, 1950.

SCOUT

For Lawnmowers.
Claims use since Feb. 25, 1942.

Ser. No. 602,535. Walworth Company, Boston, Mass. Filed Aug. 2, 1950.

WALCO

Applicant claims ownership of Registrations Nos. 91,532, 103,135, 137,408, and 275,609.
For Wrenches.
Claims use since Jan. 10, 1930.

Ser. No. 608,540. Gillette Safety Razor Company, Boston, Mass. Filed Jan. 9, 1951.

RELAMPAGO

For Safety Razors and Safety Razor Blades.
Claims use since Nov. 17, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 607,410. American Machine and Metals, Inc., New York, N. Y., and East Moline, Ill. Filed Dec. 8, 1950.

FLEXIMATIC

For Laundry Folding Machines.
Claims use since Apr. 12, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 462,218. Charles F. Brannock, doing business as The Brannock Device Company, Syracuse, N. Y. Original filed, act of 1905, July 22, 1943; amended to application under act of 1946, Principal Register, July 1, 1948. (Sec. 2f.)

THE BRANNOCK DEVICE

The words "The" and "Device" are disclaimed. Applicant claims ownership of Registration No. 414,274.
For Foot Measuring Instruments.
Claims use since March 1927.

Ser. No. 527,770. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Filed July 5, 1947.

GRAD-U-THERM

The word "Therm" is disclaimed.
For Thermostat Designed as a Control for Use in Heating Systems.
Claims use since May 1942.

Ser. No. 552,424. George M. Carson, doing business as Apex Specialties Company, New York, N. Y. Filed Mar. 19, 1948.

Cover Girl

For Sun Glasses.
Claims use since Jan. 6, 1948.

Ser. No. 597,370. Taylor, Taylor & Hobson Limited, Leicester, England. Filed May 11, 1950.

TALYROND

Applicant claims ownership of British Registration No. 679,774, dated May 23, 1949.
For Instruments for Measuring Deviations From the Truly Circular of Articles of Nominally Circular Cross-Section.

Ser. No. 602,152. Harlan Instrument Company, Dallas, Tex. Filed Aug. 14, 1950.

SATELLITE

For Photographic Flash Units of the Slave Unit Type.
Claims use since June 12, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 597,865. The Gruen Watch Company, Cincinnati, Ohio. Filed May 18, 1950.

TIME HILL

The word "Time" is disclaimed.
For Watches, Watch Cases, and Watch Movements.
Claims use since January 1939.

Ser. No. 599,414. Berchan & Friedman, New York, N. Y. Filed June 20, 1950.

14 K B.F.

The designation "14 K" is disclaimed.
For Watch Cases.
Claims use since Feb. 23, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 556,924. Frank Smith Silver Company, Gardner, Mass. Filed May 12, 1948. (Sec. 2f.)

FIDDLE THREAD

For Sterling Silver Tableware.
Claims use since 1931.

Ser. No. 556,925. Frank Smith Silver Company, Gardner, Mass. Filed May 12, 1948. (Sec. 2f.)

FIDDLE SHELL

For Sterling Silver Tableware.
Claims use since 1938.

Ser. No. 583,267. Kestenman Bros. Mfg. Co., Providence, R. I. Filed Aug. 10, 1949.

RISTMASTER

For Metal Bracelets for Personal Adornment Not Including Watches, and Ornamental Clasps and Buckles in the Nature of Jewelry Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since June 3, 1948.

Ser. No. 586,512. Anthony Novelty Co., Inc., Providence, R. I. Filed Oct. 19, 1949.

Jewels by Antoinette

The word "Jewels" is disclaimed.
For Costume Jewelry Made With or Plated With Precious Metals—Namely, Earrings, Necklaces, Lapel Pins, Bracelets, Brooches, and Pendants.
Claims use since Nov. 1, 1948.

Ser. No. 587,178. Carol-Deb Company, Pawtucket, R. I. Filed Nov. 2, 1949.

Carol-Deb

For Jewelry for Personal Wear, Not Including Watches—Namely, Hair Ornaments, Necklaces, Pendants, Chokers, Earrings, Brooches, Lapel Pins, Ornamental Pins, Ornamental Clips, Bracelets, Finger Rings, Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since Apr. 1, 1949.

Ser. No. 588,530. M. Sickles & Sons, Inc., Philadelphia, Pa. Filed Nov. 29, 1949.

SunLine
STYLED BY SICKLES

Applicant disclaims the words "Styled by Sickles."
For Jewelry for Personal Wear or Adornment, Not Including Watches, Made Wholly or in Part of Precious Metal—Namely, Finger Rings, Earrings, Brooches, Pendants, and Bracelets.
Claims use since Nov. 18, 1949.

Ser. No. 588,914. Vogue Vanities Limited, Handsworth, Birmingham, England. Filed Dec. 6, 1949.

VOVAN

Applicant claims ownership of British Registration No. 668,039, dated Mar. 24, 1948.
For Jewelry for Personal Wear Not Including Watches—Namely, Finger Rings, Necklaces, Bracelets, Brooches, Pendants, and Earrings.

Ser. No. 591,312. Paramount Wedding Ring Company, Chicago, Ill. Filed Jan. 23, 1950.

LOVE'S ROSE

For Finger Rings.
Claims use since Jan. 1, 1928.

Ser. No. 592,881. Coro, Inc., New York, N. Y. Filed Feb. 23, 1950.

Grandeur

For Jewelry for Personal Wear, Not Including Watches, but Including Pearl Jewelry—Namely, Necklaces, Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, and Lockets.
Claims use since Jan. 3, 1950.

Ser. No. 592,930. Oval Manufacturing Company, Inc., New York, N. Y. Filed Feb. 23, 1950.

"Extra Prima"

For Imitations of Precious Stones.
Claims use since Dec. 14, 1949.

Ser. No. 593,984. Gulf Coast Jewelry and Specialty Co., Inc., Mobile, Ala. Filed Mar. 15, 1950.

Azalea

For Costume Jewelry and Diamond Jewelry—Namely, Finger Rings, Bracelets, Necklaces, Earrings, Brooches, Pendants, and Ornamental Pins.
Claims use since Dec. 1, 1949.

Ser. No. 600,293. Lederer Brothers, New York, N. Y. Filed July 6, 1950.

Lady Ellen

For Simulated and Cultured Pearl Necklaces, Bracelets, and Earrings.
Claims use since June 15, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 589,327. Minute Mop Company, Chicago, Ill. Filed Dec. 14, 1949.

MINUTE

For Mops; Combination Floor Brush, Mop and Squeegee; Window Mops, Combination Window Brushes and Squeegee, Dish Mops, Bottle Brushes, Bathtub Brushes, Wash Stand Brushes, Toilet Bowl Brushes, Bristle Brushes, Scouring Pads, Soap Mitts, and Wiping Cloths.
Claims use since Oct. 21, 1937.

Ser. No. 596,575. Kordite Corporation, Victor, N. Y. Filed Apr. 29, 1950.

KORDITE

Applicant claims ownership of Registration No. 526,340.
For Brooms.
Claims use since Jan. 10, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 571,560. The Edwin M. Knowles China Company, Newell, W. Va. Filed Jan. 3, 1949. (Sec. 2f as to "Knowles.")

K KNOWLES

For Semi-Vitreous Dinnerware.
Claims use since Dec. 7, 1948, as shown; and since January 1901 as to "Knowles."

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 565,592. Virtue Bros. Mfg. Co., Los Angeles, Calif. Filed Sept. 21, 1948.

Micalite

For Table Tops of Laminated Plastic-Impregnated Material.
Claims use since August 1947.

Ser. No. 581,879. Lewisburg Chair Company, Inc., Bridgeport, Conn. Filed July 13, 1949.

Cobra Chrome

The word "Chrome" is disclaimed.
For Tables and Chairs Having Metal Tubing Frames.
Claims use since July 1, 1949.

Ser. No. 592,558. Eclipse Sleep Products Inc., Brooklyn, N. Y. Filed Feb. 16, 1950. (Sec. 2f.)

Inner-Bed

The word "Bed" is disclaimed.
For Couch Beds.
Claims use since Mar. 6, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 586,902. Trianco Limited, Surrey, England. Filed Sept. 23, 1949.

TRIANCO

Applicant claims ownership of British Registrations Nos. 431,758 and 431,759, dated Nov. 22, 1922.
For Automatic Heating Boilers, Calorifiers, Fans, Radiators, Draught Stabilizers and Draught Regulators, Mechanical Stokers, Fire Bar Draught Cleaning Mechanisms.

Ser. No. 594,503. Nathan H. Turkin, doing business under the name of Kenron Steel Products, Chicago, Ill. Filed Mar. 23, 1950.

KENRON

For Gas and Oil Fired Space Heaters, Gas Automatic Water Heaters, and Commercial and Domestic Circulating Fans.
Claims use since February 1950.

Ser. No. 602,480. Young Radiator Company, Racine, Wis Filed Aug. 19, 1950.

STREAMAIRE

Applicant claims ownership of Registration No. 298,778.
For Air Conditioning Units.
Claims use since July 14, 1949.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 570,376. The Pure Oil Company, Chicago, Ill. Filed Dec. 11, 1948.

PURE

Applicant claims ownership of Registration No. 513,492.
For Rubber Tires and Tubes.
Claims use since Sept. 30, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 597,285. National Musical String Co., New Brunswick, N. J. Filed May 11, 1950. (Sec. 2f.)

ALL WEATHER

The lining on the drawing represents lining on the mark and not color. Applicant claims ownership of Registration No. 278,107.
For Strings for Banjos, Guitars, Harps, and Similar Musical Instruments.
Claims use since Jan. 4, 1929.

CLASS 37

PAPER AND STATIONERY

Ser. No. 514,645. Consolidated Cosmetics, a partnership, Chicago, Ill., assignee of Consolidated Cosmetics. Original filed, act of 1905, Dec. 21, 1946; amended to application under act of 1946, Principal Register, Jan. 4, 1950. (Sec. 2f.)

Dana

For Wrapping Paper.
Claims use since Nov. 18, 1940.

Ser. No. 516,791. W. A. Sheaffer Pen Company, Fort Madison, Iowa. Original filed, act of 1905, Feb. 1, 1947; amended to application under act of 1946, Principal Register, June 17, 1948.

SHEAFFERITER

Applicant claims ownership of Registration No. 226,426.
For Fountain Pens.
Claims use since Jan. 22, 1947.

Ser. No. 562,443. Butler Brothers, Chicago, Ill. Filed July 29, 1948.

ONWARD

For Paper Tablets, Notebooks, Crepe Paper, Crepe Streamers, Art Paper, Index Guides, Looseleaf Fillers, Index Tabs, Index Cards, Brass Fasteners, Mechanical Pencils, Pencil Leads, Fountain Pens, Crayons, Rubber Bands, Pencil Clips, Lead Pencils, Steel Pens, Pen Holders, Manila Folders, Erasers, Looseleaf Notebooks, Gummed Paper Patches for Labels, Pencil Boxes, Pencil Compasses, Notebook Rings, Pencil Tablets, Typewriter Paper, Chalk, Box Paper, Package Paper, Envelopes, and Paper Clips.
Claims use since 1923.

Ser. No. 570,041. Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Filed Dec. 6, 1948.

DAILY SUGGESTER

The word "Daily" is disclaimed.
For Diaries.
Claims use since Jan. 1, 1921.

Ser. No. 573,488. Irvington Varnish & Insulator Company, Irvington, N. J. Filed Feb. 8, 1949. (Sec. 2f.)

BROWNSEAL

For Moistureproof and Solvent Resistant Bottle-Cap Liner Material Consisting in Unbleached Kraft Paper Coated With Flexible Resin Containing Melamineformaldehyde.
Claims use since 1941.

Ser. No. 579,431. International Business Machines Corporation, New York, N. Y. Filed May 24, 1949.

IBM

For Mechanical Pencils, Pencils, Pencil Leads, Record Cards, Examination Grading Sheets, Time Cards, Partially Printed Forms and Charts, Partially Printed or Blank Paper Tapes for Business Machines.
Claims use since February 1930.

Ser. No. 590,037. Societe Anonyme Conte, Paris, France. Filed Dec. 28, 1949.

MÉDICIS

Applicant claims ownership of French Registration No. 1,094, dated July 11, 1938.
For Crayons and Crayon Pencils.

Ser. No. 591,462. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950.

FEDERAL

Applicant claims ownership of Registration No. 356,981.
For Tracing Paper.
Claims use since Jan. 1, 1907.

Ser. No. 591,466. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950.

MONARCH

Applicant claims ownership of Registration No. 356,985.
For Tracing Paper.
Claims use since Jan. 1, 1927.

Ser. No. 591,467. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950.

OTHELLO

Applicant claims ownership of Registration No. 356,980.
For Tracing Paper.
Claims use since Jan. 1, 1900.

Ser. No. 591,469. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950.

VICTOR

Applicant claims ownership of Registration No. 356,986.
For Blue Print Cloth.
Claims use since May 8, 1898.

Ser. No. 591,470. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950.

VICTORY

Applicant claims ownership of Registration No. 356,984.
For Drawing Paper.
Claims use since Jan. 1, 1920.

Ser. No. 593,492. Mentmore Manufacturing Co. Limited, London, England. Filed Mar. 6, 1950.

MENTMORE

Applicant claims ownership of British Registration No. 612,422, dated July 26, 1940.
For Fountain Pens, Stylographic Pens, Pen Nibs, Pen Stands, Pen Trays, Writing Sets Consisting of a Pen and a Pencil, Desk Sets Consisting of a Stand for a Pen and a Pen, Pencils, Leads for Pencils, and Ink Blotters.

Ser. No. 594,796. Lipman's Inc., New York, N. Y. Filed Mar. 28, 1950.

北 MANCHU No.57

The Chinese character preceding the word "Manchu" indicates "North."
For Pencils.
Claims use since Aug. 1, 1949.

Ser. No. 594,797. Lipman's Inc., New York, N. Y. Filed Mar. 28, 1950.

北 MANCHURIAN No.75

The Chinese character shown in the drawing indicates "North."
For Pencils.
Claims use since Aug. 1, 1949.

Ser. No. 595,117. J. Parker Williams, doing business under style of Cape Shore Paper Products, South Portland, Maine. Filed Mar. 18, 1950.



For Writing Paper, Paper Napkins, and Correspondence Envelopes.
Claims use since June 1, 1947.

Ser. No. 595,483. Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Filed Apr. 8, 1950.

D-50

Applicant claims ownership of Registration No. 535,329.
For Fountain Pens.
Claims use since Feb. 24, 1950.

Ser. No. 595,836. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Apr. 17, 1950.

WHITE PINE

For Kraft Paper—Namely, Wrapping Paper and Butcher Paper.
Claims use since Aug. 22, 1949.

Ser. No. 596,389. Brunner-Johnson Company, Wichita, Kans. Filed Apr. 27, 1950.

MEDICOSTAT

For Partially Printed Forms Constituting Case History-Physical Examination, Diagnosis, and Patient Treatment Guides, and Accounting Records for Doctors, Dentists, Etc.
Claims use since Jan. 11, 1950.

Ser. No. 600,411. Badger Tissue Mills, Kaukauna, Wis. Filed July 10, 1950.



For Paper Napkins.
Claims use since Mar. 6, 1950.

Ser. No. 600,516. Thomson Paper Mills, Inc., New York, N. Y. Filed July 11, 1950.

Regal

For Toilet Tissues.
Claims use since Sept. 1, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 572,514. Nelson Doubleday, Inc., Garden City, N. Y. Filed Jan. 21, 1949.



The representation of a book is disclaimed.
For Books.
Claims use since January 1931.

CLASS 39

CLOTHING

Ser. No. 519,382. Dunlap Clothes Shop, Cincinnati, Ohio. Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, Sept. 2, 1948. (Sec. 2f.)

BRITISH ROLL

For Outer Shirts and Collars.
Claims use since Nov. 27, 1938.

Ser. No. 538,680. Valcort Hosiery Corporation, New York, N. Y. Filed Oct. 22, 1947.

VALCORT

For Ladies' and Misses' Hosiery.
Claims use since Mar. 5, 1934.

Ser. No. 546,952. Hattie Carnegie, Inc., New York, N. Y. Filed Jan. 14, 1948. (Sec. 2f.)

Carnegie

Applicant claims ownership of Registrations Nos. 362,510 and 368,803.
For Wearing Apparel for Women and Children—Namely, Evening Gowns, Hostess Gowns, Night Gowns, Dresses, Hats, Coats, Suits, Wraps, Raincoats, Blouses; Gloves Made of Leather and Fabric, and Gloves for Household Use Made of Rubber; Scarfs, Handkerchiefs, Hosiery, Negligees, Pajamas, Slips, Underwear, Panties, Undershorts, Bloomers, Chemises, Petticoats, Brassières, and Girdles; Sportswear—Namely, Hats, Caps, Suits, Beach Dresses, Beach Shorts, Bathing Suits, Beach Robes, Sweaters, Slacks, and Outer Shorts; and Fur Garments—Namely, Coats, Capes, Scarfs, Wraps, and Muffs.
Claims use since Jan. 1, 1919.

Ser. No. 550,780. C. & K. Manufacturing Company, Lomita, Calif. Filed Feb. 28, 1948.

"Perki-Miss"

California Original
by Helmi and Lilia

The words "California Originals" are disclaimed.
For Dresses for Children and Junior Misses.
Claims use since Dec. 2, 1947.

Ser. No. 564,208. Malone Knitting Company, Springfield, Mass. Filed Aug. 26, 1948.

Plymouth

For Infants' Shirts, Bands, and Panties, Made From Knitted Fabrics.
Claims use since 1928.

Ser. No. 567,027. Lodenfrey Corporation of America, New York, N. Y. Filed Oct. 15, 1948.

LODEN frey

The word "Loden" is disclaimed.
For Men's, Women's, and Children's Rain Coats, Top Coats, Overcoats, and Sports Coats.
Claims use since Oct. 15, 1940.

Ser. No. 575,147. Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Filed Mar. 9, 1949. (Sec. 2f.)

Hampshire

For Knitted Goods—Namely, Sweaters for Men, Women, Boys, and Girls; Mufflers and Apparel Wristlets.
Claims use since Jan. 31, 1938.

Ser. No. 577,803. M. K. M. Hosiery Mills, Inc., Boston, Mass. Filed Apr. 27, 1949.

TEX-MAID

For Ladies' Hosiery.
Claims use since Oct. 1, 1948.

Ser. No. 580,484. B. S. Kahn & Company, Inc., Miami, Fla. Filed June 15, 1949.

LindaLee

The name "Linda Lee" is purely fanciful. Applicant claims ownership of Registration No. 260,357.
For Ladies', Misses', Juniors', and Children's Dresses.
Claims use since Jan. 20, 1928.

Ser. No. 582,449. Seymour Mercantile Co., New York, N. Y. Filed July 23, 1949.

Campon

For Men's and Boys' Apparel Belts, Men's and Boys' Suspenders, Men's and Boys' Necktles Consisting of Four-in-Hand Ties, Middle Ties, Bow Ties, Band and Clip Kerchiefs Made of Woven and Knitted Fabrics, Men's and Boys' Mufflers and Gloves Made of Leather, and Knitted or Woven Fabrics and Combination Sets Thereof.
Claims use since June 18, 1948.

Ser. No. 582,574. Walter W. Moyer Company, Ephrata, Pa. Filed July 27, 1949.

ORVETTA

Applicant claims ownership of Registration No. 281,116.
For Women's, Misses', Infants', Men's, Boys', and Juveniles' Hosiery, Socks, and Underwear.
Claims use since Apr. 20, 1949.

Ser. No. 583,938. J. B. Lewis & Sons Limited, Nottingham, England. Filed Aug. 24, 1949.

SUNDIAL

Applicant claims ownership of British Registration No. 441,819, dated Oct. 20, 1923.
For Men's, Women's, Children's, and Infants' Wearing Apparel—Namely, Underwear Consisting of Shirts, Shorts, Drawers and Union Suits, Panties, Knickers, Trunks, Petticoats, Bodices, Corsets, Brassières, Pyjamas, Night-Dresses, Sleeping Suits; Dressing Gowns and Jackets, Bed-Jackets, House-Coats, Coats, Suits, Waistcoats, Trousers, Slacks, Outer Shorts, Outer Skirts, Frocks, Spencers, Mantles, Shawls, Sweaters, Rompers, Sports Shirts and Blouses, Football Jerseys, Gym Shirts, Bathing Suits, and Trunks, Scarves, Lumber Coats, Boys' Jerseys, Jersey Suits, Infants' Pram Suits, Matinee Coats, Play Suits, Men's Pants, All Being Knitted Articles of Clothing.

Ser. No. 585,147. Transform, Inc., Hoboken, N. J. Filed Sept. 21, 1949.

transform

For Girdles, Corsets, and Foundation Garments.
Claims use since Sept. 15, 1949.

Ser. No. 585,412. Albert, Inc., Chicago, Ill. Filed Sept. 28, 1949.



The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 441,981.
For Women's, Misses', and Junior Misses' or Girls' Undergarments—Namely, Slips, Ladies' Petticoats or Half-Slips or Underskirts, Nightgowns, and Pajamas.
Claims use since July 14, 1949.

Ser. No. 588,500. Loveman, Berger and Teitlebaum, Inc., Nashville, Tenn. Filed Nov. 29, 1949.

Mistare

For Women's Hosiery and Underwear.
Claims use since January 1949.

Ser. No. 589,736. Olympic Knitwear, Inc., New York, N. Y. Filed Dec. 21, 1949.

Bun-i-dot

For Sweaters, Made in Part of Rabbit Hair.
Claims use since August 1949.

Ser. No. 589,824. Blauner's, Philadelphia, Pa. Filed Dec. 23, 1949.

Marvette

For Women's and Children's Hosiery.
Claims use since Sept. 30, 1949.

Ser. No. 590,615. Newage International, Inc., New York, N. Y. Filed Jan. 10, 1950.

Newage

For Women's, Children's, and Infants' Outer Clothing—Namely, Knitted Sweaters and Cardigans.
Claims use since Dec. 21, 1949.

Ser. No. 590,799. The Boss Manufacturing Company, Kewanee, Ill. Filed Jan. 13, 1950. (Sec. 2f.)

FIST-GRIP

Applicant claims ownership of Registration No. 524,398.
For Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric.
Claims use since Oct. 5, 1940.

Ser. No. 591,725. Glenhaven Ltd., Baltimore, Md. Filed Jan. 31, 1950.

GLENHAVEN

The drawing is lined for gray.
For Ladies' Wearing Apparel—Namely, Dresses, Suits, Coats, and Skirts.
Claims use since Jan. 9, 1950.

Ser. No. 592,108. Jean Vernon, Inc., West Reading, Pa. Filed Feb. 7, 1950.

SANI-BRIEF

The term "Brief" is disclaimed.
For Ladies' or Misses' Panties.
Claims use since Jan. 3, 1950.

Ser. No. 593,975. Coat Craft Company, Philadelphia, Pa. Filed Mar. 15, 1950.

"Magic Thread"

Applicant disclaims the word "Thread."
For Girls' and Boys' Coats and Coat and Legging Sets.
Claims use since Aug. 12, 1947.

Ser. No. 593,976. Coat Craft Company, Philadelphia, Pa. Filed Mar. 15, 1950.

MAGIC HEM

The word "Hem" is disclaimed.
For Girls' and Boys' Coats and Coat and Legging Sets.
Claims use since Aug. 1, 1947.

Ser. No. 594,009. Alamac Knitting Mills, Inc., New York, N. Y. Filed Mar. 16, 1950.

TN TOWEL

The word "Towel" is disclaimed.
For Combined Shirt and Towel and Bath Robe and Towel.
Claims use since Feb. 18, 1950.

Ser. No. 596,545. Mary Celene Williams, Lawton, Okla. Filed Apr. 28, 1950.

Mary Celene's ORIGINALS

The word "Originals" is disclaimed.
For Girls' Dresses.
Claims use since Mar. 19, 1950.

Ser. No. 597,906. Princess Peggy, Inc., Peoria, Ill. Filed May 22, 1950.



The portrait of the girl's head is fanciful. Applicant claims ownership of Registrations Nos. 245,153, 291,817, 424,760, and 519,963.
For Ladies' and Children's Pajamas.
Claims use since May 17, 1950.

Ser. No. 597,907. Princess Peggy, Inc., Peoria, Ill. Filed May 22, 1950.



The portrait of the girl's head is fanciful. Applicant claims ownership of Registrations Nos. 424,760 and 519,963.
For Ladies' and Children's Pajamas.
Claims use since May 17, 1950.

Ser. No. 598,014. Hat Corporation of America, Norwalk, Conn. Filed May 24, 1950. (Sec. 2f.)

Cavanagh

Applicant claims ownership of Registrations Nos. 267,193, 270,725, and 505,279.
For Men's Hats, Caps, Necktles, and Overcoats; Women's Hats.
Claims use since February 1913.

Ser. No. 600,984. Seamprufe Incorporated, New York, N. Y. Filed July 20, 1950.

NYLDECHINE

For Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-Ins, and Pantles.
Claims use since May 22, 1950.

Ser. No. 601,277. Peter Pan Foundations, Inc., New York, N. Y. Filed July 26, 1950.

MAGICUP

For Brassières.
Claims use since June 15, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 591,728. Hero Mfg. Co., Inc., Middleboro, Mass. Filed Jan. 31, 1950.

HERO Metal Core

The words "Metal Core" are disclaimed. Applicant claims ownership of Registrations Nos. 412,037 and 420,239.
For Plastic Knitting Needles.
Claims use since July 21, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 558,963. S. Stroock & Co., Inc., New York, N. Y. Filed June 10, 1948.

MING TOY

For Blankets Made of Camel's Hair.
Claims use since Jan. 14, 1941.

Ser. No. 564,529. Simon, Healey & Goldstein, Inc., New York, N. Y. Filed Sept. 1, 1948.

SAN SOIE by SIHEGO

The words "San Soie" are disclaimed.
For Starched Sheer Fabric in the Piece Made of Rayon.
Claims use since Jan. 15, 1937.

Ser. No. 568,503. S. Handal & Sons, Inc., New York, N. Y. Filed Nov. 10, 1948.

RUAN GRANO DE ORO

The word "Ruan" is disclaimed.
For Textile Fabrics in the Piece Made Wholly or in Substantial Part of Linen; and for Tablecloths, Napkins, Towels, Bedspreads, Bed Sheets, Pillowcases, and Table Mats, All Made Wholly or in Substantial Part of Linen.
Claims use since Oct. 7, 1948.

Ser. No. 569,982. Murphy & Stevenson Ltd., Belfast, Northern Ireland. Filed Dec. 4, 1948.



The words "Truflax" and "Pure Irish Linen" are disclaimed.
For Table Cloths, Napkins, Towels, All Being Linen Goods; and Linen Piece Goods.
First used in 1930; and first used in commerce between foreign nations and the United States which may lawfully be regulated by Congress in 1930.

Ser. No. 571,042. Pepperell Manufacturing Company, Boston, Mass. Filed Dec. 23, 1948. (Sec. 2f as to "Pepperell.")

PEPPERELL PERFECOMB

Applicant claims ownership of Registrations Nos. 68,576, 68,578, 141,199, and 364,792.
For Sheets, Pillow Cases and Sheetings.
Claims use since Nov. 30, 1948, as shown; and since 1852 as to "Pepperell."

Ser. No. 574,246. The Rubenstein Company, Chicago, Ill. Filed Feb. 21, 1949.

Ruby Fabrics

The word "Fabrics" is disclaimed.
For Upholstery Fabrics Made of Cotton, Wool, Mohair, and Synthetic Fibres.
Claims use since Sept. 21, 1942.

Ser. No. 575,357. Lauerman Brothers Company, Marinette, Wis. Filed Mar. 12, 1949.

June Bride

For Sheets and Pillowcases.
Claims use since 1928.

Ser. No. 576,992. Societe Anonyme Valisere Societe Grenobloise des Gants d'Etoffes, Paris, Grenoble, France. Filed Apr. 12, 1949.

Vali

Applicant claims ownership of French Registration No. 349,546, dated Jan. 14, 1944.
For Fabrics in the Piece of Silk, Cotton, Linen, and Mixtures Thereof.

Ser. No. 577,698. American Reenforced Paper Company, Attleboro, Mass. Filed Apr. 26, 1949.

SISAL-X

The word "Sisal" is disclaimed.
For Unwoven Simulated Fabrics Made of Lengthwise Jute or Other Fibers Crossed by Sisal Strands Adhered Thereto by Bonding, Used as a Substitute for Burlap or a Reenforcing Medium for Other Products
Claims use since Apr. 20, 1940.

Ser. No. 580,650. Denemark & Morris, Inc., New York, N. Y. Filed June 17, 1949.

DENMOR
NO-FLAME

The words "No-Flame" are disclaimed.
For Treated Canvas and Duck Fabrics.
Claims use since May 1, 1934.

Ser. No. 581,083. Sears, Roebuck and Co., Chicago, Ill. Filed June 25, 1949.

OAKCREST

For Wool and Fiber Rugs and Carpeting.
Claims use since Nov. 4, 1947.

Ser. No. 595,796. M. Snower & Company, Chicago, Ill. Filed Apr. 15, 1950. (Sec. 2f.)

Kolor Kloth

Applicant claims ownership of Registration No. 303,645.
For Cotton Piece Fabrics.
Claims use since March 1932.

Ser. No. 596,748. Claudia M. Ogden, doing business as Claudia Ogden's "Pink Pony" Fabrics, Scottsdale, Ariz. Filed May 2, 1950.

"Pink Pony"

For Piece Goods Made of Cotton.
Claims use since Jan. 14, 1950.

Ser. No. 602,677. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Aug. 24, 1950.

SANFORLAN

Applicant claims ownership of Registrations Nos. 517,426, 351,572, and others.
For Woolen Blankets.
Claims use since July 7, 1950.

Ser. No. 602,883. Bates Manufacturing Company, Lewiston, Maine. Filed Aug. 29, 1950.

DISCIPLINED
FABRIC

The word "Fabric" is disclaimed.
For Cotton Piece Goods.
Claims use since June 28, 1950.

Ser. No. 602,927. Burlington Mills Corporation, Greensboro, N. C. Filed Aug. 30, 1950.

ANGEL WING

For Rayon Fabrics in the Piece.
Claims use since Aug. 3, 1950.

CLASS 43

THREAD AND YARN

Ser. No. 578,391. The Hemingway & Bartlett Mfg. Co., Watertown, Conn. Filed May 7, 1949.

NYLOCK

For Multiple-Filament Thread and Twine of Silk, Nylon and Other Synthetic Fibers for Use in the Manufacture and Repair of Fishnets.
Claims use since Jan. 15, 1949.

Ser. No. 578,496. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed May 10, 1949.

KODA

Applicant claims ownership of Registration No. 381,020.
For Synthetic Yarn.
Claims use since Mar. 11, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 540,339. Sturm & Scheinberg, Inc., New York, N. Y. Filed Nov. 6, 1947. (Sec. 2f.)

De Luxe

Applicant claims ownership of Registration No. 169,494.
For Ladies' Sanitary Belts and Men's Athletic Supporters.
Claims use since May 13, 1919.

Ser. No. 553,226. Universal Dental Company, Philadelphia, Pa. Filed Mar. 27, 1948. (Sec. 2f.)

NUFORM

The insignia below the word "Nuform" is a distinctive geometric design arbitrarily devised by the applicant.
Applicant claims ownership of Registrations Nos. 154,210 and 247,437.
For Artificial Teeth.
Claims use since December 1920.

Ser. No. 598,982. Clay-Adams Company, Inc., New York, N. Y. Filed June 13, 1950.

GOLD SEAL

Applicant claims ownership of Registration No. 234,920.
For Hypodermic Syringes and Hypodermic Needles.
Claims use since 1935.

Ser. No. 599,200. The Toledo Dental Products Co., Toledo, Ohio. Filed June 15, 1950.

JECTRON

For Artificial Dentures.
Claims use since May 24, 1950.

Ser. No. 599,232. Randall Faichney Corporation, Boston, Mass. Filed June 16, 1950.

IMPERIAL

Applicant claims ownership of Registration No. 91,898.
For Hypodermic Needles and Syringes, and Parts Thereof for Use Particularly by Dentists.
Claims use since July 1, 1903.

Ser. No. 599,358. Youngs Rubber Corporation, New York, N. Y. Filed June 17, 1950.

TROJAN

Applicant claims ownership of Registration No. 429,472.
For Prophylactic Membranous Articles for the Prevention of Contagious Diseases.
Claims use since Nov. 5, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,147. Constantine E. Karambelas, doing business under the name Connie's Food Products, Portland, Oreg. Original filed, act of 1920, Mar. 13, 1946; amended to application under act of 1946, Principal Register, Nov. 25, 1949.



The words "Walnut Klusters" and the representation of the goods are disclaimed. Applicant claims ownership of Registration No. 261,262.
For Candy.
Claims use since Nov. 1, 1937.

Ser. No. 503,193. Wallace L. Mayfield, doing business as Corno Products Company, Houston, Tex. Original filed, act of 1905, June 3, 1946; amended to application under act of 1946, Principal Register, Apr. 7, 1948.



The representation of the human figure is fanciful.
For Packaged Food Product—Namely, Corn Chips.
Claims use since Jan. 19, 1946.

Ser. No. 503,664. The Dan Perkins Company, Memphis, Tenn. Original filed, act of 1905, June 11, 1946; amended to application under act of 1946, Principal Register, Dec. 13, 1950.

FLAVORITE

For Sausage Seasoning Applied to the Cut Sausage Meat During the Process of Manufacturing Sausage and Usually Long Prior to Its Cooking and Consumption as an Article of Food and Not Used as Seasoning During Cooking and Consumption of the Sausage Meat.
Claims use since Jan. 1, 1934.

Ser. No. 531,980. Armour and Company, doing business as Armour Creameries, Chicago, Ill. Filed Aug. 21, 1947.

AVONDALE

For Butter.
Claims use since 1923.

Ser. No. 533,626. The Shotwell Mfg. Co., Chicago, Ill. Filed Sept. 5, 1947. (Sec. 2f.)

Shotwell's

Applicant claims ownership of Registration No. 416,086.
For Candy.
Claims use since Apr. 2, 1903.

Ser. No. 536,683. Foote & Jenks, Inc., Jackson, Mich. Filed Oct. 3, 1947.

ISOLATE

Applicant claims ownership of Registrations Nos. 141,550, 168,389, and 233,438.

For Extracts for Food-Flavoring Purposes From Selected Vanilla Beans and Extracts for Food-Flavoring Purposes for the Following Flavors: Limes Expressed, Black Raspberry, Spearmint, Cherry Flavor Reinforced With Other Natural Flavors, Orange Flavor Reinforced With Other Natural Flavors, and Strawberry Flavor Reinforced With Other Natural Flavors, Pineapple, Raspberry, Strawberry, Cherry, Nutmeg, Coffee, Almond, Distilled Limes, Lemon, Orange, Lemon and Limes, and Peppermint.

Claims use on extracts from vanilla beans since June 1, 1919, on pineapple, raspberry, strawberry, cherry, nutmeg, coffee, almond, distilled limes, lemon, limes expressed, orange, lemon and limes, black raspberry and peppermint flavors since June 1, 1922; on spearmint flavor since approximately Jan. 1, 1933; on strawberry flavor reinforced with other natural flavor since prior to Jan. 1, 1942; on cherry flavor reinforced with other natural flavor and orange flavor reinforced with other natural flavor since approximately Jan. 1, 1944.

Ser. No. 540,524. Commercial Importing Co., Seattle, Wash. Filed Nov. 8, 1947.

CORONA

Applicant claims ownership of Registrations Nos. 73,674 and 285,141.

For Coffee and Tea.

Claims use since 1904.

Ser. No. 550,769. Ark Bakers, Inc., Wichita, Kans., assignor to C. J. Patterson Company, Kansas City, Mo., a corporation of Missouri. Filed Feb. 28, 1948.

ARK
AMERICAN RESEARCH KITCHEN

The words "American Research Kitchen" are disclaimed. Applicant claims ownership of Registration No. 435,830.

For Bread.

Claims use since Apr. 24, 1945.

Ser. No. 551,541. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business as The Pocatello Flour Mills, Pocatello, Idaho. Filed Mar. 9, 1948. CONCURRENT USE with Reg. No. 269,646 for the area comprising Idaho, Utah, Wyoming, Montana, Nevada and California.



Applicant claims ownership of Registration No. 133,726.

For Wheat Flour.

Claims use since Sept. 12, 1929.

Ser. No. 553,378. Kuster Laboratories, Inc., San Francisco, Calif. Filed Mar. 30, 1948.

MEAT MAGIC

No claim is made to the word "Meat."

For Food Product—Namely, a Seasoning Solution of Hydrolyzed Vegetable Proteins, With Salt and Spices, Used To Accentuate Natural Meat Flavor.

Claims use since Sept. 25, 1946.

Ser. No. 554,401. Palumbo-Robinson Fruit Co., Homedale, Idaho. Filed Apr. 12, 1948.



The representation of the fruit is disclaimed. The drawing is lined for the colors red, black, green, gold, purple, yellow, and blue.

For Fresh Peaches.

Claims use since July 1938.

Ser. No. 565,520. H. C. Brill Co., Inc., Newark, N. J. Filed July 16, 1948. (Sec. 2f.)

E-ZEE FREEZ

Applicant claims ownership of Registrations Nos. 303,644, 329,512, and 331,946.

For Ice Cream Powders, Consisting in a Combination of Pure Food Ingredients in Powder Form for Making and/or Aiding in the Making of Ice Cream.

Claims use since Apr. 15, 1932.

Ser. No. 567,179. Chr. Bjelland & Co. Inc., New York, N. Y. Filed Oct. 19, 1948.



The drawing is lined for shading.

For Canned Fish—Namely, Herring, Sardines, and Anchovies; and Canned Mushrooms.

Claims use since 1890.

Ser. No. 568,129. Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States. Filed Nov. 3, 1948. (Sec. 2f.)

FARMER'S FAVORITE

For Canned Foods—Namely, Tomatoes, Tomato Catsup, Chili Sauce, Tomato Juice, Tomato Soup, Tomato Puree, Seafood Cocktail Sauce, Barbecue Sauce, Pumpkin, Pork and Beans, Kidney Beans, Red Beans, Lima Beans, Spaghetti, Hominy, Corn, Green Beans, Peas, Cherries and Apples.

Claims use since 1905.

Ser. No. 571,995. Preston-Shaffer Milling Co., Walla Walla, Wash., doing business as Western Milling Company. Filed Jan. 11, 1949.



For Wheat Flour.

Claims use since 1927.

Ser. No. 572,710. Arizona Dawn Gardens, Phoenix, Ariz. Filed Jan. 25, 1949. (Sec. 2f as to "Arizona Dawn.")



Applicant claims ownership of Registration No. 403,180.

For Fresh Grapes.

Claims use since Dec. 1, 1947, on the mark as shown; and since Apr. 26, 1943, on the words "Arizona Dawn."

Ser. No. 573,303. A. C. Carpenter, Water Mill, N. Y. Filed Feb. 4, 1949.



For Potatoes in Their Natural State.

Claims use since Dec. 10, 1948.

Ser. No. 577,270. Kappenglesser & Company, New York, N. Y. Filed Apr. 16, 1949.

KANANA

Applicant claims ownership of Registration No. 407,252.

For Banana Flavored Syrup for Food Purposes.

Claims use since Dec. 5, 1948.

Ser. No. 578,173. Tennessee Eastman Corporation, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed May 3, 1949.

BHA

For Chemical Preparation for Use as an Inhibitor To Retard Deterioration of Food or Foodstuffs.

Claims use since June 17, 1948.

Ser. No. 579,237. Valley Citrus Packing Co., Phoenix, Ariz. Filed May 20, 1949.

ARIZONA SUNGOD

Applicant disclaims the geographically descriptive word "Arizona."

For Fresh Citrus Fruit.

Claims use since 1944.

Ser. No. 579,668. Colonial Provision Co., Inc., Boston, Mass. Filed May 28, 1949.



The word "Cooked" is disclaimed. The portrait is fanciful, and not that of any living person. Applicant claims ownership of Registration No. 307,830.

For Pressed Luncheon Sausage, Salami, Minced Luncheon Sausage, Bologna, Canned Beef With Gravy, Canned Corned Beef Hash; Canned Beef Tripe With Gravy, and Canned Skinless Frankfurts.

Claims use since Apr. 15, 1947.

Ser. No. 579,669. Colonial Provision Co., Inc., Boston, Mass. Filed May 28, 1949.



The word "Smoked" is disclaimed. The portrait shown in the drawing is fanciful. Applicant claims ownership of Registration No. 307,830.

For Skinless Frankfurts, Smoked Pork Shoulder Butts, Smoked Pork Shoulder Picnics and Smoked Ham Ready To Eat.

Claims use since Apr. 15, 1947.

Ser. No. 583,204. Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Filed Aug. 9, 1949.

HAWAIIAN MAID

The geographical term "Hawaiian" is disclaimed.

For Canned Tuna.

Claims use since June 23, 1949.

Ser. No. 586,111. S & S Cone Corporation, New York, N. Y. Filed Oct. 11, 1949.

S & S

For Empty Ice Cream Cones Sold Only in Large Bulk Containers.
Claims use since July 28, 1949.

Ser. No. 586,992. C. F. Simonin's Sons, Inc., Philadelphia, Pa. Filed Oct. 28, 1949.

SPRAYCO

For Edible Coconut Oil Used as a Shortening and Seasoning for Popcorn, Corn Curls and Cheese Popcorn.
Claims use since June 6, 1949.

Ser. No. 588,230. Ready Foods Canning Corp., Chicago, Ill. Filed Nov. 23, 1949. (Sec. 2f.)

Kam

Applicant claims ownership of Registration No. 401,305.
For Canned Pork Luncheon Meat.
Claims use since Feb. 23, 1942.

Ser. No. 590,756. Owatonna Canning Company, Owatonna, Minn. Filed Jan. 12, 1950. (Sec. 2f.)

Owatonna

For Canned Asparagus, Peas, and Corn.
Claims use since 1927.

Ser. No. 592,188. Marius Boel, Inc., Marslev, Denmark. Filed Feb. 9, 1950.

THE HAMLET BRAND CHEESE

All wording except "Hamlet" and "Prince of Denmark" is disclaimed.
For Cheese.
First used on Sept. 30, 1946; and first used in commerce between the foreign nations and the United States which may lawfully be regulated by Congress on Oct. 31, 1946.

Ser. No. 593,216. Bovril, Limited, London, England. Filed Mar. 1, 1950.

Maralyn

Applicant claims ownership of British Registrations Nos. 677,901 and 677,903, dated Mar. 16, 1949.
For Preparation of Full Cream Milk, Separated Milk, Malt Extract, Sugar Lactose, Yeast Extract, Sodium Phosphate, Meat Extract, and Flavoring for Making a Food Beverage.

Ser. No. 594,824. Associated Date Growers & Packers, Indio, Calif. Filed Mar. 28, 1950.

KING'S GOLD

For Fresh Dates.
Claims use since Mar. 16, 1950.

Ser. No. 596,670. William Klein, doing business as American Mercantile Company, San Francisco, Calif. Filed May 1, 1950.

PARA-KING

The word "King" is disclaimed.
For Canned Shellfish.
Claims use since Sept. 29, 1949.

Ser. No. 597,209. Jamestown Baking Company, Inc., Jamestown, N. Y. Filed May 10, 1950.

Jamestown fresh

The word "Fresh" is disclaimed.
For Bread.
Claims use since July 15, 1937.

Ser. No. 597,218. Minnesota Valley Canning Company, Le Sueur, Minn., now by change of name Green Giant Company, a corporation of Minnesota. Filed May 10, 1950.

Niblets

Applicant claims ownership of Registrations Nos. 209,085, 275,555, 292,700, 292,701, 323,766, and 342,503.
For Canned Asparagus.
Claims use since July 24, 1939.

Ser. No. 597,660. Bay City Freezer, Inc., Bay City, Mich. Filed May 18, 1950.

BAY GARDENS

For Frozen Vegetables.
Claims use since June 20, 1949.

Ser. No. 597,712. Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden. Filed May 18, 1950.

CLOETTA

For Candy.
First used on Aug. 17, 1949 and first used in Commerce among the several States which may lawfully be regulated by Congress on Aug. 17, 1949.

Ser. No. 598,907. General Foods Corporation, New York, N. Y. Filed June 10, 1950. (Sec. 2f.)

Gaines

Applicant claims ownership of Registrations Nos. 293,226, 297,618, 342,441, and others.
For Dog Food.
Claims use since Sept. 1, 1929.

Ser. No. 598,954. International Milling Company, Minneapolis, Minn. Filed June 12, 1950.



For Wheat Flour, for Human Consumption.
Claims use since May 1, 1950.

Ser. No. 599,107. Mariwill Pies, Ringwood, Ill. Filed June 14, 1950.

MARIWILL

For Bakery Products—Namely, Pies.
Claims use since Jan. 25, 1950.

Ser. No. 599,179. Keppel's, Inc., Lancaster, Pa. Filed June 15, 1950.

FLYING SAUCER

For Candy.
Claims use since Apr. 19, 1950.

Ser. No. 599,305. Burnett & Burnett, Salinas and El Centro, Calif. Filed June 17, 1950.

His Nibs

For Fresh Vegetables.
Claims use since Dec. 16, 1949.

Ser. No. 599,454. Alice L. Robinson, doing business as Jato Industries, Chicago, Ill. Filed June 20, 1950.

Jato

For Salad Dressing.
Claims use since May 9, 1949.

Ser. No. 599,707. Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Filed June 24, 1950.

JUNKET

Applicant claims ownership of Registrations Nos. 30,916, 146,762, and others.
For Food Colors, Freezing Mix for Making Ice Cream, Fudge and Frosting Mix, Danish Dessert and Sherbet Mix.
Claims use since 1893.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 547,375. The Tivoli-Union Company, Denver, Colo. Filed Jan. 17, 1948.

Tivoli ARISTOCRAT

Applicant claims ownership of Registration No. 308,042.
For Beer.
Claims use since Dec. 15, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 551,677. Archer Rubber Company, Milford, Mass. Filed Mar. 11, 1948.

ROYAL ARCHER

Applicant claims ownership of Registration No. 135,387.
For Rubber Sheeting, Rubber Crib Sheeting, and Rubber Blankets.
Claims use since Feb. 1, 1914.

Ser. No. 570,401. William Alberts, doing business as W. Alberts, Omaha, Nebr. Filed Dec. 13, 1948.

Covermaster

For Appliance Covers—Namely Roaster Covers, Mixer Covers, Toaster Covers, Waffle Iron Covers, Bowl Covers, China Plate Covers, Lamp Shade Covers, Coat Hanger Covers, Bed Covers of the Nature of Protective Covers Placed Over the Complete Bed or Over the Head Board Thereof.
Claims use since October 1948.

Ser. No. 578,716. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Drinking Straws.
Claims use since May 1944.

Ser. No. 586,838. William E. Brown, Pewaukee, Wis. Filed Oct. 26, 1949.

BIG STINKY

For Insect Traps.
Claims use since Sept. 18, 1949.

Ser. No. 591,540. American Neviol Sign Company, Fort Worth, Tex. Filed Jan. 27, 1950.

Neviol

For Display Signs.
Claims use since Sept. 23, 1949.

Ser. No. 599,544. Acritex, Inc., New York, N. Y. Filed June 22, 1950.

ACRITEX

For Canvasses for Use as a Foundation for Paintings.
Claims use since Jan. 1, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 555,527. Jewel Tea Co., Inc., Barrington, Ill. Filed Apr. 24, 1948.

JEWEL

For Dental Cream, Shampoo, Blue, and Starch Finish.
Claims use since December 1923.

Ser. No. 570,720. S. P. Phalmo Co., Chicago, Ill. Filed Dec. 17, 1948.

Phal

For Tooth Powder and Mouth Wash.
Claims use since Sept. 27, 1948.

Ser. No. 573,684. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 10, 1949.

Ann Barton

The name "Ann Barton" is not the name of any particular individual known to applicant. Applicant claims ownership of Registration No. 334,952.
For Cosmetic Preparations—Namely, Face Creams, Makeup Base, Face Powder, Rouge, Lipstick, Hand Lotion, Foundation Lotion, Astringent Lotion, Skin Freshener, Medicated Cream, Personal Deodorants, Depilatories, Fingernail Preparations (Including Polish, Polish Remover, Cuticle Oil, Cuticle Remover), Perfume, Cologne, Toilet Water, Eyebrow Pencil, Eye Shadow, Mascara, Shampoo, Hair Wave Solution, Hair Lacquer.
Claims use since August 1935.

Ser. No. 574,830. Hyman Frieden, doing business under the name of Cavalier Laboratories, Norfolk, Va. Filed Mar. 3, 1949.

BOSUN

For Toilet Preparations for Men—Namely, Hair Tonics and Face Lotions.
Claims use since Feb. 5, 1949.

Ser. No. 578,350. Maurice Blanchet Parfums de Luxe Societe Anonyme, Paris, France. Filed May 6, 1949.

SALOMÉ

Applicant claims ownership of French Registration No. 318,857, dated Jan. 19, 1938.
For Perfumes and Cologne.

Ser. No. 586,194. Anatole Robbins, Inc., Los Angeles, Calif. Filed Oct. 12, 1949.

Liqui-creme

The word "Creme" is disclaimed.
For Cream Make-Up.
Claims use since Apr. 1, 1949.

Ser. No. 586,550. James Ormont, New York, N. Y. Filed Oct. 31, 1949.

EnCore

For Mouthwash.
Claims use since Oct. 20, 1949.

Ser. No. 589,242. Artistic Beauty Products Co., Los Angeles, Calif. Filed Dec. 13, 1949.

Curl Velvet

The word "Curl" is disclaimed.
For Liquid Hair Waving Solution.
Claims use since Oct. 12, 1949.

Ser. No. 589,581. Virginia L. Lager, Maumee, Ohio. Filed Dec. 19, 1949.

DRISHA

For Toilet Powders.
Claims use since August 1949.

Ser. No. 591,960. Witt A. Sheppard, Scappoose, Oreg. Filed Feb. 3, 1950.

HI-YU

For Tonic or Dressing for the Hair.
Claims use since Dec. 12, 1949.

Ser. No. 593,008. Caroline Morris, Chicago, Ill. Filed Feb. 24, 1950.

For All Purpose Cosmetic Cream.
Claims use since Apr. 1, 1918.

Ser. No. 597,297. Eugene Schueller, Paris, France. Filed May 11, 1950.

COLORAL

Applicant claims ownership of French Registration No. 400,151, dated Jan. 31, 1950.
For Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder.

Ser. No. 597,298. Eugene Schueller, Paris, France. Filed May 11, 1950.

DOPAL

Applicant claims ownership of French Registration No. 394,118, dated May 12, 1949.
For Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder.

Ser. No. 597,301. Eugene Schueller, Paris, France. Filed May 11, 1950.

OCAP

Applicant claims ownership of French Registration No. 341,792, dated Oct. 7, 1949.
For Rouge, Face Cream, Hair Lotion, Hand Cream; Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder.

Ser. No. 597,721. Academie Scientifique de Beaute, Paris and Colombes, France. Filed May 19, 1950.

VIVORMONES

Applicant claims ownership of French Registration No. 399,451, dated Jan. 12, 1950.
For Perfume, Rouge, Toilet Water; Face, Skin, and Hand Cream; and Face Powder.

Ser. No. 597,824. "42" Products, Ltd., Los Angeles and West Los Angeles, Calif. Filed May 20, 1950.

COLOREZE CREME

Applicant disclaims the word "Creme."
For Hair Coloring Creme.
Claims use since Apr. 28, 1950.

Ser. No. 597,957. House of Faril, Inc., Lowell, Mass. Filed May 23, 1950.

RED SASH

The word "Red" is disclaimed.
For Lipsticks.
Claims use since Apr. 14, 1950.

Ser. No. 599,098. Richard Hudnut, New York, N. Y. Filed June 14, 1950.

FRAGRANCE FRILLS

The word "Fragrance" is disclaimed.
For Cologne.
Claims use since May 23, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 555,527. Jewel Tea Co., Inc., Barrington, Ill. Filed Apr. 24, 1948. (Classified in Class 51.)

JEWEL

For Dental Cream, Shampoo, Blue, and Starch Finish.
Claims use since December 1923.

Ser. No. 563,265. Locks Laboratories, New York, N. Y. Filed Aug. 12, 1948.

Robert Curley

The name "Robert Curley" is fanciful. Applicant claims ownership of Registration No. 530,852.
For Shampoo and Hair Conditioner for Restoring Lustre and Assisting in Curling and Preserving the Hair.
Claims use since Dec. 15, 1947.

Ser. No. 568,493. The Cloroben Corporation, Jersey City, N. J. Filed Nov. 10, 1948.

DE-SOL

For Chemical Cleansing Preparation With Additional Properties as an Industrial Disinfectant, Deodorant, Insecticide, Etc.
Claims use since Sept. 22, 1948.

Ser. No. 573,684. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 10, 1949. (Classified in Class 51.)

Ann Barton

The name "Ann Barton" is not the name of any particular individual known to applicant. Applicant claims ownership of Registration No. 334,592.
For Cosmetic Preparations—Namely, Face Creams, Makeup Base, Face Powder, Rouge, Lipstick, Personal Deodorants, Depilatories, Fingernail Preparations (Including Polish, Polish Remover, Cuticle Oil, Cuticle Remover), Perfume, Cologne, Toilet Water, Eyebrow Pencil, Eye Shadow, Mascara, Shampoo, Hair Wave Solution, Hair Lacquer.
Claims use since August 1935.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 592,149. Harold L. Holbrook, Ph. D., New Haven, Conn. Filed Feb. 8, 1950.

STOP THINK STD THEN DO THINKINGLY

The words "Stop, Think, Then Do Thinkingly" are disclaimed.
For Group Conference and Consultation Services in Reference to Personality Adjustments, Labor-Management Problems, Sales and Production Promotion, and Plant Administration and Personnel Management.
Claims use since Dec. 3, 1949.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 522,465. Old American Insurance Company, Kansas City, Mo. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Sept. 23, 1948.

OLD AMERICAN

The words "Old American," "Reliability," "Protection" and "Security" are disclaimed.
For Underwriting of Personal Insurance—Namely, Life, Casualty, and Hospitalization.
Claims use since Dec. 12, 1939.

Ser. No. 528,993. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Filed July 21, 1947.

EMPLOYERS MUTUALS OF WAUSAU

The wording is disclaimed.
For Workmen's Compensation, Public Liability, Automobile, Group Health and Accident, Burglary, Plate Glass and Fidelity Bonds, Insurance Services.
Claims use since Apr. 15, 1946.

Ser. No. 528,994. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Filed July 21, 1947.

EMPLOYERS MUTUALS OF WAUSAU

The wording is disclaimed.
For Workmen's Compensation, Public Liability, Automobile, Group Health and Accident, Burglary, Plate Glass and Fidelity Bonds, Insurance Services.
Claims use since Apr. 15, 1946.

Ser. No. 532,283. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Filed Aug. 25, 1947.

CONSERVED EMPLOYERS MUTUALS LIBERTY CORNER

All wording on the drawing is disclaimed.
For Workmen's Compensation, Public Liability, Automobile, Group Health and Accident, Burglary, Plate Glass and Fidelity Bonds, Insurance Services.
Claims use since Apr. 15, 1946.

Ser. No. 581,226. Norman Whitman, Omaha, Nebr. Filed June 28, 1949.

BUSINESOR

For Procuring Buyers of Businesses, Together With the Real Estate on Which Such Businesses Are Located, for Those Who Desire To Sell Said Businesses and Said Real Property.
Claims use since May 31, 1949.

Ser. No. 593,741. Ohio Farmers Insurance Company, LeRoy, Ohio. Filed Mar. 10, 1950.



The picturization of the farmer is fanciful, and the drawing is lined for shading purposes only.
For Fire, Wind, Explosion, Loss of Earnings, All Risk and Allied Types of Property Insurance.
Claims use since Jan. 1, 1879.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 559,877. Hickok Oil Corporation, Toledo, Ohio, and elsewhere. Filed June 17, 1948. (Sec. 2f.)

HI-SPEED

For Inspection, Maintenance, and Repair of Motor Vehicles.
Claims use since Sept. 15, 1917.

Ser. No. 564,400. Perfecting Service Company, Chicago, Ill. Filed Aug. 30, 1948. (Sec. 2f.)

"WHERE Good Connections COUNT"

For Servicing of Connection Devices—Namely, the Servicing and Repairing of Rotary Unions and Flexible Metal Hose.
Claims use since Jan. 9, 1939.

Ser. No. 584,937. West Disinfecting Company, Long Island City, N. Y. Filed Sept. 16, 1949.

WEST WEST

Applicant claims ownership of Registrations Nos. 257,156, 379,309, 510,422, 512,279, 516,258, 517,852, and 382,333.
For Toilet Room Disinfecting and Sanitation; and Insect, Peat, and Rodent Control and Extermination, by Chemicals.
Claims use since Dec. 16, 1893.

CLASS 104

COMMUNICATION

Ser. No. 536,331. The Yankee Network Inc., Boston, Mass. Filed Sept. 30, 1947.

YANKEE

For Radio Program Broadcasting Services.
Claims use since Jan. 1, 1931.

Ser. No. 545,083. Columbia Broadcasting System, Inc., New York, N. Y. Filed Dec. 22, 1947.

The Whistler

For Radio Program Broadcasting Services.
Claims use since Sept. 13, 1942.

Ser. No. 557,808. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Filed May 25, 1948.

Brunch With Bill

For Radio Program Broadcasting Services.
Claims use since Sept. 11, 1944.

Ser. No. 557,810. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed May 25, 1948.

Tap Time

For Radio Program Broadcasting Services.
Claims use since Mar. 21, 1938.

Ser. No. 567,937. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed Oct. 30, 1948.

R.D. 1060

For Radio Program Broadcasting Services.
Claims use since Aug. 25, 1947.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 527,801. Trans-American Van Service, Inc., Chicago, Ill. Filed July 5, 1947. (Sec. 2f.)

TRANS-AMERICAN

For Motor Van Transportation and Warehousing Service—Namely, Moving Household Goods, Machinery, Fixtures and Like Merchandise and Storing and Warehousing the Same.
Claims use since June 1935.

Ser. No. 561,013. Greyvan Lines, Inc., Chicago, Ill. Filed July 9, 1948.

GREYVAN Lines

The word "Lines" is disclaimed.
For Storage and Interstate Shipping by Motor Vans and Trucks of Miscellaneous Goods.
Claims use since Dec. 15, 1933.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 550,390. Louis G. Cowan, New York, N. Y., assignor to Quiz Kids, Inc., Chicago, Ill., a corporation of Illinois. Filed Feb. 24, 1948. (Sec. 2f.)

Quiz Kids

For Entertainment Service in the Nature of Quiz Shows, Through the Medium of Radio.
Claims use since June 24, 1940.

Ser. No. 596,403. Jack B. Fellows, Kansas City, Mo. Filed Apr. 27, 1950.

TELECRAFT TIME

The word "Time" is disclaimed.
For Manually Demonstrating and Vocally Instructing in the Use of Tools and Processes for Various Hobby Crafts Such as Leather Tooling, Textile Painting, Shell Mounting, Etc. Through the Medium of a Series of Radio-Television Broadcast Programs.
Claims use since Apr. 6, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,469. Internal Combustion Engines and Parts Therefor for Aircraft, Etc. Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich.
Filed Apr. 1, 1946, Serial No. 499,395. Published May 9, 1950. Class 23.

444,470. Shoes for the Use of Men, Women, and Children, Made Wholly or Principally of Leather. Brevitt Shoes Limited, Leicester, England.
Filed June 20, 1946, Serial No. 504,246. Published Jan. 23, 1951. Class 39.

444,471. Shoes for the Use of Men, Women, and Children, Made Wholly or Principally of Leather. Brevitt Shoes Limited, Leicester, England.
Filed June 20, 1946, Serial No. 504,247. Published Jan. 23, 1951. Class 39.

444,472. Paints, Paint Primers, Paint Enamels, Lacquers, and Varnishes All for Interior and Exterior Application. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Sept. 18, 1946, Serial No. 509,298. Published Jan. 9, 1951. Class 16.

444,473. Sunglasses. Lapin Products, Inc., Newark, N. J.
Filed July 2, 1947, Serial No. 525,605. Published Jan. 9, 1951. Class 26.

ACT OF 1946, PRINCIPAL REGISTER

540,945. Springs, Spring Assemblies and Units for Upholstered Furniture. No-Sag Spring Company, Warren Township, Macomb County, Mich.
Original filed, act of 1905, Nov. 4, 1946: amended to application under act of 1946, Principal Register, Mar. 22, 1948, Serial No. 512,014. Published Nov. 21, 1950. Class 32.

540,946. Varnish. Hockaday, Inc., Chicago, Ill.
Original filed, act of 1905, Jan. 10, 1947: amended to application under act of 1946, Principal Register, Apr. 2, 1948, Serial No. 515,564. Published Jan. 9, 1951. Class 16.

540,947. Special Salad Dressing, Mayonnaise, and French Dressing. Brockles Foods Company, doing business as Brockles Club Cafe, Dallas, Tex., assignee, by mesne assignments, of Andrew A. Brockles and Mrs. Abbie D. Brockles.
Original filed, act of 1905, Feb. 15, 1947; amended to application under act of 1946, Principal Register, Oct. 2, 1947, Serial No. 517,551. Published Jan. 2, 1951. Class 46.

540,948. Dried Onions. Basic Vegetable Products, Inc., Vacaville, Calif.
Original filed, act of 1905, Mar. 15, 1947; amended to application under act of 1946, Principal Register, Mar. 27, 1950, Serial No. 519,048. Published Jan. 23, 1951. Class 46.

540,949. Material and Load Moving and Handling Equipment for Digging, Excavating, Dragging, Dredging and Lifting—Namely, Power Shovels, Cranes, Etc. Lima-Hamilton Corporation, Lima, Ohio, by change of name from Lima Locomotive Works, Incorporated.
Original filed, act of 1905, June 9, 1947; amended to application under act of 1946, Principal Register, May 16, 1950, Serial No. 523,846. Published Dec. 26, 1950. Class 23.

540,950. Bottled Cherries. Ohio Fruit Products Co., Inc., Cleveland, Ohio, and North East, Pa.
Filed July 14, 1947, Serial No. 528,580. Published Jan. 4, 1949. Class 46.

540,951. Work Gloves Made of Leather and Canton Flannel. Good Luck Glove Company, Carbondale, Ill.
Filed July 22, 1947, Serial No. 529,160. Published Jan. 30, 1951. Class 39.

540,952. Condenser Lenses. Bell & Howell Company, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,549. Published July 12, 1949. Class 26.

540,953. Cotton Rope, Sash Cord, Seine Twines, Polished Twines, Braided Cotton Rope, Wrapping Cord, Braided Cord, Cabled Rope, Wrapping Twine, Cabled Cord, Twister Bands, Twisted Yarn Warps, Mop Yarns, Twisted Cotton Roping, Nautical Log Lines. William E. Hooper & Sons Company, Philadelphia, Pa.
Filed Oct. 3, 1947, Serial No. 536,605. Published Aug. 15, 1950. Class 7.

540,954. CONSOLIDATED CERTIFICATE. Abbott Laboratories, North Chicago, Ill.
Various Preparations Such as Drugs, Medicines, Pharmaceuticals and Chemicals, Etc. Filed Oct. 7, 1947, Serial No. 536,977. Published Aug. 22, 1950. Class 18.
Devices or Appliances—Namely, Gauze Dressings, Inhalers, Insufflators, Pharmaceutical Counting Trays, Drug Applicators, and Appliances for the Parenteral Administration or Withdrawal of Fluids—Intended for Use by the Medical or Allied Professions. Filed Aug. 4, 1948, Serial No. 562,741. Published Mar. 7, 1950. Class 44.
Food Flavoring Extracts and Brominated Vegetable Oils for Food Purposes. Filed Aug. 4, 1948, Serial No. 562,742. Published Aug. 15, 1950. Class 46.

540,955. Ladies' Hats. Greenberg-Fisch Hat Co., New York, N. Y.
Filed Oct. 25, 1947, Serial No. 539,047. Published Jan. 30, 1951. Class 39.

540,956. Ready Mixed Interior Paints. Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc., a corporation of Minnesota.
Filed July 5, 1947, Serial No. 539,610. Published Jan. 2, 1951. Class 16.

540,957. Newspaper Columns or Sections. Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York.
Filed Oct. 31, 1947, Serial No. 539,648. Published Jan. 30, 1951. Class 38.

540,958. Newspaper Columns or Sections. Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, conducting business under the name and style of Buffalo Evening News, Buffalo, N. Y., assignor to Buffalo Evening News, Inc., Buffalo, N. Y., a corporation of New York.
Filed Oct. 31, 1947, Serial No. 539,651. Published Jan. 2, 1951. Class 38.

540,959. Liquid Water-Proofing Paint for Use on Roofing Materials. Stetson Paint & Varnish Company, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,789. Published Jan. 9, 1951. Class 16.

540,960. Paint Brushes. Baker Brush Co., Inc., New York, N. Y.
Filed Nov. 13, 1947, Serial No. 540,972. Published Dec. 28, 1948. Class 29.

540,961. Wall Calendars. Samuel Ward Manufacturing Company, Boston, Mass.
Filed Nov. 17, 1947, Serial No. 541,480. Published Jan. 16, 1951. Class 38.

540,962. Shoes. O'Donnell Shoe Corporation, Humboldt, Tenn.
Filed Nov. 25, 1947, Serial No. 542,337. Published Jan. 2, 1951. Class 39.

540,963. Insoles. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed Dec. 6, 1947, Serial No. 543,642. Published Jan. 9, 1951. Class 39.

540,964. Shoes for the Use of Men, Women and Children. Brevitt Shoes Limited, Leicester, England.
Filed Sept. 8, 1949, Serial No. 543,772. Published Jan. 23, 1951. Class 39.

540,965. Feeds for Stock, Hogs, and Poultry. Dannen Mills, Inc., St. Joseph, Mo.
Filed Dec. 10, 1947, Serial No. 543,903. Published Oct. 3, 1950. Class 46.

540,966. Paints for Interior and Exterior of Automobiles, Dry Gums for Use in the Manufacture of Varnishes and Liquid Varnishes. Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y.
Filed Dec. 31, 1947, Serial No. 545,880. Published Jan. 2, 1951. Class 16.

540,967. Composition Boards Used on Walls of Buildings, Principally Those Made of Wood, the Specific Character of the Said Composition Boards Is Their Sealing, Insulating, and Decorating Effect. Truco, Inc., Pittsburgh, Pa.
Filed Jan. 13, 1948, Serial No. 546,888. Published Mar. 29, 1949. Class 12.

540,968. Refrigerators and Refrigerating Devices—Namely, Electric Household and Commercial Refrigerators of the Cabinet Type, Etc. Borg-Warner Corporation, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 546,932. Published Jan. 9, 1951. Class 31.

540,969. Fresh Potatoes—Fresh Onions. Schley Brothers, Baltimore, Md.
Filed Jan. 22, 1948, Serial No. 547,778. Published Jan. 2, 1951. Class 46.

540,970. Men's Shoes Made of Leather or Partly of Leather. Gallenkamp Stores Co., Los Angeles, Calif.
Filed Feb. 9, 1948, Serial No. 549,144. Published Jan. 30, 1951. Class 39.

540,971. Shoes for Men, Women, and Children Made of Leather, Fabric, Rubber, or Compositions, and Combinations Thereof. A. G. Walton & Company, Inc., Chelsea, Mass.
Filed Feb. 17, 1948, Serial No. 549,995. Published Jan. 23, 1951. Class 39.

540,972. Display Signs. Adler Silhouette Letter Co., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,008. Published Dec. 19, 1950. Class 50.

540,973. Individual Demountable Display Sign Characters. Adler Silhouette Letter Co., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,009. Published Dec. 19, 1950. Class 50.

540,974. Periodical Publication. William G. Jasper, West Monroe, La.
Filed Feb. 25, 1948, Serial No. 550,513. Published Jan. 16, 1951. Class 38.

540,975. Dressmaker's Forms. Société à Responsabilité Limitée Comptoir de l'Industrie Cotonniere, Paris, France.
Filed Feb. 27, 1948, Serial No. 550,750. Published Dec. 19, 1950. Class 50.

540,976. Wheat Flour. The Colorado Milling & Elevator Co., doing business as The Claflin Flour Mills, Denver, Colo., Claflin, Kans., and elsewhere.
Filed Mar. 10, 1948, Serial No. 551,612. Published Oct. 31, 1950. Class 46.

540,977. Measuring Rules, Tape Measures, Carpenters' Levels, Carpenters' Squares, Gauges and T-Bevels. The Cussins and Fearn Company, Columbus, Ohio.
Filed Mar. 10, 1948, Serial No. 551,616. Published Jan. 9, 1951. Class 26.

540,978. Primer Compound for Coating Concrete Floors and Walls, Etc. Krano Sanitary & Janitor Supply Co., Chicago, Ill., now by change of name Krano Products Company.
Filed Mar. 11, 1948, Serial No. 551,715. Published Jan. 10, 1950. Class 16.

540,979. Fresh Vegetables. J. A. Wood Company, Growers, Packers and Shippers, Phoenix, Ariz., assignee of Singh & Wood Farms.
Filed Mar. 12, 1948, Serial No. 551,828. Published Jan. 23, 1951. Class 46.

540,980. Hosiery. Palmyra Hosiery Mills, Inc., Albany, Ga.
Filed Mar. 22, 1948, Serial No. 552,693. Published Apr. 4, 1950. Class 39.

540,981. House Paint; Barn Paint; Floor Paint; Flat Wall Paint; Screen Paint; Etc. Katz Drug Company, Kansas City, Mo.
Filed Mar. 23, 1948, Serial No. 552,787. Published Jan. 9, 1951. Class 16.

540,982. Liverwurst, Lunch Roll, Olive Loaf, Pimiento Loaf, and Pork Roll. Karl Seiler & Sons, Inc., Philadelphia, Pa.
Filed Mar. 23, 1948, Serial No. 552,810. Published Dec. 26, 1950. Class 46.

540,983. Liverwurst, Lunch Roll, Olive Loaf, Pimiento Loaf, and Pork Roll. Karl Seiler & Sons, Inc., Philadelphia, Pa.
Filed Mar. 23, 1948, Serial No. 552,811. Published Dec. 26, 1950. Class 46.

540,984. Semi-Transparent Mirrored Glass Sheets. Astro Glass Specialties Company, Hollywood and Los Angeles, Calif., assignor to Pacific Universal Products Corporation, Pasadena, Calif., a corporation of California.
Filed Apr. 10, 1948, Serial No. 554,289. Published Feb. 7, 1950. Class 33.

540,985. Perfumes. George B. Edmunds, Atlanta, Ga.
Filed Apr. 23, 1948, Serial No. 555,393. Published Dec. 26, 1950. Class 51.

540,986. Coal. Jeddo-Highland Coal Company, Jeddo, Pa.
Filed May 6, 1948, Serial No. 556,344. Published Jan. 2, 1951. Class 1.

540,987. Men's Suits, Topcoats, and Overcoats. Samson, Crane Co., Boston, Mass.
Filed May 6, 1948, Serial No. 556,376. Published Jan. 2, 1951. Class 39.

540,988. Women's Novelty Shoes. Belk's Buying Service, Incorporated, Charlotte, N. C.
Filed May 8, 1948, Serial No. 556,534. Published Jan. 30, 1951. Class 39.

540,989. Boys', Youths', and Men's Coats, Pants, Vests, and Suits for Formal Wear. S. Rudofker's Sons, Inc., Philadelphia, Pa.
Filed May 14, 1948, Serial No. 557,071. Published Jan. 23, 1951. Class 39.

540,990. Shoes for Ladies and Children, Made of Leather and Composition Materials and Combinations Thereof. Victory Footwear Sales Company, Baltimore, Md.
Filed May 15, 1948, Serial No. 557,168. Published Jan. 23, 1951. Class 39.

540,991. Men's and Women's Locker Sandals. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed May 26, 1948, Serial No. 557,858. Published Jan. 9, 1951. Class 39.

540,992. Moulded Stiffeners for Boots and Shoes Made of Cellulose Fibres Combined With Leather Fibres. Avalon Leather Board Company Limited, Street, England.
Filed June 18, 1948, Serial No. 559,659. Published Jan. 23, 1951. Class 39.

540,993. Refrigeration Accessories—Namely, Fittings With Inspection Windows Mounted Therein, Fittings With Strainers Mounted Therein, Etc. Kerotest Manufacturing Company, Pittsburgh, Pa.
Filed June 23, 1948, Serial No. 560,026. Published Dec. 26, 1950. Class 31.

540,994. Lined Snow Suits for Children. Minnesota Sportswear Manufacturing Company, Minneapolis, Minn.
Filed July 7, 1948, Serial No. 560,823. Published Jan. 2, 1951. Class 39.

540,995. Silent Still and Motion Pictures of Educational Charts or Drawings and for Plate or Film Slides Containing Educational Charts or Drawings for Projection on a Screen or the Like. Carl M. Drennan, Pittsburgh, Pa.
Filed July 8, 1948, Serial No. 560,871. Published Jan. 2, 1951. Class 26.

540,996. Printing Inks Made, at Least in Part, of Metallic Salts. Roland E. Sleight, doing business as International Industrial Sales Company, Philadelphia, Pa.
Filed July 20, 1948, Serial No. 561,776. Published Jan. 30, 1951. Class 11.

540,997. Sponge Rubber in the Form of Sheet Stock or Pads for the Manufacture of Seat Cushions and Other Cushioning Materials. The Dayton Rubber Company, Dayton, Ohio.
Filed July 21, 1948, Serial No. 561,811. Published Jan. 23, 1951. Class 1.

540,998. Dairy Bottle Caps. Mid-West Bottle Cap Co., Belvidere, Ill.
Filed July 31, 1948, Serial No. 562,651. Published Dec. 19, 1950. Class 50.

540,999. Floor Sealers to Fill or Seal the Pores of Wood, Cement, or Terrazzo Floors and Adapted To Be Used as a Priming Coat in Painting Houses, Boats, and the Like. Morris E. Sherwood, doing business as Sherwood Products Co., Lansing, Mich.
Filed Aug. 3, 1948, Serial No. 562,735. Published Jan. 2, 1951. Class 16.

541,000. Men's and Boys' Trousers. Hoosier Factories, Inc., Michigan City, Ind.
Filed Aug. 13, 1948, Serial No. 563,339. Published Jan. 23, 1951. Class 39.

541,001. Chewing Gum. Clark Brothers Chewing Gum Company, Pittsburgh, Pa.
Filed Aug. 17, 1948, Serial No. 563,603. Published Dec. 26, 1950. Class 46.

541,002. Chewing Gum—Namely, Bubble Gum. Topps Chewing Gum, Incorporated, Brooklyn, N. Y.
Filed Aug. 19, 1948, Serial No. 563,766. Published Jan. 16, 1951. Class 46.

541,003. Ready-Mixed Paint for Exterior Use, Ready-Mixed Paint for Interior Use, Varnishes, Wood Stains, and Paint Enamels. General Paint & Varnish Co., Chicago, Ill.
Filed Apr. 10, 1948, Serial No. 564,004. Published Jan. 2, 1951. Class 16.

541,004. Glass Jugs; Vases, Jars; Sandwich Trays; Etc. Dunbar Glass Corporation, Dunbar, W. Va.
Filed Apr. 14, 1948, Serial No. 564,015. Published Dec. 19, 1950. Class 33.

541,005. Clinical Teaching Model of the Human Anatomy. Holland-Rantos Co., Inc., New York, N. Y.
Filed Aug. 25, 1948, Serial No. 564,124. Published Dec. 19, 1950. Class 50.

541,006. Temperature-Operated Switches. Penn Electric Switch Co., Goshen, Ind.
Filed Aug. 31, 1948, Serial No. 564,465. Published Jan. 9, 1951. Class 26.

541,007. Animal Feeds—Namely, Poultry, Dairy, Horse, Mule, Pig, and Hog Feeds, the Principal Ingredients of Which Are Grain and Other Ingredients. John C. Thomas, Jr., trading as Adel Milling Company, Adel, Ga.
Filed Aug. 31, 1948, Serial No. 564,485. Published Jan. 16, 1951. Class 46.

541,008. Soy Flour Used in Manufacture of Adhesives and Binders. Spencer Kellogg and Sons, Inc., Buffalo, N. Y.
Filed Sept. 1, 1948, Serial No. 564,531. Published Jan. 23, 1951. Class 1.

541,009. Board Game. Milton Bradley Company, Springfield, Mass.
Filed Oct. 4, 1948, Serial No. 566,376. Published Feb. 21, 1950. Class 22.

541,010. Electrically and Hydraulically Powered Machines for Use in the Manufacture of Impregnated Paper or Fiber Containers, Etc. Julius A. Zinn, Jr., Chicago, Ill.
Filed Oct. 4, 1948, Serial No. 566,409. Published Jan. 9, 1951. Class 23.

541,011. Electrically and Hydraulically Powered Machines, Etc. Julius A. Zinn, Jr., Chicago, Ill.
Filed Oct. 4, 1948, Serial No. 566,410. Published Jan. 2, 1951. Class 23.

541,012. Preparation for Internal Use for Diseases in the Digestion Canal. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Oct. 15, 1948, Serial No. 566,820. Published June 14, 1949. Class 18.

541,013. Sugar Beet Seed. The Great Western Sugar Company, Denver, Colo.
Filed Oct. 20, 1948, Serial No. 567,261. Published Jan. 16, 1951. Class 1.

541,014. Liquid Roof Coatings To Be Applied With a Brush and Composed Essentially of Asphalt Compounds, Etc. M. J. Merkin Paint Co., Inc., New York, N. Y.
Filed Oct. 26, 1948, Serial No. 567,642. Published Jan. 2, 1951. Class 16.

541,015. Air Measuring and Dispensing Units Including Stands, Gauges, Filters, Automatic Cut-Offs, Valves, Reels, Hose, Water Traps and Indicators, Sold as a Unit. The Wayne Pump Company, Fort Wayne, Ind.
Filed Oct. 30, 1948, Serial No. 567,935. Published Jan. 9, 1951. Class 26.

541,016. Combination of Enzymes Used To Convert Insoluble Starches and Proteins Which Are Commonly Found as Stains, Etc. Patek and Co., San Francisco, Calif.
Filed Nov. 1, 1948, Serial No. 568,002. Published Feb. 28, 1950. Class 6.

541,017. Adhesives for Binding Together Carpet Parts and for General Use in Connection With Carpets, and Thermoplastic Strips Especially Adapted for Binding Together Carpet Parts. James Templeton & Company Limited, Glasgow, Scotland.
Filed Nov. 16, 1948, Serial No. 568,877. Published Jan. 9, 1951. Class 5.

541,018. Hydraulic Brake Parts Comprising Master Cylinders, Wheel Cylinders, Pistons, Cups, and Cylinder Heads. Thermoid Company, Trenton, N. J.
Filed Nov. 22, 1948, Serial No. 569,230. Published Nov. 28, 1950. Class 23.

541,019. Orthopaedic Appliances — Namely, Corrective Heels, Arch Supporting Pads, Cushion Insoles, and Special Stiffeners for Footwear. C. & J. Clark Limited, Street, England.
Filed Nov. 24, 1948, Serial No. 569,349. Published Jan. 23, 1951. Class 44.

541,020. Fireworks. Tang Pik Tong, carrying on business under the name of Yick Loong Fireworks Company, Hong Kong, China.
Filed Nov. 26, 1948, Serial No. 569,488. Published Dec. 19, 1950. Class 9.

541,021. Fireworks. Tang Pik Tong, doing business as Kwan Yick Fireworks Company, Hong Kong, China.
Filed Nov. 26, 1948, Serial No. 569,489. Published Dec. 19, 1950. Class 9.

541,022. Knitted Under Shirts and Knitted Underwear for Men, Women, Boys, and Girls. Conn Knitting Mills, Inc., Oswego, N. Y.
Filed Dec. 1, 1948, Serial No. 569,672. Published Jan. 30, 1951. Class 39.

541,023. Cameras and Other Photographic Apparatus—Namely, Flash Bulbs, Flash Guns, Etc. B. Altman & Co., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,166. Published Jan. 16, 1951. Class 26.

541,024. Instrument for Checking the Fit of the Mating Parts of a Valve. Edward Valves, Inc., East Chicago, Ind.
Filed Dec. 10, 1948, Serial No. 570,292. Published Jan. 16, 1951. Class 26.

541,025. Acrylic Resinous Material in Powder and/or Liquid Form for Manufacturing Purposes in the Dental Industry. B. L. Dental Company, Inc., Forest Hills, N. Y.
Filed Dec. 15, 1948, Serial No. 570,538. Published Jan. 23, 1951. Class 44.

541,026. Pharmaceutical Product for Alleviating Allergic Manifestations Containing an Anti-Histamine With an Anti-Allergic and a Sedative. The Maltine Company, Morris Plains, N. J.
Filed Dec. 18, 1948, Serial No. 570,785. Published Feb. 28, 1950. Class 18.

541,027. Fresh Garlic. Caruso Brothers Produce Company, Kansas City, Mo.
Filed Dec. 20, 1948, Serial No. 570,834. Published Jan. 16, 1951. Class 46.

541,028. Exterior and Interior House Paints and Enamels. Kwal Paint Laboratories, Inc., Denver, Colo.
Filed Dec. 27, 1948, Serial No. 571,148. Published Jan. 2, 1951. Class 16.

541,029. Tongue Depressors. Martha Neumann, doing business as Monkey Tongues Company, Hewlett, N. Y.
Filed Jan. 12, 1949, Serial No. 572,040. Published Jan. 16, 1951. Class 44.

541,030. Hides and Leather. A. K. Salz Company, San Francisco and Santa Cruz, Calif.
Filed Jan. 22, 1949, Serial No. 572,589. Published Jan. 23, 1951. Class 1.

541,031. Pocket Knives. Colonial Knife Company, Inc., Providence, R. I.
Filed Feb. 1, 1949, Serial No. 573,118. Published Dec. 26, 1950. Class 23.

541,032. Therapeutic Lamps for Warming the Human Body. Infra-Appliances Corporation, New York, N. Y.
Filed Feb. 1, 1949, Serial No. 573,158. Published Jan. 9, 1951. Class 44.

541,033. Locking Gas Tank Caps. Atlas Supply Company, Newark, N. J.
Filed Feb. 10, 1949, Serial No. 573,608. Published Jan. 16, 1951. Class 25.

541,034. Motion Picture Films. Terrytoons, Inc., New Rochelle, N. Y.
Filed Feb. 11, 1949, Serial No. 573,744. Published Jan. 9, 1951. Class 26.

541,035. Bread, Cakes, Doughnuts, and Buns. Gardner Baking Company, Madison, Wis.
Filed Mar. 12, 1949, Serial No. 575,345. Published Jan. 16, 1951. Class 46.

541,036. Apparatus for Gauging the Positioning and Alignment of the Wheels and Wheel Suspension Parts of Motor Vehicles. Manbee Equipment Company, Inc., Chicago, Ill., assignor to Bear Manufacturing Company, Rock Island, Ill., a corporation of Delaware.
Filed Mar. 14, 1949, Serial No. 575,414. Published Jan. 16, 1951. Class 26.

541,037. Spirit Levels Such as Are Employed by Carpenters for Plumbing Their Work. J. H. Scharf Manufacturing Company, Omaha, Nebr.
Filed Mar. 17, 1949, Serial No. 575,600. Published Jan. 16, 1951. Class 26.

541,038. Women's Fur Apparel—Namely, Coats, Stoles, Capes, Jackets, Scarves, and Suits. Louis Gribin Inc., New York, N. Y.
Filed Feb. 7, 1949, Serial No. 575,802. Published Jan. 2, 1951. Class 39.

541,039. Zippered Bag Containing a Pessary and Vaginal Creams and Jellies. Ortho Pharmaceutical Corporation, Raritan, N. J.
Filed Mar. 23, 1949, Serial No. 575,924. Published Dec. 5, 1950. Class 18.

541,040. Shoes, for Men and Women, Constructed of Leather. Miller-Jones Company, Columbus, Ohio.
Filed Mar. 29, 1949, Serial No. 576,271. Published Jan. 23, 1951. Class 39.

541,041. Shoes for Women Constructed of Leather. Miller-Jones Company, Columbus, Ohio.
Filed Mar. 29, 1949, Serial No. 576,272. Published Jan. 23, 1951. Class 39.

541,042. Cartridge Belts, Shell Pouches, Rifle Slings, Pistol Cases, Holsters, Gun Cases, and Gun Covers. Castle Sporting Goods Inc., Brooklyn, N. Y.
Filed Mar. 31, 1949, Serial No. 576,399. Published Dec. 19, 1950. Class 9.

541,043. Coats, Cloaks, Capes, Jackets, and Robes Made of Fur; Coats, Suits, Dresses, Lingerie, Blouses, Gowns, Slacks, Hats, for Women. Societe Anonyme Marcel Rochas, Paris, France.
Filed Apr. 13, 1949, Serial No. 577,076. Published Jan. 9, 1951. Class 39.

541,044. Road Maintenance Equipment—Namely, Power Actuated Scraper Blade Devices for Attachment to a Motive Vehicle. The Burch Corporation, Crestline, Ohio.
Filed Apr. 15, 1949, Serial No. 577,167. Published Jan. 9, 1951. Class 23.

541,045. Spectacle Frames and Mountings. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Apr. 16, 1949, Serial No. 577,252. Published Jan. 16, 1951. Class 26.

541,046. Baby Chicks, Hatching Eggs, Pullets, and Chicken Breeding Stock. W. S. Hannah & Sons, Grand Rapids, Mich.
Filed Apr. 18, 1949, Serial No. 577,326. Published Jan. 23, 1951. Class 1.

541,047. Television Viewing Filters. Flexon Products Corporation, New York, N. Y.
Filed Apr. 26, 1949, Serial No. 577,712. Published Jan. 16, 1951. Class 26.

541,048. Bakery Products—Namely, Cookies, Wafers, Fruit Bars, Etc. Grandma Baking Company, Los Angeles, Calif.
Filed May 9, 1949, Serial No. 578,445. Published Jan. 16, 1951. Class 46.

541,049. Wood-Furniture Casters, Metal-Furniture Casters, Stem Casters, Threaded Stem Casters, Socket Head Casters, Etc. The Colson Corporation, Elyria, Ohio.
Filed May 11, 1949, Serial No. 578,569. Published Jan. 30, 1951. Class 13.

541,050. Sanitary Belts. Malamut & Chanen, Philadelphia, Pa.
Filed May 11, 1949, Serial No. 578,606. Published Jan. 9, 1951. Class 44.

541,051. Corn Remover, and Ointment for Treatment of Corns, and Callouses. Park Odor Products Company, Bangor, Maine.
Filed May 11, 1949, Serial No. 578,619. Published Dec 5, 1950. Class 18.

541,052. Cooked Chicken and Prepared Dinners Comprising Sections of Cooked Chicken. Nicholas Yanko, Akron, Ohio.
Filed May 14, 1949, Serial No. 578,910. Published Jan. 16, 1951. Class 46.

541,053. Sulfamerazine, Sulfadiazine, Sulfathiazole, Acetylsalicylic Acid, and Thiamin Chloride. Moore & Company, Inc., Worcester, Mass.
Filed May 20, 1949, Serial No. 579,203. Published Jan. 23, 1951. Class 18.

541,054. Air Filters of the Type Used for Filtering Air in Factories, Hot Air Heating Plants, Etc. Air Filter Corporation, Milwaukee, Wis.
Filed May 21, 1949, Serial No. 579,252. Published Jan. 9, 1951. Class 31.

541,055. Games Like Badminton Played With an Hour-Glass Shaped Spinning, Reel-Like Top, Tossed and Caught on a Cord Attached to Two Sticks Used as Handles. Guy I. Gibbons, Newton, Mass.
Filed May 25, 1949, Serial No. 579,494. Published Dec. 19, 1950. Class 22.

541,056. Fluid for Use in Hydraulic Jacking Systems for Motor Vehicles and Aircraft. Smiths Motor Accessories Limited, London, England.
Filed May 28, 1949, Serial No. 579,717. Published Dec. 5, 1950. Class 6.

541,057. Men's and Boys' Suits, Coats, Vests, Trousers, Overcoats, Dress Suits and Scarfs. Baker Clothes, Inc., Philadelphia, Pa.
Filed June 1, 1949, Serial No. 579,786. Published Oct. 10, 1950. Class 39.

541,058. Power Driven Sanding Machines and Parts Thereof. Bernard S. Oren, doing business as United States Industries, Chicago, Ill.
Filed June 4, 1949, Serial No. 579,994. Published Dec. 5, 1950. Class 23.

541,059. Combination Locks. Sargent & Greenleaf, Inc., Rochester, N. Y.
Filed June 14, 1949, Serial No. 580,433. Published Jan. 16, 1951. Class 25.

541,060. Children's Outer Garments—Namely, Snowsuits. Excel Garment Manufacturing Company, Minneapolis, Minn.
Filed June 24, 1949, Serial No. 580,981. Published Jan. 2, 1951. Class 39.

541,061. Personal Deodorant. Virginia Parks, Inc., Chicago, Ill.
Filed July 2, 1949, Serial No. 581,491. Published Dec. 26, 1950. Class 51.

541,062. Personal Deodorants. Virginia Parks, Inc., Chicago, Ill.
Filed July 2, 1949, Serial No. 581,492. Published Dec. 26, 1950. Class 51.

541,063. Electrically Driven Crane Bridge Drive Units, Reels for Electric Current Carrying Conductors or Cords, Etc. Manning, Maxwell & Moore, Inc., Muskegon, Mich.
Filed July 8, 1949, Serial No. 581,673. Published Jan. 16, 1951. Class 21.

541,064. X-Ray Diffraction Filters, Fluoroscopes, and Mountings for Fluoroscopic Screens, Etc. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed July 12, 1949, Serial No. 581,801. Published Jan. 9, 1951. Class 44.

541,065. Ice Making Machines and Parts Thereof. Ajax Corporation of America, Chicago, Ill.
Filed July 15, 1949, Serial No. 582,013. Published Jan. 23, 1951. Class 31.

541,066. Maternity Girdles. Kabo, Inc., Chicago, Ill.
Filed July 16, 1949, Serial No. 582,085. Published Jan. 16, 1951. Class 39.

541,067. Dog and Cat Food. Dallas B. Lewis, doing business as Skippy Pet Food Co., Los Angeles, Calif.
Filed July 18, 1949, Serial No. 582,136. Published Jan. 23, 1951. Class 46.

541,068. Anti-Shine Preparation for Application to the Skin. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed July 22, 1949, Serial No. 582,339. Published Dec. 5, 1950. Class 51.

541,069. Fresh Orange Juice. Fresh Corporation, Miami, Fla.
Filed July 22, 1949, Serial No. 582,350. Published Jan. 16, 1951. Class 46.

541,070. Sled Tops Which Form a Portion of Children's Sleds, Football Helmets, and Bases Providing a Track for Toy Horses in Horse Race Games. Hawley Products Company, St. Charles, Ill.
Filed July 23, 1949, Serial No. 582,427. Published Jan. 9, 1951. Class 22.

541,071. Removable Sump for an Oil Filter for an Internal Combustion Engine. De Luxe Products Corporation, La Porte, Ind.
Filed July 26, 1949, Serial No. 582,523. Published Jan. 23, 1951. Class 31.

541,072. Slide Fasteners and Components Therefor—Namely, Sliders, Pulls, Top and Bottom Stops, and Fastener Chain. Talon, Inc., Meadville, Pa.
Filed Aug. 4, 1949, Serial No. 583,009. Published Jan. 30, 1951. Class 13.

541,073. Metal Polishes, Automobile Polishes, Leather Polishes, and Floor Polishes. Waxed Silicone Products, Inc., Miami, Fla.
Filed Aug. 4, 1949, Serial No. 583,011. Published Dec. 5, 1950. Class 4.

541,074. Tall Oil. Rimco Trading Corporation, New York, N. Y.
Filed Aug. 10, 1949, Serial No. 583,290. Published Jan. 16, 1951. Class 1.

541,075. Men's and Boys' Overalls, Dungarees, Work Pants, Outer Work Shirts, Outer Sport Shirts, Work Coats, Work Jackets, Children's Overalls, Dungarees, and Outer Shirts, and Little Girls', Girls' and Ladies' Dungarees and Jeans. Sicecloff Manufacturing Company, Inc., Lexington, N. C.
Filed Aug. 22, 1949, Serial No. 583,824. Published Jan. 23, 1951. Class 39.

541,076. Fishing Leaders. "Joni" Johnson Leaders, June Lake, Calif.
Filed Aug. 24, 1949, Serial No. 583,935. Published Jan. 9, 1951. Class 22.

541,077. Canned Vegetables. The Somerset Canning Corporation, Somerset, Pa.
Filed Aug. 25, 1949, Serial No. 584,019. Published Oct. 17, 1950. Class 46.

541,078. Sales Promotional Publications Published From Time to Time. Westinghouse Electric Corporation, Pittsburgh, Pa., and Mansfield, Ohio.
Filed Aug. 31, 1949, Serial No. 584,305. Published Jan. 23, 1951. Class 38.

541,079. Women's Nylon Hosiery Made of Crepe Yarn. Harrison Hosiery Mills, Inc., Brighton, Mass.
Filed Sept. 3, 1949, Serial No. 584,451. Published Jan. 16, 1951. Class 39.

541,080. Compacts and Vanity Cases Made of Materials Other Than Precious Metal, Sold Empty. Aristocrat Leather Products, Inc., New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,601. Published Sept. 5, 1950. Class 2.

541,081. Ladies' Dresses of Cotton, Wool, Silk, Rayon, and Combinations Thereof. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Sept. 12, 1949, Serial No. 584,720. Published Jan. 23, 1951. Class 39.

541,082. Paint Products in the Form of Aluminum Paints; Aluminum Liquids; Etc. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Sept. 13, 1949, Serial No. 584,774. Published Jan. 16, 1951. Class 16.

541,083. Dresses, Play Suits, Slacks, Shorts, Jackets, Skirts, Pedal-Pushers and Jeans for Women, Misses, Juniors, and Teenage Girls. Clock-Wise Fashions, Dallas, Tex.
Filed Sept. 14, 1949, Serial No. 584,800. Published Jan. 30, 1951. Class 39.

541,084. Canned Foods—Namely, Vegetables, Vegetables for Salad, Tomato Juice, Grapefruit Juice, Fruit Cocktail, Fruits. National Retailer-Owned Grocers, Inc., Chicago, Ill.
Filed Sept. 14, 1949, Serial No. 584,827. Published Jan. 23, 1951. Class 46.

541,085. Shaving Cream, Skin Cream, Face Lotions, Hair Tonics. M. M. Fleron & Son Inc., doing business as Bercy's Laboratories, Trenton, N. J.
Filed Aug. 22, 1949, Serial No. 584,951. Published Oct. 31, 1950. Class 51.

541,086. Shoes of Leather or Fabric, or of a Combination Thereof, or of a Combination of One or Both of the Same With Rubber, for Use for Men, or Women, or Children. Dorset Mail Order Corporation, Brooklyn, N. Y.
Filed Sept. 21, 1949, Serial No. 585,109. Published Jan. 23, 1951. Class 39.

541,087. Structural Member Having a Surface Coated With a Resinous Plastic Material, Sold in the Form of Rods, Etc. Samuel Moore & Company, Mantua, Ohio.
Filed Sept. 21, 1949, Serial No. 585,135. Published Jan. 9, 1951. Class 1.

541,088. Gloves Made From Leather, Fabric, or a Combination Thereof. Comptoir de l'Industrie Cotonniere Société à Responsabilité Limitée, Paris, France.
Original filed, act of 1946, Supplemental Register, Sept. 29, 1949; amended to application, Principal Register, Dec. 1, 1950, Serial No. 585,513. Published Jan. 30, 1951. Class 39.

541,089. Yarn Made of Wool, Silk, Cotton, Rayon, and Linen. Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée, Paris, France.
Original filed, act of 1946, Supplemental Register, Sept. 29, 1949; amended to application, Principal Register, Oct. 24, 1950, Serial No. 585,514. Published Jan. 23, 1951. Class 43.

541,090. Power Transmissions. Speed Control Corporation, Wickliffe, Ohio.
Filed Sept. 30, 1949, Serial No. 585,609. Published Dec. 5, 1950. Class 23.

541,091. Periodical Publication in the Nature of a Magazine. The Prudential Insurance Company of America, Los Angeles, Calif.
Filed Oct. 3, 1949, Serial No. 585,722. Published Jan. 23, 1951. Class 38.

541,092. Dog and Cat Food. Daisy Pet Food Co., Hollywood, Calif.
Filed Oct. 10, 1949, Serial No. 586,048. Published Dec. 5, 1950. Class 46.

541,093. Toilet Soap. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed Oct. 12, 1949, Serial No. 586,140. Published Jan. 23, 1951. Class 52.

541,094. Firearms—Particularly Sporting Shot Guns and Rifles and Parts Thereof. Remington Arms Company, Inc., Bridgeport, Conn.
Filed Oct. 15, 1949, Serial No. 586,364. Published Dec. 19, 1950. Class 9.

541,095. Children's Outer and Under Shorts. Hansley Mills, Inc., Paris, Ky.
Filed Oct. 26, 1949, Serial No. 586,855. Published Jan. 30, 1951. Class 39.

541,096. Ceramic Dinnerware. Josiah Wedgwood & Sons Incorporated, New York, N. Y.
Filed Oct. 26, 1949, Serial No. 586,896. Published Dec. 19, 1950. Class 30.

541,097. Electrically Heated Refrigerator Defroster. Duane Vincent, doing business as National Steel and Tube Company, Detroit, Mich.
Filed Oct. 28, 1949, Serial No. 586,997. Published Jan. 9, 1951. Class 31.

541,098. Machines and Needles for Relooping Knitted Fabrics. Maskinfabriken Notam Aktieselskab, Copenhagen, Denmark.
Filed Nov. 9, 1949, Serial No. 587,558. Published Jan. 2, 1951. Class 23.

541,099. Periodical Publication. The S. H. Smith Co., Indianapolis, Ind.
Filed Nov. 9, 1949, Serial No. 587,566. Published Jan. 16, 1951. Class 38.

541,100. Gun Swivels. Philip Magid, Brooklyn, N. Y.
Filed Nov. 15, 1949, Serial No. 587,810. Published Dec. 19, 1950. Class 9.

541,101. CONSOLIDATED CERTIFICATE. Bemis Bro. Bag Company, St. Louis, Mo.
Cotton Fabrics in the Piece, Coated With Wax, Oil and Mildew-Proof Compounds. Filed Nov. 25, 1949, Serial No. 588,269. Published Aug. 1, 1950. Class 42.
Tents, Tarpaulins, and Waterproof Fabric Covers Used for Protecting Machinery and Various Articles. Filed Nov. 25, 1949, Serial No. 588,270. Published Jan. 16, 1951. Class 50.

541,102. Artificial Casting and Trolling Lure. Dow Plating Laboratories, Davison, Mich.
Filed Nov. 25, 1949, Serial No. 588,291. Published Dec. 19, 1950. Class 22.

541,103. Newspaper Comic Strip. Jerry Vincent Stier, Neptune City, N. J.
Filed Oct. 22, 1949, Serial No. 588,357. Published Jan. 30, 1951. Class 38.

541,104. Liniment, Bitter Herb Compound, Laxative Chewing Gum, Etc. Morton Manufacturing Corp., doing business as Blair of Virginia, Lynchburg, Va.
Filed Dec. 1, 1949, Serial No. 588,649. Published Jan. 23, 1951. Class 18.

541,105. Fresh Dates. J. F. Wise, Mecca, Calif.
Filed Dec. 5, 1949, Serial No. 588,819. Published Dec. 26, 1950. Class 46.

541,106. Floor, Laundry, and Skin Cleaning Compositions, Cleaning Compositions for Use on Composition, Concrete, Glass, Metal, Plastic, Porcelain, Tile, and Wooden Surfaces, and Sanitizing Cleaning Compositions. Sugar Beet Products Company, Inc., Saginaw, Mich.
Filed Dec. 6, 1949, Serial No. 588,908. Published Jan. 23, 1951. Class 52.

541,107. Skin Cleaning Compositions. Sugar Beet Products Company, Inc., Saginaw, Mich.
Filed Dec. 6, 1949, Serial No. 588,909. Published Jan. 23, 1951. Class 52.

541,108. Pony Ride Toy for Tots. Florence Krempler, Stapleton, N. Y.
Filed Dec. 8, 1949, Serial No. 589,026. Published Jan. 9, 1951. Class 22.

541,109. Glass Bottles. Anchor Hocking Glass Corporation, Lancaster, Ohio.
Filed Dec. 9, 1949, Serial No. 589,062. Published Dec. 19, 1950. Class 33.

541,110. Board Game Played With Movable Pieces. Milton Bradley Company, Springfield, Mass.
Filed Dec. 9, 1949, Serial No. 589,106. Published Jan. 9, 1951. Class 22.

541,111. Trees, Evergreens, and Shrubs. The Siebenthaler Company, Dayton, Ohio.
Filed Dec. 10, 1949, Serial No. 589,174. Published Jan. 16, 1951. Class 1.

541,112. Matches. The Diamond Match Company, New York, N. Y.
Filed Dec. 20, 1949, Serial No. 589,644. Published Jan. 30, 1951. Class 9.

541,113. Coal. Logan Fuel Company, Incorporated, Cincinnati, Ohio.
Filed Dec. 21, 1949, Serial No. 589,732. Published Jan. 16, 1951. Class 1.

541,114. Game Which Has an Electrically Vibrated Panel or Board on Which Are Mounted Toy Objects or Figures for Actuation by Said Panel or Board. George Kline, doing business as Mot-O-Run Company, New York, N. Y.
Filed Dec. 24, 1949, Serial No. 589,901. Published Jan. 9, 1951. Class 22.

541,115. Sport Jackets, Sport Suits, Slacks, Waistcoats, Overcoats, Topcoats and Suits for Men. Currick & Leiken Co., Inc., New York, N. Y.
Filed Nov. 26, 1949, Serial No. 589,936. Published Jan. 9, 1951. Class 39.

541,116. Men's and Boys' Trousers and Suits, Outer Shirts, and Football Pants. Southern Athletic Company, Inc., Knoxville, Tenn.
Filed Jan. 4, 1950, Serial No. 590,333. Published Jan. 16, 1951. Class 39.

541,117. Chinaware—Namely, Dinnerware, Tea Sets, After-Dinner Coffee Sets, Cups and Saucers, and After-Dinner Cups and Saucers. United China and Glass Company, New Orleans, La.
Filed Jan. 5, 1950, Serial No. 590,400. Published Dec. 19, 1950. Class 30.

541,118. Preserved Fish Eggs for Use as Fish Bait. Puget Sound Salmon Egg Co., Seattle, Wash.
Filed Jan. 13, 1950, Serial No. 590,835. Published Jan. 9, 1951. Class 22.

541,119. Lipstick, Face Powder, Solid Cologne and Brilliantine. Consolidated Cosmetics, Chicago, Ill.
Filed Jan. 18, 1950, Serial No. 591,020. Published Dec. 12, 1950. Class 51.

541,120. Roof Coating Paint. Abesto Manufacturing Corporation, Michigan City, Ind.
Filed Jan. 19, 1950, Serial No. 591,062. Published Jan. 2, 1951. Class 16.

541,121. Ladies' and Children's Washable Garments—Namely, Dresses. Sherman Wash Wear, Inc., Chicago, Ill.
Filed Jan. 19, 1950, Serial No. 591,109. Published Jan. 23, 1951. Class 39.

541,122. Anticoagulant Chemical, Phenylindanedione, for Use Where Anticoagulant Therapy Is Indicated, as in Thrombophlebitis and Thromboembolism. Charles E. Frosst & Co., Montreal, Quebec, Canada.
Filed Jan. 25, 1950, Serial No. 591,416. Published Jan. 9, 1951. Class 18.

541,123. Artificial Fish Lures. True Temper Corporation, Cleveland, Ohio.
Filed Jan. 25, 1950, Serial No. 591,443. Published Jan. 9, 1951. Class 22.

541,124. Artificial Fish Lures. True Temper Corporation, Cleveland, Ohio.
Filed Jan. 25, 1950, Serial No. 591,444. Published Jan. 9, 1951. Class 22.

541,125. Artificial Fish Lures. True Temper Corporation, Cleveland, Ohio.
Filed Jan. 25, 1950, Serial No. 591,445. Published Jan. 9, 1951. Class 22.

541,126. Children's Sleds. Standard Novelty Works, Duncannon, Pa.
Filed Jan. 26, 1950, Serial No. 591,521. Published Jan. 9, 1951. Class 22.

541,127. Carburators for Automobiles. Jose Domingo Lavin, Mexico City, Mexico.
Filed Jan. 31, 1950, Serial No. 591,740. Published Dec. 26, 1950. Class 23.

541,128. Face Powder and Bath Powder. Caron Corporation, New York, N. Y.
Filed Feb. 3, 1950, Serial No. 591,911. Published Dec. 5, 1950. Class 51.

541,129. Nuclear Acid Stimulator for Medicinal Purposes. Schering Corporation, Bloomfield, N. J.
Filed Feb. 6, 1950, Serial No. 592,052. Published Jan. 9, 1951. Class 18.

541,130. Double Barrel Sporting Shotguns, Single Barrel Sporting Shotguns, Repeating Sporting Shotguns, Automatic Sporting Shotguns, Pistols, and Component Parts Thereof. Ithaca Gun Company, Inc., Ithaca, N. Y.
Filed Feb. 9, 1950, Serial No. 592,207. Published Jan. 23, 1951. Class 9.

541,131. Model Airplane Kits. Comet Model Hobbycraft, Inc., Chicago, Ill.
Filed Feb. 13, 1950, Serial No. 592,359. Published Dec. 19, 1950. Class 22.

541,132. Ceramic Articles—Namely, Crockery, Chinaware, Earthenware and Porcelain Tableware, Bowls, and Vases. Raymond Brenner Inc., also trading as Raymond Brenner, Youngstown, Ohio.
Filed Feb. 14, 1950, Serial No. 592,417. Published Dec. 19, 1950. Class 30.

541,133. Glassware—Namely, Tableware, Stemware, Bowls, Vases, Pitchers, Perfume Bottles, Decanter Sets, Beverage Sets, Pepper and Salt Shakers, Cocktail and Liquor Sets, Serving Trays, Coasters, and Candy Jars. Raymond Brenner Inc., also trading as Raymond Brenner, Youngstown, Ohio.
Filed Feb. 14, 1950, Serial No. 592,418. Published Dec. 19, 1950. Class 33.

541,134. Medicinal Preparation in Capsule Form, Intended as a Dietary Supplement To Supply Vitamin and Mineral Deficiencies. Allied Drugs, Inc., Hackensack, N. J.
Filed Feb. 15, 1950, Serial No. 592,453. Published Jan. 9, 1951. Class 18.

541,135. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed Feb. 15, 1950, Serial No. 592,472. Published Jan. 30, 1951. Class 39.

541,136. Comics. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed Feb. 15, 1950, Serial No. 592,506. Published Jan. 23, 1951. Class 38.

541,137. Manually Operated Tool for Tightening Metal Binding Strips, for Cutting the Same and for Applying Metal Seals to Such Strips. Brainard Steel Company, Warren, Ohio.
Filed Feb. 16, 1950, Serial No. 592,542. Published Dec. 5, 1950. Class 23.

541,138. Periodical Publication, Designated as "The Sanitarian," and of Reprints Therefrom of Articles Published Therein. National Association of Sanitarians, Los Angeles, Calif.
Filed Feb. 6, 1950, Serial No. 592,681. Published Jan. 9, 1951. Class 38.

541,139. Man's Shirt Collar Supporting Device. Rosemary K. Kennedy, doing business as The Stifnek Co., Longmeadow, Mass.
Filed Feb. 21, 1950, Serial No. 592,816. Published Jan. 23, 1951. Class 40.

541,140. Bulk Cheeses. New Sonoma Creamery, San Francisco, Calif.
Filed Feb. 21, 1950, Serial No. 592,828. Published Jan. 2, 1951. Class 46.

541,141. Sudsing Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Feb. 23, 1950, Serial No. 592,934. Published Jan. 23, 1951. Class 52.

541,142. Panic Exit Devices—Namely, Mortise Lock Panic Exit Devices, Rim Type Panic Exit Devices, and Vertical Rod Panic Exit Devices. Vonnegut Hardware Company, Indianapolis, Ind.
Filed Feb. 23, 1950, Serial No. 592,958. Published Jan. 16, 1951. Class 25.

541,143. Hosiery for Women. B. Altman & Co., New York, N. Y.
Filed Feb. 24, 1950, Serial No. 592,969. Published Jan. 30, 1951. Class 39.

541,144. Pine Jelly Soap. William Cooper, Macopin, N. J.
Filed Feb. 25, 1950, Serial No. 593,056. Published Jan. 23, 1951. Class 52.

541,145. Corn Starch for Use in Salad Dressing and Bakery Products. Clinton Foods Inc., Clinton, Iowa.
Filed Feb. 27, 1950, Serial No. 593,107. Published Jan. 9, 1951. Class 46.

541,146. Dolls. American Character Doll Co., New York, N. Y.
Filed Feb. 28, 1950, Serial No. 593,154. Published Dec. 19, 1950. Class 22.

541,147. Comic Strip. New York Herald Tribune Inc., New York, N. Y.
Filed Mar. 2, 1950, Serial No. 593,282. Published Jan. 23, 1951. Class 38.

541,148. Automatic Coin Operated Body Massaging Vibrating Machine. Louis G. Coury, Passaic, N. J.
Filed Mar. 3, 1950, Serial No. 593,333. Published Jan. 9, 1951. Class 44.

541,149. Men's Sport Coats. Hilton Clothes, Inc., Linden, N. J.
Filed Mar. 3, 1950, Serial No. 593,352. Published Jan. 2, 1951. Class 39.

541,150. Concentrated Imitation Vanilla. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed Mar. 4, 1950, Serial No. 593,418. Published Jan. 16, 1951. Class 46.

541,151. Racks Designed To Be Affixed to the Wall or Door To Support and Hold Brooms, Brushes, Towels, and Other Household Items. Lilee Products, Inc., Chicago, Ill.
Filed Mar. 4, 1950, Serial No. 593,423. Published Jan. 30, 1951. Class 13.

541,152. Oil for Hair and Scalp. Claudia M. Farmer, doing business as Far-Mo Laboratories, Omaha, Nebr.
Filed Mar. 6, 1950, Serial No. 593,476. Published Dec. 5, 1950. Class 51.

541,153. Automotive Accessory Comprising a Crankcase Ventilator and Air Filter Member. Fanilator, Inc., Cambridge, Mass.
Filed Mar. 9, 1950, Serial No. 593,657. Published Jan. 23, 1951. Class 31.

541,154. Flat Wall Paint. M. A. Bruder & Sons, Incorporated, Philadelphia, Pa.
Filed Mar. 10, 1950, Serial No. 593,710. Published Jan. 2, 1951. Class 16.

541,155. Anti-Mycotic, Anti-Bacterial Preparations for Use in the Treatment of Fungal Infections. Eaton Laboratories Inc., Norwich, N. Y.
Filed Mar. 10, 1950, Serial No. 593,715. Published Jan. 9, 1951. Class 18.

541,156. Periodical Publication. Society for Visual Education, Inc., Chicago, Ill.
Filed Mar. 10, 1950, Serial No. 593,752. Published Jan. 16, 1951. Class 38.

541,157. Canned Vegetables, Canned Fruits, Canned Dog and Cat Food, Canned Orange Juice for Food Purposes, Canned Cranberry Sauce, Canned Tomato Paste, and Canned Tomato Juice. Santo Alioto & Sons, doing business under the name and style of Alto Products Co., Philadelphia, Pa.
Filed Mar. 11, 1950, Serial No. 593,767. Published Jan. 16, 1951. Class 46.

541,158. Ball Players' Pants, Shirts, and Uniforms. Strike Zone Uniforms Estate, Denver, Colo.
Filed Mar. 14, 1950, Serial No. 593,943. Published Jan. 2, 1951. Class 39.

541,159. Wool. Albany Felt Company, North Albany, N. Y.
Filed Mar. 18, 1950, Serial No. 594,185. Published Jan. 9, 1951. Class 1.

541,160. Coats, Vests, Trousers, and Knickerbockers, for Men, Youths, and Boys. J. Schoeneman, Inc., Baltimore, Md.
Filed Mar. 22, 1950, Serial No. 594,402. Published Jan. 23, 1951. Class 39.

541,161. Pigment Colors for Printing Inks. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,475. Published Jan. 30, 1951. Class 11.

541,162. Socks for Men, Women, Boys, and Girls. Wilmington Hosiery Mills, Inc., Wilmington, Del.
Filed Mar. 23, 1950, Serial No. 594,505. Published Jan. 30, 1951. Class 39.

541,163. Women's Nylon Stockings. Cardinal Hosiery Co., Inc., New York, N. Y.
Filed Mar. 24, 1950, Serial No. 594,518. Published Jan. 30, 1951. Class 39.

541,164. Infants' Hosiery. Dolly Hosiery Mills, Inc., Valdese, N. C.
Filed Mar. 24, 1950, Serial No. 594,527. Published Jan. 30, 1951. Class 39.

541,165. Canned and Bottled Roasted Peppers. The Mancini Packing Company, New Britain, Conn.
Filed Mar. 24, 1950, Serial No. 594,558. Published Jan. 16, 1951. Class 46.

541,166. Women's Hosiery. Our Store Brands, Inc., West Des Moines, Iowa.
Filed Mar. 24, 1950, Serial No. 594,572. Published Jan. 30, 1951. Class 39.

541,167. Newspaper Sunday Feature Section. Triangle Publications, Inc., Philadelphia, Pa.
Filed Mar. 25, 1950, Serial No. 594,674. Published Jan. 23, 1951. Class 38.

541,168. Rubber Belt To Be Worn Over Blouses and Shirts. Sidney Louis, doing business as Shrell Products, Chicago, Ill.
Filed Mar. 28, 1950, Serial No. 594,798. Published Jan. 23, 1951. Class 39.

541,169. Trade Paper Published Periodically. Thomas J. O'Kane, doing business as Kano Laboratories, Chicago, Ill.
Filed Apr. 1, 1950, Serial No. 595,085. Published Jan. 23, 1951. Class 38.

541,170. Outer Shirts, and Jackets for Men, Women, Boys, and Girls. Westmoor Manufacturing Co., Minneapolis, Minn.
Filed Apr. 1, 1950, Serial No. 595,112. Published Jan. 23, 1951. Class 39.

541,171. Sedative, Hypnotic, and Anticonvulsant Preparation Intended for Use in the Treatment of Certain Epileptic Manifestations. Abbott Laboratories, North Chicago, Ill.
Filed Apr. 6, 1950, Serial No. 595,294. Published Jan. 9, 1951. Class 18.

541,172. Medicinal Preparation—Namely, a Dressing Material to Stimulate Granulation and Healing in Ulcers and Superficial Injuries. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 7, 1950, Serial No. 595,400. Published Jan. 9, 1951. Class 18.

541,173. Washing Soda. E. J. Rutherford & Co., Philadelphia, Pa.
Filed Apr. 7, 1950, Serial No. 595,419. Published Jan. 23, 1951. Class 6.

541,174. Reducing Valves, Check Valves, Globe Valves, Angle Valves, and Steam Traps for Garment Pressing Apparatus. Goldman Pressing Machine Corp., Brooklyn, N. Y.
Filed Apr. 15, 1950, Serial No. 595,777. Published Jan. 30, 1951. Class 13.

541,175. Hair Rinsing Solution. King Research, Inc., Brooklyn, N. Y.
Filed Apr. 19, 1950, Serial No. 595,965. Published Dec. 26, 1950. Class 51.

541,176. Leather Receptacles Containing a Comb and Finger Nail File. E. J. Wilkins Company, Gloversville, N. Y., now by change of name, St. Thomas Inc., a corporation of New York.
Filed Apr. 21, 1950, Serial No. 596,138. Published Jan. 23, 1951. Class 40.

541,177. Eau de Cologne. Bourjois, Inc., New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,155. Published Dec. 26, 1950. Class 51.

541,178. Lipotropic and Dietary Supplements. Hoffmann-La Roche Inc., Nutley, N. J.
Filed Apr. 22, 1950, Serial No. 596,167. Published Jan. 30, 1951. Class 18.

541,179. Frozen Food Lockers. Planco Mfg. Co., Inc., Wichita, Kans.
Filed Apr. 27, 1950, Serial No. 596,439. Published Dec. 26, 1950. Class 31.

541,180. Nursery and Toilet Powder. Desitin Chemical Co., Providence, R. I.
Filed Apr. 28, 1950, Serial No. 596,486. Published Dec. 26, 1950. Class 51.

541,181. Women's Shoes. Craddock-Terry Shoe Corp., Lynchburg, Va.
Filed May 1, 1950, Serial No. 596,654. Published Jan. 23, 1951. Class 39.

541,182. Coats for Children and Misses. Young Idea Company, Pittsfield, Ill.
Filed May 1, 1950, Serial No. 596,696. Published Jan. 23, 1951. Class 39.

541,183. Infants' Hosiery. Dolly Hosiery Mills, Inc., Valdese, N. C.
Filed May 2, 1950, Serial No. 596,719. Published Jan. 30, 1951. Class 39.

541,184. Ladies' and Misses' Sport Dresses and Casual Dresses. Forest City Manufacturing Company, St. Louis, Mo.
Filed May 4, 1950, Serial No. 596,839. Published Jan. 23, 1951. Class 39.

541,185. Perfume, Cologne, Toilet Water, Toilet Lotions, Etc. B. Altman & Co., New York, N. Y.
Filed May 9, 1950, Serial No. 597,115. Published Dec. 26, 1950. Class 51.

541,186. Creme Hair Dressing. Gillette Safety Razor Company, Boston, Mass.
Filed May 9, 1950, Serial No. 597,146. Published Dec. 26, 1950. Class 51.

541,187. Filtering Leaf Devices in Liquid Filtering Equipment. Niagara Filter Corporation, Buffalo, N. Y.
Filed May 10, 1950, Serial No. 597,220. Published Dec. 26, 1950. Class 31.

541,188. Shoes for Men, Women, and Children, Made of Leather, Fabric, or Compositions or Combinations Thereof. Alfred Vamos, New York, N. Y.
Filed May 19, 1950, Serial No. 597,794. Published Jan. 23, 1951. Class 39.

541,189. Ladies' Suits and Vests, Skirts, Blouses, Jackets, and Coats. Jeunisse Fashions, Inc., New York, N. Y.
Filed May 20, 1950, Serial No. 597,830. Published Jan. 30, 1951. Class 39.

541,190. Rubber Soles and Heels. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind.
Filed May 23, 1950, Serial No. 597,969. Published Jan. 23, 1951. Class 39.

541,191. Buckles, Collar Holders, Cuff Buttons, and Cuff Links, Etc. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed May 24, 1950, Serial No. 598,016. Published Jan. 23, 1951. Class 40.

541,192. Knitting Wool and Knitting Yarn. William Hollins & Company Limited, Nottingham, England.
Filed July 11, 1950, Serial No. 600,486. Published Jan. 23, 1951. Class 43.

541,193. Ladies' Handbags. Coblentz Bag Company, Inc., New York, N. Y.
Filed July 21, 1950, Serial No. 601,024. Published Jan. 23, 1951. Class 3.

541,194. Livestock—Namely, Horses and Cattle. King Ranch, Kingsville, Tex.
Filed Nov. 8, 1950, Serial No. 605,703. Published Dec. 26, 1950. Class 1.

Service Marks

541,195. Weight Reducing Treatment Conducted by Manipulating the Passive Body of the Patient. Etc. Bernard H. Stauffer, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,727. Published Jan. 23, 1951. Class 100.

541,196. Life, Casualty, and Property Insurance. Aetna Life Insurance Company, Hartford, Conn., assignee of the Aetna Casualty and Surety Company.
Filed Aug. 1, 1947, Serial No. 530,144. Published Jan. 23, 1951. Class 102.

541,197. Transportation by Motor Bus of Passengers, Mail, Express, and Newspapers. The Greyhound Corporation, Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,196. Published Jan. 16, 1951. Class 105.

541,198. Transportation by Motor Bus of Passengers, Mail, Express, and Newspapers. The Greyhound Corporation, Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,197. Published Jan. 16, 1951. Class 105.

541,199. Transportation by Motor Bus of Passengers, Mail, Express, and Newspapers. The Greyhound Corporation, Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,198. Published Jan. 16, 1951. Class 105.

541,200. Restaurant Services. Hubbard House, Inc., Washington, D. C., and Bethesda, Md.
Filed Dec. 2, 1947, Serial No. 542,948. Published Jan. 23, 1951. Class 100.

541,201. Restaurant, Soda Fountain, and Pharmaceutical Prescription Services. Walgreen Co., Chicago, Ill.
Filed Dec. 12, 1947, Serial No. 544,229. Published Jan. 23, 1951. Class 100.

541,202. Freight Transportation by Highway, Etc. Bigge Drayage Co., Oakland, Calif.
Filed Jan. 3, 1948, Serial No. 546,087. Published Jan. 23, 1951. Class 105.

541,203. Underwriting of Life and Endowment Insurance, Etc. Pacific Mutual Life Insurance Company, Los Angeles, Calif.
Filed Aug. 30, 1948, Serial No. 564,398. Published Jan. 23, 1951. Class 102.

541,204. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa.
Filed Sept. 30, 1948, Serial No. 566,200. Published Jan. 23, 1951. Class 104.

541,205. Processing and Finishing Fabrics for Crease-Resistance and Shrinkage Control, and for Dyeing Fabrics. Delaware Dyeing & Finishing Co., Inc., Easton, Pa.
Filed Oct. 17, 1949, Serial No. 586,401. Published Jan. 23, 1951. Class 106.

541,206. Underwriting of Life Insurance. Provident Life Insurance Company, Bismarck, N. Dak.
Filed June 6, 1949, Serial No. 587,986. Published Jan. 23, 1951. Class 102.

Collective Mark

541,207. Toys and Playthings—Namely, Aerial Toys, Balls and Balloons, Etc. Toy Manufacturers of the U. S. A., Inc., New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,542. Published Apr. 11, 1950. Class 22.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

541,208. (Class 39. Clothing.) I. B. Kleinert Rubber Company, New York, N. Y. Original filed, act of 1905, Jan. 10, 1947; amended to application under act of 1946, Supplemental Register, Mar. 10, 1948, Serial No. 515,568.

STURDI-LITE

For Baby Pants Made With Plastic Film Material.
Claims use since March 1945.

541,209. (Class 37. Paper and Stationery.) William W. Carter, doing business as Standard Safety Service, Kansas City, Mo. Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Supplemental Register, Dec. 2, 1950, Serial No. 516,006.



The drawing is lined for shading.
For Blank Forms for Bookkeeping.
Claims use since Jan. 15, 1947.

541,210. (Class 29. Brooms, Brushes, and Dusters.) Modglin Company, Inc., Los Angeles, Calif. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Supplemental Register, Dec. 7, 1949, Serial No. 523,878.

WHISK-OFF

For Whisk Brooms.
Claims use since Apr. 26, 1947.

541,211. (Class 51. Cosmetics and Toilet Preparations.) Richard Hudnut, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 23, 1947; amended to application, Supplemental Register, Apr. 12, 1950, Serial No. 532,222.

BLUSH TAN

For Cake Makeup.
Claims use since July 25, 1947.

541,212. (Class 26. Measuring and Scientific Appliances.) Craftsmen's Guild, Hollywood, Calif. Original filed, act of 1946, Principal Register, Aug. 25, 1947; amended to application, Supplemental Register, July 7, 1950, Serial No. 532,277.



For Viewers for Holding Photographic Slides To Facilitate Viewing Thereof.
Claims use since January 1947.

541,213. (Class 26. Measuring and Scientific Appliances.) Liquidepth Indicators Incorporated, Long Island City, N. Y. Original filed, act of 1946, Principal register, Sept. 18, 1947; amended to application, Supplemental Register, Nov. 1, 1949, Serial No. 534,903.



The drawing is lined for shading only.
For Dial, Magnetic Guages for Indicating the Liquid Level of Drip Tank Trucks Under Pressure and Vacuum.
Claims use since Oct. 31, 1946.

541,214. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) M. E. Cunningham Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Oct. 1, 1947; amended to application, Supplemental Register, June 6, 1950, Serial No. 536,353.

NU-GRIP

For Tools Which in Service Are Struck by Hammers—Namely, Cold Chisels, and Hand Dies for Stamping Metal.
Claims use since Nov. 1, 1946.

541,215. (Class 37. Paper and Stationery.) Powers Paper Co., Springfield, Mass. Original filed, act of 1946, Principal Register, Oct. 13, 1947; amended to application, Supplemental Register, Apr. 19, 1950, Serial No. 537,728.

HY GRADE

Applicant claims ownership of Registration No. 155,175.
For Boxed Writing Paper, Writing Tablets, Correspondence Envelopes, and Pound Papers.
Claims use since December 1913.

541,216. (Class 39. Clothing.) J. Schoeneman, Inc., Baltimore, Md. Original filed, act of 1946, Principal Register, Oct. 20, 1947; amended to application, Supplemental Register, Aug. 12, 1949, Serial No. 538,455.

Very Cooly Yours

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Apr. 26, 1946.

541,217. (Class 50. Merchandise Not Otherwise Classified.) Pretty Products, Inc., Coshocton, Ohio. Original filed, act of 1946, Principal Register, Nov. 15, 1947; amended to application, Supplemental Register, Aug. 17, 1950, Serial No. 541,338.

Prettymare

For Bath Mats Made Wholly or in Part of Rubber or Rubber Composition.
Claims use since May 6, 1946.

541,218. (Class 46. Foods and Ingredients of Foods.) Pratt Food Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Nov. 20, 1948, Serial No. 541,962.



Applicant claims ownership of Registrations Nos. 394,014 and 426,881.
For Prepared Foods for Horses, Cows, Sheep, Dogs, Goats, Rabbits, and Mice and Which Foods Are Composed Largely of Mixtures of Corn, Wheat, and Oat Meals and Grains, Bran, Middlings, Meat and Fish Meals, Soybean Oil Meal, Alfalfa Meal, and Appropriate Lesser Amounts of Vitaminic and Mineral Supplements.
Claims use since June 1886.

541,219. (Class 46. Foods and Ingredients of Foods.) Pratt-Low Preserving Company, Santa Clara, Calif. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, Aug. 15, 1949, Serial No. 546,790.

SANTA CLARA

For Canned Vegetables.
Claims use since June 28, 1909.

541,220. (Class 21. Electrical Apparatus, Machines, and Supplies.) Rohden Manufacturing Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 5, 1948; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 548,848.



For Circuit Breakers.
Claims use since Nov. 12, 1947.

541,221. (Class 7. Cordage.) Wright Sales Company, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Mar. 26, 1948; amended to application, Supplemental Register, Feb. 2, 1951, Serial No. 553,163.

WORK-WRIGHT

For Venetian Blind Cord.
Claims use since Dec. 12, 1947.

541,222. (Class 37. Paper and Stationery.) David Kahn, Inc., North Bergen, N. J. Original filed, act of 1946, Principal Register, Apr. 19, 1948; amended to application, Supplemental Register, Sept. 22, 1949, Serial No. 554,981.

"TILTLOCK"

For Fountain Pens.
Claims use since Mar. 23, 1948.

541,223. (Class 16. Paints and Painters' Materials.) The Paraffine Companies, Inc., San Francisco, Calif., now by change of name, Pabco Products Inc., a corporation of Delaware. Original filed, act of 1946, Principal Register, May 28, 1948; amended to application, Supplemental Register, Dec. 16, 1949. Serial No. 558,059.

MULTI-SERVICE

For Paint for Use on Building Exteriors and Inside White Paint.
Claims use since January 1928.

541,224. (Class 21. Electrical Apparatus, Machines, and Supplies.) Amplifier Corp. of America, New York, N. Y. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, Feb. 8, 1951, Serial No. 558,770.

TWIN-TRAX

For Magnetic Tape Recording and Reproducing Apparatus and Parts Thereof.
Claims use since May 27, 1948.

541,225. (Class 39 Clothing.) John Halliday & Son Limited, Dublin and Dundalk, Ireland. Original filed, act of 1946, Principal Register, July 20, 1948; amended to application, Supplemental Register, Mar. 30, 1950. Serial No. 561,746.

Hallidays

For Leather Shoes for Use in Playing Games on the Ground, for Instance, Soccer Football.
Claims use since 1939 and use in commerce which may lawfully be regulated by Congress, viz., commerce between the United States and Ireland on July 29, 1947.

541,226. (Class 51. Cosmetics and Toilet Preparations.) Essential Cosmetics Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 7, 1948; amended to application, Supplemental Register, Jan. 27, 1950, Serial No. 564,773.

Skin Kare

For Cosmetic Preparations—Namely, Cold Cream, Liquid Cream, Oil, Emulsion and Lotion.
Claims use since Aug. 24, 1948.

541,227. (Class 40. Fancy Goods, Furnishings, and Notions.) Embrusa, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, May 4, 1950, Serial No. 565,915.

PETIT-PICOT

For Millinery Braids.
Claims use since July 1, 1948.

541,228. (Class 39. Clothing.) D. A. Schulte, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 16, 1948; amended to application, Supplemental Register, Feb. 16, 1951, Serial No. 567,095.

MidWinters

For Underwear for Men and Boys.
Claims use since Sept. 30, 1948.

541,229. (Class 26. Measuring and Scientific Appliances.) Peerless Photo Products, Inc., Shoreham, N. Y. Original filed, act of 1946, Principal Register, Nov. 18, 1948; amended to application, Supplemental Register, June 26, 1950, Serial No. 569,010.

TRU-GRAF

For Sensitized Photographic Scientific Recording Papers for Use in Seismographic Cameras, Cardiograph Instruments, Oscillographs, and the Like.
Claims use since July 1948.

541,230. (Class 26. Measuring and Scientific Appliances.) Sawyer's Inc., Portland, Oreg. Original filed, act of 1946, Principal Register, Nov. 23, 1948; amended to application, Supplemental Register, Apr. 6, 1950, Serial No. 569,304.

STEREO-STORIES

For Stereoscopic Slides.
Claims use since Oct. 15, 1948.

541,231. (Class 51. Cosmetics and Toilet Preparations.) Consolidated Royal Chemical Corporation, Chicago, Ill., assignee of Lee Pharmacal Co. Original filed, act of 1946, Principal Register, Dec. 18, 1948; amended to application, Supplemental Register, Jan. 23, 1950, Serial No. 570,782.

SPRAY-A-WAVE

For Preparation for Waving the Hair.
Claims use since Oct. 21, 1948.

541,232. (Class 21. Electrical Apparatus, Machines, and Supplies.) Federal Storage Battery Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 20, 1948; amended to application, Supplemental Register, Dec. 11, 1950, Serial No. 570,843.

Fulcharge

For Storage Batteries and Maintenance and Display Stands for the Same, and Storage Battery Chargers.
Claims use since July 16, 1948.

541,233. (Class 2. Receptacles.) Standard Folding Trays Corp., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Jan. 14, 1949; amended to application, Supplemental Register, Jan. 12, 1951, Serial No. 572,217.

Tripl-Tite

Applicant claims ownership of Registration No. 414,081.
For Folding Cardboard Boxes.
Claims use since Mar. 15, 1944.

541,234. (Class 26. Measuring and Scientific Appliances.) Heat Timer Corporation, New York, N. Y. Filed Feb. 5, 1949, Serial No. 573,369.

HEAT TIMER CORP.

For Thermostatic Controlled Valves and Parts Thereof for Heating Apparatus.
Claims use since Dec. 1, 1947.

541,235. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Washington Iron Works, Seattle, Wash. Original filed, act of 1946, Principal Register, Feb. 15, 1949; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 573,906.

TRAKMOUNT

Applicant claims ownership of Registration No. 430,581.
For Mobile Crane Carried Either by Wheeled Vehicle or Crawler-Type Tractor.
Claims use since Feb. 10, 1949.

541,236. (Class 16. Paints and Painters' Materials.) Hastings & Co., Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, June 25, 1949; amended to application, Supplemental Register, Mar. 24, 1950, Serial No. 581,066.



The drawing is lined for silver.
For Metallic Paint.
Claims use since Mar. 9, 1948.

541,237. (Class 21. Electrical Apparatus, Machines, and Supplies.) Benjamin Electric Manufacturing Company, Des Plaines, Ill. Original filed, act of 1946, Principal Register, July 13, 1949; amended to application, Supplemental Register, Nov. 30, 1950, Serial No. 581,856.

SPRINGLOX

For Fluorescent Lamp Holders for Reflectors.
Claims use since November 1946.

541,238. (Class 21. Electrical Apparatus, Machines, and Supplies.) Benjamin Electric Manufacturing Company, Des Plaines, Ill. Original filed, act of 1946, Principal Register, July 13, 1949; amended to application, Supplemental Register, Nov. 30, 1950, Serial No. 581,857.

LOK-LATCH

For Reflector Fasteners for Fluorescent Lighting Units.
Claims use since November 1946.

541,239. (Class 26. Measuring and Scientific Appliances.) Detroit Lubricator Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Aug. 31, 1949; amended to application, Supplemental Register, Nov. 30, 1950, Serial No. 584,270.

BI-FLEX

For Electro-Thermally Operated Valves and Parts Thereof.
Claims use since June 1, 1949.

541,240. (Class 39. Clothing.) The Davidson Brothers Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 7, 1949; amended to application, Supplemental Register, Oct. 12, 1950, Serial No. 584,531.

Snip-off

For Ladies' and Misses' Slips and Nightgowns.
Claims use since July 15, 1947.

541,241. (Class 39. Clothing.) The H. E. Frisch Knitting Mills Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Sept. 13, 1949; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 584,759.

THE BELGIUM SHAWL

For Shawls for Babies.
Claims use since Aug. 24, 1949.

541,242. (Class 27. Horological Instruments.) Cronow Watch Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 4, 1949; amended to application, Supplemental Register, Feb. 20, 1951, Serial No. 587,320.

YALE
TUFFY

For Watches.
Claims use since June 1, 1949.

541,243. (Class 21. Electrical Apparatus, Machines, and Supplies.) David Fingerhut, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 19, 1949; amended to application, Supplemental Register, Feb. 15, 1951, Serial No. 588,085.

FLAME
GLOW

For Portable Electric Lamps of Colored Crystal.
Claims use since July 29, 1949.

541,244. (Class 21. Electrical Apparatus, Machines, and Supplies.) Phelps Dodge Copper Products Corporation, Dover, Del., and New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 25, 1949; amended to application, Supplemental Register, Feb. 2, 1951, Serial No. 588,322.

SODEREZE

For Magnet Wire, Bare and Insulated.
Claims use since July 1, 1948.

541,245. (Class 40. Fancy Goods, Furnishings, and Notions.) Hugh H. Wilson Company, Inc., New York, N. Y., assignor to Wilson Products Incorporated, New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, Dec. 8, 1949; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 589,057.

WIL-HOLD

For Hair and Bob Pins.
Claims use since May 1949.

541,246. (Class 39. Clothing.) Carolina Garment Company, High Point, N. C. Original filed, act of 1946, Principal Register, Dec. 23, 1949; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 589,828.



For Ladies' Blue Jeans and Men's and Boys' Dungarees and Overalls.
Claims use since Sept. 15, 1949.

541,247. (Class 39. Clothing.) Train-Ellis, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 6, 1950; amended to application, Supplemental Register, Feb. 5, 1951, Serial No. 590,467.

HIDE-A-BRA

For Lingerie—Namely, Slips, Camisoles, and Chemises.
Claims use since Dec. 20, 1949.

541,248. (Class 37. Paper and Stationery.) Walter J. Wunderlich, Nehawka, Nebr. Original filed, act of 1946, Principal Register, Jan. 6, 1950; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 590,476.

WAAS
WONDER AUCTION SALES SYSTEM

For Sales Tickets Book.
Claims use since Aug. 10, 1949.

541,249. (Class 39. Clothing.) Chevette, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 23, 1950; amended to application, Supplemental Register, Jan. 31, 1951, Serial No. 592,874.

Reverso

The drawing is lined for shading purposes.
For Petticoats.
Claims use since Jan. 10, 1950.

541,250. (Class 12. Construction Materials.) Winter-Seal Corporation, Detroit, Mich. Original filed, act of 1946, Principal Register, Mar. 3, 1950; amended to application, Supplemental Register, Nov. 17, 1950, Serial No. 593,387.

"Winter-Seal"

For Windows, Doors and Screens, Combination Storm Windows and Doors Convertible to Screen Doors and Window Screens.
Claims use since Oct. 27, 1945.

541,251. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Henry Meyers, doing business under the name of The Henry Company, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 10, 1950; amended to application, Supplemental Register, Jan. 30, 1951, Serial No. 593,738.

FASHION-RIGHT

For Ladies' Handbags of Leather, Fabric, and Combinations Thereof.
Claims use since Jan. 3, 1950.

541,252. (Class 39. Clothing.) Saul Oliner, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 11, 1950; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 593,814.

SLIPON SHAPE
REINFORCED

For Hair Nets.
Claims use since Nov. 29, 1949.

541,253. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Chris Wyss, Tillamook, Oreg. Original filed, act of 1946, Principal Register, May 22, 1950; amended to application, Supplemental Register, Jan. 27, 1951, Serial No. 597,930.

WYSS

For Pipe Couplers for Use in Irrigation Pipe Lines.
Claims use since Jan. 10, 1947.

541,254. (Class 37. Paper and Stationery.) Francis H. Leggett & Company, New York, N. Y. Filed May 24, 1950, Serial No. 598,023.

Leggett's

For Toilet Tissue and Paper Towels.
Claims use since Apr. 1, 1949.

Service Marks

541,255. (Class 100. Miscellaneous.) The American Thread Company, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 2, 1948; amended to application, Supplemental Register, Sept. 7, 1950, Serial No. 553,663.

SEAM ENGINEERING

For Services Rendered to Garment Manufacturers Recommending After Scientific Tests and Analysis the Proper Thread Size, Thread Quality, Stitches Per Inch, and Thread Combinations To Be Used in Sewing the Particular Garments Submitted by the Manufacturers.
Claims use since Feb. 27, 1948.

541,256. (Class 103. Construction and Repair.) Francis Clark, Waterbury, Conn. Filed Sept. 7, 1949, Serial No. 584,525.

For Lighting Services With Respect to Planning, Installing, and Maintaining Incandescent and Fluorescent Lights.
Claims use since May 7, 1946.

TRADE-MARK REGISTRATIONS RENEWED

35,786. "KEYSTONE" AND DESIGN. Registered Jan. 15, 1901. Belmont Stable Supply Company, New York, N. Y. Re-renewed Jan. 15, 1951, to Belmont Salt Brick Company, Inc., Le Roy, N. Y., a corporation of New York. Block Salt. Class 46.

36,560. MONAD. Registered June 11, 1901. Colgate & Co., New York, N. Y. Re-renewed June 11, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Soaps and Perfumes. Class 51.

80,627. BULL'S EYE. Registered Jan. 10, 1911. The Western Clock Mfg. Co., Peru, Ill. Re-renewed Jan. 10, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

80,954. "DIANA" AND DRAWING. Registered Feb. 14, 1911. George Rowney & Co. Re-renewed Feb. 14, 1951, to George Rowney & Co. Ltd., London, England, a corporation organized under the laws of Great Britain. Tracing-Paper, Tracing-Cloth, Etc. Class 37.

80,968. "APG CO" AND DESIGN. Registered Feb. 21, 1911. The American Paper Goods Company, Kensington, Conn., a corporation of New Jersey. Re-renewed Feb. 21, 1951. Paper in Rolls, Sheets, and Blanks, Folded or Unfolded, Etc. Class 37.

81,191. COOK'S. Registered Mar. 14, 1911. Albany Lubricating Co., New York, N. Y. Re-renewed Mar. 14, 1951, to Adam Cook's Sons, Inc., Linden, N. J., a corporation of New Jersey. Solidified-Mineral-Oil Lubricant for Machinery. Class 15.

81,313. "ZANOL". Registered Mar. 21, 1911. Universal Import Co. Re-renewed Mar. 21, 1951, to Royal Home Products, Incorporated, Cincinnati, Ohio, a corporation of Virginia. Flavoring Extracts and Artificial Flavoring Extracts. Class 46.

81,635. "ROBIN BRAND" AND DRAWING. Registered Apr. 25, 1911. The Scudders-Gale Grocer Co., St. Louis, Mo., a corporation of Missouri. Re-renewed Apr. 25, 1951. Canned Apples, Blackberries, Cherries, Gooseberries, Pineapple, Raspberries, Etc. Class 46.

81,845. ZENITH. Registered May 16, 1911. François Baverey, Oullins, France. Re-renewed May 16, 1951, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware. Carbureters. Class 23.

82,093. PENETRONE. Registered May 30, 1911. H. Kohnstamm & Co., New York and Brooklyn, N. Y., Pavonia and Fish House, N. J. Re-renewed May 30, 1951, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York. Wheat Starch and Corn Starch. Class 46.

82,141. LADY ELGIN. Registered June 6, 1911. Elgin National Watch Company, Elgin and Chicago, Ill. Re-renewed June 6, 1951, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Watch-Movements. Class 27.

276,150. "THE ARISTOCRAT" AND DRAWING. Registered Oct. 7, 1930. The Saegertown Mineral Water Company. Renewed Oct. 7, 1950, to Saegertown Sparkling Beverages, Inc., Saegertown, Pa., a corporation of Pennsylvania. Ginger Ale and Nonalcoholic Maltless, Carbonated Drinks. Class 45.

276,783. "WESTINGHOUSE" ETC. AND DESIGN. Registered Oct. 28, 1930. Westinghouse Electric Supply Company, New York, N. Y., a corporation of Delaware. Renewed Oct. 28, 1950. Friction tape. Class 5.

277,581. SILVER-SEAL. Registered Nov. 18, 1930. The Asphalt Products Co., Inc., Syracuse, N. Y. Renewed Nov. 18, 1950, to Earle F. Armstrong, Boston, Mass. Aluminum Paint. Class 16.

277,807. DURATWIST. Registered Nov. 25, 1930. Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 25, 1950. Hosiery. Class 39.

278,991. PEEL-KILL. Registered Jan. 6, 1931. The Marietta Paint & Color Company, Marietta, Ohio. Renewed Jan. 6, 1951, to American-Marietta Company, Chicago, Ill., a corporation of Illinois. Specially-Prepared Oil To Be Used in Place of the Usual Mixture of Linseed and Turpentine Which Is Added to the First Coat of Paint for Priming Wood Surfaces. Class 16.

279,146. McKESSON & ROBBINS. Registered Jan. 6, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Jan. 6, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Absorbents, Alteratives, Analgesics, Anaphrodisiacs, Etc. Class 51.

279,232. JINGLE STARS. Registered Jan. 13, 1931. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Jan. 13, 1951. Candy. Class 46.

279,234. GOLD RIM. Registered Jan. 13, 1931. Gulf Vegetable and Fruit Company, Inc., Weslaco, Tex., a corporation of Texas. Renewed Jan. 13, 1951. Fresh Vegetables—Namely, Tomatoes, Corn, Spinach, Carrots, Turnips, Beets, Etc. Class 46.

279,247. A G A. Registered Jan. 13, 1931. American Gas Accumulator Company, Elizabeth, N. J., a corporation of New Jersey. Renewed Jan. 13, 1951. Luminous and Nonluminous Traffic Signs. Class 50.

279,351. KESAL. Registered Jan. 13, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Jan. 13, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Effervescent Laxative Salts. Class 18.

279,361. "SCHRAFFT'S" AND DESIGN. Registered Jan. 13, 1931. W. F. Schrafft & Sons Corporation, Charlestown and Boston, Mass. Renewed Jan. 13, 1951, to Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts. Chocolate Candy. Class 46.

279,382. ARTCOTE. Registered Jan. 13, 1931. Artcote Papers, Inc., New York, N. Y., and Irvington, N. J. Renewed Jan. 13, 1951, to Artcote Papers, Inc., Irvington, N. J., a corporation of New Jersey. Coated Glazed, Lacquered, Sized, Embossed, Processed, Treated, and Gold and Silver Papers Used for Cover Paper, Etc. Class 37.

279,406. BETTER ENAMELING. Registered Jan. 13, 1931. Chicago Vitreous Enamel Product Company, Cicero, Ill., a corporation of Illinois. Renewed Jan. 13, 1951. Monthly Publications. Class 38.

279,430. "GARRICK CLOTHES" AND DRAWING LINED FOR BLACK. Registered Jan. 13, 1931. Dickinson Clothes, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 13, 1951. Men's Suits, Overcoats, and Topcoats. Class 39.

279,467. "DEAREST" AND DESIGN. Registered Jan. 13, 1931. Heath's Bead Shop, Inc. Renewed Jan. 13, 1951, to Colin Heath, doing business as "Heath's Gift Shop," St. Petersburg, Fla. Bead Necklaces and Strings of Beads for Personal Adornment. Class 28.

279,512. "AIR-LINE SPECIAL" ETC. AND DRAWING. Registered Jan. 20, 1931. The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois. Renewed Jan. 20, 1951. Work Gloves Made of Fabric. Class 39.

279,548. CHICKEN DINNER. Registered Jan. 20, 1931. Boonville Mills Company. Renewed Jan. 20, 1951, to Boonville Mill and Grain Company, Boonville, Mo., a corporation of Missouri. Poultry Feeds. Class 46.

280,073. REPRESENTATION OF INDIAN HEAD WITHIN CIRCLE. Registered Feb. 10, 1931. The Carborundum Company. Renewed Feb. 10, 1951, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Certain Abrasive Articles and Compounds Comprising Prepared Abrasive Grains and Powders; Etc. Class 4.

280,112. "UNICLAMP". Registered Feb. 10, 1931. Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 10, 1951. Forged-Steel Pipe Fittings. Class 13.

280,212. GENYKAGE. Registered Feb. 10, 1931. Hygienic Wire Works Ltd., London, England. Renewed Feb. 10, 1951, to Hygienic Wire Works, Ltd., Mitcham, England, a corporation organized under the laws of Great Britain and Northern Ireland. Bird Cages of Ordinary Metal. Class 2.

280,215. TRICOLATOR. Registered Feb. 10, 1931. Tricolator Company, Inc. Renewed Feb. 10, 1951, to Tricolator Company, Inc., New York, N. Y., a corporation of New York. Coffee Infusers. Class 13.

280,280. "PEERLESS RICE" AND DRAWING LINED FOR RED AND BLUE. Registered Feb. 10, 1931. Fred L. Waldron, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Renewed Feb. 10, 1951. Rice. Class 46.

280,282. "FRANKLIN" ETC. AND DRAWING. Registered Feb. 10, 1931. M & R Dietetic Laboratories, Inc., Columbus, Ohio, a corporation of Ohio. Renewed Feb. 10, 1951. Powdered Skimmed Milk and Powdered Whole Milk. Class 46.

280,509. KENT. Registered Feb. 17, 1931. Kent Brush Sales Corporation, New York, N. Y. Renewed Feb. 17, 1951, to G. B. Kent & Sons Limited, London, England, a corporation organized under the laws of Great Britain. Tooth-Brushes, Hairbrushes, Hand Brushes, Etc. Class 29.

280,639. "VOGT'S" AND DRAWING LINED FOR LIGHT AND DARK BLUE. Registered Feb. 24, 1931. F. G. Vogt & Sons, Incorporated. Renewed Feb. 24, 1951, to Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Meat Products—Namely, Bacon, Scrapple, Shoulders, Etc. Class 46.

280,731. SPEEDAGE. Registered Feb. 24, 1931. L. H. Gilmer Co., Philadelphia, Pa. Renewed Feb. 24, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Woven Belts. Class 35.

280,951. TRICOLATOR. Registered Mar. 3, 1931. Tricolator Company, Inc. Renewed Mar. 3, 1951, to Tricolator Company, Inc., New York, N. Y., a corporation of New York. Filter Papers Made of Fibrous Material. Class 31.

281,053. "CABLE STRENGTH" AND DRAWING LINED FOR RED. Registered Mar. 10, 1931. M. & B. Cohen Co. Renewed Mar. 10, 1951, to M. & B. Cohen Co., Inc., New York, N. Y., a corporation of New York. Men's, Youths', and Boys' Suits, Etc. Class 39.

281,151. DISPERSITE. Registered Mar. 10, 1931. Dispersions Process, Inc. Renewed Mar. 10, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Rubber Dispersed in a Water Medium. Class 1.

281,722. TECMANGAM. Registered Mar. 24, 1931. Tennessee Eastman Corporation, Kingsport, Tenn. Renewed Mar. 24, 1951, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Fertilizer. Class 10.

281,826. HEMARESTORS. Registered Mar. 31, 1931. Robert McNeil. Renewed Mar. 31, 1951, to McNeil Laboratories, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Nontoxic and Aseptic Medicated Cones Used To Stop and Prevent Bleeding After Extraction of Teeth. Class 18.

281,851. OKA. Registered Mar. 31, 1931. La Corporation de La Trappe de Notre-Dame-du-Lac-des Deux Montagnes, La Trappe, Quebec, Canada, a company organized under the laws of the Province of Quebec, Dominion of Canada. Renewed Mar. 31, 1951. Cheese. Class 46.

282,235. "AMCO" WITHIN DIAMOND DESIGN. Registered Apr. 14, 1931. The American Metal Company, Limited, New York, N. Y., a corporation of New York. Renewed Apr. 14, 1951. Metal Products—Namely, Copper in Cakes, Etc. Class 14.

282,244. "GAME QUALITY" AND DRAWING. Registered Apr. 14, 1931. Lawrence A. Kerr, Honolulu, Territory of Hawaii. Renewed Apr. 14, 1951, to Lawrence A. Kerr, Glendale, Calif. Work, Dress, Leather, Canvas and Sport Shoes for Men, Women, and Children; Etc. Class 39.

282,272. "ALBOR" AND DRAWING. Registered Apr. 14, 1931. Paaki Brothers, Philadelphia, Pa., a firm. Renewed Apr. 14, 1951. Catsup, Chicken à la King, Etc. Class 46.

282,325. NELVALE. Registered Apr. 21, 1931. James Nelson, Limited, Valley Mills, Nelson, Lancashire, England, a corporation of England. Renewed Apr. 21, 1951. Cotton Piece Goods and the Following Cotton Goods—Namely, Embroidery, Curtains, Etc. Class 42.

282,609. "OVER-THE-TOP". Registered Apr. 28, 1931. Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois. Renewed Apr. 28, 1951. Doors That Open Into an Overhead Position. Class 12.

282,927. REPRESENTATION OF DIAMOND SHAPED DESIGN. Registered May 5, 1931. Diamond Alkali Company, Pittsburgh, Pa. Renewed May 5, 1951, to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware. Sodium Bicarbonate. Class 6.

283,041. "AIR-WAY" ETC. AND DRAWING. Registered May 12, 1931. The Ohio Truss Company. Renewed May 12, 1951, to Surgical Appliance Industries Inc., Cincinnati, Ohio, a corporation of Ohio. Surgical and Abdominal Belts and Hip Reducers. Class 44.

283,049. V C. Registered May 12, 1931. The American Metal Company, Limited, New York, N. Y., a corporation of New York. Renewed May 12, 1951. Metal Products—Namely, Copper in Cakes, Bars, or Ingots. Class 14.

283,122. "ROXY" AND DESIGN. Registered May 19, 1931. The C. F. Streit Mfg. Co. Renewed May 19, 1951, to The C. F. Streit Mfg. Co., Cincinnati, Ohio, a firm. Household and Office Chairs and Rockers. Class 32.

283,131. "TROPICAL" ETC. AND DRAWING. Registered May 19, 1931. The Tropical Paint & Oil Company, Cleveland, Ohio, a corporation of Ohio. Renewed May 19, 1951. Roofing Cement for Roofs of All Types. Class 12.

283,662. GOOD MORNING! Registered June 2, 1931. Redlands-Highlands Fruit Exchange. Renewed June 2, 1951, to Redlands Heights Groves, Redlands, Calif., a corporation of California. Fresh Citrus Fruits. Class 46.

284,119. "COOK'S PRODUCTS" AND DESIGN. Registered June 16, 1931. Cook Paint and Varnish Company, North Kansas City, Mo. Renewed June 16, 1951, to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware. Paints in Ready-Mixed Form. Class 16.

284,246. "BOND BREAD" AND DRAWING LINED FOR RED. Registered June 23, 1931. General Baking Company, New York, N. Y., a corporation of New York. Renewed June 23, 1951. Bread. Class 46.

284,260. UNI-TWIST. Registered June 23, 1931. The Atwood Machine Company, Stonington, Conn. Renewed June 23, 1951, to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts. Rubber and Fabric Composition Belt. Class 35.

284,286. NI-HARD. Registered June 23, 1931. The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware. Renewed June 23, 1951. Nickel-Containing Iron Castings. Class 14.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

266,383. SKAPYOR. Registered Jan. 14, 1930. Societe Anonyme Laboratoires Eska, Paris, France. Preparation for the Treatment of Pyorrhea and Chronic Gingivitis. Class 18. Amended as follows: In the statement, column 2, lines 7 and 8, "Mock & Blum, whose postal address is 10 E. 40th St., New York, N. Y., are designated" is deleted and *Leon M. Strauss, whose postal address is 535 Fifth Avenue, New York 17, N. Y., Registration No. 14,649, is designated* is inserted in lieu thereof.

533,940. "KEN WHITMORE" AND DESIGN. Registered Nov. 28, 1950. Ken Whitmore, Inc., Pittsfield, Mass., and New York, N. Y. Ladies', Misses', and Junior Misses' Coats. Class 39. Corrected as follows: In the statement, lines 4 and 5, "230 West 39 Street, New York City, New York" should be *16 Oak St., Pittsfield, Mass.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 303,317. Registered May 23, 1933. National Aluminate Corporation, Chicago, Ill., a corporation of Delaware. Republished by registrant.

ALUGEL

For Chemicals Primarily Employed in the Preparation of Paper Sizing and Coating Compositions, Printing Inks, Paints, and as a Chemical Precipitant.
Claims use since Nov. 21, 1932.

Reg. No. 403,017. Registered Aug. 31, 1943. Chapman & Rodgers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The drawing is lined for red and blue.
For Insecticide.
Claims use since 1915.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 215,586. Registered July 20, 1926. Rundle Manufacturing Co., Milwaukee, Wis. Republished by Universal-Rundle Corporation, Newcastle, Pa., a corporation of Delaware.



The words "Service" and "Quality" are disclaimed apart from the mark as shown. The drawing is lined for black and gold.
For Sanitary Plumbing Enamel Ware, Bathtubs, Washbasins, Sitz Baths, Shower-Bath Receptors, Enameled Inside Tanks, Drinking Fountains, Lavatories, Kitchen Sinks, Factory Wash Sinks, Urinals, Slop Sinks, Sink Backs, and Enameled Laundry Tubs.
Claims use since Sept. 19, 1925.

Reg. No. 277,988. Registered Dec. 2, 1930. Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Chieftain

For Wire Fencing.
Claims use since July 15, 1930.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 397,778. Registered Sept. 22, 1942. Alfred Harvey, New York, N. Y. Republished by Eva Harvey, New York, N. Y.

Buddies

For Magazine Published Periodically
Claims use since Jan. 15, 1942.

CLASS 39

CLOTHING

Reg. No. 126,400. Registered Aug. 26, 1919. Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania. Republished by registrant.



The word "Hosiery" is disclaimed apart from the mark as shown.
For Hosiery, for Men, Women, and Children.
Claims use since Dec. 30, 1918.

Reg. No. 176,270. Registered Nov. 20, 1923. S. M. Elowsky & Co., Brooklyn, N. Y. Republished by Sporteens, Inc., New York, N. Y., a corporation of New York.

SPORTOGS

For Athletic Apparel—Namely, Middies, Knickers, Gymnasium and Hiking Suits.
Claims use since Jan. 9, 1923.

Reg. No. 278,225. Registered Dec. 9, 1930. Frederick Loeser & Co. Inc., Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The representation of the shoe is disclaimed apart from the mark as shown.
For Women's Leather and Fabric Shoes.
Claims use since Mar. 1, 1930.

Reg. No. 281,941. Registered Apr. 7, 1931. V. & F. W. Filoon Company, Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

FI-FLEX

For Inner Soles for Shoes.
Claims use since July 1930.

Reg. No. 311,622. Registered Mar. 27, 1934. Tabin-Picker & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Gloria

For Dresses, Frocks, and Uniforms for Nurses and Maids, Including Wash Dresses and Wash Frocks.
Claims use since Nov. 15, 1933.

Reg. No. 340,922. Registered Nov. 24, 1936. Occulta, Lyon, France. Republished by La Gaine Scandale, Lyon, France, a joint stock company organized under the laws of the Republic of France.

SCANDALE

For Corsets, Corselets, Brassières, Belts (for Wear), Corset Bodices, Girdles in the Nature of Corsets, Bust Bodices and Braces, Suspenders and Garters All for Wear.
Claims use since Apr. 20, 1933.

Reg. No. 345,720. Registered May 4, 1937. Tabin-Picker & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GIANA

For Women's Dresses.
Claims use since Oct. 1, 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 371,766. Registered Oct. 3, 1939. Tabin-Picker & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GEORGIANA

For Cotton and Spun Rayon Piece Goods.
Claims use since July 1, 1937.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 297,721. Registered Sept. 27, 1932. Société Anonyme des Bas "Occulta," Lyon, France. Republished by La Gaine Scandale, Lyon, France, a joint stock company organized under the laws of the Republic of France.

OCCULTA

For Corrective Devices—Namely, Orthopedical Girdles, Orthopedical Corsets, Orthopedical Belts and Stockings for Varicose Veins.
Claims use since Mar. 28, 1923.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 277,871. Registered Dec. 2, 1930. George J. Howe Company, Grove City, Pa., a corporation of Pennsylvania. Republished by registrant.

"Here's Howe"

The drawing is lined for blue. The surname "Howe" is disclaimed apart from the mark as shown.
For Coffee.
Claims use since on or about July 11, 1930.

Reg. No. 280,555. Registered Feb. 17, 1931. Miller-Richardson Co. Inc., Lowville, N. Y. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

LITTLE HERKIMER

The word "Herkimer" is disclaimed apart from the mark as shown.
For Cheese.
Claims use since Apr. 1, 1928.

Reg. No. 281,323. Registered Mar. 17, 1931. Kraft-Phenix Cheese Company, Chicago, Ill., now by change of name K-P-C Company, assignor to Kraft-Phenix Cheese Corporation. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

MAC LAREN'S
IMPERIAL

For Mayonnaise, Salad Dressing, and Relish Spread.
Claims use since June 1, 1922.

Reg. No. 288,333. Registered Oct. 27, 1931. Chicago Macaroni Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CYRILLA

For Macaroni.
Claims use since 1915.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 391,972. Registered Dec. 2, 1941. Al Rosenfeld, Inc., New York, N. Y. Republished by Smith Victory Corporation, Buffalo, N. Y., a corporation of Delaware.

BEAU CATCHER

For Perfume and Toilet Water.
Claims use since June 25, 1941.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 375,781. Registered Feb. 27, 1940. Chapman & Rodgers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

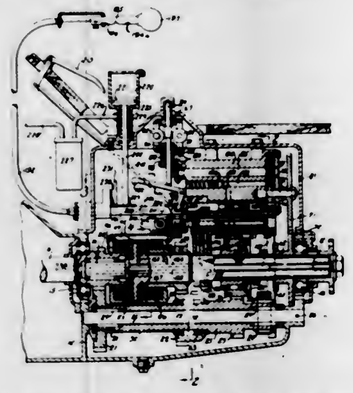
CRYST-O-KLEER

The word "Kleer" is disclaimed apart from the mark as shown.
For Window Cleaning Preparation.
Claims use since May 16, 1939.

REISSUES

APRIL 17, 1951

23,356
TRANSMISSION CONTROL
Robert B. Aspinwall, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Original No. 2,430,799, dated November 11, 1947, Serial No. 706,232, January 11, 1934. Application for reissue November 4, 1948, Serial No. 58,321
34 Claims. (Cl. 74—336.5)



1. In combination with a gear transmission incorporating driving and driven shafts and a plurality of fluid-operable members movable to change the effective driving ratio between said shafts, means for moving said members, comprising a fluid pump drivable by said driven shaft, a pilot valve *having a plurality of outlets* connected to the output of the pump to divert a portion of the output thereof in diverse directions, another valve [actuable] *having a plurality of outlets actuatable* in different directions, by fluid diverted by the first valve and arranged to direct output from the pump through selected outlets, said fluid-operable members being connected to different ones of said outlets of the second mentioned valve and being individually operable in response to delivery of fluid thereto when said valve is moved to different positions, means for controlling the movement of the first mentioned valve and operable in response to the working of the transmission, and means for controlling the operation of the second valve.

23,357
COLOR PHOTOGRAPHIC MATERIAL AND PROCESSES FOR PRODUCING SAME
Bela Gaspar, Beverly Hills, Calif.
No Drawing. Original No. 2,470,769, dated May 24, 1949, Serial No. 537,967, May 29, 1944. Application for reissue May 18, 1950, Serial No. 162,828. In Great Britain August 28, 1939
24 Claims. (Cl. 95—6)

20. A photographic material including a support and a coating on said support, said coating comprising a plurality of discrete portions, at least one of said discrete portions containing a light sensitive silver halide emulsion and at least one of said discrete portions containing a soluble non-diffusing high molecular weight dye which carries at least one solubilizing group and includes the following general structure

$$[-B(-Ar_1-N=N-)_a Ar_2-]_n$$

formed by a plurality of low molecular weight members

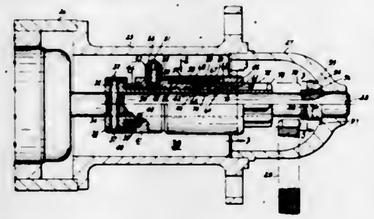
$$-B(-Ar_1-N=N-)_a Ar_2-$$

wherein Ar_1 and Ar_2 stand for a group comprising a radical selected from the class consisting of aromatic, heterocyclic and aliphatic radicals capable of carrying an azo group, B stands for a heteronuclear bond, "n" stands for an integer greater than one and "a" stands for an integer from one to four and the product of "a" and "n" is greater than two.

23,358
PROCESS FOR PRODUCING INCREASED REFRIGERATION
Winston Harrison Reed, Radford, Va., and William Alvin Pennington, Fayetteville, N. Y., assignors to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
No Drawing. Original No. 2,479,259, dated August 16, 1949, Serial No. 668,762, May 10, 1946. Application for reissue June 15, 1950, Serial No. 168,388
8 Claims. (Cl. 62—178)

1. The process of producing increased refrigeration effect in a refrigeration cycle designed for using dichlorodifluoromethane consisting in evaporating an azeotropic mixture of dichlorodifluoromethane and unsymmetrical difluoroethane, compressing and condensing the evaporated azeotropic mixture to produce refrigeration effect substantially eighteen per cent greater than that produced by the use of dichlorodifluoromethane alone in such cycle.

23,359
ENGINE STARTER DRIVE
Paul L. Schneider, Dennis W. Nighbert, and Harold J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original No. 2,509,110, dated May 23, 1950, Serial No. 57,054, October 28, 1948. Application for reissue September 1, 1950, Serial No. 182,694
2 Claims. (Cl. 74—7)



1. An engine starter drive comprising a tubular screw shaft adapted to be mounted on a starting

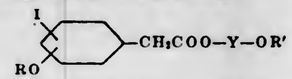
motor shaft and to be connected therewith, a pinion movable axially along the motor shaft into mesh with an engine gear, a nut threadedly connected with the screw shaft, means for yieldingly transmitting rotary motion from the nut to the pinion, means for yieldingly transmitting motion axially from the nut to the pinion in the direction to mesh the pinion with the engine gear, means for nonyieldingly transmitting motion from the nut to the pinion in the direction to retract the pinion from the engine gear, stops provided respectively by the screw shaft and the nut which are engaged upon rotation of the nut in the direction to retract the pinion, a light helical torsion spring surrounding the screw shaft and connected with the nut and screw shaft for retaining the stop of the nut normally in engagement with the stop of the screw shaft whereby the pinion is located a definite distance from the engine gear, said screw shaft having a non-threaded portion of diameter less than the outside diameter of the screw threads between its threaded portion and its stop, a latching plunger guided by the nut for movement transversely thereof, a spring opposing movement of the plunger by centrifugal force, said plunger being located on the nut for movement by the nut from a normal position adjacent the non-threaded portion of the screw shaft to a position engaging a thread of the screw shaft only after the pinion has partially meshed with the engine gear, said thread of the screw shaft having a recess for receiving the plunger after further meshing of the pinion, said second spring urging the plunger into said recess, and means preventing engagement of the plunger with the non-threaded portion of the screw shaft.

PATENTS

GRANTED APRIL 17, 1951

2,548,852
ALKOXYALKYL ESTERS OF IODO-ALKOXY SUBSTITUTED PHENYL ACETIC ACIDS
Sydney Archer, Albany, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 29, 1949, Serial No. 73,663
12 Claims. (Cl. 260—473)

4. A compound of the formula



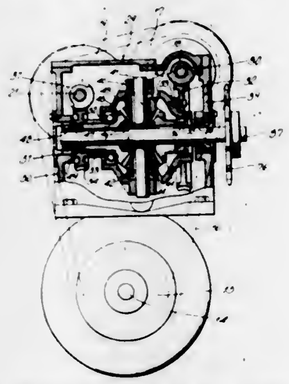
containing a total of from 12–16 carbon atoms, wherein R and R' are lower-alkyl groups and Y is a lower-alkylene radical in which at least 2 carbon atoms separate the carboxyl group from the OR' group.

2,548,853
TREATING ACRYLONITRILE COPOLYMERS WITH SULFURIC ACID FOLLOWED BY DYEING WITH ACETATE DYES
Ralph B. Baker, Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 1, 1948, Serial No. 52,426
5 Claims. (Cl. 8—4)

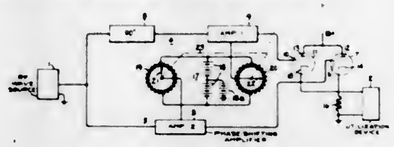
1. The process of dyeing an article comprising an acrylonitrile copolymer containing about 40% by weight of acrylonitrile in the polymer molecule which comprises treating such article with an aqueous sulfuric acid solution of from 75 to 85% concentration for from 15 seconds to 5 minutes at room temperature, washing the article free of acid, completely drying the article, and then dyeing the acid-treated article in a dyebath consisting of an aqueous dispersion of a cellulose acetate type dyestuff.

2,548,854
VARIABLE POWER TRANSMISSION MECHANISM
John P. Arndt, Oak Park, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York
Application December 14, 1944, Serial No. 568,101
3 Claims. (Cl. 74—689)

1. A variable speed transmission mechanism comprising a primary shaft, a secondary shaft having a longitudinal axis parallel to the longitudinal axis of the primary shaft, a driven shaft, variable speed transmission gearing in train between the primary and secondary shafts and the driven shaft for imparting variable speeds to the driven shaft, oppositely tapered cone pulleys on said primary and secondary shafts, a driving motor, a pulley driven by said motor and having a longitudinal axis parallel to the longitudinal axes of the primary and secondary shafts, a belt trained around both said cone pulleys and said motor driven pulley to rotate the primary and secondary shafts in a common direction, and means for adjusting the position of the belt along the oppositely tapered cone pulleys in a direction substantially parallel to the axes of the primary and secondary shafts to simultaneously increase the speed of rotation of one of said primary and secondary shafts and decrease the speed of rotation of the other shaft to impart variable speeds to the driven shaft.



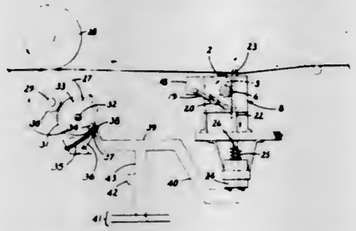
2,548,855
PHASE SHIFTING APPARATUS
Everhard H. B. Bartelink, Bronxville, N. Y., assignor to General Electric Company, a corporation of New York
Application December 11, 1946, Serial No. 715,427
9 Claims. (Cl. 323—119)



1. A phase shifting apparatus comprising a pair of two-stage electronic amplifiers, means for applying wave energy to the input of said apparatus, means for impressing the wave energy on the input of one of said amplifiers in phase and on the input of the other of said amplifiers ninety degrees out of phase, the second stage of each of said amplifiers comprising an electron discharge device having an anode and a cathode and a control electrode, a feedback network between said anode and said control electrode, individual gain control means for varying the mutual conductance of each of said devices, whereby the output voltage of each amplifier may be varied in amplitude from a maximum value in phase with the input voltage through zero to a maximum value one hundred and eighty degrees out of phase with the input voltage, a common unicontrol means for simultaneously varying the adjustments of both said gain control means in a predetermined manner, the output voltage of either amplifier being zero when the output of other amplifier is a maximum, and means for

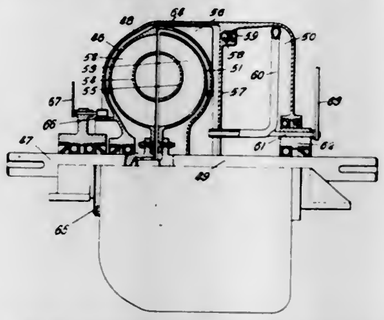
combining the outputs of said amplifiers to secure a resultant output voltage of any desired phase difference with respect to the input voltage of said apparatus.

2,548,856
APPARATUS FOR MARKING STRANDS
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 22, 1946, Serial No. 704,937
11 Claims. (Cl. 91—12)



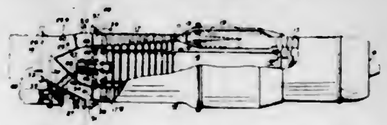
1. A device for marking a strand running longitudinally in a path comprising a generally straight portion comprising a rotatable applicator having a shoe with an arcuate peripheral wiping surface, means for supplying a liquid-marking medium to the arcuate surface of the applicator shoe, means for rotating the applicator intermittently, and means synchronized with the rotating means for intermittently moving the strand laterally from its normal running path toward the applicator into the path of the arcuate surface of the shoe.

2,548,857
FLUID CIRCULATION CONTROL FOR FLUID COUPLINGS
John Edward Becker, Darlington, Ontario, Canada, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada, a corporation of Canada
Application February 25, 1948, Serial No. 10,614
4 Claims. (Cl. 60—54)



1. A fluid coupling comprising a driving shaft, a driven shaft, a bearing assembly in which the driving shaft is mounted, a bearing assembly in which the driven shaft is mounted, an orbicular impeller shell of substantially 8-shaped cross-section and which is secured to the driving shaft, a plurality of radial impeller blades contained within one half of the shell, a concave ring-shaped runner housing secured to the driven shaft and contained within the other half of the impeller shell, a plurality of radial runner blades contained within the runner housing and adapted to be driven by the impeller blades through the medium of a fluid, a freely rotatable coupling housing in which the impeller shell is contained, radially positioned centrifugal pump fins protruding from the outer face of the portion of the impeller shell in which the runner housing is contained, the impeller shell being pierced with fluid inlet and outlet orifices adjacent to the fins, bearing assemblies upon the driving shaft and the driven shaft and upon which the rotatable housing is freely mounted, a fluid reservoir forming an extension of the coupling housing and rotating therewith, a brake controlling the rotative speed of the coupling housing and fluid reservoir, a swingably mounted fluid scoop pipe contained within the fluid reservoir and communicating with the coupling housing, and means for swinging the scoop pipe into and out of engagement with the centrifugal fluid ring formed in the rotating fluid reservoir.

2,548,858
GAS TURBINE APPARATUS
Marcus C. Benedict, Springfield, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1949, Serial No. 101,190
2 Claims. (Cl. 230—122)

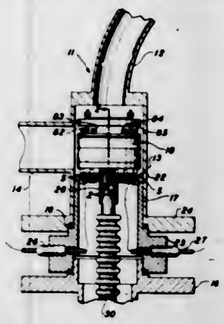


1. In a gas turbine power plant including a substantially cylindrical casing structure having an annular air flow passage, and a compressor rotor axially mounted therein for drawing air into said passage, an air inlet casing section comprising an outer generally frusto-conical wall portion complementary to and mounted on said casing structure and an inner fairing portion disposed in spaced relation interiorly of said outer wall portion, said casing section having an eccentric air inlet passage diverging rearwardly into a concentric annular passage communicating with the first-named passage, an arcuate gear box carried on the relatively inswept wall portion of said casing section adjacent said eccentric passage and within the lateral extent of said power plant, a plurality of accessory devices for said power plant mounted on said gear box, and driving means therefor including a shaft operatively connecting said accessory devices to said rotor.

2,548,859
MASS SPECTROMETER
Clifford E. Berry, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application June 17, 1948, Serial No. 33,596
9 Claims. (Cl. 250—41.9)

1. In an ion source for a mass spectrometer the combination which comprises a first conductive disk having an inlet therein for molecules to be ionized, a second conductive disk affixed against the first disk and having recess therein opening toward the first disk and defining an ionization chamber, the second disk having an ion slit in it opposite the first disk, a third conductive disk having an ion slit in alignment with the ion slit

in the second disk and spaced from the second disk on the side opposite the first disk, a plurality of conductive supports passing through the sev-

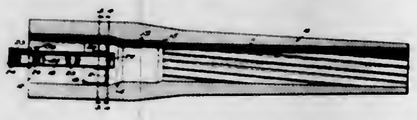


eral disks, and means affixing the first disk and the third disk to separate ones of the said supports.

2,548,860
HYDROCARBON CONVERSION PROCESS WITH THE USE OF A GRAINY SILICA-ALUMINA TYPE CATALYST
George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 26, 1947, Serial No. 794,128
7 Claims. (Cl. 196—52)

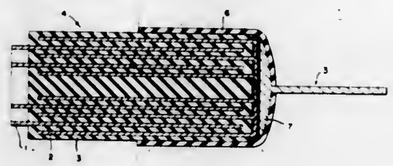
1. The process of converting higher boiling hydrocarbons to gasoline by catalytic cracking which comprises contacting said hydrocarbons with a solid catalytic composition prepared by a method comprising precipitation of silica and alumina from an aqueous medium containing soluble silicon and aluminum compounds under conditions selected to form a grainy precipitate, said soluble compounds being present in said aqueous medium in such high concentrations as to furnish silica and alumina in a product concentration of at least 150 grams per liter of total reaction mass and said precipitation being effected at a pH of 2 to 10 in the presence of added acidic materials.

2,548,861
BORE SIGHT
Leo H. Brown, Glenville, Conn.
Application November 9, 1944, Serial No. 562,639
8 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a bore sight for a gun, a telescope comprising an objective, a first reticle identifying a point lying on the optical axis of said telescope, and a second reticle in fixed relation with said first reticle and spaced therefrom, said second reticle defining a closed line symmetrical about said optical axis, and means connected with said telescope and engaging said gun, said means being adapted positively to locate said telescope at the breech end of said gun, with its optical axis substantially coincident with the axis of said bore, and with said objective in position to focus an image of the muzzle end of said bore in the plane of said second reticle while simultaneously focusing the image of an aiming point, located at infinity, in the plane of said first reticle.

2,548,862
CAPACITOR
Kristian H. Brandt, Red Bank, N. J.
Application April 16, 1945, Serial No. 588,506, which is a division of application Serial No. 547,094, July 28, 1944. Divided and this application April 23, 1946, Serial No. 664,181
1 Claim. (Cl. 175—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fixed capacitor of the rolled type, comprising two metal foils in strip form having a predetermined length, a fused coating of initially flexible vitreous enamel applied on both sides of each of said foils, a narrow portion of said foils respectively on opposite edges thereof being free of said coating, said foils and coatings being in the form of a roll, said portions forming the ends of the roll and being compressed thereagainst, an electroconductive disc disposed adjacent said compressed portion, electroconductive means for bonding said discs to said compressed portions, a lead conductor secured to each disc, and a fused vitreous envelope covering said roll, said discs and a portion of said conductors.

2,548,863
SUBSTITUTED GLYCINAMIDES
William F. Bruce, Havertown, and Joseph Seifter, Willow Grove, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 29, 1946, Serial No. 673,155
2 Claims. (Cl. 260—561)

1. New compounds of the group consisting of substituted glycinamides, corresponding to the formula

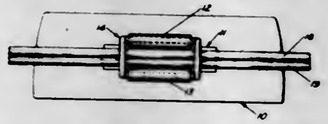
$$R_1R_2NCH_2CONHR_3$$

where R_1 is a lower alkyl and R_2 is an alkyl of not more than 9 carbon atoms while R_3 is a branched-chain alkyl radical having 7 to 9 carbon atoms and wherein NHR_3 represents the residue of a primary pressor amine; and the non-toxic acid-addition salts of said glycinamides.

2,548,864
ORTHODONTIC APPLIANCE
Archie B. Brusse, Denver, Colo., assignor to Rocky Mountain Metal Products Co., Denver, Colo., a corporation of Colorado
Application February 7, 1947, Serial No. 727,185
1 Claim. (Cl. 32—14)

An orthodontic appliance comprising a bracket including a base portion having projecting ends

for attachment to a tooth band, wall members extending outwardly from opposite sides of said base portion in substantially parallel, spaced relation, each of said wall members having at its outer end an outwardly projecting flange shaped to provide a longitudinal substantially U-shaped groove in the undersurface of said flange, the space between the wall members being sufficient to receive an arch wire or wires in side-by-side arrangement, and a resilient clamp comprising U-shaped transverse portions adapted to engage the arch wire or wires at opposite ends of the



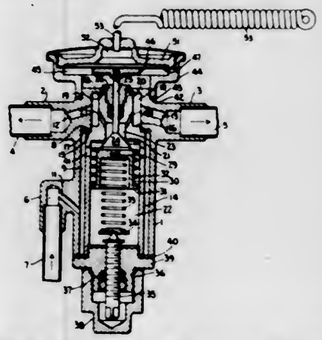
wall members, a longitudinal bar interconnecting said U-shaped end portions and adapted to be received in the longitudinal, substantially U-shaped groove of one of said flanges and substantially coaxial, separated bars extending longitudinally from the U-shaped end portions substantially parallel to said longitudinal interconnecting bar and adapted to be received in the longitudinal substantially U-shaped groove of the other said flange when sprung into underlying engagement therewith so as to clampingly hold the arch wire or wires between the wall members of said bracket.

2,548,865
FROZEN CONFECTIONS
Leland H. Burt, Philadelphia, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 8, 1945, Serial No. 571,950
5 Claims. (Cl. 99—136)

1. A frozen confection composition comprising confection ingredients, a water-colloidable carboxyalkyl carbohydrate and water, said carboxyalkyl carbohydrate being present in an amount between about 0.01% and about 0.5% by weight, said composition being characterized by a reduction in whipping time to produce the desired overrun during manufacture into a frozen confection and possessing improved body and texture properties as a frozen confection.

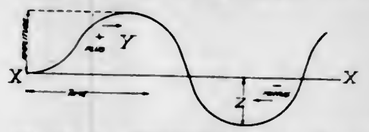
2,548,866
THERMOSTATIC EXPANSION VALVE
Franklyn Y. Carter, Dearborn, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1946, Serial No. 648,223
6 Claims. (Cl. 236—92)

1. In a thermostatic expansion valve, a tubular shell having a concentrically apertured end wall and an open end and an internal annular shoulder spaced from said end wall, a tubular body member having a closed end wall, said end wall having an external annular shoulder seating on said shoulder to divide said shell internally into an annular inlet compartment and an outlet compartment, said body member having an end wall having a projecting portion extending through said shell aperture and having a second annular shoulder seating on said shell end wall, said shell having an inlet passageway leading into said inlet compartment and having an outlet passageway leading from said outlet compartment, said body member having a valve seat therein separating said body member internally into an inlet chamber and an outlet chamber, said body member having a passageway through its side wall connecting said inlet compartment to said inlet chamber and having a passageway connecting said outlet chamber to said outlet compartment, a valve member cooperable with said seat, said body member having a surrounding shoulder seating against said shell



to close said open end, a thermostatic power element having a movable operating member and mounted on said shell, said surrounding shoulder and said power element facing each other and being spaced from each other by said shell, means operatively connecting said operating member to said valve member, and means clamping said body member surrounding shoulder and said power element to said shell.

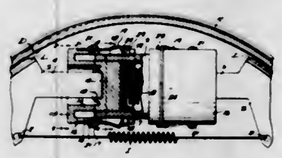
2,548,867
ELECTROPLATING METALS
Allan E. Chester, Highland Park, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
Application April 14, 1945, Serial No. 588,399
5 Claims. (Cl. 204—45)



1. A method of electrodepositing bright plates of metals from alkaline baths which comprises passing a plating electric current including direct and alternating current components of abnormal asymmetric sine wave form having peaks and valleys through an alkaline plating bath of a metal from the group consisting of zinc, cadmium, copper and tin, the valley voltage of the wave form being from 0 volts to a minimum of minus two-thirds of the positive peak value, and the alternating current component having a frequency within the limits from about 25 cycles to about 60 cycles.

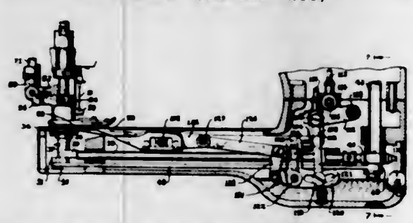
2,548,868
SELF-ADJUSTING HYDRAULIC BRAKE CYLINDER
Harley R. Christenot, Cut Bank, Mont.
Application August 2, 1948, Serial No. 41,948
2 Claims. (Cl. 188—79.5)

1. In a self-adjusting hydraulic brake appliance, the combination with a cylinder having an exterior longitudinal series of rack teeth and a reciprocable piston in the cylinder, of a head on the piston forming an inner annular groove fitting over the cylinder and slidable thereon, and an exterior spring detent attached to the head



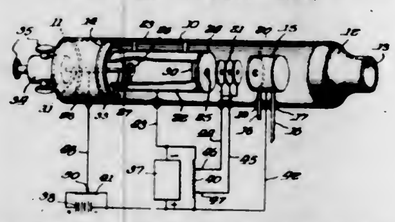
and projecting through a slot therein for coaction with the rack teeth for the purpose described.

2,548,869
SEWING MACHINE
Norman V. Christensen and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1947, Serial No. 737,546
15 Claims. (Cl. 112—200)



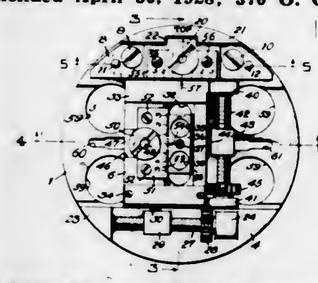
1. In a sewing machine having a frame carrying a needle head with a vertically reciprocable needle bar, said frame being also provided with a horizontally extending, free-ended work supporting arm, and having a main shaft above said arm for receiving power to operate the machine, the combination of an oscillatory looper, a vertically disposed shaft within said work supporting arm carrying said looper, a support in which said shaft is journalled, and connections from said main shaft for bodily reciprocating said support longitudinally of said arm and for oscillating said looper carrying shaft within said support.

2,548,870
POINT PROJECTION ION MICROSCOPE
Walter L. Colterjohn, Jr., Oak Park, Ill.
Application October 17, 1949, Serial No. 121,787
11 Claims. (Cl. 250—49.5)



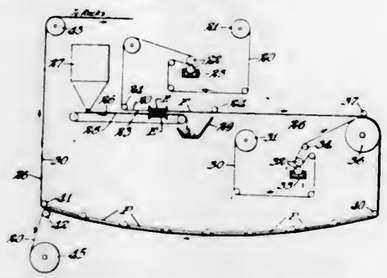
1. In an ion microscope, the combination including an ion source for projecting an ion beam, means positioned in the path of said beam and operative to reflect the ions incident on it, whereby said reflected ions appear to come from said means as their source, an object to be magnified located in the path of said reflected ions, and an ion detection device for receiving the magnified image.

2,548,871
BORE SIGHT
Richard S. Cranmer, Wyncote, Pa.
Application February 18, 1947, Serial No. 729,203
3 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bore sight comprising a frame adapted to engage the walls of and be supported by the breech portion of the bore of a gun, said frame having a first pair of opposed guideways determining a first path transversely across said bore, a first slide mounted between said guideways for translation along said path, a screw journaled on said frame for rotation upon an axis parallel to said first path, a nut threaded upon said screw, a pin on said slide fitting a hole in said nut, said first slide having a second guideway determining a second path normal to said bore and first path, a second slide mounted on said first slide for translation along said second path, a second screw journaled on said first slide for rotation about an axis parallel to said second path, a second nut on said second screw, and a pin fixed in said second slide and fitting a hole in said second nut.

2,548,872
METHOD OF FIXING PARTICLES TO SHEET MATERIAL
Bert S. Cross, St. Paul, and George P. Netherly, Afton Township, Washington County, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Continuation of application Serial No. 510,010, November 12, 1943. This application August 10, 1948, Serial No. 43,528
6 Claims. (Cl. 117—17)

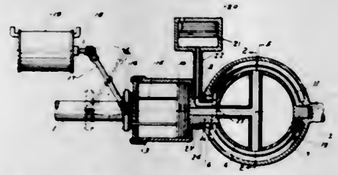


4. The method of making particulate coated sheeted material comprising applying a coating of temporary adhesive to a surface of a sheeted temporary support, propelling the support longitudinally, applying particles thereto so that they are substantially all held by the adhesive with their adhesive-contacting portions collectively conforming to the contour of the adhesive coated surface of the support and with their

opposite portions extending outwardly from the support and protruding from the layer of temporary adhesive, coating a sheeted permanent backing with a permanent binder and propelling it longitudinally with its coated surface facing the coated surface of the support, directing the support and the backing to move in unison adjacent each other so that the support and backing are temporarily united to form a double web with the adhesive coated surface of the support maintaining a desired contour, the adhesive-contacting portions of the particles collectively conforming to the said contour and the opposite portions of the particles penetrating the binder, maintaining the support, backing and particles in the said positional relationship until the binder has set sufficiently to hold the particles fixed upon removal of the support and adhesive and then peeling off the support and adhesive, leaving the particles held by the binder with the portions of the particles which originally contacted the adhesive exposed to form a composite surface complementary to that of the support.

6. The method of claim 4 in which the particles are elongate and in which they are applied to and embedded lengthwise in the adhesive of the temporary support by passage of an electrical field through the particles as they are so applied.

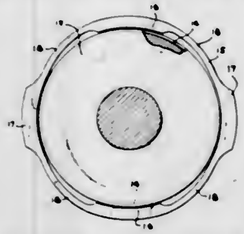
2,548,873
FLUID COUPLING
Glenn B. Culbertson, Dayton, Ohio
Application August 2, 1944, Serial No. 547,724
9 Claims. (Cl. 192—58)



1. A variable fluid power transmission, including revoluble driving and driven shafts, a spherical revoluble impeller connected with the driving shaft for unison rotation, a spherical revoluble shell concentrically enclosing the spherical impeller in spaced relation therewith and connected to the driven shaft for unison rotation, two series of cooperating vanes within the space between the spherical impeller and the enclosing spherical shell, comprising a series of relatively spaced vanes carried upon the exterior surface of the impeller and a series of spaced vanes carried upon the interior surface of the concentric enclosing shell, radially disposed discharge ports in the spherical impeller through which actuating fluid is centrifugally discharged into the space intermediate the impeller and shell and between the vanes therein, a supply reservoir for actuating fluid, conduits leading therefrom to the discharge ports, including radial conduits in the spherical impeller, and piston means movable in said reservoir for optionally varying the quantity of actuating fluid supplied thereto.

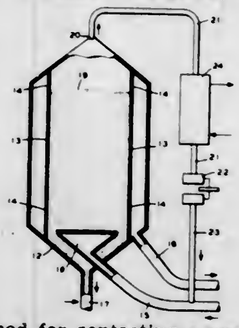
2,548,874
RETAINING DEVICE
Daniel P. Darwin, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 10, 1945, Serial No. 621,546
1 Claim. (Cl. 85—8.5)

A retainer ring for axially positioning parts on rotating shafts, comprising an annular portion; a pair of diametrically-opposed key portions extending radially inward from said annular portion; a pair of diametrically-opposed weight portions extending radially outward from said annular portion approximately intermediate said key portions; the sections of said annular portion which are between the key portions and the weight portions being resilient whereby the retaining ring may be flexed at right angles to the



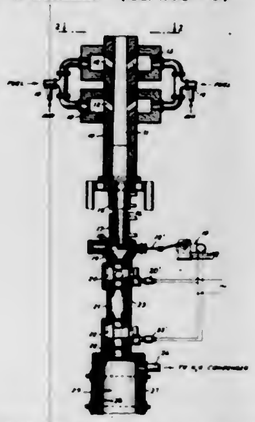
diametrically-opposed key portions to increase and decrease the distance between the latter; and the product of the weight and radius of the weight portions being greater than the product of the weight and radius of the key portions whereby the centrifugal forces of the weight portions during rotation of the ring tend to expand said ring in the directions of said weight portions, thereby tending to contract said ring in the directions of the key portions.

2,548,875
CONTACTING GASES AND SOLIDS
William J. Degnen, Westfield, and Luther R. Hill, Ridgewood, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 7, 1947, Serial No. 720,552
3 Claims. (Cl. 23—1)



1. A method for contacting a gas with finely divided solids which comprises passing said gas upwardly in a contact zone through a loose mass of finely divided particles of said solids at a relatively low velocity to maintain the finely divided solids as a lower dense phase in which the contact particles are maintained in relatively high concentration in a fluidized pseudo-liquid condition and as an upper diffuse phase containing solids in low concentration, withdrawing a portion of said gas from said contact zone through a porous membrane which is substantially impervious to said solid particles and which contacts said dense fluidized mass of solids over a substantial area of said porous membrane, withdrawing another portion of said gas directly from said upper diffuse phase and from said contact zone without passage through said porous membrane, and reintroducing said last-mentioned withdrawn gas into said contact zone at a low point thereof and into contact with said fluidized mass of solids.

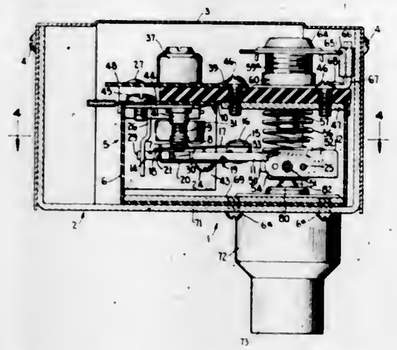
2,548,876
REDUCTION FURNACE
Fredrik W. de Jahn, New York, N. Y., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application August 6, 1946, Serial No. 688,644
2 Claims. (Cl. 266—9)



1. In apparatus for making primary metal products from nodules molded from the oxide of said metal in finely-divided form, the combination of reducing furnace shaft, a baking furnace shaft having a nodule outlet positioned at a higher level than the nodule inlet to said reducing furnace shaft for gravity-feeding the nodules after baking in said baking furnace directly to said reducing furnace, a first valve interposed between said furnaces for feeding said nodules from the baking furnace to the reducing furnace, a cooling jacket between said baking furnace shaft and said first valve for cooling said nodules, motive means for opening and closing said gate to regulate the flow of nodules between said furnaces, a measuring chamber interposed between said first valve and said reducing furnace for receiving said nodules, a second valve interposed between said measuring chamber and said reducing furnace and driven in timed relation with said first valve for discharging the nodules from said measuring chamber to said reducing furnace, and a gas valve interposed between said measuring chamber and said first valve for preventing flow of gas from said reducing furnace to said baking furnace when said second valve is open.

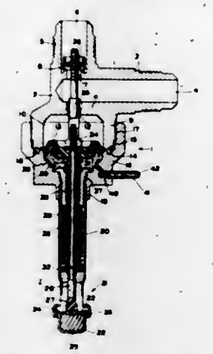
2,548,877
AUTOMATICALLY OPERABLE SNAP-ACTING SWITCH
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 21, 1947, Serial No. 756,265
31 Claims. (Cl. 200—83)

1. In a switch, a pair of switch contacts, one of said contacts being movable, the other of said contacts being fixed, a lever carrying said movable contact, stop means cooperable with said lever and operable to determine the limits of travel of said lever, said lever having an aperture through one end, a swivel member pivotally carried by said lever in said aperture, spring means engageable with said swivel member and operable to urge said lever in one direction, means alined with and engaging said swivel member in opposition to said spring means and operable to



urge said lever in the opposite direction, and tensioned resilient means carried by said lever and carrying said movable contact so that said switch may open or close without appreciable vibration.

2,548,878
THERMOSTATIC VALVE HAVING SEALING DIAPHRAGM AND SUPPORTING MEANS THEREFOR
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 30, 1948, Serial No. 68,245
4 Claims. (Cl. 236—99)



1. A thermostatically operated valve for controlling flow of fluid under pressure comprising a valve casing having an inlet and an outlet and an interconnecting passageway, a movable valve member in said passageway for controlling flow of fluid therethrough and having a valve stem, a thermostatic power element operatively connected to said valve stem for moving the same, a flexible diaphragm of an elastomeric material interposed between said power element and said valve member and sealed to and movable with said stem and shielding said power element from the path of fluid circulating through said valve, liquid means interposed between said diaphragm and said power element and providing a solid backing support for said diaphragm to prevent rupture thereof by fluid line pressure, and said

diaphragm having excess material forming a corrugation operable to be flexed against said liquid means and to maintain contact therewith throughout the entire range of movement of said valve stem by said power element.

2,548,879
CURTAIN
Maurice Druck, Long Beach, N. Y.
Application April 27, 1945, Serial No. 590,554
2 Claims. (Cl. 160—330)



1. A curtain including an integral heading, rod carrying passage, and valance, said curtain comprising a substantially flexible base fabric extending upwardly and folded upon itself to form a first bight, said fabric extending downwardly from said bight a substantial distance and then being folded upon itself upwardly to form a second bight which constitutes the lower edge of said valance; said fabric continuing upwardly to the general location of the first bight and being folded upon itself to form a third bight surrounding the first bight; said base material being again folded upon itself to form a fourth bight and continuing upwardly therefrom to be again folded upon itself to form a fifth bight constituting the upper edge of said heading; said material continuing downwardly to the location of the fourth bight; means below the fifth bight and above the fourth bight connecting the fabric plies and forming the upper portion of said rod carrying passage; and second means interconnecting the upper edge of the fabric the fourth bight and a portion of the first bight.

2,548,880
PROCESS OF PRODUCING CYCLONITE-CONTAINING EXPLOSIVE
Hartwell Henry Fassnacht, Wenonah, N. J., and Clifford Akeley Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 12, 1948, Serial No. 8,014
5 Claims. (Cl. 52—22)

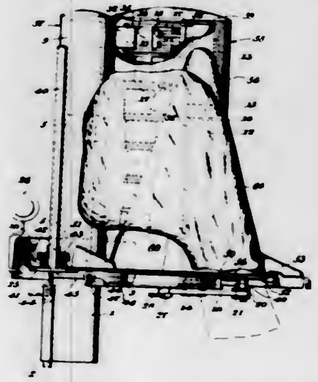
1. A method of preparing high velocity gelatinous explosives, which comprises mixing cyclotrimethylenetrinitramine having a water content between 7 and 20%, with a blend of nitrotoluenes in liquid form during at least a portion of the process, heating the mixture to a temperature between 65° C. and 100° C., and thereby substantially removing the water, cooling the mass, and introducing nitrocellulose into the mixture during the process of cooling.

2,548,881
HIGH-FREQUENCY ATTENUATING APPARATUS
Thomas M. Ferrill, Jr., Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 24, 1945, Serial No. 579,559
14 Claims. (Cl. 178—44)



5. A concentric transmission line attenuator for delivering electromagnetic wave energy to a load having a first admittance, comprising a transmission line section coupled to said load and having a characteristic admittance different from said first admittance, and at least three equal dissipator elements in shunt with said transmission line section spaced therealong at equal electrical intervals of the order of one-quarter of the wavelength of said wave energy, said transmission line section extending by a distance equal to said electrical intervals beyond the end ones of said dissipator elements for presenting an attenuator input admittance equal to said first admittance.

2,548,882
WRINGER
Edwin E. Foster, Austin, Tex.
Application September 21, 1944, Serial No. 555,136
21 Claims. (Cl. 68—263)



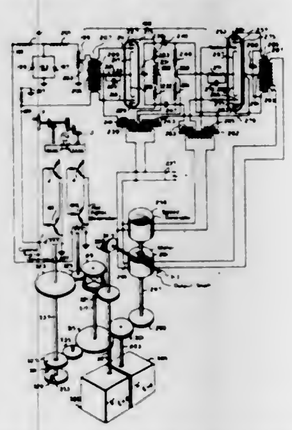
4. In a wringer, a squeezing device comprising a pair of rolls of which each roll has a flexible sleeve which is loosely fitted for rotation, means in one of said sleeves to rotate said sleeve and the latter in turn rotating the other sleeve, and a plurality of pivotally mounted members mounted within the other sleeve to flex the sleeve to conform to the varying thicknesses of the material to be squeezed.

6. A wringer comprising a horizontal table, a pair of squeezing rolls projecting above the table at right angles to the table, means for rotating one of said rolls, means for adjusting the other roll away from and towards the driving roll thereby providing squeezing and open positions of the rolls, and a cone-shaped guide member mounted on the table in front of and on the material entry side of the rolls.

2,548,883
PROCESS OF REMOVING CARBON FROM CATALYST
Earl V. Harlow, Nutley, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 7, 1946, Serial No. 695,557
12 Claims. (Cl. 260—681)

1. In a process for making butadiene from alcohol involving catalysis and reactivation, the steps of effecting the catalysis in a heat exchange converter having insufficient heating capacity to heat the catalyst to the desired reactivation temperature, increasing the pressure near the end of the catalysis in order to increase the carbon deposited upon the catalyst and thereafter reactivating the catalyst in said heat exchange converter.

2,548,884
REMOTE POSITIONAL CONTROL MECHANISM
William C. Hartman, Bohemia, James A. Peoples, Jr., Hempstead, and Harvard L. Hull, East Williston, N. Y., assignors to the Sperry Corporation, a corporation of Delaware
Application November 1, 1941, Serial No. 417,580
6 Claims. (Cl. 89—41)

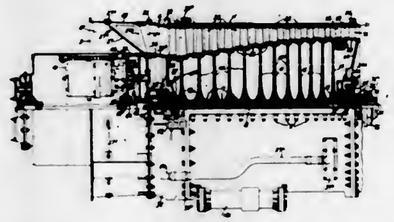


1. In a remote control system to rotate a controlled object, a data signal source settable relative to the controlled object to produce signals variable in accordance with the disagreement between the actual position and a desired position of the controlled object, a signal generator comprising a polyphase winding and a single-phase winding, one of said windings being rotatable, means to energize the polyphase winding from the data signal source to produce a first signal voltage in the single-phase winding upon disagreement in position between the data signal source and the controlled object, means to modify said first signal voltage to produce a second signal voltage having components proportional to said first signal voltage and to at least one time derivative thereof, a servo motor, means to actuate said motor by the second signal voltage, a variable speed power drive to move the controlled object at variable speed, means to control said speed by said motor, and means to modify the position of the rotatable winding in accordance with the position and velocity of the controlled object.

2,548,885
DECOLORIZING AND FRACTIONATING SUGAR CANE WAX
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a New York membership corporation
No Drawing. Application April 29, 1947, Serial No. 744,796
11 Claims. (Cl. 260—428.5)

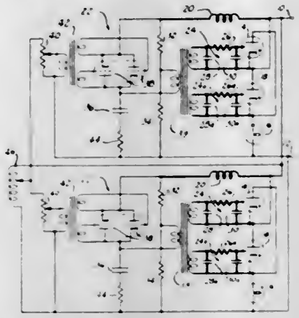
1. The method of fractionating crude sugar cane wax containing color bodies, fatty materials and wax to recover valuable fractions therefrom which comprises, contacting melted crude wax with liquid propane at a temperature of about 180° F. and a pressure sufficiently high to maintain the propane in liquid phase to form two, separable immiscible liquid phases of different densities, separating the phases and recovering the fatty materials and wax from the less dense phase.

2,548,886
GAS TURBINE POWER PLANT WITH AXIAL FLOW COMPRESSOR
Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1947, Serial No. 782,171
5 Claims. (Cl. 230—132)



1. A rotor for a multi-stage axial flow turbomachine having a casing and axially spaced bearings for supporting the rotor, said rotor comprising a shaft with a circumferential shoulder adjacent one end and a reduced diameter threaded portion at the other end, a plurality of coaxial axially spaced disk members each having a central bore through which the shaft passes and a rim portion carrying a plurality of circumferentially spaced blades, the hub portion of the disk at one end of the rotor engaging said shoulder on the shaft and the disk at the opposite end having associated therewith key means for positively transmitting torque from the shaft to said last-mentioned disk, a nut member threadedly received on the end of the compressor shaft and engaging the hub portion of said last end disk, and a plurality of spacer rings located between the rim portions of the respective disks, said spacers defining a rabbet fit with adjacent edges of the compressor disk rims, the aggregate axial length of said compressor disk rim portions and spacers measured center-to-center between the end disks being greater than the corresponding axial dimensions of the hub portions of the disks, whereby with the nut member tightened the web portions of at least some of the disks are deflected from a radial plane so that the disk rims and spacers are forced axially into tight engagement with each other and centrifugal force tends to increase the friction of the driving connections through the tendency of the disk webs to move into an exactly radial plane at high speeds.

2,548,887
FILTERED THYRATRON CONTROL CIRCUITS
George C. Izenour, New Haven, Conn.
Application October 27, 1949, Serial No. 123,858
5 Claims. (Cl. 315—291)



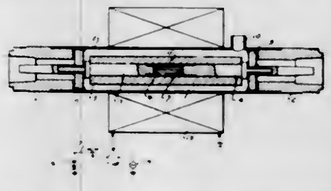
1. An alternating-current lighting circuit including a lamp, a thyratron connected in control relation to said lamp and to power lines, a wide-range phase-shift circuit connected to said lines, said phase-shift network including a tapped resistive voltage divider, an adjustable series resistive-capacitive phase-shift circuit in parallel with said voltage divider, and a transformer having its primary winding connected between said resistive voltage divider and said phase-shift circuit, and a secondary winding connected to the control grid of said thyratron, a choke in the connection between said power line and said phase-shift network, and a resistor-capacitor low-pass filter in the connections between said secondary winding and said thyratron grid.

2,548,888
RADIO RANGE TRAINING DEVICE
Peter C. Jones, Dayton, Ohio
Application July 24, 1946, Serial No. 685,882
7 Claims. (Cl. 35—10.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A training device for simulating a radio range comprising a plate of translucent material, a reflector located adjacent to the bottom surface of said plate, four light barriers positioned between said reflector and said plate and extending radially from a point on said reflector, a source of light in each reflector area and means for keying the light sources in one pair of oppositely disposed reflector areas with the code letter N and the light sources in the other pair of oppositely disposed reflector areas with the code letter A, whereby four sectoral areas of light are produced on the top surface of said plate, said sectoral areas of light being adjacent to each other and extending completely around a common center so as to correspond to the horizontal sectoral areas between courses of a four course radio range, a recording device movable over the top surface of said translucent plate, a photoelectric element mounted on said device in proximity to the upper surface of said plate so as to receive light from the said upper surface, means for generating an audible tone, and means for utilizing the electrical output of said photoelectric element to control the intensity of said tone in accordance with the variations in intensity of the light received by said photoelectric element.

2,548,889
HIGH-SPEED COAXIAL RELAY
Robert E. Kester, Dayton, Ohio, and William S. Quincy, Jr., Quaker Hill, Conn.
Application November 9, 1949, Serial No. 126,422
6 Claims. (Cl. 200—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

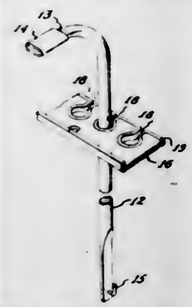


1. A high speed coaxial relay comprising a cylindrical outer conductor of non-magnetic material, a cylindrical inner conductor coaxial with said outer conductor and made of a material having high magnetic permeability, a cylindrical tube of dielectric material closely fitted over said inner conductor, a gap in said inner conductor inside said tube, a plurality of fingers of conductive springy material having high magnetic permeability, said inner conductor at one end of said gap being reduced in radius by an amount approximately equal to the thickness of said fingers, said inner conductor at the other end of said gap being reduced in radius by an amount greater than the thickness of said fingers, said fingers being positioned in parallel and slightly spaced relationship about the surface of the recessed portion of the inner conductor at said one end of said gap and being mechanically and electrically attached thereto, said fingers being of sufficient length to extend across said gap and to overlap the reduced portion of the inner conductor at the said other end of the gap, said fingers being preloaded before assembly inside said tube so as to normally lie against the inner wall of said tube and in spaced relation to the inner conductor at the said other end of said gap, and means for establishing a magnetomotive force across said gap for bringing the free ends of said fingers into contact with the reduced portion of the inner conductor at the said other end of the gap.

2,548,890
UPRIGHT PIANO ACTION
Armand F. Knoblaugh, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application January 5, 1950, Serial No. 136,965
16 Claims. (Cl. 84—240)

1. In a piano an action rail, a wippen pivoted to said rail, a key frame located above said wippen, a key mounted for actuation on said frame and an abstract for connecting said wippen and said key, said abstract being a rigid, rod-like member of elongated form having an angularly disposed end contacting said key and a pivotal element connecting said abstract and said wippen substantially in line with the axis of said

abstract, said element having means to prevent axial rotation of said abstract, and guide means for said abstract located below its key contacting end at a point remote from its pivotal connection



with the wippen, said guide means having an opening accepting said abstract slidably in a rod-like portion thereof and an additional contiguous opening for permitting passage of said pivotal element.

2,548,891
METHOD OF MAKING A SHAVING AID
Emil Gantner, Zurich, Switzerland
No Drawing. Application November 4, 1947, Serial No. 784,082. In Switzerland November 14, 1946
1 Claim. (Cl. 167—92)

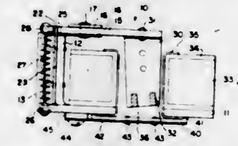
A method of making a shaving aid for use with electric razors, which comprises melting a quantity of spermaceti wax, preheating at least five times that amount by weight of talcum powder to a temperature substantially equal to that of the molten wax, and adding the preheated talc to the molten wax under agitation until a homogenous mixture is formed, and pressing said mixture into shaped pieces.

2,548,892
COLOR AND STAIN REMOVERS FOR FABRICS
Chester M. Gooding, Staten Island, N. Y., Elliott Morrill, Oak Park, Ill., and Eugene D. Seiter, Jersey City, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application August 27, 1947, Serial No. 770,954
6 Claims. (Cl. 252—105)

3. A solid dry color and stain remover for fabrics consisting essentially of 100 parts of basic zinc sulfoxylate formaldehyde, a solid dry α-hydroxy carboxylic acid and 1 to 20 parts of para diisobutyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride, the solid dry α-hydroxy carboxylic acid and the amount thereof being selected from the class consisting of 45 to 150 parts of citric acid, 50 to 90 parts of tartaric acid, 60 to 200 parts of malic acid and 70 to 200 parts of hydroxyacetic acid.

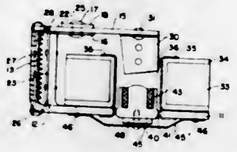
2,548,893
ELECTROMAGNETIC ACTUATOR
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 16, 1949, Serial No. 127,607
2 Claims. (Cl. 175—338)

1. In an electromagnetic actuator, a magnetic core structure including a core member having an upstanding portion and a transversely extending portion with an aperture in said transversely extending portion, a hollow energizing coil for energizing said core structure, means including a non-magnetic sleeve member securing said hollow coil to said core member in alignment with said aperture, armature means including a plate of magnetic material pivotally mounted on said upstanding portion of said core member and a plunger of magnetic material attached at one extremity thereof extending normal to said plate and into the confines of said coil, said armature means being adapted to be pivoted about said upstanding portion of said core member with said plunger of said armature means moving within the confines of said hollow coil and out of physical



contact therewith, a plate of magnetic material positioned in bridging relationship over said aperture in said transversely extending portion of said core member, means including a spring of non-magnetic material mounting said plate on said transversely extending portion of said core member for movement relative thereto, said core structure being energized with a magnetic flux which flows through said core member said armature means and said plate causing said plunger to be attracted toward and into engagement with said plate, said mounting means for said plate permitting movement of said plate relative to said core member to absorb the impact of said engagement in such a manner that the bridging relationship and the magnetic flux flow within said core structure is substantially maintained.

2,548,894
ELECTROMAGNETIC ACTUATOR
James H. Johnson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 16, 1949, Serial No. 127,610
3 Claims. (Cl. 175—338)



1. In an electromagnetic actuator, a magnetic core structure including a frame member of magnetic material having an upstanding portion and a transversely extending portion with said transversely extending portion having an aperture therein, a hollow energizing coil for energizing said core structure, a non-magnetic sleeve member extending into said aperture in said transversely extending portion of said frame member being surrounded by said coil and securing said coil on said frame member in alignment with said aperture, armature means including a plate of magnetic material pivotally mounted on said upstanding portion of said frame member and having a plunger attached to the free extremity thereof extending normally thereto and into the confines of said hollow coil.

said armature being mounted for pivotal movement about said upstanding portion such that said plunger moves within said coil and out of contact therewith upon energization of said coil and a flow of magnetic flux in said core structure, a magnetic stop member positioned in said aperture of said transversely extending portion of said frame member and being surrounded by said magnetic sleeve to provide a uniform and minimum air gap therebetween, and flexure mounting means attached and its extremities to said transversely extending portion of said frame member and at its center to said stop member to secure said stop member to said frame member, said stop member being adapted to be engaged by said plunger of said armature means upon energization of said coil and movement of said plunger, said flexure mounting means permitting movement of said stop member to absorb the impact of engagement between said plunger and said stop member maintaining said minimum air gap and flux flow between said members.

2,548,895

EXTRACTION OF CITRUS PEEL

Robert P. Graham, Albany, and Allan D. Shepherd, El Cerrito, Calif., assignors to United States of America as represented by the Secretary of Agriculture

Application November 25, 1947, Serial No. 788,076
3 Claims. (Cl. 260—209.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A counter-current process for obtaining an extract having a pectin concentration of higher than about 0.3 percent and having a relatively high filtration rate, comprising slowly passing citrus peel, dried to at least about 90% solids and in the form of strips from about $\frac{1}{8}$ inch to about $\frac{1}{4}$ inch in width, through an elongated path in a body of dilute aqueous mineral acid with a minimum of disintegration of the peel, the peel and the aqueous acid moving in opposite directions, and removing the extract toward one end of the body and the peel toward the other.

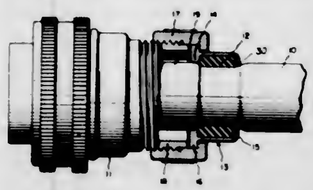
2,548,896

SEALING MEANS FOR THE CABLE INLET OF A TERMINAL CONNECTOR

Robert P. Gutterman, Arlington, Va.

Application December 11, 1945, Serial No. 634,345
1 Claim. (Cl. 174—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A cable connection comprising a rubber-sheathed electric cable having a necked-down portion, a ferrule having a longitudinally extending cylindrical portion terminating at one end thereof in an inwardly and outwardly laterally extending flange portion and at the other end in an inwardly and substantially arcuately shaped portion describing an arc in excess of 90° and overhanging one end of the necked-down portion, said inwardly extending flange portion having one surface portion thereof in engagement with the cable and another surface portion overhanging the other end of said necked-down portion of the cable whereby an annular wedge-shaped space is defined therebetween, a substantially cylindrical resilient shoulder of flowable material interposed between the ferrule and the necked-down portion and having an inner diameter smaller than the outer diameter of the cable and an outer diameter substantially greater than the inner diameter of the cylindrical portion of



the ferrule prior to assembly of said device whereby the shoulder is under compression between the cable and the cylindrical portion, an anti-chafing bulge integral with said shoulder and positioned between the arcuately shaped portion of the ferrule and said one end of the necked-down portion, an annular wedge-shaped seal portion integral with said shoulder and positioned within said annular wedge-shaped space, and a ring nut in engagement with said outwardly laterally extending flange portion.

2,548,897

PROCESS FOR MELTING HAFNIUM, ZIRCONIUM, AND TITANIUM METALS

William J. Kroll, Corvallis, Oreg., assignor to the United States of America as represented by the Secretary of the Interior

No Drawing. Application April 7, 1947, Serial No. 739,952
7 Claims. (Cl. 22—200)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the production of malleable ingots of the group IV*b* metals and their alloys involving melting said metal in a degassed graphite crucible and transferring the molten metal to a cold mold.

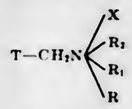
2,548,898

QUATERNARY THENYL COMPOUNDS

Lucas P. Kyrides, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 16, 1945, Serial No. 629,193
9 Claims. (Cl. 260—329)

1. A compound having the formula



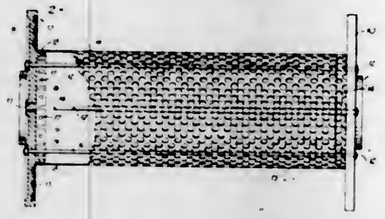
in which T is a radical having thiophene as a nucleus, R is a straight chain alkyl radical containing 8 to 18 carbon atoms, R_1 is a radical selected from the group consisting of alkyl radicals containing 1 to 7 carbon atoms, cycloalkyl-methyl radicals, aryl-methyl radicals and thienyl-methyl radicals, R_2 is an alkyl radical containing 1 to 7 carbon atoms, and X is a halogen.

2,548,899

WARP DYE BEAM

Homer V. Lang, Charlotte, N. C.

Application July 16, 1945, Serial No. 605,253
2 Claims. (Cl. 68—198)



2. A warp dye beam member comprising a perforated cylinder and a pair of head members, the head members having annular ribs projecting from the proximate surfaces thereof, the ribs having perforations therethrough and having a circumferential groove on their exterior surface over which the ends of the perforated cylinder fit, whereby a treating fluid may pass in either direction through the ribs and between the ribs and the perforated cylinder and through the perforations in the cylinder, and means penetrating the head members and disposed on the interior of the cylinder for securing the heads against the ends of the cylinder.

2,548,900

DATA PRESENTATION APPARATUS

John M. Lester, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application June 12, 1946, Serial No. 676,199
16 Claims. (Cl. 343—11)

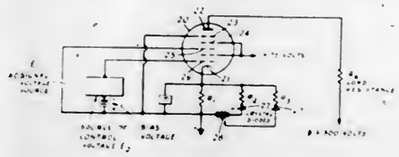
1. In a radar system embodying periodical radio pulse transmitting and receiving apparatus and antenna means coupled to said apparatus for production of periodical receiver output pulses due to radio energy propagated to a distant object and reflected therefrom, said receiver output pulses being delayed after the pulse transmissions by a time interval corresponding to the distance of said remote object, performance indicating apparatus comprising: a cathode ray oscillograph arranged for generation and intensity control of a spot-illuminating beam and for vertical and horizontal deflection of said beam, alternating voltage means for producing periodical horizontal movement of said beam of a predetermined amplitude, means coupled to said periodical radio pulse transmitting and receiving apparatus for sweeping said beam vertically in synchronism with the transmission of radio pulses, means for varying the intensity of said beam according to variations of receiver output voltage whereby an object reflecting radio energy pulses is represented by a horizontal line of extent limited according to said predetermined amplitude, the vertical position of said line being representative of distance of the energy reflecting object, means synchronized with said beam sweeping means for producing voltage impulses in predetermined phase relation with the vertical movement of said beam, and means jointly responsive to said impulse producing means and to said alternating voltage means for momentarily changing the intensity of said beam in predetermined phase relations with both the horizontal and vertical movements of said beam, whereby a distinctive mark is produced at a predetermined point on said screen for positional comparison with said object-representing line.

2,548,901

CATHODE COMPENSATED ELECTRONIC TUBE CIRCUIT

William West Moe, Stratford, Conn., assignor to Time, Inc., New York, N. Y., a corporation of New York

Application July 23, 1947, Serial No. 763,049
5 Claims. (Cl. 332—52)



2. In a modulation system including an electron tube having plate and cathode electrodes and a plurality of grid electrodes, the combination of means supplying one signal to one of said grid electrodes, means supplying a second signal to another of said grid electrodes, a cathode resistor connected in series with said cathode electrode, and a non-linear resistor connected in parallel with said cathode resistor, said non-linear resistor being designed to decrease the degenerative effect of said cathode resistor at input magnitudes which produce voltages near zero on one of said grid electrodes to compensate for non-linearity of the G_m-grid voltage characteristic of said tube at said input magnitudes.

2,548,902

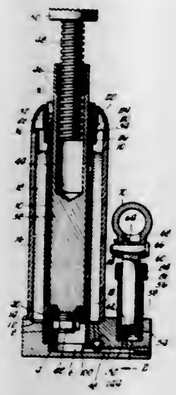
HYDRAULIC JACK

Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application November 17, 1945, Serial No. 629,241
9 Claims. (Cl. 60—52)

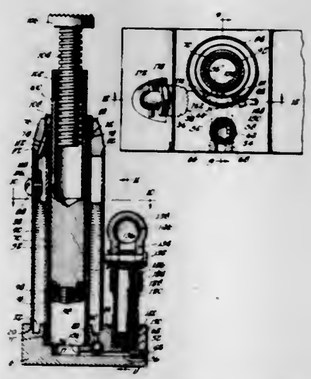
8. In an hydraulic mechanism, in combination with a base, a ram cylinder, a high pressure pump and a liquid reservoir associated with said base, said base having a bore formed therein the central axis of which is substantially a straight line, the outer end of said bore opening upon the exterior walls of said base, inner portions of said bore being formed with spaced valve seats, separate valve means normally seating upon said seats, conduits controlled by said valves and interconnecting the reservoir with the ram cylinder and with the high pressure pump cylinder, and a release valve mechanism detachably mounted in the outer end of said bore so that upon removal of said release valve mechanism said spaced valves are immediately accessible for removal through said substantially straight bore, said re-

lease valve mechanism including a shiftable member, and a fluid connection between the ram



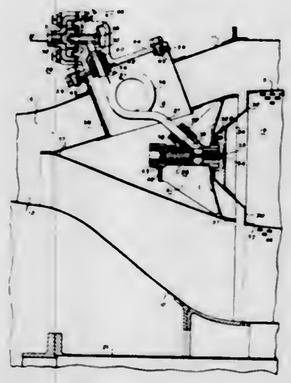
cylinder and the reservoir controlled by the movement of said release valve.

2,548,903
HYDRAULIC JACK
Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application April 9, 1945, Serial No. 587,279
9 Claims. (Cl. 60—52)



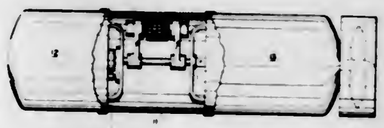
6. An hydraulic jack comprising a base, a ram cylinder mounted thereon, means on the base forming a reservoir associated with the ram cylinder, a ram in said cylinder, a high pressure pump cylinder mounted on the base and a piston reciprocable in said pump cylinder, said base having a bore formed therein one end of which is connected with the reservoir, and a portion spaced from the opposite end of said bore which is connected with the reservoir, said bore having a release valve seat of relatively large diameter between said reservoir connections, a release valve adjustably mounted in said valve bore to close upon said relatively large release valve seat, said bore having two spaced apart valve seats of relatively smaller diameter spaced inwardly from the release valve seat and outwardly of said first connection to the reservoir, valves to close upon said spaced apart seats, said bore having a connection between said two last mentioned seats connecting with the high pressure pump cylinder, said bore having an additional connection located between the release valve seat and the next adjacent valve seat and connecting with the ram cylinder.

2,548,904
JET ENGINE FUEL NOZZLE HOLDER AND MOUNTING
Robert A. Neal and Linn F. Cummings, Media, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1949, Serial No. 114,411
3 Claims. (Cl. 60—44)



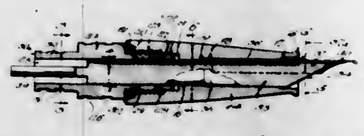
1. Combustion apparatus comprising a fuel nozzle, combustion chamber means having a socket for receiving said nozzle, a fuel metering valve device spaced from said chamber, and a flexible conduit interposed in strain relation between said valve device and said nozzle for urging the latter into engagement with the socket of said combustion chamber.

2,548,905
PULSATING SOUND GENERATOR
Keith H. Odenweller, Winfield, Kans., and Raymond L. Steinberger, Alexandria, Va.
Application April 25, 1946, Serial No. 664,871
7 Claims. (Cl. 116—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



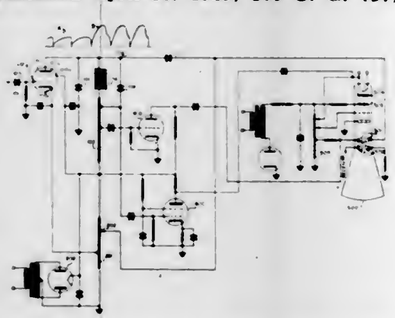
1. A pulsating sound source, comprising a cylinder, a roller corrugated longitudinally, cushioned bearings for the roller and means for rotating said bearings eccentrically with respect to the walls of the cylinder to cause said roller to roll against the inner surface of said cylinder with greater pressure on one side of the cylinder than on the other so that the outer portions of the corrugations of the roller strike against the cylinder to produce a pulsating sound.

2,548,906
FOUNTAIN PEN
John William Para, Elizabeth, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey
Application October 19, 1945, Serial No. 623,266
14 Claims. (Cl. 120—50)



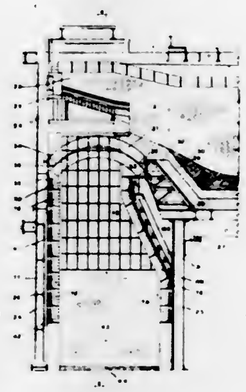
1. In a fountain pen having a barrel, an ink reservoir therein, a bore through the barrel, a counterbore extending from one end of the barrel, an insert plug having a main body portion and rear and forward extension members thereon, said forward extension member having a gasket-receiving groove therein, means for securing the insert plug to the barrel, a pen nib retaining-sleeve having a bore therethrough and a counterbore extending from the outer end of said sleeve, a second counterbore extending from adjacent the inner end of said sleeve, said forward extension plug member extending into the retaining-sleeve counterbore, a gasket in the groove of the insert plug at the juncture of the rear body portion of the sleeve and the main body portion of the insert plug, means for uniting the insert plug to the pen nib retaining-sleeve, a feed bar extending through said insert plug in said retaining-sleeve and aligning said members, said feed bar having a pair of primary longitudinal feed grooves extending from one end towards the other end, capillary grooves forming extensions of the primary grooves, and a pen nib overlying said grooves, said capillary grooves carrying the ink to the point of the pen nib and keeping the latter supplied at all times with ink.

2,548,907
SWEEP SYSTEM
La Verne R. Philpott, Washington, D. C.
Application April 19, 1944, Serial No. 531,773
2 Claims. (Cl. 315—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A control circuit for a cathode ray tube having beam deflection means and beam intensity control means comprising a sawtooth wave generator coupled to said beam deflection means for causing the beam of said cathode ray tube to gradually sweep across the face of said tube in a first given direction and to quickly return across the face of said tube, means coupled to said beam intensity control means for normally blanking said beam, means coupled between said sawtooth wave generator and said beam intensity control means responsive to the sawtooth wave output of said generator to provide a square wave of voltage during the beam sweep in said first given direction for unblanking said beam.

2,548,908
PORT END CONSTRUCTION FOR OPEN-HEARTH FURNACES
Charles F. Pollen, Winnetka, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware
Application May 18, 1945, Serial No. 594,454
7 Claims. (Cl. 263—15)

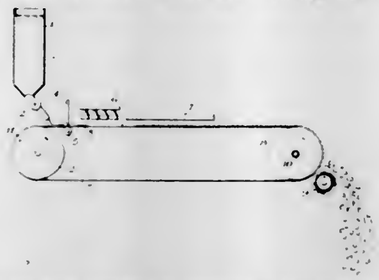


5. In an open hearth furnace, sectional walls of refractory material defining a port chamber comprising an upper short, wide inlet passage, a lower settling chamber appreciably wider than said inlet passage, and a downwardly widening portion between said inlet passage and settling chamber much longer than said inlet passage, a framework individually supporting the sections of said walls, an arch near the top of said inlet passage supported solely by said framework, and a burner mounting supported by said arch, said arch being located entirely above said widening portion with its lower ends adjacent the top of said widening portion, and said chamber being free of all obstructions between said walls below said arch.

2,548,909
METHOD OF PRODUCING LAMELLAR POLYSTYRENE PARTICLES
Laurence L. Ryden, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application February 9, 1948, Serial No. 7,215
10 Claims. (Cl. 18—47.5)

8. A process for making pigmental laminae of polystyrene from an aqueous colloidal polystyrene solution obtained by polymerizing styrene in aqueous emulsion which comprises dispersing a pigment in said colloidal solution, applying a layer of the aqueous dispersion to a metal surface, drying the aqueous layer by heating the same to a temperature below the fusion temperature of the polystyrene to obtain powdery flakes which retain their identity, heating the powdery flakes to a temperature sufficient to fuse the poly-

styrene particles in the individual powdery flakes and form lamellar particles, cooling the fused



particles and thereafter removing the latter from the metal surface.

2,548,910
METHOD OF MANUFACTURING CLICKER DIES

Bernhard Uno Rylander, Enskede, Sweden, assignor to Svenska Skofabriksntforeningen, Stockholm, Sweden, an association of shoe manufacturers

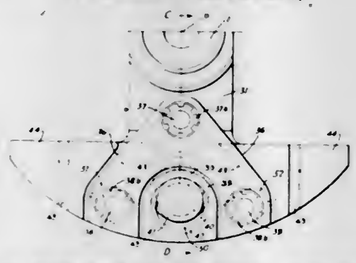
Application March 18, 1949, Serial No. 82,142
In Sweden April 1, 1948
3 Claims. (Cl. 76—107)

1. A method of manufacturing cutting dies for cutting blanks from leather, skin, stuff, paper and the like, which includes the steps of grinding the longitudinal edges of a plurality of hardened thin steel strips to form a bevelled cutting edge on the strips so that each edge lies in the same plane as a plane side of the strip, bending the hardened strips to the desired outline of the blank to be cut, positioning the cutting edge of each of the strips so that at least a portion of the cutting edges of a pair of strips coincide in a common line, and thereafter welding the pair of strips together.

2,548,911
OSCILLATIONS REDUCING DEVICE

François Marie Michel Bernard Salomon, Paris, France; vested in the Attorney General of the United States

Original application May 14, 1940, Serial No. 335,081. Divided and this application May 25, 1945, Serial No. 595,839. In Luxembourg May 19, 1939
20 Claims. (Cl. 74—574)

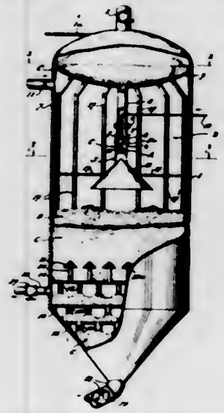


1. In apparatus for reducing oscillations in structures, a rotatable member having a laterally extending portion provided with a curved path, an oscillating member mounted on the rotatable member for angular movement relative thereto, a plurality of relatively movable centrifugal restoring members pivotally mounted on said oscillating member, said restoring members having curved paths thereon, and force transmitting means having engagement with and movable along each of the aforesaid curved paths for transmitting the restoring action of said centrifugal members to said oscillating member.

2,548,912
PROCESS OF AND APPARATUS FOR CONVERTING HYDROCARBON MATERIAL

Reuben T. Savage, Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application August 6, 1947, Serial No. 766,714
10 Claims. (Cl. 196—52)

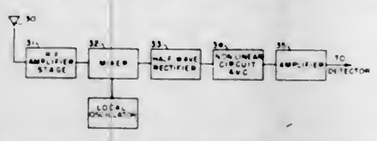


1. In a process for the conversion of heavy, relatively non-volatile hydrocarbons using particles of fluent contact material wherein said particles flow downwardly from a location above a confined zone into said confined zone and onto the top surface of a wide compact bed of said particles within said zone, which top surface is spaced below the top of said confined zone, then gravitate downwardly as a compact non-turbulent bed and discharge through a constricted zone below said bed, the total horizontal area of said constricted zone being a small fraction of the horizontal area of said bed: the method which comprises flowing contact material downwardly in compact non-turbulent flow to and through an annular metering zone located above the top surface of said bed and spaced away from the sides of said confined zone, said metering zone having a uniform annular width and having a horizontal periphery which is a small fraction of that of said bed; discharging particles of contact material from said metering zone as a thick, dense, sheet-like curtain of particles of contact material falling freely and unobstructedly downwardly, said curtain having such a thickness and density as to intercept atomized liquid hydrocarbons directed thereto; directing atomized liquid hydrocarbons toward said curtain so that said curtain is interposed between said atomized liquid hydrocarbons and the sides of said confined zone; and removing hydrocarbon vapors including those formed by contact of said contact material and said liquid hydrocarbon material from said confined zone.

2,548,913
RADIO RECEIVER WITH LOGARITHMIC RESPONSE CIRCUIT

Edmund D. Schreiner, Washington, D. C., and Bradford Howland, La Fayette, Ind.

Application April 17, 1946, Serial No. 662,766
2 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A modulated wave carrier receiving system comprising an amplifier section, a demodulator, a half wave rectifier connected to the output of the said amplifier section and a logarithmic response network connecting the output of said rectifier to the demodulator of said receiving system, said last named network comprising, a pair of input terminals, a first series connection across said input terminals, said connection including an impedance element, and a nonlinear impedance device, a second series connection also including an impedance element and a nonlinear impedance device connected in shunt with a portion of the said first series connection, and a pair of output terminals connected across said nonlinear impedance device of said second series connection.

2,548,914
COLOR AND STAIN REMOVERS FOR FABRICS

Eugene D. Seiter, Jersey City, N. J., Chester M. Gooding, Staten Island, N. Y., and Elliott Morrill, Oak Park, Ill., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

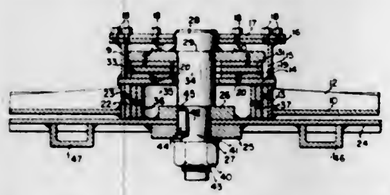
No Drawing. Application September 24, 1947, Serial No. 775,966
1 Claim. (Cl. 252—105)

A solid dry color and stain remover for fabrics consisting essentially of 100 parts by weight of basic zinc sulfoxylate formaldehyde, 200 to 400 parts by weight of succinic acid, and 1 to 20 parts by weight of para diisobutyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride.

2,548,915
TRAWL RUNNER

Harold K. I. Sorensen, Cambridge, Mass.

Application December 28, 1946, Serial No. 718,909
12 Claims. (Cl. 43—9)

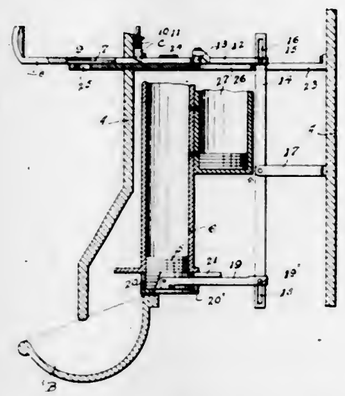


1. A trawl runner comprising a ground plate having an outer ground engaging ring, a second plate positioned parallel to the first plate, a hub means having two coaxial parts sliding relatively on each other, one portion attached to the ground engaging plate and the other to said second plate, means contained in said hub for providing thrust bearings in directions normal to the plane of the plates, and means attached to said second plate for connecting respectively to the line from a vessel and the line to a net.

2,548,916
COIN CHANGER

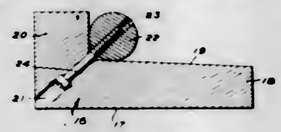
Elsie Marie Sorenson, Salt Lake City, Utah

Application October 2, 1946, Serial No. 700,619
1 Claim. (Cl. 194—80)



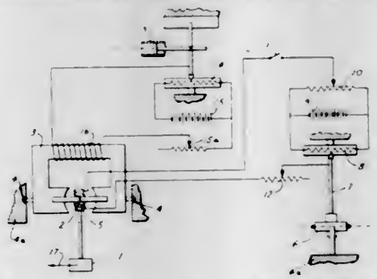
A change making machine of the type described comprising a frame, an enclosure around said frame, a substantially vertically disposed receptacle for deposited coins mounted within said enclosure, a substantially vertically disposed change tube secured to said receptacle in lateral alignment therewith and depending therebeneath, a generally horizontally disposed coin slide support having an aperture therein disposed above said deposited coin receptacle, an apertured coin slide reciprocably mounted on the slide support and movable from an outer position wherein the aperture in said slide is exposed, to an inner position within the enclosure wherein the aperture in the slide is in registry with said coin receptacle, said coin slide having a longitudinally disposed slot formed therein extending from the aperture to the inner extremity of said slide, a vertically disposed operating lever pivotally supported within said enclosure for movement about a horizontal axis and slotted adjacent each extremity, a reciprocal change box on the lower extremity of the change tube, a substantially horizontally disposed lever having one extremity connected to said change box, a pin on the opposite extremity of said lever engaging in the slot in the lower end of said operating lever, a bar disposed above said coin slide support and supported thereupon for reciprocal movement, said bar comprising a pair of spaced parallel arms connected by a transverse raised portion permitting the coin slide to reciprocate beneath said raised portion and between said parallel arms, a transversely disposed pin in the free extremities of said parallel arms engaging in the slot in the upper end of said operating lever, and a centrally located vertically disposed lug on the transverse portion of said bar and depending therebeneath in alignment with the slot in the coin slide whereby upon reciprocation of said coin slide a coin therein will engage said vertically disposed lug, reciprocating said bar and actuating said operating lever.

2,548,917
THREAD CHECKING DEVICE
Rudolph J. Spall, Detroit, Mich.
Application June 28, 1946, Serial No. 680,107
2 Claims. (Cl. 33—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gaging device for tapered articles comprising a body having a bottom extremity defining a plane, a slant, planar, upper surface defining a dihedral angle with the said bottom plane, a vertical portion above the slant surface, having a planar face intersecting the slant surface in a line parallel to the line of intersection of said bottom plane and said slant plane, and a cylinder fixed to the body and tangent to said slant plane and the planar face of the vertical portion.

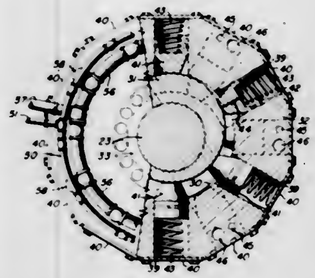
2,548,918
VERTICAL INDICATOR
James H. Stein, Toms River, N. J.
Application November 1, 1949, Serial No. 124,935
2 Claims. (Cl. 33—220)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device comprising a carrier having a longitudinal axis, a pendulum mounted for rotation on said carrier about an axis parallel to said longitudinal axis when the latter is level, said pendulum normally occupying a vertical position, an armature member fixedly mounted on said pendulum, a winding on said armature member, a field-magnet member mounted for rotation on said carrier about an axis perpendicular to said pendulum axis, said armature being rotatable between the pole faces of the field magnet, a winding on said field magnet, first means for controlling the current strength in one of said windings in proportion to the speed of the carrier, and second means for controlling the current strength in the other of said windings in proportion to the rate of turn of the carrier.

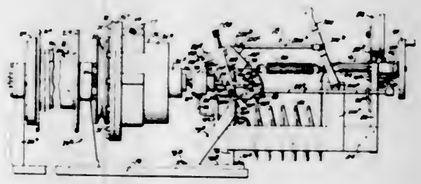
2,548,919
HYDRAULIC BRAKE
Clifton C. Stevens, Wells, Maine, and Walter F. Sanders, Tacoma, Wash., assignors to Mountain Brake and Engineering Corporation, Tacoma, Wash., a corporation of Washington
Application February 24, 1947, Serial No. 730,244
1 Claim. (Cl. 188—91)

In a hydraulic brake, the combination of a fixed cylinder block; a rotating brake member surrounded by said fixed block; an eccentrically mounted disk on said rotating brake member; a plurality of radial cylinders formed through said block, the axes of said cylinders lying in the plane of said eccentric disk; closures for the outer ends of said cylinders; pistons in said cylinders and extending therefrom to engage said eccentric



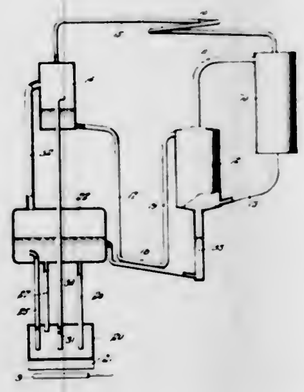
disk; closures for the annular space within said block; passages through said pistons and leading to the surface of said eccentric disk; a fluid filling said block, cylinders and passages; and a second passage leading from the space within said block to the outer portion of one said cylinder, whereby said fluid is circulated in said brake.

2,548,920
VARIABLE PRESSURE-RESPONSIVE TORQUE CONTROL FOR HYDRAULIC CLUTCHES
John R. Thomas, Wichita, Kans., assignor to Thomas Hydraulic Speed Controls, Inc., Wichita, Kans., a corporation of Kansas
Application October 22, 1946, Serial No. 704,843
15 Claims. (Cl. 192—61)



1. A hydraulic rotary power transmission and control system including a casing containing a fluid and a gear type power transmitting pump mechanism provided with inlet and outlet ports, a reciprocable valve for controlling flow of fluid through said ports, a rod connected to the valve and extending through a wall of the casing, a small cylindrical chamber within the casing coaxial with the casing and said rod, a piston fixed to the rod reciprocable within the cylindrical chamber, manual operating means for the valve cooperating with the outer end of the rod, there being a small passage through the valve and rod opening at one end into the cylindrical chamber outwardly from the piston, the other end of the passage being positioned to communicate with the outlet port at times when the latter is restricted or closed by the valve.

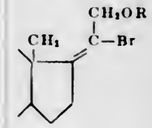
2,548,921
ABSORPTION REFRIGERATION
Baltzar Carl von Platen, Stockholm, Sweden, assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application June 26, 1945, Serial No. 601,682
In Sweden June 27, 1944
15 Claims. (Cl. 62—119.5)



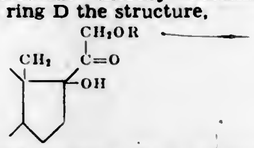
1. Refrigeration apparatus having a plurality of interconnected parts forming an absorption liquid circuit comprising an absorber and a generator unit including first means defining a space for absorption liquid and a riser tube extending upwardly therefrom through which liquid is adapted to be raised by vapor-lift action to cause circulation of liquid in said circuit, heating means for applying heat to a wall of the space to effect heating of liquid therein and cause raising of liquid in said tube, and structure embodied in said generator unit which provides a path of flow for liquid which, together with said first means, forms a local circuit including the space and through which liquid recirculates, the connection of said path of flow and said space with respect to said wall to which heat is applied being such that intense localized heating by said heating means of liquid returning to said space in the local circuit is substantially avoided whereby superheating of liquid is prevented.

2,548,922
PROCESS FOR PREPARATION OF STEROIDAL HYDROXY KETONES
Romeo B. Wagner, State College, Pa., and James A. Moore, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 3, 1949, Serial No. 131,057
3 Claims. (Cl. 260—397.4)

1. Process which comprises reacting a steroid having at ring D the structure,



with osmium tetroxide thereby obtaining a steroid having at ring D the structure,



where R is a member of the class consisting of H and lower aliphatic carboxylic acyl radicals.

2,548,923
ROTARY CLEANING TOOL
Frank J. Walters and Homer B. Nelson, United States Navy
Application August 20, 1945, Serial No. 611,670
2 Claims. (Cl. 15—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

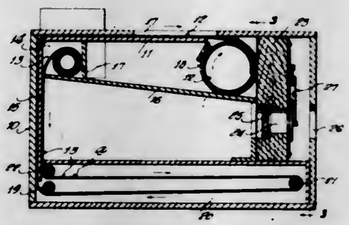


1. In a device of the character described the combination of a hollow tubular handle with a Y-shaped end having a pair of fluid outlets, said hollow handle being adapted to be connected to a source of fluid under pressure, a support having a removable bearing threaded into the end of each outlet, each support having a passageway communicating with the associated outlet, a drum rotatably mounted on the bearings, means for substantially preventing turbulence in said drum including a fixed hollow liquid delivery tube extending through the drum between the bearings, said tube being provided with a plurality of openings whose total cross sectional area is equal to the sum of the cross sectional area of the fluid passages in the Y-shaped end; a plurality of axial rows of tangential jet orifices in said drum, and removable scrubbing members secured to the surface of said drum between said rows of jet orifices said members having beveled edges adjacent the downstream end of the jets so as to substantially prevent any impingement of said jets on said edges whereby a surface to be cleaned may be subjected alternatingly to the friction of each scrubbing member and to the impinging action of each row of jets successively.

2,548,924
ROLL FILM PHOTOGRAPHIC CAMERA
Alfred D. Weir, Dallas, Tex.
Application August 21, 1948, Serial No. 45,497
5 Claims. (Cl. 95—31)

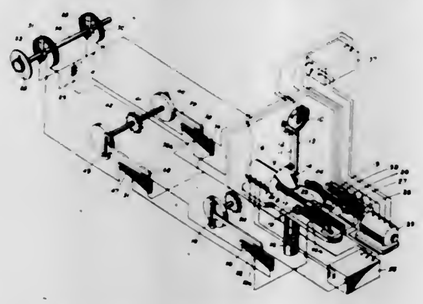
1. In a camera, a box having an exposure orifice, and a window in its top, a core in said box

having a wall in parallel juxtaposition with the top of said box, defining a light trap and a narrow passage, a photographic film storage chamber therein containing film, a film leader connected to said film at one end and slidable in said passage to move film from said storage chamber past the exposure orifice of said camera, a storage



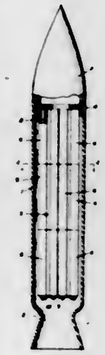
chamber within the box in which said film leader is rolled by thrusts of the finger through said window, said parallel wall providing a backing for said film leader, means on said leader registerable through said window to predeterminately dispose selective sections of said film in relation to the exposure orifice of said camera and means for storing the exposed portion of said film.

2,548,925
GUN SIGHT
Phillip Rood Wheeler, Alexandria, Va.
Application May 31, 1945, Serial No. 596,944
4 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



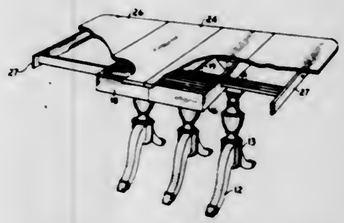
1. In a gunsight having a sighting element for use with a gun mounted on a moving platform, a device for correcting the position of said sighting element to compensate for "own ship's motion," comprising means for producing a first electrical potential proportional to own speed, a first circuit for varying said potential approximately as the sine of the train angle of the gun with respect to the direction of motion of the platform, means operable by the resultant potential from the first circuit for positioning said sighting element in train, a second circuit for varying said first potential as the cosine of the train angle of the gun with respect to the direction of motion of the gun platform and for varying the resultant potential as the sine of the angle of elevation of the gun, and means operable by the final resultant voltage from said second circuit for positioning the sighting element in elevation.

2,548,926
INSULATED TRAP FOR ROCKET PROJECTILES
Alfred Africano, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War
Application October 3, 1944, Serial No. 556,954
1 Claim. (Cl. 60—35.6)



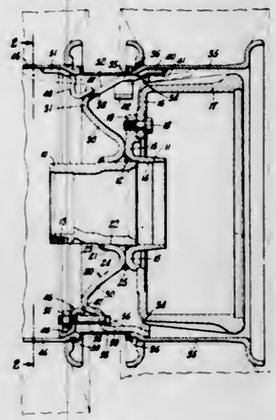
In a rocket motor, a casing forming a combustion chamber and having a rearwardly-directed nozzle, a metallic trap wire extending longitudinally within said chamber in fixed relation with said casing, a tubular grain of propellent material strung on said trap wire, and a continuous imperforate tubular layer of heat insulating material interposed between said trap wire and propellent grain whereby the formation of slivers of propellent during burning is inhibited.

2,548,927
DROP-LEAF SUPPORTS FOR EXTENSION TABLES
Stanley T. Anderson, Jamestown, N. Y.
Application January 8, 1948, Serial No. 1,249
1 Claim. (Cl. 311—61)



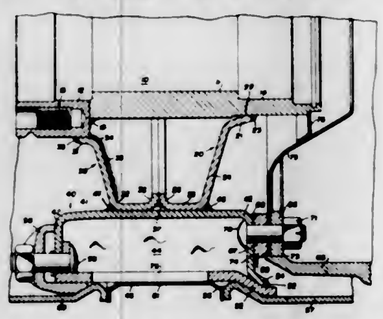
In a table having a pair of leg supported pedestals, apron sections on said pedestals, top panels mounted on and permanently secured to said sections, and drop leaves hinged to said panels; extension units connecting said pedestals, sections and panels, said units including a plurality of slides interfitted to be movable in the direction of their length, one end slide of each unit projecting through said apron sections, a rail joined to the projecting ends of said end slides, said end slides and said rail being movable to an extended position with respect to each section and adapted to support said leaves in the plane of said top panels.

2,548,928
VEHICLE WHEEL
Charles S. Ash, Milford, Mich.
Application November 9, 1945, Serial No. 627,636
2 Claims. (Cl. 301—13)



1. A vehicle wheel assembly comprising, in combination, a web member having a substantially S configuration in radial cross section, a ring member of substantially S configuration in radial cross section having a turned portion at its inner periphery providing an inclined surface seating on an inclined surface of a radially outer reach of said web member, said ring member extending substantially radially outwardly from said turned portion and having an axially outwardly inclined portion at its outer periphery, said web member having a cylindrical portion and an axially inwardly inclined portion at its outer periphery, a pair of rims each having an inclined surface at its inner periphery seated on a respective one of said inclined outer peripheral portions of said members, a spacing ring between said rims seated on said cylindrical portion, and means removably securing said first ring member to said web.

2,548,929
VEHICLE WHEEL
Charles S. Ash, Milford, Mich.
Application July 13, 1946, Serial No. 683,485
6 Claims. (Cl. 301—13)



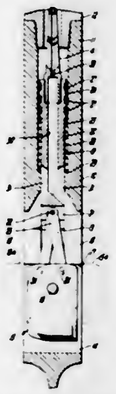
1. A vehicle wheel comprising, in combination, a hub element, a pair of web members secured to the hub element in spaced apart relationship at least one of said members being turned toward and joined to the other at the outer peripheries of said members providing an axially extending circumferential surface, hollow box-like radially and axially extending spoke members secured to said circumferential surface having radially outer surfaces for mounting a pair of tire rims, and braking means secured to said spoke members.

2,548,930
CUFF LINK WITH TILTING HEAD
Joseph Carlton Bagnall, Jr., Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application August 26, 1948, Serial No. 46,273
4 Claims. (Cl. 24—97)



1. In a cuff link, a bifurcated post having spaced parts, an angular bar extending between the spaced parts of said post, a head pivotally mounted on said bar, said head comprising a tube having one end closed, a closure for the other end of the tube having formed, from the same piece of material as the closure, spring arms and also arms at right angles thereto telescoping within said tube, said spring arms engaging said angular bar and retaining the head in desired position with relation thereto.

2,548,931
UNDERREAMER
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application April 4, 1947, Serial No. 739,403
14 Claims. (Cl. 255—76)



1. An underreamer, including a body adapted for attachment to a drill string, said body having a transverse slot, initially retracted cutter means within said slot, means connected to said cutter means for moving said cutter means in a single central plane within said slot laterally outward of said body, said cutter means having a marginal portion providing a cutting edge and an opposite marginal portion facing outwardly of said body, in the direction in which said cutter means is moved, when said cutter means is disposed in retracted position within said slot, said

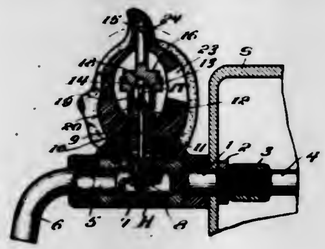
cutter means and side of said slot having a relieved portion whose surface is inclined in cross-section to the plane of movement of said cutter means within said slot for facilitating such lateral outward movement of said cutter means.

2,548,932
ELECTRICALLY HEATED TABLE
Joseph E. Ball, Roswell, N. Mex.
Application August 12, 1948, Serial No. 43,899
2 Claims. (Cl. 219—19)



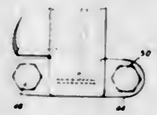
1. An electrical warming unit for dining tables comprising a heating element, an on-off switch and a thermostatic control switch all electrically connected in series and encased within a container which is both thermally and electrically insulated, said container being of sufficient depth to allow free circulation of air over said electrically connected elements and having a cover of electrical insulating material with a low heat transmission characteristic.

2,548,933
WATER FAUCET
Victor Barnett, Evansville, Ind.
Application July 20, 1948, Serial No. 39,675
1 Claim. (Cl. 277—60)



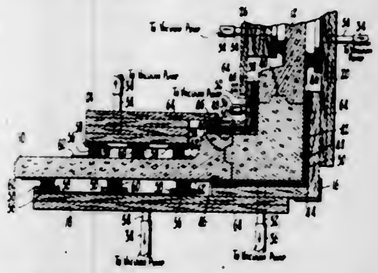
In a hot and cold water faucet adapted to be respectively connected to hot and cold water supply pipes and having a common discharge nozzle the improvement comprising a valve for each supply pipe having a stem thereon, a ball on the upper end of the stem, a link having a ball on one end and a socket on the other end thereof adapted to engage the ball on the stem, a pivoted upstanding valve control lever having a semi-spherical head thereon provided with a socket for engaging the ball on the link, a semi-spherical socket in said faucet to receive the semi-spherical head on said lever, and reciprocation of said link being provided by the rocking movement of the semi-spherical head in the correspondingly shaped socket in the faucet for controlling the operation of the valve and the discharge of water from each supply pipe, a casing of resilient material on said faucet completely enclosing said faucet except for said nozzle and an elastic bendable portion for each lever integral with the casing and enclosing the upper end portions of each lever so that the lateral deformation of each bendable portion will control the respective lever for the discharge of water from said faucet.

2,548,934
CLOSURE DEVICE
James Patrick Beaird, Shreveport, La., assignor to J. B. Beaird Company, Inc., Shreveport, La., a corporation of Delaware
Application January 12, 1946, Serial No. 640,966
1 Claim. (Cl. 220—61)



A closure device for a high pressure container comprising a cover plate therefor, said container and plate having confronting annular flanges provided with opposed tapered side faces and cylindrical outer faces, a pair of semi-circular rings having a recess with tapered side portions and a cylindrical portion interconnecting the tapered side portions adapted to peripherally fit the corresponding faces of the annular flanges, a recess in the container flange providing a projecting lip, a recess in the cover plate cooperating with the projecting lip, a gasket disposed in the first mentioned recess and upstanding projections disposed within the confines of the outer periphery of the rings, clamping means cooperating with the projections for clamping the annular flanges together to effect a uniform fit.

2,548,935
METHOD OF MOLDING JOINTS BETWEEN SPACED STRUCTURAL MEMBERS
Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania
Application September 5, 1947, Serial No. 772,324
10 Claims. (Cl. 25—155)

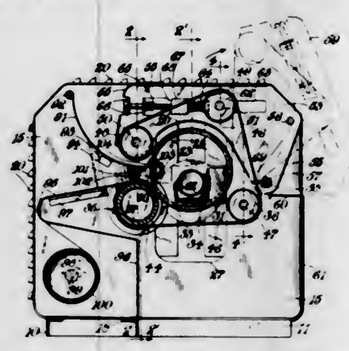


1. A method of forming a joint between spaced structural members comprising bridging said members with a closure, securing the closure in fluid tight relationship to at least one of said members by the application of subatmospheric pressure, and depositing a plastic composition between said members and closure.

2,548,936
PHOTOCOPYING MACHINE
Frank Blick, Westminster, London, England, assignor to Ozalid Company Limited, London, England, a British company
Application October 30, 1947, Serial No. 783,124
In Great Britain October 31, 1946
5 Claims. (Cl. 95—77.5)

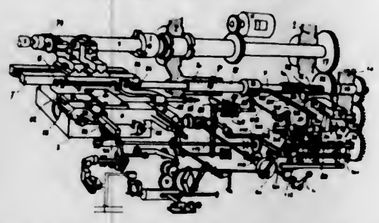
1. A photo-copying machine comprising a hollow transparent cylinder located with its axis substantially horizontal, a light source within the

cylinder, a plurality of guide rollers rotatable about substantially horizontal axes parallel with that of the cylinder, and disposed some above and some below the axis of rotation of the cylinder, an endless band carrier mounted on the guide rollers and providing an inner loop embracing the outer surface of the cylinder and forming a floating cradle-like suspension for it, with a feed-gap at one side of the cylinder for insertion between the carrier and the cylinder of transparency sheet to be copied and light-sensitized sheet to be exposed, combined with a hinged frame which forms a covered housing for the top of the cylinder, which supports the



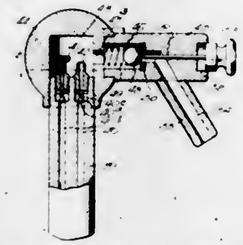
guide rollers disposed above the axis of the cylinder with the rollers rotatably mounted on the frame, and which has its hinge located on the opposite side of the cylinder from the feed-gap, the frame together with the supported guide rollers being movable bodily as a unit about the hinge away from the cylinder to uncover substantially the whole of the upper portion thereof, and means on the frame operable automatically on movement of the frame as aforesaid to tension the endless carrier so as to maintain the floating cradle-like suspension for the cylinder when the frame is in the uncovered position.

2,548,937
AUTOMATIC SCREW-CUTTING LATHE
Ernest Bodmer, Grand-Lancy-Geneva, Switzerland, assignor to Tarex S. A., Geneva, Switzerland, a corporation of Switzerland
Application April 8, 1946, Serial No. 660,503
In Switzerland June 6, 1945
2 Claims. (Cl. 10—105)



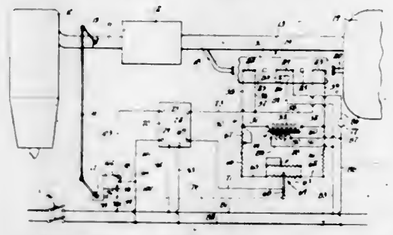
1. In a screw cutting lathe, the combination, comprising, a frame, a slide mounted for movement longitudinally of the frame, a lead screw connected to the slide and mounted in said frame for rotation and axial movement, a motor rotating said screw, a lead nut held by said frame against movement parallel to said screw and engageable with same to move same axially during rotation, spring means for holding said nut out of engagement with said screw, means holding said nut in engagement with said screw against the action of said spring means, and a locking device preventing stressing of said spring means and the engagement of said nut with said screw as long as said longitudinal slide is out of its position at the starting end of the work stroke.

2,548,938
BEVERAGE MIXING AND DISPENSING APPARATUS
Jack J. Booth and Frazier N. James, Dallas, Tex.; said James assignor to said Booth
Application June 23, 1945, Serial No. 601,226
4 Claims. (Cl. 137—69)



1. In a draft arm for drink mixing apparatus, a riser having a plurality of longitudinal passages having individual communication with a source of liquid and a carbonating agent at their lower ends and discharging into a mixing chamber at their upper ends, a fitting in the discharge end of each of said passages defining jets, said jets having orifices of differential diameters for restricting said passages in accordance with the difference in viscosity of the liquids passing therethrough, a spigot on said riser also having a mixing chamber with which said passages communicate through said first chamber for releasing mixed liquids rising through said passages, and valve means in each of said passages to preclude equalization of the normally different pressures therein.

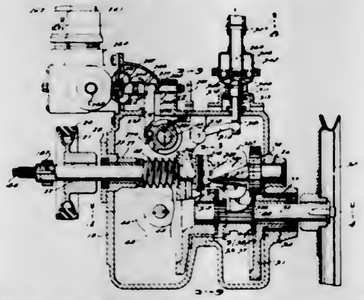
2,548,939
CONTROL APPARATUS
Benjamin W. Brion, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 27, 1946, Serial No. 672,670
6 Claims. (Cl. 98—1.5)



1. In an aircraft having a pressurized cabin, conduit means for delivering air to said cabin, means for controlling flow through said conduit, means for operating said flow controlling means; means for controlling said operating means comprising, in combination, means responsive to the mass rate of flow through said conduit, said responsive means including first thermistor means, a heater means and second thermistor means, an

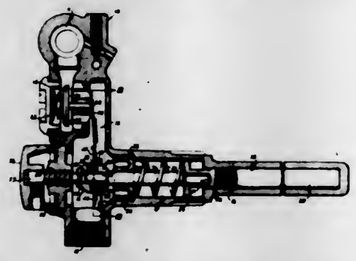
electrical network including a follow-up potentiometer and said first and second thermistors, said potentiometer being adjusted by said operating means, means for energizing said network, and amplifier means controlled by said network, said amplifier means being connected in controlling relation to said operating means.

2,548,940
DRIVE UNIT FOR AUTOMATIC WASHING MACHINES
Hyman D. Brotman, Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Application May 29, 1947, Serial No. 751,424
24 Claims. (Cl. 74—318)



1. A drive unit for a washing machine comprising a driven shaft, a pair of driving shafts for alternately driving the driven shaft, drive means for driving one driving shaft at a slow rate compared to the other, means for alternately connecting the two driving shafts to the driven shaft and including a shiftable clutch member, a driven cam shaft, and means for shifting the clutch member in opposite directions including a cam on the cam shaft for shifting the clutch member in one direction, and a second cam on the shaft for shifting the clutch member in the other direction.

2,548,941
ACTUATOR FOR THERMALLY RESPONSIVE CONTROL DEVICES
Dan A. Brown, Long Beach, Calif., assignor, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa.
Application June 23, 1947, Serial No. 756,504
1 Claim. (Cl. 297—6)



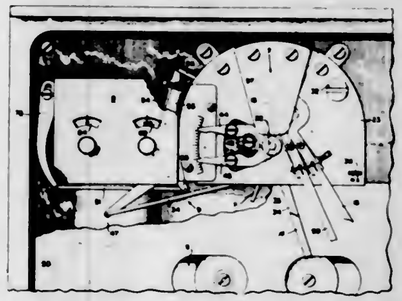
A thermally responsive actuator comprising a casing having an elongated bore therein, an actuating rod extending axially within said bore at one end thereof, an annular guide secured to the wall of said bore and slidably supporting said rod, a body of rubber-like substance confined in the other end of said bore and spaced from said rod, said rubber-like substance having a coefficient of thermal expansion higher than that of said casing, a piston interposed between said rod and said rubber-like substance for transmitting linear expansion of the latter to said rod for slidable movement thereof, and yieldable means operative between said guide and said piston for biasing the latter toward said rubber-like substance and preloading the same, said other end of said bore being reduced in diameter and said piston being provided with a reduced portion for slidable movement therein for confining said rubber-like substance in said other end of said bore.

2,548,942
AIR FILTER
Raymond L. Brown, Darien, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 6, 1947, Serial No. 752,920
2 Claims. (Cl. 183—51)



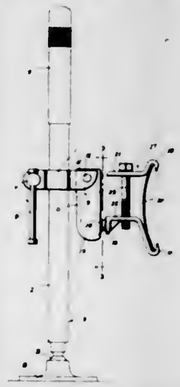
1. In a secondary air filter for a tank type suction cleaner including a filter pad of fibers with the edges of the pad compacted and bonded to form a relatively tough fabric-like periphery, the combination with said filter pad of a spirally wound glue impregnated kraft paper ring glued to and supporting the peripheral edge of said pad, a manipulating flexible strap handle extending over said pad and secured to the inner face of said ring and a perforate cover over the face of said pad opposite the face over which the strap extends, the peripheral edges of said cover being glued to the periphery of said pad to secure said cover in place.

2,548,943
AIR CONTROL INSTRUMENT
Edwin C. Burdick, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 2, 1946, Serial No. 687,927
12 Claims. (Cl. 74—1)



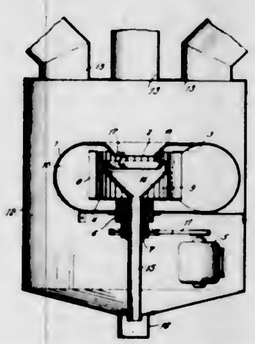
1. In a control instrument having a control unit and control point adjusting means to adjust said unit to vary the value at which a condition under control is to be maintained, the combination of means to adjust said control point adjusting means manually, means to adjust said control point adjusting means automatically and means to indicate when the manual control point adjustment is not at the same value as the automatic control point adjustment.

2,548,944
BUMPER JACK ATTACHMENT UNIT
Bert J. Chapman, Marysville, Calif.
Application August 13, 1949, Serial No. 110,194
10 Claims. (Cl. 254—133)



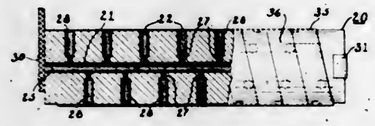
1. An attachment unit for securing the vertically adjustable post of a jack to an automobile bumper, comprising a member on the post, a suspension link transversely pivoted on and depending from said member, a clamp assembly adapted to engage the bumper, and a ball and socket connection between the suspension link and said clamp assembly.

2,548,945
BLOWER WITH COMBINED AIR CLEANER
Alfred S. Chipley, Mundelein, Ill., assignor to Burgess-Manning Company, Libertyville, Ill., a corporation of Illinois
Application August 15, 1947, Serial No. 768,736
4 Claims. (Cl. 183—37)



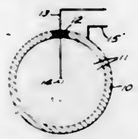
1. In combination with a centrifugal blower having a rotary vaned impeller enclosed within a housing having a central air inlet aperture opening into a space surrounded by said impeller vanes, a dust trap mounted within said space in spaced relation to said housing, said dust trap comprising a receptacle having a mouth disposed in alignment with said air inlet aperture.

2,548,946
PYROTECHNIC DEVICE
Herbert C. Clauser and Robert S. Long, Westerville, Ohio, assignors to The Kilgore Manufacturing Company, Westerville, Ohio, a corporation of Ohio
Application November 1, 1947, Serial No. 783,559
2 Claims. (Cl. 102—37.2)



1. A pyrotechnic device comprising in combination, an elongated block having a series of transversely disposed ports therein and spaced from one another in spiral relation along the length of the block, one end of each port extending to the outer surface of block, an explosive in each of the ports, said block having a longitudinally extending channel, a fuze in said channel, the opposite end of each port being in explosive igniting relation with the fuze for separately igniting each of the explosives and at a different time as the fuze burns.

2,548,947
PRESSURE MEASURING DEVICE
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 12, 1946, Serial No. 653,865
5 Claims. (Cl. 177—352.7)

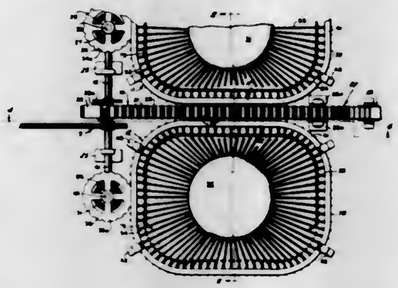


1. A device for use in measurement of pressure changes due to the detonation of an explosive charge comprising a steel spherical sheath substantially entirely of uniform thickness over its entire surface and deformable by pressures incident to detonation of said charge, resistance means within said sheath and variable by said deformation, and means including a conductor insulated from said steel sheath for completing an electrical circuit through said resistance means to said sheath.

2,548,948
APPARATUS FOR TREATING ARTICLES
William Colburn and Edwin J. Latos, Chicago, Ill., assignors to Grant Advertising Agency, Inc., Dallas, Tex., a corporation of Texas
Application August 16, 1946, Serial No. 691,160
4 Claims. (Cl. 131—88)

1. Apparatus of the type described, comprising a conveyor adapted to operate in a vertical plane and having a straight horizontal reach, a second endless conveyor on one side of said straight reach of said first conveyor, and a third endless conveyor on the other side of said first conveyor,

each of said second and third conveyors lying wholly in a horizontal plane and having, respectively, straight reaches in juxtaposition to the horizontal reach of said first conveyor, fluid dispensing means carried by said second and third conveyors, each of said second and third conveyors adapted to move in curved paths in the horizontal plane of said straight reach of said first conveyor and adjacent the ends of said



straight reach of said first conveyor, and means for operating said conveyors in synchronism whereby when said conveyors are operated said fluid dispensing means will approach the axis of movement of said first conveyor and will move in synchronism with the latter throughout the extent of said straight reach and will recede from the axis of said first conveyor at the end of said straight reach.

2,548,949

POWER TRANSMISSION FOR DUAL WHEEL UNITS OF VEHICLES

Gustave A. Collender, Los Angeles, Calif., assignor to Six Wheels, Inc., Los Angeles, Calif., a corporation of California

Original application November 23, 1945, Serial No. 630,286. Divided and this application April 21, 1947, Serial No. 742,922

3 Claims. (Cl. 180—22)



3. In a vehicle chassis, a framework comprising two longitudinal side members and a rigid structure affording a bearing adjacent the medial center line of said chassis, a propeller shaft journaled in said bearing, an axle shaft unit journaled through each side member and through said structure, a pair of mechanical clutch elements also journaled in said structure and drivingly engaged with said propeller shaft, a second pair of clutch elements nonrotatively mounted upon said shaft units and relatively slidable axially thereof with respect to the first mentioned clutch elements, and power take-off devices in the form of dual units connected to said shaft units, each duel unit comprising a member positively connected to its shaft unit at the inner side of the corresponding longitudinal frame member and a frictional coupling to said shaft unit at the outer side of said corresponding longitudinal frame member.

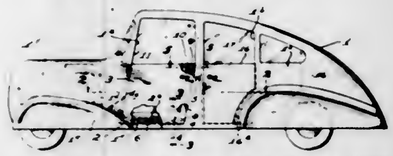
2,548,950

AUTOMOBILE CLOSURE STRUCTURE

James W. Coles, Santa Ana, Calif.

Application April 19, 1946, Serial No. 663,570

3 Claims. (Cl. 296—47)



1. In an automobile, a body provided with an engine compartment at its forward end and a door opening at the side behind the compartment, the wall at the side of the compartment, forwardly of the door opening, being hollow, a door slidably mounted in the opening and adapted, when uncovering the opening, to be shifted forwardly from the opening into the hollow wall, said door being hollow and provided with a slit in its upper edge, and a window so mounted on the door as to be capable of being lowered through the slit into the hollow door, and adapted to be moved with the door clear of the opening in the body.

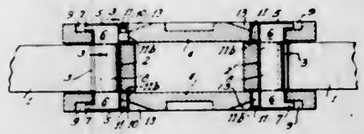
2,548,951

SPROCKET CHAIN

Ernest E. Crane, Chicago, Ill.

Application August 13, 1948, Serial No. 44,207

8 Claims. (Cl. 74—245)



1. A sprocket chain including links equipped with longitudinal slots in end portions thereof, pivot elements each equipped at its ends with projecting flanges connecting said links with companion links with said flanged ends projecting through said slots and the flanges of same overlapping outer face portions of the slotted links bordering the ends of said slots nearest adjacent the ends of said links, the latter equipped with formations co-operating with said flanges to hold the said pivot elements against rotation relative to said slotted links, there being free spaces in said slots between the end portions of said pivot elements and the opposed end walls of said slots constituting pockets, and U-shaped sheet metal key members having parallel side edges disposed within and substantially filling the remainder of said slots with said side edges opposed to said pivot elements and the last-named end walls of said slots, said key members and links equipped with interengaging formations operating to maintain said key members detachably engaged with said links.

2,548,952

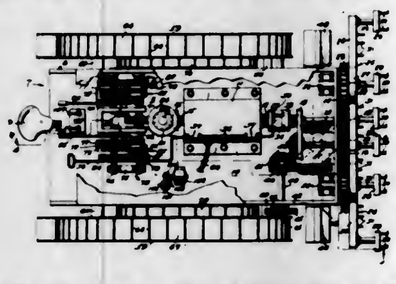
COAL MINING AND CONVEYING MACHINE

Alfred Crossland, West Newton, Pa.

Application August 27, 1948, Serial No. 46,392

2 Claims. (Cl. 262—7)

1. A coal cutting and conveying machine comprising a prime mover, surface engaging rotatable elements driven by said prime mover for propelling the machine, a plurality of vertically disposed rotary cutters rotatably supported on said machine and disposed in advance thereof for cutting a passage ahead of the machine, a driving connection between said vertical cutters and the prime mover, endless conveyors supported at the sides of said machine, power take-off means connecting said endless conveyors to the prime mover for driving the endless conveyors in a direction for causing the upper flights thereof to move rearwardly relatively to the machine, one of said endless conveyors being disposed behind each of said rotary cutters and being adapted to receive and convey the coal



cut thereby to a position behind the machine, and a horizontal cutter rotatably supported beneath said machine behind and between the vertical cutters for cutting out a ridge of coal between the vertical cutters, said horizontal cutter comprising arms extending radially outwardly from its axis and having cutting elements mounted on the outer ends of the arms, and radial brush means carried by said horizontal cutter and extending along the undersides of the arms for brushing the coal cut thereby laterally of the machine and to a position in front of one of said endless conveyors.

2,548,953

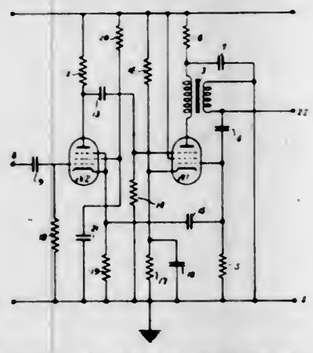
ELECTRIC PULSE GENERATING CIRCUIT

William Henry Crown, Leytonstone, London, and Harold Raymond Whitfield, Ilford, England, assignors to Henry Hughes & Son Limited, Barkingside, England, a company of Great Britain

Application June 7, 1949, Serial No. 97,646

In Great Britain June 18, 1948

2 Claims. (Cl. 250—27)



1. A circuit for generating electric output pulses of short duration from an electric input voltage, said pulses having a fixed time relation to predetermined recurrent variations of said input voltage, said circuit comprising a pulse-generating oscillator valve to generate when operative pulses having a first recurrence period less than the recurrence period of said variations, said valve having an anode, a cathode and at least two grid electrodes for controlling the electron stream between anode and cathode, means to apply a standing bias voltage between said cathode and said grid electrodes to render said valve normally inoperative, a second valve having an anode, a cathode and at least one control electrode, means for applying said input voltage between the last-named cathode and control electrode, load impedance elements connected to the anode and cathode respectively of said second valve and circuit means connecting the anode and cathode of said second valve respectively to said grid electrodes to apply to the last-named electrodes voltages, of which one serves to render said oscillator valve operative at a first instant and the other serves to render said oscillator valve inoperative at a second instant, the time between said first and second instants being less than said first recurrence period.

2,548,954

MEANS FOR MOUNTING INSTRUMENTS

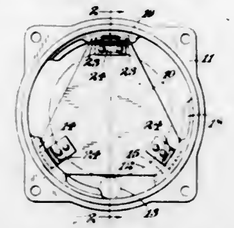
Wilfred Owen Davis, London, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company

Substituted for abandoned application Serial No. 417,843, November 4, 1941. This application August 4, 1947, Serial No. 765,977. In Great Britain July 13, 1940

Section 1, Public Law 690, August 8, 1946

Patent expires July 13, 1960

6 Claims. (Cl. 73—431)



1. An instrument mounting comprising an instrument support, a casing surrounding said support and provided with three inward projections disposed in a common plane, each of said projections being slotted to receive a part of said support, said support being provided with corner portions to contact the bottom of two of said slots, and resilient means carried by the said portions and engageable with the said casing to maintain said contact.

2,548,955

EXCITER SYSTEM FOR THYRATRON POWER INVERTERS AND THE LIKE

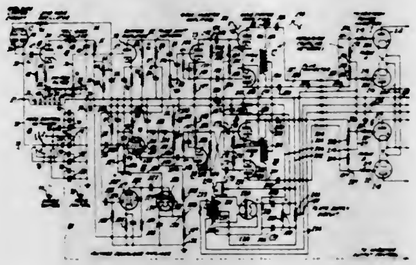
Galan W. Demuth, Moorestown, N. J., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont

Application September 13, 1949, Serial No. 115,526

22 Claims. (Cl. 315—229)

1. An exciter system for thyratron power inverters and the like, comprising in combination, a controlled frequency sine-wave voltage supply circuit, a phase-shift network coupled to said circuit providing two voltages of differing phase in response to an applied voltage from said source, one of said voltages being variable with frequency, equalizer amplifier means coupled to said network for deriving substantially a constant voltage output from said variable voltage and of

equal amplitude with the other of said voltages, a pair of thyratron inverters, and separate channel circuit means coupled with said network and



equalizer amplifier means for applying said equalized voltages to said inverters in predetermined time-phase relation.

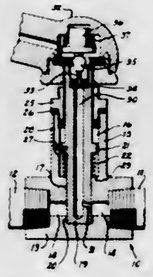
2,548,956
ARTIFICIAL MOLAR TEETH
Ross O. Dickson, Mexico City, Mexico
Application August 8, 1947, Serial No. 767,561
1 Claim. (Cl. 32—8)



In a group of artificial teeth including complementary lower and upper teeth having meeting occlusal surfaces of planar formation, a lower tooth having in its occlusal surface depressions opening to the sides of said tooth and defining four flat topped cusps respectively disposed at the mesial-lingual, distal-lingual, mesial-buccal and distal-buccal corners of the tooth and a narrow ridge extending from a location between the mesial lingual and mesial buccal cusps, between the distal lingual and distal buccal cusps to the distal end of the tooth, and a complementary upper tooth having in its occlusal surface depressions opening to the sides of the tooth defining four flat topped cusps respectively disposed at the mesial-lingual, distal-lingual, mesial-buccal and distal-buccal corners of the tooth, and a narrow ridge extending from the mesial-lingual cusps to a location adjacent the center of the tooth and from such location to the distal-lingual cusps, and providing a groove between said ridge and the mesial-buccal and distal-buccal cusps.

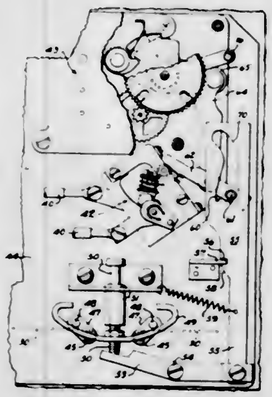
2,548,957
VALVED COUPLING
Stephen P. Di Rosa, New York, N. Y.
Application July 5, 1947, Serial No. 759,189
1 Claim. (Cl. 284—17)

A blow out valve for a fuel line for use with an air hose valve having a valve release means to be actuated by pressure opposed to the air pressure on said air hose valve comprising, in combination, a casing having three intersecting bores therein two of which are adapted for passage of fuel through the casing, a hollow plunger closely fitted for movement in the third of said bores and extending outwardly of the casing, said plunger having one position permitting communication between said two bores and a second position closing communication between said two bores, a seat in said casing constituting a prolongation of said third bore to closely receive an end of said plunger in said second position, the interior of said plunger being open to the exterior of the casing at one end of said plunger, and having an aperture adjacent the other end of said plunger for communication with one of said



two bores, said aperture being closed within said third bore in said one position of said plunger and open to communication with one of said two bores in the second position of said plunger, said aperture opening to communication with said one of said two bores only when said plunger has entered said seat, means biasing said plunger to to said first position with less pressure than that necessary to actuate an air hose valve release means, and air hose valve release means in the bore of said plunger at the end thereof outwardly of said casing.

2,548,958
TOASTER
Stephen P. DiRosa, New York, and Raymond R. Schur, East Rockaway, N. Y.
Application August 12, 1947, Serial No. 768,130
4 Claims. (Cl. 99—327)



1. In a toaster having a pair of vertically arranged, spaced heating elements defining a toasting chamber therebetween having an open top for introduction of a bread slice and an open bottom for gravity discharge of the slice, a switch for the elements, a timing mechanism, and a pivotally mounted gate for said open bottom, the

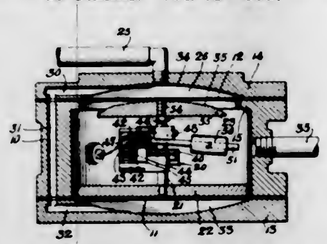
combination of lever means connected to said gate downwardly biased by gravity to open said gate, a yoke to engage said lever means to be lifted to close said gate, a vertically arranged latch bar operatively connected to said yoke to be depressed to raise said yoke and close said gate, said bar having a curved cam surface on an edge thereof and a lock notch above said surface, a detent to engage said bar at said notch and hold it in depressed position, means biasing said latch bar toward said detent for continuous contact therewith, and means interconnecting said bar, switch and timing mechanism to unlock said locking means when said mechanism opens said switch said last means including a pivotal lever and an internal cam surface at a slotted portion of said bar to be engaged by said lever to move said latch bar away from said detent against the action of said biasing means.

2,548,959
SAFETY RAZOR GUARD
Robert Eisenberg and Harry Feuer, Chicago, Ill.
Application July 3, 1947, Serial No. 758,810
3 Claims. (Cl. 30—34)



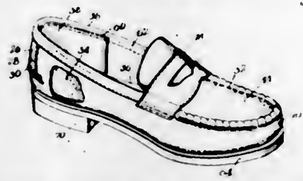
1. A safety razor comprising a rigid guard, a cap for holding a blade against said guard, said cap carrying a bolt passing through said guard, a handle having its upper end screwed upon said bolt and drawing the cap downwardly when tightened, and a resilient skin stretcher under the guard removably fitting about the bolt and the upper end of the handle and comprising a resilient pad having side edge portions protruding from the opposite side edges of the guard.

2,548,960
LIQUID LEVEL GAUGE
Robert E. Ekstrom, Chicago, Ill., assignor to Elematic Equipment Corporation, Chicago, Ill., a corporation of Illinois
Application October 24, 1945, Serial No. 624,224
10 Claims. (Cl. 73—301)



1. A liquid level gauge comprising a pair of diaphragms positioned in spaced relation, means mounted in the space between said diaphragms for actuating an indicator including a movable element bearing at opposite ends against said diaphragms with varying effective areas for actuation thereby but being unattached thereto, means for subjecting the outer faces of said diaphragms to the pressure at the bottom of a tank, and means for subjecting the space between said diaphragms to the pressure at the top of the tank.

2,548,961
EDGE BINDING AND COUNTER CONSTRUCTION FOR MOCCASINS
Wilbur A. Foster, Rowley, Mass.
Application June 29, 1948, Serial No. 35,933
3 Claims. (Cl. 36—11)



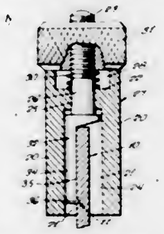
1. A moccasin comprising a one-piece sole and upper member, a forepart plug sewn to said member, a seam closing the rear end of said member to form a heel receiving portion, said member having an upper edge strip turned inwardly of the heel portion and stitched thereto to form a beaded edge, a molded counter stiffener disposed in said heel receiving portion and terminating in spaced relation to the lower extremity of said edge strip; a lining covering said stiffener and terminating directly beneath and in close juxtaposition to said lower extremity and being substantially concealed thereby with the inner surface of said lining forming a substantial continuation of the inner surface of said beaded edge, and a seam securing said lining to said member, said seam running closely parallel to said lower extremity.

2,548,962
GYNECOLOGIC INSTRUMENT IN THE NATURE OF A DIAPHRAGM INSERTER
Byron R. Fox, Kansas City, Mo.
Application August 9, 1948, Serial No. 43,221
7 Claims. (Cl. 128—127)



1. A gynecologic instrument, for applying a diaphragm, comprising an elongated body provided with a transversely disposed indentation across one end thereof, and a notch formed in the side of the body at a point spaced inwardly from the said one end; and a manually shiftable member carried by the body with a portion thereof overlying a portion of the bottom of the notch for lifting the diaphragm therefrom.

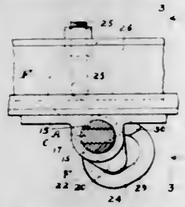
2,548,963
COMBINATION CALIPERS
Walter E. Frankowski, Huntington Park, Calif.
Application November 4, 1949, Serial No. 125,560
1 Claim. (Cl. 33—143)



An attachment for securing a caliper to an adjustable square having a groove between its

longitudinal edges comprising an upstanding frame having a pair of spaced-apart arms depending from the lower end thereof and embracingly receiving the upper adjacent portion of said square, the inner surface of each of said arms being provided with a longitudinal groove extending inwardly from the lower end thereof and terminating at a point adjacent the upper end thereof, said grooves being in registry with each other, an upstanding bolt shank positioned adjacent the upper end of said frame and supported in said frame for sliding up-and-down movement, a clamping element extending longitudinally of and conformably engaging the groove of one of said arms and carried by the lower end of said bolt shank and selectively engageable with the upper end of said adjacent portion of said square, means projecting transversely of said clamping element adjacent to the lower end thereof and embracingly received within the groove of said square, there being a recess formed about said bolt shank in said other end of said upstanding frame, a spring circumposed about said bolt shank and received within said recess for normally biasing said bolt shank toward its upward position, and a nut threadedly supported on said bolt shank and in confronting and bearing engagement with said other end of said upstanding frame for effecting the sliding up-and-down movement of said bolt shank, the confronting end faces of said nut bridging said recess and providing an abutment for maintaining said spring in said recess.

2,548,964
DOOR FASTENER
Henry Fuchs, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 4, 1946, Serial No. 651,730
6 Claims. (Cl. 292—218)



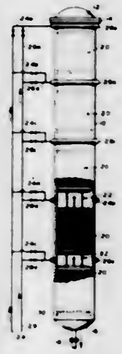
1. In a door fastener for a hinged door of an automobile truck, the combination with a vertically disposed, rotary operating bar mounted on the door; of crank arms at the upper and lower ends of said bar; a crank pin at the outer end of each arm; a radially projecting supporting lug at the outer end of the pin of said lower crank arm; keepers above and below the door with which said crank arms cooperate in forcing the door open or closed, said lower keeper being swiveled at its inner end for both lateral and vertical swinging movement and being manually swingable to horizontal position into engagement with said lower crank arm, said lower keeper having a transverse slot therethrough within which the crank pin of the lower crank arm is engageable, said slot being of a length to permit said crank pin and lug to pass therethrough when in registration therewith; and a stop shoulder on said lower keeper engageable by said lower crank arm when rotated in door closing direction with said pin engaged in said slot for controlling movement of said crank pin in said slot and thereby maintaining said lug engaged underneath the lower keeper.

2,548,965
FLUID FILTER
Richard S. Gaugler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 3, 1947, Serial No. 777,607
14 Claims. (Cl. 210—164)



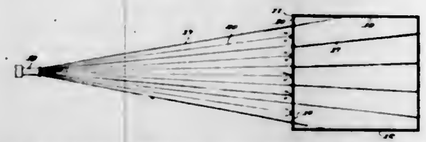
1. A structure through which fluids are passed including an inner pervious braided wire sleeve, a pervious layer of fibrous material surrounding the inner sleeve, an outer pervious braided wire sleeve in the form of an axially extending continuously braided envelope surrounding and retaining the layer of fibrous material, said sleeves having their braided sleeve formation coaxially arranged relative to each other and the layer of fibrous material, an impervious one-piece casing enclosing the sleeves, said casing having inlet and outlet openings, one end of the outer sleeve being sealed to said outlet opening, the opposite end of the inner sleeve being closed.

2,548,966
CATALYTIC REACTOR
Forrest E. Gilmore, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 1, 1949, Serial No. 130,387
10 Claims. (Cl. 23—288)



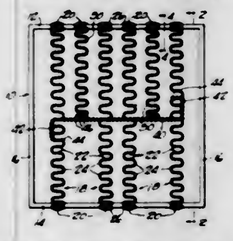
7. A cartridge for containing a mass of particulate material adapted for simple insertion into and removal from a vertical cylindrical fluid-solid contacting chamber which comprises perforate top and bottom horizontal circular plates, vertical connecting rods between said top and bottom plates including stop elements permitting only limited vertical motion of said plates toward and away from each other, and a cylinder attached at its top and bottom to said top and bottom plates respectively along the periphery thereof and composed of mesh permitting an increase in cylinder length and decrease in cylinder diameter on application of vertical tension thereto and an increase in cylinder diameter along at least most of the length thereof on release of said vertical tension when said cartridge is filled with particulate material.

2,548,967
THIRD DIMENSION PHOTOGRAPHIC PROJECTION SCREEN
Arturo Givaudan, Mexico City, Mexico
Application September 16, 1949, Serial No. 115,964
1 Claim. (Cl. 88—28.9)



A projection screen comprising, a plurality of spaced vertically disposed reflecting elements, the spaces between said elements being equal in width to the width of the elements, a casing extending rearwardly from said spaced elements a distance equal to the width of the screen formed by said elements, said casing comprising closed upper, lower, side and rear walls, and having an open end on which the said spaced elements are located, said walls having an opaque non-reflecting material thereon to absorb the image passing through the space between said vertically disposed elements, and a strip, attached to the edge of the opening of the casing to locate the vertically disposed elements in a fixed relation to each other.

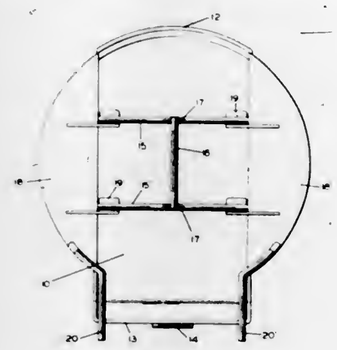
2,548,968
SPRING CONSTRUCTION
Jacob Goldstein, Mishawaka, Ind.
Application October 27, 1945, Serial No. 625,020
5 Claims. (Cl. 155—179)



1. A yieldable spring foundation adapted to receive thereon upholstery, said foundation comprising a frame having opposite members, sinuous outwardly bowed spring elements arching one side of the frame, the ends of said sinuous springs being anchored to the opposite members of the frame, a stiffening rod extending transversely across the sinuous springs, said reinforcing bar being anchored to each of the outwardly bowed springs, inwardly bowed springs between the outwardly bowed springs, the outer ends of said inwardly bowed springs being anchored to a frame member, the inner ends of said inwardly bowed springs being anchored to the reinforcing bar between the outwardly bowed springs and exerting an outward spring pressure on the reinforcing bar.

2,548,969
ASH PAN
Frederick D. Graham, Milwaukee, Wis.
Application December 11, 1946, Serial No. 715,485
3 Claims. (Cl. 126—243)

1. A device of the character described comprising a pan open at its top, said pan consisting of a bottom plate and upwardly extending side and end walls around the outer edge of said plate, transverse cross members extending from one side wall to another, and a pair of wing members, said wing members extending outward from said



side walls, an outwardly extending handle attached to each of said wing members, and engaging means mounted on said wing members for slidably engaging said wing members with said cross members.

2,548,970
LIQUID LIP-ROUGE COMPOSITION
Lorene Grigsby Grate, Miami, Fla.
No Drawing. Application October 22, 1948, Serial No. 56,051
5 Claims. (Cl. 167—85)

1. A liquid lip-rouge composition comprising the following ingredients:

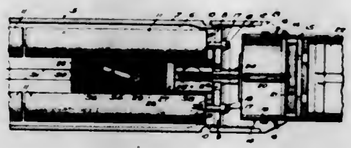
	Per cent by weight
Solvent	50 to 90
Gum benzoin	3 to 40
Cetyl alcohol	1 to 25
Lecithin	1 to 25
Dye	0.05 to 3
Perfume	0.03 to 2

2,548,971
PROCESS FOR PRODUCTION OF STENCIL TISSUE
Ernest Leslie Greenwood, Frederick William Hughes, and Albert William Morledge-Hadfield, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,424. In Great Britain November 22, 1945
3 Claims. (Cl. 154—101)

1. Process for the production of a sheet material which is suitable for use as a duplicating stencil tissue, which comprises forming a web of a weight of at most 1 oz. per square yard of a mixture of regenerated cellulose staple fibers and cellulose acetate staple fibers, moistening said web with a softening agent selected from the group consisting of a 20–30% aqueous solution of a saturated aliphatic alcohol of from 1 to 3 carbon atoms, acetone diluted with 8 to 9 times its volume of water and dioxane diluted with 8 to 9 times its volume of water, and pressing said moistened web at a temperature of 120–150° C. be-

tween layers of fabric whereby the cellulose acetate fibers are bonded one to another without being stuck to the fabric layer.

2,548,972
IGNITER CASE FOR ROCKETS
Nelson T. Grisamore and Alexander Kossiakoff, Cumberland, Md., assignors to the United States of America as represented by the Secretary of War
Application February 8, 1946, Serial No. 646,453
2 Claims. (Cl. 102—49)



1. In a rocket employing a multiple grain charge of smokeless powder as a propellant a cylindrical combustion chamber having a nozzle of constricted cross-section at its rear end, its forward end being of a slightly larger inside diameter to provide an annular shoulder within the said chamber, a plurality of trap rods spaced substantially circumferentially relative to each other and substantially equidistant relative to the combustion chamber walls, a trap plate at the forward end of the combustion chamber positioned on the annular shoulder within the said combustion chamber and provided with a plurality of recesses to support the said rods, and a plurality of cylindrical grains of a propellant material, each having a cylindrical and concentric perforation, strung on each of the said trap rods, an igniter tube centrally located with respect to said trap rods at the forward end of said chamber and adapted to be closed at both ends and provided with radially extending annular means at its forward end for engaging the end surfaces of the propellent grains at the forward end of the combustion chamber, a suitable igniter charge within the igniter tube, and electrically controlled means of igniting said igniter charge.

2,548,973
HAIRPIN
Frederick E. Hambrook, Victoria, British Columbia, Canada
Application July 12, 1949, Serial No. 104,228
2 Claims. (Cl. 132—50)

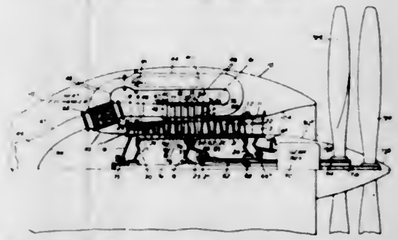


1. A hairpin comprising a bar member of resilient flat strip material having a width appreciably greater than its thickness, said bar member being bent flatwise in a U-bend to define two arms, each having a free end, said arms overlying each other for major portions of their length, said arms, near the free ends thereof, being each curved in the plane of its length and width away from the other, said free ends being thereby widely separated, one of said free ends being reversely curved in a direction toward the other free end.

2,548,974
METHOD OF MAKING RUBBERY ARTICLES
Merrill E. Hansen, Silver Lake Village, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
No Drawing. Application February 13, 1948, Serial No. 8,292
8 Claims. (Cl. 18—58.7)

8. In the method of making a rubbery article deposited on a suitably shaped deposition form directly from an aqueous dispersion of vulcanizable rubber material by means of a coagulant therefor, the steps which comprise exposing the outer face of said article to water vapor at 180°–250° F. at substantially atmospheric pressure to accumulate an aqueous liquid between said article and said form and to vulcanize said article, and simultaneously draining said liquid from between said article and said form.

2,548,975
INTERNAL-COMBUSTION TURBINE POWER PLANT WITH NESTED COMPRESSOR AND TURBINE
William Rede Hawthorne, Silver Spring, Md., assignor to Power Jets (Research and Development) Ltd., London, England, a British company
Application January 31, 1945, Serial No. 575,539
In Great Britain January 31, 1944
7 Claims. (Cl. 60—35.6)



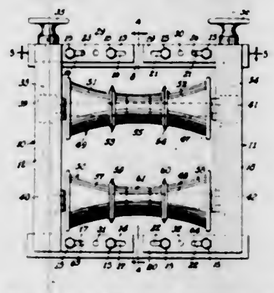
4. An axial flow internal combustion turbine power plant for installation as an aircraft prime mover, operating on the constant pressure cycle with continuous flow, comprising means defining two co-axial annular flow channels nested one within the other, of which the inner channel constitutes a compressor flow channel and the outer a turbine flow channel, combustion chamber means disposed circumferentially about said first-named means, a jet reaction nozzle situated rearwardly (with respect to the direction of motion of the aircraft) of the power plant, and duct means affording flow channels, firstly from the rearward end of the turbine flow channel to said jet reaction nozzle, secondly between the rearward ends of the combustion chamber means and the compressor flow channel and intersecting, or being intersected by, said first-mentioned duct means, and thirdly between the forward ends of the combustion chamber means and the turbine flow channel, said second and third duct means each providing for substantially reversing the flow whereby the flows through the turbine and compressor channels are each in the direction from front to rear, while the flow through the combustion chamber means is in a substantially reverse direction, said first-named means including stator casing means and at least one rotor carrying towards one end at least one row of turbine blades operating in said turbine flow channel and carrying radially inwardly of said turbine blades a greater number of rows of compressor blades operating in said compressor flow channel.

2,548,976
WINDING OF YARNS
Harold Maximilian Hibbert, John Holroyd, and Richard Henry Baines, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application January 22, 1947, Serial No. 723,624
In Great Britain January 25, 1946
10 Claims. (Cl. 28—32)



1. A beaming collar comprising a strip of thick pliant sheet material faced on both sides with a thinner sheet material, the thinner material on both sides projecting beyond one edge of the thicker material in the same direction but to different distances.

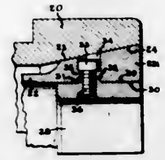
2,548,977
CABLE SHEATH SLITTER
Eugen Jaeger, Kingston, Pa.
Application July 28, 1949, Serial No. 107,241
1 Claim. (Cl. 30—91)



In a cable cutting device, a supporting frame, a pair of horizontal parallel rollers, bearing members in which the ends of the rollers are journaled, a pair of vertical adjusting shafts carried upon the frame having right and left threads formed thereon engaging said bearing members, means for manually rotating the shafts to adjust the distance between the parallel rollers, a pair of circular knives carried by each roller and means for changing the distance between the bearing members to accommodate rollers of different lengths including gauge pins and bolting means said gauge pins being adapted to engage spaced apart pin holes positioned in the supporting frame.

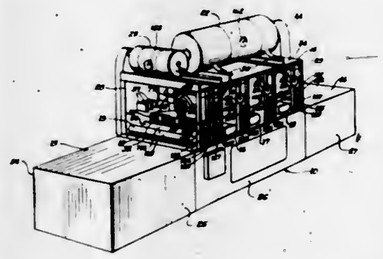
2,548,978
COLLET ASSEMBLY
Alfred F. Jelinek, Cincinnati, Ohio, assignor to Cleveland Automatic Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application June 1, 1948, Serial No. 30,362
3 Claims. (Cl. 279—46)

3. In a collet chuck assembly having a spring finger collet, means engaging said fingers with a tapered bore of a work spindle of a machine containing said collet chuck assembly, and work engaging chuck pads associated with said fingers, means for demountably connecting said pads to said spring fingers comprising radially disposed bores in said fingers, arcuate slots formed in said fingers and intersecting said radially disposed bores, radially movable chuck pins guided in said bores and having cylindrical tapered flange portions received in said arcuate slots, tongues formed on said pads fitting in said arcuate slots, having dovetailed slots formed across said arcuate tongues and engaging over said cylindrical flanged portions of said chuck pins, a locking screw means in said fingers adjustable from the outer face thereof to engage said chuck pins to draw said pads radially outwardly to clamp said pads to said fingers, means effective upon the release



of said locking screw from said chuck pins to limit the radial inward movement of said pins and said pads to a predetermined position to allow axial withdrawal of said pad from engagement of its dovetailed slot from the cylindrical tapered portion of said chuck pin, and further means associated with said locking screw upon further tightening of said screw to lock said chuck pin in said predetermined radially inward position.

2,548,979
RUBBING MACHINE
Harold R. Johnson, Rockford, Ill., assignor to H. Johnson Engineering & Sales Co., Rockford, Ill., a corporation of Illinois
Application May 26, 1949, Serial No. 95,536
12 Claims. (Cl. 51—66)



1. A stationary rubbing machine for workpieces having flat surfaces and comprising, in combination, a base structure having a top workpiece supporting table, framework secured to the base structure and extending upwardy from the workpiece supporting table, rubbing shoe supports carried by the framework at spaced positions longitudinally of the table and each including cross shafts extending laterally and in parallel relationship to the table, rubbing shoes having faces parallel to the table and including supporting bearings mounted for reciprocating movement on said cross shafts, a drive shaft extending longitudinally of the mid-portion of the table at a position spaced above the rubbing shoes, said framework including bearing supports at opposite ends of said drive shaft, bearings carried by said

bearing supports and supporting said drive shaft for rotation, said drive shaft having eccentrics thereon at spaced positions aligned with the rubbing shoes, a slide frame secured to and extending upwardly from each of the rubbing shoes, said slide frames encompassing the drive shaft and having opposed vertical slide tracks therein, bearing means on the eccentrics movable along the slide tracks so that the rubbing shoes reciprocate horizontally relative to the table and the bearing means move vertically relative to the rubbing shoes during rotation of the drive shaft, a prime mover for driving the drive shaft, and means for feeding a workpiece longitudinally of the table.

2,548,980

PRESSURE-SENSITIVE ADHESIVE TAPE

Waldo Kellgren, West St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application February 1, 1946, Serial No. 645,007

1 Claim. (Cl. 117—68.5)

A pressure-sensitive adhesive tape wound upon itself in roll form and comprising a flexible unified fibrous sheet backing, a normally and aggressively tacky water-insoluble pressure-sensitive rubbery base adhesive coating firmly united to one side of the backing, and a thin flexible non-tacky alcohol-insoluble non-thermoplastic resin backsizing coating firmly united to the other side of the backing; said backsizing essentially consisting of a resin reaction product of urea, formaldehyde and butyl alcohol, blended with a castor oil-modified alkyd resin plasticizer which is present in a proportion of the order of one part to each three parts of said urea-formaldehyde-alcohol type resin; said backsizing having been heat-advanced in situ from an alcohol-soluble stage to an alcohol-insoluble non-thermoplastic state, and being inactive to the tacky adhesive to a degree permitting easy unwinding of the tape without delamination or offsetting of adhesive.

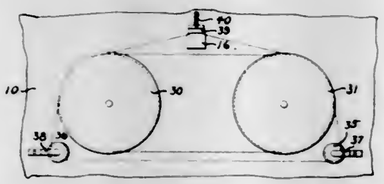
2,548,981

MAGNETIC RECORDER AND WIRE HANDLING MEANS THEREFOR

Jay Sterling Kemp, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois

Application February 20, 1946, Serial No. 648,992

2 Claims. (Cl. 274—4)



1. A magnetic recorder comprising a pair of drums mounted for rotation, a continuous elongated record medium wound successively over first one drum and then another, said drums each having a series of annular grooves therein lying in spaced parallel planes, and a resiliently mounted magnetic transducer head positioned above the normal location of the reaches between said drums, one of the reaches of wire between said drum being lifted above the position of the other adjacent reaches by said transducer head.

2,548,982

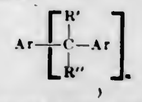
POLYARYL POLYPARAFFINS

Woodrow Ernest Kemp, Montreal, Quebec, Canada, assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada

No Drawing. Application March 18, 1949, Serial No. 82,265

4 Claims. (Cl. 260—668)

1. As new chemical compounds, those having the general formula:



in which Ar is selected from the group consisting of aromatic radicals of the naphthalene series and of the benzene series having from 6–8 carbon atoms, R' is an alkyl radical of from 1 to 3 carbon atoms, R'' is selected from the group consisting of hydrogen and methyl, and n is an integer selected from the group consisting of 2 and 3.

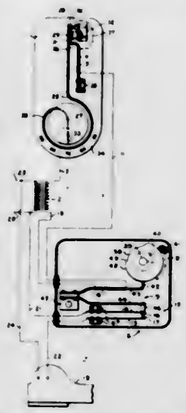
2,548,983

COMPENSATED TEMPERATURE CONTROL SYSTEM

Charles W. Klug, Chicago, Ill., assignor to Productive Inventions, Inc., a corporation of Indiana

Application November 12, 1946, Serial No. 709,360

2 Claims. (Cl. 236—9)



1. A system including a room thermostat, a heat source, a heat source thermostat disposed at the heat source, cam means actuated by said heat source thermostat, a source of electricity, means for controlling the operation of the heat source, switch means electrically connected to the electrical source and to the controlling means for actuating the controlling means, a first thermo-responsive means including ambient temperature compensating means respectively cooperable with said cam means and said switch means, auxiliary thermo-responsive means carried by said room thermostat, heating elements associated with both of said thermo-responsive means and connected to the electrical source so that said heating elements when energized will influence the operation of said thermo-responsive means for controlling the operation of the system in a manner whereby the difference between the ambient temperature and the desired temperature of the room to be conditioned will control the temperature of the heat source.

2,548,984

TOY GUN

Frank A. Lennberg, Jr., Summit Township, Erie County, Pa.

Application February 15, 1947, Serial No. 728,879

9 Claims. (Cl. 124—14)



1. A toy gun comprising a barrel, a bolt slide longitudinally movable in said barrel, an externally extending bolt on said slide for moving it in said barrel, a plunger rod extending through said slide and having a sear catch on the breech end thereof, a washer on the muzzle end thereof and a stop intermediate thereof, a spring between said stop and said slide, a sear for engaging said sear catch on said plunger, said spring being compressed between said intermediate stop and said slide upon forward longitudinal movement of said slide, and a spring urged trigger for releasing said sear catch on said plunger whereby pressure is set up in the muzzle end of said barrel by the washer on said plunger rod to force a projectile therefrom.

2,548,985

SKELETON CARTON

Stephen Lighter, Whitefish Bay, Wis.

Application November 8, 1948, Serial No. 58,861

17 Claims. (Cl. 206—45.31)



2. A skeleton carton comprising, a wall having an integral article engaging flange extending along its edge and inwardly relative to the article engaging surface thereof, said flange consisting of an outer portion formed integral with the adjacent wall edge and an inner portion formed integral with the medial portion of said wall and united at its free edge with the corresponding edge of said outer flange portion, the opposite edge of said inner flange portion being connected to said wall remote from said wall edge by an integral hinge section.

2,548,986

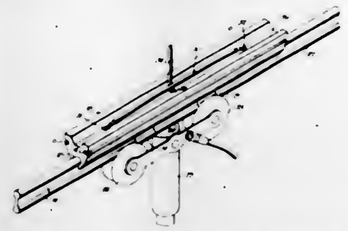
SECTIONALIZED BUS BAR CONSTRUCTION

Wilbur Mayer, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa

Application April 10, 1946, Serial No. 660,946

5 Claims. (Cl. 191—39)

1. A sectionalized bus bar construction having a surface engageable by movable current collectors, comprising an elongate supporting member of insulating material having a continuous bead-retaining groove extending longitudinally thereof, beaded collector-engaging means having a bead along one edge engageable in said groove for support by said member at a point intermediate the ends of said member and having a collector-engaging surface protruding from said groove, a central portion of said means comprising a bus bar section, end portions of said means comprising sections of insulating material, a pair of bus bars each having a beaded end portion insertable endwise into said groove to engage opposite ends of said means, said bus bars and said means when assembled in said supporting member forming a



continuous collector-engaging surface with said bus bar section insulated from said pair of bus bars, means carried by said supporting member for electrically connecting said bus bars, and means carried by said supporting member for connecting said bus bar section to an electric circuit insulated from said bus bars.

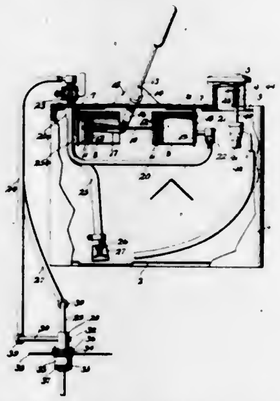
2,548,987

AUXILIARY FUEL TANK AND PUMP

Robert D. Mayo, Flint, Mich.

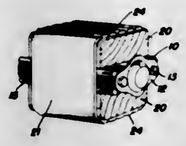
Application August 24, 1949, Serial No. 112,047

10 Claims. (Cl. 226—112)



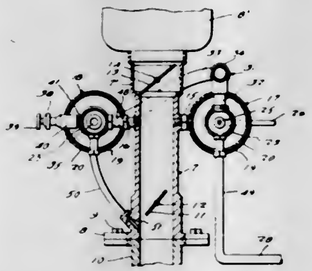
1. In a structure as described, a fuel supply tank adapted to contain liquid fuel; a pump in said tank including a cylinder and piston for withdrawing liquid from the tank and forcing it outwardly, a conduit for carrying liquid pumped, a connection adapted to be applied to a second tank to which the liquid is pumped, said conduit having attachment therewith to deliver the liquid pumped from the supply tank, a second pump within the supply tank including a piston and cylinder, a second conduit connecting said second pump with said connection to the tank to which the liquid pumped is delivered for withdrawing air from the tank to which the liquid is delivered by operation of the second pump, and means for simultaneously operating both pumps one to deliver liquid from the liquid supply tank to the second tank and one for withdrawing air from the second tank and delivering it to the supply tank.

2,548,988
PEDAL LIFT FOR VELOCIPEDES
Robert L. F. McDonald, Rochester, N. Y.
Application January 5, 1950, Serial No. 136,901
3 Claims. (Cl. 74—594.4)



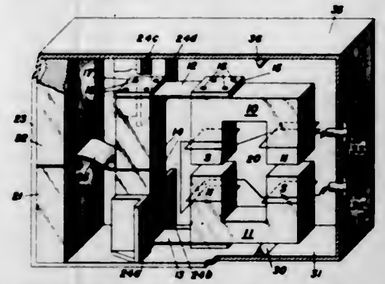
1. A pedal lift for velocipede pedals comprising a pair of blocks, and a tubular elastic band to which the blocks are secured, said band being expansible to permit it to be slipped over a pedal so as to secure the blocks on or to remove them from the pedal, and said band being provided on its outside with a foot-engageable tread portion.

2,548,989
CARBURETION SYSTEM
Henry J. McLeod, Gary, Ind.
Application January 13, 1948, Serial No. 2,072
6 Claims. (Cl. 48—107)



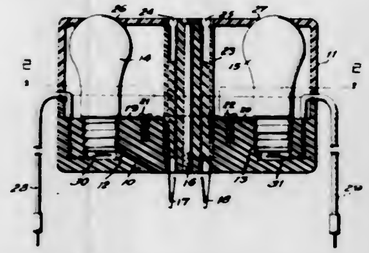
1. In a device for supplying a mixture of air and vaporized liquid fuel to the tube of a carburetor of an internal combustion engine having an exhaust manifold, said device comprising a primary chamber for heating liquid fuel and having atomizing jets at its opposite ends, a liquid fuel force pump connected in supply relation to the jets of said primary chamber, an outlet intermediate the ends of said primary chamber, a secondary chamber having openings at its opposite ends connected to said outlet for further atomizing the fuel received from said primary chamber, said secondary chamber having an outlet intermediate its ends, means adapted to be connected in communication with the exhaust manifold of the engine arranged in heating relation to both of said chambers whereby fuel present in said primary chamber is warmed prior to entering said secondary chamber and whereby the further atomized fuel present in said secondary chamber is sufficiently heated to pass into gaseous form, an outside air inlet intermediate the ends of said secondary chamber for admitting air for admixture to the gas present in said secondary chamber, and a conduit leading said outlet of the secondary chamber and entering said carburetor tube for conveying the gas and air mixture into the carburetor tube, a choke valve in said carburetor tube above the point of entrance of said conduit in said carburetor tube, and a speed valve in said carburetor tube below said point of entrance of said conduit.

2,548,990
INVERTIBLE GEOPHONE
Kenneth W. McLoad, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1948, Serial No. 52,943
19 Claims. (Cl. 177—352)



1. A vibration sensitive device which comprises two vibrating systems, means coupling said vibrating systems for generation of a voltage upon variations in the relative positions of said vibrating systems with respect to each other, and means for selectively immobilizing one of said vibrating systems when said device is in one of two operating positions and for immobilizing the other of said vibrating systems when said device is in the other of its operating positions.

2,548,991
ELECTRICAL CIRCUIT TESTER
James D. McNabb, Los Angeles, Calif.
Application August 13, 1947, Serial No. 768,395
1 Claim. (Cl. 175—183)



A device of the character described comprising a base, a top for said base having a pair of openings therein, a pair of lamps in said base slightly protruding through said openings, a test lead connected to one terminal each of said lamps, a male connector having two prongs each of which is directly connected with one of the other terminals of each of the lamps and said male connector adapted to be inserted in a conventional convenience outlet and a female plug mounted in the top and having each of its leads connected with one of the said other terminals of the lamp male members.

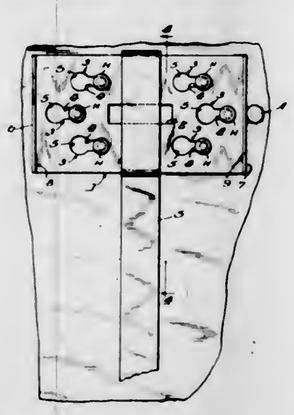
2,548,992
AUTOMOBILE CLOTHES HANGER SUPPORT
Rolla R. McPherson, Washington, D. C.
Application February 10, 1948, Serial No. 7,311
1 Claim. (Cl. 224—29)

A removable support for garments and the like, which is adapted to be placed in the body of an automobile, comprising a vertically disposed standard, a horizontally disposed base on the lower end of said standard, anchors pivoted to said standard immediately above said base and said anchors adapted to engage the body of the automobile for stabilizing the support, an extension adjustably secured to the upper end of said



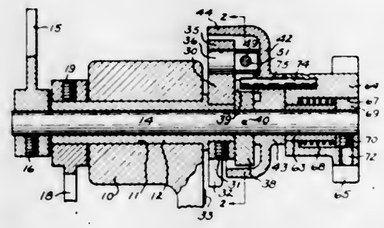
standard, a portion of said extension being twisted at right angles to said support, a toothed bar on the upper end of said extension adapted to receive suspension means for garments and means carried by said standard for fixing said standard to the side of said automobile interiorly of the body of the automobile.

2,548,993
STRAP ANCHOR PLATE
Joseph P. Mierzwa, Chicago, Ill., assignor to A. J. Gerrard & Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,242
2 Claims. (Cl. 24—222)



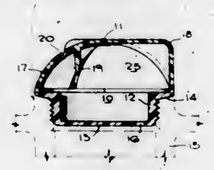
1. In an anchor plate for strapping, the combination of a flat plate member having an elongated slot therein for receiving the free end of a band to be engaged with said plate, said plate having a plurality of relatively narrow openings therethrough extending in the same direction as said slot, and adapted to receive and engage mounting means for mounting said plate on a supporting surface, said openings each terminating at one of their corresponding ends in a relatively large portion of a size to permit free passage therethrough of the respective mounting means, said plate having an outwardly raised portion at the end thereof adjacent the relatively large portions of said openings to provide a tool engageable abutment, and provided with an outwardly raised portion at the opposite end of said plate adapted to be engaged by means secured to such supporting means for preventing said plate from shifting relative to mounting means positioned in the narrow portions of said openings.

2,548,994
MECHANISM FOR TRANSMITTING MOTION
Earle C. Miller and Alan C. Neilson, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 9, 1948, Serial No. 53,666
3 Claims. (Cl. 74—525)



1. A motion transmitting mechanism for connecting an automatic regulator to a controlled device comprising a frame providing a bearing, a sleeve rotatably mounted in the bearing and forming a power output element, a shaft rotatably mounted in the sleeve and forming a power input element, a member rotatably mounted on the shaft, a manually releasable clutch connecting the member to the shaft, a member fixed to the sleeve, and means connecting the two members to one another for rotation in unison and including a screw adjustable manually in effective length to vary their relative angular positions.

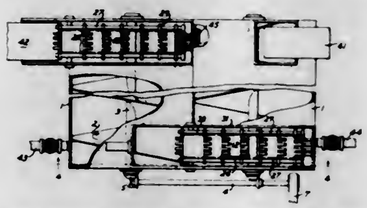
2,548,995
VENT PLUG
Albert Milton Miley, Glenside, and John Edward White, Philadelphia, Pa., assignors to The Electric Storage Battery Company, a corporation of New Jersey
Application February 6, 1947, Serial No. 726,890
2 Claims. (Cl. 136—177)



1. A storage battery vent plug comprising lower and upper molded sections rigidly joined to form a unitary structure and defining a chamber, said lower section including an annular barrel, means on said barrel adapted to secure the vent plug in a battery well, an outwardly extending circumferential flange adjacent the edge of said barrel to which said upper section is joined, key means on said flange, and a baffle of circular outline

across said barrel having an aperture adjacent an edge adapted to furnish communication between said chamber and the interior of a battery cell, said upper section including a body of dome shape having an aperture adjacent an edge remote from said first aperture adapted to furnish communication between said chamber and the surrounding atmosphere, a baffle disposed in a plane normal to said first baffle interrupting the direct line of flow between said apertures, and means on the circumferential edge of said body cooperable with said key means to insure that said apertures are in proper relation when said sections are joined.

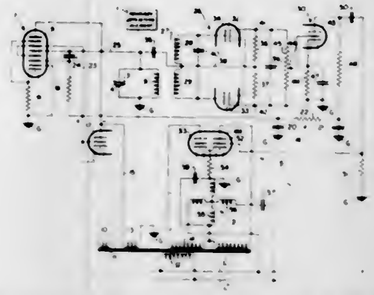
2,548,996
DIFFUSION APPARATUS
Whipple Vincent Morton, San Francisco, Calif.
Application January 8, 1947, Serial No. 720,905
3 Claims. (Cl. 127—7)



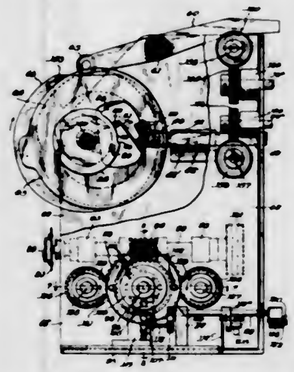
1. A diffusion battery comprising: a series of parallel, adjacent, horizontally disposed cells for containing solids and a liquid for lixiviating the solids, each of said cells being of substantially uniform cross-sectional area throughout its entire length; means for supplying solids into the first cell of the series at one end thereof for movement progressively through the cells in one order; means for supplying liquid into the last cell of the series for movement through the series in an opposite order; a screw conveyor in each cell for moving the solids and liquids along the cells progressively in unitary volumes; endless chain conveyors mounted at the solids discharge end of each cell and provided with combs for transferring solids from each cell to the next succeeding cell; means responsive to the rotation of the screw conveyors for actuating the chain conveyors; and means for transferring liquid from one end of one cell to the adjacent end of next cell in an order opposite the order of movement of the solids between cells.

2,548,997
CONTROL APPARATUS
Woodrow Ne Smith, Dodge, Nebr., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 18, 1945, Serial No. 605,692
10 Claims. (Cl. 250—36)

9. An oscillation generator comprising an electron discharge tube having a plate, a cathode, and at least two grid electrode elements, first and second conductors adapted to be connected, respectively, to the positive and negative terminals of a source of unidirectional voltage, a connection between said first conductor and one of said two grid electrode elements, a third conductor adapted to be connected to one of the terminals of a source of undulating voltage, the other terminal of the last mentioned source being adapted to be connected to said second conductor, a connection including only a resistor connected between said cathode and said second conductor, a connection between said third conductor and said plate, a condenser connected between said two grid electrode elements, and a tunable oscillation circuit connected between one of said two grid electrode elements and said second conductor.

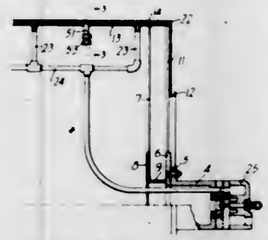


2,548,998
FILM FEEDING MEANS FOR PRINTING MACHINES
Frederic E. Oakhill, Wilmette, Ill., assignor to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois
Original application December 2, 1944, Serial No. 566,310. Divided and this application November 10, 1945, Serial No. 627,820
5 Claims. (Cl. 95—75)



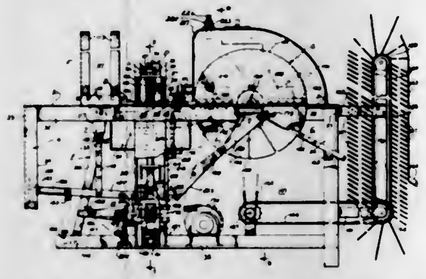
1. The combination in a film printing machine having a printing zone including a light source, of mechanism for intermittently advancing positive and negative films and for exposing the films to the same light source, said mechanism comprising a pair of alternately driven pinions, a pair of upright shafts and pinions thereon meshing with said alternately driven pinions, a cam shaft having mounted thereon a light controlling gate cam, a fogging light housing cam, and a fogging light switch cam, intermeshing pinions on said cam shaft and one of said upright shafts, film driving sprockets, and gearing for driving said sprockets having gearing connections with the other upright shaft, whereby the positive and negative films are advanced through the printing zone in a step by step manner, and are adapted to remain quiescent during the printing operation in which the light controlling gate cam, the fogging light housing cam, and the light switch cam are actuated.

2,548,999
CONTINUOUS INDUSTRIAL FILTER
Edwin L. Oliver, Piedmont, Calif., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application November 7, 1947, Serial No. 784,632
3 Claims. (Cl. 210—202)



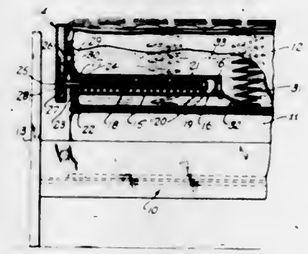
2. A continuous filter including: a shallow filter tank; a filter drum mounted for rotation in said tank and provided on its periphery with a plurality of contiguous filtrate compartments; an automatic filter valve associated with said filter drum for successively subjecting each of said filtrate compartments to sub-atmospheric pressure; a nipple connected to the floor of each of said filtrate compartments and extending into said drum, said nipples serving continuously to establish communication between said filtrate compartments and the interior of said drum.

2,549,000
APPARATUS FOR APPLYING ADHESIVE TO BOX BLANKS AND THE LIKE
Charles E. Palmer, Glenview, Ill., assignor, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application October 9, 1948, Serial No. 53,692
11 Claims. (Cl. 91—47)



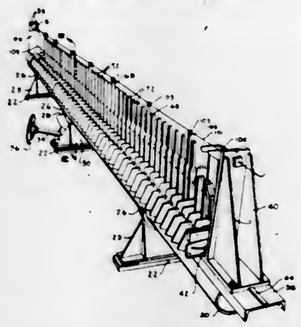
1. In a machine for printing adhesive on a selected area on one side of a carton blank, the combination of a supporting frame, a carton-blank supporting-plate having an opening exposing an area of said carton blank on which adhesive is to be applied, a platen disposed above said plate to permit a carton blank to be inserted in printing position between said plate and said platen, an adhesive container located below said plate, a member vertically reciprocable within said container, a printing pad on said member disposed in registration with said plate opening, mechanism for reciprocating said member to alternately immerse said pad in the adhesive in said container and pass said pad through said plate opening into printing contact with a carton blank in said printing position, means for delivering carton blanks into and discharging them from said printing position, a feeler connected to said reciprocable member for movement in unison therewith and positioned so as to be movable through space normally occupied by a carton blank in printing position, a member engageable and movable by said feeler in the absence of a carton blank from said printing position, and means controlled by said member for effecting elevation of said platen in the absence of a carton blank from said printing position.

2,549,001
BEDCLOTHES HOLDER
Magnus P. Paisson, Wenatchee, Wash.
Application January 10, 1950, Serial No. 137,761
2 Claims. (Cl. 5—320)



1. The combination of a mattress and bed sheet and cover holding means comprising a cylinder housed within the mattress, a plunger reciprocably mounted in said cylinder and projecting outwardly beyond an end of the mattress, a clamp board mounted upon the projecting end of said plunger, and spring means in said cylinder to draw said plunger inwardly of the cylinder and said clamp board in the direction of the mattress.

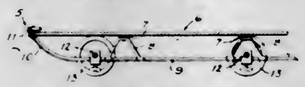
2,549,002
FIXTURE FOR USE IN ASSEMBLING STRUCTURAL PARTS UPON A ROTOR BLADE SPAR
John T. Parsons and Erik R. Brogren, Traverse City, Mich., assignors, by mesne assignments, to Parsons Corporation, Detroit, Mich., a corporation of Michigan
Application June 3, 1946, Serial No. 674,128
5 Claims. (Cl. 154—1)



1. A fixture for use in the mounting of ribs upon a rotor blade spar comprising a linear base member provided at opposite ends with upright end standards having opposed complementary spar engaging means adapted to engage opposite ends of a rotor blade spar and support said spar

on an axial spar line between said standards, a plurality of upright spar supporting standards carried by the base and disposed between and spaced apart and in line with said end standards, a plurality of upright rib positioning standards disposed between and in line with said end standards, each rib positioning standard provided with two rib locating pins adapted to position a rib upon the standard, one of said locating pins extending through the standard spaced from the bottom thereof and provided with releasing means extending therefrom to a point adjacent to the bottom of the standard and means mounting each of said rib positioning standards upon the base for swingable adjustment of its lower end through an arc circumferentially about the axial spar line between the end standards, said base member being adjustably rotatable about its linear axis to swing therewith.

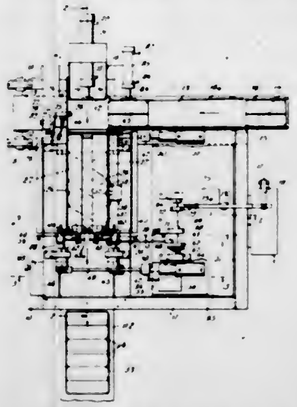
2,549,003
WHEEL ATTACHMENT FOR SLEDS
Joseph C. Pintak, Fairview, N. J.
Application April 8, 1949, Serial No. 86,359
2 Claims. (Cl. 280—8)



1. In combination with a sled structure including a runner for use on icy surfaces, a wheel assembly attachment comprising a U-form yoke having relatively wide walls and joined by a similar transverse member attached thereto, said walls being spaced apart to straddle over said runner in close encompass therewith at a predetermined location thereof, said yoke including a pair of aligned holes in said walls adjacent to the end edges thereof, said yoke also having a screwthreaded aperture in said transverse member aligned with the common axis of said holes substantially at right angles thereto, a thumb nut means screwthreadably operable therein passing from outside of said transverse member to the interior of the yoke to forcibly impress itself against the underside of said runner, an axle passing through said holes in the yoke and projecting on both sides thereof, a wheel rotatable on said axle mounted on one of its projecting portions, said yoke being held to the axle and runner in a position in a plane parallel to that of the runner and so as to position the wheel outside of the sled structure and raise it so the latter will be out of contact with the ground on which the sled is to slidably travel, and the wheel is in rotatable contact with the ground.

2,549,004
PACKING MACHINE
Theodore M. Pomeroy, Jr., Pelham, N. Y., and James R. Graves, Ellicott City, Md., assignors to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey
Application August 14, 1948, Serial No. 44,246
14 Claims. (Cl. 226—19)

1. A machine for packing articles into bags, which comprises means for holding a bag in upright position with its mouth open, a movable floor above the bag mouth, a reciprocating plunger for advancing articles successively along the floor to positions above the bag mouth, the plunger advancing each article partway along the floor with succeeding articles pushing those ahead, means for delivering articles in front of the plunger to be advanced thereby, means for reciprocating the plunger, means operable by an article delivered for causing the reciprocating means to advance the plunger and operable by the

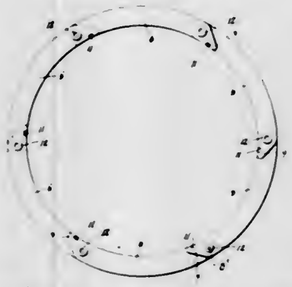


plunger near the end of its advancing movement to cause the reciprocating means to retract the plunger, and means actuated by the leading article at a predetermined position on the floor for causing the floor to move from beneath the article thereon, the articles then descending into the bag.

2,549,005
LARGE GRAIN SMOKELESS POWDER
Ralph F. Preckel, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application November 19, 1945, Serial No. 629,709
1 Claim. (Cl. 102—98)

A large smokeless powder grain having a cellulose acetate inhibitor strip tightly bound to the surface thereof by an adhesive region formed at the interface between the powder and the strip by means of a composition consisting essentially of a solution of about 5% cellulose acetate dissolved in diacetone alcohol acting as a plasticizing solvent for both the powder and the strip.

2,549,006
FOLDABLE WREATH-FORMING FOUNDATION
Roy B. Propst, Los Angeles, Calif.
Application June 3, 1949, Serial No. 96,881
3 Claims. (Cl. 41—12)



1. A foldable wreath foundation consisting of a plurality of flat metal circle segments pivotally

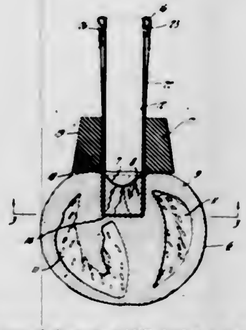
connected at their overlapping ends to form a circular form, each section being curved, said sections being foldable together when one pivotal connection is separated, said sections, at their pivot ends, having notch and kink interlocking means for locking them into a circular form.

2,549,007
WELL PACKER PLUGGING APPARATUS
Thomas M. Ragan, Downey, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application December 22, 1945, Serial No. 636,829
21 Claims. (Cl. 166—13)



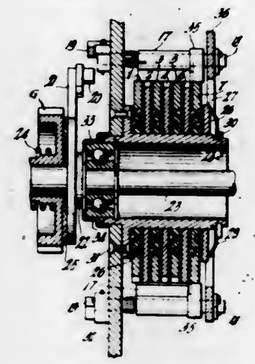
12. Well apparatus, including a tubular housing, a valve element within said housing, a tubular retainer threadedly attached to said housing, said retainer engaging said valve element to prevent its downward movement with respect to said housing, said retainer being rotatable with respect to said housing to shift it longitudinally to valve element releasing position, and coengaging stop means on said housing and retainer for limiting the extent of such longitudinal movement, after release of said valve element, to nonrotatably couple said retainer to said housing.

2,549,008
CORER WITH DEPTH GAUGE
Lawrence J. Rasaka and John R. Gaines, Sacramento, Calif.; said Gaines assignor to said Rasaka
Application November 25, 1947, Serial No. 788,008
1 Claim. (Cl. 30—302)



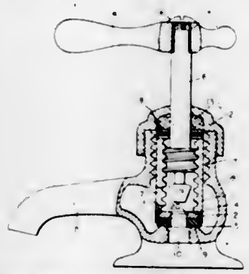
A corer comprising a stiff tube of a size to be held in the hand of a user, said tube being sharp on one end and having diametrically disposed notches on said end and being blunt on the other end, a wire extending across said sharp end of the tube being disposed in said notches and extending along the outside of said tube toward said blunt end thereof, means adjacent said blunt end for holding said wire taut, and a collar of deformable material surrounding and frictionally engaging said tube and the wire extending along the outside thereof.

2,549,009
CODE DISK ASSEMBLY AND BALL BEARING THEREFOR
Leonhard Florens Reinhold, Great Kills, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 13, 1946, Serial No. 690,210
4 Claims. (Cl. 308—22)



1. A ball-bearing assembly for holding a plurality of discs in parallel planes free to assume independent positions of orientation, said assembly comprising said discs, alternate ones of which are channeled with circular ball races on opposite sides thereof and the intervening discs are flat on both sides thereof, a set of balls substantially filling each race, and resilient means for exerting pressure between the outermost discs of the assembly and intervening discs.

2,549,010
REPLACEABLE INSERT FOR VALVES
Albert Rhodes, Cleveland, Ohio
Application April 24, 1946, Serial No. 664,618
2 Claims. (Cl. 251—167)



1. A replaceable insert for valves comprising an internally threaded tubular sleeve counterbored at one end to provide a shoulder, an annular seat washer loosely fitted within such counter-

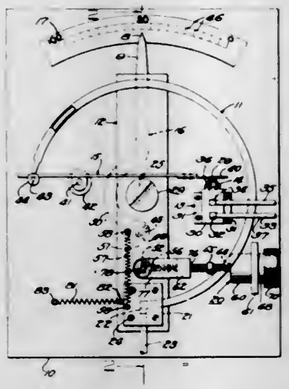
bored end of said sleeve and adapted to engage such shoulder, a valve stem in threaded engagement with said sleeve and provided with a conical valve head thereon reciprocable into engagement within said seat washer and out of engagement with said seat washer in response to rotation of said valve stem in opposite directions in said sleeve, and a resilient ring also in the counterbored end of said sleeve providing a resilient support for said seat washer, said ring having an exposed end surface adapted to be urged into engagement with a valve body by axial force exerted on said ring through said sleeve, shoulder, and seat washer, such resilient supporting of said seat washer by said resilient ring and such loose fit of said seat washer in said sleeve enabling transverse and tilting movements of said seat washer by said valve head to a position coaxial with said valve head upon engagement of said valve head within said seat washer.

2,549,011

CONTROL POINT SETTING AND INDICATING ADJUSTMENT MEANS FOR PNEUMATIC CONTROLLERS

John W. Robins, Westwood, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary association of Massachusetts

Application November 5, 1947, Serial No. 784,279
7 Claims. (Cl. 73—415)



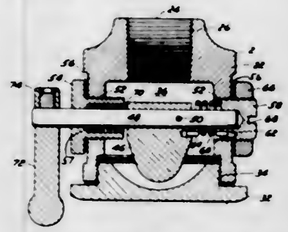
1. In a pneumatic controller wherein a condition value setting indicator requires relatively large indicating movements and a condition value responsive element requires relatively minute setting movements, means for simultaneously effecting said respective movements, comprising, a rotatable screw having a threaded connection with a fixed bracket, a movably mounted support for said condition value responsive element, a connector operatively attached to said support having a threaded connection with said screw, both of said connections being threaded in the same direction, the pitch of the threads of one of said connections being different from the pitch of the threads of the other of said connections, to provide a motion to said connector axially of the screw, when the screw is rotated, which is the algebraic sum of the axial motion of the screw in reference to the bracket and the axial motion of the connector in reference to the screw, and means connecting said screw and said indicator for actuating the indicator from the axial motion of the screw with respect to said fixed bracket.

2,549,012

LIQUID DISTRIBUTING DEVICE AND DOSING MEANS THEREFOR

James D. Robinson, Memphis, Tenn.

Application March 26, 1946, Serial No. 657,213
1 Claim. (Cl. 137—165)



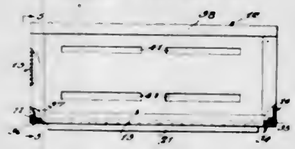
A device for selectively distributing untreated liquid or liquid dosed with a treating fluid, comprising a casing enclosing a chamber having inlet means and first and second outlet means, each of said outlet means having a valve seat on the inner end thereof, a switch valve in said casing for selectively closing against the seat on either one of said outlet means while opening the other, said valve being arranged so that when liquid passes through said chamber and out through one of said outlet means it tends to hold said valve closed against the seat on the other of said outlet means, manually operable means extending externally of said casing for selectively closing said switch valve against either of said seats, a doser in said first outlet means of the type which, when the flow of liquid therepast exceeds a predetermined value, feeds concentrated fluid into said first outlet means substantially in a certain proportion with respect to said liquid flow but when the flow of liquid drops below said predetermined value, feeds said fluid in another proportion, bias means of predetermined force for biasing said valve normally to close said first outlet means, said valve being constructed and arranged so that the liquid pressure developed in said chamber during flow in excess of said predetermined value is sufficient to hold the valve closing said second outlet means against the force of said bias means but is incapable of developing said sufficient pressure when flow therefrom drops below said predetermined value.

2,549,013

SECTIONAL CONTAINER

Enrique Robles and Michael J. Sloyan, Nogales, Ariz.

Application May 7, 1948, Serial No. 25,728
3 Claims. (Cl. 220—4)



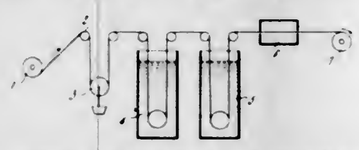
1. A container comprising corresponding side walls having bottom edges provided with inwardly opening channel portions, a container bottom having side edge portions slidably fitting said channel portions, end walls abutting against the ends of said container bottom, interlocking means slidably interlocking the side edges of said end walls to the ends of the side walls and preventing said side walls from being displaced away from one another, said side walls having upper edges provided with longitudinally extending bar portions disposed at an angle to the plane of said side walls, said end walls having tongue portions aligning with the ends of said bar portions, and a cover having downwardly opening channel portions slidably interlocking with the bars of the side walls and the tongues of said end walls.

2,549,014

TREATMENT OF CELLULOSIC FIBERS

Hendrik Romeyn, Jr., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 22, 1945, Serial No. 600,902
2 Claims. (Cl. 28—76)



1. A method of improving the tensile strength of stranded grey cotton fibers which comprises subjecting them to successive contact with two liquids, one being a dilute aqueous ammonia solution, and the other being an organic liquid having the property of dissolving cotton waxes comprising an alkyl acetate the alkyl group having from 3 to 5 carbon atoms, the solvent treatment being carried out at a temperature substantially above 25° C., but not in excess of 150° C., the entire liquid treatment allowing maintenance in the fibers of a substantial proportion of the original cotton waxes, and drying the fibers, and maintaining the stranded fibers under a marked tension materially less than the breaking strength of the untreated stranded fibers during at least part of the liquid treatment.

2,549,015

GRID STRUCTURE FOR REFRIGERATORS

Gust Roud, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application November 10, 1936, Serial No. 110,077
5 Claims. (Cl. 62—108.5)



3. A distortable grid for refrigerator ice freezing trays and comprising a plurality of alternate transverse and longitudinal walls in substantially vertical intersecting planes, interconnecting hinges to permit relative movement upon exertion of a distorting force, and constructed and arranged so that said force is exerted upon a longitudinal wall through a transverse wall.

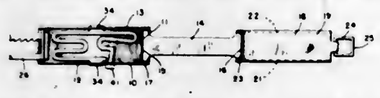
2,549,016

CLASP FOR BRACELETS

Gale A. Rounds, Rapid City, S. Dak., assignor of one-half to Ivan E. Landstrom, Rapid City, S. Dak.

Application February 16, 1949, Serial No. 76,829
5 Claims. (Cl. 24—71)

3. In a clasp, a body, a link pivotally connected thereto, said body and link when the clasp is closed having overlying parts, a slot in one of said parts, an open ended slot in the other of said parts and adapted to register with one end of the slot in the other part, a catch movable in the first named slot and when in one end thereof



clearing the part having the open ended slot and resilient means urging said catch toward the other end of the first named slot and into said open ended slot to latch the parts in closed position.

2,549,017

COATING COMPOSITIONS CONTAINING GLASS FIBERS

Jacob A. Saffir, Kew Gardens, N. Y., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York

No Drawing. Application September 22, 1945, Serial No. 618,055
6 Claims. (Cl. 260—38)

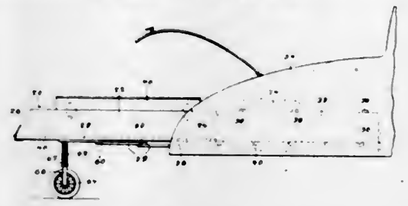
1. A varnish comprising a phenol-formaldehyde resin in a volatile solvent and containing glass fibers dispersed therein in the approximate concentration range of 10% to 17%, said fibers being coated with polyhexamethylene adipamide, said fibers having a diameter in the approximate range of 0.00022 inch to 0.00048 inch, and a length in the approximate range of $\frac{1}{32}$ inch to $\frac{1}{64}$ inch.

2,549,018

AUTOMOBILE STORAGE COMPARTMENT ACCESSORY

Tony Sarlo, Pueblo, Colo.

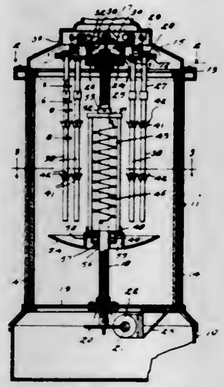
Application January 17, 1946, Serial No. 641,772
1 Claim. (Cl. 296—26)



A device of the character described in combination with a motor vehicle having a rear storage compartment therein comprising a rectangular shaped frame having longitudinally extending track members that is adapted to be mounted in the rear storage compartment of the vehicle, relatively spaced rollers journalled in said track members, a rectangular shaped body adapted to slidably engage the rollers in the track ways so that when in load carrying position said body is extended beyond the confines of the compartment and when in nonload carrying position said body is entirely received into said compartment, a bearing mounted at the rear end of the body, a plurality of links pivoted together end to end pivotally mounted at the lower rear end of the frame by one end of the forward link of said links, the end of the rearmost link having an opening therein to receive the shaft of a trailer wheel so that when said links are fully extended and the shaft has been received in the bearing mounted at the rear end of the body, said links will position said body in load carrying position outwardly

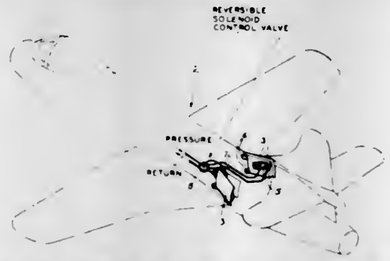
of said frame and said trailer wheel is adapted to support the rear end of the body when in load carrying position.

2,549,019
ROASTING DEVICE
Arthur Saunders, Norfolk, Va.
Application October 17, 1949, Serial No. 121,735
1 Claim. (Cl. 99—341)



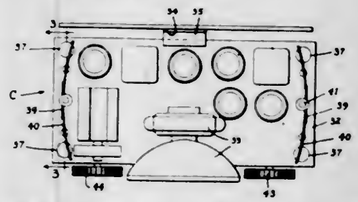
A roasting device comprising a housing, an upright tubular member fixed centrally of said housing, a bearing plate fixed to the upper end of said tubular member, a head plate rotatably mounted on said bearing plate, a drive shaft fixed to said head plate and extending downwardly through said tubular member, a plurality of rotatable shafts dependingly carried by said head plate, a gear on the upper end of each of said latter shafts, a plurality of radially disposed shafts above said head plate, bearings for said radial shafts carried by said head plate, outer gears carried by said radial shafts meshing with said first named gears, a ring gear, means fixedly securing said ring gear relative to said housing in a position overlying said radial shafts, inner gears carried by said radial shafts meshing with said ring gear, food suspension means carried by said depending shafts, a heater about said tubular member confronting said food suspension means, and means for rotating said drive shaft.

2,549,020
AUTOMATIC SPEED CONTROLLER
Mark Robert Seldon, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 10, 1949, Serial No. 75,551
14 Claims. (Cl. 244—113)



1. In an aircraft, a drag producing surface mounted on said aircraft and movable between a zero and high drag position relative thereto, means for actuating said surface, and control mechanism responsive to the relative air speed of said aircraft for automatically controlling said actuating means to limit the maximum air speed of said aircraft including balance means comprising an electrical transducer in a bridge circuit for presetting said maximum air speed and including activating means operatively connected to said actuating means.

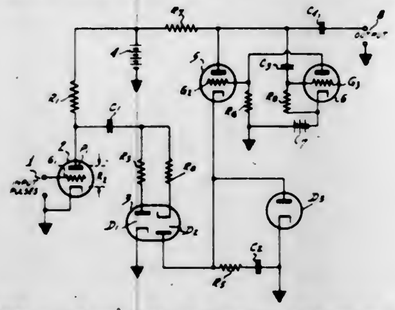
2,549,021
RADIO CHASSIS MOUNTING CONSTRUCTION
Barton T. Setchell, St. Paul, Minn.
Application April 24, 1946, Serial No. 664,491
9 Claims. (Cl. 250—14)



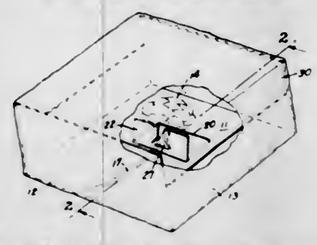
1. A radio chassis support for use in conjunction with a self-contained radio chassis having a radio receiving unit supported thereupon and including control knobs supported on axes arranged in parallel planes and projecting beyond the periphery of the chassis, a cabinet having an open side and a closed side opposite to said open side, a series of substantially parallel posts on said closed side projecting toward said open side, apertures in said chassis designed to accommodate said posts as said chassis is inserted into said cabinet and moved toward said closed side, means on said closed side engageable with said chassis to limit movement of said chassis toward said closed side, resilient means on said chassis, notches in said posts for accommodating said resilient means to lock said chassis from movement longitudinally of said posts in a direction away from said closed side, and slots in said closed side of said cabinet through which portions of said control knobs extend when said chassis is engaged on said posts, said control means being operable from exteriorly of said cabinet through said slots.

2,549,022
INTEGRATING COUNTER CIRCUIT
Eugene R. Shenk and Arthur E. Canfora, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 27, 1945, Serial No. 625,084
9 Claims. (Cl. 250—27)

1. An impulse counting system comprising a first electron discharge tube having an input circuit for receiving the impulses to be counted and an output circuit connected between its anode and cathode, said output circuit including an anode circuit resistor and a direct current source; a first capacitor and a second capacitor; a first unilateral circuit extending from ground through the first tube, through the first capacitor, thence through two resistive elements and through the second capacitor to ground; a second unilateral circuit extending from ground through a third resistive element, through the first capacitor, through said anode circuit resistor and said source to ground; diode rectifier means for rendering said unilateral circuits mutually opposed and conductive only as permitted by the polarity of potential differences along said circuits; and electronic means for dissipating the charge on said second capacitor after it has reached a critical potential, which potential results from the storage of incremental charges on said second capacitor corresponding in number to the impulses to be counted, and said resistors in combination with said capacitors constituting time constant means for introducing a time delay for the charge to build up on said second capacitor, whereby the effects of spurious impulses of shorter duration than the impulses to be counted are minimized.



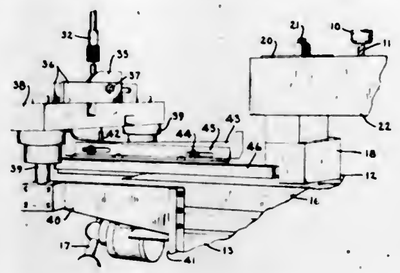
2,549,023
CONTAINER FOR CUT FLOWERS
Daniel Stephen Shinoda, Hayward, Calif., assignor to San Lorenzo Nursery Company, Los Angeles, Calif., a corporation of California
Application March 14, 1949, Serial No. 81,330
2 Claims. (Cl. 206—45.14)



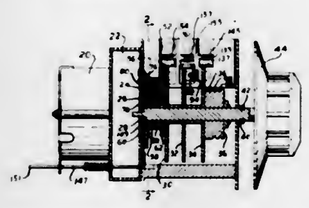
2. A cut flower box in which the bottom forming wall of the box is cut to form a tab, said tab being arranged to be bent with respect to said wall to extend interiorly of the box, said tab having a slot extending inwardly from one edge of said tab and open at said edge, said slot being narrow adjacent said edge and arranged to receive the stem of a flower and having straight side protrusions dividing to a greater width remote from said edge to form a triangular cut-out arranged to receive the calyx of a flower, and a support platform carried by said tab and arranged to extend therefrom at an angle oblique to said tab and in the plane of said slot when said tab is extended interiorly of said box to support the underside of a flower.

2,549,024
CUTTER GUIDE ATTACHMENT FOR FORMING MACHINES
Leonard J. Siepe, Milwaukee, Wis.
Application March 18, 1949, Serial No. 82,147
6 Claims. (Cl. 90—13.5)

1. In a forming machine; a work holder comprising, a first support mounted for reciprocation in one path, and a second support mounted for movement transversely to said first support; a machine tool and means for controlling vertical movement of said machine tool comprising, a first dimension contour mounted for movement with one of said supports and for vertical movement with respect thereto, a first contour follower coacting with said first dimension contour to trace one dimension, a second dimension contour carried by the other support and movable with both of said supports and transversely movable with respect to said first contour, a second contour follower coacting with said second dimension contour for tracing a dimension transverse to said first dimension and transmitting vertical movement to said first contour whereby said first contour follower is responsive to both of said contours, and means for controlling said machine tool by said first contour follower.

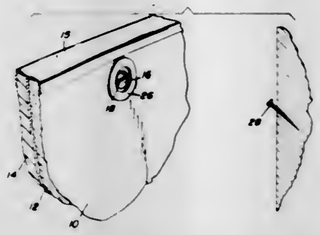


2,549,025
SEQUENTIAL REGULATING DEVICE
Kenneth O. Sisson, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 2, 1948, Serial No. 52,564
13 Claims. (Cl. 74—640)



10. A regulating device including a drive pinion, a rotatable shaft means having a driven gear meshing with said drive pinion, an operating means driven by said shaft means, a sector gear rotatably and coaxially mounted relative to said driven gear, said sector gear having teeth adapted to mesh with said drive pinion, a releasable stopping arrangement cooperating with said sector gear when said sector gear is out of mesh with said drive pinion to hold the sector gear while the driven gear is free to rotate, and manipulating means for rotating said rotatable shaft means and said driven gear and said operating means to another position while said sector gear is being held by said stopping arrangement and for releasing said sector gear from the holding action of said stopping arrangement when said shaft means is in said another position.

2,549,026
HANGER
Clara V. Skidmore, Chicago, Ill.
Application December 1, 1949, Serial No. 130,390
1 Claim. (Cl. 248—29)



A hanger comprising a plate having an aperture therethrough, supporting means secured to said plate and extending across said aperture, said supporting means being of substantially U-shape having a pair of substantially parallel legs and a central connecting portion, and retaining means secured to said plate engaging said central connecting portion, said retaining means having an aperture therethrough in alignment with said first recited aperture.

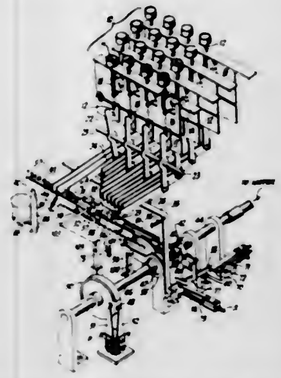
2,549,027
WINDSHIELD WIPER FLUID TRANSMISSION CONNECTION
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application June 25, 1943, Serial No. 492,253
7 Claims. (Cl. 15—250.4)



1. In a windshield wiper cleaning apparatus, in combination, an inner arm section adapted for connection with a wiper actuating shaft, an outer wiper section pivotally supported on the first, and two communicating cleaning fluid conduit sections carried by and extending alongside the respective arm sections, said conduit sections including at their adjacent ends complementary ball and socket joint members whose center of flexure is aligned substantially with the axis of the pivot between the arm sections.

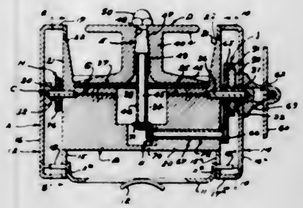
2,549,028
IMPULSE TRANSMITTER FOR ELECTRIC SIGNALING DEVICES
James A. Spencer, Teaneck, N. J., and Leonhard F. Reinhold, Great Kills, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application January 28, 1948, Serial No. 4,866
8 Claims. (Cl. 178—79)

6. A telegraph transmitter including a number of keys one individual to each of a number of characters, means for locking a selected key in an operated position, a commutator adapted to generate equal length signal impulses, a continuously rotating shaft, means responsive to the operation of any one of said keys for clutching said commutator to said shaft, an eccentric adapted to revolve with said commutator a ratchet rack arranged to be reciprocated by said eccentric, a carriage mounted to move along said rack one step in said rack for each reciprocation thereof, a number of key levers each having a notch therein, normally all in alignment over the path of said carriage, the selector of any one



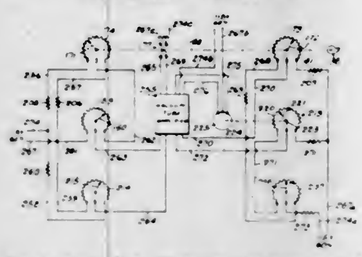
of said keys acting to displace the notch in one of said key levers into the path of said carriage, said carriage carrying a cam surface adapted to lift said key lever, means responsive to the lift of any of said key levers for disabling said clutching means, means for returning said carriage to a position of rest, and a pair of contacts adapted to be connected in series in a signaling line and adapted to be opened by the return of said carriage to said position of rest.

2,549,029
FISHING REEL OF THE TILTABLE SPOOL TYPE
William Dale Stalder, Newhall, Calif.
Application May 23, 1947, Serial No. 750,030
22 Claims. (Cl. 242—84.4)



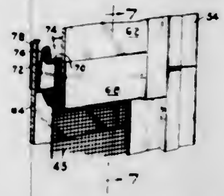
1. A reel of the character described including a frame, a cradle pivotally supported by the frame, a line carrying spool rotatably carried by the cradle, the frame and cradle having parts defining a closed chamber removed from the spool, means operating the cradle to shift the spool between a reeling position where the line engages the spool tangentially and a casting position where the line leaves the spool axially thereof and a manually operated drive for the spool and cradle including cam means confined within said chamber and rocking the cradle a limited amount while the spool is rotated in the reeling position.

2,549,030
GUNFIRE DIRECTOR
Duncan J. Stewart, Rockford, Ill., assignor to the United States of America as represented by the Secretary of War
Application August 22, 1947, Serial No. 770,114
12 Claims. (Cl. 88—1)



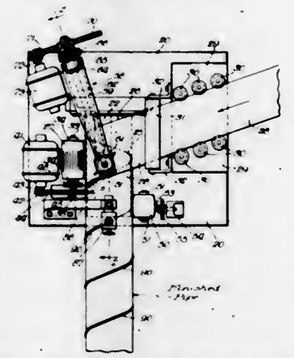
5. In a gun fire director having an element settable in accordance with range, a range servo motor connected to said element to set the same, a first slant range potentiometer winding, a second servo potentiometer winding and a third manually adjustable potentiometer winding, a lead connecting one terminal of a source of A. C. with one terminal each of said first and second windings, a lead connecting the other terminal of said A. C. source with the slider of said third potentiometer winding, a lead connecting the remaining terminal of said first winding with one terminal of said third winding, a lead connecting the remaining terminals of said second and third windings, an amplifier, leads connecting the input of said amplifier with the sliders of said first and second windings, respectively, circuit means connecting the output of said amplifier with said motor to control the same, an electric motor connected to drive the slider of said first winding in accordance with range of a target, an optical range finder, and a driving connection between said range servo motor, range finder and the slider of said second winding.

2,549,031
WINDOW AND SCREEN ASSEMBLY
Joseph Sylvan, Berkley, Mich.
Application June 5, 1948, Serial No. 31,247
3 Claims. (Cl. 20—52.4)



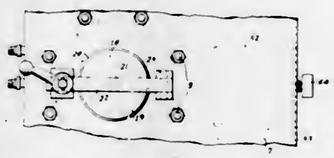
1. A weather strip assembly for the meeting rails of the upper vertically slidable sash and its companion lower vertically slidable sash comprising, in combination, a sealing strip carried by and extending lengthwise of the meeting rail of the upper sash and projecting downwardly therefrom toward the meeting rail of the lower slidable sash providing a V-shaped downwardly open channel between the strip and its meeting rail, said strip having its margin bent upwardly and toward the meeting rail of the lower sash, a cooperating sealing strip carried by and extending lengthwise of the meeting rail of the lower sash and projecting upwardly therefrom toward the meeting rail of the upper sash, said strip having its margin projecting downwardly toward the meeting rail of the under sash and adapted to overlap and engage the upturned margin of the meeting rail of the upper sash.

2,549,032
MACHINE FOR AND METHOD OF MAKING SPIRAL PIPES
James Hall Taylor, Oak Park, Ill., assignor to Taylor Forge & Pipe Works, Chicago, Ill., a corporation of Illinois
Application November 19, 1948, Serial No. 60,951
9 Claims. (Cl. 113—35)



1. In a machine for making spiral pipe from metal strip, a cylindrical former having a helical shoulder, means for winding metal strip in contact with said shoulder and forming it on said former spirally into tubular form with the leading margin of each convolution as it is wound overlapping the following margin of the next preceding convolution, and cutting means effective for cutting through in a common plane the overlapping margins of said convolutions, said cutting means comprising two cooperating cutting members and one of said members extending into said former.

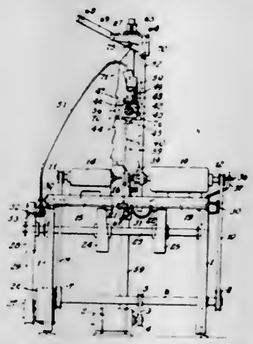
2,549,033
APPARATUS FOR FEEDING POWDERED MATERIAL
Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application September 11, 1946, Serial No. 696,258
6 Claims. (Cl. 302—56)



1. Apparatus for feeding powdered material into a gas stream comprising a gas chamber having a gas inlet and a gas outlet, a hopper for the powdered material located within the gas chamber and having a discharge outlet, a platform leading to said gas outlet and onto which powdered material may be discharged through said hopper outlet, a base, means supporting the hopper on the base so that the hopper can vibrate

freely independently of and relative to the base, resilient means supporting the platform for vibrating movement relative to the hopper, and vibrating means for the hopper and the platform, said vibrating means comprising an electromagnet and an armature one of which is rigidly secured to the hopper independently of said base for free movement in unison with the hopper and the other of which is rigidly secured to the platform for free movement in unison therewith, vibration of the electromagnet and the armature in differing phase relation upon energization of the electromagnet thereby producing simultaneous vibration of the hopper and platform in differing phase relation.

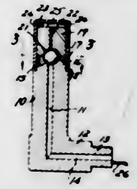
2,549,034
MACHINE FOR MANUFACTURING BUTTONS OUT OF PLATE MATERIAL
Arnoldus Laurentius van der Heiden, Amersfoort, Netherlands
Application August 29, 1947, Serial No. 771,345
In the Netherlands September 13, 1946
5 Claims. (Cl. 79—3)



1. A machine for manufacturing buttons out of a material plate, comprising a frame, a horizontal tool table on said frame, a plate carrier provided with means for holding a material plate hanging vertically down from its underside, said carrier being mounted on said frame and above said table for horizontal and vertical movement in the plane of a material plate carried thereby, means for moving said carrier intermittently and step by step over a definite distance in at least one horizontal direction, a vertical guide plate on said table for guiding the lower side of said hanging material plate, machine tooling devices mounted side by side on said table on at least one side of said guiding plate and facing said material plate, a driving mechanism bringing said tooling devices periodically into working contact with said material plate during the periods of standstill of said carrier, and a clamping member movably mounted on said table adapted to press said material plate against said guide plate when said tooling devices are acting on said material plate, said driving mechanism controlling said carrier moving means and said movable clamping member.

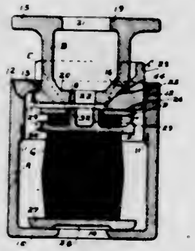
2,549,035
RADIATOR BALL AIR RELIEF VALVE
William J. White, Coxsackie, N. Y.
Application June 2, 1947, Serial No. 751,793
1 Claim. (Cl. 137—122)

A radiator ball air relief valve comprising an L-shaped body part provided with a straight vertical portion and a laterally extending portion and each portion provided with a central opening therein in communication with each other, a reduced threaded projection on the laterally extending portion of the body part for mounting the same, a perforated projection at the outer end of said threaded projection for preventing dirt or foreign matter from entering the valve, and the opening in said laterally extending portion and said threaded projection having its entrance located above the perforated projection, the straight portion of said body part having a semi-spherical seat at the top of the central opening therein, a ball valve adapted to close the seat and to be rolled in the same when acted upon by air pressure, a member secured to the top of the straight portion of the body part having a



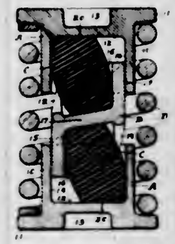
semi-spherical seat and an outlet passage extending therefrom, said member being attached to the straight portion of the body part with the semi-spherical seats opposing each other to form a spherical chamber for containing the ball valve, said ball being adapted to be lifted into the seat of the member when sufficient steam pressure has been built up and after the air has left the body part, and a closure cap adapted to be extended over the member and secured to the upper end of the straight portion of the body part to provide a space above the top of the member wherein moisture may collect and openings in the closure cap elevated above the top surface of the member through which the moisture may be dissipated to humidify the air adjacent said cap openings.

2,549,036
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
William E. Withall, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 27, 1949, Serial No. 89,965
6 Claims. (Cl. 267—9)



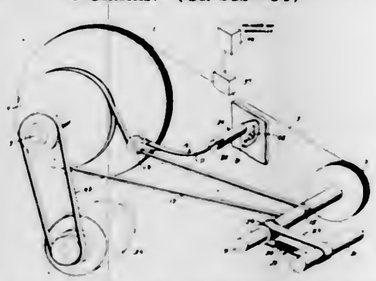
1. In a friction shock absorber, the combination with a friction casing; of a series of friction shoes slidingly telescoped within the casing; a pressure transmitting block in wedging engagement with the shoes; a follower within said casing rearwardly of the shoes, said follower having a forwardly projecting portion engageable by said block to effect movement of said follower inwardly of the casing with said block; a yielding element reacting between said shoes and block; and a second yielding element within the casing opposing movement of said follower inwardly of the casing.

2,549,037
SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
William E. Withall, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 30, 1949, Serial No. 90,653
9 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a pair of friction casings movable lengthwise toward and away from each other; of a friction shoe having opposite ends thereof slidingly telescoped in said casings; yielding means bearing at opposite ends on said casings to oppose relative lengthwise movement of said casings toward each other; and yielding means reacting between each casing and said shoe, yieldingly pressing said shoe against the interior wall of one of said casings at one side of the mechanism and against the interior wall of the other casing at the opposite side of the mechanism.

2,549,038
WINDING AND REELING MECHANISM
Raymond E. Zenner, Brookfield, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application August 16, 1946, Serial No. 690,955
3 Claims. (Cl. 242—54)



1. A winding and reeling mechanism including a first member having a medium receiving portion and a pulley portion, a second member having a medium receiving portion and a pair of pulley portions, a medium wound about said medium receiving portions of said member for transfer therebetween by rotations thereof, a belt loosely wound about the pulley portion of said first member and one pulley portion of said second member to cause driving action therebetween, an idler pulley in operative engagement with said belt and rotatably mounted on a spring strap, means supporting said strap as a cantilever beam biasing said pulley in direction tending to tighten said belt and positioned to cause a substantial change in the direction of travel of said belt, so that rotation of the pulley portion of said one member in one direction causes greater belt forces opposing the action of said strap than rotation in the reverse direction, thus to cause said drive to exert less torque when rotating in said one direction, and a brake band wound about the other pulley portion of said second member to oppose rotation thereof, means fixedly supporting said band at one end and yieldably supporting said band at the other end, thus to cause increased braking action when said drive is rotated in said one direction so as to overcome the driving action of said drive and causing said medium to be held taut regardless of the direction of operation.

2,549,039
SURGICAL PACKAGE
Charles C. Adams, New York, N. Y., assignor to Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York
Application January 4, 1950, Serial No. 136,807
4 Claims. (Cl. 206—63.3)



1. In combination, a sealed suture tube within an inner, open-ended, flexible envelope of a thermoplastic, heat sealable resin composition, an outer sealed envelope of similar material and sterilizing liquid in each envelope.

2,549,040
STERILE SUTURE TUBE PACKAGE
Charles C. Adams, New York, N. Y., assignor to Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York
Application January 4, 1950, Serial No. 136,808
4 Claims. (Cl. 206—63.3)

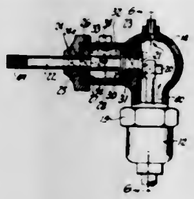


1. In combination, a sealed suture tube within an inner flexible envelope of a thermoplastic, heat sealable resin composition, an outer sealed envelope of similar material, said outer envelope having an inner skirt depending from one end and a sterlizing liquid in both envelopes.

2,549,041
BALL COCK
Edgar V. Anderson, Salt Lake City, Utah, assignor, by decree of court, to Ann Anderson
Application March 31, 1947, Serial No. 738,302
6 Claims. (Cl. 137—104)

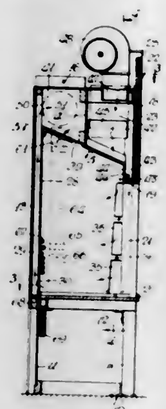
1. A ball cock comprising valve means; seat means for said valve means; a crankshaft having

a crank arm and a crank; a hanger by which said valve member is operatively suspended pendulum-fashion from said crank, said hanger having an effective length such that the valve



means will seat before the crank reaches its uppermost position; and float means operative to seat said valve means, said hanger being bent so that its lower portion is vertically disposed in the seating position of said valve means.

2,549,042
FUME HOOD
Herman P. Angermueller, Cranford, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application September 4, 1947, Serial No. 772,173
3 Claims. (Cl. 98—36)



1. A fume hood comprising, in combination, a housing defining a fume chamber having a service opening in the front wall thereof, an air supply channel above said chamber, a fan for supplying air to said channel, an exhaust channel also disposed above said chamber and connected with said chamber, an exhaust fan connected with said exhaust channel, an air duct extending across said service opening and communicably connected with said air supply channel for flow of air through said air duct to produce a flowing curtain of air extending substantially completely across said service opening, air ducts in the side walls of said housing communicably connected with said air supply channel for flow of air through said side wall air ducts into said fume chamber, a damper in the connection between said exhaust channel and said fume chamber, and an exhaust duct extending along the rear of said fume chamber and connecting said exhaust channel with the base portion of said fume chamber.

2,549,043
GLAZE BREAKER
John R. Arthur, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa
Application May 18, 1948, Serial No. 27,634
1 Claim. (Cl. 51—194)



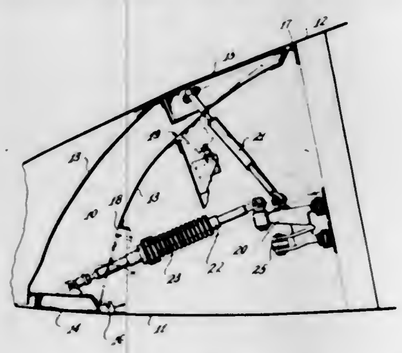
In a device of the class described, the combination comprising, a body member, a plurality of arms extending generally radially outwardly from said body member, a strip of flexible abrasive material substantially covering each of said arms and having edges terminating adjacent said body member on opposite sides of the respective arms, and retaining means on opposite sides of each arm for securing said abrasive strips on said arms, said retaining means comprising, outturned hook means on the adjacent edges of the respective abrasive strips and plate-like clip means having inturned hook means secured to said body member, said inturned hook means being engageable with said outturned hook means.

2,549,044
ROLL CONTROL
Irving L. Ashkenas, Beverly Hills, and Thomas A. Feeney, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 12, 1946, Serial No. 703,040
7 Claims. (Cl. 244—90)



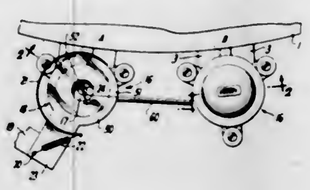
1. A roll control system for airplanes comprising a spoiler member projectable above the upper surface of each wing adjacent the outer end thereof and contoured to provide a rolling moment non-linear with respect to projection distance, control means connected to said members, said control means including means differentially projecting and retracting said members linearly with respect to movements of said control means, an aileron hinged to said airplane and positioned to provide a rolling moment substantially linear with respect to deflection when deflected, and means connecting said aileron to said control means to deflect said aileron non-linearly with respect to movement of said control means at rates providing a total rolling moment substantially linear with respect to movement of said control means.

2,549,045
MEANS OF CONTROLLING WING TIP STALL IN AIRPLANES
Irving L. Ashkenas, Beverly Hills, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application January 26, 1948, Serial No. 4,414
7 Claims. (Cl. 244—42)



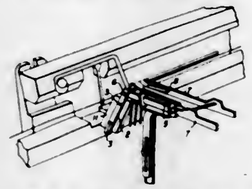
1. In an airplane having laterally extending wing panels, a lift increasing slot adjacent the leading edge of the tip portion of each of said wing panels, upper and lower closures for said slots, closure actuating means, an operating member, closure controlling means on each wing tip for moving said operating member in accordance with the ratio of the difference between dynamic pressure generated by the airstream past the wing tip and the pressure of the boundary layer above the wing tip, to the difference between said dynamic pressure and the pressure of the boundary layer below the wing tip, said member being connected to actuate said closure actuating means at predetermined values of said ratio.

2,549,046
GUIDE FOR ELECTRODE MOUNTS
Harold E. Baker, Danvers, and Charles A. Young, Gloucester, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application December 17, 1949, Serial No. 133,602
5 Claims. (Cl. 49—2)



1. Apparatus for threading the lead wires and exhaust tube of an electrode mount into a chamber therefor in a mount pin of a lamp sealing machine, said apparatus comprising: a funnel having a normally closed gate portion hinged thereon; an arm mounted on said gate portion and extending about a portion of the periphery of said funnel; and means for actuating said arm to effect a closing of said gate after it has been opened.

2,549,047
STOPPING MEANS FOR LOOMS
John E. Benton, near Gordo, and Drew W. Haynie, East Tallassee, Ala.
Application April 1, 1947, Serial No. 738,652
1 Claim. (Cl. 139—372)



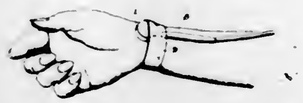
In parts of a loom comprising a supporting bracket, an arm substantially L-shaped mounted swingable in one end of the bracket, a rubber block attached to one end portion of the swingable arm, a shaft supported in the said bracket, the said swingable arm mounted on the said shaft, a coil spring with one end thereof attached to the free end of the arm having the rubber block on its other end, the other end of the spring attached to the body of the bracket, said spring set to normally retain the rubber block at an angle of approximately 85 to 90 degrees to the major axis of the bracket; a loom bracket plate, said plate and one edge of the rubber block adapted to register adjacent each other when in position for use on a loom.

2,549,048
LIQUIDTIGHT CARTON AND METHOD
Frank David Bergstein, Cincinnati, Ohio
Application May 9, 1947, Serial No. 746,965
18 Claims. (Cl. 229—5.5)



1. A carton having a wall, a perforation through said wall, an imperforate flap overlying and covering said perforation, and an interior casting of sealing substance of predetermined amount and substantial thickness covering said wall interiorly and also that portion of said flap uncovered by said perforation, so that when said flap is raised, a portion of said casting substantially outlined by the periphery of said perforation will break away from the remainder of said casting and form a plug in adhesive union with said flap, said plug being re-insertable in said opening.

2,549,049
DIAPHRAGM TYPE BLOOD PRESSURE GAUGE
Howard R. Bierman, San Francisco, Calif.
Application September 28, 1949, Serial No. 118,294
2 Claims. (Cl. 128—2.05)



1. A physiologic pressure measuring device comprising a relatively rigid body member having a flexible diaphragm for direct contact with the skin of a patient, said body and diaphragm

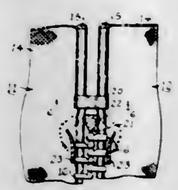
being of a size to allow its placement only over the area of the skin adjacent the point of pressure to be measured, and an electrical resistance wire strain gage bonded throughout its length directly to said diaphragm on the side thereof opposite the side which contacts the skin so as to be responsive to pressure transmitted by the skin against said diaphragm resulting in flexing thereof, said diaphragm and strain gage being of such rigidity that the device exhibits a natural frequency sufficiently high to enable it to respond substantially without distortion to the dynamic pulsations of physiologic pressure to be measured.

2,549,050
RUST PREVENTIVE FILM
John J. Brophy, Salem, and Bernard M. Pineles and Robert C. Putnam, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 22, 1947, Serial No. 736,514
13 Claims. (Cl. 260—32.8)



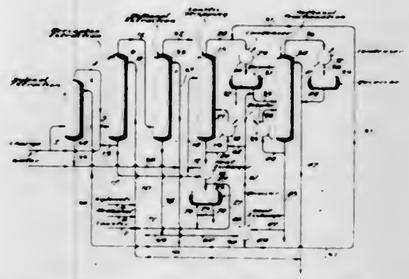
7. A liquid, freely flowing composition comprising from 4 to 6 parts by weight of a non-corrosive, non-drying hydrocarbon oil, 15 parts by weight of a water-insoluble, film-forming colloid from the group consisting of cellulose ethers, cellulose esters and copolymers of vinyl chloride and vinyl acetate containing at least 85% of vinyl chloride, and from 2.5 to 8 parts by weight of glyceryl monolaurate, all dissolved in a volatile organic solvent.

2,549,051
SLIDE FASTENER END STOPPING
Alexander M. Brown, New Britain, Conn., assignor to The North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application November 8, 1946, Serial No. 708,704
2 Claims. (Cl. 24—205.11)



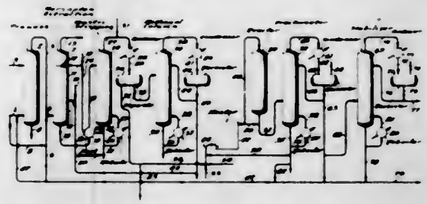
1. In a slide fastener of the class described, a pair of complementary stringer tapes each having a row of scoops thereon said scoops having complementary engageable heads with inclined surfaces, a slider supported on said rows of scoops for sliding movement thereon to engage and disengage said scoops, said slider comprising complementary scoop confining wings connected at their upper ends by a neck, and a top stop connecting said tapes at their upper ends and comprising a member clampingly engaging said tapes at a distance above the upper ends of said rows of scoops exceeding the longitudinal extent of said slider neck, said member having substantially parallel closely spaced jaws tending to maintain the adjacent edges of said tapes in parallelism.

2,549,052
DESULFURIZATION OF HYDROCARBON OILS
Kenneth M. Brown, Hinsdale, and Warren W. Johnstone, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 23, 1948, Serial No. 66,948
8 Claims. (Cl. 196—32)



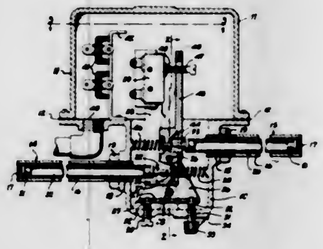
1. A process for removing acidic organic compounds from hydrocarbon oil heavier than gasoline which comprises contacting said oil with an alkali-solvent solution containing from about 2 to about 20 volumes of heavy xylenols per 100 volumes of said solution, and separating treated oil from said solution.

2,549,053
TREATMENT OF HYDROCARBONS
Kenneth M. Brown, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 24, 1948, Serial No. 67,203
11 Claims. (Cl. 196—32)



1. A combination process which comprises treating sour hydrocarbon oil with a caustic-solvent solution, separating from the treating step a mercaptan fraction, simultaneously subjecting a second hydrocarbon oil to a high temperature conversion treatment, supplying said mercaptan fraction to said high temperature treatment to form hydrogen sulfide and hydrocarbon therefrom, and supplying mercaptan-containing hydrocarbons from the high temperature treatment to the first mentioned treating step.

2,549,054
DIFFERENTIAL TEMPERATURE CONTROL SWITCH
Herbert S. Burling, South Orange, N. J.
Application September 21, 1949, Serial No. 117,044
14 Claims. (Cl. 200—137)



1. In a mechanism for the differential control of temperatures in separate temperature zones, in combination, a pair of temperature actuated elements, a pivotally mounted rocking lever, a switch lever and a switch controlling lever both mounted for pivotal movement about a common axis on said rocking lever, each of said elements being operatively associated with a respective one of said switch and switch controlling levers for imparting motion thereto about said common axis upon temperature induced actuation of said elements.

2,549,055
GOLF BAG CLUB HOLDING MEANS
James R. Burton, Jr., Jasper, Ala.
Application August 17, 1950, Serial No. 180,005
2 Claims. (Cl. 150—1.5)

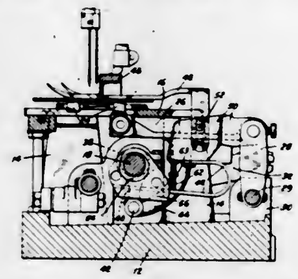


1. Golf club holding means attached to a golf bag comprising, a piece of leather defining a shape having one edge slightly curved inwardly, the opposite edge having a plurality of integral tabs, each of said tabs having a blunt shaped end, said piece having a slit between each tab and the remainder of the piece, the slit edges intersecting the line of the blunt shaped end, said tabs having holes therein for inserting rivets therethrough, the width of said leather piece being substantially equal at its ends and at the widest parts of the said tabs, and being less in width near the blunt ends of the said tabs, said golf club holding means being further characterized by each of said tabs partially overlapping its adjacent tab to form a plurality of loops, rivets inserted through the holes in said tabs where they overlap each other, said rivets holding said tabs together to thus form said loops, said piece of leather being adapted for attaching to the upper open end of a golf bag as golf club holding means therefor.

2,549,056
STABILIZATION OF N,N' DI-SECONDARY-BUTYL p-PHENYLENE DIAMINE
Joseph A. Chenicek, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 27, 1947, Serial No. 737,717
6 Claims. (Cl. 260—577)

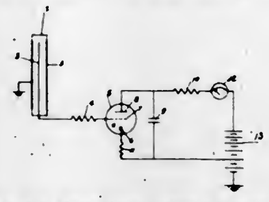
1. N-N'-di-secondary butyl p-phenylene diamine containing from about 0.01% to about 5% by weight of an aldehyde selected from the group consisting of n-butyraldehyde, citronella, heptaldehyde, citral and benzaldehyde.

2,549,057
SEWING MACHINE
Michael Chinnici, Brooklyn, N. Y., assignor to Peerless Sewing Machine Company, Inc., New York, N. Y., a corporation of New York
Application May 8, 1948, Serial No. 25,933
3 Claims. (Cl. 112—207)



1. Feeding mechanism for a sewing machine comprising: a feed dog above the material; means for reciprocating said dog horizontally; and separate means for moving said dog vertically into and out of material-gripping position, said separate means including an eccentric, a block surrounding said eccentric for actuation thereby and provided with a substantially horizontal slot therethrough, and a flat U-shaped metal member having one branch adapted to reciprocate in said slot and its other branch rigidly connected to said feed dog, substantially as set forth.

2,549,058
PORTABLE RADIATION DETECTOR
James M. Constable, Ozone Park, N. Y.
Application January 7, 1949, Serial No. 69,651
8 Claims. (Cl. 250—83.6)



1. A device for detecting penetrating radiation comprising means to convert the radiation into electrical impulses, a gaseous discharge device having input and output means, energizing means connected to said gaseous discharge device, coupling means connecting said radiation converting means to said input means, means to energize said radiation converting means through said

gaseous discharge device, and means connected to said output means and operable to indicate the radiation upon the occurrence of an electrical impulse in said radiation converting means which is automatically impressed on said gaseous discharge device by said coupling means and said input means.

2,549,059

METHOD OF TREATING FIBROUS CELLULOSIC MATERIALS TO IMPART FLAME RESISTANCE THERETO, COMPOSITION THEREFOR, AND PRODUCTS THEREOF

Joseph W. Creely, East Bound Brook, and Theodore F. Cooke, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 1, 1950, Serial No. 141,851

18 Claims. (Cl. 117—103)

1. A method of imparting flame-resistance to a cellulosic textile material of the class consisting of natural celluloses, regenerated celluloses and mixtures thereof, which comprises impregnating said material with an association of an aqueous liquid composition containing ingredients comprising (1) a finely divided oxide of a metal of the group consisting of antimony, bismuth, tin and titanium and (2) a thermoplastic substance containing at least 20% by weight of combined halogen and capable of rupturing under heat at carbon-halogen bonds, the ingredients of (1) and (2) which together are designated hereinafter as (A) being employed in a weight ratio of 1 part of the former to from 0.6–20 parts of the latter, and of an aqueous liquid composition containing an ingredient comprising (B) a compound selected from the group consisting of the guanidine and guanylurea salts of an oxygen-containing polyacid of phosphorus wherein the phosphorus atom has a valence of 5, the ingredients of (A) and (B) being employed in a weight ratio of 1 part of the former to from 0.2–8 parts of the latter, the aqueous composition containing the ingredient (B) having a pH of from about 3 to about 7; heating the impregnated material at a temperature within the range of about 135°–200° C.; and washing the resulting material to remove any residual water-soluble substances therefrom, the total amount of the ingredients of (A) and (B) with which the cellulosic textile material initially is impregnated being such that the finished flame-resistant textile contains from about 10% to about 75% by weight, based on the dry weight of the untreated textile, of wash-fast impregnant.

2,549,060

METHOD OF TREATING FIBROUS CELLULOSIC MATERIALS TO IMPART FLAME RESISTANCE THERETO, COMPOSITION THEREFOR, AND PRODUCTS THEREOF

Joseph W. Creely, East Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 1, 1950, Serial No. 141,852

17 Claims. (Cl. 117—103)

1. A method of imparting flame-resistance to a cellulosic textile material of the class consisting of natural celluloses, regenerated celluloses and mixtures thereof, which comprises impregnating said material with an association of an aqueous liquid composition containing ingredients comprising (1) a finely divided oxide of a metal of the group consisting of antimony, bismuth, tin and titanium and (2) a thermoplastic substance containing at least 20% by weight of combined halogen and capable of rupturing under heat at carbon-halogen bonds, the ingredients of (1) and (2) which together are designated hereinafter as (A) being employed in a weight ratio of 1 part of the former to from 0.6–20 parts of the latter, and of an aqueous liquid composition containing an ingredient comprising (B) a water-soluble, metal-free, nitrogen-containing salt of an amino phosphoric acid having an amino nitrogen atom attached directly to a phosphorus atom, which salt has a melting point of less than 200° C., the ingredients of (A) and (B) being employed in a weight ratio of 1 part of the former to from 0.2–8 parts of the latter, the aqueous composition containing the ingredient (B) having a pH of from about 3 to about 7; heating the impregnated material at a temperature within the range of about 135°–200° C.; and washing the resulting material to remove any residual water-soluble substances therefrom, the total amount of the ingredients of (A) and (B) with which the cellulosic textile material initially is impregnated being such that the finished flame-resistant textile contains from about 10% to about 75% by weight, based on the dry weight of the untreated textile, of wash-fast impregnant.

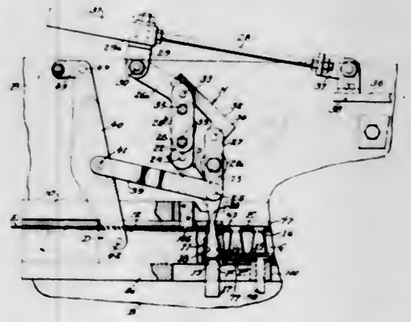
2,549,061

MACHINE FOR SHAPING WIRE STRANDS FOR SCREENS

Florian F. Dauenhauer, Santa Rosa, Calif.

Application August 22, 1947, Serial No. 770,057

16 Claims. (Cl. 140—71)



1. In a wire-shaping machine, a stationary die having a groove associated therewith for receiving a wire, a moveable die having a wire receiving groove therein registering with the first-named groove when the moveable die is in normal position, means for moving the moveable die transversely to the wire and toward the stationary die, a second moveable die having a groove registering with the other two grooves for receiving the wire, means for moving both moveable dies so that the transversely moving die will form a loop in the wire and the stationary die and other moveable die will cooperate with the transversely moving die to form a loop with a closed end and inwardly inclined sides, means for lifting the formed loop above the transversely moveable die, means for moving the raised loop toward and over the stationary die, a loop retaining member placed adjacent to the stationary die and having grooves for receiving the loop that has been advanced by the last-named loop moving means, the loop moving means being returned in its movement to overlie the transverse die during the latter's movement to form the next loop, additional loop-lifting means actuated with the first-named loop

lifting means for freeing the section of formed loops from the loop retaining member and for temporarily connecting the formed loops with said last-named loop moving means, whereby the formed loops will be advanced to a position where another loop can be formed by the transversely moveable die, means for returning the formed loop section to the loop retaining member when said last-named loop moving means has advanced the loop section to a position to permit another loop to be formed, and means for raising the closed end of the loops into a position above the plane of the loops.

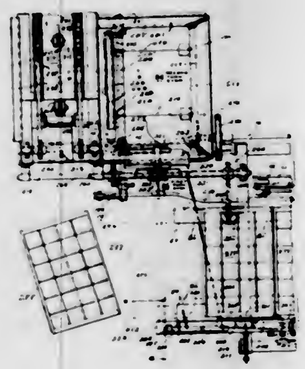
2,549,062

BOTTLE CRATE SHAKER AND CLEANER

Allan C. Davis, Baltimore, Md.

Original application December 30, 1942, Serial No. 470,654. Divided and this application February 6, 1946, Serial No. 645,930

20 Claims. (Cl. 214—1.1)



1. In a machine of the type described, the combination of means for moving open top cases on a predetermined path, means adjacent said path to lift the cases from said path and to turn the cases to inverted position to remove dirt therefrom, means in receiving relation to said turning means to receive the cases from said turning means and to again turn the cases, turning them to upright position and a conveyor in receiving relation to said second turning means to deliver cases from said second turning means, means to detect the presence of cases on said case delivery conveyor in the position in which they are received thereon and means controlled by said detector to delay the operation of the first said turning means, while permitting the continued operation of said first named means and the moving of cases on said path, thereby preventing accumulation of cases on said conveyor.

2,549,063

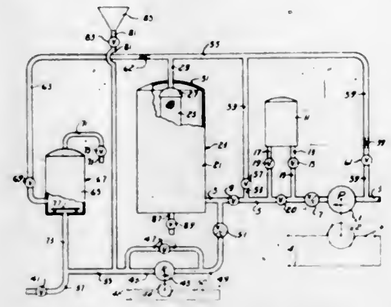
LIQUID SEPARATION METHOD AND APPARATUS

La Vern H. De Haven, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana

Application April 16, 1945, Serial No. 588,655

4 Claims. (Cl. 210—44)

1. The method of treating an emulsion comprising the steps of passing the emulsion through a cake of filter aid material, separating the emulsion liquids, and continuously circulating a portion of the separated continuous phase liquid through said cake.



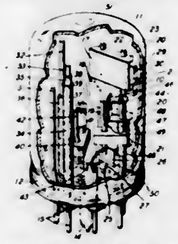
2,549,064

MULTISWITCHING GASEOUS DISCHARGE DEVICE

Wallace A. Depp, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 5, 1948, Serial No. 13,283

18 Claims. (Cl. 250—27.5)



16. An electronic glow discharge device comprising an enclosing vessel, a gaseous filling therein, a main cathode extending across a portion of said vessel, and a plurality of wire anodes in cooperative relation with said cathode, said anodes comprising a main anode and separate initiating and terminating gap elements offset from the main path between said main cathode and said main anode.

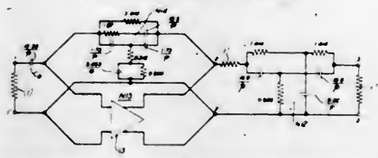
2,549,065

FREQUENCY DISCRIMINATIVE ELECTRIC TRANSDUCER

Robert L. Dietzold, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 2, 1948, Serial No. 57,879

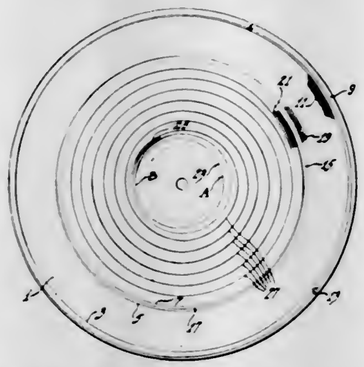
20 Claims. (Cl. 178—44)



1. A transducer with a transfer impedance unrestricted as to roots and poles comprising a stable feedback amplifier, a network in tandem therewith, and a network in the feedback path

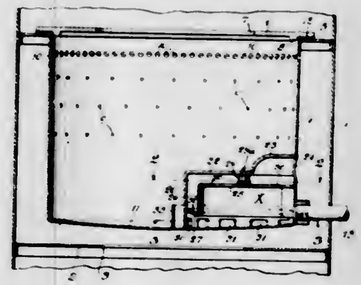
thereof, each of said networks comprising resistors and only a single type of reactor, said tandem-connected network introducing a complex root into said impedance, and the combination of said feedback network and said amplifier introducing a complex pole into said impedance through the reciprocation of said feedback network's transmission function by said amplifier.

2,549,066
TEST PHONOGRAPH RECORD
Lewis W. Dixon, Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1946, Serial No. 677,769
3 Claims. (Cl. 274—42)



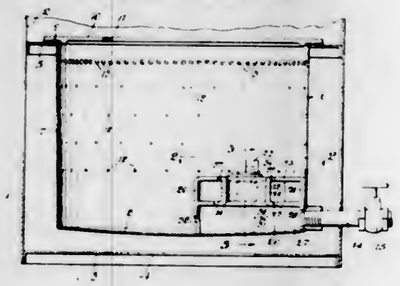
1. A phonograph record for checking the operation of phonographs which are provided with a turntable for supporting records having one or another of two different diameters and a needle for cooperation with records of either of said diameters supported on said turntable and which are operable through a cycle of automatic operations including removal of the needle from one record on the turntable and subsequent replacement thereof on either the same or another record on the turntable, said record comprising a disc having a diameter equal to substantially the larger of said two diameters and adapted to be supported on the turntable of a phonograph to be checked for rotation therewith, said disc having (1) a blank marginal portion spaced from the center of the disc a predetermined distance substantially equal to the outermost radial excursion of said needle during proper operation of said phonograph with records of said larger diameter, (2) a first signal modulated groove disposed radially inwardly from and contiguous to said blank portion, (3) a blank inner portion spaced from the center of the disc a second predetermined distance substantially equal to the outermost radial excursion of said needle during proper operation of said phonograph with records of the smaller of said two diameters, (4) second and third signal modulated grooves each of several turns contiguous to said blank inner portion, one radially outwardly of and the other radially inwardly of said blank inner portion, (5) a terminal groove arranged eccentrically in the central region of said disc for cooperation with the needle of said phonograph to initiate said cycle in accordance with proper operation of the phonograph, (6) a fourth signal modulated groove radially outwardly of said terminal groove, and (7) a groove connecting said third and fourth signal modulated grooves and comprising a spiral having a pitch of substantially the same order of magnitude as the eccentricity of said terminal groove, said record indicating (*a*) proper landing operation of said phonograph for records of said larger diameter only if said needle lands on said blank marginal portion in the course of said cycle and proper landing operation of said phonograph for records of said smaller diameter only if said needle lands on said blank inner portion in the course of said cycle, (*b*) improper landing operation of said phonograph if said needle lands on said first, second, or third signal modulated groove in the course of said cycle, and (*c*) proper cycle initiating operation of said phonograph only if said cycle is initiated following the warning signal provided by said fourth signal modulated groove.

2,549,067
DOWNDRAFT PILOT FOR VAPORIZING OIL BURNERS
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application February 24, 1948, Serial No. 10,257
3 Claims. (Cl. 158—91)



1. In a burner having a pot which includes a bottom wall, a side wall having openings therein and a liquid fuel supply, a pilot structure having wall portions defining, with the bottom of the burner, a mixing chamber closed at the top and sides and in communication with the supply of liquid fuel to the burner, and having additional wall portions which define, with the mixing chamber wall portions, a plenum chamber having a portion overlying the mixing chamber and a second portion surrounding an upper, inner part of the mixing chamber, said surrounding portion extending substantially downwardly and terminating adjacent but above the bottom of the pot, said pilot structure having an air inlet to said plenum chamber registering with an opening in the side wall of said pot and adapted to receive an air supply therethrough, the pilot structure having a plurality of flame outlets located in the lower edge of said mixing chamber, that wall portion of the pilot structure which defines the bottom of the surrounding portion of the plenum chamber having therein secondary air inlet apertures adapted to direct downward jets of air adjacent said flame outlets, that portion of the pilot structure wall separating the upper, inner part of the mixing chamber from the overlying portion of the plenum chamber having primary air inlet apertures therein adapted for the direction of air downwardly into the mixing chamber at points remote from the flame outlet.

2,549,068
PILOT STRUCTURE
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio
Application April 8, 1948, Serial No. 19,718
9 Claims. (Cl. 158—91)



1. For use as a pilot structure for pot type burners a pilot piece having a side wall and a top wall defining an interior space, means for holding the pilot piece firmly in predetermined position within and downwardly against the bottom of a pot burner, said means including a hollow connector member, and means for securing the hollow connector member to the bottom of a pot burner with the interior of said hollow connector member in communication with air below the pot burner, and means mountable on said hollow connector member and engageable with said pilot piece and adapted, when so engaged, to direct a substantial downward thrust upon said pilot piece towards the bottom of a pot burner, when mounted therein, said hollow connector member having a laterally directed air passage adapted for communication with the interior of the pilot piece, when the pilot piece and hollow connector member are operatively assembled.

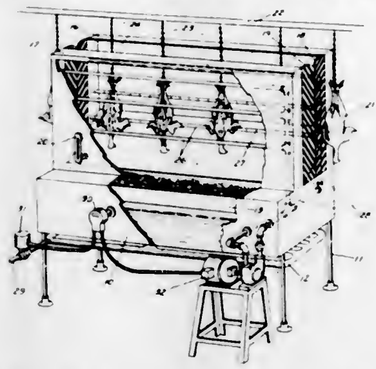
2,549,069
PROTECTIVE PACKAGE FOR PILLS, TABLETS, AND THE LIKE
Alfonso M. Donofrio, Toledo, Ohio, assignor to McKay-Davis Chemical Corporation, Toledo, Ohio, a corporation of Ohio
Application November 1, 1949, Serial No. 124,843
1 Claim. (Cl. 206—56)



A protective package for pills, tablets and the like comprising two sheets of heat-sealable material having laterally offset, reticulated embossings throughout their areas; said sheets being sealed together in spaced, defined, longitudinal and transverse, intersecting zones; the two sheets together being further deformed with interdigitated, opposed, projections and depressions extending in reticulated pattern throughout said zones; the zones marginally surrounding laterally spaced, opposed, unsealed areas of the two sheets between which unsealed areas the package contents are located; the embossings extending continuously over both the sealed and unsealed areas with the interdigitated projections and depressions superimposed thereon in the sealed zones; whereby access to an individual item of contents by tearing across an interdigitated zone and into an unsealed area is facilitated by the excessive and sharp creasing of the material in the interdigitated zones and the continuously extending embossings provide an overall substantially uniform degree of light-transmission through the package.

2,549,070
APPARATUS FOR SCALDING POULTRY
Harry E. Drews, Arlington, Va., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa, a corporation of Iowa
Application April 7, 1944, Serial No. 529,989
4 Claims. (Cl. 17—11.2)

1. A poultry scalding means for use with a chain type conveyor having means for hanging poultry therefrom, comprising a chamber comprised of vertical, parallel side walls, inwardly projecting top walls and flexible adjoining end closures to provide a pair of box-like members opening toward each other, spray pipes on the inner walls of the box having openings therein so placed as to direct water discharged from the spray

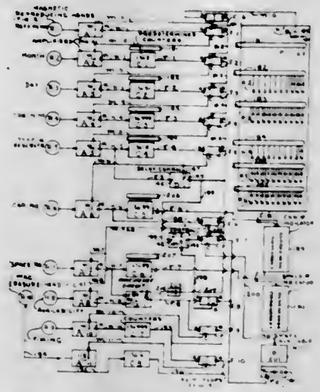


pipes onto the poultry as it passes through the chamber, a main tank below the chamber and means for conducting the water draining from the poultry and the chamber to the tank, means for filtering the water, means for collecting the water, and a pump for recirculating the water through the spray pipes.

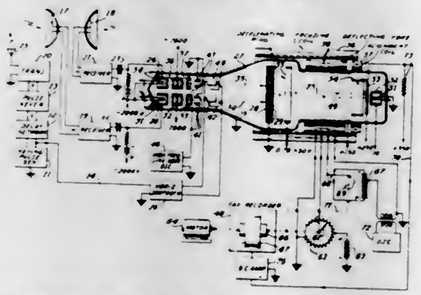
2,549,071
SPACE RESERVATION SYSTEM
Joseph F. Dusek, Long Island City, and Robert J. Fallert, New York, N. Y., assignors to Lawton Products Company, Inc., New York, N. Y., a corporation of New York
Application September 10, 1949, Serial No. 115,078
11 Claims. (Cl. 177—353)

7. An apparatus for reserving accommodations on trains, planes and the like, comprising: a magnetizable surface on which said reservations are recorded as spaced, magnetized areas in channels of information, one said channel recording successive days, other such channels recording for each successive day and according to code number designations, the available trains, planes and the like, and available types of accommodations for each, two other such channels recording in transversely aligned relation for each day and for each train, plane and the like, and each type of accommodation thereof, the number of available units of each type of accommodation; means for displacing said surface past a series of magnetic reproducing heads spaced in conformity with said channels respectively; a series of nor-

mally inactive amplifiers having inputs individual to the electrical outputs of said heads respectively, each said amplifier having a triggering connection for activating the same in response to a potential applied thereto; a series of electronic flip-flop circuits having normally active inputs individual respectively to said amplifier outputs, each said flip-flop circuit having a normally inactive output and a triggering connection therefrom to the next adjacent amplifier of said series, and certain of said amplifiers also having a triggering connection therefrom to the next preceding flip-flop circuit of said series; means for triggering the first amplifier of said series including an additional flip-flop circuit having a normally inactive input and means for transmitting a triggering pulse thereto, and having a normally inactive output and a triggering connection therefrom to said first amplifier, whereby upon activation of said first amplifier the first said head activates the second triggering circuit of said series in response to information recorded on a first channel of said magnetic surface, and whereby said succeeding heads and triggering circuits of said series are actuated seriatum by the remaining channels of information of said surface.

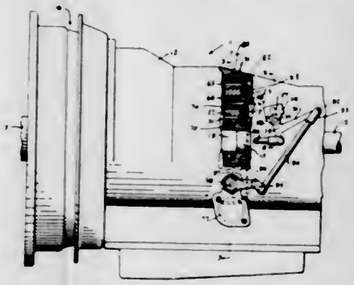


2,549,072
RECORDING APPARATUS FOR RADAR SYSTEMS
David W. Epstein, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1946, Serial No. 650,708
3 Claims. (Cl. 250—150)



1. A cathode ray tube comprising a put-on section and a take-off section, a screen structure common to said two sections which has a luminescent screen surface facing said put-on section and a storage screen surface facing said take-off section, an electron gun in said put-on section for directing an electron beam against said luminescent screen surface, in operation said electron beam forming an image on said luminescent screen which is stored on said storage screen, means comprising an electron gun in said take-off section for taking said storage image off said storage screen in the form of an output signal, said screen structure further comprising a transparent conducting film positioned between said luminescent screen surface and said storage screen surface.

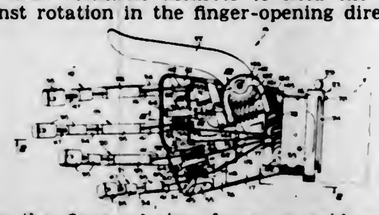
2,549,073
CONTROL FOR AUTOMATIC TRANSMISSIONS
Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application November 14, 1945, Serial No. 628,436
7 Claims. (Cl. 74—752)



1. In a variable speed power transmission, in combination, a power shaft, an intermediate shaft, a load shaft, power transmitting means for driving said intermediate shaft from said power shaft, a multiple planetary gearing system between said intermediate and load shafts comprising planet pinions mounted on a planet carrier rotatably supported about the axis of the intermediate shaft and respectively meshing sun gears, a fluid pressure operated clutch associated with said multiple planetary gearing system automatically supplied with fluid pressure under predetermined conditions of speed to change from one speed ratio to a higher speed ratio, valve means operable to cut off the supply of fluid to said clutch to change from said higher speed ratio to said lower speed ratio, a brake for locking said planet carrier against rotation in either direction to provide a positive connection between said power and load shafts in said lower speed ratio, hydraulic power means for applying said brake, a valve controlling said hydraulic power means, and a manually operable control having positive connections to said first and second valve means to simultaneously operate said two valve means.

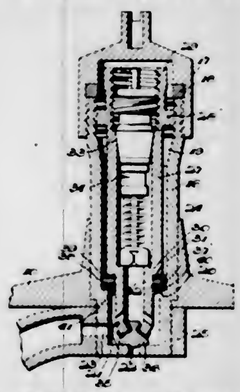
2,549,074
ARTIFICIAL HAND WITH WORM AND GEAR DRIVE TO THUMB
Meyer Fishbein, Los Angeles, and Lawrence J. Stevenson, Hawthorne, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 5, 1948, Serial No. 42,606
15 Claims. (Cl. 3—12)

1. In an artificial hand, the combination of a plurality of articulated fingers that are spring-biased toward the open position, a rotatable member journaled on said hand adjacent the proximal ends of said fingers, tension-transmitting means connecting said member to at least one of said fingers, whereby the latter is pulled closed when said member is rotated in one direction, a force-transmitting control member connected to said rotatable member so as to rotate the latter in said one direction when a force is applied to the control member, a self-energizing releasable friction lock engageable with said rotatable member to hold the same against rotation in the finger-opening direction



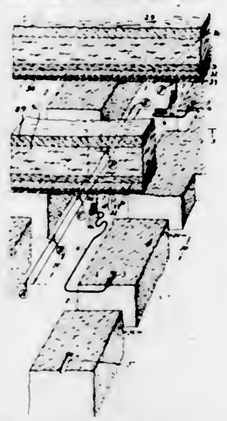
when the finger-closing force on said control member is relaxed, a rotatable alternator wheel journaled on said hand and having alternate high and low cam portions provided thereon, a follower engaging said cam portions and connected to said lock, said follower being inoperative when engaged by one of said cam portions, and operable to release the lock when engaged by the other cam portion, and means operable by successive applications of force on said control member for progressively advancing said alternator wheel so that said follower is alternately engaged by said high and low cam portions.

2,549,075
TIRE VALVE
Wilfred R. Fox, Flint, Mich.
Application April 3, 1947, Serial No. 739,051
5 Claims. (Cl. 277—8)



3. A tire valve including a tubular stem provided at its lower end portion with a chamber having an end port at the lower end thereof as well as a side port located above said end port, a tubular valve plug axially adjustable within the stem outwardly to open position in said stem and inwardly to closed position in said stem and having means for sealing the end port of said chamber, said plug being provided at its lower end portion with a port opening into said chamber to communicate with both of said side and end ports of the chamber in the open position of the plug and with only said side port of the chamber in the closed position of the plug, and a yieldable valve carried by the plug above the port therein and movable by the plug, as it is adjusted inwardly, to be compressed between the plug and stem in the closed position of the plug and seal said chamber at its upper end as well as cut off escape of air from both of said side and end ports of the chamber outwardly through said chamber.

2,549,076
MINE ROOF TESTING
Robert T. Gallagher, Bethlehem, Pa., Cornelius G. Brennecke, Raleigh, N. C., and Robert D. Currie, Trucksville, Pa., assignors to General Reinsurance Corporation, New York, N. Y., a corporation of New York
Application October 25, 1945, Serial No. 624,358
3 Claims. (Cl. 73—67)

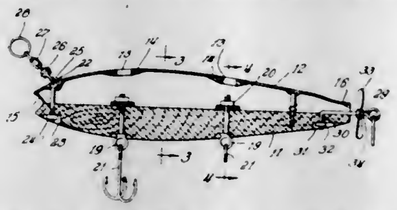


1. The method of testing a mine roof for safety, which includes creating at a first test station a first single train of damped compression waves in an area of rock of known strength, detecting said waves at a pickup point in rock within said area, measuring the effective amplitude of the detected waves, advancing to a second test station in an area of rock of unknown strength, creating in rock at said second station a second single train of damped compression waves, detecting said second waves at said pickup point, amplifying said second waves to a degree which compensates for the difference in normal attenuation of wave transmission characteristics between said first and second stations, and measuring the effective amplitude of the detected and amplified waves created at said second station, whereby the strength of the unknown rock may be determined by comparison of said measurements.

2,549,077
FISHING LURE
Donald H. Garth, Chicago, Ill.
Application October 19, 1945, Serial No. 623,295
2 Claims. (Cl. 43—42.06)

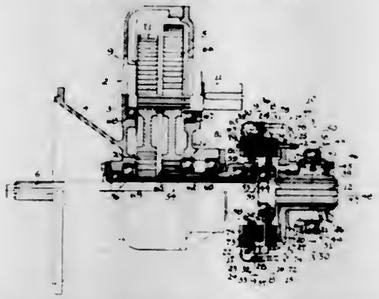
1. In a fish lure of the character described, a solid lower body part of elongated formation having a flat upper surface and a rounded lower exposed surface and a complemental upper body part secured to said lower part over the flat surface thereof to provide an upper compartment, said upper part having a rounded surface corresponding to the rounded surface of said bottom part with the two rounded surfaces presenting a portion of maximum cross section more closely adjacent one end of the lure than the other, said upper part being formed with a pair

of spaced openings, one being located at one side of said maximum cross section and the other



opening on the other side, and means for attaching a line to said lure at the end more closely adjacent to said maximum cross section.

2,549,078
MULTIPLE CLUTCH MECHANISM
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application February 15, 1947, Serial No. 728,843
10 Claims. (Cl. 192—48)

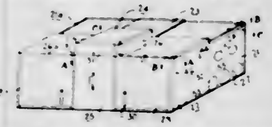


1. In clutch mechanism, a drive member, a pair of clutches, a backing plate structure rigidly secured to said drive member and including a housing adjustably mounting therein backing plates arranged in laterally spaced relation with respect to each other, a shiftable clamping plate structure including a housing mounting at its one end a clamping plate, said two housings being non-rotatably and axially shiftably interengaged with each other by the clamping plate of said clamping plate structure and partly extended into each other to position the clamping plate between said backing plates, tiltable lever means directly pivotally mounted on the housing of said clamping plate structure, and means mounted on the housing of said backing plate structure opposite said tiltable lever means for cooperation with said lever means in shifting the clamping plate structure in opposite directions for selective actuation of either one of said clutches.

2,549,079
COLOR AND STAIN REMOVERS FOR FABRICS
Chester M. Gooding, Staten Island, N. Y., Elliott Morrill, Indianapolis, Ind., and Eugene D. Seiter, Westfield, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 16, 1949, Serial No. 105,264
2 Claims. (Cl. 252—105)

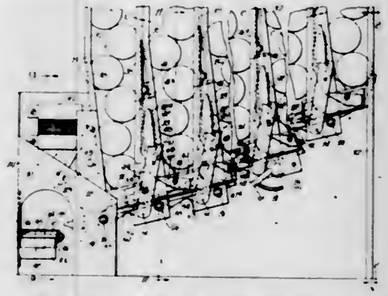
1. A solid dry color and stain remover for fabrics consisting essentially of 100 parts by weight of basic zinc sulfoxylate formaldehyde, 37 to 41 parts by weight of oxalic acid, and 1 to 20 parts by weight of para diisobutyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride.

2,549,080
ANIMAL TRAP
Carlo Grossi, Cleveland, Ohio
Application November 29, 1946, Serial No. 712,891
10 Claims. (Cl. 43—67)



1. In a trap for rodents, the combination of an entrance compartment, said entrance compartment having an inlet for rodents, a bait compartment adjacent said entrance compartment, said bait compartment and said entrance compartment having a common opening, said bait compartment having another opening opposite said common opening, said inlet, said common opening and said another opening being in substantial alignment to provide a clear view and open path therethrough from said inlet, movable closures adapted to close said inlet and said common opening, and means responsive to movement of a rodent in said entrance compartment for moving said closures into closed position.

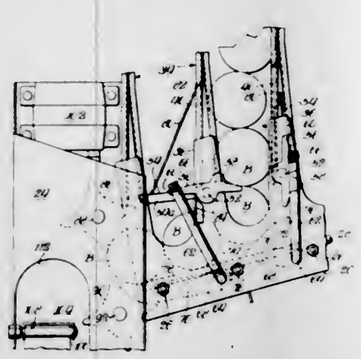
2,549,081
VERTICAL VENDING MACHINE
Clyde W. Hall, Chicago, Ill., assignor, by mesne assignments, to Highway Steel Products Company, Chicago Heights, Ill., a corporation of Illinois
Application January 31, 1946, Serial No. 644,473
9 Claims. (Cl. 312—48)



1. In a gravity feed article vending machine for dispensing a unit number of articles incident to actuation of coin controlled mechanism upon insertion of a coin, the combination of a series of upwardly extending magazines adapted to contain stacks of superimposed articles, an inclined hopper in open communication with the bottom of each magazine for receiving articles therefrom under influence of gravity, said hopper having a discharge end adjacent the lower end thereof toward which articles in the hopper move under influence of gravity, delivery means mounted in registration with the discharge end of the hopper in a position to normally hold the articles in the hopper in opposition to the gravity pressure exerted by said articles, power driven means for controlling the delivery means in response to actuation of the coin controlled mechanism, whereby said delivery means effects a dispensing

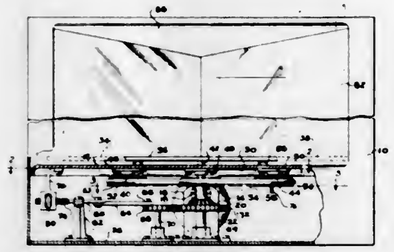
of a unit number of articles from the hopper upon each actuation, separate means associated with the bottom of each magazine and the hopper, adapted to normally block feeding movement down the hopper of articles from the next adjacent magazine, and adapted to be conditioned, incident to feeding of the last article from the magazine, for permitting feeding down the hopper of articles from the next adjacent magazine, said separate means, when its corresponding magazine is empty, being manually movable to operative position for blocking the feed of articles from the next adjacent magazine, for reloading of the corresponding magazine, and a gravity actuated pawl associated with each means for latching said means when it is moved to such position.

2,549,082
VENDING MACHINE
Clyde W. Hall, Chicago Heights, Ill., assignor to Highway Steel Products Company, Chicago Heights, Ill., a corporation of Illinois
Application June 24, 1948, Serial No. 34,915
5 Claims. (Cl. 312—48)



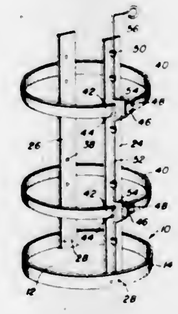
5. In combination with a series of upwardly extending laterally intercommunicating magazines adapted to contain stacks of superimposed articles and an inclined hopper in open communication with the bottom of each magazine for receiving articles therefrom under the influence of gravity, means for releasing articles from said hopper, means for successively discharging the contents of said magazines into said hopper starting with the magazine at the lowest end of said hopper, said discharge means comprising vertically movable means in the bottom of said hopper for each magazine except the first magazine capable in raised position of receiving the gravity thrust of the contents of said magazine and to block feeding movement down into said hopper but movable under the influence of the weight of said magazine contents into lowered position permitting such feeding movement into said hopper, a release member for each magazine except the first magazine swingable into the next preceding magazine only when the latter magazine is empty, and separate means for transmitting the gravity thrust from each blocking means to said release member to keep said blocking member from moving from raised position into lowered position until the next preceding magazine has been emptied.

2,549,083
ROTARY DEVICE
Israel J. Hamilton, Inglewood, Calif.
Application December 14, 1945, Serial No. 635,078
4 Claims. (Cl. 211—1.6)



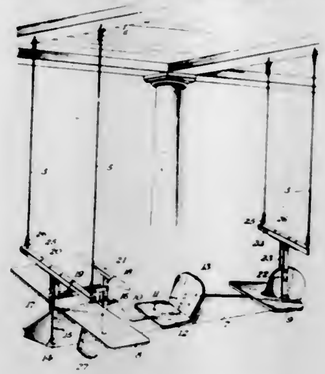
2. In a rotary device having a rotatable support; a plurality of tables mounted on and for rotation with, and at time for rotation relatively to, the rotatable support; a continuously rotated shaft, drive transmission mechanism constantly engaged with said continuously rotated shaft and with the tables; and a stop intermittently operated by the continuously rotated shaft and effective to intermittently arrest rotation of the rotatable support, said drive transmission mechanism being effective to rotate the rotatable support and tables together while the rotatable support is free of said stop and to rotate the tables relatively to the rotatable support while rotation of the latter is arrested by the stop.

2,549,084
CONTAINER VISE
Glen F. Heth, Fort Atkinson, Wis.
Application July 19, 1948, Serial No. 39,401
6 Claims. (Cl. 248—361)



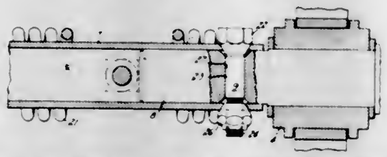
1. A container vise comprising a base member, a first upright and a second upright secured in spaced relationship to each other upon said base member, a plurality of discontinuous bands secured at one end to said first upright, means carried by said second upright for guidingly retaining said bands in spaced parallel relation upon said second upright, and means rotatably secured to said first upright for opening and closing said bands about a container, said last mentioned means including a sleeve carried at the free end of each of said bands, a crank arm including vertically spaced cranks engageably receiving said sleeves, and means for rotatably retaining said crank arm upon said first upright.

2,549,085
OCCUPANT OPERATED SWING
Ralph W. Hines, Cincinnati, Ohio
Application October 10, 1947, Serial No. 779,094
1 Claim. (Cl. 155—65)



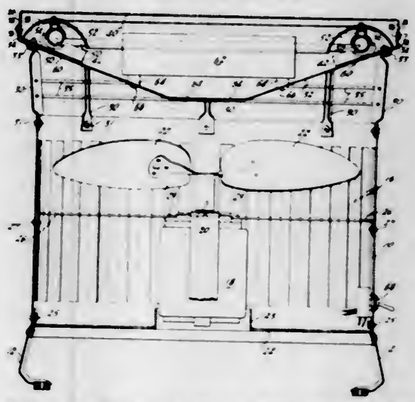
An aeroplane swing, comprising: an elongated longitudinally tapered board-like body having a recess opening through the uppermost edge of the body between the ends of the latter providing a seating space, pairs of spaced upstanding parallel levers pivoted to the body fore and aft thereof, cross-heads on the pairs of levers, respectively, flexible suspension elements detachably connected to the ends of the cross-heads, an upstanding operating lever pivoted to the body adjacent to the fore pair of levers, the pivotal connections of all levers being in substantially the same plane with respect to each other, a pivotal link connection between the operating lever and the fore pair of levers, and laterally projecting wings on the body at the forward and rearward portions thereof.

2,549,086
MEANS OF FASTENING CRANK TO REEL TOOTH BAR TUBE
Paul H. Harrer, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 19, 1949, Serial No. 122,311
6 Claims. (Cl. 287—119)



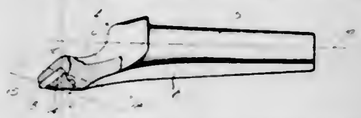
1. In an agricultural implement incorporating a rotatably supported member having a thin walled tubular element mounted for rotation relative to said member and having a crank element with one end portion thereof telescoped within the adjacent end portion of said tubular element and with its other end portion journaled on a rotatable part eccentrically supported for rotational adjustment relative to said member, an improved detachable connection between said crank and tube elements comprising a bore extending straight through said one end portion of said crank element with at least one end of said bore terminating in an outwardly flaring portion, a pair of holes extending through opposite sides of said adjacent end portion of said tube in aligned relation with respect to the opposite ends of said bore with the one of said holes associated with the outwardly flaring end portion of said bore also flaring outwardly, and a fastening element inserted through said aligned bore and holes and presenting an enlarged inwardly tapered end portion extending within said outwardly flaring hole in said tube element.

2,549,087
AIR PURIFIER AND CIRCULATOR
Walter J. Harshbarger, New York, N. Y., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application July 5, 1947, Serial No. 759,025
9 Claims. (Cl. 21—74)



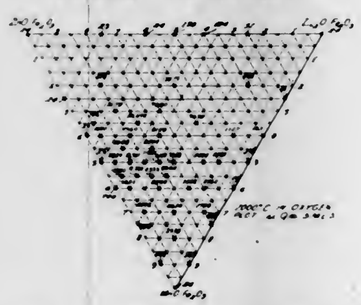
8. A device of the character described comprising a housing including a hollow casing and a cover thereon, air inlet openings near the bottom of the casing, air outlet openings near the top of housing, means within the casing to create a moving air stream into, through and out of the housing, air purifying means within the housing and between the inlet and outlet openings out of the direct path of the air stream and means within the housing and part of the cover member to direct a substantial portion of the air stream from the inlet openings through the area affected by the air purifying means and thence out of the housing through the outlet openings.

2,549,088
REPLACEABLE TOOTH FOR ROTARY EARTH CUTTING MEANS
Henry C. Hettelsater, Whitefish Bay, and George L. Gavin, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 7, 1946, Serial No. 695,376
4 Claims. (Cl. 37—189)



1. In a replaceable tooth for rotary earth cutting means, an elongated attachment shank of slightly tapering frustro-conical form, a stiffening rib starting at the smaller rear end of said shank and extending forwardly along and projecting from the lower side of said shank, an obliquely disposed transverse shovel portion extending forwardly and downwardly from the larger forward end of said shank spreading laterally therefrom on both sides thereof, said stiffening rib also extending forwardly from the forward end of said shank beneath and merged with the lower face of said shovel portion, and a transverse cutting edge on the forward part of said shovel portion disposed entirely below the axis of said shank portion.

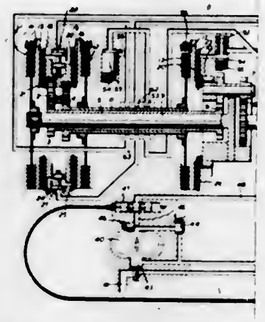
2,549,089
MIXED FERRITE COMPOSITIONS, INCLUDING LITHIUM FERRITE
Imre J. Hegyi, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 15, 1948, Serial No. 65,432
13 Claims. (Cl. 252—62.5)



1. A cubic crystalline ferrite material consisting essentially of the reaction product produced by heating together in a non-reducing atmosphere at temperatures of from about 900° C. to about 1500° C. for from about 1 minute to about 6 hours an intimate mixture of about 30 to about 70 mole per cent Fe_2O_3, about 0.01 to about 32.5 mole per cent Li_2O, about 2.5 to about 30 mole per cent of at least one oxide from the class consisting of ZnO and CdO and about 10 to about 42.5 mole per cent of MnO_2.

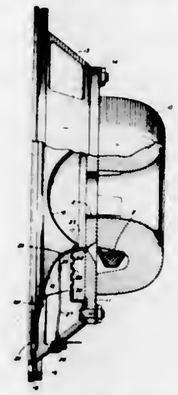
2,549,090
VARIABLE RATIO POWER TRANSMISSION APPARATUS
Howard Frederick Hobbs, Leamington Spa, England, assignor to Hobbs Transmission Limited, Leamington Spa, England, a British company
Application February 17, 1948, Serial No. 8,856
In Great Britain February 19, 1947
20 Claims. (Cl. 74—752)

1. In a variable speed transmission mechanism having an input shaft, a rotary input part connected to the input shaft, an output shaft, gearing elements connected between the rotary part and the output shaft, at least two friction clutch devices having input and output elements, the input elements being carried by the input shaft and the output elements being carried by different elements of the said gearing, at least one friction brake device adapted to have braking engagement with an element of the gearing to provide a required transmission ratio, and fluid-pressure actuated means for rendering said devices effective, the provision of an automatic control apparatus comprising a liquid pressure chamber, means for supplying fluid from the pressure chamber to the means for rendering the friction devices effective, pump means driven by the input shaft and adapted to feed fluid to said chamber, a valve chamber in said rotary part connected to said pressure chamber and having an exhaust opening, a valve member in said valve chamber controlling outlet of fluid through said exhaust opening and thereby controlling the degree of pressure in said pressure chamber, said valve member being urged under centrifugal action to close the exhaust and urged under said fluid pressure to open the exhaust, a non-rotary part, at least one distribution valve in said non-rotary part including at least one movable valve element interposed



between the outlet of said pump on the one hand and the clutch and brake friction devices on the other hand, and movable into different positions in which fluid is applied to the appropriate devices to produce the required transmission ratios said movable valve element being urged by the pressure in the pressure chamber in that direction of movement of the element which will vary the fluid distribution to the clutch and brake friction devices, and detent means for locating the distributor valve element in different positions corresponding to different transmission ratios.

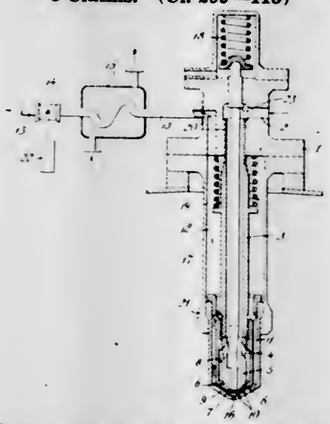
2,549,091
DIAPHRAGM FOR ELECTROACOUSTIC TRANSDUCERS
Harris F. Hopkins, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 25, 1946, Serial No. 705,684
15 Claims. (Cl. 181—32)



6. A direct acting, circular acoustic diaphragm comprising a domed central portion having a diameter of the order of one-third to one-half the overall diameter of the diaphragm, a loga-

rithmically curved frusto-conoidal portion surrounding said central portion and bodily vibratile therewith, a flexible annular mounting portion surrounding the periphery of said frusto-conoidal portion and of less stiffness than said central and frusto-conoidal portions, stiffening corrugations in said frusto-conoidal portion only at regions removed from the margins thereof, and vibrational energy dissipating means upon said annular portion.

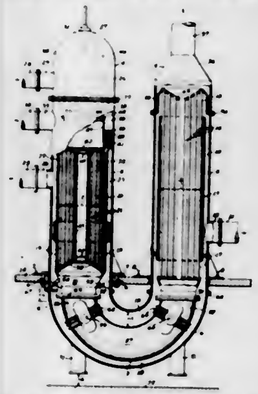
2,549,092
BURNER FOR LIQUID FUELS
Walter Huber, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application June 1, 1944, Serial No. 538,279
In Switzerland October 19, 1943
8 Claims. (Cl. 299—118)



1. A burner for liquid fuel which comprises a supporting structure having conduits for supply and return of fuel and a composite end portion attached to said structure, said end portion consisting of three nested coaxial parts forming a nozzle chamber having an inner end toward said supporting structure, a side wall and an outer end away from said supporting structure, the outermost of said three parts having a nozzle opening centered on the common axis and leading through the outer end of said chamber to the outside, the intermediate of said three parts having a relatively large opening centered on the common axis and forming the side wall of said chamber, the innermost of said three parts forming the inner end of said chamber, said outermost, intermediate and innermost parts being spaced apart to form two annular fuel passages one on either side of said intermediate part, one of said passages leading from the fuel supply conduit and the other to the fuel return conduit, the supply passage being provided with a spiral arrangement for swirling fuel into said chamber.

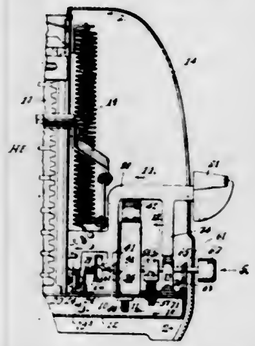
2,549,093
FLEXIBLY MOUNTED AND CONNECTED VERTICAL GAS HEATING FURNACE
Walter Huber, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application September 7, 1946, Serial No. 695,432
In Switzerland December 18, 1945
7 Claims. (Cl. 126—109)

1. A gas-heating furnace comprising two vertical weight-carrying pressure jackets, a rigid U-bend beneath said jackets connecting them in series, a vertical tube nest within each of said jackets, a yielding U-bend mounted with clearance within said rigid U-bend connecting said tube nests in series, means for supporting said jackets yieldingly on a fixed base whereby the distance separating them can change with expansion changes in said rigid U-bend, a gas-tight



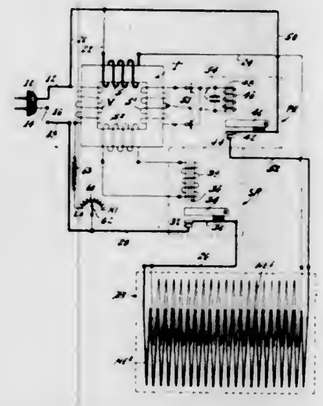
seal between the periphery of the upper tube plate of each tube nest and its associated pressure jacket, a burner and combustion chamber supported on one pressure jacket and arranged to deliver the combustion products to a confined space above the upper tube plate therein, and a collecting chamber and flue supported on the other pressure jacket above and in communication with the upper tube plate therein.

2,549,094
TIMER FOR TOASTERS AND THE LIKE
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application December 22, 1947, Serial No. 793,286
4 Claims. (Cl. 161—1)



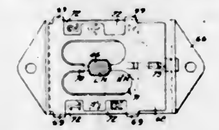
1. In an automatic thermal control, an element manually movable to render said control operative, a current responsive latch for said element in the operative position, a switch shunting said current responsive latch, a temperature responsive element for closing said switch when the temperature responsive element responds to heat and to open it when the temperature responsive element cools down, a heater for said temperature responsive element, a single pole double throw relay having normally closed contacts in series circuit with said heater and connected with one side of said current responsive latch, said relay having normally open contacts shunting said heater, the coil of said relay being connected at one end to a point between said heater and said normally closed contacts and at its other end to the other side of said current responsive latch, said temperature responsive element, after opening said switch, opening said normally closed contacts for energizing said relay coil through said switch so that the relay coil closes said normally open contacts to shunt said heater and thereby permit said temperature responsive element to cool and reopen said switch for permitting the current through said relay coil to flow through said current responsive latch and thereby render it operative to release said manually movable element.

2,549,095
TEMPERATURE CONTROL FOR WARMING BLANKETS
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application July 31, 1948, Serial No. 41,796
7 Claims. (Cl. 219—20)



1. In a temperature control, a transformer having a core, a pair of primary coils differentially wound thereon, one of said coils being connected across the source of current for said transformer a blanket having main and pilot heating elements, said pilot heating element connected in parallel with said one of said coils and in series with the other coil and said main heating element connected in parallel with said one of said coils, a primary relay having contacts in circuit with said main heating element for controlling energization thereof, said transformer supplying predetermined secondary current for operating said primary relay, and a secondary relay for controlling the current to both of said heating elements, said transformer supplying further secondary current for the coil of said secondary relay, the contacts of said secondary relay being normally closed and also in circuit with said main heating element, said secondary relay being energized sufficiently to open the contacts thereof upon an increase in the resistance of said pilot heating element due to an abnormal increase in the temperature thereof.

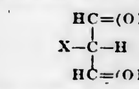
2,549,096
INDICATOR FOR GEARSHIFT MECHANISMS
Louis Jacobi, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 27, 1949, Serial No. 123,857
7 Claims. (Cl. 116—124)



1. In a shift mechanism for variable speed transmissions, a stationary indicator bracket having a set of low range speed markings and a set of high range speed markings, a gear shift lever movable from a low range neutral position to a selected one of a plurality of drive establishing positions opposite the respective low range marking on said bracket, and from a high range neutral position to a selected one of a plurality of drive establishing positions opposite the respective high range marking on said bracket, and an indexing plate movable with said gear shift lever when the latter is shifted from one of said neutral positions to the other of said neutral positions, said indexing plate being adapted to cover said set of high range speed markings and to expose said set of low range speed markings upon movement of said gear shift lever to said low range neutral position, and to cover said set of low range speed markings and to expose said set of high range speed markings upon movement of said plate into said high range neutral position.

2,549,097
PREPARATION OF MALONALDEHYDE DIANILS
Charles F. Jelinek, Easton, Pa., and Roger F. Kleinschmidt, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1948, Serial No. 62,968
3 Claims. (Cl. 260—566)

1. The process of producing a dianil of a malonaldehyde, which comprises reacting a malonaldehyde diacetal of the formula:

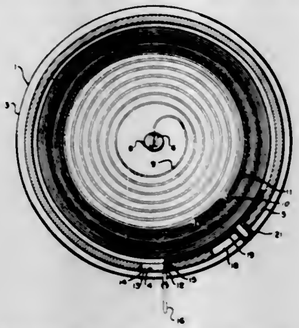


wherein X represents a member of the group consisting of hydrogen, halogen, alkyl, aralkyl and aryl radicals, and R represents a member of the group consisting of alkyl and aryl radicals, in an aqueous acid medium with a primary aryl amine.

2,549,098
MEASURING TAPE
Louis L. Joseph, Chicago, Ill.
Application April 30, 1947, Serial No. 744,853
6 Claims. (Cl. 242—84.9)

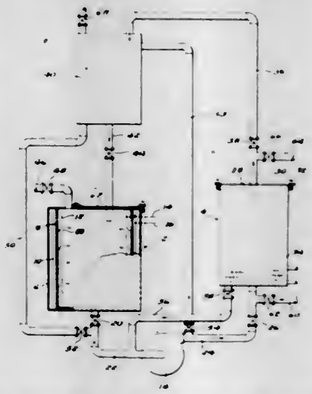
1. The combination of a retractile tape housing embodying a cylindrical wall having a slot through which tape may be extended with a flexible tape coiled within said housing and extending through said slot, and a tape brake disposed between said coil and wall, parallel to said wall, said brake being slidable and deform-

able through said opening to tape braking position overlapping an outer edge portion of said



slot, and being also slidable to slot closing position, as desired.

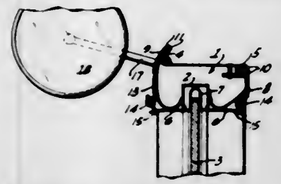
2,549,099
PROCESS FOR STRIPPING COLOR FROM DYED WOOL
Ernest R. Kaswell, Boston, Mass., assignor to Fabric Research Laboratories, Inc., Boston, Mass., a corporation of Massachusetts
Application July 14, 1947, Serial No. 760,765
12 Claims. (Cl. 204—133)



1. The process for stripping color from keratinous material which comprises treating the keratinous material with an electrically-conducting acid liquid stripping solution containing metallic ions selected from the group consisting of vanadium, titanium and chromium ions in a low valence state, whereby color in the keratinous material is reduced and stripped by the reducing action of said low-valence ions with accompanying oxidation of said ions to a higher valence state, reducing the valence state of ions so oxidized by electrolysis of said solution, and thereafter contacting the keratinous material with said solution.

2,549,100
APPLIANCE MOUNT FOR VEHICLE DOORS
Robert H. Kershaw, Long Beach, Calif.
Application May 28, 1948, Serial No. 29,912
4 Claims. (Cl. 248—226)

1. An appliance mount for vehicle doors, comprising a plate extending transversely of the door, a pair of fingers, each of said fingers engaging the frame of the door, means adjustably attach-



ing said fingers to said plate, and a channel on said plate into which the glass of the door extends, and a bracket on one of said fingers.

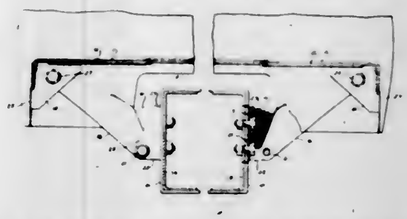
2,549,101
INSULATED ELECTRICAL CONDUCTOR
William Koch, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 18, 1947, Serial No. 735,554
9 Claims. (Cl. 117—128.4)

4. An insulated electrical conductor comprising an electrical conductor and as insulation therefor a plastic composition comprisng

	Parts
Ethyl cellulose (43.5 to 50% ethoxyl, 50 to 1000 centipoise viscosity)	100
Mineral oil	5 to 24
Partially hydrogenated mixture of isomeric terphenyls	13 to 32
Polyvinyl butyral (hydroxyl content 11.25 to 13.25%)	Not more than 42

said insulated conductor being characterized by freedom from any tendency to exude oil, flexibility at −10° C., cut resistance of at least 50 grams per mil of insulation thickness, abrasion resistance of at least 1.0 revolution per mil of insulation thickness and half-hitch cut resistance of at least 1.5 pounds per mil of insulation thickness, said plastic composition being applied to said electrical conductor by extrusion at elevated temperature and pressure.

2,549,102
TRUCK CAB SUSPENSION
Clarence F. Kramer, Birmingham, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 14, 1946, Serial No. 647,577
3 Claims. (Cl. 296—35)



3. A vehicle body suspension comprising a rigid suspension arm connecting the vehicle body and frame, said suspension arm being pivotally connected to the body and frame and inclined at a substantial angle to both horizontal and vertical axes of the vehicle, one of the pivots upon which a suspension arm turns comprising a pin supported by the frame adjacent a receptacle con-

taining a wedge shaped block of elastomer and having supporting members for lateral support of the elastomer, the small angle of the wedge shaped block of elastomer approximating the angle included between the frame member and the suspension arm in the normal position, said suspension arm, pivot and elastomer being arranged so that rotation of the suspension arm toward the elastomer causes compression of the elastomer.

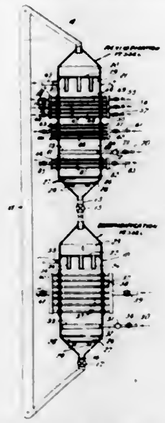
2,549,103
COMBINATION FLASHLIGHT AND SIGNALING DEVICE
Gilbert O. Krauss, St. Louis, Mo.
Application November 9, 1949, Serial No. 126,334
5 Claims. (Cl. 177—325)



1. A combination flashlight and signalling means comprising a circular transparent base portion and a solid partially transparent column mounted on said base portion, said column being of substantially square cross-section and having unpolished longitudinal grooves therein with polished outer surfaces therebetween, said grooves having bottoms which slope inwardly toward the center of the column at the top surface thereof.

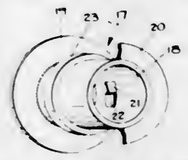
2,549,104
METHOD FOR REVIVIFICATION OF DESICCANTS
Charles H. Lechthaler, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 29, 1946, Serial No. 680,377
16 Claims. (Cl. 183—114.2)

1. The method for revivifying a particle-form inorganic gel adsorbent which has become spent as a desiccant by moisture adsorption thereon which method comprises: passing said spent inorganic gel adsorbent as a substantially compact column of downwardly moving particles through a first confined heating zone while passing a suitable heating fluid in indirect heat transfer relationship with said adsorbent under such conditions as to limit the rate of temperature rise of said adsorbent in said heating zone below about 50° F. per minute, withdrawing moisture released from said adsorbent from said zone, withdrawing said adsorbent from the lower section of said zone at a rate so controlled that the residence time of said adsorbent in said zone is sufficient to insure reduction of the moisture content of said adsorbent below about 10 per cent by weight of said adsorbent, passing said adsorbent through a second heating zone, while heating it therein at a substantially higher rate than in said first



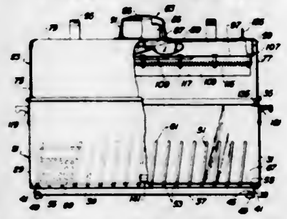
zone to remove additional moisture and separately withdrawing said additional moisture and said adsorbent from said second heating zone.

2,549,105
FEED NUT SLEEVE FOR DRILLS
Harold T. Mackensen, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 1, 1948, Serial No. 62,825
1 Claim. (Cl. 255—46)



A feed nut sleeve for a drill including a cylinder adapted to slide over and lock a split feed nut, means providing an elongated slot in the inner peripheral surface of said cylinder, the axis of said slot being perpendicular to the axis of said cylinder, ring means attached to said cylinder and covering the entire exterior of said slot, and a spring in said slot locked to said cylinder in recesses at opposite ends thereof and extending into the interior of said cylinder intermediate the spring ends.

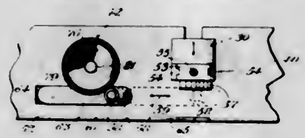
2,549,106
COMBINATION HEATER AND DRIER
Alfred T. Manacher, New York, N. Y.
Application February 8, 1950, Serial No. 143,045
8 Claims. (Cl. 34—90)



1. In a heating and drying unit of the class described, a casing, a cover therefor operatively

supportable relative thereto in an upper and a lower position, the cover in the upper position being disposed at the top of the casing and in the lower position within the casing, retractable cover-supporting means on the casing adapted to support the cover in said upper position, a dish rack within the casing, said cover having a roof disposed above the rack when the cover is in its said lower position, and electrical heating means operatively disposed below said roof, said casing having a floor peripherally spaced from the lateral sides thereof, whereby an outlet aperture is provided for dish drippings and for heated air currents when the device is positioned on a side for use as a space heater.

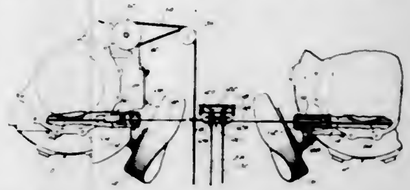
2,549,107
APPARATUS FOR MARKING TAGS
Alonzo K. Marsh, Ridgewood, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application July 13, 1946, Serial No. 683,358
5 Claims. (Cl. 101—305)



1. In a tag marking machine of the type having a printing head that moves into and out of contact with successive tags, and mechanism for moving the printing head in accordance with a predetermined time cycle, the combination with said printing head of an ink supply roller having a hub portion supported by a shaft, flanges at opposite ends of said hub portion and one of which is detachably connected to the hub portion, driving means for rotating the shaft, an ink-impregnated fabric ribbon wrapped around the hub portion as a spiral with a plurality of convolutions and a diameter sufficient to locate at least some of the outer convolutions beyond the peripheral edges of the flanges, said ribbon constituting the sole ink holder of said ink supply roller, and said ribbon having a width substantially equal to the distance between the inner confronting faces of the flanges so that the inner convolutions of the ribbon are protected from direct contact with the surrounding atmosphere, an inking roller, a carriage by which the inking roller is supported, a guide bearing defining a course along which the carriage moves, said guide bearing extending substantially parallel to the face of the printing head and at a fixed distance from the axis of the ink supply roller, and reciprocating mechanism that moves the carriage back and forth along the guide bearing.

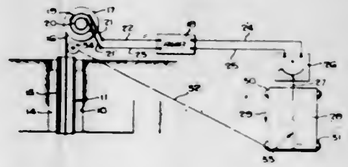
2,549,108
PROPELLER PITCH CONTROL
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 29, 1943, Serial No. 516,042
14 Claims. (Cl. 170—135.24)

3. In a powerplant including at least two engines in spaced-apart relation on an aircraft, each engine driving a controllable-pitch propeller, speed regulating means for said engines, comprising in combination, a pitch changing mechanism for each propeller, each pitch changing mechanism including an axially movable rack, linkage interconnecting said racks, a governor driven by one of said engines, a single acting hydraulic motor actuated by said governor and operatively connected with one of said racks to urge it in a direction away from the other of said



racks, and a compression spring operatively associated with said other rack to resiliently urge said other rack away from said first rack, thereby maintaining said linkage under tension.

2,549,109
RADIOACTIVE LOCATING MEANS
James W. McPhee, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 19, 1949, Serial No. 82,305
1 Claim. (Cl. 250—83.6)



The method which comprises positioning in a well borehole with respect to a stratum penetrated by said borehole, a solid pipe coupling carried by a casing string positioned in said borehole, said coupling having homogeneously incorporated therein a radioactive material and maintaining said radioactive material permanently disposed in the same position in said borehole with respect to said stratum.

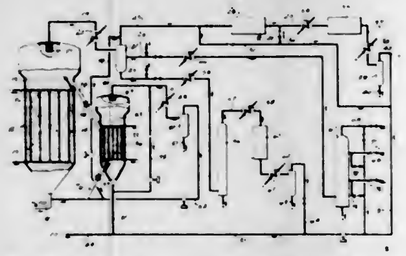
2,549,110
PANEL HINGE
Harold E. Michael, Glendale, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application May 31, 1949, Serial No. 96,343
8 Claims. (Cl. 244—129)



5. In combination with the surface of an airplane, an access panel positioned flush with said surface, said panel being removably hinged to said surface along one edge thereof by a hinge assembly comprising two hinge members, one member fixed to said surface and the other member fixed to said panel, a recess in one of said hinge members opening from the exterior side

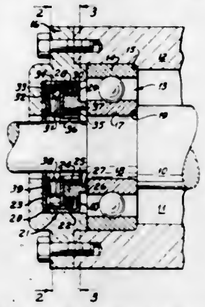
thereof, said recess having a wall slanting back toward the structure to which said one member is attached, from the exterior side thereof, a leg on said one member forming the inside boundary of said recess and slanting from the inside end of said wall away from the structure to which said one member is attached and toward the exterior side thereof, a hook formed on the extremity of said leg and pointing back toward said wall to define a groove in the extremity of said recess, an elongated head projecting along the exterior side of said other hinge member away from the structure to which said other member is attached, a barb formed on the inside of said head and pointing back toward the structure to which said other member is attached, said head being adapted to enter said recess when said panel is positioned with its outside surface substantially at a right angle with said airplane surface, and said head being adapted to bear against said wall to engage said barb with said hook as said panel is then rotated to its closed position in said airplane surface.

2,549,111
COMBINATION SYNTHESIS OF HYDROCARBONS AND ORGANIC CARBONYL COMPOUNDS
Alfred J. Millendorf, Beacon, Ernest A. Naragon, Glenham, and Joseph H. Vergilio, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 28, 1948, Serial No. 29,718
4 Claims. (Cl. 260—449.6)



1. In the preparation of carbonylated hydrocarbons wherein a synthesis gas containing essentially hydrogen and carbon monoxide is passed in contact with a hydrocarbon synthesis catalyst in a synthesis zone under reaction conditions including an elevated temperature at which the reactants are catalytically converted into desired hydrocarbon fractions including substantial proportions of desired olefins, the effluent product stream is withdrawn from contact with the synthesis catalyst, the mixed, normally gaseous fraction containing a substantial proportion of gaseous olefins is separated and the proportion of hydrogen and carbon monoxide therein regulated with respect to the olefin content and wherein the entire mixture thus formed is thereafter passed in contact with a carbonylation catalyst containing a metal of the iron group in a carbonylation zone at a pressure in the range of about 250–1000 p. s. i. and a temperature in the range of about 100–350° F. at which direct carbonylation of said olefin proceeds, the improvement which comprises effecting said adjustment of the proportion of hydrogen to carbon monoxide with respect to the olefin contained in the feed stream to the carbonylation zone by steps including subjecting said normally gaseous fraction to water-gas shift reaction conditions at an elevated temperature such that predetermined proportions of contained hydrogen and carbon dioxide formed in the synthesis zone are converted into carbon monoxide and water vapor, and effecting separation of water vapor prior to introduction of said gaseous stream into said carbonylation zone.

2,549,112
SELF-CONTAINED MECHANICAL SEAL WITH O-RING
Robert F. Miller, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application October 17, 1946, Serial No. 703,731
4 Claims. (Cl. 286—11.14)



1. A fluid seal for effecting a seal between relatively rotatable machine elements, said seal comprising a retainer having a cylindrical wall for press-fit into one of the elements, an anti-friction washer disposed at least partially within the cylindrical wall and having an outer wall spaced from the cylindrical wall, a packing ring of substantially circular radial cross-section compressed in the said space, means for preventing relative rotation between the retainer and anti-friction washer comprising a lug on the interior of the cylindrical wall, a driving washer having a slot to receive the lug and having one or more projections extending into suitable depressions in the anti-friction washer, said driving washer extending radially across the space between the anti-friction washer and the cylindrical wall to confine the packing ring and spring means acting against the driving washer to urge the anti-friction washer against the other of the relatively rotatable elements.

2,549,113
COLOR AND STAIN REMOVERS FOR FABRICS
Elliott Morrill, Indianapolis, Ind., Eugene D. Seiter, Westfield, N. J., and Chester M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 16, 1949, Serial No. 105,263
6 Claims. (Cl. 252—105)

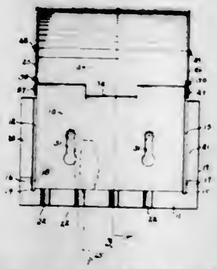
1. A solid dry color and stain remover for fabrics consisting essentially of 100 parts by weight of basic zinc sulfoxylate formaldehyde, 40 to 250 parts by weight of a member selected from the class consisting of monocalcium orthophosphate and monosodium orthophosphate, and 1 to 20 parts by weight of a solid nitrogenous organic cationic material selected from the class consisting of para diisobutyl phenoxy ethoxy ethyl dimethyl benzyl ammonium chloride and diisobutyl cresoxy ethoxy ethyl dimethyl benzyl ammonium chloride.

2,549,114
BUILT-IN TUBULAR ASH TRAY FOR CHAIR ARMS
Chester L. Mosher, Gardner, and Robert N. Owler, Fitchburg, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application December 3, 1947, Serial No. 789,408
5 Claims. (Cl. 232—43.2)



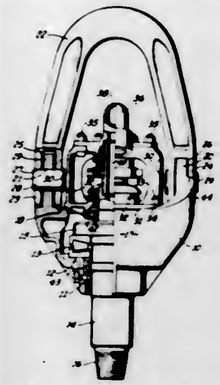
1. An ash tray for use in the arm of a car seat or the like, comprising an outer tube containing a spring in its lower end and having a cross-pin at an intermediate point in its length, a removable sleeve fitting with said tube, a tubular extension detachably connected to the said sleeve, a bottom plate blocking the said tubular extension, and bayonet slots in the tubular extension below the said bottom plate arranged to be engaged with said cross pin, thereby compressing the spring and causing it to hold the sleeve against vibration in the said outer tube.

2,549,115
TOOTHBRUSH HOLDER
Lewis Charles Mote, Ottumwa, Iowa
Application March 29, 1947, Serial No. 738,164
4 Claims. (Cl. 206—15.1)



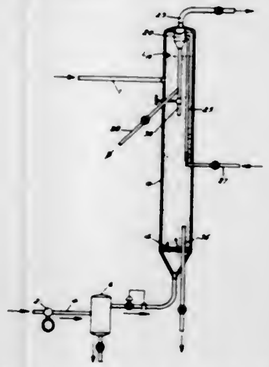
1. In a tooth brush holder, a back portion having forwardly extending bars secured to its marginal edges, a shelf member on said back portion having a plurality of slot openings, said shelf having upwardly extending bars secured to its marginal side edges, a hood lid hinged to said back portion capable of enclosing the top portion of said shelf and the major front portion of said back, and grooves adjacent to said bars secured to said shelf and back; said hood lid constructed to and capable of having its marginal edges embraced by said grooves when said hood lid is in the closed position.

2,549,116
LOAD SUPPORTING DEVICE
Demery A. Murphy, Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1946, Serial No. 689,995
6 Claims. (Cl. 255—25)



1. In a load supporting device, the combination of a stationary housing, a rotary member supported in the housing, an upwardly extending wall on the housing encircling a portion of the rotary member, said wall having an annular radial flange disposed coaxially of the rotary member, a closure for said housing adapted to rest on said flange, a pair of supporting ears formed integrally on said wall extending above said flange, a bail member adapted to pendently support the housing, the lower ends of the bail member overlying a portion of said flange and being bifurcated to receive said supporting ears, and coaxial pivot pins connecting each ear to one of the bifurcated ends of the bail.

2,549,117
FLUIDIZED CARBONIZATION
Karl J. Nelson, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 2, 1946, Serial No. 700,684
9 Claims. (Cl. 202—6)



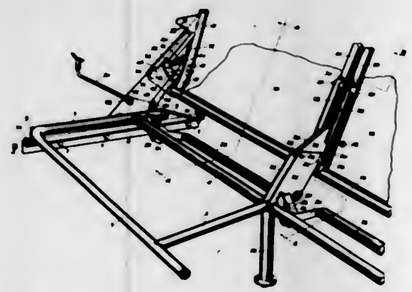
1. In the process of carbonizing carbonizable fuels at carbonization conditions of temperature and pressure in the form of a dense turbulent bed of finely divided solids fluidized by an upwardly flowing gas wherein volatile carboniza-

tion products carrying entrained solids fines are passed through a gas-solids separation zone to remove entrained finely divided solids therefrom and a heat transfer is provided for between said bed and said separation zone sufficient to prevent a substantial temperature drop between said bed and said separation zone, the improvement which comprises passing a separate stream of solids at a temperature at least as high as that prevailing in said bed from said bed directly to said separation zone.

2,549,118
VULCANIZED RUBBER AND METHOD OF PRESERVING SAME
Thomas H. Newby, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 5, 1949, Serial No. 119,773
13 Claims. (Cl. 260—810)

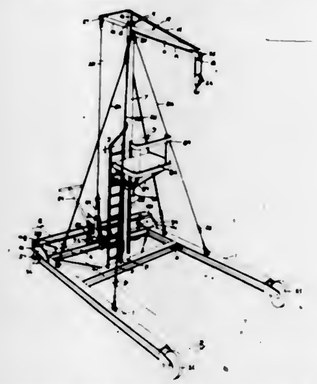
1. A method of preserving rubber which comprises incorporating therein before vulcanization a minor proportion of a 1,4-dihydroxybenzene substituted on the ring with at least one —SR group where R is an aliphatic radical, the only groups bonded to the sulfur atom in said —SR group being said R and the benzene ring of the 1,4-dihydroxybenzene.

2,549,119
CHAIR STRUCTURE
Walter E. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application February 21, 1947, Serial No. 729,987
1 Claim. (Cl. 155—160)



In a chair structure: a supporting frame having a pair of horizontally spaced back-supporting uprights; a back pivotally connected to said uprights for tilting movement about a horizontal axis near the bottom of the back; spring means associated with one of said uprights and with the adjacent side of the back for normally urging the back forwardly, said spring means comprising a downwardly opening cylinder mounted on the back above the said upright, a plunger having an upper head reciprocally disposed in the cylinder and a lower end bearing against said upright, and a compression spring confined between the plunger's head and the upper end of the cylinder; stop means on the frame for limiting the forward movement of the back to a forwardmost position in which the back is only slightly rearwardly tilted; a toothed sector fixedly mounted on the back and swingable therewith; a slide bearing fixedly mounted on the frame with an end thereof adjacent the toothed edge of the sector; a detent member slidably disposed in the slide bearing and having an end thereof adapted to engage and disengage the sector's toothed edge in oppositely moved positions of the back; and operating means associated with the detent member and accesible to the chair occupant for sliding said member to and from its position of engagement with the sector's toothed edge.

2,549,120
CRANE
Arwin E. Ormsby, Oakland, Calif., assignor to Lucienne M. Ormsby, Oakland, Calif.
Application June 2, 1947, Serial No. 751,796
3 Claims. (Cl. 254—139.1)

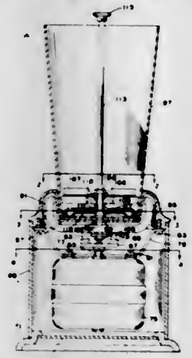


1. In a crane having a vertical post supported on a portable base and a generally horizontally extending beam horizontally pivoted to the upper end of said post at a point intermediate opposite ends of said beam but closer to one end than the other whereby said beam provides a relatively short projection and a jib respectively at opposite sides of said post, a stay extending slantingly downwardly from the outer end of said projection in direction toward the foot of said post connecting said outer end with said base, a load pulley on the outer end of said jib, a roller on the axis of said post adjacent said beam and secured to said post, a winch below said projection spaced a substantial distance therefrom, a flexible load line extending over said pulley and roller and then downwardly to said winch, the horizontal distance between the lower end of said stay and a vertical line extending through the point of connection between said stay and said projection being substantially equal to the distance between said point and the pivot supporting said beam times the horizontal distance between the lower end of said load line and said post divided by the mechanical advantage of said pulley times the distance between said pulley and said pivot less the radius of said roller.

2,549,121
MIXER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 8, 1946, Serial No. 682,032
2 Claims. (Cl. 259—108)

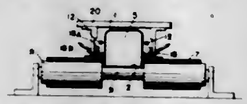
1. In an electric-motor-driven, magnetic mixer, in combination, a base having a seat for supporting and locating a container thereon, an

electric motor in said base, a first permanent magnet mounted in said base for rotation by said motor about substantially a vertical axis through the center of a container located on said seat, the poles of said first magnet being positioned to flank the lower portion of such con-



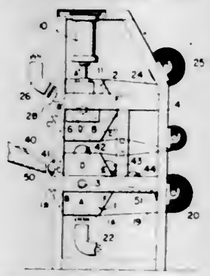
tainer, and an agitator comprising a second permanent magnet with spaced poles adapted to be rotated in such container between said poles of said first magnet by the magnetic force exerted by said first magnet as it rotates and thereby carries its poles around the container.

2,549,122
PACKAGING IN STRETCHED FILM
Harold Judson Osterhof, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 3, 1948, Serial No. 18,831
5 Claims. (Cl. 93—3)



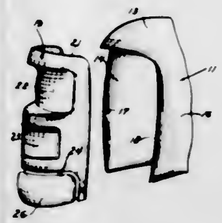
1. Packaging equipment which comprises two sources of stretched film, cut-off equipment, a conveyer for moving articles toward the cut-off equipment, and means for holding the films together on opposite sides of the articles while on the conveying means and outside of this, heated means equipped with means for bringing it into contact with the film.

2,549,123
APPARATUS FOR PACKAGING ARTICLES
Harold Judson Osterhof, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 3, 1948, Serial No. 18,832
5 Claims. (Cl. 18—56)



1. A packaging device which comprises two flat sides, mating depressions in the respective sides of the two drums, the drums being connected with rotating means, means for pressing flat sides of the respective drums together and separating them, with snubbers at the transverse edges of the sides adapted to meet and separate as the sides are brought together and drums, each with a plurality of substantially separated, and means for supplying two sheets of wrapping material and covering a plurality of the faces of each drum with the respective sheets.

2,549,124
FENDER CONSTRUCTION
John Oswald, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 23, 1948, Serial No. 56,216
2 Claims. (Cl. 280—152)

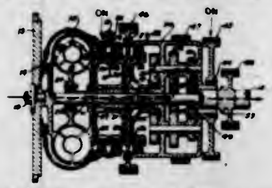


1. In a vehicle body construction, in combination, an integral one-piece sheet metal fender having a transversely arched top wall and substantially vertical side walls depending from the inner and outer sides of the top wall, said side walls being integrally formed with said top wall and the inner side wall forming a wheel housing panel and the outer side wall forming the exterior surface of the fender and vehicle body, said inner and outer walls terminating beyond the end of the vehicle wheel in substantially vertical edges which are transversely aligned with each other to form an inverted U shaped fender open at the bottom and one end, the vertical edges at the end of the side walls extending downwardly below the centerline of the vehicle wheel and having inturned flanges, and a sheet metal fender cap generally U shaped in horizontal cross section and having its free edges extending in vertical and transverse alignment with each other and provided with inturned flanges arranged in juxtaposition to the flanges on the vertical edges of the fender side walls, said fender cap having vertically spaced openings formed in its outer face, lighting units wholly supported by said fender cap in alignment with said openings, and connecting means detachably connecting said fender cap to said fender to permit removal and assembly of said fender cap and lighting units as a unit assembly.

2,549,125
TRANSMISSION
Clyde R. Paton, Bloomfield Village, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 5, 1946, Serial No. 674,501
3 Claims. (Cl. 74—732)

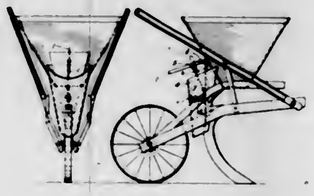
1. In a variable speed power transmission, in combination, a power shaft, an intermediate

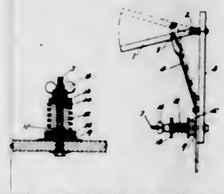
shaft and a load shaft, a torque converter having an impeller, a turbine and a reactor, a friction clutch for selectively coupling said impeller to said power shaft, means connecting said turbine to said intermediate shaft, a multiple planetary gearing system comprising a planet carrier rotatably supported about the axis of said intermediate shaft and operatively connected to the



reactor of said torque converter, a plurality of planet pinions rotatably supported upon said planet carrier, sun gears meshing with said planet pinions, one of said sun gears being operatively connected to said load shaft to transmit power thereto, and selectively operable brake friction means arranged to lock said planet carrier against rotation to establish one speed ratio.

2,549,126
REGULATOR FOR FLOW OF MATERIAL FROM A HOPPER
Marcus H. Pearson, Springville, Ala.
Application January 25, 1950, Serial No. 140,518
2 Claims. (Cl. 222—505)





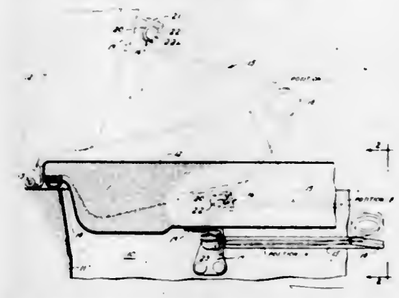
1. In a flow of material regulator for use in combination with a hopper of the character described comprising; a metal bar lever as a handle, a panel as part of a hopper, said handle bar being pivotally attached to said panel, a second metal bar, one end of said second bar being pivotally attached to said handle bar, a flat metal plate positioned adjacent the face of said panel and slidable thereon, said plate having an elongated slot in its center portion, the other end of said second metal bar attached to one end of said plate and in line with the said slot in the plate; a bolt inserted through said panel and the slot in the said plate, a comparatively thick fabric washer upon said bolt and in contact with one face of said plate, a metal washer having an integral raised hub portion and upon said bolt and in contact with said fabric washer, a coil-type metal spring mounted upon said bolt with one end thereof in contact with said metal washer, a second metal washer having an integral raised hub portion and upon said bolt and in contact with the other end of said coil-type spring, a wing-type nut upon the threaded portion of said bolt.

2,549,127
WOOD WATERPROOFING COMPOSITION
Donald D. Pew, Kalamazoo, Mich., assignor to Stopall Waterproofing Manufacturers Inc., Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 13, 1950, Serial No. 184,701
3 Claims. (Cl. 260—24)

1. A waterproofing composition comprising:

	Per cent
A chlorinated polyphenyl	4 to 10
Hydrogenated methyl abietate	7 to 12
A methyl phenyl polysiloxane	3 to 6
Solvents	71 to 92

2,549,128
LID STAY
John H. Pfeiffer, Ambler, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1948, Serial No. 32,351
4 Claims. (Cl. 217—60)

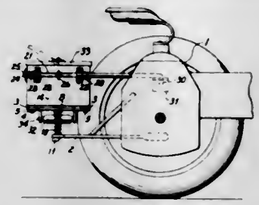


1. In combination with structure including a cabinet and closure means hingedly mounted for opening and closing movements with respect to said cabinet, a support device having spaced end portions resiliently urged apart, and means pivotally associating one of said end portions with said cabinet and the other of said end portions with said closure means, whereby said device may react between said cabinet and closure means and exert force tending to move said closure means to open position, said pivotal means accommodating movements of said device from a position in which the force exerted between the end portions thereof is exerted in a direction generally parallel to the hinge axis to a position in which at least the major portion of the force exerted between said end portions is exerted in a direction transverse to the hinge axis.

2,549,129
CARRIER ACCESSORY FOR VEHICLES
Jewell L. Pickett, Hannibal, Mo.
Application January 26, 1949, Serial No. 72,840
2 Claims. (Cl. 296—26)

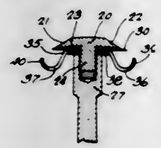
1. In a carrier accessory for a vehicle, the combination comprising a basal frame, means supporting the frame for travel movement behind the vehicle, a carrier box assembly supported on the basal frame, said carrier box comprising a center section having a bottom and upstanding sides and front and rear sections each having a bottom, upstanding sides and an upstanding end, the said

front and rear sections being telescopically assembled with each other and the center section for forward and rearward movements, tubular members supported on the sides of the center section and extending forwardly for connection to the vehicle, a U-shaped member extending



across the rear of the rear section and having sides extending forwardly and telescoped into said tubular members, and the rear section of the carrier box being pivoted at its ends on said U-shaped member to swing clear of the center section for dumping a load and for carrying elongated loads in the box.

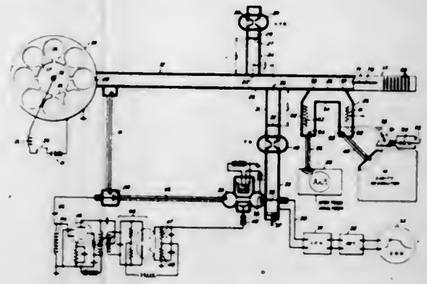
2,549,130
SAFETY RAZOR
Olaf Rasmussen, Port Clinton, Ohio
Application December 23, 1948, Serial No. 66,969
4 Claims. (Cl. 30—52)



1. A razor consisting of cooperating cap and resilient guard members between which a flexible razor blade is adapted to be clamped, the respective blade engaging surfaces of the comparatively rigid cap and resilient guard being concaved, the cap longitudinally straight and transversely concaved and the guard longitudinally concaved and transversely flat relatively to the engaged blade and operative, when said cap and guard are clamped together, transversely to flex the blade into engagement with the transversely concaved surface of the cap and to cause the longitudinally concaved guard to exert oppositely acting rubbing forces upon the blade to tension it longitudinally and hold it straight as the concaved guard is longitudinally flattened against the blade during said clamping; and means applicable to the cap and operative to engage the guard to clamp the cap and guard together.

2,549,131
RADAR EQUIPMENT TESTING SYSTEM
Vincent C. Rideout, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1946, Serial No. 692,356
6 Claims. (Cl. 343—5)

6. A radar system comprising an antenna, a transmitter, a receiver, a pulse wave form indicator comprising a cathode ray oscilloscope tube, each thereof connected to a main transmission line, a directional coupler connected to said line having at one point thereof a cavity resonator of high Q, whereby the resonator may be excited by a fraction of the transmitted energy, and a frequency spectrum analyzer electrically connected



to said coupler to analyze the ringing response of said resonator.

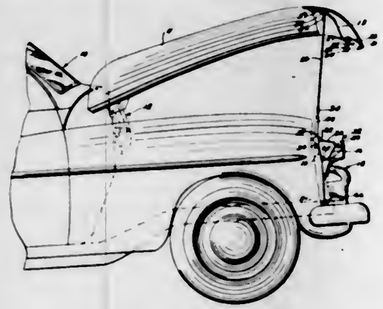
2,549,132
COFFEE MAKER
Giordano Robbiati, Milan, Italy, assignor to Oscar Colcaire, Detroit, Mich., and Arthur R. Wilson, Washington, D. C.
Application June 26, 1947, Serial No. 757,219
In Italy September 14, 1946
3 Claims. (Cl. 99—307)



1. A coffee maker having a hollow base adapted to contain water and provided with a pressure relieving valve and a table to support and heat a pot, curved concentric tubes extending upward from said base the outer of which has a filling closure and terminates in an annulus having a pair of upper and lower supporting ledges one of which is of bayonet joint type, the inner of which tubes has a small hole near said closure and terminates in a head with a flange shaped to rest upon said support and with a downwardly directed discharge opening, a flexible metal ring of size to rest upon the upper of said ledges, a washer shaped to rest upon the ring, a spray plate shaped to rest between said washer and said flange and to cover said discharge opening, a cap shaped to cover the annulus, to bear upon the flange to make the outer tube and the base a pressure chamber, and a funnel having a removable foraminous coffee holder shaped to bear upon the ring and having bayonet joint elements to cooperate with the bayonet type ledge.

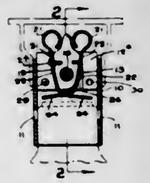
2,549,133
HOOD SUPPORT AND LOCK
Edwin Daniel Scott, Plymouth, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 10, 1948, Serial No. 14,062
3 Claims. (Cl. 180—69)

1. In an automotive vehicle having a body and a hood hinged at its rearward edge to said body so that the forward edge of said hood moves upwardly as the hood is opened, a member pivotally connected to said body, a second member telescopically and slidably engaging said first member and having its upper end pivotally connected to said hood at a point located substantially vertically above the pivotal connection of said first member to said body so that the telescopic strut composed of said first and second members is continuously elongated as said hood is opened and assumes a substantially vertical



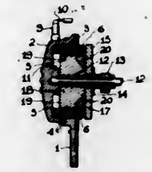
position both in the closed and open positions of the hood, locking openings formed in one of said members adjacent the upper and lower ends thereof, a locking lever mounted upon the other of said members and engageable with the lower of said openings to hold and support said hood in its open position and alternatively engageable with the upper of said openings to lock said hood in its closed position, and means connected to said lever to effect a remote control of the releasing of said locking lever.

2,549,134
LAMP SOCKET HAVING LEAF SPRING CONTACTS
Andrew J. Shaback, Philadelphia, Pa., assignor to Electric Service Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application December 15, 1947, Serial No. 791,895
7 Claims. (Cl. 173—328)



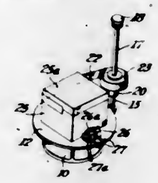
1. In a lamp socket of the character described, a cylindrical lamp-receiving shell, a plug of electrical insulating material fitted in one end of said shell, said plug having a tapered recess spaced laterally of the longitudinal axis of the plug and extending longitudinally therethrough with its enlarged end opening into said shell, and a leaf-spring contact element disposed in said recess and anchored in said plug for flexing movement about a fulcrum located in the immediate region of the reduced end of the recess, said element having a freely extending lamp-engaging portion disposed externally of the enlarged end of said recess and bent angularly with respect to the portion of the element disposed in said recess.

2,549,135
ALTERNATING-CURRENT GENERATOR
Floyd A. Sherman, Cleveland, Ohio, assignor to Whizzer Motor Company, Pontiac, Mich., a corporation of Delaware
Application June 15, 1948, Serial No. 33,152
1 Claim. (Cl. 171—209)



In an alternating current generator of the character described, a continuous cylindrical matrix of non-magnetic material, and a permanent magnet rotor embedded therein and enveloped thereby, said rotor having an annular central hub portion and a plurality of circumferentially-spaced radial poles of alternate opposite polarity extending outwardly therefrom, each of said poles in longitudinal axial section having an angularly extending inclined surface whereby the area of said longitudinal section decreases radially outwardly from a maximum at the radially innermost portion of said pole to a minimum at the radially outermost portion of said pole.

2,549,136
DEVICE FOR SEALING PACKAGES WITH ADHESIVE TAPE
Henry A. Simpson, Philadelphia, and Samuel F. Mackelduff, Westchester, Pa., assignors, by mesne assignments, to The Lake Laboratories Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 14, 1948, Serial No. 32,978
2 Claims. (Cl. 216—20)



1. In a sealing device of the character described, a stationary base adapted for attachment to a permanent support, a relatively short spindle fixed to said base and extending upwardly therefrom, a substantially horizontal table fixed to said spindle and supported thereby in relatively closely spaced relation above said base, a substantially L-shaped arm member longer than the radial distances between said spindle and all parts of said table in one horizontally disposed portion, with a substantially vertical upright portion extending upwardly from the outer end of said horizontally disposed portion, a bearing sleeve secured to the inner end of said horizontally disposed portion and supported for free rotation on said spindle for free swinging movement of said horizontally disposed portion between said base and said table and for free swinging movement of said upright portion about said table outside the confines thereof, means adjustable on said upright portion of said arm member for supporting a tape roll at desired distances above said table, and jaw means on said

table yieldable within predetermined ranges for detachably holding stationary on said table containers to be sealed with tape from said tape roll.

2,549,137
METHOD FOR REMOVAL OF OXIDES OF COPPER FROM SURFACES OF ALLOYS OF COPPER AND SILVER
Archy F. Slover, Los Angeles, Calif., assignor to Kelite Products, Inc., Los Angeles, Calif., a corporation of California
No Drawing. Application March 10, 1947, Serial No. 733,727
2 Claims. (Cl. 134—41)

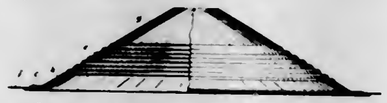
1. A process of treating alloys of silver and copper for the removal of copper oxides, which process consists in treating the alloy with a hot solution of an acid reacting aluminum salt of a strong inorganic acid.

2,549,138
LOUD-SPEAKER DIAPHRAGM
Clifford E. Stevens, Glen Ridge, N. J., assignor to Stevens Products Inc., East Orange, N. J., a corporation of New Jersey
Application October 4, 1946, Serial No. 701,372
1 Claim. (Cl. 181—32)



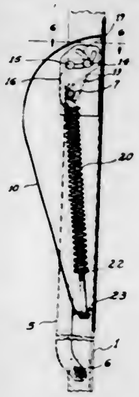
A loud-speaker diaphragm consisting of a one-piece fibrous structure having a center cone section, an annularly corrugated ring section, the corrugations of said ring section being disposed concentrically about the axis of the cone section, and an outer rim section, the thickness of the rim and cone sections being approximately the same with the thickness of the ring section approximately one-half the thickness of the rim and cone sections, the width of the rim section being approximately twenty times its thickness, and the width of the corrugated ring section being approximately that of said rim section, said ring and rim sections extending from the peripheral edge of the cone section in a plane lying at substantially right angles to the axis of the cone section.

2,549,139
CONE DIAPHRAGM FOR LOUD-SPEAKERS
Clifford E. Stevens, Glen Ridge, N. J., assignor to Stevens Products Inc., East Orange, N. J., a corporation of New Jersey
Application June 17, 1947, Serial No. 755,046
3 Claims. (Cl. 181—32)



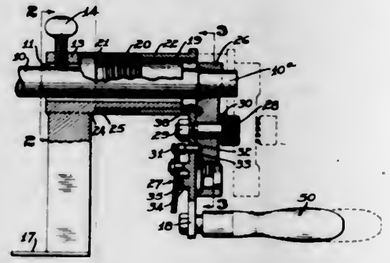
1. A cone-shaped diaphragm for a radio loud-speaker unit of the vibrating voice coil type, said diaphragm consisting of a one-piece cone-shaped body consisting of substantially the same fibrous material throughout, said body having a plurality of contiguous annular areas with each said area formed specially to have a high responsivity to a desired range of vibration frequencies within the broad range of frequencies from about 60 to about 10,000 cycles, and said areas consisting of an apex area extending over about the upper half of the cone body, an intermediate annular area extending over the upper part of the lower half of said cone body, an annular area covering the lower part of the lower half of said cone body, and a peripheral edge area, the said apex area having a lesser thickness and a higher density than the thickness and density of the lower half of the said cone body, the intermediate annular area of the lower half of the said cone body being corrugated into a plurality of reverse bends but otherwise being of the same density and thickness as the uncorrugated annular area in the lower half of said cone body, and said peripheral edge area being of the same density but of lesser thickness than the lower half of said cone body being corrugated in the annular area next adjacent the cone body and having a peripheral fin extension thereon.

2,549,140
COUNTERBALANCING MECHANISM FOR OVERHEAD TRACK DOORS
Sidney Oliver Svendsen, Birmingham, Mich., assignor to Glenn Berry, Birmingham, Mich.
Application July 30, 1948, Serial No. 41,698
6 Claims. (Cl. 16—1)



1. Counterbalancing mechanism adapted for use with a door of the overhead track type comprising in combination a lever of the first order having a load arm and a power arm on opposite sides of its fulcrum, the load arm of said lever being adapted to support the door, counterbalancing power means for the power arm of said lever, a shiftable transmission for connecting the power arm to the counterbalancing power means, said shiftable transmission comprising a pair of pins on said power arm spaced unequally from the fulcrum of said lever and an anchoring member on said counterbalancing means pivotally engageable with one of said pins during a portion of the pivotal movement of said lever and with the other pin during the remainder of said pivotal movement, said shiftable transmission increasing the effective length of the power arm of the lever through a distance of more than half its pivotal movement as the force exerted by the counterbalancing power means upon the power arm decreases and decreasing the effective length of the power arm through a distance of over half its pivotal movement as the force exerted by the counterbalancing power means on the power arm increases.

2,549,141
COMBINED TURNING AND THREAD-CUTTING DEVICE
Clyde C. Taylor, Santa Ana, Calif., assignor to Kenneth Wade and Floyd W. Robinson, both of Garden Grove, Calif.
Application August 12, 1946, Serial No. 690,017
1 Claim. (Cl. 10—109)



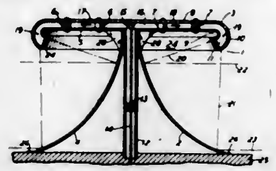
A thread cutting device comprising a work holding member, a tool carrying member supported by said work holding member and being threadedly engaged therewith for concurrent rotary and axial movement thereon relative to a first axis, a radially extending arm on said tool carrying member, a tool holder pivoted to said arm on an axis radially displaced from said first axis, said tool holder having work embracing guide holes therethrough whose centers are spaced from said radially displaced axis a distance equal to the spacing between said axes, said tool holder also having tool channels each being in communication with one of said holes, releasable means on said tool holder arranged to lock a tool in each of said channels with its work engaging portion extending into the corresponding opening, and releasable detent means on said arm engageable with said tool holder at any one of a plurality of spaced positions to hold the same against rotation about said radially displaced axis whereby said tool holder may be indexed to selectively position said guide holes concentric to said first axis.

2,549,142
WELL DRILLING COMPOSITION
Clarence L. Thompson, San Francisco, Calif., assignor to The Pacific Lumber Company, San Francisco, Calif., a corporation of Maine
No Drawing. Application May 4, 1948, Serial No. 25,079
10 Claims. (Cl. 252—8.5)

1. An aqueous drilling mud made up of a major proportion of water insoluble clayey material and characterized by the presence of a minor proportion of an alkali metal hydroxide-redwood bark dust reaction product sufficient to reduce the viscosity, gel strength and/or water loss of said aqueous drilling mud.

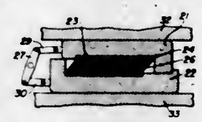
2,549,143
MICROWAVE BROADCAST ANTENNA
William C. Tinus, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1947, Serial No. 784,316
14 Claims. (Cl. 250—33.63)

1. A unitarily formed radiating system for electromagnetic radiations, comprising a supporting member having a directional reflecting surface defined thereon by a portion of a paraboloid rotated about a vertically disposed directrix, a feed line disposed within said member, an expanding chamber communicating with said feed



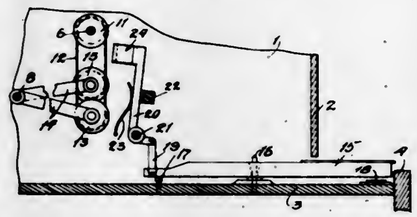
line, and an annular horn formed peripherally about and merging with said chamber and turned terminally inward toward said reflector surface.

2,549,144
MOLDING APPARATUS AND METHOD FOR REMOVING CREEP FROM RUBBER
John P. Truscott, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 12, 1948, Serial No. 26,486
21 Claims. (Cl. 18—34)



1. The method of reducing creep in an assembly comprising rubber interposed between and adhered to spaced opposed and relatively movable members, the steps of locating the members and rubber in a mold for vulcanization, at least partially vulcanizing the rubber, subjecting the rubber to stress by moving said members relative to each other while in the mold before the residual heat of vulcanization is dissipated, retaining the rubber in this stressed condition, and subjecting the mold and assembly to additional heat for further treatment of the rubber while in this stressed condition.

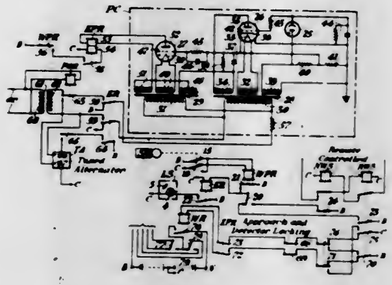
2,549,145
ELECTRICAL MUSICAL INSTRUMENT
Harold A. Vagtborg, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application July 28, 1944, Serial No. 546,995
4 Claims. (Cl. 84—1.15)



1. In a musical instrument, a series of pairs of opposed pulleys arranged for constant rotation during operation of the instrument, an endless magnetic wire trained over each pair of opposed pulleys, each wire having a musical sound magnetically recorded thereon different from that on the other wires, a pick-up head associated with each wire, said heads being mounted for selective and varying extent of movement into electro-

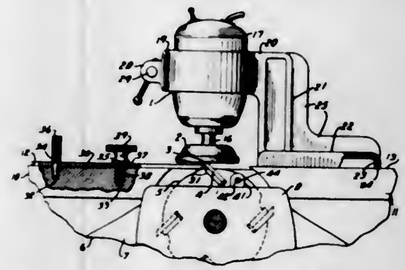
magnetic association with an associated endless magnetic wire, amplifying and audio means connected with said heads, a key for each head for moving said head into electromagnetic association with its associated wire, and means connected between said keys and said heads to cause operation of a pick-up head upon manipulation of the corresponding key.

2,549,146
TRAFFIC DETECTING MEANS FOR PROTECTING OPERATION OF RAILWAY TRACK SWITCHES AND THE LIKE
James J. Van Horn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 3, 1946, Serial No. 681,171
3 Claims. (Cl. 246—160)



1. In combination with a railroad track switch having a normal and a reverse position, approach and detector locking means for said switch, switch indication means controlled by said switch for indicating the normal and reverse positions of said switch and also the transit position of said switch intermediate the normal and reverse positions, power operated means for operating said switch between its normal and reverse positions, remotely controlled means having a normal and a reverse condition for at times controlling said power operated means to operate said switch to a position of correspondence with said remotely controlled means, a source of light positioned at one side of said switch to project a beam across said switch so as to be intercepted by a vehicle occupying said switch or closely adjacent thereto, means for energizing said source to cause projection of said beam controlled by said switch and said remotely controlled means to be effective only when said switch position is out of correspondence with the condition of said remotely controlled means, light sensitive means disposed on the opposite side of said switch in the path of said beam, a relay, a pickup circuit for said relay controlled by said light sensitive means and effective when said means is activated by said beam, a stick circuit for said relay including its own front contact and completed when said switch indication means indicates the transit position of said switch, a switch control relay effective when energized to render active the control of said power operated means by said remotely controlled means, and an energizing circuit for said switch control relay including a front contact of said first mentioned relay and governed by said approach and detector locking means to be effective when and only when traffic conditions adjacent the switch are such as not to be endangered by operation of said switch.

2,549,147
PORTABLE KNIFE GRINDER FOR WOODWORKING MACHINES
Bruce G. Walters, Elsinore, Calif.
Application January 29, 1948, Serial No. 5,015
1 Claim. (Cl. 51—173)



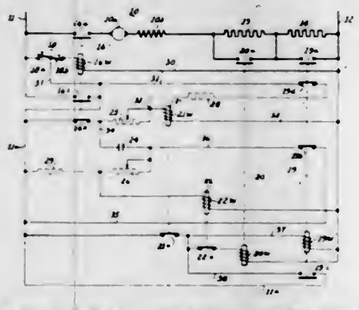
Apparatus for grinding straight edges on the cutter blades while same are secured to the cutter head in a woodworking machine comprising, woodworking machine tables having work supporting surfaces on which wood is moved over the cutters, one of said tables being adjustable vertically relative to the cutter to be ground, a stop on the other table and engageable with the cutter for gauging the position of a cutter blade during grinding, means pivotally mounting said stop on said machine table for rotation about a vertical axis, means having releasable engagement with the stop and table for locking the stop on the table in position to engage a cutter blade, a lock means releasably and frictionally engaging the end of the cutter head and machine and wedged therebetween for holding the cutter head against rotation in either direction, a motor having a vertically arranged shaft, an abrasive wheel mounted on and rotatable with said motor shaft, a bracket having a horizontal face resting on and slidable on the work supporting surface of the adjustable table of the machine, a horizontally disposed arm carried by said bracket, and means on the arm for adjustably securing the motor thereto, whereby the abrasive wheel is moved along the cutter blade by sliding the bracket over the work supporting surface of the adjustable machine table and the cutting edge is ground parallel to the work supporting surface with the amount of the blade removed by the wheel determined by the vertical adjustment of said table.

2,549,148
APPLIANCE FOR USE IN SHARPENING SAFETY RAZOR BLADES
Alfred Leonard Walton, Blackpool, England
Application November 8, 1948, Serial No. 58,937
In Great Britain June 28, 1948
4 Claims. (Cl. 51—80)



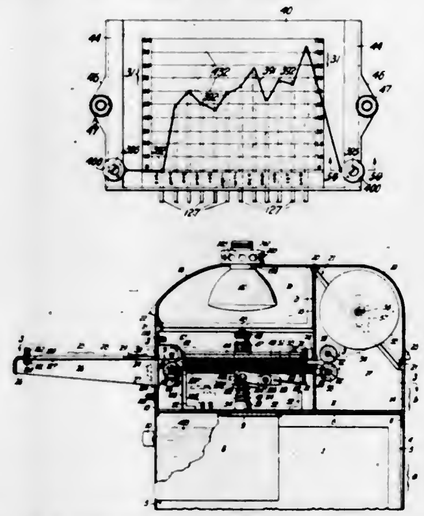
1. An appliance for use in sharpening safety-razor blades of the double-edged variety, the appliance comprising a lower frame part, a superimposed cover part fitting slidably and detachably over the lower frame part, two spaced rotatable sharpening rollers carried in fixed positions by the lower frame part, the distance between the axes of the said rollers being substantially the same as the distance between the cutting edges of the blade to be sharpened, two rotatable sharpening rollers carried in fixed positions by the cover part and distanced apart to substantially the same extent as the sharpening rollers on the lower frame part and so mounted that each roller on the cover part has peripheral contact with the corresponding roller on the lower frame part when the two parts are placed together, means for locating a blade on the lower frame part so that its cutting edges will lie in the nips between the contacting sharpening rollers of the lower frame part and the cover part, a single driving roller arranged for engagement with an outside surface and having a spindle engaged in and movable along elongated guide slots provided in the lower frame part and extending in parallelism with a plane passing through the axes of the sharpening rollers on this part, said guide slots being of such length relatively to the distance between the sharpening rollers on the lower frame part that when the driving roller is applied to the said outside surface and the appliance is moved in either direction along said surface, the driving roller will rotate and move along the guide slots into engagement with the one or the other of the sharpening rollers on the lower frame part, such rotary engagement causing this sharpening roller to rotate in a direction away from the corresponding cutting edge of the blade, and such rotation of the said sharpening roller causing rotation, also in a direction away from the same edge of the blade, of the corresponding sharpening roller on the cover part.

2,549,149
TIME DELAY CONTROL
Paul G. White, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1945, Serial No. 590,218
14 Claims. (Cl. 175—320)



1. In a time delay control the combination with a condenser, an electromagnetic relay having an operating winding and operative to pick up and to drop out at predetermined current values respectively in said winding, and connections for connecting said condenser and said winding in series with each other across a source of unidirectional voltage, of a by-pass circuit connected in parallel with said condenser and operative during the charging period of said condenser to provide an additional path for current flowing to said winding, a resistor in said by-pass circuit, and the resistance of said resistor and said relay winding being so related to the voltage of said source that a combined current greater than the drop-out current value of the relay flows through said resistor and said condenser to said winding after the charging current of said condenser has decreased below said drop-out current value and being further so related to the voltage of the source that a current having a value slightly less than the drop-out current value of said relay flows through said by-pass circuit to said winding when said condenser approaches a charged condition.

2,549,150
PRINTING DEVICE FOR PRODUCING GRAPHS, PRINTS, OR THE LIKE
Maurice B. Willis, Haddonfield, N. J., assignor, by direct and mesne assignments, of one-third to Charles C. Morrison and one-third to Richard Kubach, both of Philadelphia, Pa.
Application January 10, 1945, Serial No. 572,157
12 Claims. (Cl. 346—24)



2. In a machine of the species described the combination of a housing including a partition separating the same into front and rear sections with a transversely related light-proof plate having a planarly-related narrow passage therethrough; a rotatable supply of image-receptive sheet material in the rear section; cutter means in the front section closely paralleling the adjoining end of the light-proof plate; a platen having a resilient bed thereon with an associated relatively-movable transparent form-plate in the front section; means for variably-projecting multiple transparent or translucent bar-like elements, bearing graph-indicia, into the front section along the lower surface of the form-plate; means for advancing a definite length of the image-receptive sheet material, from the rear section, through the plate narrow passage into the front section and over the surface of the platen bed; means operative to press the form-plate onto the sheet-material and platen bed; cooperative means for subsequently withdrawing said length of the sheet-material from off the platen bed; means for projecting light under timed exposure through the form-plate and indicia-bearing elements to impart an image of the latter to the sheet material; and mechanism including a friction-clutch actuable to control movement of the sheet material advancing means; the depression of the form-plate, the

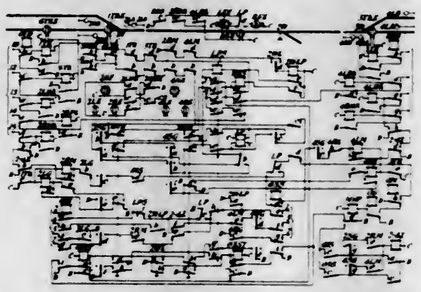
cutter means, the light projecting means, and the withdrawal of the impressed sheet, all in cyclic relation.

2,549,151

CONTROL APPARATUS FOR CENTRALIZED TRAFFIC CONTROL SYSTEMS OF THE CODE TYPE FOR SINGLE TRACK RAILROADS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 9, 1946, Serial No. 668,363
14 Claims. (Cl. 246—3)



1. Railway traffic controlling apparatus for governing traffic movements in a stretch of single track railway equipped with a reversible signaling system having an entering signal at each end controllable by a signal control relay in accordance with traffic conditions in the stretch when the corresponding traffic direction is established, comprising a directional relay for designating the direction of traffic movement, a signal lever and a signal clearing relay for each signal all located at a control office, a code type communication system for transmitting control codes to the signal locations to operate the signal control relays and for transmitting indication codes to the office for indicating traffic conditions in the stretch, means for operating said directional relay in response to the reversal of either signal lever to a position designating the corresponding traffic direction provided said signal clearing relays are deenergized and the unoccupied block condition is indicated by said code system, means acting when a control code is transmitted with either signal lever reversed for energizing the associated signal clearing relay, means rendering such code effective to operate the corresponding signal control relay to effect the clearing of its signal only if such signal clearing relay is energized, and means for maintaining such signal clearing relay energized until an indication code is received which indicates that the operated signal control relay has been restored to its normal position.

2,549,152

REEL CARRIER

Thomas J. Addison, Kissimmee, Fla.

Application December 5, 1949, Serial No. 131,220
1 Claim. (Cl. 242—94)

A portable hand tool having a handle for carrying a spool of material, comprising: a double arm yoke at one end of the handle forming spaced parallel supporting limbs effecting a continuation of the said handle, axle bearings at the free ends of the limbs, a shaft forming an axle removably journaled in said bearings, a tensioned turning arm joined with the axle outside of the yoke and having an outwardly bulged notched latching extremity for releasably interfitting the limb adjacent thereto when said arm radially coincides with the same in overriding contact, and an arm receiving hook-like keeper on said limb adjacent to said arm for holding the latch



extremity in pressed engagement under tension with the arm when they coincide with each other and interfitted and also to prevent turning of the latter in but one direction for the releasing of the latch extremity.

2,549,153

FOLDING TOP FOR AUTOMOBILES

John W. J. Ackermans, Detroit, Mich.

Application May 1, 1946, Serial No. 666,413
18 Claims. (Cl. 296—107)



15. In a vehicle body of the type having upper and lower sections delimited by a belt line; a door hingedly mounted on one side of the body and including a slidable window and a rotatable window located forwardly of the slidable window, said windows having adjacent rectilinear edges, a fixed windshield assembly having a rearward extension forming the forward portion of a roof, and a top forming the rear portion of the roof and movable to a down position within the rear portion of said lower section and to an up position in abutting relation to said extension to form therewith a juncture aligned with said edges, said top including side rails and constituting the sole connection above the belt line between said extension and the rear portion of said lower section, said extension forming a support for the forward end of said top when the latter is in up position.

2,549,154

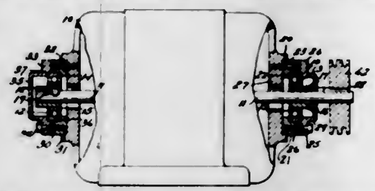
BALL-BEARING MOUNTING

Francis M. Amos, Wheeling, W. Va.

Application September 29, 1947, Serial No. 776,808
1 Claim. (Cl. 308—178)

In a bearing mounting for the shaft of a motor having a housing with a shaft carried by ball bearings in the ends of the housing, said housing having counter-bores in the outer surfaces of the ends concentric with the shaft, flanges with bores for the shaft and having annular recesses to receive the edges of bearings positioned in the counter-bores of the housing, means securing the

flanges to the housing, a complementary flange at one end of the housing having a bore for the shaft and having an annular recess for the bearing, a complementary flange at the opposite end of the housing having a continuous web on one



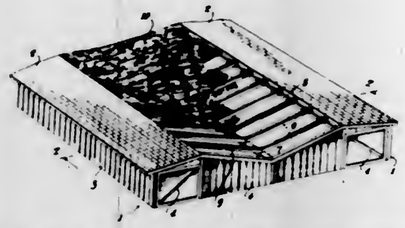
side and having an annular recess for the bearing in the other side, means securing the complementary flanges to the former flanges, a bushing having a bore for the shaft secured in the bearing, and means securing the bushing to the shaft.

2,549,155

BARN

Charles S. Ash, Milford, Mich.

Application August 2, 1945, Serial No. 608,485
5 Claims. (Cl. 119—15)



1. A farm building comprising, in combination, a pair of laterally separated, longitudinally extending substantially parallel roofed structures, a plurality of rafter-like members extending from the edge of the roof of each of said structures nearer the other said structure to substantially a central position between said structures, means for supporting the ends of said members between said structures upon the ground, said members from each said structure being substantially parallel to each other and downwardly inclined from said roof edges to their ends centrally between said structures forming a V shaped trough to receive animal feed forming a roof supported by said members, said structures being substantially entirely open at their sides facing each other, said structures being high enough to at least accommodate a horse and said ends of said members between said structures being supported above the ground to about the height of a sheep, said members being of sufficient length to accommodate several animals lengthwise thereof.

2,549,156

BALL PITCHING DEVICE

Henry G. Atwell, Lake Villa, Ill.

Application January 24, 1948, Serial No. 4,130
7 Claims. (Cl. 124—4)

1. In a ball pitching device, a tubular base, treadle means mounted on one end of the base, a ball throwing member pivotally mounted at the other end of the base and having a bent arm extending into the hollow of the base, and a flat, jointed strip connecting said treadle means and ball throwing member and extending through said tubular base, said strip having a pivotal joint



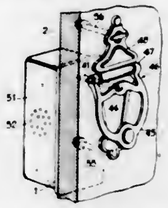
adjacent each juncture of adjoining tube sections.

2,549,157

AUDIBLE SIGNALING DEVICE

Charles G. Auth, Malba, and Alfred H. Schramm, Springfield, N. Y., assignors to Auth Electrical Specialty Co., New York, N. Y., a corporation of New York

Application March 16, 1946, Serial No. 654,943
11 Claims. (Cl. 116—169)



1. In an audible signalling device, the combination of: a base plate, a pair of sounding elements, means including said base plate for vibratably supporting said sounding elements in spaced relation, a striker, means carried by said base plate for pivotally mounting said striker to swing substantially parallel to said base plate between said sounding elements, a manual actuating element displaceable substantially perpendicular to said base plate between limiting positions, means mechanically and resiliently interlinking said actuating element and striker, for normally maintaining said actuating element in one said limiting position, and for actuating said striker against said sounding elements successively, upon actuation and release of said manual actuating element, said means including a link member pivotally supported by said base plate and rotatable about an axis substantially parallel to said base plate, said link member being pivotally coupled to said manual actuating element, and being resiliently linked to said striker.

2,549,158

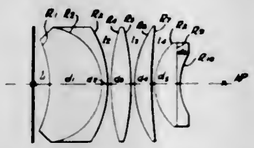
WIDE-ANGLE EYEPIECE LENS SYSTEM

Ludwig Bertele, Heerbrugg, Switzerland

Application April 17, 1947, Serial No. 742,031
In Switzerland April 18, 1946
4 Claims. (Cl. 88—57)

1. An eyepiece comprising, in combination, a field of view diaphragm and at least four separate, axially-spaced members, the first member which is closest to said diaphragm consisting of a body

having two lenses cemented along a crescent-shaped surface which is strongly curved in the direction of the eye, and which has a radius of curvature always less than 74% of the diameter of said diaphragm, the refractive index of the glass before the cemented surface being lower than after said cemented surface, the second member consisting of a collecting lens having small chromatic dispersion, the third member consisting of a collecting lens having small



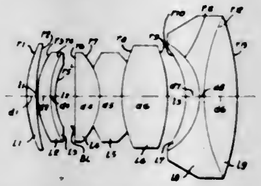
chromatic dispersion and surfaces of different curvatures, the surface having the greatest curvature being directed away from the eye, the fourth member consisting of a crescent-shaped body with its concavity turned toward the field of view diaphragm, with an axial thickness larger than 0.15 times and smaller than 0.9 times the total focal length, the curvature directed toward the eye having a radius which is larger than 0.5 times and smaller than 5 times the total focal length of the eyepiece.

2,549,159

HIGHLY CORRECTED PHOTOGRAPHIC OBJECTIVE HAVING FOUR AXIALLY AIR SPACED COMPONENTS

Ludwig Bertele, Heerbrugg, Switzerland, assignor to Henry Wild Surveying Instruments Supply Co. Ltd., Heerbrugg, Switzerland, a Swiss company

Application July 16, 1948, Serial No. 39,000
In Switzerland August 23, 1947
4 Claims. (Cl. 88—57)



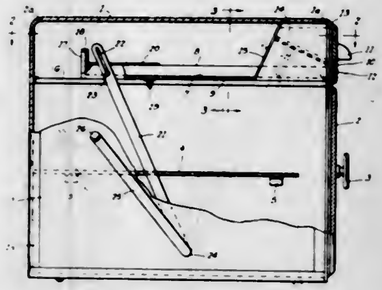
1. An objective, comprising at least four components in air, the first component and the third component being convergent, the fourth component being divergent, the second component being a meniscus curved toward the object, the air gap between the first component and the second component having the form of a divergent lens with its surface of greater curvature directed toward the second component, the air gap between the second component and the third component having the form of a convergent lens with its surface of greater curvature directed toward the second component, the air gap between the third component and the fourth component having the form of a convergent meniscus bent toward the image with its surface of greater curvature directed toward the fourth component, the third component having at least one cemented surface, the axial thickness of the third component being greater than 0.1f and smaller than 0.5f, wherein f is the total focal length of the objective, the fourth component having means causing a divergence of center rays.

2,549,160

SMALL TOOL STERILIZER

James Victor Bess, Leavenworth, Wash.

Application April 15, 1949, Serial No. 87,782
5 Claims. (Cl. 21—83)



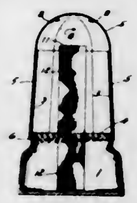
1. In a small tool sterilizer of the closed chamber type, the combination with a cabinet having spaced side rails dividing the cabinet into upper and lower chambers, and the upper chamber having an access opening therein, and a sealing hood for the opening of the cabinet, of a tool-supporting tray slidable on the rails, a front plate and a back plate rigid with the tray, sealing means on said plates for alternate coaction with said hood, and means for sliding the tray through the opening.

2,549,161

CAKE MOISTENER

John P. Bishop, Birmingham, Ala.

Application February 9, 1950, Serial No. 143,330
4 Claims. (Cl. 299—20)



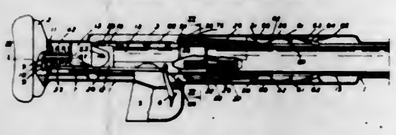
1. A moistener of the class described comprising, a round open top base member adapted for holding water, screw threads around the upper edge of the said base member, a second member having a round bottom edge portion with screw threads therein with the upper portion having a surrounding wall hexagon in shape, a flat panel integral with the top edge of the wall, said panel having an oblong slot in the middle portion thereof, said wall having an oblong slot in each of three of its hexagon panels with a blank panel between any two of said panels with slots, said second member screwed upon the said first member, a fabric wick mounted with its upper end held in said slot in the top panel of the second member with the bottom end of the wick extended into the base member; a third member substantially cup-shaped with its mouth portion being round and its remaining portion being hexagon in shape and having a plurality of vent-holes in each of three of its panels with a blank panel between any two of said panels with vent-holes therein.

2,549,162

RECOIL OPERATED FIREARM

Latham Valentine Stewart Blacker, Fittleworth, England

Application June 15, 1944, Serial No. 540,491
In Great Britain June 18, 1943
7 Claims. (Cl. 89—176)



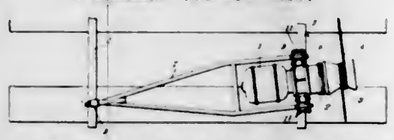
1. In a semi-automatic weapon comprising a fixed casing and an assembly slidable in the casing between a rearward cocked position and a forward firing position, said assembly comprising a barrel and a breech block movable relative thereto, a forward extension rigid with said breech block and extending telescopically over said barrel, forward lug-forming means on said extension, rearward lug-forming means carried by said barrel, latch means mounted outside and movable with said assembly to move radially inwards between said forward and rearward lug-forming means, and means for causing radial movement of said latch means into latching position during forward movement of said assembly.

2,549,163

HAULING MACHINE

Abel Léo Charles Blondelle, Paris, France, assignor to Enterprises Metropolitaines Et Coloniales, Paris, Seine, France, a society of the Republic of France

Application June 17, 1946, Serial No. 677,173
In France October 19, 1945
7 Claims. (Cl. 104—183)



1. A hauling machine which comprises, in combination, a railway carriage, a motor winch mounted on said carriage so as to have its center of gravity nearer to one of the rails of the track on which said carriage is supported than to the other, with the winding drum of said winch on one side of said first mentioned rail, a part rigid with said winch extending in the direction of said first mentioned rail, and at least two toothed jaws pivoted to said part about vertical axes disposed one ahead of the other and on opposite sides of said first mentioned rail respectively, said part being pivotable with respect to said rail about a vertical axis to bring said jaws into frictional engagement with said rail.

2,549,164

METHOD OF ATTACHING DECORATIVE PANELS TO WALL SURFACES

Samuel D. Bosco, Wood River, Ill.

No Drawing. Application February 15, 1947, Serial No. 728,966
2 Claims. (Cl. 154—141)

1. The method of attaching decorative panels to walls composed of brick, stone, concrete, tile, consisting of applying to said walls a sizing of magnesium sulfate solution, when the sizing is dry applying an initial layer of casein glue solution, when such initial layer is dry applying a layer of casein glue solution of thicker consistency, said thicker casein glue solution being applied to said decorative panel, and maintaining said decorative panel against said wall under positive pressure until the glue has set.

2,549,165

SPARK GAP SETTING DEVICE

William Launcelot Brackenbury and Henry W. Barnett, San Diego, Calif.

Application May 5, 1947, Serial No. 745,920
2 Claims. (Cl. 153—48)



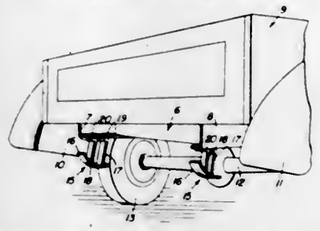
1. In a spark gap setting device for spark plugs: a housing; force generating means mounted within said housing, said force generating means including resilient means, detent means mounted on a trigger and movable thereby, and release means adapted to disengage said detent means as said trigger moves said detent means thereacross; force applying means associated with and adapted to be actuated by said force generating means, said force applying means including a seat engageable by one end of said resilient means and said detent means so that said detent means when moved by said trigger will cause the movement of said force applying means to compress said resilient means and said release means being adapted to disengage said detent means from said seat to permit the expansion of said resilient means subsequently to the compression thereof; and gauge means mounted upon said housing in operative relationship with said force applying means to provide a predetermined gap between the electrodes of said spark plug.

2,549,166

REAR FENDER GUARD FOR PICKUP TRUCKS

Gideon Brandt, Kramer, N. Dak.

Application January 28, 1949, Serial No. 73,332
1 Claim. (Cl. 298—17)



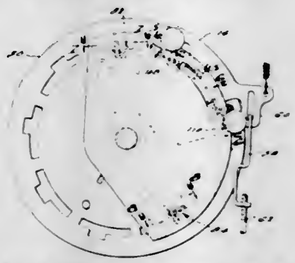
A fender guard attachment for the rear end portion of a pick-up truck comprising a rigid relatively broad arcuately shaped stop shoe having concaved and convexed sides, the concaved side of said shoe having integrated struts of varying lengths and vertically disposed when the truck chassis is in a horizontal position, said struts extending laterally from the intermediate portions of said shoe, the latter having laterally bent end portions which are adapted to be fastened to a channel-iron forming part of the truck chassis.

2,549,167
LIGHT CONTROLLING MEANS
Henry J. Brubaker, Joliet, Ill.
Application November 15, 1945, Serial No. 628,837
1 Claim. (Cl. 20—60)



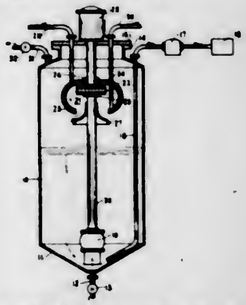
The combination, with a window frame having a rectangular panel-receiving opening, there being a single continuous groove formed in the inner surface of the frame and in communication with said opening, of fixed and movable panels mounted in said groove, the fixed panel having all its edges supported within the groove for restraint against up-and-down and side-to-side movement, the movable panel being formed shorter in length than the fixed panel for up-and-down sliding within the groove, said panels bearing against each other and being fitted snugly into the groove and each comprising a stop against front-to-back movement of the other, each panel having spaced parallel light-ray retarding areas and interposed areas affording less obstruction to the passage of light rays, all of the areas being of slat-like proportions, said areas respectively extending in depth through the full thicknesses of the respective panels and being of identical width, the movable panel being adjustable upwardly and downwardly a distance equal to the width of one of said areas.

2,549,168
INDEXING MECHANISM FOR BOTTLE DISPENSING MACHINES
Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application August 31, 1946, Serial No. 694,284
9 Claims. (Cl. 74—142)



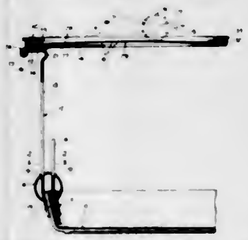
1. In a bottle dispensing machine, a drum, a shaft rotatably supporting said drum, an index plate secured to said drum, a stationary pawl plate supported in spaced relation to said index plate and carrying a pair of pawls, one of said pawls engaging said index plate to prevent reverse rotation of said drum, a movable pawl plate pivotally mounted on said shaft intermediate said stationary pawl plate and said index plate and carrying a pair of pawls, means for moving said movable pawl plate between a first position and a second position for driving said drum in a forward direction, one of said last named pair of pawls engaging said index plate during the just described movement of said movable pawl plate and serving as a driving pawl, the other of said first named pair of pawls engaging said index plate when said movable pawl plate is in said second position to prevent forward rotation of said drum, said movable pawl plate when in said first position being effective to hold said last mentioned pawl out of engagement with said index plate, and means operable when said movable pawl plate is in said first position for preventing forward rotation of said drum.

2,549,169
BLENDING APPARATUS
Anker L. Christy, Kenilworth, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application November 7, 1947, Serial No. 784,586
5 Claims. (Cl. 259—95)



1. A blending apparatus comprising, a vessel, conduit means communicating with the bottom thereof for introducing materials to be blended into said vessel to form a body of material therein, a centrally disposed conduit and pump near the bottom of said vessel for taking liquid from the lower portion thereof, a distributing head communicating with said centrally disposed conduit and maintained in fixed spaced relation therewith and having arranged thereon a plurality of orifices for liquid ejection in the space above the body of liquid in the vessel, concave deflecting means surrounding said distributing head for intercepting liquid discharged therefrom, and deflecting means under said concave deflecting means for intercepting the liquid drained from said concave surface, and returning it to the body of liquid in said vessel.

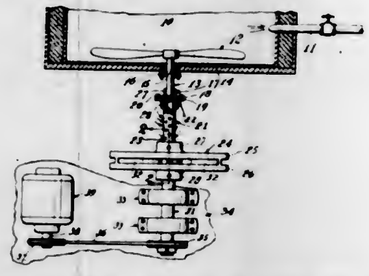
2,549,170
UTILITY DEVICE FOR COOKING RECEPTACLES
Eileen M. Clarke, Brooklyn, N. Y.
Application May 20, 1949, Serial No. 94,293
5 Claims. (Cl. 99—355)



1. A food supporting accessory for cooking vessels, said accessory comprising two hingedly

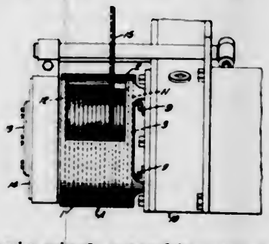
bar, the major part of which is arranged angularly to the tray member when the accessory is in set up position, means at the lower end of the bar for supporting the same upon a cooking vessel with the tray member disposed above and in spaced relation to the vessel, the upper end of the bar having an angular portion substantially paralleling the tray member, means forming the hinged coupling between said angular portion of the bar and said tray member, and said bar being swingable on said hinged coupling onto the upper surface of the tray member and substantially parallel thereto in collapsing the parts one with respect to the other.

2,549,171
BEARING COOLING DEVICE
William L. Clayton, Harmony, Pa.
Application April 17, 1947, Serial No. 742,189
1 Claim. (Cl. 308—77)



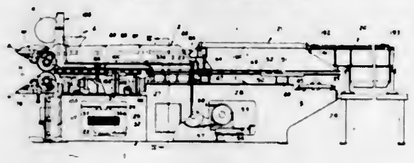
A bearing cooling device to be interposed between a heated shaft unit and a bearing comprising a pair of shafts at least one of which is hollow and adapted to be fastened to the heated shaft unit in axial alignment, a pair of radially disposed spaced apart discs of relatively large diameters and masses as compared with the shaft unit, impeller vanes connecting the discs, said discs and vanes connecting the pair of shafts at a spaced apart position from the junction of the hollow shaft and heated shaft, lateral openings in the hollow shaft between the junction of said shaft with the heated shaft and the radially disposed discs, and openings connecting the interior of the hollow shaft and the space between the radially disposed discs for drawing air out of the hollow shaft.

2,549,172
CABLE GUARD FOR WINCH ASSEMBLIES
Elmer F. Cline, Skippers, Va.
Application May 6, 1949, Serial No. 91,828
9 Claims. (Cl. 254—150)



1. In a twin winch assembly comprising a gear box, and a pair of cable winding drums having radially directed annular flanges at each of the ends thereof; a pair of cable guards for said drums, each of said cable guards comprising a substantially cylindrical tubular member surrounding one of said drums in proximity to the annular flanges thereof whereby to prevent the cable from slipping or moving over the edges of said flanges, a plurality of circumferentially spaced lugs projecting axially outwardly from one end of each of said tubular members, said lugs each including a radially inwardly directed portion having an aperture therein, bolts extending through said aperture to secure said tubular members to said gear box, a portion of the periphery of each said tubular member having a plane surface extending throughout the length of said tubular member, said plane surfaces of the tubular members abutting each other and facilitating assembly of said cable guards in said winch assembly, aperture means in the bottom of each of said tubular members for the discharge of refuse, and an opening adjacent the top of each said tubular member through which cable may be passed to the cable winding drum therein.

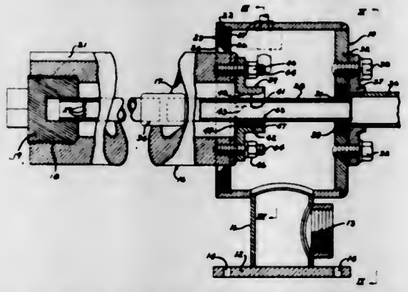
2,549,173
SEAM WELDING OF CYLINDRICAL ARTICLES
Howard C. Cogan, Bay City, Mich., assignor to National Electric Welding Machines Company, Bay City, Mich., a corporation of Michigan
Application March 1, 1947, Serial No. 731,733
5 Claims. (Cl. 219—6)



1. In a machine for making the cylindrical portion of a barrel by welding together the longitudinal, parallel edges of a piece of sheet material bent into a cylindrical form, the combination comprising: an elongated base; a lower circular electrode and means rotatably supporting same on said base; an arm longer than said cylindrical form spaced above and substantially parallel with said base, and an upper circular electrode rotatably supported upon said arm for cooperation with said lower electrode; an upstanding neck supporting said arm at a point remote from said upper electrode, said neck being supported upon said base; upper and lower, vertically and horizontally spaced lap rollers having substantially vertical axes and arranged in two, parallel, laterally offset and overlapping rows between said electrodes and said neck and disposed on opposite sides of, and equally spaced from, a line passing between said electrodes, through said neck and parallel with said base, said lap-rollers having concentric, cylindrical portions of reduced diameter extending toward a plane including said line and parallel with said base a distance substantially equal to the thickness of said sheet material, said cylindrical portions each terminating substantially within said plane, and the upper row of cylindrical portions being laterally spaced from the lower row of cylindrical portions a distance equal to the desired overlap of the parallel edges of said form, thereby holding said edges in face to face contact throughout their lengths; means energizing and rotating said electrodes; continuously acting means for urging said form past said neck and onto said lap-rollers; and means near said electrodes engaging said form for controlling the

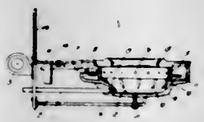
shape thereof, and holding said edges thereof snugly against said cylindrical portions of said lap-rollers.

2,549,174
WATER-COOLED SHAFT
Richard W. Coward, Birmingham, Ala., assignor to Fly Ash Arrestor Corporation, a corporation of Alabama
Application August 9, 1948, Serial No. 43,337
2 Claims. (Cl. 308—77)



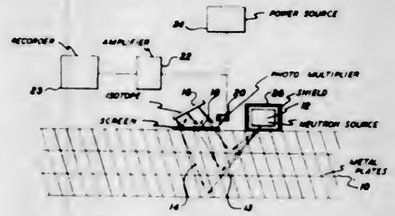
1. In apparatus for cooling a hollow shaft, a housing having an opening in one side through which the outer end of the shaft projects, a tube in the bore of the shaft projecting from the outer end thereof, there being an opening in the side of the housing opposite the first named opening through which the end of the tube projects, there being openings in the wall of the tube adjacent the inner end thereof, a bushing in the inner end of the shaft for slidably receiving the inner end of the tube, an annular weir adjacent the outer end of the shaft within the housing and surrounding the tube, at least three pins interposed between the walls forming the weir opening and the sides of the tube to hold the tube centered with respect to the opening in the weir, a conduit connected to the housing to supply water to the outer end of the tube, and an outlet in the housing for discharging water therefrom.

2,549,175
VAPORIZING TYPE LIQUID FUEL BURNER
Fred H. Cross, Lansing, Mich., assignor, by decree of court, to Otto C. Hartig, Holt, Mich.
Application May 13, 1947, Serial No. 747,675
2 Claims. (Cl. 158—92)



1. An oil burner comprising a burner pot having a dish shaped central portion to receive liquid fuel, said central portion having a bottom wall and a side wall, a plurality of grooves formed in the inside of said side wall tapering downwardly and inwardly from the upper edge of said central portion, a ring resting on said upper edge inwardly of the radially outer portions of the grooves whereby to form openings to admit primary air to said pot through said grooves, said ring having a plurality of equi-distantly spaced holes therein to admit secondary air to said burner pot, means forming an air chamber around said ring and upper edge of said central portion, a blower for furnishing air to said air chamber, and means connected to said pot for furnishing liquid fuel thereto.

2,549,176
DETECTION OF SCATTERED NEUTRONS
Kenneth C. Crumrine, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 31, 1947, Serial No. 751,506
9 Claims. (Cl. 250—71)



1. A method for determining the characteristics of a substance evidenced by the magnitude of the back scattering of neutrons which comprises bombarding said substance for a given period with a continuous flux of neutrons to bring about a back scattering of slow neutrons, causing the scattered slow neutrons to contact a fissionable isotope, causing the fission products resulting from said contact to impinge upon a fluorescent material to cause photon emission, converting the photons emanating from said fluorescent material to an electric current, amplifying said current and determining the magnitude thereof.

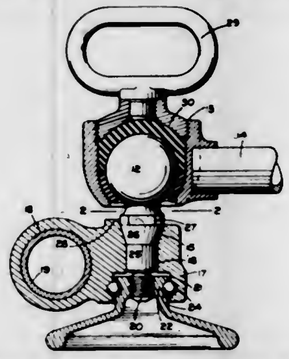
2,549,177
SIZED PAPER, COMPOSITION THEREFOR, AND METHOD OF MAKING SAME
Paul B. Davidson, Wilkinsburg, Pa., assignor to Strathmore Paper Company, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application March 21, 1949, Serial No. 82,702
13 Claims. (Cl. 117—156)

1. A paper having a wet tensile strength in excess of 900 grams and a wet rub value above 5, and characterized in having a sizing predominantly consisting of reaction product of glyoxal and paper-maker's modified starch, said glyoxal being present as one-fiftieth to one-twentieth by weight of the dry weight of starch.

2,549,178
BALL-AND-SOCKET COUPLING
Alexander Thomas Cameron Dear, West Bromwich, England, assignor to J. Brockhouse & Company Limited, West Bromwich, England, a British company
Application February 20, 1948, Serial No. 9,774
In Great Britain January 1, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 1, 1967
3 Claims. (Cl. 280—33.17)

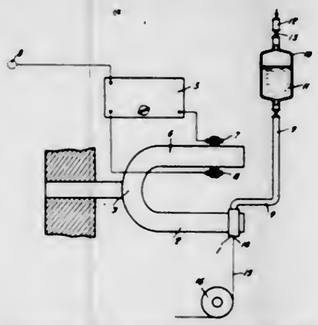
1. In a tractor trailer vehicle assembly, a coupling for connecting the trailer vehicle to the tractor vehicle, said coupling comprising in combination a draw-bar connected at one end to the trailer vehicle, a socket coupling member on the other end of said draw-bar, said socket coupling member being open on its under side, a ball coupling member mounted permanently within the socket member and having limited universal

movement relative to said socket member, a shank permanently and rigidly connected to said ball member and depending substantially vertically therefrom below said opening in said socket member, an attachment member on said tractor vehicle, said attachment member having a hole extending substantially vertically therethrough, said hole constituting a seating for said shank, said attachment member having a recess on its



under side in alignment with said hole, a threaded extension to said shank disposed wholly within said recess, a nut mounted rotatably and permanently within said recess and adapted for operative engagement with the threaded extension of said shank, a dependent tubular portion on said nut serving to shield said threaded extension to said shank, and said dependent tubular portion being adapted peripherally to be gripped for the purpose of effecting rotation of said nut.

2,549,179
DEVICE FOR THE MANUFACTURE OF ARTIFICIAL FIBERS
Marcel Delamare Debouteville, Neuilly-sur-Seine, France
Application February 17, 1948, Serial No. 8,962
In France July 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 1, 1961
2 Claims. (Cl. 18—8)

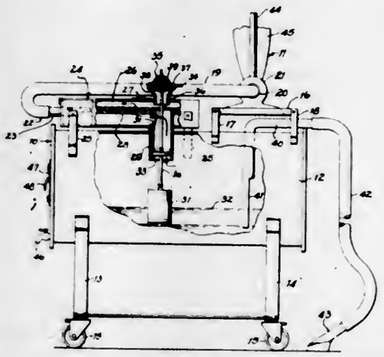


1. A device for giving periodical variations of section and profile to the artificial fibres obtained by spinning through a nozzle of coagulable solutions, which comprises a member capable of vibrations, a nozzle secured to said member, electro-magnetical means for imparting to said member a high frequency vibrating movement, a current amplifier for feeding said electro-magnetical means, and electro-magnetical means in connection with said member for producing in said amplifier oscillatory variations of the current with a frequency corresponding to the resonance frequency of said member.

2,549,180
DENTAL CEMENT
Jack De Ment, Portland, Oreg.
No Drawing. Application August 1, 1947, Serial No. 765,627
2 Claims. (Cl. 106—35)

1. As a new composition, for dental prosthesis, a cold-setting cement which comprises (*a*) an admixture with zinc oxide powder of approximately 20 to 80 per cent by weight of natural tooth enamel particles, said enamel particles being of approximately the diameter of natural tooth enamel rods, and (*b*) a liquid of specific gravity 1.5 to 1.85, said liquid comprising 33 to 50 per cent by weight of phosphorus pentoxide as phosphoric acid in 45 to 67 per cent by weight of water, whereby upon trituration of the said admixture, (*a*), in powder form, with the said liquid, (*b*), into a plastic, workable mass the said cold-setting cement is formed.

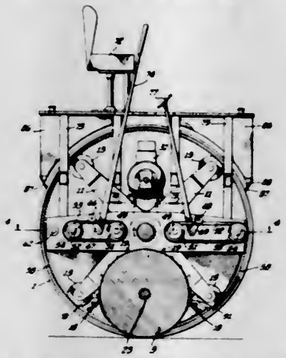
2,549,181
CLEANING APPARATUS
Luther Durham, Aurora, Ill.
Application December 31, 1948, Serial No. 68,540
3 Claims. (Cl. 183—39)



1. In cleaning apparatus adapted for connection to and operation with a source of suction such as a vacuum cleaner whereby to remove dirt solids and cleaning liquids from articles cleaned, a depositing chamber into which air laden with said solids and liquids are drawn by said suction, a filter chamber having therein a fibrous matting filter, a tubular member connecting said filter and depositing chambers and defining a pathway for the flow of air therebetween and through said fibrous matting, a suction pathway connecting the source of suction with said filter chamber on the side of the fibrous matting opposite the connecting cylinder, a valve connecting the atmosphere to the same side of the filter chamber as the source of suction, said valve having a seat and a closure member, a float, and a shaft connecting said float and valve closure member, the weight of said float being such as to effect buoyancy thereof at a predetermined level of collected liquid in said depositing chamber whereby to open said valve, said valve when opened connecting said source of suction with the atmosphere and when closed

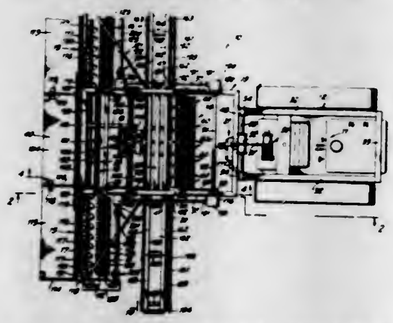
connecting the source to said depositing and filter chambers whereby to draw air from the depositing chamber through the filter chamber.

2,549,182
ROAD ROLLER
Edward D. Ekenstam, Los Angeles, Calif., assignor of one-half to Southwest Paving Company, Los Angeles County, Calif., a corporation of California
Application October 15, 1945, Serial No. 622,303
11 Claims. (Cl. 94—50)



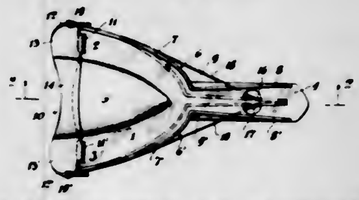
1. A road rolling machine comprising a pair of spaced heavy rollers, a main shaft about which said rollers are rotatable and which maintains them spaced and in alignment, weights positioned within said rollers and suspended from said shaft, with each weight being provided with a vertically extending slot, a small diameter idler roller positioned between said spaced rollers with its shaft slidably mounted in said slots to enable it to contact supporting surfaces of various inclinations, a platform positioned above said rollers, and brackets extended between said spaced rollers and supporting said platform on said weights, whereby said platform is maintained in a substantially horizontal position.

2,549,183
DITCH DIGGING MACHINE
Edward D. Ekenstam, Los Angeles, Calif.
Application May 23, 1947, Serial No. 750,121
11 Claims. (Cl. 37—90)



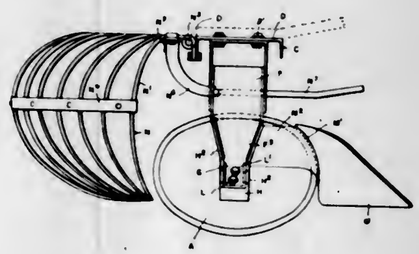
1. A ditch digging machine comprising, in combination, a frame adapted to be propelled along the course of the ditch and adjustable vertically with respect to the ground, excavating means carried by said frame for digging a trench in the ground as the machine advances, said excavating means being adjustable in its effective width to vary the width of the trench dug thereby, earth working means arranged to the rear of said excavating means for loosening and breaking up the earth on either side of said trench to a sloping grade, means for shifting said earth working means laterally to coincide with the sides of said trench, and angularly to vary the slope of the ditch side walls, and means for removing the earth loosened up by said earth working means and conveying the same to the margins of the ditch.

2,549,184
DENTAL IMPRESSION TRAY
Van Cortlandt Eliot, Garden City, N. Y.
Application January 29, 1948, Serial No. 5,120
7 Claims. (Cl. 32—17)



1. In a dental impression tray, the combination of a Y-shaped base plate having leg sections and a handle section, an interior wall arising from the inner edges of the said leg sections, a dam-forming section hingedly attached to the ends of the said leg sections, the said dam-forming section presenting outer wall portions, base wall portions, and a dam-forming plate portion connecting the inner edges of the base wall portion, the said plate portion being curved to generally conform to the outline of the hard palate, a lever hingedly attached to the handle section of the base plate, and means to connect the said lever to the upper part of each outer wall portion of the dam-forming section whereby the said dam-forming section may be rotated about its hinged axis.

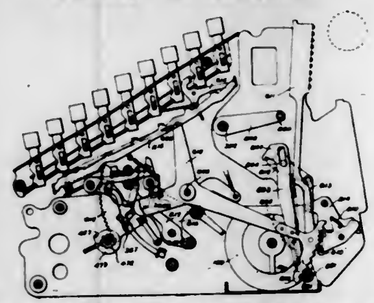
2,549,185
BEAN HARVESTER
Frederick B. Fitch, Detroit, Mich.
Application March 12, 1945, Serial No. 582,389
1 Claim. (Cl. 55—107)



A harvester for beans and the like, comprising a supporting frame, a pair of revoluble discs

having sharp peripheral edges mounted on said frame in oblique planes to converge from opposite sides of a row of plants into tangent relation to each other at a point beneath the surface of the ground and forming a trough therebetween above the ground, whereby in the advancement of said frame along the row the roots of the plants will be severed from the vines, gathering means for the vines in advance of each disc being also mounted on said frame to have its rear portion in the plane of and adjacent to the periphery of said disc, and its forward portion substantially parallel to the ground surface and slightly above the same whereby the vines and their pods will be passed between said discs and severed from the roots beneath the ground.

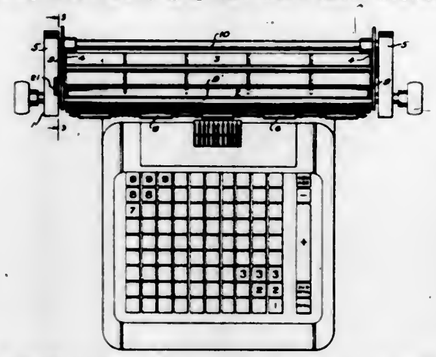
2,549,186
TOTAL TAKING MEANS FOR CALCULATING MACHINES
Howard M. Fleming, West Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application July 7, 1948, Serial No. 37,360
9 Claims. (Cl. 235—60.31)



2. In a calculating machine, a series of totalizer gears, actuator levers therefor, value printing means comprising type bars pivoted to said actuator levers, crawl tens transfer means between said totalizer gears, totalizing means for said gears comprising means for operating said actuator levers to rotate the totalizer gears to zero and raise the type bars to bring the correct digit type thereof approximately to the printing line, said actuator levers having alignor racks, auxiliary aligning means engageable with the proper one of a plurality of lower teeth of the alignor rack of a higher order actuator lever for lowering the same and the related type bar, main aligning means engageable with the alignor racks of all of said actuator levers, and means for first operating said auxiliary aligning means and subsequently operating said main aligning means comprising means in train with the totalizing means and operable upon completion of the rotation of the totalizer gears to zero.

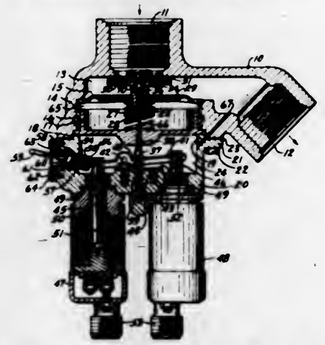
2,549,187
PAPER ALIGNER FOR RECORDING MACHINES
Howard M. Fleming, West Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 2, 1948, Serial No. 57,989
8 Claims. (Cl. 197—127)

1. In a listing adding machine having a shiftable carriage provided with a platen and a pivotal front-feed paper guide having an upper straight edge and pressure rolls engaging the platen to cause feeding of a work sheet during rotation of the platen; manipulable means for moving said paper guide to open throat position, to closed throat position, and to incomplete closed throat position prior to moving the paper guide to complete closed throat position, to loosely frictionally grip the work sheet between



said rolls and the platen to permit manual adjustment of the work sheet with respect to said straight edge to align the last printed entry on said sheet, and means operable by said manipulable means for rotating the platen subsequently to moving the paper guide to complete closed throat position to feed the work sheet for entry of a new item in given linear relation to said last entry.

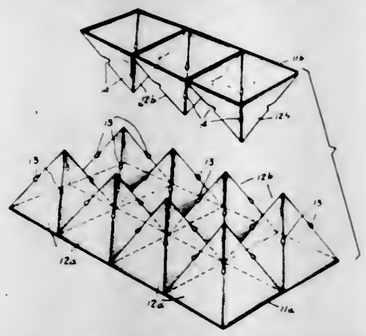
2,549,188
FLUID FLOW CONTROL VALVE
Raymond C. Forsnas, Los Angeles, Calif.
Application November 10, 1945, Serial No. 627,824
3 Claims. (Cl. 137—139)



1. In a valve for controlling the flow of fluid from a supply source to a demand source, said valve comprising a main body portion having a hollow interior with fluid inlet and outlet openings therein, the combination of a valve member to close the inlet opening; a diaphragm mounted in the hollow interior and connected to the valve member, said diaphragm expandable to close the valve member and contractable to open the valve member; a part to retain the diaphragm in the hollow interior; a pressure chamber formed by the diaphragm and the part; a spring within the chamber and effective to urge the valve member to closed position; a fluid orifice in the valve member and connecting the chamber to the inlet opening; a discharge opening in

the chamber, said opening in alinement with the orifice; seats formed in the orifice and the discharge opening; a valve element mounted in the orifice and the discharge opening and cooperating with the seats therein to open the orifice and to simultaneously close the discharge opening to increase the pressure in the chamber to a point where the combined effect of said pressure and the spring will overcome the pressure of the fluid at the inlet opening to expand the diaphragm and close the valve member, said valve element also effective to open the discharge opening and simultaneously close the orifice to reduce the pressure in the chamber to a point where the pressure of the fluid at the inlet opening against the valve member, combined with the reduced pressure in the chamber, will overcome the action of the spring to contract the diaphragm and open the valve member; a rockable part to actuate the valve element; electrical means coacting with the part to rock it to actuate the valve element to open and close the valve; and manual means coacting with the part to rock it to actuate the valve element to open and close the valve.

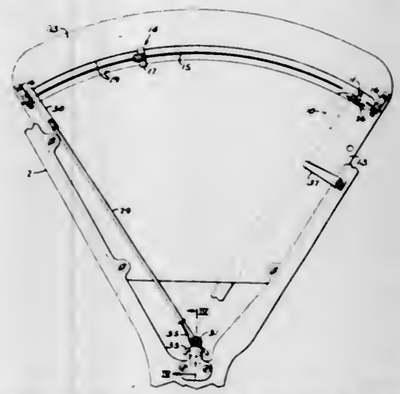
2,549,189
BUILDING CONSTRUCTION UNIT
Naum Gabo, Woodbury, Conn.
Application February 7, 1947, Serial No. 727,137
In Great Britain January 23, 1945
6 Claims. (Cl. 154—45.9)



1. A building construction unit comprising a pair of rigid plate-like elements, each element comprising a plurality of substantially closed geometrical projections of identical predetermined shape arranged in rows and having bases which are continuous with said element around the entire periphery thereof, each of said projections having four identical triangular panels each interconnected along its sides to the next and forming together a square open base, said elements being disposed in relatively inverted position with the projections of one element symmetrically intercalated between the corresponding projections of the other element, said projections being formed with interlocking means to prevent separation of said pair of elements after assembly.

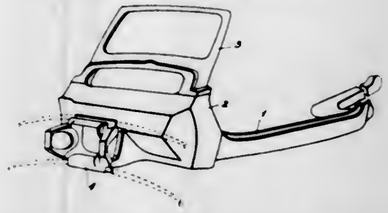
2,549,190
WEIGHING SCALE INDICATOR
Fred W. Gilchrist, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application May 19, 1945, Serial No. 594,737
4 Claims. (Cl. 116—129)

3. In a maximum load indicator for an automatic weighing scale employing a movable indicator, a track positioned closely parallel to the path of the indicator, said track being supported only at its ends, and a slider mounted on said



track, said slider comprising a formed U-shaped member having openings in its sides which engage said track, and a spring secured to said member and adapted to frictionally engage said track.

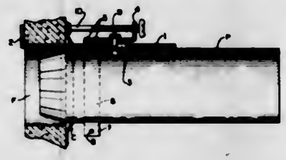
2,549,191
MOTOR VEHICLE AND ITS MANUFACTURE
Jean Albert Grégoire, Paris France
Application November 1, 1945, Serial No. 626,102
In France May 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1964
4 Claims. (Cl. 296—28)



1. An automobile chassis comprising, in combination: a rigid transverse member forming a portion of a dash and the main transverse member of the chassis; side sills secured at their forward ends to the respective ends of said transverse member and terminating forwardly at said member; a unitary cradle member comprising a base secured by a bolted connection to the central portion of said main member, upper and lower seats for transverse springs formed on said base, and spaced motor and transmission supporting portions extending forwardly from said base to free ends adapted to lie on opposite sides of the power assembly of an automobile.

2,549,192
STOVEPIPE FASTENER
Joseph H. Gresham, Louisville, Ky.
Application March 31, 1947, Serial No. 738,450
2 Claims. (Cl. 126—318)

1. Stovepipe fastener comprising an elongated clamping member formed with an offset hook and an elongated slot, an L-shaped member having a threaded orifice through one leg and an orifice in the other leg, a bolt passing through the orifice in said other leg, the stovepipe and said slot in the clamping member and a threaded bolt



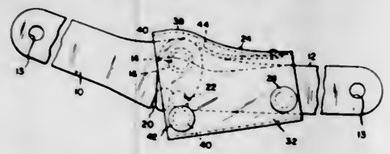
operable in the threaded orifice in the L-shaped member to act in opposition to said offset hook.

2,549,193
HAIR CURL CLAMP
Harry Grison, Jersey City, N. J.
Application December 27, 1949, Serial No. 135,252
1 Claim. (Cl. 132—46)



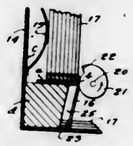
A hair curl clamp of the character described comprising a pair of plate-like upper and lower clamping jaws pivotally connected and provided at one end with operating handles for opening them and associated spring means for normally holding them closed, each of said jaws being of elliptical outline form and of substantially equal length and breadth, for cooperation for holding a curl clamped therebetween, the lower jaw being provided with an elliptical slot opening outwardly through its front end and forming converging spaced fork arms for engagement with the hair and the upper jaw being provided with a relatively small central opening for admission of setting solution to the curl clamped by said jaws and a series of other openings in the form of elongated slots bounding the same and disposed radially between the same and the periphery of the jaw.

2,549,194
CHECK ARM STRUCTURE
Clifford E. Hale, Ann Arbor, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application April 11, 1949, Serial No. 86,717
13 Claims. (Cl. 287—99)



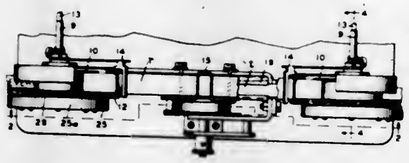
1. Check arm structure comprising a pair of arms, pivot means interconnecting the ends of said arms, said arms having slots adjacent said pivot means alignable when said arms are disposed in predetermined angular relation to each other, a locking pin carried by one of said arms positioned to enter said slots when they are in alignment, and resilient means urging said locking pin in a direction to enter said slots.

2,549,195
MAGAZINE CAMERA
Jens Peter Hansen, Copenhagen, Denmark
Application August 4, 1947, Serial No. 765,999
In Sweden April 2, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires April 2, 1960
2 Claims. (Cl. 95—19)



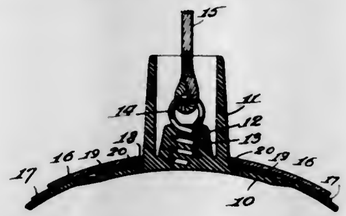
1. In a magazine camera, in combination, a casing; a magazine containing light sensitive elements, the said magazine being removably disposed in said casing; slidable means for rendering said magazine light impervious; a plurality of carriers for said light sensitive elements; projections formed on said carriers; a shaft rotatably arranged in a wall of said magazine; the said shaft having an exteriorly protruding head; a cam member provided at the inner end of said shaft for engaging said projections; a motion transmitting mechanism permanently disposed in said casing for actuating said shutter; a connecting element for disengageably connecting said protruding head and said motion transmitting mechanism thereby permitting withdrawal of said magazine from said casing while permitting simultaneous operation of said shutter and removal of said plates when said magazine is inserted in said casing.

2,549,196
TYPEWRITER RIBBON REJUVENATING DEVICE
Robert W. Harris, Garden City Park, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,508
6 Claims. (Cl. 197—171)



2. An inking device for rejuvenating the ink ribbon of a typewriting machine in which the ribbon is fed from one spool to another during operation of the machine, comprising an ink pad having an inking surface, and means for positioning said pad so that its inking surface lies adjacent to a face of one of the ribbon spools and in the path of travel of an edge portion only of the ink ribbon to provide a wiping action between said edge portion and said inking surface only when the ribbon is being fed from one ribbon spool to another, said pad having a configuration such that its inking surface is spaced from the edges of the convolutions of the wound ribbon on said one of the ribbon spools adjacent to the inking surface of the pad.

2,549,197
STRIKING BAG BLADDER
John P. Hayes, Los Angeles, Calif.
Application May 28, 1947, Serial No. 751,077
1 Claim. (Cl. 272—77)



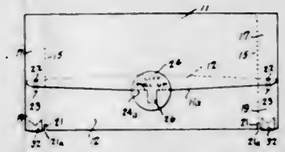
In a play or exercise ball, an inflatable bladder, an integral lug on top of said bladder, a suspension cord attaching member having its lower portion embedded in said lug and its upper portion projecting above said lug and a hand and knuckle protective wall integral with and projecting upwardly from the top of said bladder around said lug and said attaching member.

2,549,198
WELL CEMENTING APPARATUS
Landes H. Hayward, Los Angeles, Calif.
Application October 13, 1945, Serial No. 622,151
13 Claims. (Cl. 166—1)



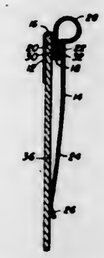
1. A valve structure for insertion in a casing string, comprising a pair of tubular members telescoping one within the other, one of said members being adapted to be secured to the casing portion above the valve, the other member being adapted to be secured to the casing portion below the valve, there being a port through the wall of each member, adapted to establish communication between the space within and the space without the casing, and a plurality of axially spaced annular sealing surfaces on each of said members extending transversely of the axis of said members, the sealing surfaces of one of said members being above and below the port therein and positioned to simultaneously engage the sealing surfaces on the other of said members to form seals between said members above and below the port in one of said members upon relative axial movement of said members to interrupt said communication.

2,549,199
COMBINATION ENVELOPE AND LETTER PAPER
Nicholas Hodska, Stratford, Conn.
Application July 12, 1948, Serial No. 38,265
5 Claims. (Cl. 229—92.1)



1. A combination envelope and letter paper comprising a central panel, upper and lower flaps connected along the upper and lower edges respectively of said panel by creased folding lines and of a width to overlap at their free edges when folded over the central panel, a line of tearing perforations along the opposite ends of the panel and flaps and spaced inwardly from their end edges to form narrow tear-off tabs, said tabs being gummed on their inner surfaces, a sealing tab secured to the upper flap at the top edge thereof provided with a gummed portion overhanging said edge for attachment to the lower flap when folded, and a loose pull-up tab forming a finger grip formed in said sealing tab.

2,549,200
PAPER AND PENCIL CLIP
Nall T. Hooks, Hopkinsville, Ky., assignor of fifty per cent to J. A. Burks, Hopkinsville, Ky.
Application June 13, 1949, Serial No. 98,785
5 Claims. (Cl. 24—66)

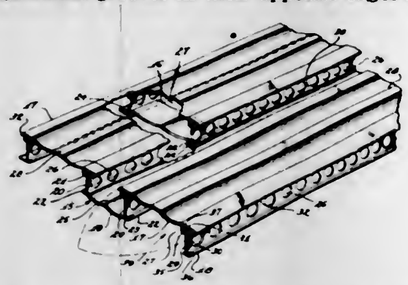


1. A pencil holder comprising a substantially U-shaped clip of resilient material having a web portion, said web portion having a recess therein, and a pencil embracing strip having juxtaposed ends mounted in said recess and yieldingly held in said recess.

2,549,201
VENTILATED AWNING
Charles G. Hunter, Santa Monica, Calif., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application March 17, 1947, Serial No. 735,192
3 Claims. (Cl. 20—57.5)

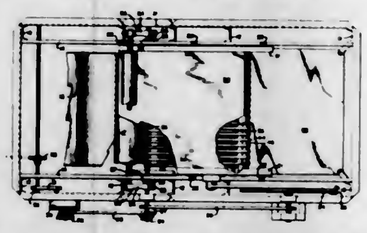
3. An all-metal ventilated awning comprising a plurality of parallel channel sections, each of said channel sections being formed with opposite parallel perforate legs and an intermediate web, the web defining complementary arcuate portions in cross-section terminating in a center rib, the outer edges of said web terminating in a hook-

shaped groove, and an enlarged head portion formed upon the upper edges of the legs of the channel, a plurality of upper plates joined to and bridging the distance between adjacent legs of adjacent channels, said upper plates having longitudinal grooves in their opposite edges slid-



ably receiving the longitudinal head portions of the legs of the channel, and longitudinal ribs extending lengthwise of the plates between the edges thereof to stiffen the same, the edges of the plates overhanging the legs of the channel and shielding the perforations in the legs of the channel.

2,549,202
CUTTING MACHINE
Jerome S. Idelman, Chicago, Ill.
Application July 12, 1946, Serial No. 683,252
12 Claims. (Cl. 164—20)



1. In a machine for cutting pieces of a desired shape from a continuous strip of cloth, a knife having a shape corresponding to that of the piece to be cut and including a portion that extends generally longitudinally of the strip and another portion extending transversely thereof, said knife being mounted for reciprocal translational movement longitudinally of said strip, a pressure roller mounted opposite to said knife with the strip of cloth passing between said knife and roller, a movable mounting for said roller providing movement of said roller toward and away from said knife, and mechanism for coordinating the reciprocal translational movement of said knife with movement of said roller.

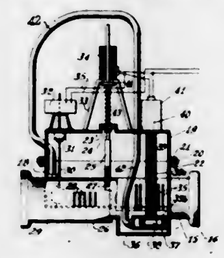
2,549,203
UNDERFEED STOKER, INCLUDING PROGRESSIVE OVERFEED GRATES
George P. Jackson, Flushing, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application November 27, 1946, Serial No. 712,479
2 Claims. (Cl. 110—47)

1. In a stoker, a retort extending longitudinally of the stoker, an overfeed grate comprising a multiplicity of parallel rows of bars extending transversely outwardly from one side of said retort and including at least three bars per row, the bars in a row being aligned with the outer end of one bar overlying the inner end of an adjacent bar; means for moving fuel from said retort onto said grate; a pivotal bearing at the underside portion of each of the bars and at the inner end of each of the bars in a row, the bearings of the bars of each row being aligned longitudinally with the bearings of the longitudinally adjacent bars; all of the bars in said rows, excepting the outermost bars, being freely supported at their outer ends on the upper surfaces of the inner ends of the next adjacent outer bars; a plate freely supporting the outer ends of the outermost bars; means on said retort side sup-



porting the pivotal bearings of all of said innermost bars; shafts extending longitudinally of the stoker and supporting the aligned pivotal bearings of all of said remaining bars; a rocker shaft for each of said bearing shafts spaced therefrom and parallel thereto, and arms connecting the rocker and bearing shafts; means for turning said rocker shafts back and forth through a predetermined angle including means for oscillating said rocker shafts in opposite directions to each other to thereby move the pivoted ends of the associated bars through oppositely rotating predetermined vertically inclined arcs whereby to cause the relative movement of adjacent transversely aligned bars to agitate the fuel bed thereabove and to assist its advance along the grate.

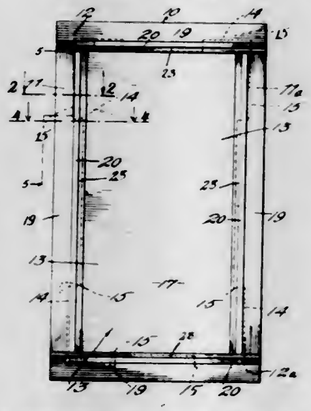
2,549,204
DRAIN CONTROL DEVICE
Oscar W. Kaddatz, Chicago, Ill.
Application September 11, 1945, Serial No. 615,679
1 Claim. (Cl. 182—1)



A drain control device designed to be interposed between a house drain and a conduit leading to a sewer, comprising a housing, alined pipe sections disposed in the lower portion of the housing and with their outer ends connecting with said house drain and conduit, respectively, said pipe sections being normally in communication at their inner ends and dividing the lower portion of the housing into a pair of laterally spaced compartments, openings in opposite sides of said pipe sections and communicating with said compartments to connect them with the house drain and conduit, respectively, a valve in the upper portion of the housing and movable downwardly to shut off communication between the inner ends of the pipe sections, a float in

the compartment communicating with the conduit and liftable by an abnormal rise of water in such compartment, means operated by the rise of the float to procure the stated movement of the valve, a pump chamber in the bottom of the compartment communicating with the house drain and extended with an outlet tube leading into the pipe section communicating with the conduit in by-passing relation to said valve, such tube being in the form of a loop rising to a sufficient height at its intermediate portion to normally prevent the passage of back water through the tube, and means also actuated by the rise of the float to put said pump into action.

2,549,205
FIRE RETARDANT DOOR
Benne Katz and Jack Schwartzberg, Brooklyn, N. Y.
Application November 9, 1944, Serial No. 562,726
3 Claims. (Cl. 20—35)



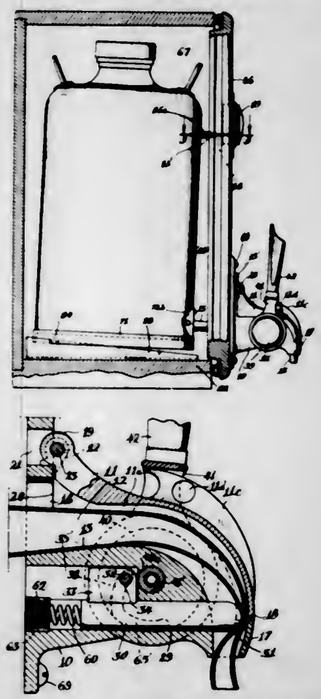
1. In a fire-retardant door including a panel member having the edges thereof provided with tenons, stile and rail frame members having arranged therein mortises to receive said tenons, fire-proof sheathing mounted on said panel and arranged to abut the mortise walls of the stile and rail frame members at the tenons of said panel, and fire-proof sheathing enveloping said stile and rail members said second mentioned sheathing having openings adjacent the mouths of the mortises.

2,549,206
BALE TIE
Ernest F. W. Keihl, Jr., Medina, N. Y., assignor of forty per cent to Eno Riemer, Medina, N. Y.
Application April 11, 1950, Serial No. 155,326
4 Claims. (Cl. 24—27)



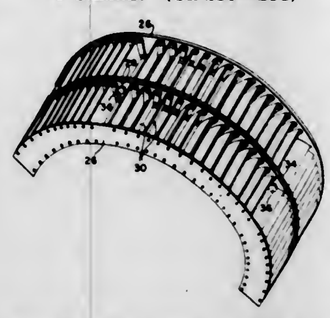
1. A bale tie comprising a wire having twisted shank portions at its ends and terminating in a loop with an opening therein at one end thereof and an upwardly extending hook at the opposite end thereof, the first twist portion of the wire adjacent the loop being inclined downwardly and rearwardly from the top and at one side of the wire and with a portion of the loop at said one side of the wire constituting a seat, the hook including an elongated bill portion consisting of parallel wire portions, disposed at an obtuse angle with respect to the horizontal disposition of the wire extending from the hook, which parallel wire portions terminate in parallel wire portions that constitute a throat forming said hook and which has an open end and a closed end, the open end of the throat being of slightly lesser dimensions than the cross-sectional dimension of the wire loop, so that when the loop is disposed in the throat in the absence of pressure and/or tension the hook end of the bale wire is at an obtuse angle with respect to the loop end of the bale wire, and when under pressure and/or tension the said hook and loop ends of the tie are brought into substantial horizontal alignment with the bill portion of the hook resting in the said seat adjacent the loop and serving to apply force to the throat portion of the hook.

2,549,207
FLUID DISPENSING CONTAINER WITH AN OUTLET, A VALVED, SUPPORTING CASING FOR SAID CONTAINER, AND A CONDUIT FROM SAID OUTLET TO SAID VALVE
Saul Kestenbaum, New York, N. Y.
Application June 26, 1945, Serial No. 601,635
4 Claims. (Cl. 222—185)



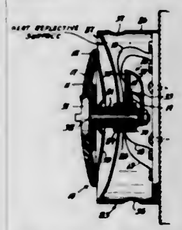
1. A fluid dispenser including a container for fluid storage, a flexible delivery tube on one end removably engaged with said container for fluid flow therefrom, a housing for said container having a removable wall for introduction and removal of the container in and from the housing, the tube being adapted to be inserted through an opening in the said wall, a discharge valve housing secured to said wall, a passage in said discharge valve housing for insertion of the delivery tube, a pivoted bracket adapted to serve substantially as the upper wall of the said valve housing passage to facilitate introduction and removal of the said delivery tube and a valve member adapted to penetrate the valve housing passage to selectively constrict and release said delivery tube intermediate the ends thereof for control of the fluid flow therethrough.

2,549,208
FAN AND METHOD OF ASSEMBLY AND DISASSEMBLY
Murray S. Kice, Jr., Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1946, Serial No. 671,022
3 Claims. (Cl. 230—134)



1. A fan wheel consisting of, a pair of annular ring end rims, and a plurality of blades extending between said rims disposed axially thereof and fixedly connected thereto, each of said blades having a foot at each end thereof fixedly connecting the said blades to the said rims, the said blades being positioned equidistantly from each other substantially by the said feet thereof in a regular occurring sequence, said sequence of said blades being broken at periodic intervals equidistantly positioned about said rims with a space occasioned by omission of a blade from the regular sequence thereof between adjacent blades substantially greater than the space between the blades in the regular sequence thereof, and means in each rim of the pair in the said greater space for receiving an attaching means whereby to mount said wheel on a support.

2,549,209
CONTROL APPARATUS
Lamont B. Koontz, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 26, 1948, Serial No. 35,462
16 Claims. (Cl. 323—68)



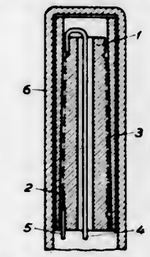
1. In a condition responsive control device, a base member adapted to be attached to a wall and having a circular wall and an outwardly facing concave portion, a circular convex member having a rearwardly extending stem member for attaching said convex member in spaced relation to said concave portion, heater means for said convex member, temperature responsive means in heat exchange relation with said convex member, said concave member being of greater diameter than said convex member and arranged to intercept at least a major portion of direct radiation from said convex member toward a wall on which said device may be located, a heat reflective surface on the outer face of said concave portion, and a concave member arranged to be moved along said stem from a position adjacent said concave portion to a position engaging the back side of said convex member to thereby variably insulate the back side of said convex member from the surrounding air.

2,549,210
PROTECTOR FOR TROUSER TYPE GARMENTS
H. Louise Krell, Hazleton, Pa.
Application June 14, 1949, Serial No. 99,017
2 Claims. (Cl. 36—2)



1. In a protector for garments of the trouser type, a tubular leg-enclosing portion comprising front and rear panels joined by side seams with the front panel projecting above the rear panel to provide a front bib, and elements of a snap fastener carried by said front and rear panels on opposite sides of one of said seams substantially at the top of said rear panel.

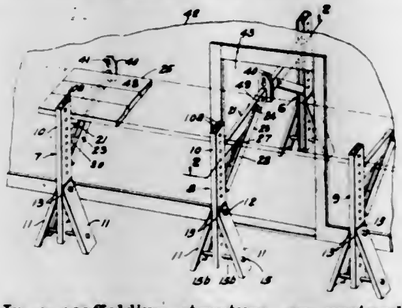
2,549,211
RESISTANCE ELEMENT FOR PYROMETERS
Uno Lamm, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application August 21, 1947, Serial No. 769,943
In Sweden August 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 21, 1962
6 Claims. (Cl. 201—67)



1. A resistance element for pyrometers, comprising a porcelain core, a wire of a metal having

a high melting point and low chemical affinity wound on said core, a porcelain tube tightly surrounding said core and wire, and a glaze having a high point of fusion filling the space between said core and tube and the interstices between the windings of said wire and gas-tightly enclosing said wire.

2,549,212
ADJUSTABLE SCAFFOLDING
Joseph M. Lane, Los Angeles, Calif.
Application March 8, 1948, Serial No. 13,713
4 Claims. (Cl. 304—2)



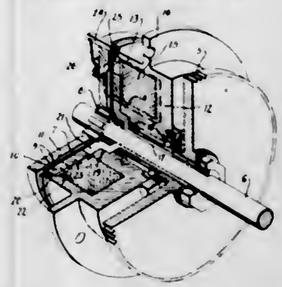
3. In a scaffolding structure, an upstanding channel shaped standard, a channel shaped horizontal beam, means for detachably connecting one end of said beam with the standard, a brace arm below and directed at an acute angle to said beam, said brace arm being channel shaped and having its flange portions at the outer end straddling the beam with the web of the brace arm abutting the under side of said beam, fastening means extended through the straddling flange portions of the brace arm and said beam, a length of strap metal fixed within the brace arm channel and having a notched end part projecting from said channel at its inner end and into the channeled standard, and a plurality of pins mounted transversely on said standard for engagement with said beam and the notch of said projection.

2,549,213
SUBIRRIGATOR AND SOIL FERTILIZER
Frederick H. Lawrenz, Dallas, Tex.
Application July 2, 1946, Serial No. 680,989
2 Claims. (Cl. 285—97.5)



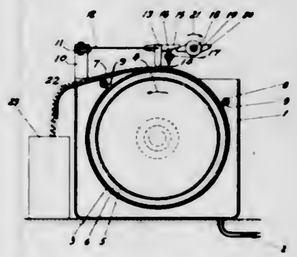
1. A swivel pipe joint including an upper stationary pipe section having a collar affixed thereon and spaced upwardly from its lower end, a lower rotatable pipe section, a reducer threaded on said lower pipe section, a nipple threaded in said reducer, an apertured cap threaded on the upper end of said nipple and adapted to rotatably receive the lower end and collar of said upper pipe section, a packing sleeve surrounding the lower pipe section below said collar, and means threaded on the lower end of said upper pipe section to retain said packing sleeve.

2,549,214
ELECTROMAGNETIC FRICTION CLUTCH
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Original application January 13, 1943, Serial No. 472,265. Divided and this application August 31, 1945, Serial No. 613,718
8 Claims. (Cl. 192—84)



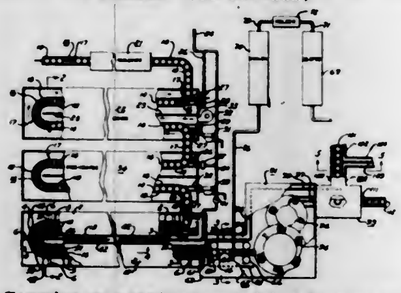
1. An electromagnetic friction clutch comprising a stationarily mounted magnet ring having concentric annular pole pieces and a coil disposed therebetween, said pole pieces providing axial facing ends, a plate rotatable about the axis of said annular pole pieces and having inner and outer magnetic portions lying adjacent the respective pole ends and magnetically separated radially from each other, a second plate of magnetic material rotatable with said first plate and yieldably urged axially toward the latter, a shaft rotatable about said axis, and a relatively thin disk fast on said shaft and disposed between said plates, said magnet, said second plate, and the inner and outer portions of said first plate forming a magnetic flux circuit of uniform reluctance around said coil and through said disk.

2,549,215
METHOD OF AND MEANS FOR PRODUCING BROKEN ICE
Svend Axel Jørgen Mansted, Copenhagen, Denmark
Application February 26, 1946, Serial No. 650,273
In Denmark July 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 30, 1962
5 Claims. (Cl. 62—105)



1. A device for producing ice chips in fragments, comprising a movable member having a smooth surface, means to cool this surface below the freezing temperature, means for supplying water to the said surface for producing a progressively thickening sheet of ice thereon, chisel members to break the ice sheet arranged for reciprocating movement perpendicularly to the ice sheet, resilient members tensioned to normally press said chisel members toward the movable member, means for actuating the said resiliently mounted chisel members to perform a series of strokes in rapid succession on the ice sheet, and means for removing the broken ice from the movable member.

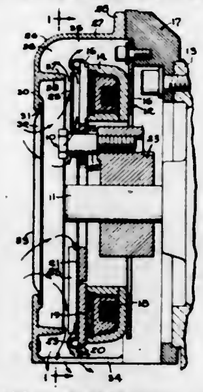
2,549,216
APPARATUS AND METHOD FOR PRESERVING PRODUCTS IN SEALED CONTAINERS
William McK. Martin, San Mateo, Calif., assignor to James Dole Engineering Co., a corporation of Nevada
Application August 9, 1947, Serial No. 767,726
7 Claims. (Cl. 99—182)



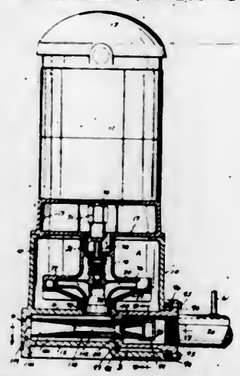
1. Canning apparatus comprising intercommunicating enclosure means having a container sterilizing section provided with an entrance for containers to be filled, a product filling section having means therein for filling the containers with a pre-sterilized product, a cover sterilizing section, and a section having means therein for closing the product filled containers with covers and having an exit for the covered containers; said entrance and exit being open to the atmosphere whereby steam introduced into the apparatus will exist at substantially atmospheric pressure; means for conveying the containers in upright position from said entrance and out through said exit; said container sterilizing section being provided with substantial clearance above the tops of the conveyed containers whereby said containers can not contact the top of said container sterilizing section; means for introducing flow of steam into said enclosure means for preventing inflow of outside air through all openings in said enclosure means; and heating mechanism for imparting external sensible heat to said steam to superheat said steam to a temperature at atmospheric pressure substantially in excess of 212° F. whereby said containers and said covers can be rapidly sterilized in said container and cover sterilizing sections.

2,549,217
FRICTION BRAKE COOLING SYSTEM
James A. Mason, Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, South Beloit, Ill., a corporation of Illinois
Application September 27, 1949, Serial No. 118,125
3 Claims. (Cl. 188—264)

1. The combination of a nonrotatable friction element having an axially facing friction surface, a coacting disk-like friction element mounted to rotate about the axis of said first element and adapted on one side for axial gripping engagement with said friction surface, angularly spaced outwardly extending vanes on the other side of said rotatable element operable to induce a flow of air outwardly along the rotatable element, and means defining an annular air chamber surrounding said friction elements and projecting axially across and beyond the peripheries of said elements, said means including an outer peripheral wall larger than said rotatable element and having an outwardly facing opening which constitutes an air outlet, an end wall axially spaced outwardly from said vanes, and an annular inner peripheral wall smaller in diameter than said rotatable element and extending from said end wall axially and inwardly toward said vanes, the inner end of said inner wall being disposed radially between the ends of said vanes and sufficiently close to the latter to prevent the air discharged from the outer ends of the vanes from reversing its direction of flow and flowing inwardly toward the inner ends of the vanes.



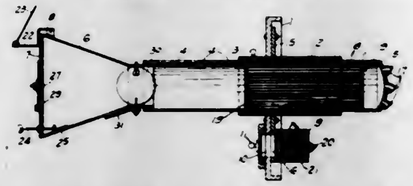
2,549,218
PUMP
Robert H. McBean, Fairview Village, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio
Application August 1, 1945, Serial No. 608,114
7 Claims. (Cl. 103—5)



5. In a pump, the combination of a hollow base and a surmounting casing providing two connected pressure chambers, one in the casing and one in the base, an opening from the exterior into the base pressure chamber, an impeller within the casing having its suction orifice by means of a passageway through the partition wall between the base and the casing, a fixed tubular member within the hollow base communicating at one end with the suction orifice of the impeller and at the other end having an open orifice within the base pressure chamber and registering with but spaced from said open-

ing from the exterior into the base, and a hollow member adapted to extend through the said opening in the base and engage at the inner end with the fixed tubular suction member in the base and adjacent the outer end with the wall of the base, said hollow member having a longitudinal passageway leading from the exterior to the inner end of the hollow member and having a lateral passageway leading from an orifice through the wall of the hollow member in a region within the pressure chamber in the base, said hollow member having internal passageway communicating with said wall orifice and adapted to discharge liquid under pressure from the pressure chamber in the base.

2,549,219
PREHEATING SECONDARY AIR FEEDING FURNACE DOOR MOUNTED DEVICE
John Francis McKeague, Thorold, Ontario, Canada
Application April 22, 1949, Serial No. 89,096
2 Claims. (Cl. 110—175)

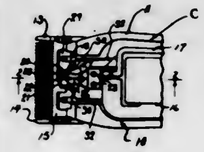


1. In combination with a furnace having a fire pot and a door thereabove, a combustion improving device comprising a mounting tube passing through said door, a draft tube slidable in said mounting tube to vary the distance to which the draft tube extends over the fire pot, a stop member passing through the wall of said mounting tube and receivable in any one of a series of holes in said draft tube spaced longitudinally of the tube for locking said draft tube in said mounting tube in any one of a plurality of extended positions, a bundle of tubes of relatively small diameter substantially filling the section of the draft tube which extends into the furnace, a damper on the outer end of said draft tube, and a plurality of draft dispersing nozzles on the inner end of said draft tube.

2,549,220
COATED WRAPPING TISSUE AND PROCESS OF MAKING SAME
Arthur Douglas McLaren, Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1948, Serial No. 8,299
11 Claims. (Cl. 117—76)

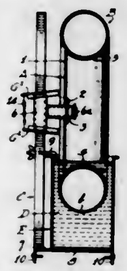
7. In a process for producing moistureproof wrapping tissue having a base of hydrophilic, hydroxylated organic polymer, the steps comprising appling to a smooth, dense, non-fibrous base sheet of hydrophilic, hydroxylated organic polymer a solution of a compound of the Werner type in which a trivalent nuclear atom of a metal of the group consisting of chromium, manganese, iron, cobalt and nickel is coordinated with a carboxylic acido group from the class consisting of saturated aliphatic carboxylic acido groups having less than six carbon atoms in the chain and bearing at least one dipole group and aromatic carboxylic acido groups bearing at least one dipole group, the amount of solution used being sufficient to apply to said base sheet from 0.2% to 1.0% by weight of said Werner type compound, calculated as the oxide of the trivalent metal, based on the dry weight of said base sheet, drying the base sheet to remove solvent, and thereafter applying a coating of vinylidene chloride copolymer on said base sheet.

2,549,221
DRIVING MECHANISM FOR HAIR CLIPPERS
Henry E. Meltzer, Racine, Wis., assignor to All-Over Manufacturing Co., Racine, Wis.
Application November 23, 1946, Serial No. 711,929
1 Claim. (Cl. 30—210)



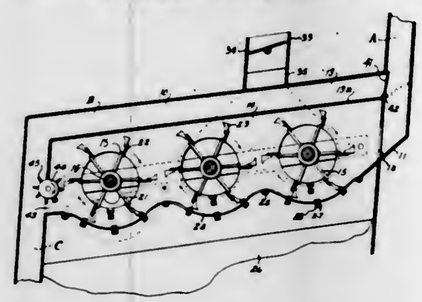
In hair clippers, a lever for operating the movable blade of a clipper blade assembly including an arm having side arcuate driving faces and a longitudinally extending slot between the driving faces and opening out at the forward end of the arm, and terminating short of the rear end of the arm, means operable in said slot for spreading the forward end of the arm and the driving faces away from one another including a screw adjustable into and out of the slot having a cone shaped spreading head, and a reinforcing plate for said arm detachably connected thereto for engaging the head of the screw to hold the same in an adjusted position, and said reinforcing plate having side flanges engaging the opposite sides of the arm in rear of said driving faces.

2,549,222
INNER TUBE TESTER
August Moebes, Vallejo, Calif.
Application June 10, 1947, Serial No. 753,680
2 Claims. (Cl. 73—49)



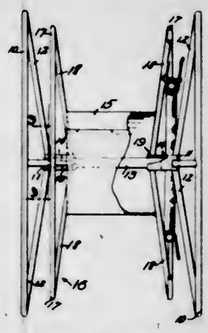
1. An inner tube tester comprising a tank for holding water, an upright standard mounted adjacent said tank and extending thereabove, a rotatably mounted reel disposed over the tank for supporting an inner tube in substantially an upright position, a reel-supporting member slidably carried by the standard and mounting said reel, and clamping means mounted on said reel-supporting member cooperating with said standard to automatically maintain the reel and its supporting member in selected positions along the length of the standard.

2,549,223
COTTON CLEANER
Arthur C. Moody, Calera, Okla.
Application April 10, 1946, Serial No. 661,161
8 Claims. (Cl. 19—93)



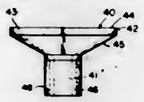
2. In a cotton cleaning device, a rotatable agitator including, an elongate shaft adapted to be rotatably mounted in a cleaner, a plurality of blade supporting members mounted on said shaft, a plurality of elongate agitator blades carried by said supporting members spaced from the shaft and extending parallel thereto, said blades being rectangular in outline and having their width extending radially with respect to the shaft, the inner corner at each end of each blade being cut away to form a beveled portion on said blade whereby the fan action of the blade is enhanced, and spaced agitator fingers carried by each agitator blade.

2,549,224
GARDEN HOSE REEL
Edward W. Moldovan, Lakewood, Ohio
Application August 2, 1945, Serial No. 608,492
3 Claims. (Cl. 299—53)



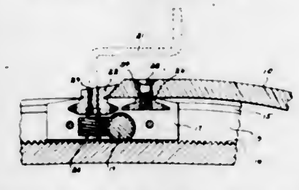
1. In a garden hose reel carriage, the combination which comprises a pair of ground engaging wheels, an axle on the ends of which the said ground engaging wheels are mounted in spaced relation, a hose carrying reel having spaced wheels with rims carried by spokes extended radially from hubs and having a drum positioned between and carried by the said wheels, said reel positioned between the ground engaging wheels and rotatably mounted on the said axle, a screw actuated clamp mounted on the outer surface of one of the wheels of the reel, a plurality of hanger hooks mounted in spaced relation on the outer surface of the wheel of the reel on which the said clamp is mounted, and a hose section having a male coupling on one end and a female coupling on the other carried by said hanger hooks with the end on which the said male coupling is positioned secured in said screw actuated clamp.

2,549,225
NONDRIP DISPENSING BOTTLE STOPPER
Arthur Moy, Detroit, Mich.
Application April 5, 1948, Serial No. 19,113
6 Claims. (Cl. 215—47)



1. A pouring, non-drip bottle stopper having a bottom portion received within a neck of a bottle and provided with a longitudinal groove defining a passage for pouring liquid without removing the stopper from the bottle, said stopper having a laterally enlarged top portion, the groove continuing along the under side of said top portion.

2,549,226
MEANS FOR HOLDING PRINTING PLATES TO ROTARY PRESSES
Robert R. Myers, Jr., Des Moines, Iowa
Application September 27, 1948, Serial No. 51,466
2 Claims. (Cl. 101—388)

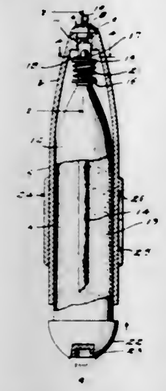


2. In combination with the frame of a rotary press; said frame being of a plurality of spaced apart spiral, dovetailed grooves each having teeth therein and a printing plate having spaced apart holes in its upper and lower marginal edge portions, a plurality of block members surrounding said printing plate and slidably resting in some of said dovetailed grooves, rotatable cleats on each of said block members capable of engagement with the marginal edge of said printing plate, worm gear means incorporated in each of said blocks and in engagement with the teeth of the dovetailed groove in which they operate, and screws extending through the holes in said printing plate and detachably threaded into adjacent block members; said worm gear means in the blocks at the sides of said plate being used to move the blocks in a direction toward said plate and the worm gear means in the blocks at the upper and lower ends of said plate used to move the blocks in a direction away from said plate.

2,549,227
WICK-FEEDING MEANS FOR APPLICATORS OF COSMETICS AND THE LIKE
Dezelle Ostrander, South San Francisco, Calif.
Application June 24, 1946, Serial No. 678,769
1 Claim. (Cl. 15—134)

An applicator comprising a shell, a substance containing reservoir disposed slidably through one end of the shell, the other end of the shell being formed with an opening, said cartridge being provided with a sleeve extension disposed

in the last mentioned opening, a flanged collar on the sleeve adjacent the reservoir, a second flanged collar through which the sleeve is slidable and bearing against the inside of the shell at the last mentioned end thereof, a compression spring interposed between the flanged collars and impinging against the same, a wick extending from within the reservoir and through the sleeve, said wick having frictional engagement with said sleeve, said sleeve being formed



with a longitudinal slot, the last mentioned flanged collar being provided with a tooth projecting inwardly through the slot of the sleeve and at an acute angle to the longitudinal axis of that portion of the wick extending inwardly into the cartridge to bite into the wick, said tooth being adapted to retain the wick against return, with respect to the shell on the inward movement of the reservoir with respect to the shell and outwardly of the reservoir, on the outward movement of the cartridge with respect to the shell.

2,549,228
KEY HOLDER
Dezelle Ostrander, South San Francisco, Calif.
Application January 30, 1948, Serial No. 5,313
1 Claim. (Cl. 70—458)



A device of the character described comprising a U-shaped member having a pair of openings adjacent the end of one leg thereof, and a bendable tongue formed integrally with the end of the other leg thereof and adapted to pass through an opening in a key and laced through said pair of adjacent openings to secure the same whereby a key may be pivotally mounted on said U-shaped member.

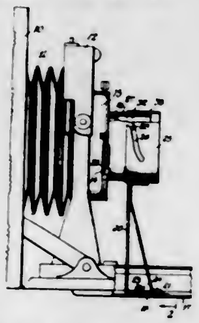
2,549,229
HOLDER FOR DOUBLE-EDGED RAZOR BLADES
Oscar Ottoson, New York, N. Y.
Application September 11, 1944, Serial No. 555,271
1 Claim. (Cl. 30—338)

A razor blade holder comprising an elongated flat resilient strip bent medially between the ends thereof to form a pair of confronting blade clamping members and a pair of handle forming members connected together at their rear ends, said blade clamping members being longitudinally bowed with the concave sides thereof innermost, the forward ends of said clamping members being fixedly secured together and said handle forming members cooperating with said clamping members in normally biasing the latter apart, a blade positioning member carried by the inner side of one of said clamping members, the other of said clamping members having an opening within which said positioning member engages when said



clamping members are disposed in blade clamping position, one of said clamping members having an elongated opening adjacent the rear thereof, and a locking member rotatably carried by the other clamping member engageable through said elongated opening and adapted upon rotation thereof to a position at right angles to the length of said elongated opening to lock said clamping members in blade clamping position.

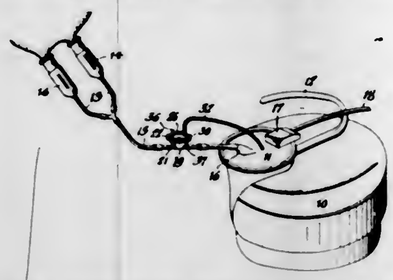
2,549,230
DEVICE FOR AUTOMATICALLY ADJUSTING THE DIAPHRAGM OPENINGS OF CAMERAS
Aubrey J. Parody, Astoria, N. Y.
Application December 30, 1947, Serial No. 794,470
1 Claim. (Cl. 95—64)



An adjusting device for cameras having a lens housing, a base plate and a diaphragm-operating element which comprises a control sleeve disposed in axial alignment with the lens, a curved slot on the periphery of said control sleeve, the curvature of which is determined in terms of the relation between diaphragm openings and object distances, a bracket supporting said control sleeve, means for adjusting said bracket on the base plate, a gage plate on the base plate in association with said bracket, said gage plate numerated in terms of factors, the values of which depend upon bulb "lumen," shutter speed and film speed, a fixed sleeve disposed on the lens housing and having a shouldered forward end, a rotatable collar on the fixed sleeve and limited in axial movement by said shoulder, a pin on said rotatable collar adapted to lie in the slot in the control sleeve, a finger on said rotatable collar having a slotted end to embrace the diaphragm-operating element, the normal focusing of the lens and its movement along its axis causing the pin to move in the slot and rotate the collar to

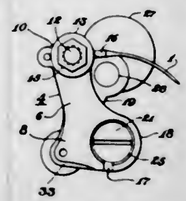
automatically adjust the diaphragm-operating element in a position related to the amount of movement of the lens.

2,549,231
ALARM DEVICE FOR MILKING MACHINES
Alfred G. Perkins, Grand Island, N. Y.
Application March 17, 1947, Serial No. 735,278
12 Claims. (Cl. 119—14.08)



1. The combination with a milking machine having a teat connection for conducting the milk by vacuum from the cow to a milk receiving can, of a self-contained, vacuum-responsive unit interposed in said connection and including a movable partition defining a milk flow chamber and a vacuum control chamber, and an alarm device in operative relation to said vacuum control chamber and rendered operative by a difference in vacuum present in said chambers when the flow of milk through the unit is reduced to a predetermined minimum.

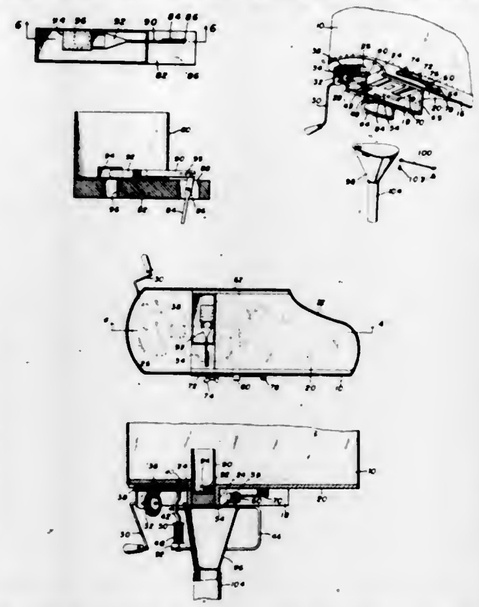
2,549,232
NEEDLE CARRIER
Bernard N. Pierce, Avon, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application January 30, 1950, Serial No. 141,318
10 Claims. (Cl. 112—162)



1. In a sewing machine, a support, an element having a hole therethrough and a duct extended from the exterior of the element into said hole, and a stud having bearing engagement within the hole to pivotally secure the element to the support, the outer end of the bearing surface of said stud terminating short of the duct.

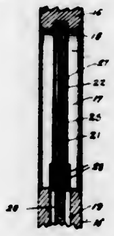
2,549,233
STRAP-SUSPENDED HOPPER CONTAINING A SECOND HOPPER, WITH MEANS TO VARY THE FLOW OF SEED FROM A DISCHARGE COMMON TO BOTH HOPPERS
Virgil R. Phillips, Campbellsville, Ky.
Application April 1, 1947, Serial No. 738,545
4 Claims. (Cl. 222—145)

1. A hand seed sower having a frame, a hopper with an apertured floor secured on said frame, an eccentric operable by a hand crank and a seed-directing spout assembly, comprising a plate pivotally secured to an arm on said frame and operatively associated with said eccentric, an apertured portion in said plate positioned to register with the apertured portion of said floor when the plate is in one position, whereby the sower may be operated to fractionally dispense seeds from said hopper, and a smaller hopper



securable within and supported by said hopper and having a base with an outlet registering with said apertured portion of said floor, a bifurcated feeder reciprocatively mounted on said smaller hopper to urge fractionally the contents of said smaller hopper into said outlet, a lever pivoted between its ends on said hopper base and having its ends engaging said feeder and said plate.

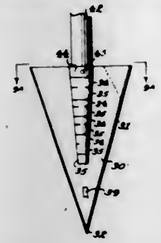
2,549,234
MOTOR VEHICLE WINDOW SCREEN
Edward M. Puffer, Calmar, Iowa
Application May 17, 1946, Serial No. 670,429
4 Claims. (Cl. 160—102)



1. In a screen for motor vehicle windows, a strip of mesh wire fabric, a frame secured around the edge of said strip, and channel means depending from the lower portion of the frame and receivable in a window pane receiving recess of a vehicle door or body and for receiving the upper edge of a window pane therein, whereby the pane may be partially projected for clamping the frame in the

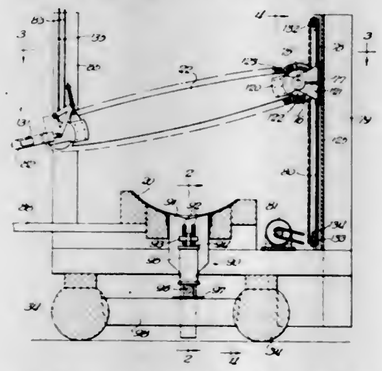
window opening, said frame being formed of sections hinged intermediate of the ends thereof for partially collapsing the window screen for positioning it in the window opening.

2,549,235
INTERLOCKED MULTIPLATE ARROWHEAD CONSTRUCTION
James C. Ramsey, Lincoln, N. Mex.
Application December 15, 1947, Serial No. 791,830
8 Claims. (Cl. 273—106.5)



1. An arrowhead comprising a body formed of a plurality of sheet material elements, each of said elements being partially of an arcuate configuration in transverse section, and each of said elements having a plurality of connecting bands formed integrally therewith along said arcuate portions and offset therefrom, said bands of one element intermeshing respectively with said bands of another element whereby a tapered shaft receiving socket is formed and whereby the shaft when in said socket will have in connection with said elements a binding action to tightly bind said elements together and whereby impact force of said arrowhead will tend to more firmly hold said elements and shaft together and a flange carried by each band having a width equal to the space between each pair of bands for closing said space and forming a closed shaft socket.

2,549,236
LOG BUCKING CHAIN SAW
Walter H. Rathert, Klickitat, and Charles A. Wilson, Glenwood, Wash., assignors to J. Neils Lumber Company, Portland, Oreg., a corporation of Minnesota
Application December 4, 1945, Serial No. 632,625
2 Claims. (Cl. 143—32)



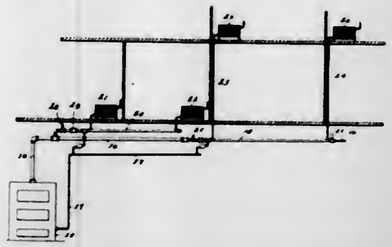
1. In a log bucking chute, a log holding trough, a vertical track at one side of said trough, a saw carriage mounted for vertical travel on said track, power operated lift means for raising and lowering said saw carriage, a chain saw extending across said trough and mounted at one end on a horizontal pivot on said carriage, power operated means on said carriage for driving said saw, said saw having a free end on the opposite side of said trough from said vertical track, a handle on said free end for swinging said saw in a vertical sawing plane on said horizontal pivot, a first control means on said handle to start and stop said saw, and a second control means on said handle to start, stop and reverse said lift means for rocking the saw in a cut during a sawing operation by manipulation of said handle and second control means.

2,549,237
COVER FOR POULTRY DRINKING TROUGHS
Earl W. Rau, Tacoma, Wash.
Application March 10, 1947, Serial No. 733,515
2 Claims. (Cl. 119—74)



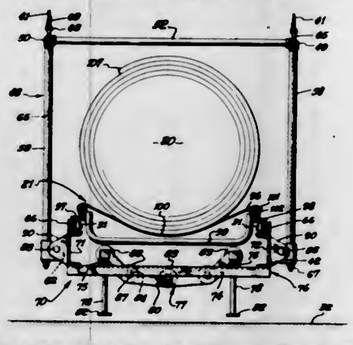
1. A removable cover for a drinking water tank for a flock of fowls, comprising an elongated sheet of metal having down-turned marginal flanges adapted to fit over the tank, said sheet being slightly shorter than the tank; said sheet having therein integral elongated down-turned troughs extending from end to end of the sheet and dipping down into the water in the tank.

2,549,238
HEATING SYSTEM AND APPARATUS
Karl L. Reinke, Oak Park, Ill.
Application October 15, 1945, Serial No. 622,262
9 Claims. (Cl. 237—68)



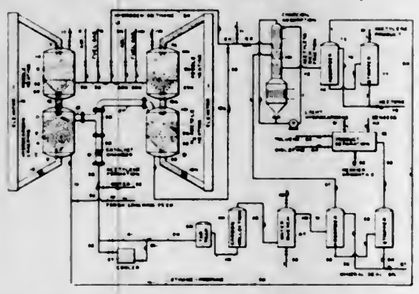
2. In a heating system, a main heater and main heat supply pipes extending therefrom, a plurality of radiators connected to the supply pipes at different distances and elevations from the heater, each radiator having a casing with a hollow expansion member movable therein by the application of heat, a partition forming an air venting opening, a weighted retarder on top of the partition for closing the opening and connected by a reduced stem to the expansion member, a valve spaced from the retarder on the stem below the partition for closing the opening when the expansion member is moved by the heat and air venting means connected to the heat supply pipes at the remote extremity of the main heating line to insure that the main heating line will receive heat to the extremity thereof in timed relation to the supply of heat to the individual radiators of the system.

2,549,239
APPARATUS FOR HANDLING ROLLS OF SHEET MATERIAL
David S. Robertson, Santa Monica, and Leslie J. Highfield, Los Angeles, Calif., assignors to Textile Handling Equipment Co., Los Angeles, Calif., a corporation of California
Application June 18, 1948, Serial No. 33,726
11 Claims. (Cl. 242—58)



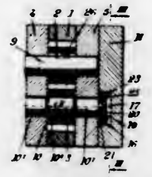
1. In apparatus for handling rolls of material, the combination with a storage compartment and a cradle adapted to support a roll of material thereon for longitudinal movement into and out of said compartment, comprising: a carrier frame having cradle support means adapted to receive by longitudinal movement a cradle with a roll of material thereon; roll support means on the carrier frame adapted to limited vertical movement relative to the carrier frame; and means connected to the roll support means and extending below the carrier frame to be engaged by a floor element prior to the carrier frame on downward movement thereof, thereby to elevate the roll support means relative to the carrier frame to support said roll of material free of said cradle.

2,549,240
ACETYLENE MANUFACTURE
Sam P. Robinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 8, 1948, Serial No. 58,893
10 Claims. (Cl. 260—679)



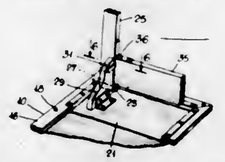
2. A process for the manufacture of acetylene, comprising contacting a mixture of ethylene and hydrogen with a catalyst consisting essentially of titanium dioxide at a temperature within the limits of 2000 and 2600° F. for a contact time within the limits of 0.01 and 1.0 second, whereby acetylene is formed, and recovering said acetylene as a product of the process.

2,549,241
ADJUSTABLE GEARING
Arille Rorive, Lyon, France, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux (Rhone), France, a French society
Application October 29, 1947, Serial No. 782,879
In France November 13, 1946
6 Claims. (Cl. 74—397)



1. In a device, a casing and two intermeshing pinions mounted in said casing, in combination with a crank piece including two portions of revolution having their axes eccentric with respect to each other, one of said portions being housed in said casing with angular adjustment about its axis and the other acting as a journal for one of said pinions, a key plate carried by the first of said cylindrical portions transversely thereto, said key plate having a non-circular outline eccentric with respect to the axis of said last mentioned cylindrical portion and being adjustable angularly about this axis, said casing being provided with an aperture having an outline of the same shape as that of said key plate, said aperture being adapted to accommodate said key plate when said shaft is assembled on said casing, and means for locking said key plate on said crank piece in a given angular position with respect to the axis of said first cylindrical portion thereof.

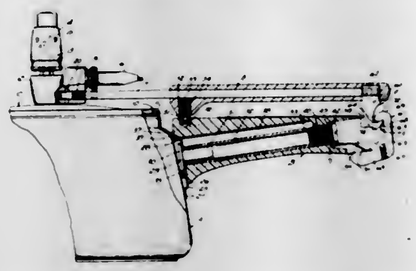
2,549,242
COLLAPSIBLE COMBINATION SCREEN AND TABLE
Ronald E. Ross, Long Island City, N. Y.
Application September 3, 1948, Serial No. 47,619
5 Claims. (Cl. 311—89)



1. A combination screen table device of the character described, said device comprising a plurality of hinged and collapsibly related rectangular sections of common size, end sections having, within boundaries thereof, leg members, means pivoting the leg members to outer corners of at least one of said end sections to swing into a position perpendicularly thereof, means for bracing each leg member when in extended position, means comprising a bar collapsible within each end section and movably coupled with a leg member in the section for bracing said leg member of said section with ~~a leg~~ member of an opposed end section, means retaining said bars in

operative bracing position, and means for reinforcing said sections where the legs are pivoted thereto.

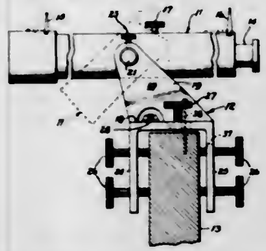
2,549,243
PRESSURE COOKER CLOSURE FASTENER
William J. Russell, Newington, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application January 19, 1946, Serial No. 642,356
6 Claims. (Cl. 220—25)



1. In a pressure cooker of the type comprising a vessel having an opening provided adjacent its margin with a downwardly facing seat, a handle secured to the side wall of said vessel and extending radially therefrom, a cover adapted to be inserted into said vessel through said opening and to seal against said seat, a resilient bar attached to said cover adjacent the central portion thereof and extending radially therefrom, and latching means on the outer ends of said handle and bar for securing the cover in place, the combination therewith of adjustable fulcruming means for adjustably fulcruming the bar on the handle and spaced therefrom comprising a socket carried by said handle adjacent the forward end thereof, a threaded screw secured to said bar and depending therefrom, a nut on said screw and having a pivot stud engaging in said socket, and a spring about said screw and bearing on the top of said nut for preventing accidental rotation thereof.

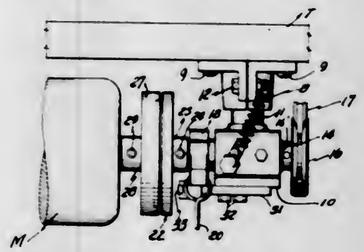
2. In a pressure cooker of the type comprising a vessel having an opening provided adjacent its margin with a downwardly facing seat and a cover adapted to be inserted into said vessel through said opening and to seal against said seat, the combination therewith of means for holding the cover in seated position comprising a resilient bar attached to the cover adjacent the central portion thereof and extending radially therefrom, a handle secured to the side wall of said vessel and extending radially therefrom, said handle being formed with a vertical slot in its outer end, means between the ends of said bar for fulcruming the same on said handle with the bar spaced from and generally parallel to the handle, a keeper secured to the outer end of the bar and depending therefrom, said keeper being formed with an outwardly facing hook portion adapted to enter the upper end of said slot when the bar is flexed toward the handle, and a latch member pivotally mounted in said slot having an upwardly extending arm provided with an inwardly facing hook portion adapted to engage with the hook portion of the keeper and having an actuating arm for releasing the latch member extending along the lower end of the slot whereby the bar may be flexed and the latch member may be actuated in a single handed operation.

2,549,244
SURVEYING INSTRUMENT
Henry Schuett, Algonquin, Ill.
Application January 17, 1949, Serial No. 71,369
4 Claims. (Cl. 33—46)



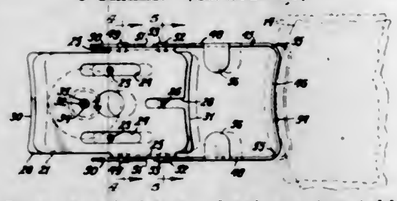
1. A sighting device comprising a telescope, a base having a web and pairs of spaced legs extending from opposite sides thereof, said pairs of legs being in angular relation to each other, one pair of legs forming a cradle, pivots supporting said telescope within said cradle, binding screws extending through said web and the legs of the other pair for clamping the base to a support, the screws in each leg being located in staggered relation and in both legs being located in opposed relation, and a slot in said web adapted to receive therein a nail or other point locating wire in the support for locating the telescope thereon in a predetermined location.

2,549,245
CLUTCH AND BRAKE FOR POWER-TRANSMITTING MECHANISMS
Walter P. Schultz, Saginaw, Mich.
Application May 9, 1947, Serial No. 747,021
3 Claims. (Cl. 192—18)



3. An adjustable power transmitting mechanism of the class described including in combination, a table, a support secured to the underside of said table, a clutch supporting member carried by said support and having an angularly disposed slot therein, a sleeve journaled in said supporting member, a drive pin on said sleeve and projecting through said angularly disposed slot, a rotatable shaft in said sleeve, a thrust arm on one end of said sleeve, a clutch plate secured to one end of said shaft, driving means in alinement therewith, a pulley secured to the other end of said shaft, said pulley and clutch plate holding the sleeve between them against relative axial movement and forming thrust surfaces for said sleeve, manually operable means for axially shifting said sleeve and clutch plate into driving engagement with said driving means, resilient spring means connected to said drive pin and support for shifting said sleeve and clutch plate out of driving engagement with said driving means, a bracket secured to the lower face of the clutch supporting member and a brake member adjustably mounted on said bracket, said brake member being positioned to engage one face of the clutch plate when the manually operable means is released under the yielding action of said spring means to shift the mechanism to its disengaged position.

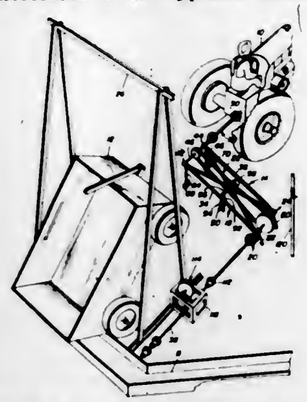
2,549,246
DISK RECORD FEED MECHANISM
Erich Schweitser, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application June 24, 1949, Serial No. 101,187
3 Claims. (Cl. 274—10)



1. In a record changer having a turntable, a stationary center post rising from the center of said turntable and having an upwardly facing seat adapted to support the lowermost of a stack of records adjacent its center hole, a supporting post located on the side of said turntable remote from said seat, a horizontal slide on said post and reciprocable longitudinally toward and from said center post, and means for reciprocating said slide, the combination therewith of means for rendering said slide operative for small size records, comprising a U-shaped member having a cross part and a pair of arms each having a longitudinal slot at one end, pivot pins projecting from said slide into said slots and permitting said U-shaped member to swing about a horizontal axis arranged transversely of the line of movement of said slide and permitting movement of said U-shaped member lengthwise of said arms, and a supporting pin projecting from said slide parallel with one of said pivot pins and arranged to enter a slot provided in the corresponding one of said arms, said last slot extending from its open end in a direction parallel with said first slots and toward said center post whereby upon swinging said U-shaped member toward said center post and to a horizontal position to bring said supporting pin into said last slot and then moving said U-shaped member horizontally away from said center post, said supporting pin releasably supports said U-shaped member in a horizontal position extending toward said center post, the upper edge of said cross part, in said horizontal position of said U-shaped member being depressed relative to the upper edges of said arms to form shoulders having a height of approximately the thickness of a record and withdrawn, on retrograde movement of said slide, to a position beyond the edge of the lowermost record of said stack of small size records whereby upon forward movement of said slide and U-shaped member said shoulders push said lowermost record of said stack of small size records from the center post seat and permit it to fall by gravity to said turntable.

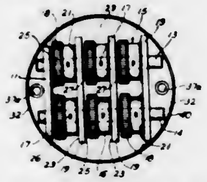
2,549,247
DRIVE TRANSMITTING DEVICE
Wayne A. Scott, Saunemin, Ill.
Application May 7, 1948, Serial No. 25,671
4 Claims. (Cl. 74—15.6)

1. In combination with a power take-off unit of a power vehicle and a driven device, means for transmitting power from the take-off unit to the driven device comprising an open frame having a first and second end, a drive shaft rotatably journaled in the first end and extending laterally therefrom, a driven shaft rotatably journaled in the second end and projecting laterally therefrom in an opposite direction from



the drive shaft, pulleys fixed on the medial portions of the shafts, means connecting said pulleys, bearing members on the second end of the frame, said bearing members being rotatably disposed on the journaled end of the driven shaft, whereby the first end of the frame can be moved into and out of axial alignment with the power take-off unit.

2,549,248
GAME SCORING DEVICE
William H. Scott, Rochester, N. Y.
Application May 14, 1949, Serial No. 93,329
9 Claims. (Cl. 235—117)

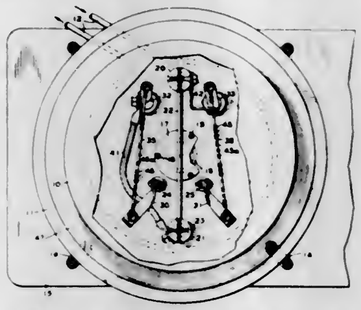


1. A scoring device comprising, in combination, a score-indicating ring having scoring indexes formed thereon, a support on which said ring is mounted for rotation and axial movement, a fixed radially extending member positioned adjacent said ring, cooperating axially extending ratchet elements on said member and ring to retain the latter in adjusted position, and a spring engaging said ring to urge said ring yieldably and bodily axially toward said member to retain said elements in engaging relation.

2,549,249
METHOD OF DRAWING FILLED TANTALUM TUBES
Donald S. Seabury, Boston, Mass., and William D. Buckingham and Clarence R. Deibert, Southampton, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 22, 1947, Serial No. 723,616
3 Claims. (Cl. 29—155.42)

1. A method of drawing a tube of tantalum or other refractory metal adapted for use in

an electrode structure in a concentrated arc discharge lamp, which comprises passing heating current through the tube in a high vacuum to remove occluded gases and impurities therefrom, passing heating current through a conductor in said vacuum in such manner as to heat a quantity of copper until the copper evaporates and condenses on the outside of the tube to form a coating thereon, filling said tube with



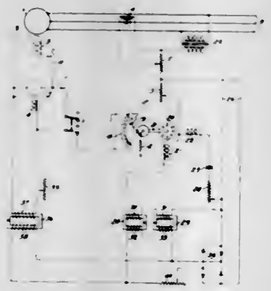
a core of an electrode-forming material, sealing the ends of the cored tube, electroplating the coated tube with a further coating of copper, drawing the coated tube through successively smaller drawing dies to reduce the diameter and increase the length of the tube, and subsequently removing the copper coating that remains on said tube after the drawing operations.

2,549,250

VOLTAGE REGULATOR WITH PHASE SPLITTING CIRCUIT CONTROLLED BY INDUCTIVE DAMPING MEANS

Daniel J. Sikorra and Dale V. Hotson, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 5, 1949, Serial No. 79,832
4 Claims. (Cl. 322—19)



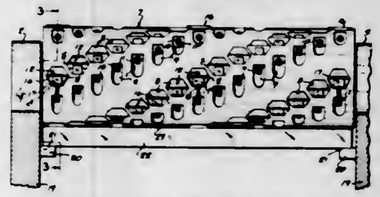
1. In a system for maintaining a quantity substantially constant, the combination of a circuit supplied with alternating current of magnitude proportional to said quantity, a direct current circuit for controlling the magnitude of said quantity, a motor for controlling the magnitude of the voltage of said direct current circuit, said motor comprising a pair of cooperating coils connected in two parallel branches of said alternating current circuit, a saturable reactor having an inductive winding connected in series with one of said coils in one of said branches, a saturating winding on said reactor for varying the impedance of said inductive winding and thereby vary the current through said one of said coils to vary the torque of said motor, and means for energizing said saturating winding with a current which is a measure of the rate of change of said voltage comprising a damping transformer having its primary winding connected to said direct current circuit and its secondary winding connected to said saturating winding.

2,549,251

ROTARY CUTTER FOR PLANERS AND JOINTERS

Andrew C. Skelton, St. Louis, Mo.

Application September 19, 1946, Serial No. 697,899
4 Claims. (Cl. 144—221)



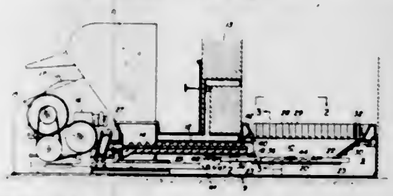
1. For use with a planer and jointer, a cutter comprising a cylinder having a plurality of radial hexagonal recesses arranged in a spiral series around the outer face thereof, a radially projecting hexagonal cutting bit removably mounted in each recess and having an enlarged shank portion at its lower end, and clamping means associated with each recess for releasably securing the cutting bit within the recess, said clamping means including a clamping block disposed entirely within the recess and having a lengthwise extending groove, and a clamping screw threadedly mounted in and projecting through the cutter, said screw having an inner end normally engaged in said groove for forcing the block retentively against the bit and being adapted, the groove engaging end of the clamping screw being of such length, even when loosened and partially withdrawn, to engage the shank portion in stop-forming manner if the bit tends to move radially outwardly from the recess under influence of centrifugal force when the cutter is in operation.

2,549,252

UNDERFEED STOKER, INCLUDING A FUEL FEEDER PREVENTING FUEL DRAG-BACK

John S. Skelly, Monongahela, Pa., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware

Application November 16, 1946, Serial No. 710,260
1 Claim. (Cl. 110—47)



Stoker mechanism comprising an open-top retort having a bottom wall extending in a substantially horizontal direction from the forward

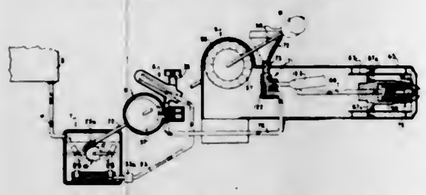
end of the retort throughout a major portion of the distance to the rear end, a fuel feed screw delivering fuel substantially horizontally into the forward end of the retort, a reciprocable fuel pusher bar extended horizontally into the retort from the region in front of the front end thereof at an elevation between the bottom wall of the retort and the feed screw, the pusher bar being located at the bottom wall of the retort and having its bottom surface substantially in contact with the bottom wall of said retort and being of lesser width than and located intermediate the edges of said bottom wall so that fuel introduced by the feed screw rests upon the top of the pusher bar and also upon the edge portions of the bottom wall at the sides of the bar, and fuel pusher elements movable with the pusher bar and projecting laterally therefrom at the bottom wall of the retort and having their bottom surfaces substantially in contact with the bottom wall of said retort and in position to work directly horizontally against fuel at said bottom wall at the sides of the bar, the pusher elements being positioned in the region of the front end of the retort and being of sufficient length to locate the working ends thereof within the retort and the other ends thereof in front of the front end of the retort in all positions of reciprocation of said elements with the bar.

2,549,253

LIQUID FUEL AND AIR MIXING AND SUPPLY MEANS FOR OIL BURNERS

Cecil W. Smith, Waterman, Ill.

Application July 2, 1945, Serial No. 602,815
2 Claims. (Cl. 158—36.3)



1. In an oil burning apparatus having a nozzle, the means for preparing and supplying an air and oil mixture to said nozzle for burning comprising an air and oil mixing unit, a cushioning chamber including at its lower end an upright inverted cone shaped portion terminating in an apex, an inlet at said apex and an outlet spaced above said inlet, a fluid conduit connected to said inlet and to the outlet of said mixing unit, and a second fluid conduit connected to the outlet of said cushioning chamber and to said nozzle, with said inlet and last mentioned outlet being laterally projected in the same direction from said cone portion and said inlet being of a substantially greater diameter than said outlet.

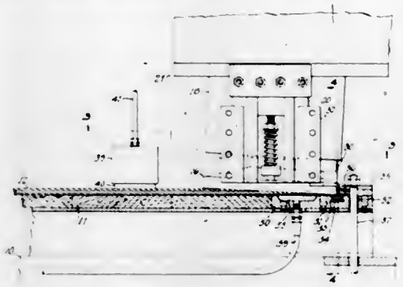
2,549,254

VACUUM HOLD-DOWN FOR MACHINES OPERATING ON FLAT STOCK

Harold A. Smyth, Olympia, Wash., assignor to Washington Veneer Company, Olympia, Wash., a corporation of Washington

Application May 18, 1946, Serial No. 670,717
2 Claims. (Cl. 144—278)

1. In a wood working machine having a table top adapted to support stock thereon and having a wood treating mechanism mounted for traverse across said table top, a series of cavities in said table top extending throughout the length of said traverse and adapted to be covered by said stock to form closed chambers in a number of said cavities depending upon the width of said stock, a suction manifold, said cavities being arranged in a series of groups, the cavities in each group being communicatively connected with each other and out of communication with cavities in other



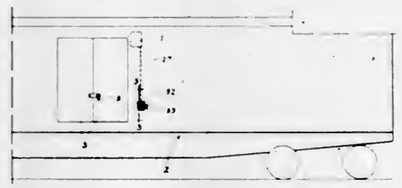
groups, a pipe connecting each group of said cavities with said manifold, valves in said pipes to cut off the suction from those groups of cavities not covered by stock whereby the closed chambers under said stock may be evacuated to a relatively low pressure to hold stock of different widths firmly against said table top, and a valve for controlling the suction in said manifold.

2,549,255

RAILROAD CAR GASSING DEVICE

Ward E. Snowden, Modesto, Calif.

Application February 14, 1949, Serial No. 76,253
3 Claims. (Cl. 99—258)



1. A device for the purpose described comprising in combination with a railway car, a source of high pressure gas disposed within the car, the car being provided with a recess formed in a wall of the car at a point separate from the door of the car and opening to the outside of the car, and means disposed in said recess and projecting into the car and being connected with the gas source and operative to release the gas from said source into the car.

2,549,256

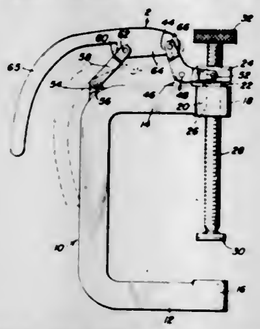
QUICK-ACTING C-CLAMP

James Sparling, New York, N. Y.

Application January 16, 1948, Serial No. 2,749
1 Claim. (Cl. 144—305)

A clamp comprising a substantially U-shaped body including first and second leg portions, a jaw on the first leg portion, a guide on the second leg portion in registry with the jaw, a support slidably and non-rotatably carried by the guide for movement toward and away from the jaw, a clamping screw adjustably carried by said support for positioning relative to the jaw, a bell-crank lever pivoted intermediate its ends on said second leg portion adjacent said guide and in-

cluding forward and rear bifurcated portions, the forward bifurcated portion of said lever receiving said support, pivots securing the forward bifurcated portion to said support, a handle having an end received between the rear bifurcated portion of said lever, a pivot pin securing the rear bifurcated portion to said one end of said



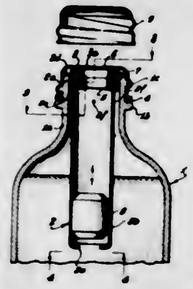
handle, and a connecting link terminally pivoted to said second leg portion at a point spaced rearwardly from said guide and to said handle at a point spaced rearwardly from said one end of said handle, to provide a toggle linkage between the rear portion of the bell crank lever and the second leg portion of the body of the clamp.

2,549,257
GOLF BALL RETRIEVER
Martin Staunt, Des Plaines, Ill.
Application November 4, 1949, Serial No. 125,566
2 Claims. (Cl. 294—19)



1. A golf ball retriever comprising an extensible pole having a plurality of telescoping tubular sections of successively smaller size, the smallest of said sections being provided at its end with an elongated metal ferrule, and a golf ball basket comprising a pair of half baskets, each half basket having three shanks of thin resilient metal wire and the shanks being arranged peripherally about a core fitting in said ferrule and secured with the shanks in said ferrule, each half basket having a main resilient wire loop with a rounded portion for surrounding a golf ball, and a pair of pear-shaped legs extending backwardly and provided with two of the said shanks extending parallel to each other, said loop being provided with an outwardly extending U-shaped hairpin bend at a point diametrically opposite said shanks, and each basket having a third resilient wire half loop provided with one of said parallel shanks and formed outwardly of said shank of substantially half the shape of said first-mentioned loop and provided at its outer end with a small bearing eye surrounding said U-shaped bend at its apex, the legs of the U-shaped bend serving as thrust bearings to prevent said eye from moving laterally upon said U-shaped bend to keep the eye centrally located with regard to the first-mentioned loop, said basket halves normally sprung toward each other to close the basket sufficiently to prevent a golf ball from emerging from the basket, but the basket halves being capable of being sprung apart far enough to readily receive a golf ball or the like, and a toggle member comprising an assembly of rigid metal links pivoted together and joining said half loop members, said toggle assembly including a pair of rigid struts surrounding the wires of said half loops and rigidly secured thereto, and said struts being pivoted to two central toggle links which are pivoted to each other and which move inwardly to receive a ball in said basket, but can be pivoted outwardly until the central pivot passes dead-center and engages a stop carried by one of said links to latch the basket halves in open position to be tripped by engagement of the said pivoted links with the ball.

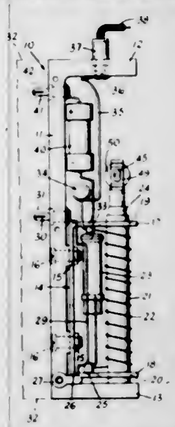
2,549,258
FOAM MAKING AND DISPENSING MEANS
Fred N. Stover, Los Angeles, Calif.
Application July 30, 1948, Serial No. 41,660
2 Claims. (Cl. 261—24)



1. The combination with a container having a neck, of a tube having an outer portion fitting the interior of the neck and a smaller diameter portion extending axially inwardly therefrom into the container and forming an annular shoulder between the smaller and larger diameter portions, a screen supported on the shoulder, a tubular rubber spacer above the screen, a second screen at the outer end of the spacer, the wall of said tube having a small perforation inwardly from the shoulder, and a free plunger reciprocally mounted in the smaller diameter portion of the tube for drawing liquid from the container through the small perforation and forcing it through the screens.

2,549,259
RADIO TUNER FOR HEARING AID APPARATUS
Einar A. Strommen, Merrick, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application January 10, 1948, Serial No. 1,568
4 Claims. (Cl. 250—40)

1. Radio tuner apparatus comprising an insulating support having an upright member and top and bottom side members extending substantially perpendicularly thereto, a tuned circuit including a capacitance and an inductance in parallel carried by said support between said top and bottom side members, and a substantially U-shaped shield having parallel portions secured



at opposite sides of said support to form front and rear sides of said apparatus and having another portion forming one other side of said apparatus, said upright and top and bottom side members forming top and bottom sides and another side of said apparatus.

2,549,260
STAPLE EXTRACTING DEVICE
Sherman E. Sudbury, Chicago, Ill.
Application April 4, 1947, Serial No. 739,417
10 Claims. (Cl. 254—28)

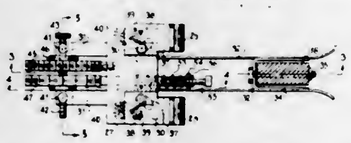


1. A device for extracting a staple from work secured by the same comprising a pair of opposed units, prying elements carried by the units and engageable with the staple to loosen the same when the units are gathered, and means rendering one unit movable longitudinally with respect to the other unit when the units are in the gathered position, the prying element of said unit being operable in such event to draw the staple free from the work, the units being pivoted to each other by a cross-pin at their outer ends, a slot in said unit receiving said cross-pin and extending inwardly therefrom, a second slot in the same unit extending inwardly from the first slot and spacedly alined with the same, a lateral branch from the outer end of the second slot in a direction toward the other unit, and a second cross-pin carried by the latter and passing through the end of said branch, the latter forming a clearance relative to the second cross-pin to permit the gathering swing of the units while locking them against relative longitudinal motion, and the units being capable of such motion when the second cross-pin becomes located in the outer end of said second slot.

2,549,261
CALCIUM SULFATE-EXTENDED TITANIUM DIOXIDE PIGMENTS
Roy W. Sullivan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1948, Serial No. 10,192
5 Claims. (Cl. 106—300)

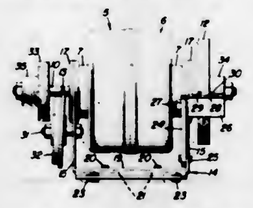
1. In a process for the production of an improved hydrophilic composite pigment comprising insoluble anhydrite calcium sulfate and rutile titanium dioxide, the steps of subjecting finely divided gypsum to a temperature between 600° C. and 825° C. until conversion to a porous anhydrite form of calcium sulphate results, blending said anhydrite with pigmentary titanium dioxide in the rutile crystalline form and subjecting the resulting mixture to dual grinding treatment consisting of pressure pulverization followed by fluid energy milling.

2,549,262
PICKER STICK CHECK
Samuel K. Taylor, Cleveland Heights, Ohio
Application April 29, 1947, Serial No. 744,631
18 Claims. (Cl. 139—163)



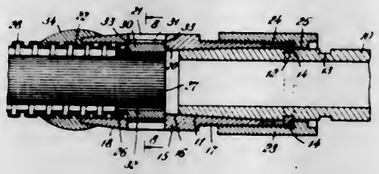
1. In a loom, means for checking outward movement of the picker stick in response to a blow delivered to the picker head by the shuttle, which comprises settable means for engaging the picker stick and dampening its outward travel, the checking effect of said means being due to frictional action, and automatic means responsive to the degree of checking effect exerted upon the picker stick during its outward travel for varying the setting of said dampening means upon the inward travel of the picker stick.

2,549,263
DENTAL INSTRUMENT SHARPENER
Donald Thompson, Missoula, Mont.
Application March 30, 1950, Serial No. 152,790
5 Claims. (Cl. 51—34)



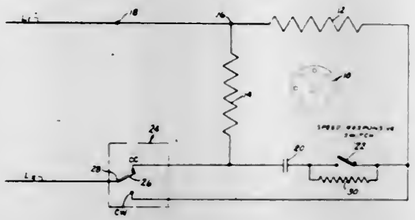
1. In a dental tool grinding device, a rotary electric motor having a rotatable and axially reciprocable horizontal drive shaft, a vertically disposed grinding wheel secured on one end of said drive shaft, the other end of said drive shaft having an annular peripheral groove and a combined friction wheel and swash plate journalled near one end of the motor and peripherally engaged with and in the groove of said drive shaft for axially reciprocating the latter when the same is driven.

2,549,264
ELECTRICAL CONTACT COUPLING FOR LIQUID COOLED CABLE
Leo H. Timmins, Montreal, Quebec, Canada, assignor to Chromium Mining and Smelting Corporation, Ltd., Sault Ste. Marie, Ontario, Canada, a corporation of Ontario
Application November 1, 1947, Serial No. 783,472
7 Claims. (Cl. 174—21)



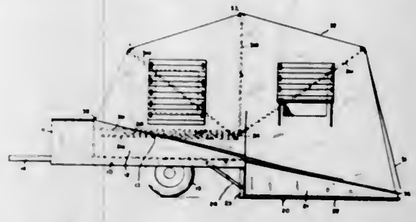
1. In an electrical contact coupling for connecting a hollow liquid-cooled conductor to a flexible conductor having an outer flexible cooling jacket, comprising a coupling member having an opening in one end portion thereof adapted to engage with an end of the hollow conductor, means for holding the end of the hollow-conductor in firm contact within the opening of the coupling member, and means for securing an end of the flexible conductor and its outer flexible cooling jacket within the other end portion of the coupling member the improvements that comprise an annular element within said coupling provided with a plurality of longitudinally extending openings permitting passage of the cooling medium between the interior of the cooling jacket of the flexible conductor and the interior of the hollow conductor.

2,549,265
REVERSIBLE SPLIT-PHASE MOTOR
James L. Trant, Dayton, Ohio, assignor to The Brown-Brockmeyer Co., Dayton, Ohio, a corporation of Ohio
Application June 24, 1949, Serial No. 101,177
1 Claim. (Cl. 318—207)



In a split phase motor having two angularly related identical field windings and a condenser, a manual switch having a first position wherein said windings are in parallel with the condenser in series with one thereof and a second position wherein the windings are in parallel with the condenser in series with the other thereof, a centrifugal switch responsive to a predetermined motor speed for interrupting the circuit through said condenser and its associated winding for either direction of rotation of the motor, and means comprising a resistor shunted directly across the terminals of said centrifugal switch for maintining said condenser in effect in said circuit after opening of said centrifugal switch.

2,549,266
CAMP TRAILER STRUCTURE
Augustus C. Troden, Grosse Pointe, and Nelson Hall, Detroit, Mich., assignors, by mesne assignments, of one-half to said Troden and one-half to William A. Paxton
Application November 18, 1946, Serial No. 710,690
11 Claims. (Cl. 296—23)



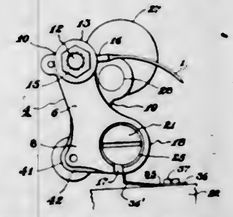
1. A trailer body comprising hinged top and bottom parts, said top part being movable through substantially 180° between fully open and closed position, spring counterbalancing means effective to assist both opening and closing movement of said top and comprising a spring, relatively slidable spring stressing elements pivotally connected between said parts, the connection between one of said parts and one of said elements being shiftable in a direction transverse to the axis of the hinged connection between said parts, said connection comprising a slotted post rigidly connected to said top, and a pin carried by said one element slidable in said slot, said spring stressing elements being effective to reverse the direction of action of said spring as said top moves through an intermediate position, the slot in said post being substantially parallel to the line of action of said spring when its direction of action is reversed.

2,549,267
HEM LINE MARKER
Delora M. Van Liew, Spokane, Wash.
Application August 13, 1948, Serial No. 44,099
1 Claim. (Cl. 222—193)



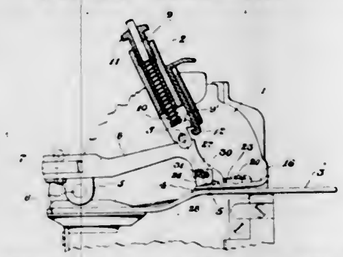
In the garment marker described having a vertically adjustable compressed-air drum, the combination of a powdered chalk-receptacle mounted in the drum adjacent a side wall, an exterior and valved air-nozzle mounted in said side wall and open to the interior of the drum, a chalk-conveying tube connected to an aperture in the base of the receptacle, and said tube terminating in an upwardly projecting discharge end adjacent to and in front of the nozzle.

2,549,268
NEEDLE CARRIER WIPING MEANS
John M. Washburn, West Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application January 30, 1950, Serial No. 141,209
13 Claims. (Cl. 112—218)



1. In a sewing machine, a support, an element having a hub and a web portion, a stud engaging a hole in the hub to pivotally secure the element to the support, said support having a duct therein for directing oil to the bearing surface of the element and stud, and a wiper blade mounted on the support in engagement with the periphery of the hub of the element.

2,549,269
SEWING-MACHINE PRESSER-FOOT MECHANISM
John M. Washburn, West Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application February 14, 1950, Serial No. 144,061
8 Claims. (Cl. 112—235)

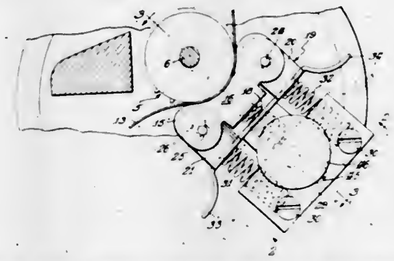


8. A sewing machine presser-foot mechanism comprising a presser-foot having a flat surface, a presser-foot arm having a flat surface, means pivotally connecting said presser-foot on said arm with said flat surfaces opposed and inclined relative to each other, a stop slidable along said flat surface on said arm, a shank on said stop extending along a lateral side of said wall, said shank being formed with an elongated slot parallel to said flat surface on said arm, and means in said slot slidably supporting said shank and stop on said arm for securing said shank to said lateral surface with said stop in different selected positions along said surface.

2,549,270
LUBRICANT AND HYDRAULIC FLUID COMPOSITION
Forrest J. Watson, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 19, 1948, Serial No. 39,591
17 Claims. (Cl. 252—78)

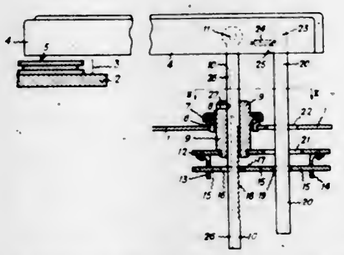
2. A composition of matter consisting essentially of 50–85 per cent by weight of a trialkyl phosphate, each alkyl radical of which contains 4–8 carbon atoms, 10–40 per cent by weight of tricresyl phosphates, and a minor amount sufficient to thicken said phosphates of up to 10 per cent by weight of a linear polymer of methacrylic acid esters having a molecular weight within the range of 5,000 to 25,000 and 0.5–5 per cent by weight of a glycidyl ether.

2,549,271
TENSION SHOE MEMBER FOR FILM SPROCKETS
Emil J. Wienke, Glen Ellyn, Ill., assignor to Motiograph, Chicago, Ill., a limited partnership
Application February 15, 1946, Serial No. 647,940
1 Claim. (Cl. 271—2.3)



In a film tension device for film sprockets, a tension shoe member having means for engaging a film on the sprocket, a support for said member, means mounting the member on the support for limited movement toward and away from the sprocket, spring means mounted between the support and the member urging the member toward the sprocket, a mounting means for the support mounting it for limited movement toward and away from the sprocket, and spring means between the mounting means and the support urging the support toward the sprocket.

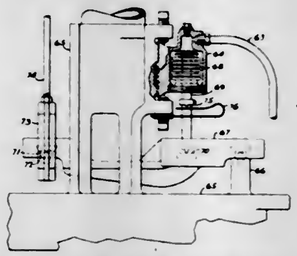
2,549,272
RECORD CHANGING PHONOGRAPH
Erik Wennerbo, Motala, Sweden, assignor to Industriaktiebolaget Luxor, Motala, Sweden, a corporation of Sweden
Application May 7, 1946, Serial No. 667,935
In Sweden November 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1964
5 Claims. (Cl. 274—10)



1. In a record changing phonograph, a turntable adapted to carry a pile of records of variable height, a supporting member mounted for vertical sliding movement adjacent said turntable, a tone arm having one end rotatably connected to said supporting member so as to be swingable in a plane intersecting the plane of

the turntable, a pick-up means carrying a reproducing needle mounted at the other end of said tone arm, means for raising said supporting member prior to change of a record, so as to raise the reproducing needle from the record just played and for lowering the supporting member when the record has been changed so as to move the needle into engagement with the new record to be played, a rod-shaped member rotatably connected to said tone arm and provided with a toothed portion, a fixed locking member adapted to cooperate with the toothed portion of said rod-shaped member, spring means for normally holding the rod-shaped member in a position in which the locking member engages a tooth of the toothed portion of the former, and an abutment member provided on said tone arm and adapted at the raising of the tone arm supporting member to engage said rod-shaped member and move the same out of engagement with the locking member and at the lowering of the tone arm supporting member to permit the spring means to move the rod-shaped member into engagement with the locking member after the pick-up means has engaged the record to be played and after the angle between the reproducing needle and the record has reached a predetermined value.

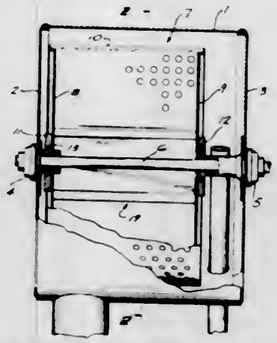
2,549,273
HYDRAULIC WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application February 2, 1946, Serial No. 645,026
14 Claims. (Cl. 265—47)



2. In a weighing scale employing hydraulic force transmitting elements, in combination, a force transmission system serving as a support for a load receiver, the system comprising a hydraulic capsule, a hydraulic line and a bellows operatively connected to load counterbalancing and indicating mechanism, said system providing a hydraulic force transmission path, said system having a second force transmission path that includes the elastic resistance to deformation of an element of the force transmission system, and a resilient element with the system for effecting a change in force distribution between the paths as the transmitted force is varied.

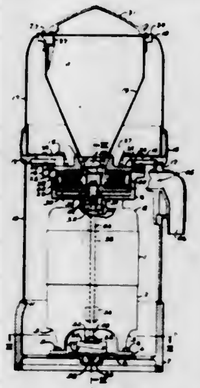
2,549,274
ROTARY DRUM AND SHAFT ASSEMBLY
Byron R. Winborn, Jr., Manitowoc, Wis., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis.
Application April 19, 1948, Serial No. 21,905
3 Claims. (Cl. 210—63)

1. In a device of the class described, a stationary casing provided with spaced bearings, a shaft revolubly supported in said bearings, a rotary drum rigid with said shaft and located between said bearings, and means at opposite ends of said drum arranged to transmit the weight of said drum to said shaft at points closely adjacent said bearings, one of said means being rigidly attached to said shaft and the other of said means having take-up means arranged to place said shaft in tension between opposite ends of said drum, said take-up means consisting of a



first member secured to said shaft and a second member engaging said drum and means for drawing said members towards each other, said drum including internal compression members spacing the opposite ends of said drum apart and being arranged to be placed in compression by said take-up means, said drum and said shaft constituting a rigid assembly arranged to reduce lateral whipping of said shaft on rapid rotation of said drum.

2,549,275
COFFEE MILL
George Rue Wood, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 11, 1946, Serial No. 661,441
5 Claims. (Cl. 241—246)



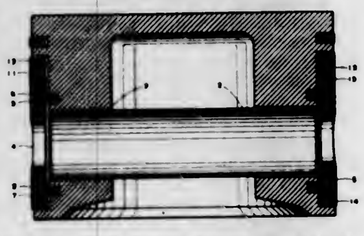
1. In a device of the class described, in combination, a base, a motor mounted on end on the base, end frames for the motor the lower one of which serves to support the motor from the base, a burr chamber formed integrally with the upper end frame of the motor, an apertured cover for the chamber, means for feeding material into and from the chamber, a burr non-adjustably attached to the cover, a tubular shaft for the motor, a rotatable burr driven by and slidable along the tubular shaft, a rod extending axially through the shaft, means for operatively connecting the rod to the rotatable burr, and a manually operable cam mounted on the base beneath the motor and engaging the rod for axially positioning the rod to regulate the clearance between the burrs.

2,549,276
FLOW INDICATOR
H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 14, 1948, Serial No. 8,433
4 Claims. (Cl. 116—117)



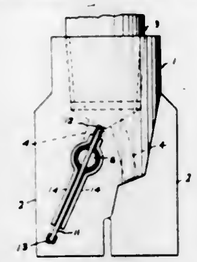
1. In a flow indicator for dispensing pumps and the like: a dome-like transparent member having a base, a plurality of balls loosely disposed within said member and freely movable therein relative to each other, and means mounted at the base of said member for retaining said balls therein and for directing fluid flow therethrough from one side to the other of said dome-like member, said means comprising a disc-like element having parts at its opposite edges displaced from the plane of the element to define inlet and outlet openings for said member, a conduit member on which said dome-like member and disc-like element are mounted and having inlet and outlet passages therein communicating with said inlet and outlet openings, respectively, the said passages being angularly offset from said openings whereby the fluid flow through the openings is in a direction at an angle to the axis of said dome-like member, thereby causing the fluid flow through the transparent member to be of a swirling turbulent nature.

2,549,277
PISTON CONSTRUCTION
Ansel S. Wysong, Long Beach, Calif., assignor to Ansel S. Wysong and Joseph M. Maltby, as trustees, jointly and severally, both of Long Beach, Calif.
Application May 10, 1946, Serial No. 668,643
5 Claims. (Cl. 309—7)



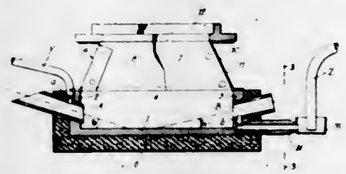
1. An engine piston which includes: a piston having a plurality of longitudinally spaced piston rings mounted thereon, and a plurality of circumferentially spaced, longitudinally extending slots formed on the exterior face of said piston and extending between the two innermost of said rings; a plurality of oil flow preventing members, with each of said members radially movable in one of said slots; and resilient means at all times urging said members outwardly into contact with the wall of the cylinder in which said piston is situated.

2,549,278
DULL BIT INDICATOR
John R. Yancey, Houston, Tex.
Application February 10, 1949, Serial No. 75,708
2 Claims. (Cl. 255—61)



2. A drill bit of the blade type having a passageway therethrough for the flow of flushing fluid from the drill stem into the well, said bit being secured to said stem and said bit having a relief port in communication with said passageway, a displaceable closure for said port, a bar across said closure on the outer side of the bit whose ends are welded to the bit, one of said ends being welded to the bit below the relief port and positioned to be released by wear of the bit, said bar, when so released, being displaceable under the influence of the pressure of the fluid to permit displacement of the closure and guards secured to the bit on opposite sides of, and adjacent, the bar and relief port.

2,549,279
VAPORIZING TYPE LIQUID FUEL BURNER
Charles Yvelin, Vernon, France
Application February 20, 1948, Serial No. 9,649
In France November 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 28, 1965
2 Claims. (Cl. 158—91)



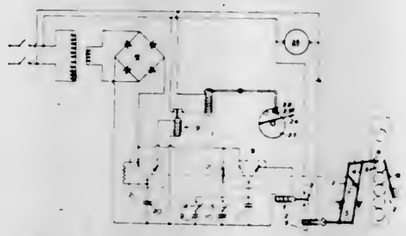
1. A burner for operating on fuel oil for feeding hot gases to external heating means comprising a metal pot with two opposite substantially vertical walls, at least two series of downwardly sloping pipes mounted in said walls and adapted to feed primary air of combustion into the pot through said walls and arranged side by side under different angles with reference to horizontality for producing jets converging substantially towards the middle of the bottom of the pot, means for feeding secondary air into the pot and means for feeding fuel oil into the end of at least one of the sloping pipes through the wall thereof.

2,549,280
CUTTERS, SHEARS, OR THE LIKE
Frederick Allen, Gosport, England, assignor to Sidney Hilliard, Saanichton, British Columbia, Canada
Application November 29, 1949, Serial No. 129,991
In Great Britain October 13, 1949
2 Claims. (Cl. 30—237)



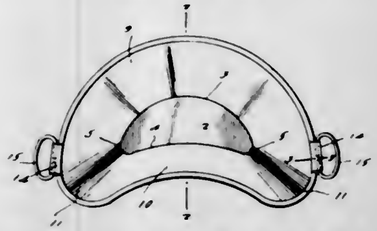
1. Pruning shears comprising a reciprocatory cutter and an oscillatory cutter for co-operation therewith, a bracket forming a slide support for said reciprocatory cutter and also having a pivot for said oscillatory cutter, said reciprocatory cutter having a roller for operating said oscillatory cutter and said oscillatory cutter being in the form of a disc removably mounted on said pivot and being provided with a number of slots for selective reception of said operating roller, for the purpose of enabling said disc to be removed and replaced in different positions in operative connection with said reciprocatory cutter so that different parts of said disc can be brought into use to act as the cutting edge.

2,549,281
ARTICLE SPACING MEANS
Norman Francis Armstrong and John Alexander Tweddell, Newcastle-on-Tyne, England, assignors to The Crown Cork Company Limited, Southall, England
Application October 10, 1949, Serial No. 120,498
In Great Britain November 1, 1948
6 Claims. (Cl. 198—34)



1. A device for controlling the passage of a series of articles along a conveyor, comprising two way switch means, tripping and arresting means operatively connected to said switch means and adapted to be actuated by the passage of the articles, and to be moved into the path of the articles, a solenoid operatively connected to said tripping and arresting means, and condenser means controlled by said two way switch means so that in one position of said two way switch means said condenser means are charged, and in the other position of said two way switch means said condenser means energises said solenoid to cause it to move said tripping and arresting means into the path of the moving articles and hold it thus until said condenser means have finished discharging when the solenoid is again de-energised and the tripping and arresting means rendered inoperative, and the above cycle repeated for the next article in the series.

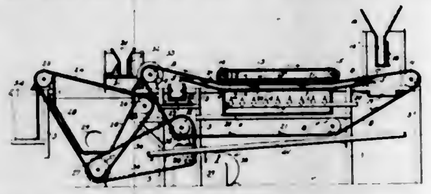
2,549,282
CARRYING CONTAINER
Henry R. Aschbrenner, Westgate, Iowa
Application January 25, 1946, Serial No. 643,225
1 Claim. (Cl. 220—1)



A load carrying receptacle comprising a relatively small flat horizontally disposed bottom having a forward convex edge and a rear concave edge, the bottom being elongated transversely in the general direction of the forward and rear edges and being relatively narrow between the forward and rear edges, the opposite ends of the bottom being rounded, a forward upwardly flaring convex side for the receptacle and having its bottom edge secured to the bottom of the receptacle adjacent to the forward convex edge of the bottom, the top of the forward convex side being disposed a substantial distance forwardly of the forward convex edge of the bottom, a rear concave side for the receptacle and being upwardly inclined rearwardly and arranged in spaced diverging relation to the forward side, the rear concave side being secured at its bottom to the bottom of the receptacle adjacent to the rear concave edge of the bottom, curved upwardly diverging ends for the receptacle and connecting the forward and rear sides thereof and formed integral with such sides and secured to the bottom of the receptacle adjacent to the rounded ends of the bottom, the receptacle being open at its top and being relatively deep, the rear concave side being curved to fit the body of the user of the receptacle, and a pair of handles pivotally secured to the top of the receptacle near and slightly forwardly of the curved upwardly diverging ends.

2,549,283
CONTINUOUS COOKING APPARATUS
George Ashton, Los Angeles, Calif.
Application December 22, 1947, Serial No. 793,125
2 Claims. (Cl. 99—408)

1. In an apparatus of the character described, a container for cooking fluid, means thereunder for heating it, an endless conveyor of wire-mesh mounted to be moved continuously through said cooking fluid therein, to carry matter to be cooked through the cooking fluid, a plurality of spring scrapers on the under side of said conveyor, arranged crosswise thereof and in staggered relationship to scrapers ahead of them, whereby to cover the entire surface of the bottom of said container, means for driving said conveyor, and an endless member above said con-



veyor and having its lower lap adjacent said main conveyor as they move through the cooking fluid, whereby to hold matter being cooked submerged in the cooking fluid.

2,549,284
WEATHER SEAL FOR EXTERIOR DOORS AND WINDOWS
Harry N. Baker, Portland, Oreg.
Application January 24, 1949, Serial No. 72,355
1 Claim. (Cl. 20—64)



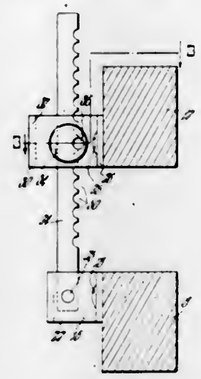
A weather seal for space between a closure and a frame element thereof, comprising in combination a weather-strip cap secured to and extending entirely across the frame element, said cap having a horizontally flanged rear marginal portion and a downwardly turned forward marginal portion, a fastening strip having a vertical portion secured across the lower front face of the closure and an integral horizontal portion secured to the bottom edge of the closure, said vertical portion being doubled and redoubled on itself, a strip of flexible material secured to said vertical portion between the said doubled portions thereof and extending downwardly therefrom into contact with said frame element, and the rear marginal edge of the horizontal portion of said fastening strip being doubled under on itself for engagement with the horizontally flanged rear marginal portion of said weather-strip cap.

2,549,285
THREAD CUTTER FOR WEFT REPLENISHING LOOMS
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 27, 1948, Serial No. 67,285
10 Claims. (Cl. 139—267)



1. In thread cutter mechanism for a loom having a lay, a pair of thread cutter blades one of which moves about a pivot, operating means on the movable blade engaged by the lay at a given time in the loom cycle to cause angular movement of the movable blade relatively to the other blade by the lay, and mounting means capable of holding the operating means at different distances from said pivot to vary the rate of movement of the movable blade by the lay while enabling the lay to engage said operating means at said time in the loom cycle.

2,549,286
LOCKING DEVICE FOR ROCKING CHAIRS
Adelard J. Belisle, Springfield, Mass., assignor to The Berkline Corporation, Springfield, Mass., a corporation
Application June 30, 1948, Serial No. 36,236
2 Claims. (Cl. 155—72)



2. A rocking chair having a base and a seat rockably mounted thereon and means for releasably locking the seat to the base comprising, a primary bracket fixed to the base, a secondary bracket fixed to the seat, an elongated slide rod having a lower end pivotally connected to said primary bracket and a free end extending upwardly therefrom and having spaced notches on a side thereof, said secondary bracket being provided with a guiding mechanism including a slide rod guide bore in which the free end of said slide rod is slidable and a guide bore intersecting the slide rod guide bore, and a pawl slidable laterally in the second named guide bore of the guiding mechanism and adapted to engage the notches of said slide rod for holding said slide rod against movement relative to said secondary bracket.

2,549,287
TAPELINE ANCHOR
William R. Brennan, Phoenix, Ariz.
Application October 17, 1949, Serial No. 121,724
5 Claims. (Cl. 33—137)



1. A tape line anchor for temporarily securing the outer end of a measuring tape in soil, or the like, comprising in combination, a case having a flat bottom, a slightly upturned front end having a transverse stop bar with a raised hook engaging hump in its middle and a hook detaining por-

tion at one side thereof provided with a shifting slide, and a box-like rear portion; a fulcrum lever hinged in said box-like portion of said case and arranged to swing from a raised position over said case body to a rearwardly extending position substantially alined with said case; a spring operative between said case and said fulcrum lever adapted to normally urge said lever to said rearward extended position; a latch bar, hinged to the outer end of said fulcrum lever having an eye to receive a measuring tape at its forward end, a clearance bend to the rear thereof, and a forwardly opening hook below and to the rear of said bend, said latch bar being arranged to extend over said case fulcruming on said box-like portion and with its hook adapted to temporarily engage over and under the hook detaining portion of said case latch bar, and to be resiliently detained thereon so that forward motion of said hook will contact it with said shifting slide and move it to a position within said hook engaging hump; and a soil engaging hook hinged to the rear portion of said case and arranged to swing from a downwardly extending engaging position, to a forwardly extending folded position.

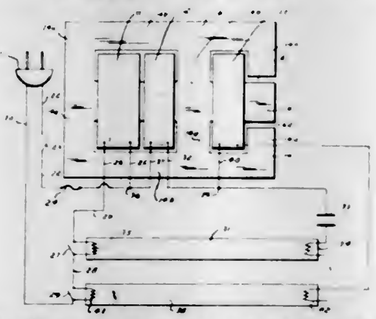
2,549,288

LIGHTING SYSTEM AND APPARATUS

John Herold Bridges, New York, N. Y., assignor to National Inventions Corporation, a corporation of New Jersey

Application July 12, 1946, Serial No. 683,067

3 Claims. (Cl. 315—254)



1. An electrical gas discharge tube lighting system, comprising a source of alternating current electrical supply; an auto-transformer having one primary coil and one secondary coil in low reluctance magnetic circuit with the primary coil thereof connected to said source of supply, and a second secondary coil adapted to produce current limiting reactance outside said low reluctance magnetic circuit and magnetically coupled in shunt circuit of relatively high reluctance with said primary coil and electrically connected in series with said auto-transformer; a condenser also connected in series with said auto-transformer but in parallel with said second secondary coil; and two electrical gas discharge tubes, one tube being connected in series circuit soley with said condenser and the auto-transformer and having the flow of current therein limited by said condenser, and the other tube being connected in series circuit solely with said second secondary coil and auto-transformer and having the flow of circuit therein limited by said second secondary coil, said condenser being of such capacity as compared to the inductance had with said second secondary coil as to assure balanced lighting of the two tubes and minimum stroboscopic effect.

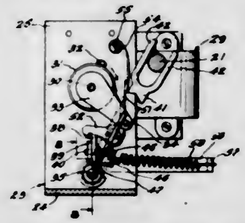
2,549,289

MECHANISM FOR AUTOMATICALLY OPERATING A PICTURE SLIDE CHANGER OF THE MANUAL TYPE

Clarence J. Cadwell, Carpinteria, and Frank M. Adamson, Los Angeles, Calif., assignors to The Cadwell Corporation, Beverly Hills, Calif., a corporation of California

Application December 31, 1948, Serial No. 68,674

14 Claims. (Cl. 88—28)



1. The combination with a manual slide changer having a slide shifting element and a manual handle attached to the element, of an arm pivotally supported for oscillation in a plane paralleling the line of movement of the handle, an operative coupling between the arm and the handle whereby swinging movement of the arm on its pivot from one position will effect actuation of the slide shifting element, latching means holding said arm in one position, means for building up pressure tending to move the arm against the hold of said latching means, means for releasing the latching means to permit the movement of the arm under the built-up pressure, and means put under tension by said movement of the arm by said pressure for automatically returning the arm to the said one position and reversely moving the said element.

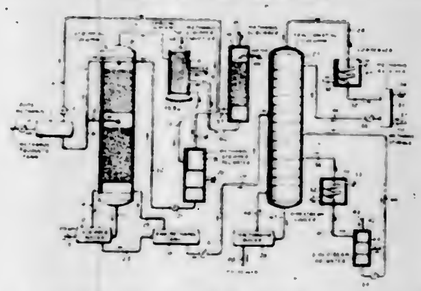
2,549,290

PURIFICATION OF CRUDE SYNTHETIC METHANOL

William J. Congdon, Hopewell, and Richard C. Datin, Petersburg, Va., assignors to Allied Chemical and Dye Corporation, New York, N. Y., a corporation of New York

Application August 17, 1948, Serial No. 44,646

10 Claims. (Cl. 202—40)



1. A process for purifying crude methanol obtained from methanol catalytic synthesis containing small amounts of liquid unsaturated and saturated hydrocarbons as by-product oily impurities which comprises diluting the crude methanol with water to form a methanol-water mixture, introducing the mixture into a stripping zone wherein vapors of methanol, water and oily material are evolved, cooling and condensing said vapors, diluting the condensate with water to

effect its separation into an oily layer and an aqueous methanol layer, separating the oily layer, returning the aqueous methanol layer to the stripping zone, and withdrawing from the stripping zone an aqueous methanol solution substantially free from oily material.

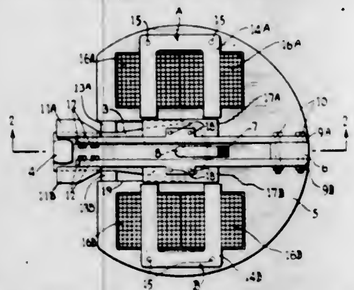
2,549,291

ROLLING MILL ADJUSTING APPARATUS

Giuseppe Cozzo, New York, N. Y., assignor to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware

Application February 14, 1946, Serial No. 647,529

7 Claims. (Cl. 80—56)



3. In combination; a rotatable adjusting means; an arm extending therefrom with a block thereon; a pair of springs and hammers thereon, said hammers straddling said block; a plate carrying said springs, said plate being rotatable relative to said adjusting means; and means to selectively vibrate said hammers.

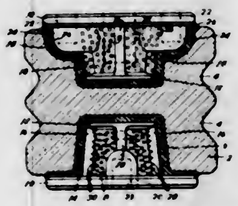
2,549,292

INSULATOR

Herbert J. Crabbs, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 12, 1946, Serial No. 702,909

14 Claims. (Cl. 174—206)



1. In an insulator, a body of insulating material having a recess therein, a metal insert having a portion adapted to be secured in said recess, at least longitudinally extending portions of the confronting surfaces of said recess and insert portion for substantially the entire length thereof having means thereon to interlock in all directions with cementitious material interposed between said surfaces, and said insulator and insert also having a plurality of spaced integral radially extending interfitting projection and recess means located on other longitudinally extending portions of said surfaces.

12. An insulator comprising, a body of insulating material having a recess therein, a cast-metal insert having a portion adapted to be received in said recess, cementitious material filling the space between the walls of said recess and insert, and a vibration resistant bond between said insert and cementitious material comprising, a relatively large number of uniform integral projections on said insert, each of said projections being of a length materially greater than its maximum cross sectional dimension and said projections being uniformly spaced from each other in all directions to entirely surround each projection.

2,549,293

SHEET FEEDING AND POSITIONING MECHANISM

Juan de la Fuente Tejedo, Madrid, Spain

Original application February 19, 1945, Serial No. 578,653. Divided and this application February 11, 1948, Serial No. 7,693. In Spain January 15, 1944

3 Claims. (Cl. 197—127)



1. In an embossing machine of the typewriter class, the combination with a main frame; a paper carriage mounted to travel thereon; grouped embossing members mounted in the main frame; an anvil superposed above the grouped embossing members to afford a passage therebetween for the work sheet; and pressure feed roll mechanism mounted in and traveling with the carriage to support and advance the work sheet; of a normally idle leading edge gage mounted in the paper carriage to shift into and out of the path of the leading edge of the work sheet at a point beyond the grouped embossing members, to provide a top margin of suitable depth; an indenting member located between the leading edge gage and the grouped embossing members, said indenting member being shiftable with the leading edge gage into and out of effective position; and means to cast off the pressure roll mechanism and incident thereto, to shift the leading edge gage and the indenting member into operative relation with the work sheet, to arrest the leading edge of the work sheet after it has passed beyond the indenting member, and thus enable the operator by slight pressure on the work sheet, to form an indentation therein, which indentation, upon the replacement of the work sheet in the machine, may be registered with the indenting member to facilitate the relocation of the work sheet in the position to which it was originally adjusted.

2,549,294

APPARATUS FOR FORMING BUTTONHOLES

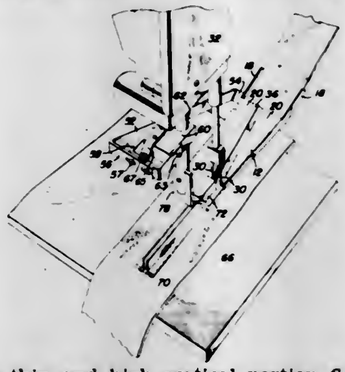
Edward A. De Marco, New Brunswick, N. J.

Application October 21, 1949, Serial No. 122,712

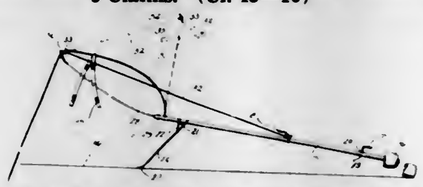
5 Claims. (Cl. 112—147)

1. A cloth folding attachment for sewing machines comprising an elongated outer hollow guide having a forward tapering end portion and a pair of upper wall sections, and an inverted T-shaped inner guide fixed and enclosed within said outer guide and including a lower flanged portion having forwardly tapering side edges whereby material fed into said outer guide will be folded into an inverted T-shape as the material passes from the forward end of the outer

guide, said upper wall sections sloping upwardly toward each other and including inner upstanding flanges, said inner guide including a relatively thin and high vertical portion fixed between and spaced from the upstanding flanges of said inner guide.



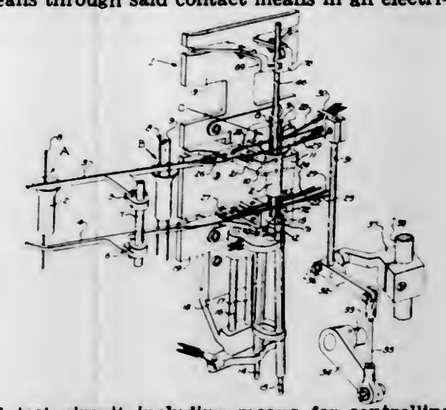
2,549,295
FISHING ROD
Lloyd A. Derby, Adrian, Mich., assignor to Niles Langdon, Toledo, Ohio
Application February 28, 1947, Serial No. 731,524
3 Claims. (Cl. 43—16)



1. In a fishing rod of the class described, a rigid rod having a flexible, resilient extension mounted at one end on said rod and extended forwardly from the forward end thereof; a coil formed on the free end of said flexible extension; a flexible arm of resilient material mounted at one end on said rod and having a coil formed on the opposite end of said arm; an engaging portion extending outwardly from said last named coil and adapted upon flexing of said arm against the resiliency thereof for latching in the coil on said extension and said arm being adapted, upon said engaging portion being released from said coil, to extend outwardly from said rod.

2,549,296
LEADING-IN WIRE DETECTING APPARATUS
Lee E. Dilts, South Euclid, Ohio, assignor to General Electric Company, a corporation of New York
Application September 21, 1948, Serial No. 50,423
15 Claims. (Cl. 49—2)

1. In combination with stem-making apparatus having a movable head which is indexed to a plurality of stations and which comprises means for holding a stem tube and leading-in wire means extending longitudinally through said stem tube, apparatus for feeding an exhaust tube to said head, apparatus for determining the presence or absence of leading-in wire means in said head and for accordingly controlling the operation of the exhaust tube feeding means comprising guide means extending along a portion of the path of movement of said head, contact means on said guide means adjacent its terminal end and engageable by said leading-in wire means, and means to electrically connect said leading-in wire means through said contact means in an electrical test circuit including means for controlling the operation of said exhaust tube feeding means in accordance with the presence or absence of leading-in wire means in said head.



2,549,297
SHOULDER SHAPED DRESS AND SUIT HANGER
Fred K. Dobana, New York, N. Y.
Application June 26, 1947, Serial No. 757,241
1 Claim. (Cl. 223—88)

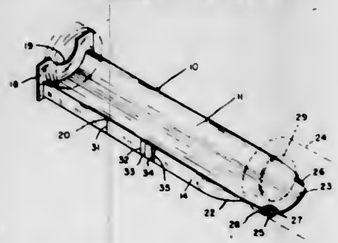


A shoulder shaped dress and suit hanger comprising a substantially thin main body part with a hook formation extending upwardly therefrom, shoulder support portions of a greater overall dimension than said main body part extending from the main body part on opposite sides thereof which are adapted to support the shoulders of a dress or suit so as to maintain the shape of same, said shoulder support portions being wide at their outer ends and tapering inwardly toward the main body part, said shoulder portions being further curved transversely of the same, said body part having upper and lower outwardly directed portions defining inwardly directed garment receiving recesses therebetween into which the top of a skirt can be extended, projections on said lower portions extending into the recesses and adapted to engage the top of the skirt to retain the skirt therein, and said recesses lying beneath the inner ends of the tapered shoulder portions.

2,549,298
MANUFACTURE OF ACTIVATED CARBON
Joseph W. Donegan, New Brunswick, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1948, Serial No. 18,712
10 Claims. (Cl. 252—421)

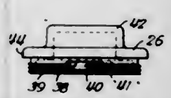
1. The process for making an activatable char from a solid carbonaceous material containing not less than 60% by weight of benzol-insoluble constituents derived from starting material of the group consisting of coal tar and water-gas tar and pitches of each, which comprises heating said derived carbonaceous material at increasing temperatures from below 200° C. to within the range of 200°–400° C. in the presence of free oxygen-containing gas, the free oxygen concentration of said gas being sufficiently high to selectively oxidize and convert said carbonaceous material to an infusible char, maintaining the temperatures of said carbonaceous material during heating below temperatures at which fusion of a substantial proportion of the carbonaceous material would occur, and continuing heating until an infusible activatable char is obtained.

2,549,299
COIN PACKAGE FILLER
John W. Drury, Detroit, Mich.
Application July 21, 1947, Serial No. 762,288
2 Claims. (Cl. 133—1)



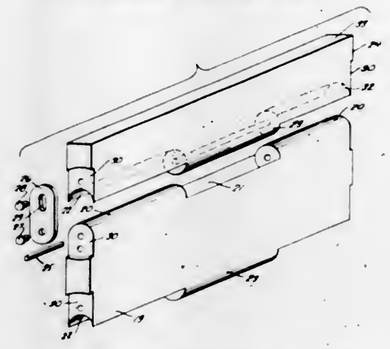
1. A coin package filler comprising a segment of a cylinder forming a trough adapted to fit coins of various denominations, the side of said segment at one end thereof being cut away to form an extended trough portion of lesser width for engaging the inner portion of a coin package, and integral transversely bent portions on opposite sides of said extended trough portion and spaced from it for engaging the outer surface of said coin package, said bent portions and extended portion cooperating to spread and hold open a coin package at its receiving end.

2,549,300
WHISTLING CAP FOR GAS APPLIANCES
La Verne O. Ellingson, Monrovia, Calif., assignor to Lowell and Grayson Manufacturing Company, Monrovia, Calif., a corporation of California
Application October 11, 1946, Serial No. 702,793
4 Claims. (Cl. 137—102)



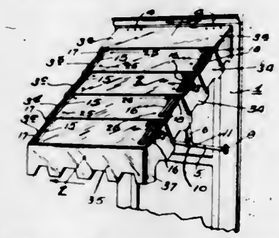
2. In a gas valve, comprising a body having a threaded opening and containing a valve, and a closure cap having a shank portion threaded in said opening to close the same normally gas-tight, the improvement which consists in the provision of a slot in the shank portion of said cap arranged to be uncovered by loosening the cap for escape of air in purging the gas line to the valve of air in the installation of the valve, and a slender vibratable sound producing reed mounted on the inside of said shank portion loosely covering at least the major portion of said slot and adapted to be vibrated and sounded by flow of air and gas through the slot.

2,549,301
ARTICULATED GRAIN CAR DOOR
Alton J. Ferrell, Houston, and Patrick J. McEnroe, Jr., Victoria, Tex.
Application July 19, 1949, Serial No. 105,596
2 Claims. (Cl. 160—201)



2. In a freight car having a doorway in one side thereof and a channel track extending along each side of said doorway and secured thereto, the tracks facing each other, a door positioned within said doorway and mounted in said tracks for up and down movement, said door comprising a plurality of bars arranged transversely of said doorway and in side by side relation and hingedly connected together along their facing sides, a strap bridging each of the ends of the adjacent bars, a stud arranged transversely of and extending through said strap adjacent one end of the latter and fixed to the end of one of said bars, a roller rotatably supported on said stud and rollably engaging the adjacent one of said tracks, there being a longitudinally extending closed slot in said strap adjacent to the other end thereof, and a second stud arranged transversely of and extending through said slot and fixed to the end of the other of said bars.

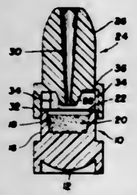
2,549,302
AWNING
Jacob Ferfort, Audubon, N. J.
Application October 24, 1946, Serial No. 705,357
2 Claims. (Cl. 160—62)



1. In an awning, a plurality of rigid awning sections relatively movable from an extended, lowered condition to a retracted, raised condition and vice versa, a pair of channel guides extending along the sides of the upper face of each section except the uppermost section, a pair of plates secured to and extending along the sides of the lower faces of each section except the lowermost section, each of said plates having bent edges providing a channel guide along its outer side edge and a channel stop at its front

edge, the channel guides on each pair of plates being engaged with the pair of channel guides on the upper face of the immediately preceding section, whereby to guide the movements of the awning sections and to space the sections from one another, a flange at the rear edge of each section except the uppermost section, and a pair of angle stops secured to each flange, said angle stops being engageable with the channel stops of the immediately succeeding section, whereby to limit the movements of the awning sections, there being unobstructed air passages between adjacent sections throughout the greater part of the lateral extent of said sections when the latter are in extended condition.

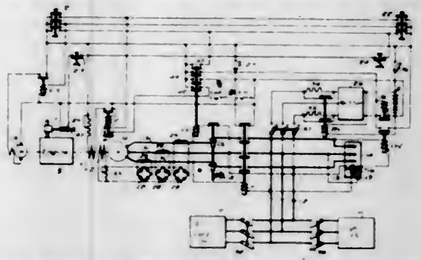
2,549,303
INHALER FOR CRYSTALLINE PENICILLIN OR THE LIKE
John H. Friden, Maplewood, N. J., assignor to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York
Application April 20, 1949, Serial No. 88,504
9 Claims. (Cl. 128—206)



2. In an inhaler, a hollow first unit for containing crystalline penicillin or the like, said first unit comprising a bottom wall, a tubular side wall and a rupturable top wall hermetically sealing the penicillin within the unit, a second unit comprising a body having an upper end adapted to be inserted in a respiratory orifice, a tubular member integral with and extending below the lower end of the body, a downwardly tapering element carried by the body and projecting within the tubular member, said element being concentric with and spaced from the tubular member, said tubular side wall being partly disposed within and engaging the inner surface of the tubular member with the rupturable wall positioned below the element, said second unit having a passage extending through the body and the element for establishing communication between the interior of the tubular member and the exterior of the body in the region of the upper end of the body, and means establishing communication between the exterior of the units and the space between the element and the tubular member.

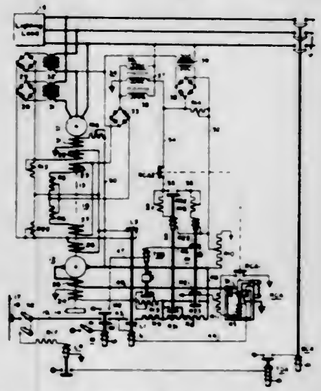
2,549,304
CONTROL SYSTEM
Herbert W. Graybrook, Irwin, and George R. Purifoy, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,765
5 Claims. (Cl. 175—294)

5. In a control system, in combination, a generator, an engine for driving the generator, a load circuit, switching means responsive to the generator voltage for connecting the generator to the load circuit, overload protective means, a relay responsive to the generator voltage, valve means for stopping the engine, said overload protective means controlling the energization of said relay to control the operation of said valve means, said switching means being operable in-



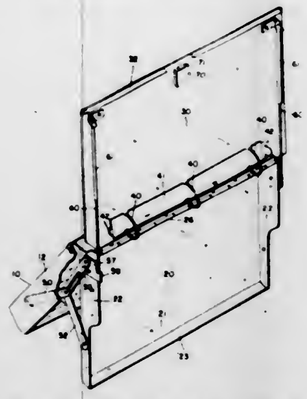
dependently of said overload protective means, and said relay being mechanically independent of the overload protective means.

2,549,305
MOTOR-ALTERNATOR CONTROL SYSTEM
Herbert W. Graybrook, Irwin, and Manley C. Potter, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1950, Serial No. 150,224
7 Claims. (Cl. 322—4)



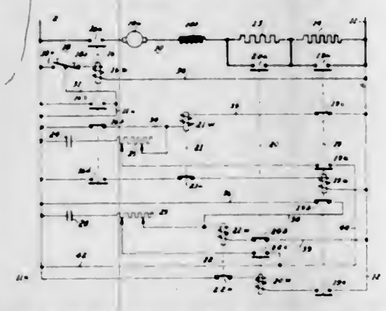
1. In a control system, in combination, a direct current motor having an armature winding, a main field winding, a cumulative field winding and a differential field winding; an alternating current generator having an armature winding, a main field winding, a cumulative field winding and a differential field winding; a shaft connecting the motor and the generator; a flywheel connected to the shaft; a main load circuit and an auxiliary load circuit for the generator; a first switching means for connecting the auxiliary load circuit to the generator; a direct current power conductor; a second switching means for connecting the motor to the power conductor; rectifying means for energizing said cumulative and differential field windings from the generator; a reverse current relay responsive to the motor armature current for causing the opening of said second switching means; and relay means responsive to the voltage of the power conductor for causing the opening of said first switching means, said motor and generator being driven by stored energy in said flywheel and said main field windings being energized by current generated in said motor while it is disconnected from the power conductor.

2,549,306
SELF-CONTAINED EASEL DISPLAY CASE
Sterling Greene, Cleveland, Ohio
Application June 21, 1947, Serial No. 756,275
11 Claims. (Cl. 40—102)



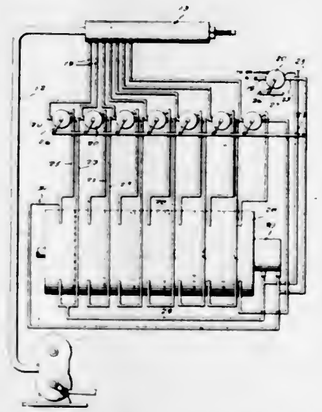
1. In a self-contained display easel, the combination of a receptacle having a back and end walls and an open front, an intermediate member having a top hinged at its rear edge to the back of the receptacle adjacent the upper edge of the receptacle, and a display panel hinged to the top of the intermediate member adjacent the front edge of the top, said panel being adapted to form a closure contacting with the receptacle front to house the intermediate member within the receptacle, and card-supporting means carried by the display panel adjacent its hinge connection and adapted to be folded within the case when closed.

2,549,307
TIME-DELAY RELAY SYSTEM
Milton W. Griffes and Harold J. Rathbun, Cleveland, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1945, Serial No. 590,292
11 Claims. (Cl. 175—320)



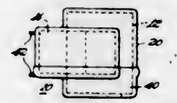
1. In a motor controller, a resistor of relatively high resistance, a timing condenser of relatively large capacity, an electromagnetic switch having an operating winding, connections forming a series circuit including said resistor, condenser, and winding, a by-pass circuit of relatively low resistance connected in parallel with said series connected resistor and condenser and in series with said winding, switch means operable to connect said series circuit across a source of unidirectional voltage, a control condenser of relatively small capacity interposed in said by-pass circuit and chargeable within a predetermined time after operation of said switch means and while said timing condenser is substantially uncharged to prevent the flow of current in said by-pass circuit, and the electrical constants of said circuits being related to each other and to the voltage of said source to permit sufficient current to flow in said circuits to pick up said electromagnetic switch when said switch means is operated and before said control condenser becomes charged.

2,549,308
FLUID TORQUE CONVERTER
Stanley E. Harris, Waterloo, Iowa
Application August 24, 1945, Serial No. 612,487
7 Claims. (Cl. 192—.098)



1. In a torque conversion system for a prime mover, a shaft, a plurality of fluid motors on said shaft, means for admitting fluid under pressure to said motors, clutch means associated with each of said motors and with said shaft, said clutch means being formed and arranged for at times operatively connecting the motors to said shaft, and means actuating said clutch means responsive to the admission of fluid to the motors for coupling the latter to the shaft.

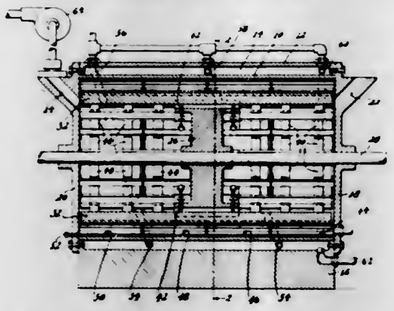
2,549,309
ENCAPSULATED MEMBER
Charles F. Hill and Newton C. Foster, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application February 25, 1944, Serial No. 523,948, now Patent No. 2,414,525, dated January 21, 1947. Divided and this application September 24, 1946, Serial No. 698,972
5 Claims. (Cl. 175—21)



1. An encapsulated electrical transformer comprising a coil composed of turns of a conductor

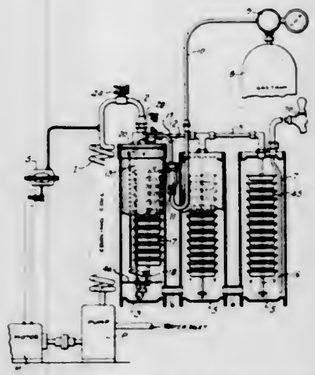
having interstices between them and a magnetic core associated in spaced relation to the coil, a hardened resinous insulation applied to the coil and magnetic core, the resinous insulation having penetrated the interstices and spaces and substantially completely filling them, and an outer completely enveloping covering of a dip-coated resinous composition of a thickness of from 5 mils to $\frac{1}{8}$ of an inch conforming closely to the contour of and applied about the exterior of the coil and core and the hardened resinous material applied thereto, the covering composed of overlapping layers of resinous composition, the innermost layer being of substantially uniform thickness, covering the major portion of the surface of the coil and core but less than all the coil and core surface to provide an opening, the resinous insulation impregnating the interstices exhibiting a free liquid flowed condition without the use of pressure and the conductors being free from the distortion occasioned by use of pressure in applying the resinous insulation and the resinous insulation hardened in situ, and the level of the resinous insulation being even with the edge of the innermost layer of the outer covering, and a superposed layer covering the opening in the innermost layer, the superposed layer adherently overlapping the innermost layer to provide a tight seal between the layers.

2,549,310
ROTOR AND STATIONARY-CHAMBER MACHINE FOR CRUSHING, MIXING, OR REFINING OF LIQUIDS OR SEMILIQUIDS
Vahan S. Hintlian, Watertown, Mass., assignor to Deran Confectionery Co., Inc., Cambridge, Mass., a corporation of Massachusetts
Application July 3, 1948, Serial No. 36,964
5 Claims. (Cl. 241—102)



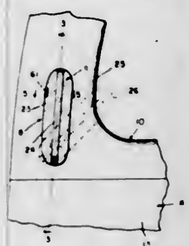
2. In an apparatus for processing liquid and semi-liquid substances, a hollow casing having generally cylindrical side walls and removable end walls, a relatively thin cylinder having a multiplicity of cross-sectionally round rods secured to its inner surface to provide an annulus wherein the axes of the rods are parallel to each other and to the longitudinal axis of said casing, said annulus being loosely and removably arranged within said casing as a liner for said cylindrical side walls of the casing, a rotor rotatably mounted within said casing and having resilient grinding units thereon resiliently engaging said rods, holding means for effecting endwise clamping of said annulus between the casing end walls with said endwise clamping constituting the only means for holding said annulus against rotation within the casing, said holding means being releasable at an end of the casing to release said annulus for endwise removal of the annulus.

2,549,311
CARBONATOR
James L. Hudson, Detroit, Mich.
Application September 16, 1946, Serial No. 697,364
8 Claims. (Cl. 261—21)



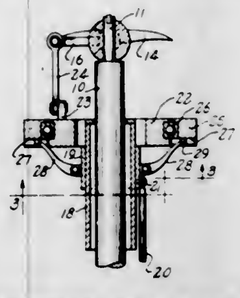
6. A carbonator for use in combination with a source of charging gas under pressure and a source of water, having in combination a charging tank, a pressure reducing valve and pipe between the source of charging gas and the tank for definitely fixing the maximum pressure of the gas in the tank, a water line leading from the water source to the charging tank, a pump in the water line, an electric circuit and motor for driving the pump, an air trap leading off the water line on the delivery side of the pump and receiving pressure only from the water from the pump, a water pressure controlled switch connected to the water line and independent of said air trap for opening and closing the motor circuit, a valve in the tank controlling the water issuing from the water line into the tank, a float member rising and falling with the water level in the tank for controlling said valve having connections when the water level in the tank falls below a given level to open the valve thereby reducing the pressure in the water line and in the air trap, thereby also decreasing the pressure on the water pressure .controlled switch to close the switch and to start the pump pumping more water into the tank and raising the water level, said connections when the water level rises above a given level automatically closing the valve while the pump continues to operate to raise the pressure in the water line and the air trap to a definite point at which the water pressure-operated switch is automatically thrown open to break the motor circuit and stop the motor and the pump, the said switch operating in cutting off and switching on the current at and in a pressure range greater than the maximum gas pressure controlled by the pressure reducing valve, the said float and said connections comprising a plurality of spaced pans supported on a rod which connects with levers and springs which in turn connect with the valve, the said levers and springs arranged in a snap-over-center assembly, one or more auxiliary tanks which are connected at the bottom with the charging tank for passage of water from one tank to another and which have pipe connections to deliver the gas under pressure below the water level in said tanks, and means for connecting the auxiliary tanks above the liquid level to equalize the pressure, but said connections retarding the flow and equalization of the gas pressures.

2,549,312
DOOR LATCH STRUCTURE
George Janonis, Detroit, Mich.
Application October 7, 1946, Serial No. 701,659
15 Claims. (Cl. 292—223)



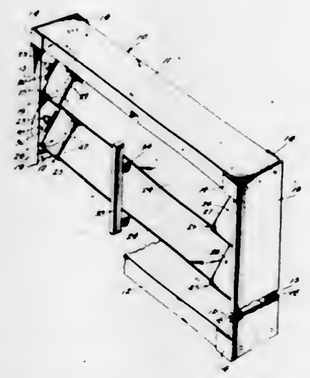
1. A latch structure for a door, comprising a latch bolt at one edge of said door, means for actuating said latch bolt including a pivotally mounted operating handle lying substantially flat against the outer side of said door, and means operable from the inner side of said door for rendering said actuating means inoperative including a knob actuated pin slidable transversely of said door and engageable with a socket in the back of said handle.

2,549,313
CHANGEABLE PITCH PROPELLER
Grant W. Johnson, Lincoln, Ill.
Application November 1, 1948, Serial No. 57,645
2 Claims. (Cl. 170—160.46)



1. In a changeable pitch propeller, a drive shaft, a tubular cross-head mounted on the free end of said shaft, propeller blades having stub shafts at their inner ends engaged in the ends of said cross-head, said cross-head having circumferentially elongated slots formed therein, one adjacent each of its ends and at the side opposite from the other, arms secured to said stub shafts and projecting outwardly of said slots, a fixed housing engaged about said drive shaft, a sleeve slidably mounted on said housing, other arms projecting from opposite sides of said sleeve, a ball-race formed of inner and outer concentric annular members, lugs upstanding from the inner of said annular members, connecting rods having one of their ends pivotally connected with said lugs and their other ends pivotally connected with the first named arms, the outer of said annular members having recesses formed in its lower side and engaged by the outer ends of said other arms, and means depending from said sleeve for actuating the same to raise and lower said ball-race whereby to impart an oscillatory movement to said stub shafts to vary the pitch of said propeller blades.

2,549,314
WINDOW BLIND
Charles P. Kegley, Pulaski, Va.
Application December 11, 1945, Serial No. 634,188
9 Claims. (Cl. 20—62)



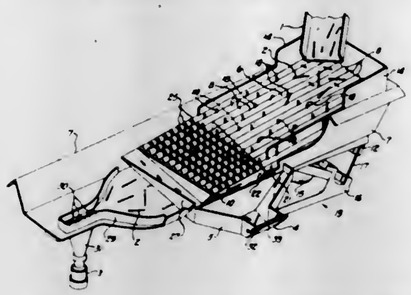
1. A blind structure designed to be installed within a window frame, comprising a frame unit having vertical side bars, a plurality of blind slats disposed transversely between said vertical bars, a disc member mounted upon each end of each slat and disposed in close proximity to the inner side face of a vertical bar, means disposed inwardly with respect to said inner side faces of the vertical bars forming bearings between which the discs are disposed for rotation and means overlying said faces and maintaining the discs between the bearings.

2,549,315
WINDSHIELD MOUNTING
Clarence F. Kramer, Birmingham, Mich.
Application February 28, 1947, Serial No. 731,653
13 Claims. (Cl. 296—84)



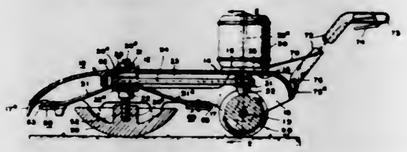
1. In combination, a vehicle body having an opening bordered by a wall disposed transversely to the plane of the opening, a glass in said opening with the edges of the glass spaced from the wall, said wall being wider than the thickness of the glass, an H-shaped rubber strip having its web portion extending through the space around the edge of the glass and having its flanges at one end of the web engaging respectively one edge of the wall and one side of the glass, one of the other flanges at the other end of the web engaging the other edge of the wall, and a locking strip disposed between the other side of the glass and the remaining flange at said other end of the web.

2,549,316
SORTING APPARATUS
Merle W. Kremer, Cleveland Heights, and Woodrow W. Heigle, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application April 24, 1948, Serial No. 23,118
4 Claims. (Cl. 209—99)



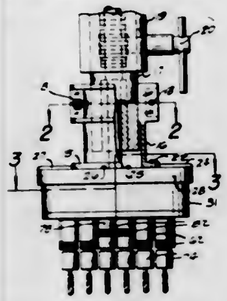
1. Apparatus for sorting completed cylindrical articles such as composite lead-in wires having end sections of different diameter and weight, the smaller-diameter sections being heavier than the larger-diameter sections, from incompleted articles constituted of one or the other such sections, said apparatus comprising an inclined bed portion comprising a plurality of parallel elongated cylindrical rods arranged in side-by-side relation, adjacent rods being spaced apart a distance intermediate the diameters of the larger and smaller sections of said articles to form slots therebetween whereby completed articles will upend themselves in said slots and move downward therealong while loose smaller-diameter sections will fall through said slots and loose larger-diameter sections will lie flat between said rods and move downward therealong, portions of said rods at a plurality of points adjacent to but spaced from their lower ends being circumferentially notched to provide enlargements in the slots therebetween, each of said enlargements having a width greater than the diameter of said larger section of said article and a length less than half that of said larger section of said article whereby the upright completed articles will drop downward through the enlargements while the loose larger-diameter sections will pass over the enlargements to the lower ends of the rods, and means for supporting and vibrating said bed portion.

2,549,317
LAWN MOWER
Myron P. Laughlin, Atlanta, Ga.
Application August 6, 1946, Serial No. 688,641
8 Claims. (Cl. 56—25.4)



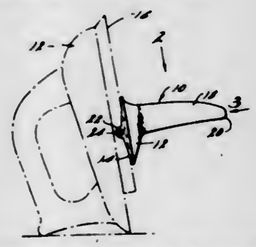
7. A power mower comprising, in combination, a platform, a semi-spherical non-rotary ground shoe supporting the front end of the platform, an elongated ground-engaging propulsion roller supporting the rear end of the platform, a rotary cutter mounted above said shoe and beneath said platform and in front of said roller, a prime mover mounted on said platform, and power transmission connections extending through said platform to the cutter and to the roller for powering the same from the prime mover.

2,549,318
MULTIPLE DRILL HEAD
Theodore G. Linderme, Detroit, Mich.
Application July 21, 1947, Serial No. 762,273
6 Claims. (Cl. 77—24)



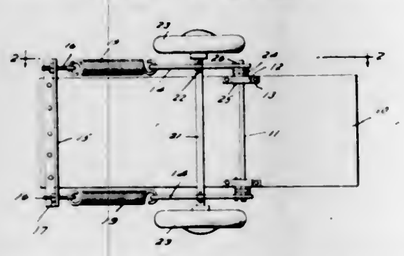
1. In a multiple drill head of the class described, a housing; a bottom on said housing, said bottom having an opening formed therein; a plate positioned in said opening and swingable relatively to said bottom, said plate having a pair of slots formed therein; a shaft projected through each of said slots and depending at one end below said bottom; a support rotatably mounted on each of said shafts and having a supporting portion extending radially outwardly therefrom; a drill spindle rotatably mounted on said supporting portion and depending therefrom in parallel relation to said shafts; gearing for driving said drill spindles upon rotation of said shafts; a gear on each of said shafts; a driven gear for rotating said last named gears, said last named gears being movable into and out of registration with said driven gear upon movements of said shafts in said slots; and a clamping structure for clamping said shafts against movement in said slots and clamping said support against rotation about the shaft.

2,549,319
RUFFLE IRONING ATTACHMENT FOR FLATIRONS
Earl R. Lowe, Oaklawn, Ill.
Application November 23, 1948, Serial No. 61,536
10 Claims. (Cl. 223—36)



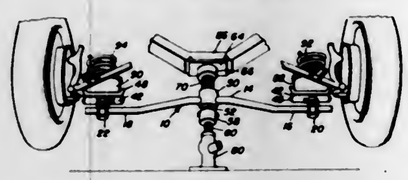
1. A ruffle ironing attachment for a flat iron having a sole plate, said attachment comprising a base portion adapted to have a substantial area contact with said sole plate, means mounted on said base portion adapted to engage said flatiron to maintain said attachment in predetermined relation to said flatiron, said attachment having a body portion adapted to project outwardly from said sole plate generally at right angles thereto and having a smoothly curved ironing surface adapted for ironing ruffles and the like, said attachment being adapted to absorb heat from said sole plate and transmit it to said body portion of said attachment.

2,549,320
WHEELED AXLE SUSPENSION
Melfred E. Makin, Ontario, Oreg.
Application July 5, 1949, Serial No. 103,139
1 Claim. (Cl. 267—20)



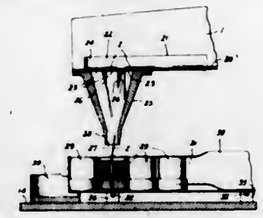
A wheel axle suspension of the class described comprising a transverse shaft rigidly mounted on the underside of the bed of a vehicle with its ends projecting beyond the sides thereof, a pair of triangular bell crank plates each pivotally mounted at one of its base corners on the projecting ends of said shaft, a pair of helical springs each having one of its ends secured to the vehicle bed and its other end to the second base corner of the adjacent bell crank plate, said springs being normally disposed parallel to the vehicle bed and in line with the base edges of said plates and the said shaft when the bed is without load, an axle rigidly mounted transversely of and in the downwardly pointing apex portions of the plates with the ends thereof projecting beyond the latter, and ground wheels mounted for rotation on the projecting ends of said axle.

2,549,321
JACK ATTACHMENT FOR VEHICLES
Gordon W. Marshall, Dunellen, and John B. Scapillati, North Plainfield, N. J.
Application January 28, 1948, Serial No. 4,898
4 Claims. (Cl. 254—134)



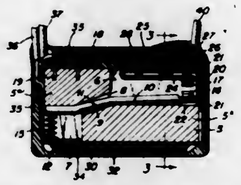
1. An accessory for an automobile jack comprising a humped central portion, and opposing end sections disposed in the same horizontal plane below the humped portion, collars slidably disposed on the end sections, means for locking the collars in a desired position, support plates rotatably mounted on the collars, means for locking the plates in a desired position, a collar disposed on said humped portion, means for attaching said collar to the lifting head of a jack and means supported by said collar for engaging the frame of a vehicle, said last means being vertically adjustable with respect to said collar.

2,549,322
WIRE PACKAGING APPARATUS
Clarence E. McKinsey, Painesville, Ohio, assignor to General Electric Company, a corporation of New York
Application August 10, 1945, Serial No. 610,153
5 Claims. (Cl. 226—2)



2. Apparatus for automatically loading endwise into cartridges wires having a weighted end, comprising a tray inclined at a small angle for receiving the wires, means for vibrating the said tray to cause the wires to travel therealong toward the lowermost end thereof, said tray having a series of apertures in its bottom wall adjacent the lower end thereof and aligned along the tray into which the wires may drop only weighted end foremost as they traverse the said apertures, means comprising upstanding convergent guide walls on the upper side of said tray for guiding the wires on said tray successively across the said aligned apertures, a feed chute at the underside of said tray for collecting the wires as they drop through the said apertures and guiding them endwise into a cartridge positioned under the discharge end of said chute, holder means for holding the cartridge in position under the discharge end of said chute, means supporting the said holder for horizontal vibrating movement, and means for rapidly vibrating the cartridge holder and the cartridge carried thereby to whirl the wires around the cartridge and shake them completely down thereinto.

2,549,323
AUTOMATIC ELECTROMAGNETIC SWITCH
Elvin McMullen and Chester A. McMullen, Hutchinson, Kans.
Application November 15, 1948, Serial No. 60,046
4 Claims. (Cl. 200—87)



1. An electromagnetic switch, operable under load, for automatic operation by a material load increase in the load circuit, comprising a flat coil encircling an elongated prismatic space of a cross section forming an elongated rectangle, a flat core assembly within said prismatic space consisting of core plates diagonally disposed within said elongated space, said plates being of substantially rectangular shape facing each

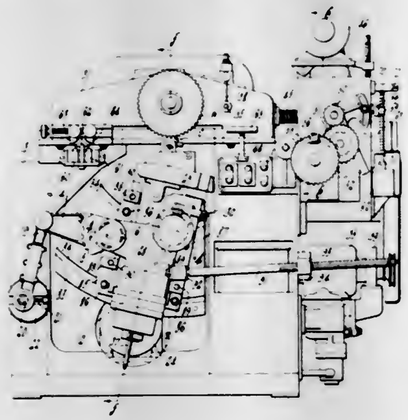
other across a gap, a movable pivotally mounted armature passing through said gap between the core plates, a contact member on said armature, an insulating strip fixed to one of the core members and projecting therefrom, a fixed contact mounted on said insulating strip, cooperating with the contact member carried by the armature, one of said core plates being connected electrically with the said armature and with one end of said flat coil, a biasing means for said movable armature and means for connecting the ends of the coil with the load circuit and the fixed contact of the insulating strip with the circuit to be closed in the case of load increase.

2,549,324

MACHINE FOR FINISH CUTTING THE TEETH OF GEARS, GEAR SHAVING CUTTERS, AND THE LIKE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application July 25, 1945, Serial No. 606,995
18 Claims. (Cl. 90—8)



1. A machine for performing a finish cutting operation on the faces of gear teeth and similar objects, comprising cutter guiding means, a reciprocably mounted cutter in guided association therewith having a cutting edge transverse to the directions of its reciprocative movement, means for so reciprocating the cutter, means for supporting and rolling a work piece along a plane transverse to and intersecting the path of said cutting edge, and means for so adjusting the cutter guiding means and cutter as to bring the cutter path at various angles to the plane along which the work piece is rolled.

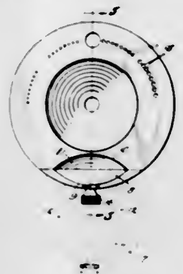
2,549,325

WATCH REPAIRMAN'S WORK HOLDER

Charles Mongelli and John Mongelli, Washington, D. C.

Application February 20, 1948, Serial No. 9,853
2 Claims. (Cl. 81—6)

1. A removable adapter for a watch movement testing machine, comprising a body, a watch movement clamp formed on the edge of the adapter, disposed eccentrically of the adapter, said clamp including a stationary jaw forming a part of said body, a movable jaw cooperating with the stationary jaw for gripping a watch movement, and means for moving the movable



jaw relative to the stationary jaw, securing the watch movement to the adapter.

2,549,326

CITRUS FRUIT PEELER

Frank E. Moore, Meriden, Conn.

Application January 25, 1949, Serial No. 72,599
3 Claims. (Cl. 30—24)



1. A citrus fruit peeler comprising a handle, a shank connected to said handle, a cutting blade attached to the free end of said shank and extending perpendicularly thereto, said blade having a cutting edge disposed toward the handle side of said blade, a flat butt on said blade for preventing the blade from penetrating the pulp of the fruit, and a projection on said shank between said blade and said handle, said projection providing a smooth pivoted surface whereby the cutting action of said blade is controlled.

2,549,327

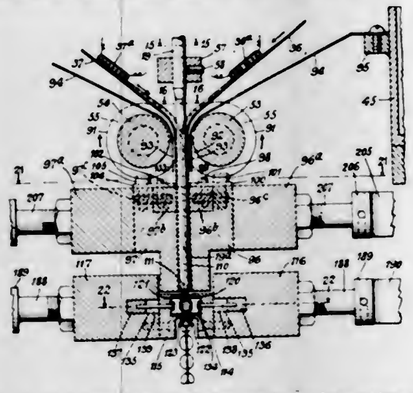
CAPSULE MAKING MACHINE AND METHOD

Rex E. Moule, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Continuation of application Serial No. 538,761, June 5, 1944. This application September 11, 1948, Serial No. 48,912
28 Claims. (Cl. 18—5)

22. A capsule forming machine comprising a pipe, apparatus for forming a tube of flexible capsule-shell-forming material around the pipe and for feeding the tube past an outlet end of the pipe, a pair of reciprocating dies movable toward and away from the pipe on opposite sides of the latter formed to pinch and close the tube beyond the outlet end of the pipe, mechanism operating in timed relation to the dies for periodically delivering a dose of capsule filling material through the pipe into the tube during the interval between the tube-pinching operations of the dies so as to confine each dose in a pocket between adjacent transverse seams formed by the dies, a pair of reciprocable tubular open-ended die elements movable toward and away from the tube on opposite sides of the latter beyond the first mentioned pair of dies, the open ends of the tubular die elements being engage-

able with opposite sides of a pocket and adapted to pinch together the opposite walls of the tube to form a seam, stripper plates surrounding the tubular die elements each having an outer pocket-engaging face, each of said stripper plates being slidable on its respective tubular die element between a pocket-compressing position wherein its outer face is forward of the pinching



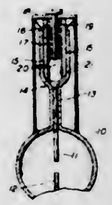
end of the tubular die element and a retracted position clear of said pinching end, and spring means normally maintaining said plates in their pocket-compressing position, said plates being movable relatively to the tubular die elements against the bias of said spring means to their retracted positions upon engagement with opposite sides of the pocket as the die elements move toward one another.

2,549,328

ELECTRIC DISCHARGE LAMP

Evan Herbert Nelson, Harrow Weald, and Ernest Benjamin Power, Kenton, England, assignors to General Electric Company, a corporation of New York

Application April 13, 1946, Serial No. 662,032
In Great Britain March 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 5, 1965
5 Claims. (Cl. 176—126)



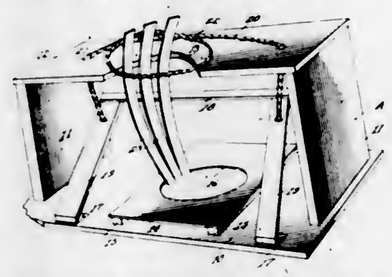
1. An electric discharge lamp designed for operation at elevated temperatures comprising a refractory vitreous envelope having an electrically conducting seal comprising a refractory vitreous tube open at its end remote from the lamp envelope, terminal means for electrically connecting said lamp to a power source and means for holding said terminal means on said tube, said holding means including a compressible refractory material positioned in said tube, a plate across the open end of said tube and supporting said terminal means, a bolt extending through said plate and said material into said tube with its head engaging said plate and a nut on the inner end of said bolt pressing said material against said plate and into frictional engagement with the inner wall of said tube to hold said terminal means on said lamp.

2,549,329

BARRELMAKER FOR TOY BARRELS

Clayton James Niebuhr, Dearborn, Mich.

Application January 7, 1946, Serial No. 639,594
1 Claim. (Cl. 147—3)



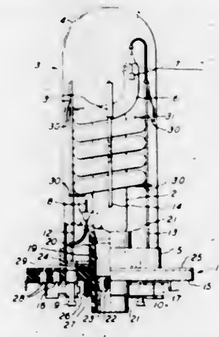
In a toy barrel making device, a stand, a base for said stand, a top slab above said base, said top slab having a half circular recess, a platform separate from said base and removable therefrom, but positioned thereon, said platform having a circular opening for vertical alignment with said recess in said top slab, a tightening and slackening cable located above said top slab, said cable having a loop formation therein for registering with said recess in said top slab, and a foot treadle having side bars hinged to said stand at a point below the top slab thereof for controlling the tightening and slackening operation of said cable, opposite ends of said cable passing through apertures in said top slab, and being secured to the said side bars of said treadle, thus providing an operative connection between said cable and said treadle.

2,549,330

PHOTOGRAPHIC LIGHT UNIT

Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application April 15, 1947, Serial No. 741,632
6 Claims. (Cl. 240—1.3)



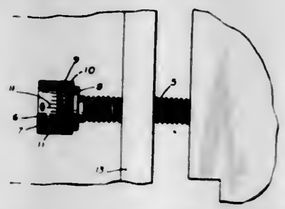
1. A lighting unit comprising, in combination, a lamp holder provided with a socket for an incandescent lamp base and a plurality of electric contacts arranged around the socket, an incandescent lamp removably mounted in the

socket, and a lamp unit comprising an annular base surrounding the socket and provided with electric terminals removably engaging the holder contacts, conductive supports extending upward from said annular base to define a cylindrical enclosure and a helically coiled discharge tube mounted on the supports and within the enclosure and being coaxial with and surrounding the incandescent lamp so that the two light sources of the unit have the same light center.

2,549,331
CHEESE PRODUCTION
Sigurd Orla-Jensen, Copenhagen, Denmark
No Drawing. Application July 6, 1948, Serial No. 37,302. In the Netherlands July 25, 1947
4 Claims. (Cl. 99—116)

1. Method of producing rennet cheese having the taste and flavor of Emmentaler cheese, comprising pasteurizing milk at high temperature, cooling the pasteurized milk, starting it with a culture of *Thermobacterium helveticum*, allowing the said microorganism to grow at 40–45° C. until the acidity has reached at least 11° Soxhlet-Henkel, adding rennet, cutting the renneted milk, washing the cheese mass, taking up the cheese, pressing it, and ripening the pressed cheese in the curing room for not substantially more than 3 months.

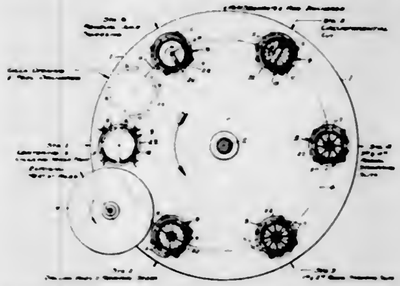
2,549,332
MICROMETER ADJUSTMENT FOR LATHE STOPS
Marvin L. Parker, Detroit, Mich.
Application February 5, 1947, Serial No. 726,452
3 Claims. (Cl. 116—133)



1. An indicator for a screw threaded lathe stop to gauge the adjustment thereof comprising an annular head fixed to the outer end of the lathe stop and having a scale on the periphery thereof, and a free turning ring carried on the outer end of the lathe stop immediately adjacent to said head, said ring including a fixed setting for registry with said scale and adapted to be manually held stationary while threaded adjustment of the lathe stop is made.

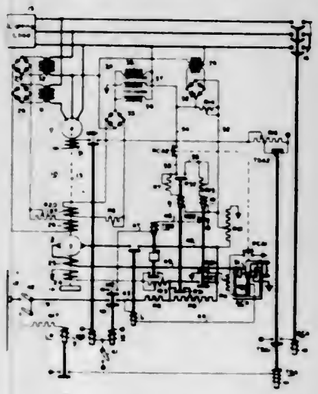
2,549,333
METHOD FOR SECTIONIZING CITRUS FRUITS
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Tampa, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida composed of Ralph Polk, Sr., and Ralph Polk, Jr.
Application March 27, 1946, Serial No. 657,506
9 Claims. (Cl. 146—236)

1. A method of removing well defined bodies of membrane-free meat portions from citrus fruit comprising exposing the meat of the fruit segments at opposite poles of the fruit while leaving a continuous equatorial band of peel intact on the fruit, then severing completely well defined bodies of meat from the membranes defining the fruit segments, removing said bodies from said



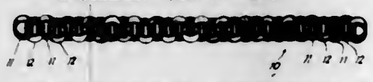
peel, and then rupturing the juice sacs remaining after removal of said meat to extract juice from said remaining juice sacs.

2,549,334
MOTOR ALTERNATOR CONTROL SYSTEM
Manley C. Potter, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1950, Serial No. 150,295
8 Claims. (Cl. 322—4)



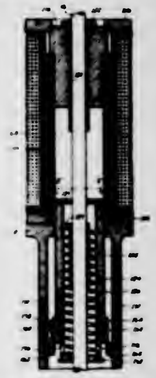
1. In a control system, in combination, a direct current motor having an armature winding and a field winding, an alternating current generator having an armature winding and a field winding, a shaft connecting the motor and the generator, a flywheel connected to the shaft, a main load circuit and an auxiliary load circuit for the generator, a first switching means for connecting the auxiliary load circuit to the generator, a direct current power conductor, a second switching means for connecting the motor to the power conductor, a separate source of excitation for the generator field winding, rectifying means for supplying current to the motor field winding from the generator, a reverse current relay responsive to the motor armature current for causing the opening of said second switching means, and relay means responsive to the voltage of the power conductor for causing the opening of said first switching means, said generator being driven by stored energy in said flywheel to supply current to the main load circuit while the motor is disconnected from the power conductor.

2,549,335
ORNAMENTAL CHAIN
Max Rahthus, Brooklyn, N. Y.
Application April 18, 1947, Serial No. 742,323
3 Claims. (Cl. 59—83)



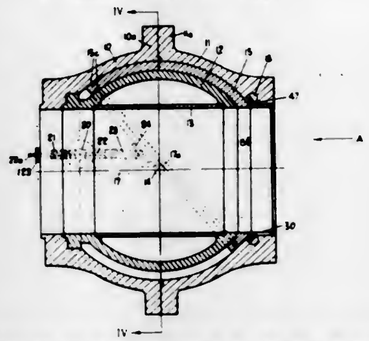
1. A chain comprising interengaging links, each link comprising a flattened tubular member having parallel ends at an inclination to the axis of said tubular member, each link being oval in a plane perpendicular to the axis of the link, the axes of adjacent links being one in one direction and the other in an opposite direction, each tubular member being made of a single piece of coiled wire comprising a flattened helix of substantially circular helical convolutions, the number of convolutions in each link being limited by the minor diameter of the coils, and adjacent links being oppositely wound, each link having a major diameter and a minor diameter and the ends of each link being adjacent the ends of the major diameter, and the major diameters of said links being in a direction lengthwise of the chain, and the minor diameters of said links being in a direction transverse to the length of the chain, whereby the ends of each link, except the end links, are hidden by adjacent links, the axes of each link being at an angle inclined to the plane of each of the convolutions of said link.

2,549,336
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Pittsburgh, and James M. Wallace, Braddock, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1944, Serial No. 537,760
17 Claims. (Cl. 200—89)



14. In an automatic reclosing circuit breaker, separable contacts, electroresponsive means for causing separation of said contacts in response to a predetermined electrical condition of the circuit, said contacts automatically reclosing in response to a circuit interrupting operation, integrating means responsive to a sequence of a predetermined number of closely successive circuit interrupting operations to cause said contacts to remain separated, time delay means, which is normally ineffective to delay separation of said contacts whereby at least initial circuit opening operations in any such sequence of operations are effected substantially instantaneously, and means responsive to at least one circuit interrupting operation in any such sequence of operations for causing said time delay means to delay separation of said contacts a predetermined time after the occurrence of said predetermined condition for subsequent interrupting operations of such a sequence of operations, manual means for causing reclosing of said contacts after operation of said integrating means, and means independent of the position of said integrating means for causing an interrupting operation which closely succeeds such manual reclosure to be delayed by said time delay means.

2,549,337
HYDRAULIC VALVE
Paul Werner Seewer, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application January 2, 1946, Serial No. 638,623
In Great Britain January 6, 1945
3 Claims. (Cl. 137—139)

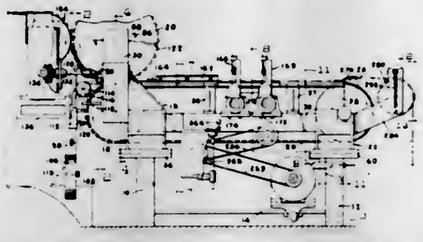


1. A sluice valve comprising a casing having a concave part-spherical guide surface at its inside, a convex part-spherical stationary guide body concentric with the said concave part-spherical guide surface, a hollow part-spherical gate body of substantially uniform wall thickness throughout, concentrically arranged with and adapted to be guided by the said concave part-spherical guide surface from outside and the said convex part-spherical body from inside, a stationary cylindrical duct arranged inside the said convex part-spherical guide body co-axially with, and of substantially the same diameter as, the entrance and exit of the said casing, the said gate having a port of a diameter substantially equal to that of the said cylindrical duct, and hydraulic operating means inside the said casing adapted to turn the said gate about a geometrical axis through the center of the spheres perpendicular to the axis of the said cylindrical duct between the extreme positions of closing the passage through the said cylindrical duct and fully registering its port with the said cylindrical duct.

2,549,338
MACHINE FOR MAKING SPRING LINERS
Anthony Shaner and John C. Hampson, Detroit, Mich., assignors to Falls Spring & Wire Company, Detroit, Mich., a corporation of Michigan, and Great Lakes Spring Corporation, Chicago, Ill., a corporation of Illinois
Application November 20, 1948, Serial No. 61,266
23 Claims. (Cl. 112—2)

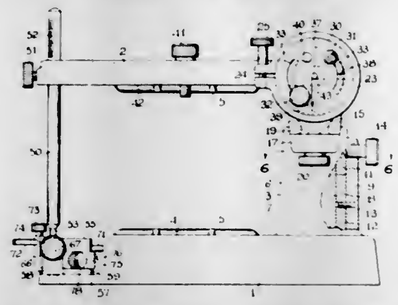
1. A spring liner forming machine comprising, in combination, an elongated platform, a movable

mounted member on the platform adapted to travel the length thereof, means for feeding successive sections of laterally bent wire stock upon one end of said platform, and means for causing



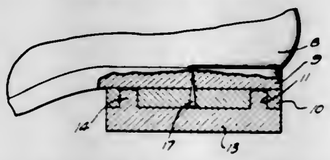
said member to engage successive sections of said bent wire stock as it is fed upon the platform and to carry the same therewith while it travels to the other end of the platform.

2,549,339
DENTAL ARTICULATOR
Louis L. Shore, Cleveland, Ohio
Application May 1, 1948, Serial No. 24,457
2 Claims. (Cl. 32—32)



1. In a dental articulator, a base member, an upper jaw member and vertically adjustable means for supporting said upper jaw member, said means comprising a hollow column provided on said base member, a supporting post vertically slidable in said column, vertically extending keyways provided in said post and said column, a key connecting said keyways, and a set screw extending radially through said column into engagement with said key whereby to frictionally secure said post against sliding movement.

2,549,340
SHOE HEEL
John B. Sniezek, Detroit, Mich.
Application September 28, 1949, Serial No. 118,229
1 Claim. (Cl. 36—36)



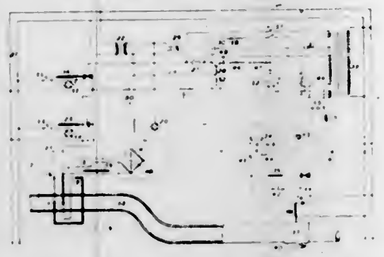
A heel construction of the class described comprising an upper section and a lower section, said upper section being adapted for attaching to the shoe and having a plurality of spaced apart openings extending around and positioned inwardly of the perimeter thereof; said openings being of constant diameter from end to end; a plurality of cylindrical projections extending outwardly in spaced relation to each other from one face of said lower section, and of slightly greater diameter than the openings in said upper section and formed from yieldable, stretchable material and insertable into said openings for securing said lower section on said upper section, the face of said lower section opposing the face of said upper section being inclined around said projections prior to entry of said projections into said openings and, upon entry of said projections into said openings, lying flat in engagement with the face of said upper section, the perimeter of said lower section being inclined outwardly and downwardly from its upper face prior to mounting on to said upper section and adapted upon mounting on said upper section to be distorted to be in alignment with the perimeter of said upper section and said cylindrical openings being longer than said projections whereby air cushion pockets are provided at the upper ends of the projections.

2,549,341
PAN SPACER
Ezra F. Sperling, Los Angeles, Calif., assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York
Application December 22, 1947, Serial No. 793,249
8 Claims. (Cl. 198—34)



1. Article feeding and spacing mechanism comprising, in combination, a conveyer for conveying articles along a predetermined path, a plurality of stop devices located along the path of movement of said conveyer and spaced from one another along said conveyer in accordance with the spacing desired between said articles, the endmost of said stop devices in the direction of movement of said conveyer being positioned to engage an article approaching it and the remainder of said stop devices being normally out of interfering relation with the movement of articles along said conveyer, means operatively connecting said stop devices so as to move the same successively into the path of movement of said articles after said endmost stop device and each successive stop device have been engaged by one of said articles whereby to releasably retain a predetermined number of said articles in a predetermined spaced relationship on said conveyer, conveyer means adapted to convey said articles away from said first conveyer means when said articles are in their predetermined spaced relation as determined by said stop devices, and means actuatable only when the last of said predetermined number of articles is in its predetermined spaced position for causing said second conveyer means to convey said articles out of the path of said first conveyer means, said means being released after said articles are conveyed away from said first conveyor means.

2,549,342
METHOD AND APPARATUS FOR PASTEURIZING LIQUIDS
Fritz Ludwig Steghart, St. Albans, England, assignor to Tinsley (Industrial Instruments) Limited, London, England, a British company
Application October 17, 1947, Serial No. 780,508
In Great Britain October 18, 1946
6 Claims. (Cl. 99—212)



1. A method of pasteurising liquid including the steps of passing the liquid through a heating device to a holder for the heated liquid, measuring the temperature of the liquid during its passage from the heating device to the holder and diverting the liquid back to the heating device when the measured temperature of said liquid falls below pasteurising temperature, wherein the average speed of the liquid, after leaving the heating device, and over a portion of its flow path adjacent to and including the outlet from the heating device, is maintained at a value not substantially less than that of the liquid while passing through the heating device, and the diversion of flow is under the control of the temperature of the liquid in said portion of its flow path.

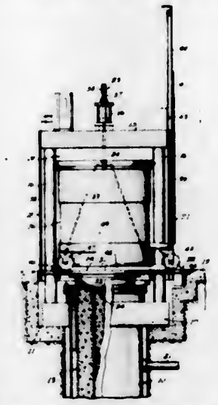
2,549,343
CUSHION SOLE
Stephen Steiner, Cleveland, Ohio
Application February 17, 1949, Serial No. 76,969
1 Claim. (Cl. 36—29)



An outer sole for shoes, comprising, in combination, a pair of relatively thin and relatively flexible sole layers of rubber-like material, the peripheries of said layers being bonded together, a ring-like spacer element of relatively stiffer but resilient and yieldable material interposed between said layers, those portions of said layers outside of the periphery of said spacing elemept and inside of the peripheries of said layers being bonded together and those portions of said layers within the bounds of the periphery of said spacing element being spaced and unbonded to provide a pneumatic cushion between said layers.

2,549,344
MOISTURE-EXTRACTING HYDRAULIC PRESS
George N. Strike, Los Angeles, Calif.
Application October 18, 1948, Serial No. 55,159
11 Claims. (Cl. 68—241)

1. A press of the character described comprising a hydraulic ram, a platform surrounding the operating end of the ram and normally flush therewith, a wash-laden truck movable onto said platform to a position aligned with said ram, said truck having a movable bottom engaged by the ram for displacing the wash in the truck in an upward direction, a press head against



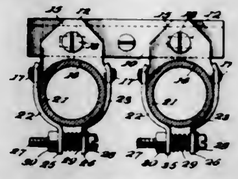
which said wash is compressed to rid the same of contained moisture, and means inter-engaging the ram and the platform and controlled by the ram for elevating said platform to thereby lift the truck thereon into engagement with said press head before the wash is compressed.

2,549,345
HYDRAULICALLY CUSHIONED AND ADJUSTABLE STEERING WHEEL
Jamshed K. Tamboli, Bombay, India
Application October 29, 1948, Serial No. 57,262
3 Claims. (Cl. 74—493)



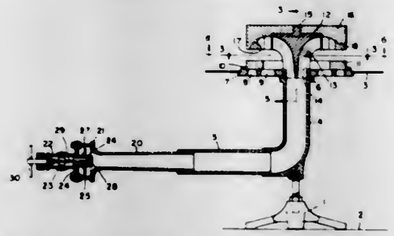
1. In a motor vehicle, a steering gear unit provided with an upwardly extending tubular operating shaft, a cylindrical hub member enclosing said shaft and carrying a steering wheel secured to its upper end, the interior wall of said hub member being longitudinally splined, a plunger member secured to said shaft and slidably fitting the splined interior bore of the hub member, said shaft being formed below said plunger member with an opening, a plunger rod slidably positioned in said shaft and having an externally projecting portion, and yieldable means biasing said plunger rod to a position overlapping said opening.

2,549,346
PIPE HANGER
Mel G. Tormo, Woodside, N. Y.
Application February 9, 1949, Serial No. 75,470
3 Claims. (Cl. 248—58)



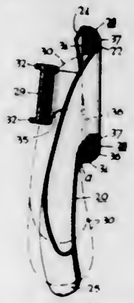
1. A device of the character described comprising a stationary pipe-receiving member having a curvular indentation at one end, a notched ear integrally formed with the stationary member at either side of said end and a coacting pipe-receiving member removably attachable to said ears, said coacting member including a pair of arcuate arms each having a slot adjacent one end for the reception of an ear of the stationary member and formed with a lug at its other end and means for yieldably and adjustably holding said lugs in spaced relation, said means comprising a bolt extending through said lugs, a spring surrounding the bolt between said lugs and a nut for the bolt.

2,549,347
GASEOUS FUEL BURNER AND FLAME SPREADER
John E. Van Tuyl, Cleveland, Ohio
Application December 4, 1945, Serial No. 632,750
7 Claims. (Cl. 158—113)



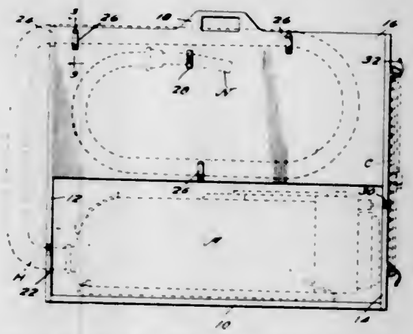
7. In a burner of the character described, the combination of a conduit for a gaseous fuel mixture adapted to discharge into a furnace chamber, an annular refractory ring coaxial with and extending beyond the discharge end of said conduit, means forming openings between the latter and said ring for the flow of additional air, a spreader of inverted, generally conical form supported with its smaller end opposite the discharge end of said conduit, and a circular refractory deflector of susbtantially the same diameter as said ring supported in turn by said spreader, said circular deflector having a peripheral flange directed toward said ring and closely spaced thereabove to provide a vertically limited, generally annular escape passage therebetween substantially unobstructed, whereby such gaseous mixture will be ejected in an even lateral spread of flame against the walls of the furnace, the contiguous faces of said spreader and circular deflector being formed with spiral grooves curving upwardly and outwardly from the center of said spreader and then downwardly toward the periphery of said circular deflector effective to impart a swirling movement to such laterally escaping mixture.

2,549,348
COLOSTOMY POUCH AND PROTECTOR
Arthur C. Wagner, Rochester, N. Y.
Application December 24, 1947, Serial No. 793,661
3 Claims. (Cl. 128—283)



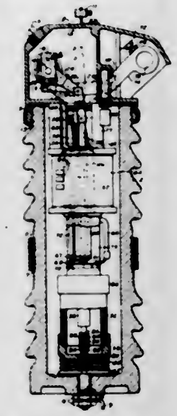
1. A colostomy protector assembly comprising a ring member having a plano-convex cross-section having a flat side, a bridge diametrically secured to the ring member across said flat side, a belt adapted to support the protector on the wearer's body, a pair of flanges on the bridge, a plurality of inwardly disposed ears on said flanges, the flanges and ears so constructed and arranged that the belt is slidably retained on the bridge, and a pouch comprising a pair of flat sides of pliable synthetic plastic sheet material partially sealed to each other around the respective peripheries thereof to form a chamber substantially flat when empty, and having: a flared mouth portion, a neck portion contiguous to said mouth portion, and a chamber portion opposite to and contiguous to said neck portion.

2,549,349
STORAGE RACK
Norman B. Wahlstrom, Los Angeles, Calif.
Application August 5, 1949, Serial No. 108,840
1 Claim. (Cl. 211—13)



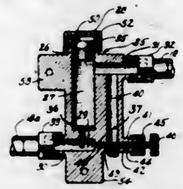
A rack for the display and storage of a vacuum cleaner and its accessories, comprising a bottom wall and vertical end walls, a partition disposed centrally of and vertically between the upper end portions of said end walls, a shelf extending to one side of the lower edge of said partition, means on one side of said partition to support the nozzle end of the suction hose leading from the cleaner body positioned on said bottom wall, means on one of said end walls to support the conductor cord leading from the cleaner body, means on the opposite side of said partition to support the said accessories in a uniformly spaced relation one with respect to the other, the said end walls being substantially of triangular form, one of said end walls having a slot opening through its front edge below the plane of the lower edge of said partition and a cutout in its upper end for the training of the suction hose from the cleaner body outwardly of said slot and upwardly of the outer side of the wall and inwardly of said cutout for the support of its nozzle end in the means on the said one side of said partition, the other of said end walls also having a slot opening through its front edge below the plane of the lower edge of said partition for the passage of the conductor cord from the cleaner body outwardly through the same for the looping of the conductor cord about the said supporting means therefor, the latter means being comprised in a pair of hooks secured in vertically spaced relation on the outer side of the said other end wall.

2,549,350
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, and Weldon L. Metz, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 14, 1944, Serial No. 553,996
9 Claims. (Cl. 200—89)



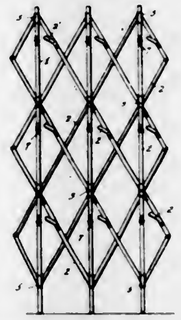
5. In an automatic reclosing circuit breaker, separable contacts, electroresponsive means for moving one of said contacts away from the other, said one contact being biased toward the other of said contacts to automatically reclose the circuit in response to a circuit interrupting operation, time delay means, means independent of said electroresponsive means for coupling said time delay means for movement with said movable contact at least during a portion of the circuit closing movement of said moving contact, means for rendering said time delay means ineffective to delay the final part of the closing movement of said moving contact, and means cooperable with said contacts and responsive during an attempted circuit opening operation to conditioning of said time delay means to delay closing movement of the movable contact for preventing a circuit interrupting operation of said contacts unless said time delay means is conditioned to delay closing movement of said movable contact.

2,549,351
SAFETY DEVICE FOR HYDRAULIC BRAKES
Henry Clay Whittaker, Memphis, Tenn.
Application May 23, 1949, Serial No. 94,903
2 Claims. (Cl. 303—84)



1. In a fluid operated brake system, a vertical cylinder having a discharge port at the lower end, a supply conduit communicating with the cylinder intermediate the top and bottom thereof, a discharge conduit, said discharge port connecting the cylinder with discharge conduit, a hollow boss in axial alignment with the discharge conduit and provided with a discharge port connecting the boss with the discharge conduit adjacent said discharge port at the lower end of the cylinder, a valve normally closing the discharge port in the boss, a by-pass connecting the supply conduit with the hollow boss, a float in the cylinder normally elevated above the supply conduit, but movable to close the discharge port when said float is lowered by a leak in the discharge conduit, the valve in the boss being opened for supplying fluid through the by-pass to the lower end of the cylinder to raise the float after the leak has been repaired, during normal operation of the associated braking elements, the valve in the boss being closed.

2,549,352
FLORAL RACK
Clarence J. White, Morton, Ill.
Application April 1, 1946, Serial No. 658,757
6 Claims. (Cl. 248—27.8)



1. In a floral rack including supporting legs, a structure made up of members crossed upon and pivoted to each other, and pivotally mounted upon the legs at certain of their places of crossing and adapted to move relatively in a plane paralleling the series of legs, said structure being disposed rearwardly of the said legs, the latter constituting the face of the said rack, a prong pivoted between its ends on one of the legs and extending both forwardly and rearwardly beyond the faces of same, and adapted to swing in a plane at right angles to the plane of the rack, the end of the prong rearward of the leg lying in the path of folding movement of the named structure, and an extension fixed on a part of the latter, said

prong adapted to engage to swing it to a position in which its forward portion is caused to lie substantially parallel with the front face of said leg.

2,549,353
CIRCUITS FOR OPERATING ELECTRICAL DISCHARGE DEVICES
Anthony Haydn Willoughby, Garston, Watford, England, assignor to General Electric Company, a corporation of New York
Application August 6, 1947, Serial No. 766,837
In Great Britain June 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 28, 1964
8 Claims. (Cl. 315—246)



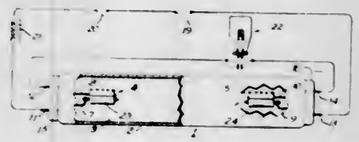
1. A circuit for operating an electric discharge device of the kind in which a discharge takes place in normal operation through gas or vapour contained in an envelope and in which no auxiliary electrode is used for starting, said circuit comprising both a starting circuit and a main supply circuit, said main supply circuit having device-operating terminals for connection to the discharge device and main supply terminals for connection to a current source for the supply of normal operating current to the device, said starting circuit comprising the secondary of a transformer connected in series with a spark gap across the said device-operating terminals, connections from the primary of the said transformer to starting terminals for connection to a current source for the supply of current to the said primary, and a switch adapted to be operated so as to interrupt the flow of current in the said primary and thereby produce across the device-operating terminals a voltage pulse for starting the discharge in the device, the said main supply circuit including also a high frequency choke serially connected therein for substantially preventing said pulse from being fed back to said main supply terminals, said choke having a sustained current-carrying capacity substantially less than said normal operating current, a contactor connected across said choke, and means for automatically closing said contactor upon the flow of said normal operating current in order to short-circuit said choke and prevent overheating thereof.

2,549,354
FISH LURE
Nolan E. Wilson, Homer, La.
Application October 21, 1946, Serial No. 704,697
5 Claims. (Cl. 43—42.31)



1. A sound producing lure, comprising a substantially heart shaped body centrally depressed to have a shell formed with a concave upper side and convex underside, the body having a slot therein at the larger end thereof and a second slot formed in the body at the smaller end, a second body in the form of an open top cup having an open rear end, the open top of the cup being designed to fit the convex underside of the shell body, a tongue integral with the cup at the end remote from the open side thereof and extended loosely through the first mentioned slot whereby the cup and shell are loosely hingedly coupled together, a fish hook having a shank portion extending through the second mentioned slot and means for attaching the shank of the hook to the shell body at a point adjacent to the first mentioned slot, and means for attaching a line to said tongue.

2,549,355
FLUORESCENT LAMP
Wilford J. Winninghoff, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application February 28, 1948, Serial No. 11,932
11 Claims. (Cl. 176—122)



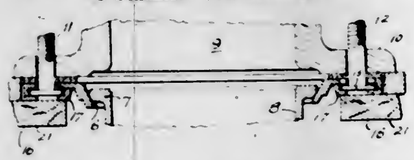
1. In a low pressure positive column electric discharge lamp, the combination comprising an elongated envelope, fluorescent material on said envelope, an ionizable medium capable of supporting an arc discharge and comprising mercury and a gas having a pressure not greater than about 5 mm., and electrode means including an electrode assembly at one end of said envelope for operating alternately as an anode and a cathode and comprising an activated filament extending longitudinally of said envelope and an elongated unactivated metallic shield of substantially cylindrical shape electrically connected to and surrounding said filament for substantially its entire length and having at least its far end open and located adjacent to the associated end of the envelope, the spacing between the inside of the shield and said filament lying within the range of about 0.75 to 1.5 mm., said shield having a diameter of approximately 3 to 4.5 mm., and the ratio of the inside diameter of the envelope to the outside diameter of the shield being within the range from about 4 to 8 to protect the filament from bombardment upon starting and to establish an outer annular region for arc conduction outside said shield wherein the longitudinal voltage gradient is not substantially in excess of that existing in the main part of the positive column of the arc and is less than the voltage gradient along said filament so that the arc discharge emanates from the far end of said shield, said lamp being proportioned for operation at its designed loading with a mercury vapor pressure of the order of 4 to 12 microns.

2,549,356
ROLLER BEARING FOR COLLAPSIBLE CONTAINERS
Philip Zalkind, New York, N. Y.
Original application February 26, 1943, Serial No. 477,203. Divided and this application June 30, 1944, Serial No. 542,845
9 Claims. (Cl. 308—3.8)

1. A roller adapted to be rotatably mounted on an axle; said roller having a central opening; said opening being wider at its outer ends and narrower in the center of said roller; said opening being threaded.



2,549,357
ANCHORAGE OF TOILET FIXTURES
Carmine J. Angelone, Orange, N. J.
Application August 6, 1948, Serial No. 42,781
3 Claims. (Cl. 285—34)



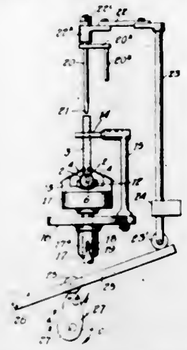
1. In a circular pipe flange having arcuate slots to receive laterally adjustable bolts for anchorage of an associated unit, correspondingly arcuate means integral with said flange for holding said bolts against falling out of said slots between the time of installation of the pipe and the subsequent installation of the unit to be associated therewith.

2,549,358
COMPOSITION FOR INHIBITING SAP STAIN
Leslie R. Bacon and Dwight B. Conklin, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application June 9, 1948, Serial No. 32,045
6 Claims. (Cl. 167—38.7)

1. A composition for inhibiting sap stain and mold growth in green wood comprising a mixture of 10–30% borax, 15–30% modified soda, and 10–25% sodium pentachlorophenate, and 35–55% of a mixture of primary alkylamine salts whose alkyl portion contains at least 8 carbon atoms.

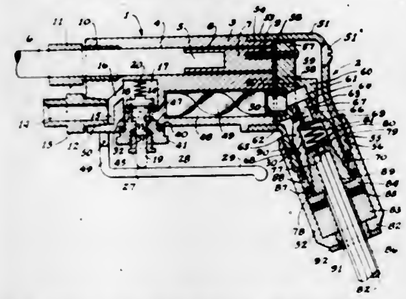
2,549,359
MACHINE FOR SEALING IN MINIATURE INCANDESCENT LAMP BULB MOUNTS
Frank E. Bakanau, Nutley, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application February 7, 1945, Serial No. 576,639
1 Claim. (Cl. 49—2)

In the manufacture of an incandescent lamp wherein an exhaust tube is welded to the neck of a bulb with a mount positioned in the bulb and the filament leading-in wires of the mount pass through the weld and then converge forwardly into the bulb to support the filament therein, means for holding the bulb, means for holding the exhaust tube in alinement with the bulb neck, means for alining the leading-in wires and the filament carried thereby relative to the bulb, comprising a pin movable through the exhaust tube and into the bulb, a wedge-shaped end portion on said pin with the included angle of the wedge substantially equal to the included angle between the converging part of the leading-in wires, and means for moving the pin through the exhaust tube with said end portion



forcibly contacting said convergent part of the leading-in wires and thereby aline the filament with respect to the bulb.

2,549,360
WELDING AND CUTTING TORCH
Peter Barbeck, New York, N. Y., assignor to Oxygen Arc Equipment Co. Inc., Brooklyn, N. Y., a corporation of New York
Application May 22, 1947, Serial No. 749,733
6 Claims. (Cl. 219—15)

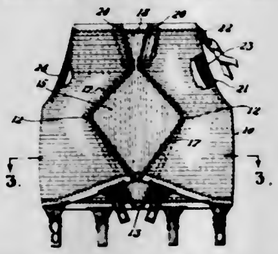


1. In a torch of the character described, a body portion, a conduit member for passing a gas through said body portion, a valve chamber adjacent the entrant end of said conduit member, an electrode ejecting chuck at the other end of said conduit member, electrode ejecting mechanism operable in conjunction with said chuck received within said conduit member, said chuck having a gas passage through the body thereof to admit gas to the bore of a hollow electrode secured therein and an anti-flash back formation in said conduit member between said valve chamber and said chuck.

2,549,361
UNDERGARMENT
Ernest Berdach, New York, N. Y.
Application December 22, 1948, Serial No. 66,681
12 Claims. (Cl. 2—43)

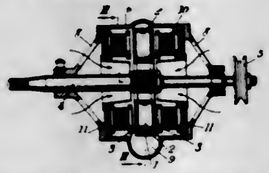
1. An undergarment of woven material including a tight fitting body encircling structure comprising a front section adapted to overlie and confine the abdomen, a rear section, and two side sections each constituted of a panel of woven material, said side sections in the lower portion of the garment being outlined at their meet-

ing edges with one of said front and rear sections of the garment, by edges in the V-form of an obtuse angle, the arms of which extend vertically of the garment, and said side sections, in the upper portion of the garment, having their meeting edges with said one of said front and rear sections forming the two sides of an inverted triangular opening, the base of which is substantially horizontal, said one of said front and rear sections comprising an insert having



a lower portion interposed between the arms of the obtuse angle of the adjacent side sections and the said insert having an extension upwardly toward the upper edge of the garment, said extension being positioned in said triangular opening and said extension being substantially triangular in shape, the apex of the triangle joining the lower portion of the insert in a narrow throat.

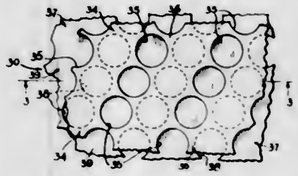
2,549,362
HEATING DEVICE OF THE HOT-AIR TYPE
Pierre Etienne Bessierè, Paris, and Louis Emile Ponsy, Clichy, France, assignors to Society "Silto," S. A., Paris, France, a society of France
Application February 19, 1949, Serial No. 77,345
In France November 27, 1948
4 Claims. (Cl. 219—42)



4. A heating device which comprises, in combination, a heater including a rotary fan for feeding air to a space to be heated, at least a portion of the rotor of said fan being made of a magnetic metal, and an electro-magnet for producing a magnetic field across the path of movement of said rotor, whereby Foucault currents are produced in said rotor when it is rotating, an output conduit for the air delivered by said fan, an electric circuit for energizing said electromagnet, a shutter for closing or opening said conduit, and a switch for controlling said circuit operatively connected with said shutter so as to open said conduit when said switch is closed.

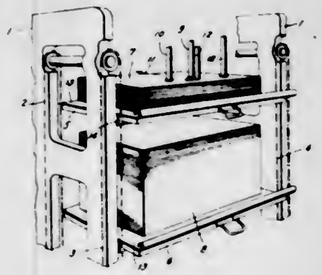
2,549,363
FILTER
Bernard I. Blickman, New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J., a corporation of New York
Application December 3, 1945, Serial No. 632,448
2 Claims. (Cl. 210—167)

2. A filtering apparatus comprising a cylindrical shell, a bottom closure plate having an upstanding annular flange of less diameter than that of the shell and a top closure plate, a hollow cylindrical strainer having a wall formed of a single elongated piece of sheet material wound into a plurality of layers lying upon one another, said sheet being constructed to form a plurality of equally spaced circular openings with intermediate solid portions disposed to position the solid portions of each layer permanently over the openings in the proximate layer, said strainer resting upon the bottom closure plate within its upstanding flange, a third plate over the



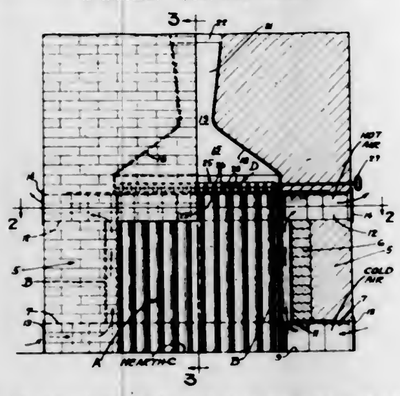
upper end of the strainer having a downwardly extending edge surrounding said upper end of the strainer, means for interconnecting said bottom closure plate and said third plate, a valved inlet conduit communicating with the part of the shell outside of the strainer, a valved drain conduit communicating with the part of the shell outside of the strainer, a pipe passing through the bottom closure plate into the strainer, said pipe having a valved discharge portion, and a valved inlet conduit communicating with said pipe between the discharge portion thereof and said bottom closure plate.

2,549,364
SHEET FEEDING MACHINE
Henri Bobst, Lausanne, Switzerland
Application August 1, 1947, Serial No. 765,548
In Switzerland April 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 26, 1961
9 Claims. (Cl. 271—62)



1. A sheet feeding machine comprising a plurality of endless elevators each having means for removably supporting in superposed spaced relationship platforms on each of which is carried a pile of sheets, and for removably supporting independently of said platforms a thin, flexible drawplate interposed between each platform and the pile of sheets thereon, said drawplates being each at least in part supported by a platform when fully loaded and of a thickness considerably less than that of the platforms and such that they are able to support, independently of the platforms, only a small proportion of the sheets forming each completed pile.

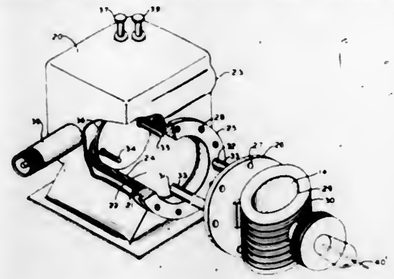
2,549,365
FIREPLACE WITH AIR-HEATING TUBES THEREIN
Johan Borge, Bellport, N. Y.
Application May 21, 1946, Serial No. 671,235
1 Claim. (Cl. 126—121)



In a combined fireplace and air heating device a columnar body provided with a fireplace opening and a smoke outlet passage therefor; said fireplace opening being defined by a hearth, side walls and a back wall; said body being provided with cold-air passages adjacent said hearth and extending along the lowermost portions of said back and side walls, and with hot air passages adjacent the top of said fireplace opening and extending along the uppermost portions of said back and side walls; said body being further provided with inlet passages for admitting cold air to said cold-air passages and outlet passages for conducting hot air from said hot air passages; said back and side walls comprising a bank of vertically disposed tubes each being in contact with the tubes adjacent thereto; said tubes each being provided with an opening in the side wall adjacent the lowermost end thereof communicating with said cold-air passage and each being further provided with an opening in the side wall adjacent the uppermost end thereof communicating with said hot-air passage whereby said tubes may receive heat from said fireplace and initiate an updraft of air through said tubes thereby producing a circulation of cold air through said cold-air inlets and passages into said tubes to be heated and thence from said tubes to said hot-air passageways and outlets.

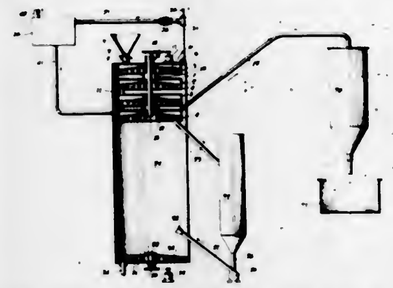
2,549,366
PULSE TRANSFORMER WITH MAGNETRON WELL
Winston H. Bostick, West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 2, 1945, Serial No. 608,595
11 Claims. (Cl. 250—16)

1. In combination, a transformer and a socket for an electron tube comprising, a first liquid-tight housing structure having an opening formed in the wall thereof, a second liquid-tight housing structure of insulating material, open at one end and smaller than said first structure, and inserted therein open end outward through said opening in said wall, the junction between said housing structures being liquid-tight, and a transformer including a primary and two secondary windings in a space in said first housing not occupied by said second housing, each of said secondary windings being terminated at one end outside said first housing and at the other end inside the



closed end of said second housing, and said primary winding being terminated at one end outside said first housing and connected at the other end to said housing.

2,549,367
METHOD OF RECOVERING FROM PYRITE THE VALUABE CONSTITUENTS THEREOF
Charles W. Clark, Westmount, Quebec, Canada, assignor, by mesne assignments, to Noranda Mines, Limited, Toronto, Ontario, Canada, a corporation of Canada
Application October 25, 1945, Serial No. 624,507
5 Claims. (Cl. 23—179)

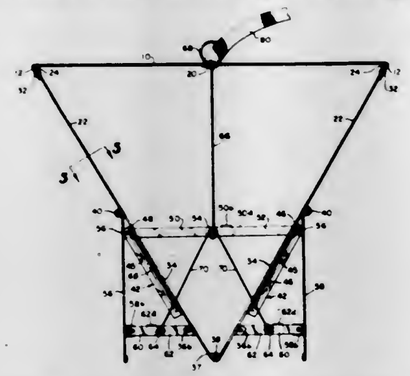


1. The method of recovering from pyrite the valuable constituents thereof, comprising the steps of introducing solely pyrite into a distilling zone out of contact with air and products of combustion as such, and therein continuously distilling sulfur therefrom to leave a solid residue by heat solely supplied externally of said zone, continuously condensing the gaseous sulfur from said zone and passing the resulting condensate to a collecting point, continuously burning at least a part of the solid residue from said distilling zone to generate heat and to produce iron oxide and sulfur dioxide, and passing the gaseous products of combustion in indirect heat exchange relation to said distilling zone so as to supply heat as aforesaid without contaminating the material in the distilling zone.

2,549,368
FOLDING SEAT
Henry Enriquez, Los Angeles, Calif.
Application September 3, 1946, Serial No. 694,465
6 Claims. (Cl. 155—149)

1. A foldable stool comprising, when in position for use as a stool, in combination: a foldable base assembly including a pair of panel members hinged together along a bottom axis to form a central V-section with the panels extending

upwardly from their hinge in divergent relation and terminating at a common level, said panel members having brackets providing slots extending from the terminal ends toward the bottom hinge and having locking pin recesses in said slot sides arranged outwardly of the slots from the inside of the V-section, a pair of locking links



pivotally joined together above the hinge of the panel members having locking pins at the ends thereof engaging in the recesses, ears on the locking links for holding the links in a position in the recesses; leg forming flaps pivoted to the V members adjacent their upper ends, and locking links joining the flaps to the V members.

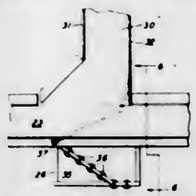
2,549,369
WATCH BAND DISPLAY DEVICE
Raphael Epstein, Bronx, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation
Application March 3, 1948, Serial No. 12,781
3 Claims. (Cl. 248—116)



1. A display support for a watch band having looped ends for connection with a wrist watch, comprising a mounting strip adapted to be embraced by the watch band and having two adjacent slots, and an anchor member having opposite bendable ends adapted to be passed through the looped ends, respectively, of the watch band and the slots, respectively, in said strip and be bent against the latter for releasably securing the watch band and anchor member to said strip.

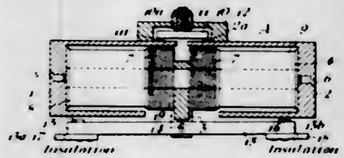
2,549,370
LOADING DEVICE
Earl A. Ernst, Bakersfield, Calif.
Application December 7, 1945, Serial No. 633,498
2 Claims. (Cl. 198—28)

1. In a baffle device adapted to be pivotally supported alongside of a moving carrier belt and the like, the device comprising a plurality of spaced apart rigid horizontal arms which are substantially parallel and bent in like manner to form obtuse angles, free rolling vertical means journalled to the arms and between them, said



obtuse angles and rolling means presenting a baffle with a predetermined bend therein.

2,549,371
ELECTRICAL RELAY
Frederick T. Fereday, Sr., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 5, 1949, Serial No. 69,251
7 Claims. (Cl. 175—337)

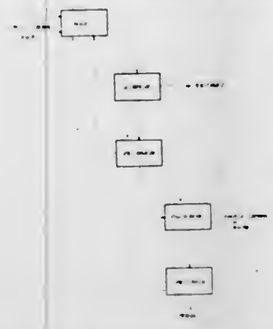


1. An electrical relay comprising, a core member having a first end and a second end, a first pole piece in contact with said first end, a second pole piece in contact with said second end, a third pole piece in contact with said core at an intermediate location between said ends of said core, a first winding around said core between said first end and said third pole piece, a second winding around said core between said second end and said third pole piece, short-circuited winding means around said core member between said first end and said intermediate location and also between said second end and said intermediate location, a ferromagnetic shunt member movable toward or away from said first and second pole pieces for decreasing or increasing respectively the reluctance of a magnetic circuit path which includes said core and said first and second pole pieces and also said shunt member, and a ferromagnetic armature pivotally supported intermediate its ends adjacent said third pole piece for movement of one of its ends toward said first pole piece or movement of its opposite end toward said second pole piece in response to energization of said first or said second winding respectively.

2,549,372
EXTRACTIVE FRACTIONATION PROCESS
Lloyd C. Fetterly, Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 15, 1947, Serial No. 741,676
7 Claims. (Cl. 260—666)

1. In the process of fractionating a mixture of organic compounds, said mixture containing a fraction A comprising substantially straight-chain materials and a fraction B comprising predominantly non-straight-chain materials, wherein said mixture is treated with urea and the crystalline complexes which form between urea and at least part of fraction A are separated

from fraction B, said treatment being conducted below the decomposition temperatures of said complexes, the improvement which comprises recycling at least part of the fraction A thus separated to enrich additional amounts of the original



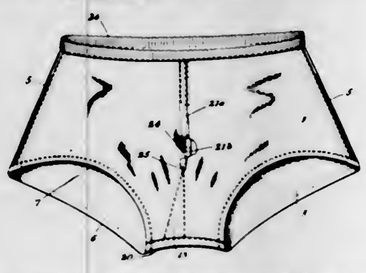
mixture prior to its treatment with urea, forming crystalline complexes by treatment of the enriched mixture with urea and separating said complexes from unreacted material by filtration, said enriched mixture of complexes forming a more porous filter cake.

2,549,373
DISPENSING DEVICE FOR CARTONS
Dabney W. Forsyth, Santa Monica, Calif.
Application May 9, 1950, Serial No. 160,981
4 Claims. (Cl. 229—17).



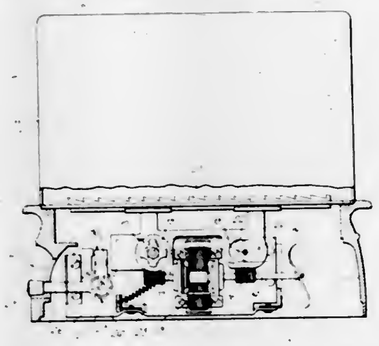
1. In a carton having a single thickness top plate, closure means including parallel slits extending inwardly from one side edge of the carton, and a discharge opening in the top plate intermediate said slits, a rectangular slide placed on the top plate with the marginal portions along the opposite side edges thereof extending through said slits, one end of the slide being formed with a finger-piece extending therefrom.

2,549,374
MAN'S UNDERGARMENT
Philip Friedman, New York, N. Y.
Application September 30, 1948, Serial No. 52,050
5 Claims. (Cl. 2—224)



1. A garment having a back and front united along the sides and fully open at the top, with openings at the bottom adjacent the sides, the back and front being united between said openings along concave lines, the front having superposed triangular portions making a pointed pleat extending upward from its lower part, to produce a bulging portion therein.

2,549,375
BREAD TOASTER
Alvin C. Goddard, Long Island, N. Y., assignor to Toast-O-Lator Co., Inc., Long Island City, N. Y., a corporation of New York
Application December 8, 1949, Serial No. 131,780
4 Claims. (Cl. 99—386)



1. A toaster having a supporting frame, a slice engaging and advancing element in slidable relation to said frame, said element having a slot elongated in the direction of travel of said slice, a spring acting on said element in the direction of advancement of said slice, a motor mounted on said frame, an eccentric driven by said motor engaging the top, bottom and rear edges of said slot and an adjustable stop mounted on said frame in fixed relation thereto to limit the forward movement of said element.

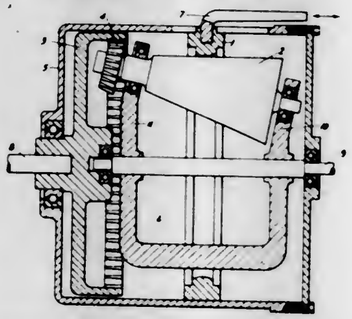
2,549,376
BATHING CAP
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 8, 1949, Serial No. 86,236
3 Claims. (Cl. 2—68)



1. An elastic waterproof bathing cap having an outer edge, and having secured to its inner face near said edge as a water excluding strip a relatively thin, flexible, serpentine rib formed so that it normally extends outwardly from the inner face of the cap and downwardly at an acute angle to such inner face, the resistance of said rib to a force tending to press it flat against

the inner wall of the cap being substantially increased by the series of arcs formed by the serpentine shape of the rib.

2,549,377
TORQUE CONVERTER FLUIDS
Harold R. Kemmerer, Alton, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 4, 1949, Serial No. 119,429
9 Claims. (Cl. 252—49.8)



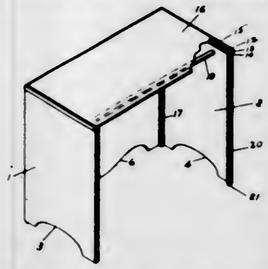
5. A friction gear lubricant comprising 25 to 75 parts by weight of a mixture of tertiary butyl naphthalenes having an average of 1 to 4 butyl substituents per naphthalene nucleus, an average viscosity index of —50 to —400 and at least 90% of said butylated naphthalenes boiling within the range 200° C. to 500° C. at 760 mm. mercury pressure, 75 to 25 parts by weight of a mineral lubricating oil having a Saybolt Universal Viscosity at 100° F. of 30–100 seconds and 1 to 10% by weight of said oil of a triaryl phosphate ester.

2,549,378
SEPARATION OF AMINO ACIDS
Robert Kunin, Trenton, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 16, 1948, Serial No. 15,260
10 Claims. (Cl. 260—309)

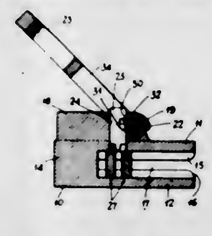
1. A process of separating a basic amino acid from a mixture of amino acids which comprises passing a solution of the mixture through a bed of carboxylic type ion-exchange resin containing carboxylic acid groups and carboxylic salt groups in a ratio that has been adjusted so that the pH of the amino acid solution in contact with the resin is maintained below the isoelectric point of the amino acid to be adsorbed and above the isoelectric point of the amino acid not to be adsorbed, and thereafter eluting the amino acid that has been adsorbed by said resin.

2,549,379
COMBINED SCREEN AND TABLE
Neal W. Liebel, Erie, Pa.
Application October 22, 1947, Serial No. 782,587
1 Claim. (Cl. 311—2)

A combined screen and table top member comprising a screen of generally U-shape having a front panel and side panels, a generally U-shaped frame having a groove extending longitudinally in the bottom side thereof and nesting the upper ends of said panels and also having an L-shaped groove on the upper inner side thereof, vertically extending brace members secured to said panels, and a flat table top member having three marginal edges thereof disposed in the L-shaped groove of said frame.



2,549,380
REVERSE LOCKING SLIDER
Davis Marinsky, Bronx, N. Y., assignor of one-half to Louis H. Morin, New York, N. Y.; Louis H. Morin executor of said Davis Marinsky, deceased
Application May 15, 1947, Serial No. 748,237
9 Claims. (Cl. 24—205.14)

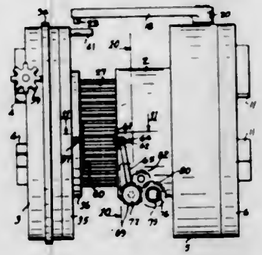


1. A reverse locking slider comprising a channelled slider device defined by walls spaced and joined at the wide end of the device in a connecting web, one wall of the slider above the web and centrally and longitudinally of said wall having a non-crush body, one end portion of said body having a transversely elongated bearing, a pull having a pivot pin mounted and swingable in the bore of said bearing, said body having a vertical bore intersecting the bearing bore, said pivot pin having a lug extending into said vertical bore, a plunger mounted in the vertical bore and having a transverse recess in which the lug of said pin operates to move the plunger upwardly and downwardly in swinging movement of the pull, and said plunger having a lock element at its lower end adapted to extend into the channel of the slider device in the inward movement of said plunger.

2,549,381
PIPE THREADER AND CUTTING DEVICE
Stephen W. Matica, Bridgeport, Conn.
Application November 18, 1946, Serial No. 710,599
8 Claims. (Cl. 10—89)

8. A pipe threading device comprising a casing adapted to embrace a pipe to be threaded, means in the casing for clamping the casing on the pipe, means for operating the clamping means including an operating lever carried by the casing, a carriage including an extension mounted for rotary and longitudinal sliding movement in the casing, means in the casing for rotating the carriage, radially movable thread cutting dies

mounted in the carriage, a radially movable cut off tool carried by the carriage, said carriage being provided with an external peripheral flange, a shoulder on said lever to engage said flange to



prevent longitudinal movement of the carriage during cut off operations, and releasable means on the casing connecting the lever with the clamping operating means.

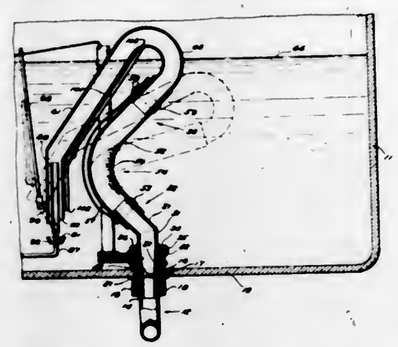
2,549,382
BRAIDED DRIVING BELT
Philip F. Mitterway, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application July 22, 1949, Serial No. 106,129
3 Claims. (Cl. 87—13)



1. The method of connecting the opposed ends of a helix formed machine belt having a core and a braided sleeve covering concentrically disposed to each other, one end of the core protruding through the sleeve at a point adjacent another core portion formed at the opposite end of the sleeve, the step in said method which consists in uncovering one end of the core by retracting a given length of the braided covering, puncturing the uncovered portion of the core with a tool in the form of a slitted needle, passing any unbraided threads of the core portion which is formed with the outer end portion of the covering into the slit of the needle and telescopically engaging the latter core into the uncovered portion of the core by retracting the needle.

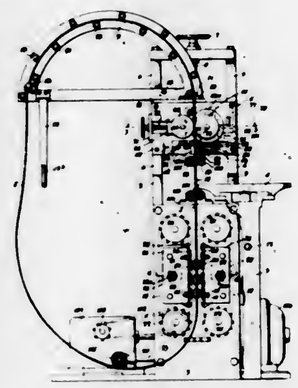
2,549,383
SIPHONIC FLUSHING APPARATUS
Jesse C. Owens, Los Angeles, Calif.
Application February 24, 1947, Serial No. 730,447
3 Claims. (Cl. 4—44)

1. In flushing apparatus of the class indicated for discharging water from a flush tank, a discharge pipe leading from said tank, a siphon tube movably mounted within said tank and communicating with said discharge pipe, means for lowering said siphon tube within water contained within said tank, means for jetting a stream of water into the inlet of said siphon tube, means cooperatively associated with said lowering means for actuating said jetting means as said lowering means is operated, means operative upon release of said submerging means for moving said siphon tube to a position wherein its inlet is adjacent the low water level within said tank, means for maintaining said stream within said siphon tube substantially until the level of water within said tank falls to said low water level,



and means operative substantially as the surface of the water within said tank reaches said low water level for directing the water of said stream into said tank outside of said siphon tube.

2,549,384
BAND SAW MACHINE
Michael Joseph Radecki, Hamden, and Joseph Anthony Krolikowski, New Haven, Conn., assignors to The Henry G. Thompson & Son Company, New Haven, Conn., a corporation of Connecticut
Application May 9, 1945, Serial No. 592,852
7 Claims. (Cl. 29—68)



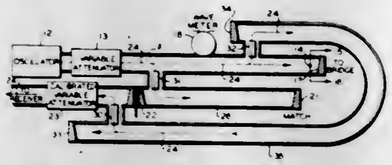
1. In an endless band saw machine, means for restraining the advance of the band comprising a pair of rolls between which the saw band is gripped, means for applying a brake to one of said rolls, the peripheral surfaces of the rolls being tapered on a small angle with the smaller diameter at the rear toward the back edge of the band, guide means adapted to be engaged by the back edge of the saw band to limit its path of travel, and a pulling mechanism for said band comprising a plurality of pairs of opposed gripping elements operating in series on said band in a straight line, the portion of said band under tension throughout the restraining and pulling region being maintained straight.

2,549,385

TEST SET FOR RADAR APPARATUS

Robert A. Rapuano, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application February 7, 1946, Serial No. 646,167
4 Claims. (Cl. 171—95)



1. A radio frequency power test set for testing ultra high frequency radio equipment comprising, first, second and third guided wave transmission lines, each of said transmission lines having a first and second end, means terminating said second end of each of said transmission lines and said first end of said third transmission line in a matched termination, a source of radio frequency energy coupled to said first end of said first transmission line, a first directional coupler coupling a point in said first transmission line at a point adjacent said second end thereof to a point in said third transmission line adjacent said first end thereof, a second directional coupler coupling a point in said third transmission line adjacent said second end thereof to a point in said second transmission line adjacent said first end thereof, a third directional coupler coupling a point in said second transmission line intermediate said second directional coupler and said second end of said second transmission line to a point in said first transmission line adjacent said first end thereof, power measuring means disposed in said first transmission line at a point intermediate said first directional coupler and said second end of said first transmission line, coupling means coupled through attenuating means to said first end of said second transmission line, said coupling means being adapted to receive said radio equipment to be tested and a two position switch means disposed in said second transmission line intermediate said second and third directional couplers, said switch means when in said first position effectively blocking said second transmission line between said second and third directional couplers, said switch when in said second position permitting uninterrupted flow of energy through said section of said second transmission line between said second and third directional couplers.

2,549,386

METHOD FOR FOLDING PAPER

Clarence J. Reigh, Altoona, Pa.

Application January 20, 1948, Serial No. 3,286
2 Claims. (Cl. 270—61)

1. A method of folding a paper strip to form a web comprising progressively feeding said strip to an open box, positioning said strip on the bottom of the box, inserting a first fold plate in said box above a first portion of said strip, placing said first fold plate on said first strip portion above the bottom of the box, placing the next or second strip portion on top of the first fold plate, placing a second fold plate on top of the second strip portion, thereby forming a web edge comprising the juncture of the first and second strip portions, said web edge being rounded and in contact with a side wall of the box, removing said first fold plate from its position between said first and second strip portions, reinserting the fold plate above the free paper strip, pressing the reinserted fold plate downwardly against the underlying paper strip while the first and second strip



portions are in immediate contact with each other and the web edge formed thereby is disposed against a side wall of the box, thereby setting a sharp crease at the web edge by combined crushing pressure of the first strip portion, second strip portion, and side wall.

2,549,387

SAFETY PRESSURE COOKER

Sanford E. Richeson, Brooklyn, N. Y., assignor of one-third to Louis C. Huber, Ridgewood, N. J., and one-third to Joseph A. Allegro, Maspeth, N. Y.

Application August 22, 1946, Serial No. 692,231
5 Claims. (Cl. 220—40)



1. A closure arrangement for pressure cooker of the type comprising an open vessel and a lid seated upon the rim of said vessel, said closure arrangement comprising a plurality of spaced lugs extending from the outer wall of said vessel, a depending flange extending from the periphery of said lid, said flange having a plurality of portions at its lower edge inwardly extending below the lugs, said flange portions being spaced so as to be in registry with said lugs in a certain position of the lid upon the vessel, the axial depth of said depending flange being selected so as to provide clearance between the upper side of the inwardly extending flange portions and the lower side of the respective lugs when the lugs and the flange portions are placed in registry, each of said lugs including two locking portions circumferentially spaced and disposed in different planes relative to the vessel axis, and a plurality of resilient locking elements each supported on the upper side of one of said flange portions extending therefrom toward the lower side of the lugs, each of said elements being positioned to engage, upon placing the lugs and the flange portions in one position of registry, the lower one

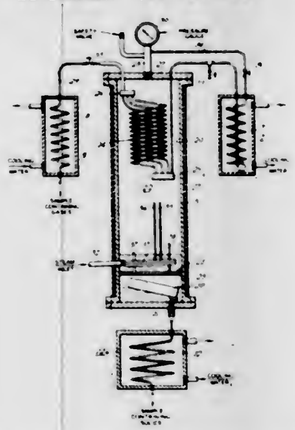
of the locking portions of the respective lug thereby urging the lid against the vessel rim and to face the upper one of said locking portions in another position of registry, thereby providing for raising of the lid within the limits of said clearance while maintaining the lid locked to the vessel.

2,549,388

METHOD AND APPARATUS FOR EFFECTING SELF-REGULATED PARTIAL CONDENSATION OF CONDENSABLE VAPORS

Hubert M. Rivers, Philadelphia, Pa., assignor to Hall Laboratories, Inc., a corporation of Pennsylvania

Application July 22, 1948, Serial No. 40,138
23 Claims. (Cl. 202—69)



1. Apparatus for splitting a steam sample containing gases and solids into two portions, the one being a steam portion containing the gases and the other a liquid portion containing the solids, comprising a steam splitter having a chamber therein for receiving the steam sample, a heat exchange element in said chamber, a condenser outside said chamber, means for passing steam from said chamber to said condenser, means for passing the condensate formed in said condenser through said heat exchange element out of contact with the steam in said chamber, whereby said condensate is re-evaporated into steam with heat supplied by the steam sample in said chamber and the steam sample is partially condensed and split into said solids and gas containing portions, the portion containing the gases passing to said condenser where it is condensed to form the heat exchange element cooling medium for effecting the split of said steam sample, means for collecting said solids containing portion, and means for removing said solids portion from said apparatus whereby it may be analyzed for solids concentration, and means for discharging the steam from said exchange element as it is formed therein.

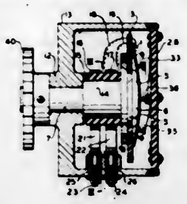
2,549,389

SINE WAVE POTENTIOMETER

Paul Rosenberg, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application May 9, 1945, Serial No. 592,795
18 Claims. (Cl. 201—48)

1. A potentiometer comprising a resistance element having an arched surface, said element comprising a wire of uniform resistance uniformly wound about an arched form of dielectric material, a contact member bearing on said resistance element, said arched surface of said resistance element being arched outwardly in the direction of said contact member, and means for



rotating said contact member in a circular path on said resistance element whereby the resistance between said contact member and either terminal of said resistance element varies sinusoidally in proportion to the angle through which said contact member is rotated.

2,549,390

PHONOGRAPH RECORD CUTTING MECHANISM

Arthur B. Rudenauer, Cleveland, Ohio

Application November 8, 1948, Serial No. 58,825
5 Claims. (Cl. 274—13)



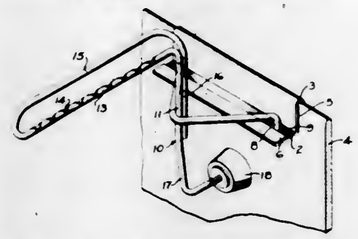
1. In combination with a phonograph record and turntable therefor, a recording and reproducing arm, comprising, a bracket mounted on the phonograph proximate to the turntable, a support member mounted on the bracket having a clutch plate including a friction surface and a driven gear mounted on the support in engagement with the said friction surface, and an arm member having a motor including a drive gear mounted on one end thereof engageable with the said driven gear and also having an operating head including a stylus on the other end thereof engageable with the aforesaid record.

2,549,391

AUTOMOBILE BRACKET

Henry J. Secord, Los Angeles, Calif.

Application July 26, 1948, Serial No. 40,660
3 Claims. (Cl. 211—86)



1. A garment suspension bracket for an automobile which comprises a member having a channel formed to receive the upper edge of a window pane, a garment supporting member formed of a rod, a central portion of which is bent back

on itself to form an elongated open loop, means for attaching said garment supporting member to the channel member so that the elongated loop of the garment member will lie substantially horizontally and at an elevation above the window pane edge when the bracket is installed on said edge, the garment supporting member having one end terminating in a bumper member disposed below the channel member and adapted for pressing against the side of the window pane supporting the bracket.

2,549,392
LIQUID CONTAINING TOY RATTLE
Esther L. Sheridan, New York, N. Y.
Application November 12, 1947, Serial No. 785,263
4 Claims. (Cl. 46—193)



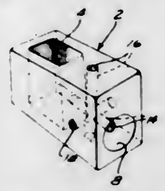
1. A toy including in combination a hollow, transparent member, a hollow stem, the latter having a diameter less than the diameter of said member and being connected to and extending laterally therefrom, a floatable object disposed for movements within said member, a quantity of liquid of a volume not greater than the space defined by said stem and said liquid—when disposed within said member—supporting said object upon its surface and normally retarding its movements and cushioning it in its engagement with the inner surface of said member.

2,549,393
FASTENING
William M. Siesel, Morrisville, Pa.; Josephine M. Siesel executrix of said William M. Siesel, deceased
Application March 23, 1945, Serial No. 584,370
3 Claims. (Cl. 85—1)



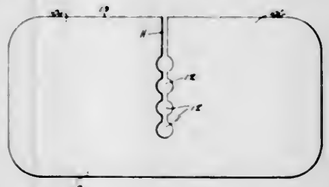
1. A screw, bolt or the like which comprises a strip of metal rolled into arcuate form, externally threaded and with its edges adjacent, but spaced from, each other, means for engaging the strip alternatively near either of said edges to rotate the same in the direction of said engaged edge by a force directed along a chord of the circle to which the strip is rolled, whereby to pull said edge inward from a female thread.

2,549,394
LOOM PICKER
Homer J. Shivell and Philip J. Shivell, Kingsport, Tenn.
Application July 27, 1948, Serial No. 40,904
13 Claims. (Cl. 139—159)



1. A loom picker having its shuttle-engaging face provided with a shuttle point receiving tapered recess, said picker having therein a hole communicating with the base of said recess and extending into the picker along the line of the shuttle thrust and also having therein a vent hole extending from said first-mentioned hole through a side of said picker.

2,549,395
SUN GLARE SCREEN FOR ATTACHMENT TO REARVIEW MIRROR ARMS
Charles A. Short, Sr., Stamford, Conn.
Application June 13, 1949, Serial No. 98,733
5 Claims. (Cl. 296—97)



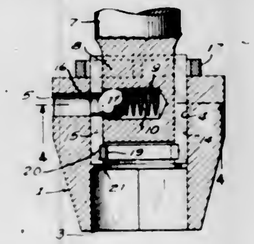
1. An auxiliary sun visor for automobiles, trucks, and other motor vehicles, comprising a rectangularly shaped flat piece of translucent resilient plastic of adequate length to bridge the space between a pair of conventional sun visors mounted in position on a vehicle, and of a width substantially larger than the width of the conventional visors, said piece having a slot in its approximate center beginning at one of its longitudinal edges and running transversely to and terminating in a circular aperture inwardly of the opposite longitudinal edge, said material having a plurality of similar circular apertures spaced along the slot, the apertures being of suitable size to frictionally engage the periphery of the connecting stud attached to the back of a rear view mirror, and said material being shaped along its upper longitudinal side to conform to the contour of the roof portion of the vehicle near the top of the windshield.

2,549,396
HIGH-TEMPERATURE VULCANIZATION
Albert A. Somerville, Carmel, N. Y., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 17, 1949, Serial No. 93,839
4 Claims. (Cl. 260—793)

1. The improvement in the vulcanization of rubber stocks with sulfur which consists in accelerating the vulcanization at temperatures in the range approximating 335° F. to 450° F. during a period of more than 5 seconds but less than one minute with bismuth dimethyl dithiocarbamate.

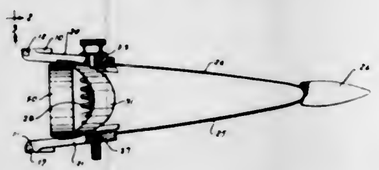
934278

2,549,397
STEM-AND-SOCKET TOOL DRIVE AND ADAPTER THEREFOR
Bayard P. Sparks, St. James, N. Y.
Application April 20, 1949, Serial No. 88,643
6 Claims. (Cl. 287—119)



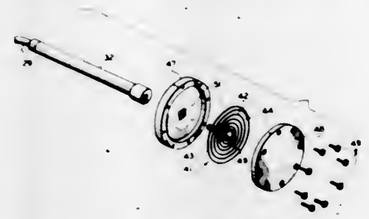
1. An adapter for stem-and-socket tool drives comprising, in combination, a pair of complementary parti-polygonal sleeve members, an expander lodged in one end of the composite sleeve structure for forcing the sleeve members apart and into firm frictional engagement with a surrounding socket member when such a socket member is applied, and a contractor surrounding the opposite end of the composite sleeve structure for pressing the sleeve members together for gripping an inserted stem.

2,549,398
SPEECH CORRECTION DEVICE
Frank F. Steis, Lakewood, N. J., assignor of one-half to Max Hixon, New York, N. Y.
Application January 31, 1948, Serial No. 5,659
6 Claims. (Cl. 128—1)



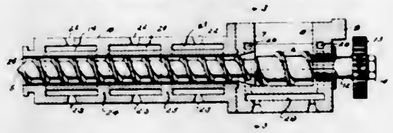
1. In a device adapted to be inserted in the mouth of a patient having speech defects to provide for steady, supported jaw motion of said patient in talking, which device comprises a pair of substantially parallel mouthpieces of arcuate shape, one adapted to fit against the upper jaw teeth and one adapted to fit against the lower jaw teeth, a pair of leaf springs attached together at one end, and each of said leaf springs having its other end attached to the center portion of one of the mouthpieces, the improvement which comprises an endless balanced, elliptically shaped leaf spring adapted to be quickly inserted and held between the said mouthpieces so as to increase the force urging the mouthpieces apart.

2,549,399
ELECTRODE FOR DIATHERMY APPARATUS OR THE LIKE
Gereld L. Tawney, Hempstead, N. Y., assignor of sixty per cent to Atlantic Electronics Corporation, Port Washington, N. Y., a corporation of New York, and forty per cent to Morris Relson, Great Neck, N. Y.
Application October 10, 1947, Serial No. 779,119
12 Claims. (Cl. 128—413)



1. An electrode for a diathermy apparatus or the like comprising a flat spiral of electrically conductive material having one end connected to a coplanar short circuited turn and an electrical terminal on said spiral adapted to be connected to a lead-in conductor.

2,549,400
EXTRUSION APPARATUS
Ingvar Emil Tornberg, Ridgewood, N. J.
Application October 3, 1949, Serial No. 119,229
3 Claims. (Cl. 18—12)



1. In apparatus for plastic molding of powdered or granular material by passage through an extrusion chamber, an extrusion screw rotatable in said chamber, means including a second screw for feeding the material to said extrusion screw, and common driving means for both said screws, said common driving means including a splined shank integral with said extrusion screw, a set of co-operating splines formed about the hollow interior of said feeding screw, said splined shank being of sufficient length to extend completely through said feeding screw and project therefrom, and a power-driven element operatively engaging the projecting portion of said shank.

2,549,401
MULTIPOINT RECORDER
Irving M. Stein and Albert J. Williams, Jr., Philadelphia, and William Russell Clark, Abington, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 28, 1944, Serial No. 560,890
44 Claims. (Cl. 346—33)

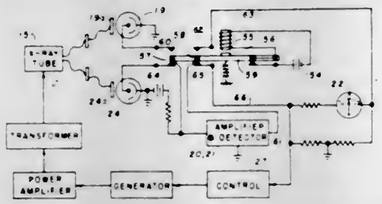
12. In a measuring system having a plurality of thermocouples of differing range of temperature sensitivity, the combination of a plurality of multiple-point switches, a measuring circuit, a compensating network, means including said switches and at least one range-changing relay for connecting said thermocouples in sequence between said measuring circuit and said com-

pensating network, said multiple-point switches having circuit-controlling contacts, one pair for each thermocouple, and additional pairs of contacts, switch-position indicating means operable under the control of said additional pairs of circuit controlling contacts for indicating the position of each of said multiple-point switches, switch-indicating means, control circuits including said additional pairs of contacts for energizing in succession said switch-indicating means as each of said multiple-point switches becomes effective to connect thermocouples between said



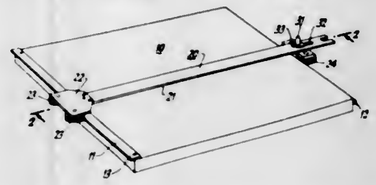
measuring circuit and said compensating network, said at least one range-changing relay having contacts for connecting thermocouples of one range to said compensating network at one point thereof and additional contacts effective upon energization of said relay for connecting thermocouples of differing cold-junction temperature responsiveness to a different point of said compensating network whereby correct compensation is introduced into said system to take care of differing cold-junction characteristics of said thermocouples of differing range.

2,549,402
X-RAY MEASURING SYSTEM
Carl A. Vossberg, Jr., Lynbrook, N. Y.
Application April 1, 1948, Serial No. 18,469
1 Claim. (Cl. 250—83.6)



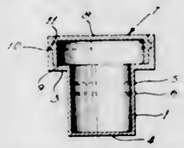
A method of measuring a test specimen's thickness characteristic or the like which comprises generating a quantity of radiation adapted to penetrate the specimen and directing it through a standard reference specimen so as to derive a quantity of penetrated radiation therefrom, picking up the penetrated radiation and transforming it into an electrical voltage, measuring said voltage on a meter calibrated in terms of percentage on both sides of a zero or reference point, regulating the quantity of radiation generated until the meter reads at said reference point, directing the regulated quantity of radiation through the test specimen so as to derive a quantity of generated radiation therefrom and thereafter measuring the voltage derived therefrom on said meter so as to determine its deviation from said zero or reference point in terms of percentage.

2,549,403
T-SQUARE AND DRAWING BOARD
Sidney H. Weinberg, Jr., Baldwin, N. Y., assignor to Basson's Picture Framing Co., Inc., a corporation of New York
Application October 17, 1947, Serial No. 780,463
4 Claims. (Cl. 33—80)



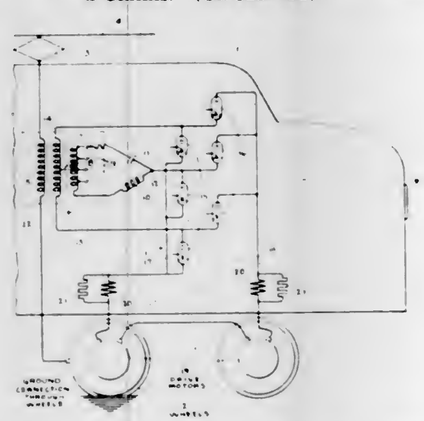
1. In combination, a drawing board having metal tracks on oppositely disposed lateral edges, a T-square having a head supporting rollers for association with one of said tracks, and a straight edge portion supporting a carriage for association with the other of said tracks, said last carriage being on the under side of said straight edge and comprising a pair of spaced wheels and a cross member connected between and supporting said wheels, a pin fastened to the center of said cross member and projecting upward through a longitudinally running slot in said straight edge portion, a downward projection integral with said straight edge portion located near said carriage, another pin arranged at right angles to said first pin and extending along the longitudinal axis of the straight edge portion of said T-square, said other pin being fastened to the center of said cross member and projecting through a hole in said downward projection, said hole being appreciably larger than said last pin to enable free pivotal movement of said carriage in said hole, and a tension spring surrounding said last pin and acting between said downward projection and said cross member for exerting pressure against said carriage in a direction toward said drawing board.

2,549,404
BOTTLE STOPPER
Harold W. Williams, Pawling, N. Y.
Application May 7, 1946, Serial No. 667,860
5 Claims. (Cl. 215—48)



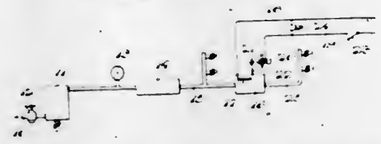
1. As an article of manufacture, a bottle stopper of the kind to be pressed into the neck of a bottle having a smooth inner surface, which bottle stopper consists in combination of two parts, a hollow plug portion having an integral end wall and adapted to engage the inner surface of the neck of a bottle, the plug consisting of a molded, pliable non-stretchable, thermo-plastic material, whereby the plug portion upon being pressed into the neck of a bottle conforms to irregularities in and engages the inner surface of the neck of a bottle in fluid-tight contact therewith, a hollow cap portion of larger transverse dimension than the plug portion integrally formed with the plug portion and forming a shoulder adapted to engage the edge of the neck of a bottle into which the plug portion is pressed, an insert in the cap portion forming the end wall of the cap portion, the insert having a skirt thereon extending into the cap portion, and interengaging complementary circumambient bead and groove, on the cap portion and the insert for retaining the insert therein.

2,549,405
LOCOMOTIVE POWER SYSTEM
Ernst F. W. Alexanderson, Schenectady, Burnice D. Bedford, Scotia, and Albert H. Mittag, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 30, 1949, Serial No. 135,985
2 Claims. (Cl. 318—94)



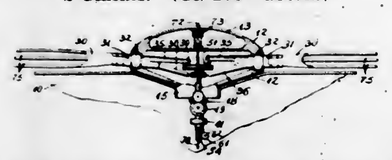
1. In a locomotive power system for utilizing single phase alternating current, a current collector for transmitting the current from a trolley wire to the locomotive, a first transformer primary winding connected in circuit between said current collector and ground, a locomotive speed controller having first and second movable tap changing contacts, said first transformer primary winding having a series of taps adapted to be contacted by said first contact, a second transformer primary winding connected between said first contact and ground, a secondary winding on said second transformer for supplying the A phase of a two-phase circuit, a monocyclic circuit comprising a capacitor, a reactor, and a secondary winding on said first transformer connected in a closed loop for supplying the B phase of said two-phase circuit, a series of taps on said first transformer secondary winding adapted to be contacted by said second controller contacts for changing the current and voltage of said B phase during the initial accelerating period of said locomotive, automatic tap changing apparatus connected to said second contact after the initial acceleration period of said locomotive to control the tap connections at said first transformer secondary winding to balance said B phase current to said A phase current, a connection between the midpoints of said first transformer and said second transformer secondary windings to establish a connection between said A phase and said B phase to obtain a three-phase output voltage therefrom, three-phase output conductors extending from the terminal ends of said second transformer secondary winding and the common connection between said capacitor and said reactor, a rectifier system including a pair of oppositely poled rectifier elements connected to each of said three-phase conductors, the output terminals of one element of each pair being interconnected to comprise one conductor of a direct current load circuit and the output terminals of the other element of each pair being interconnected to comprise the other conductor of said direct current load circuit, locomotive drive motors connected between said load circuit conductors.

2,549,406
CLEANING APPARATUS
Edward Page Anderson, Rutherford, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 19, 1944, Serial No. 545,681
1 Claim. (Cl. 299—58)



A washing and cleaning apparatus utilizing compressed air comprising an air drier, an air cleaner, and an air heater interconnected in series by pipes to the source of compressed air for drying, cleaning and heating the air; a tap-off connection in the pipe interconnecting said air cleaner and said heater, at least two pressure taps, one connected to the tap-off connection for clean, dry air and the other connected to the pipe leading from the heater for clean, dry and heated air; a plurality of solvent containers, a nozzle fixed to each of said pressure taps, and solvent bearing nozzles connected to said solvent containers surrounding said first nozzles whereby a fine spray of solvent issues with the air stream.

2,549,407
HELICOPTER ROTOR CONSTRUCTION
Stefan Apostolescu, New York, N. Y.
Substituted for abandoned application Serial No. 566,324, December 2, 1944. This application June 2, 1948, Serial No. 30,660
2 Claims. (Cl. 170—160.42)



1. In a helicopter rotor having a hollow drum rotatively mounted about a non-rotative tube which rotatively carries a collar and a plurality of rotor blades universally extended through the side walls of the drum and having their inner ends pivotally mounted on the collar forming a turning point about which the rotor blades can be turned on a longitudinal axis for varying their pitch angle, a disc-like cam portion mounted on the tube within the hollow drum, an arm

extending from the inner end of each of the blades and having its free end overhanging the top face of said cam portion, a roller mounted on the free end of each of said arms to roll on the top face of said cam portion as the drum and rotor blades rotate, a cam member pivotally mounted on the top face of said cam portion to be traversed by said rollers as the drum and rotor blades rotate about the tube, and means for raising and lowering said cam member relative to said cam portion during rotation of the drum and rotor blades to vary the pitch of the rotor blades, said raising and lowering means comprising a rod slidable in the tube, said rod having a forked upper end extended from the tube and pivotally attached to said cam member, and means for raising and lowering said rod.

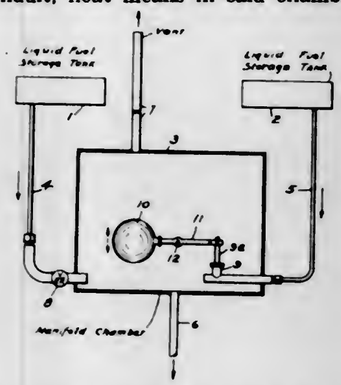
2,549,408
MANUFACTURE OF NORMAL MAGNESIUM CARBONATE
Thomas C. Atchison, Princeton, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 3, 1946, Serial No. 659,343
2 Claims. (Cl. 23—67)



1. In producing reactive normal magnesium carbonate the steps comprising, flowing a stream of magnesium bicarbonate solution continuously through a series of reaction pools, simultaneously feeding to each pool an aqueous slurry of magnesium hydrate, maintaining each pool at a temperature not exceeding about 120° F. while strongly agitating the same, thereby promoting reaction of the magnesium hydrate with the bicarbonate solution and precipitating normal magnesium carbonate crystals, gradually building up the concentration of normal magnesium carbonate crystals in the slurry as the decomposition proceeds through the successive pools, increasing the solids concentration of the resulting normal magnesium carbonate slurry while separating residual dilute bicarbonate liquor subjecting the concentrated slurry to a plasticizing treatment, and improving the reactivity of the normal magnesium carbonate product by allowing the plasticized slurry to age by quiescent standing at a temperature not substantially above 80° F.

2,549,409
AUTOMATIC CHANGE-OVER VALVE
Phillip S. Atkinson, Noroton, Conn., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 23, 1948, Serial No. 16,481
2 Claims. (Cl. 137—68)

1. Means for distributing and controlling liquid flow from at least two separate supply sources, comprising a vented manifold chamber, a discharge conduit opening from said chamber, a primary inlet conduit opening into said chamber from one supply source, said conduit having a check valve against back-flow from the chamber, a secondary inlet conduit opening into said chamber from another supply source, a valve in said conduit, float means in said chamber, an



operating lever connected to said valve and to the float means, moveable with said means to open the valve when the liquid in said chamber from any source is below a predetermined level.

2,549,410
CONNECTOR FOR WRIST WATCHES
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application August 18, 1948, Serial No. 44,901
3 Claims. (Cl. 24—232)



3. A bracelet connector comprising an ornamental shell having spaced hollow legs providing a housing and defining a space for the reception of a coupling element, the free end portion of one of said legs having a latch opening, a latch member pivotally connected to the free end portion of the other of said legs so as to swing toward and away from said latch opening, thereby to open and close said space, and latch-locking means within said housing, including a movable locking member having a free end portion normally positioned to engage and releasably lock the free end of said latch member when in closed position, said locking member having a part which projects outwardly beyond said housing to provide a finger piece by means of which said locking member may be moved from locking position, thereby to release said latch.

2,549,411
ELECTROLYTIC STRIPPING OF NICKEL COATINGS FROM FERROUS METALS
Henderson M. Bell, III, Cleveland Heights, and Ernest W. Schweikher, Chagrin Falls, Ohio
No Drawing. Application December 6, 1946, Serial No. 714,636
3 Claims. (Cl. 204—146)

2. In the stripping of nickel from ferrous metals, the process which comprises inserting a ferrous metal article coated with nickel in a stripping bath and passing a direct current from said article, serving as anode, to a cathode; said stripping bath consisting substantially of an aqueous solution of a salt whose anion is that of an oxidizing-passivating acid selected from a class consisting of nitric and chromic acids and whose cation is that of a nitrogen base selected from a class consisting of ammonium hydroxide, guanidine, diethanolamine, triethanolamine, trimethyl amine, ethylene diamine, urea, benzyl amine, aniline, methylphenyl amine, dimethylphenyl amine and diphenylmethyl amine, said bath having a concentration of said salt ranging from about 50 to 300 grams per liter and a pH within the range of from about 3.0 to 6.0.

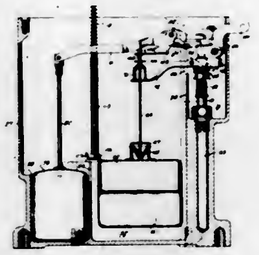
2,549,412
FOLDING BOAT
Leo O. Bergman, Coloma, Mich.
Application September 7, 1944, Serial No. 552,959
13 Claims. (Cl. 9—2)



2. A foldable boat comprising a bottom section having a resilient end portion adapted to lie substantially in the plane of said bottom section when the boat is in folded condition, and to be bowed upwardly therefrom, when the boat is set up for use as such, a deck section comprising a gunwale member at and extending along each side of the boat, each gunwale member having an end connected with the resilient end portion of said bottom section, at one end of the boat, foldable bracing means interconnecting the bottom section and said gunwale members at the opposite end of the boat, strips of flexible sheet material secured to the respective gunwale members and the adjacent sides of said bottom section, and extending longitudinally thereof, thereby providing boat sides, said strips being foldable lengthwise of the boat thereby permitting the gunwale members to lie closely upon the said bottom section when the boat is in collapsed condition, and spreader members interposed between the gunwale members and the bottom section for securing the gunwale members in spaced relation with respect to said bottom section, thereby flexing said resilient end portion of said bottom section and opening said side members.

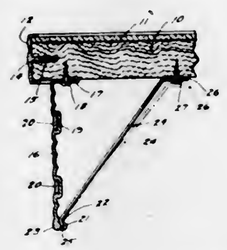
2,549,413
MULTIBURNER FUEL CONTROL DEVICE
William A. Biermann and Lourdes V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application October 9, 1944, Serial No. 557,772
12 Claims. (Cl. 137—68)

1. A device controlling the flow of liquids to a plurality of discharge points and comprising a casing having a plurality of chambers at different levels therein, an inlet valve in the higher chamber to control the flow of liquid into the casing, means for directing overflow from the higher chamber into the lower chamber, a float in the lower chamber for controlling opening of the inlet valve responsive to changes in liquid level in the lower chamber, a leverage connecting



the valve with the float, a metering valve in the higher chamber for controlling the flow of liquid therefrom to one point of discharge, means receiving liquid from the lower chamber and metering means controlling the flow therefrom to another point of discharge.

2,549,414
SKIRTING MOLDING FOR TABLE TOPS
William L. Bonnell, Youngstown, Ohio, assignor to Trimedge, Incorporated, Youngstown, Ohio, a corporation of Ohio
Application June 11, 1949, Serial No. 98,419
5 Claims. (Cl. 311—107)



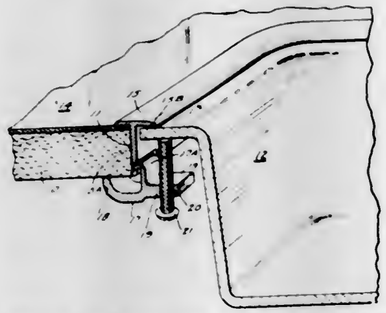
1. A skirt moulding for a table top adapted to be secured at its upper part to the table top, and supporting means for the skirt moulding including a longitudinally extending upwardly facing channel on the skirt moulding at the rear side thereof below the upper end of the same, and a plurality of elongated bracket members each having flat end portions disposed at angles to the longitudinal axis of the main body part thereof, one of the end portions of each of the bracket members being formed to detachably fit into said channel of the skirt moulding, and the other end portion of each bracket member being formed to fit against the under face of the table top inwardly of the marginal portion thereof, and means for securing said last mentioned end portions of the bracket members against the under face of the table top, said bracket members each being of a length whereby when the lower end portion of the same is seated in said channel and the upper end portion of the bracket member is then fastened against the under side of the table top, the lower end portion of the bracket member is maintained seated in said channel.

2,549,415

SINK FRAME AND MOUNTING THEREFOR

William L. Bonnell, Youngstown, Ohio, assignor to Trimedge, Incorporated, Youngstown, Ohio, a corporation of Ohio

Application December 15, 1949, Serial No. 133,100
3 Claims. (Cl. 4—187)



1. Means for mounting a flanged sink in an opening in a supporting structure and comprising a frame of extruded metal of cross sectional T shape, the vertical section of which is adapted to be positioned between the edge of the opening in the supporting structure and the edge of the flanged sink and with the horizontal portion of the said frame overlying the adjacent edges of the said supporting structure and the flanged sink respectively, the vertical section of the said frame having a plurality of longitudinally spaced, vertically staggered slots therein, a plurality of levers of extruded metal of substantially T-shape, each of which has one end thereof formed in an outwardly and upwardly curved arm and the other end formed in an outward extension having a vertically disposed drilled and tapped opening therein and each of the levers having an upstanding integral flange midway between its ends, the upper end of which is outturned for registry with one of the said slots, bolts positioned in each of the vertically disposed drilled and tapped openings and movable upwardly for engagement with the flanged sink at points immediately beneath the edge of the horizontal portion of the frame overlying the said flanged sink, the outwardly and upwardly curved arm of each of the said levers extending in under the said supporting structure and engaged thereagainst whereby upward movement of the said bolts spaces the said flanged sink with respect to the said levers and moves the same into engagement with the said frame.

2,549,416

PREPARATION OF ALCOHOLS

Richard E. Brooks, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 4, 1948, Serial No. 6,350
9 Claims. (Cl. 260—638)

1. A process for preparing 3,5,5-trimethylhexanol-1 by hydrogenating 3,5,5-trimethylhexanal in the vapor phase, which comprises vaporizing the 3,5,5-trimethylhexanal by passing it down into a vaporization zone, at the same time passing up into said zone from 15 to 60 mols of hydrogen per mol of 3,5,5-trimethylhexanal introduced, controlling the concentration of 3,5,5-trimethylhexanal in the vapor phase by controlling the amount of heat provided to the vaporization zone, and then passing the vaporous mixture thus obtained, at a temperature within the range of from 150° to 250° C., at a pressure of from 200 to 600 pounds per square inch gauge, and at a space velocity of from 4,000 to 30,000 volumes of gas per volume of catalyst per hour, over a catalyst comprising reduced copper plus zinc oxide.

2,549,417

SYRINGE AMPOULE

Frank E. Brown, Burbank, Calif., assignor to Frederick M. Turnbull, Los Angeles, Calif.

Application August 10, 1949, Serial No. 109,430
5 Claims. (Cl. 128—272)



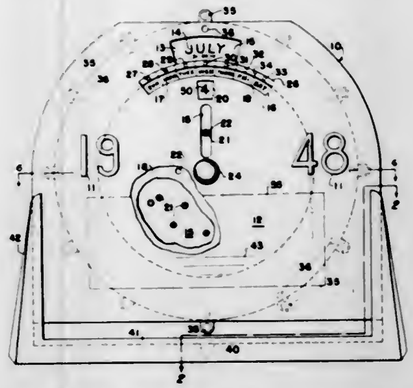
1. An ampule including a tubular body, the bore of said body at a zone intermediate its ends being formed with an axially extending rib projecting inwardly within the bore in the direction of the tube axis, said rib—in conjunction with adjacent bore surfaces—providing a by-pass for liquid normally confined within the bore and to the rear of a resilient stopper as the latter is shifted axially of the bore in the zone of said rib.

2,549,418

CALENDAR

Robert Merlin Bryant, Baltimore, Md.

Application March 29, 1948, Serial No. 17,729
4 Claims. (Cl. 40—115)



1. A calendar comprising a casing comprised of a front sheet and a back sheet, said front sheet having a plurality of axially aligned windows, a plurality of discs in said casing between said front and back sheets, a hub element extending through the center of said casing and discs, a knob secured on said hub element and manually operable in front of said front sheet to rotate one of said discs, the first of said discs bearing the names of the months selectively appearing through the first of said windows, the second of said discs bearing the names of the days of the week and the numerals of the days of the months selectively appearing through two more of the respective windows, and said first mentioned disc bearing additional symbols to indicate special feast days, said symbols coinciding with openings through said second mentioned discs and appearing through the last of said mentioned windows.

2,549,419

MULTIPLEX LAMINATED POSTER

John X. J. Callahan, Wilkes-Barre, Pa.

Application November 15, 1946, Serial No. 709,909
1 Claim (Cl. 40—125)



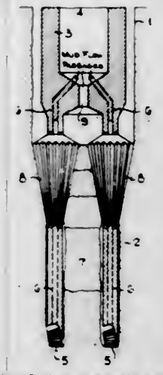
An advertising device comprising a plurality of superposed sheets each having an outer side bearing advertising indicia and an inner or back side containing an adhesive coating completely covering said back side, said sheets being secured together by the adhesive coatings and the innermost sheet being adapted to be removably secured to a rigid base member by the adhesive coating thereof, said adhesive coatings permitting the sheets to be detached one by one from the outermost to the innermost, and said adhesive coatings each being of a type which when detached from the outer side of the sheet disposed therebehind will leave only a transparent film on the indicia bearing outer side thereof.

2,549,420

CORING AND CRUSHING BIT

John M. Camp, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 25, 1948, Serial No. 16,971
2 Claims. (Cl. 255—72)



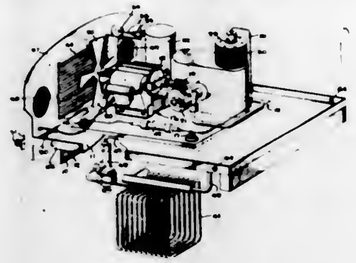
1. A drilling tool for penetrating hard formations in the earth comprising a body attachable to a drill string, said body terminating in a lower hollow cylindrical portion, a plurality of primary cutting elements attached to the lower extremity of said body about the circumference thereof and adapted to cut an annulus of the formation and to leave a central core thereof, and a plurality of secondary crushing elements rotatably mounted on said body on substantially vertical axes above said primary cutting elements, said crushing elements comprising elongate reamer members tapering inwardly toward their axes in a downward direction so that as said core moves upwardly past said members progressively small diameters of said core will be engaged by said members.

2,549,421

PORTABLE REFRIGERATOR WITH REMOVABLE UNIT

Ulrich S. Carrington, Burbank, Calif.

Application January 3, 1949, Serial No. 68,801
7 Claims. (Cl. 62—117.2)



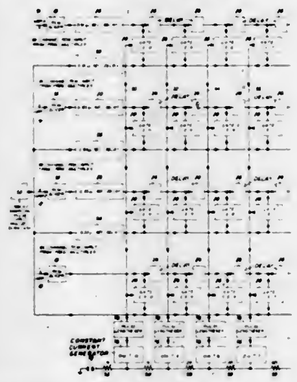
1. A refrigerator, comprising a refrigerating compartment having walls, a floor, and a door, a refrigerating mechanism having a base forming the top closure of said refrigerating compartment, a mounting plate on which is mounted a compressor, a motor for said compressor, and a replaceable refrigerant tank; and under which is mounted an evaporator coil, a condenser coil, fixed fastening means for attaching said plate to said base, a panel integral with and extending upwardly from said base, said panel having an opening therein in which said condenser coil is positioned for cooling the refrigerant in said mechanism, and a cover for enclosing said mechanism, said panel forming one enclosing side for said mechanism.

2,549,422

DECODER FOR MULTIPLE CARRIER PULSE CODE MODULATION SIGNALS

Robert L. Carbrey, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

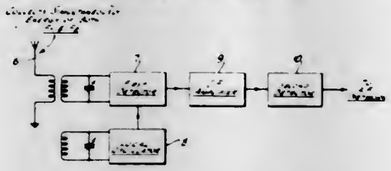
Application January 6, 1949, Serial No. 69,528
9 Claims. (Cl. 179—15)



1. Apparatus for decoding a plurality of code groups each of n equally spaced code element pulses of equal length, said code groups being distributed among a plurality of separate transmission channels comprising, a decoder arranged to accept the n pulses of a code group simultaneously on separate input connections and to produce an output corresponding to said code group, means for spacing corresponding pulses of corresponding code groups from said separate

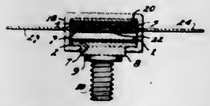
channels to occur at equal intervals during a period equal to that occupied by a code group in said channels, means at the output of said spacing means of each channel for obtaining the n pulses of the code groups therefrom simultaneously in n separate circuits, and means for applying the pulses from the n simultaneous outputs of each of said last-mentioned means to the corresponding input connections of said decoder.

2,549,423
REDUCTION OF SELECTIVE FADING DISTORTION
Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 22, 1943, Serial No. 503,465, now Patent No. 2,413,543, dated December 31, 1946. Divided and this application September 20, 1945, Serial No. 617,587
3 Claims. (Cl. 250—6)



1. In a radio signalling system wherein a plurality of radio carrier waves having different frequencies in adjacent channels are modulated by the same intelligence signals and are simultaneously transmitted, a receiver for said carrier waves, comprising carrier wave amplifying means having a frequency pass band substantially equal to the combined band width of said plurality of adjacent channels, and a single carrier wave demodulator coupled to said amplifying means and having a responsive band width substantially equal to the combined band width of said plurality of adjacent channels.

2,549,424
FILTER ELEMENT USEFUL IN RADIO CIRCUITS
Wendell L. Carlson and Robert L. Harvey, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 29, 1947, Serial No. 738,166
7 Claims. (Cl. 178—44)



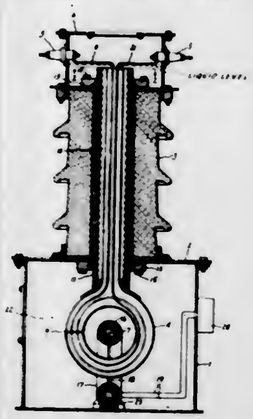
1. An electric filter element comprising an electrically conductive terminal member having a plane surface, a ceramic capacitance plate having opposite electrically conductive surfaces and mounted with one of said surfaces in contact with said plane surface, a first electrically conducting terminal plate having one surface thereof in contact with the other of said capacitance plate surfaces and provided with an outwardly extending terminal lug, a ceramic resistance plate having opposite electrically conductive surfaces and mounted with one of said surfaces in contact with the other of said first terminal plate surfaces, and a second electrically conducting terminal plate having one surface thereof in contact with the other of said resistance plate surfaces and provided with an outwardly extending terminal lug.

2,549,425
CONDENSATION OF ALKYLATED NAPHTHALENE WITH A SULFUR OXYHALIDE IN PRESENCE OF FRIEDEL-CRAFTS CATALYST AND MINERAL OIL COMPOSITIONS CONTAINING SAME
Edward P. Cashman, Bayonne, N. J., and Eugene Lieber, Chicago, Ill., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1947, Serial No. 795,122
16 Claims. (Cl. 252—48.2)

1. A process for preparing a wax modifying agent comprising reacting substantially equimolar proportions of an oxyhalide of sulfur and an alkylated naphthalene containing more than 8 carbon atoms in the alkyl chain in the presence of a Friedel-Crafts catalyst at a temperature within a range of from room temperature to 300° F.

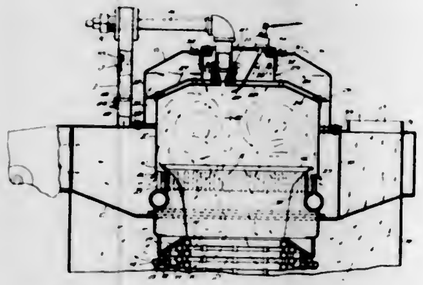
14. A lubricant comprising a major proportion of a mineral lubricating oil and from 0.018% to 0.125% of a compound obtained by the condensation of 20 parts by weight of a sulfur oxyhalide with 150 parts by weight of an alkylated naphthalene having an alkyl group containing at least 8 carbon atoms in the alkyl group at a temperature of between room temperature and 300° F. in the presence of Friedel-Crafts catalyst.

2,549,426
ELECTRIC TRANSFORMER
Frank M. Clark, Schenectady, N. Y., and Guglielmo Camilli, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application December 22, 1948, Serial No. 66,805
2 Claims. (Cl. 175—358)



1. A transformer having a high voltage winding and a low voltage winding, a casing surrounding both windings, a separate metallic shell of smooth external surface surrounding each winding and electrically connected thereto, each shell having a discontinuity so as to prevent its being a short-circuited turn with respect to said transformer, said shells being inter-linked and physically separated from each other, and a liquid dielectric in said casing having a dielectric constant of at least 4 at 25° C., said liquid surrounding said shells and being the sole insulation in the space between their inter-linked surfaces.

2,549,427
GAS BURNER ASSEMBLY
Alick Clarkson, Itasca, Ill., assignor of one-half to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware
Application March 15, 1948, Serial No. 14,951
9 Claims. (Cl. 158—7)



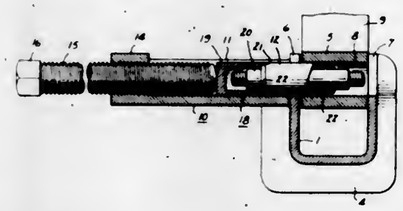
1. A gas burner assembly for delivering hot gases of combustion into a heat-exchange apparatus and comprising a casing defining a chamber for containing air under pressure; a cylindrical casing defining a combustion chamber having an end wall at one end and open at the other end and having its open end extending into said air chamber, whereby air enters the combustion chamber through said open end and whereby the cylindrical wall of the combustion chamber transfers heat to the air within said air chamber; a main fuel nozzle for delivering gaseous fuel into the combustion chamber adjacent the cylindrical wall thereof through said open end of the combustion chamber casing; an air dome surrounding the end portion of the combustion chamber casing having said end wall, but spaced therefrom to provide an air passage communicating with said air chamber; an annular cap plate overlying the said end wall of the combustion chamber casing and providing a passage for directing air under pressure into the combustion chamber through an opening in said end wall, whereby the last mentioned air mixes thoroughly with the gaseous fuel and imparts toroidal movements thereto; a cylindrical portion uniting the central portion of said cap plate with the air dome and provided with openings defining air passages for delivering additional air into the combustion chamber; and valve means for varying the amount of air delivered through the last mentioned passages into the combustion chamber.

2,549,428
INFLATABLE JET-PROPELLED ELASTIC TOY
Louis Costea, Brea, Calif.
Application October 17, 1947, Serial No. 780,392
2 Claims. (Cl. 46—87)

1. An exhaust propelled craft comprising an expansible body portion, an exhaust portion extending therefrom and having an orifice, a valve means seating under contraction of the expanded body portion and unseating under expansion of the body portion to permit a limited exhaust and substantially stiff means in said body portion and attached to said valve means for directing the same into said orifice upon contraction of said body portion.



2,549,429
CLAMP FRAME PRESS
Raymond H. Cowles, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 12, 1947, Serial No. 754,289
3 Claims. (Cl. 29—257)

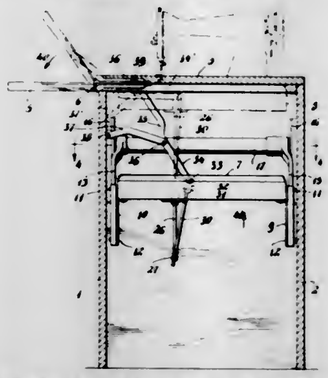


1. A device for pressing an elongated thin walled cylindrical shell into a socket in a support, comprising in combination a frame member for straddling the support, an extension guide member having an elongated trough-like channel of substantially U section rigidly secured at one end to the frame member and extending laterally therefrom for supporting a shell to be pressed axially through and out one end of the channel into the support socket, said extension member having means for engaging circumferentially spaced portions of a supported shell to guide the latter during the pressing thereof, and means associated with the lateral extension member for moving a supported shell axially through the channel of the lateral extension member and for pressing the shell into the support socket.

2,549,430
PROCESS OF REDUCING CORROSION AND COMPOSITION OF REDUCED CORROSIVENESS
Eugene D. Crittenden, Petersburg, Va., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application December 16, 1944, Serial No. 568,560
13 Claims. (Cl. 71—30)

1. The process of reducing corrosion at atmospheric temperatures of ferrous metals by an aqueous solution of ammonium nitrate and urea which comprises incorporating in said solution a small amount of free ammonia which is only a fraction of a percent by weight of the solution and which decreases the corrosiveness of the solution at atmospheric temperatures towards a ferrous metal to less than that of a neutral solution of the same ammonium nitrate and urea content and contacting said solution with said ferrous metal at said temperatures.

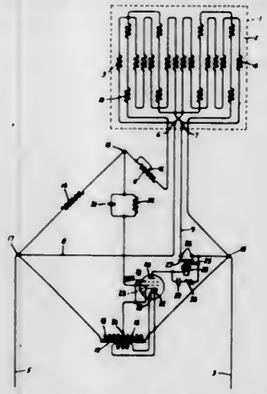
2,549,431
RETRACTABLE WORKTABLE
Giacomo Crosa and Luigi Crosa, Genoa-Bolzaneto, Italy
Application April 20, 1948, Serial No. 22,166
In Italy April 29, 1947
1 Claim. (Cl. 312—24)



In a device for raising and lowering an implement to and from a working position and a position of rest vertically spaced therefrom, a supporting member adapted to receive the implement, a pair of parallel motion linkage systems connected to two opposed sides of the member each comprising two vertically spaced parallel links, a vertical movable strap rigidly connected to each said side of the member and pivotally connected to one end of the two links and a second strap pivotally connected to the opposite end of the two links and fixed to a support, a vertical prop rod depending from the underside of the member rigidly connected thereto and having a hinge connection at the lower end, a linkage system including at least one universal joint and comprising a first link connected at its lower end to said hinge connection and situated substantially alongside of said prop rod, an actuating link pivotally connected at one end to said first link and at the other end to a hand actuated member movable between two positive positions of rest, and a fulcrum link pivotally connected at one end to the support and at the other end to an intermediate point of the actuating link, and resilient means yieldably opposing downward movement of the supporting member from raised to lowered position.

2,549,432
ELECTRIC BLANKET CONTROL
George C. Crowley, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 9, 1946, Serial No. 639,994
2 Claims. (Cl. 219—46)

1. An electric blanket comprising a flexible blanket body, heating means for heating said body, and control means for controlling the operation of said heating means including a Wheatstone bridge having one leg defined by a flexible feeler element distributed throughout said blanket body so as to respond to its temperature and characterized by a resistance which varies widely with changes in the temperature of said body, and also an adjustable resistance connected in series with said feeler element, and said bridge having a second leg defined by a fixed resistance and connected by a first terminal to the first leg, and said bridge having third and fourth impedance legs joined by a second terminal and connected with said first and second legs respectively by means of third and fourth terminals, a source of alternating current supply connected to said third and fourth terminals, a control circuit for said heating means connected with said third and fourth terminals and including a control element for effecting the energization of said heating means from said supply source and the disconnection thereof from the supply source, an electron discharge device provided with a cathode, an



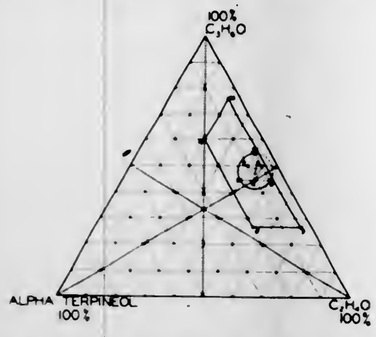
anode and a controlling grid, the anode-cathode circuit being connected in circuit across said second and fourth terminals, and means responsive to the current therein controlling the operation of said control element, and the grid-cathode circuit of said discharge device being connected across said first and second terminals whereby the grid controls the passage of current in said anode-cathode circuit in accordance with the resistance of said feeler element and thereby the temperature of said blanket body, and said adjustable resistance when adjusted changing the temperature held in said blanket.

2,549,433
CLEANSING TISSUE COMPACT
John G. Curry, Minneapolis, Minn., assignor of one-third to Robert W. Curry, St. Paul, Minn., and one-third to Joseph J. Weichselbaum, Lakeville, Minn.
Application September 7, 1948, Serial No. 48,011
8 Claims. (Cl. 206—37)



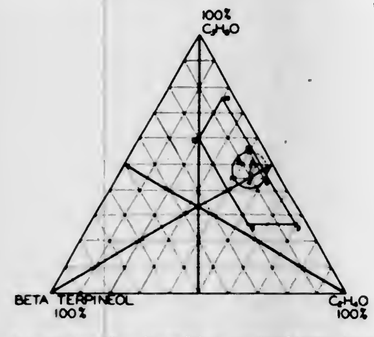
2. A cleansing tissue compact comprising a comparatively flat receptacle adapted to contain a plurality of tissues folded upon themselves to form a compact pad, said receptacle being provided along one of its edge walls with an elongated opening through which tissues may be successively drawn from the pad and a pad retention plate hingedly connected to the opposite edge wall of the receptacle and extending into a fold in the tissue pad, said pad retention plate terminating snort of the first mentioned edge wall to permit the tissues to be folded thereover and within the adjacent end wall.

2,549,434
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 11, 1949, Serial No. 109,791
7 Claims. (Cl. 252—331)



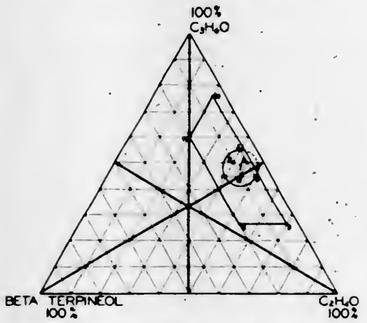
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including at least one cogeneric mixture of a homologous series of glycol ethers of alpha-terpineol; said cogeneric mixture being derived exclusively from alpha-terpineol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the trapezoidal area defined approximately in the drawing by points 8, 9, 10 and 11.

2,549,435
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 11, 1949, Serial No. 109,794
7 Claims. (Cl. 252—331)



1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including at least one cogeneric mixture of a homologous series of glycol ethers of beta-terpineol; said cogeneric mixture being derived exclusively from beta-terpineol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the trapezoidal area defined approximately in the accompanying drawing by points 8, 9, 10 and 11.

2,549,436
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 11, 1949, Serial No. 109,796
5 Claims. (Cl. 252—331)

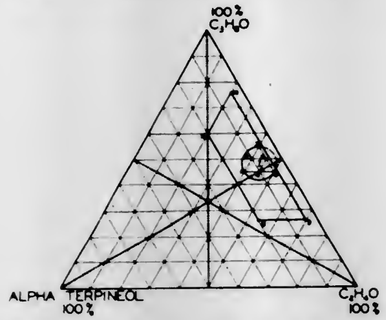


1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a cogeneric mixture of a homologous series of glycol ethers of beta-terpineol; said cogeneric mixture being derived exclusively from beta-terpineol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the segment of the circle in the accompanying drawing in which the minimum beta-terpineol content is at least 4% and which circle is identified by the fact that points 1, 3 and 6 lie on its circumference, and with the proviso that the beta-terpineol be reacted first with all the propylene oxide and then with the ethylene oxide.

2,549,437
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 15, 1949, Serial No. 110,332
5 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a cogeneric mixture of a homologous series of glycol ethers of alpha-terpineol; said cogeneric mixture being derived exclusively from alpha-terpineol, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the segment of the circle of the accompanying drawing in which the minimum alpha-terpineol content is at least 4% and which circle

is identified by the fact that points 1, 3 and 6 lie on its circumference, and with the proviso that



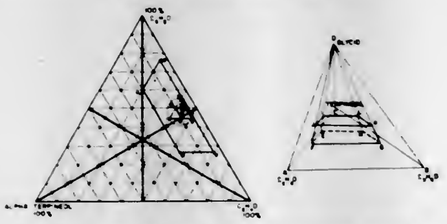
the alpha-terpineol be reacted first with all the propylene oxide and then with the ethylene oxide.

2,549,438

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application September 28, 1949, Serial No. 118,411
7 Claims. (Cl. 252—331)



1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including at least one cogeneric mixture of a homologous series of glycol ethers of alpha-terpineol; said cogeneric mixture being derived exclusively from alpha-terpineol, glycide, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the truncated trapezoidal pyramid identified as E, F, G, H—I, J, K, L in Figure 4, with the proviso that the percentage of glycide is within the limits of 2% to 25% by weight and that the remaining three initial reactants, recalculated to a 100% basis, lie approximately within the trapezoidal area defined approximately in Figure 3 by points 8, 9, 10 and 11.

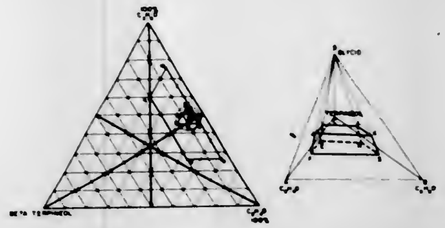
2,549,439

PROCESSES FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application September 28, 1949, Serial No. 118,413
7 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including at least one cogeneric mixture of a homologous series of glycol ethers of beta-terpineol; said cogeneric mixture being derived exclusively from beta-terpineol, glycide, ethylene oxide and propylene oxide in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies



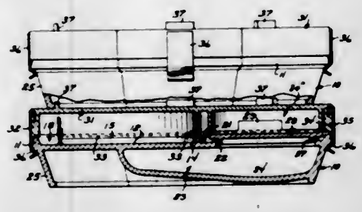
approximately within the truncated trapezoidal pyramid identified as E, F, G, H—I, J, K, L in Figure 4, with the proviso that the percentage of glycide is within the limits of 2% to 25% by weight that the remaining three initial reactants, recalculated to a 100% basis, lie approximately within the trapezoidal area defined approximately in Figure 3 by points 8, 9, 10 and 11.

2,549,440

COMBINATION DISH

Ernesto Cancio Erro, Habana, Cuba

Application June 29, 1948, Serial No. 35,820
2 Claims. (Cl. 65—59)



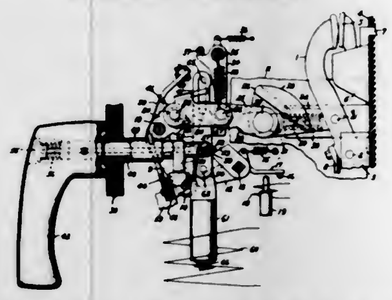
1. A combination dish comprising a body having a top with an upstanding peripheral flange, partitions dividing the top into areas of unequal sizes, said top having an opening within one of the areas, a bowl formation extending below the opening and under the top for the purpose of confining liquid foods, a top cover for said body having depending portions engageable with the upstanding peripheral flange of the top of the body member and with the partitions of the body member top whereby to form compartments between the top and the cover, a cover adapted to extend over only the opening to the bowl compartment, and portions on the first mentioned cover engageable with the second mentioned cover for maintaining the second mentioned cover in place over the bowl compartment opening, said second cover serving as a tray and providing a compartment for dessert or additional food, and fastening elements extending from the first mentioned cover over the flange of the body member to fix the first mentioned cover thereto.

2,549,441

ELECTRIC SWITCH OPERATOR

John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application September 23, 1947, Serial No. 775,573
10 Claims. (Cl. 200—89)



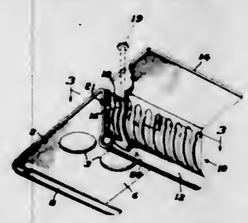
10. An electric switch comprising a movable circuit controlling member, a reversely movable tripping element, releasable means for holding said element against movement in one direction, a link connected at one point to said member, guiding means for causing a remote point of said link to move within predetermined limits in a predetermined path extending substantially in said one direction, means including a spring opposing movement of said remote point of said link in the opposite direction and tending to cause movement thereof in said one direction, a toggle interconnecting said element and said link, actuating means for straightening said toggle from a buckled position to a given position in substantial alignment with said link whereby to move the link against the bias of the spring and thereby effect movement of said member to a predetermined circuit controlling position, and movable stop means engageable with said toggle in said given position to prevent rebuckling of the toggle until longitudinal movement thereof in said one position whereby to hold said member in said circuit controlling position as long as said releasable means holds said tripping element against movement in said one direction.

2,549,442

STRUCTURAL ELEMENT

Herbert C. Fischer, Wellesley Hills, and Allan H. W. Higgins, Boston, Mass.

Application May 3, 1946, Serial No. 667,169
1 Claim. (Cl. 189—37)



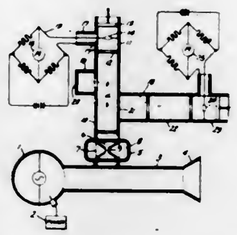
A structural element comprising a pair of spaced opposed side walls having a longitudinal opening at their upper ends, said walls being formed integrally and merging into a curved bottom wall, curved projections on at least one of said walls providing passageways between said walls for holding driven fasteners, said curved bottom wall having a diameter substantially greater than said passageways, whereby the space inside said curved wall can accommodate a plurality of driven fasteners at the same point.

2,549,443

ULTRA HIGH FREQUENCY COUPLING AND MEASURING DEVICE

Milan D. Fiske, Burnt Hills, N. Y., assignor to General Electric Company, a corporation of New York

Application January 21, 1949, Serial No. 71,906
3 Claims. (Cl. 178—44)



1. In an antenna system for transmitting pulses of electromagnetic energy of an ultra high frequency, a wave guide having a high frequency energy absorptive termination, a transmit-receive device connected between said antenna system and said wave guide, said transmit-receive device being responsive to any one pulse of transmitted energy to permit the passage into said wave guide of an initial spike of multi-frequency energy followed, for the remainder of said one pulse, by flat energy of greatly reduced amplitude at said frequency of transmission, a pair of cavity resonators tuned to said frequency of transmission and coupled to said wave guide at points separated along the longitudinal axis of said guide by a distance substantially equal to an odd multiple of a one-quarter wave length at said frequency of transmission, whereby said spike energy is directed to said energy absorptive termination of said wave guide and said flat energy is directed into the one of said resonators located more adjacent said transmit receive device, and high frequency energy receiving means coupled to said last-mentioned one of said resonators to receive only that portion of the energy passing through said transmit receive device which is propagated at said frequency of transmission.

2,549,444

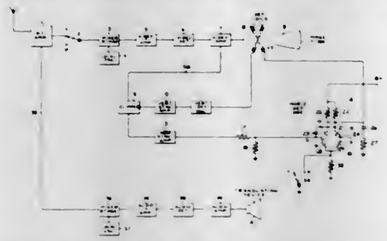
SWITCHING TRANSIENT NOISE SUPPRESSION SYSTEM FOR COMBINATION RADIO AND TELEVISION RECEIVERS

Raymond F. Foster, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application December 17, 1947, Serial No. 792,118
5 Claims. (Cl. 178—5.8)

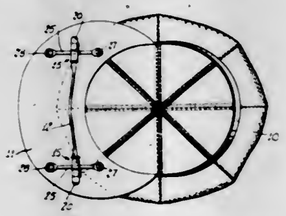
1. In a combination radio and television receiving system, a first switching means for selectively conditioning said receiver for television and radio operation, a cathode ray tube deflection oscillator of the cathode-coupled type comprising a pair of electron discharge devices having a common cathode circuit, means for regeneratively coupling said devices for generation of oscillations comprising a coupling impedance included in said cathode circuit, second switching means connected in shunt therewith for short-circuiting said impedance to stop said oscillations

and to suppress transient oscillations from said oscillator when operation of said oscillator is discontinued, and means for actuating said second



switching means to short-circuiting position when said system is conditioned for radio reception.

2,549,445
GOGGLE SUPPORT
Albert H. Friess, New York, N. Y., assignor to Viewmaster Corp., New York, N. Y., a corporation of New York
Application July 27, 1949, Serial No. 106,990
2 Claims. (Cl. 2—10)



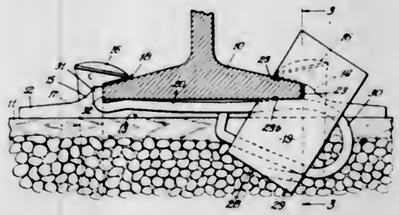
1. The combination of a cap and a goggle structure, said cap having a visor, cylindrical supporting brackets fixed to the undersurface of the visor at its opposite side edges, said goggle structure including a frame having protruding offset end portions with ball-shaped tips integral therewith and means for interconnecting each protruding end portion and one of said supporting brackets, said means including a one-piece device having a spheroidal spring socket portion at one end frictionally and detachably embracing the adjacent ball-shaped tip, an intermediate curved portion detachably embracing the adjacent bracket and an angular tip portion at the other end adjacent the underside of the visor for manipulating the goggle structure.

2,549,446
HAIR CURLER
Samuel Frishberg, New York, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J., a corporation of Delaware
Application March 12, 1949, Serial No. 81,203
4 Claims. (Cl. 132—40)



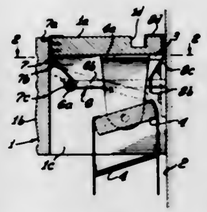
1. A hair curler comprising a longitudinal pliable member having teeth along the central portion of its upper and lower edges, and a hollow rigid spool member mounted on the central portion of the longitudinal member with the ends of the latter extending outward beyond the respective ends of the former, said spool member having openings through which the teeth of the longitudinal member project.

2,549,447
RAIL ANCHOR
John J. Gallagher, Denver, Colo., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application June 29, 1946, Serial No. 680,452
9 Claims. (Cl. 238—329)



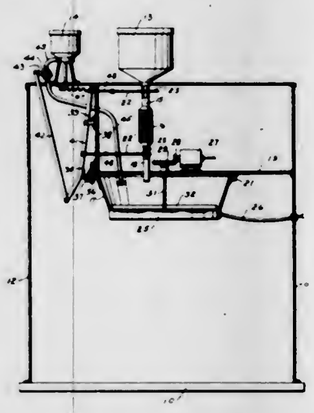
1. A rail anchor for resisting lengthwise creep of a railroad rail relative to a crosstie on which the rail is supported, comprising a jaw member for gripping one base flange of the rail, and a retaining member movably engaged with the jaw member and having an upstanding portion for locking engagement with the other base flange of the rail to hold the jaw member in its applied position; the said jaw member including spaced apart vertical arms each formed with a recess to provide surfaces for gripping the top and bottom surfaces of one base flange of the rail and one arm of said jaw member being formed with a vertical surface for engaging a vertical side face of the crosstie and with a laterally extending portion adapted to overlie the top surface of said crosstie.

2,549,448
DRAPE ROD SUPPORTING MEANS
Francis X. Ganter, Los Angeles, Calif.
Application October 16, 1947, Serial No. 780,125
12 Claims. (Cl. 160—19)



5. In a means of the class described, the combination with a building wall and a horizontal support extending outwardly from the wall, a bracket at the outer portion and underside of the support, said bracket having a hook at the lower portion of the bracket, other brackets slidably mounted at the edge of the support adjacent the wall and extending to the underside of the support, the lower ends of the latter brackets having rod supporting means, and a U-shaped rod having legs mounted on said means and having a long cross-portion removably mounted in the hook.

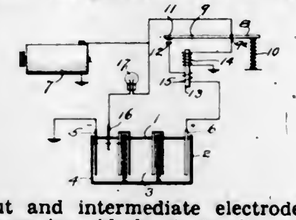
2,549,449
CORN POPPING MACHINE
Leserine C. Gibson, Columbus, Ohio, assignor, by mesne assignments, to Guy R. Martin, Columbus, Ohio
Application February 12, 1947, Serial No. 728,081
3 Claims. (Cl. 99—238.4)



1. In a pop-corn popping machine, the combination which comprises a horizontally disposed popping hopper, a heating element in the bottom of the popping hopper, a housing in which the popping hopper is positioned, a compartment having an end wall and a horizontally disposed bottom extended inwardly from one end of the housing and positioned above the said popping hopper, means hinging the hopper to the under surface of the bottom of the compartment, a corn supply container mounted on the housing, a spout having an enlarged measuring section therein extended from the supply container to the popping hopper, plates providing valves in said spout positioned above and below the said measuring section thereof, a vertically disposed lever pivotally mounted on the end of said compartment, links connecting the lever to the plates, an extension on the said popping hopper positioned to engage an end of said lever for actuating the lever to close the valve above the measuring section of the spout and open the valve below the said measuring section as the popping hopper is returned from a dumping position to the horizontally disposed position, resilient means actuating the said lever to reverse the positions of the said valves as the popping hopper is dropped downwardly to a dumping position, and a latch on the compartment for retaining the popping hopper in the horizontally disposed position.

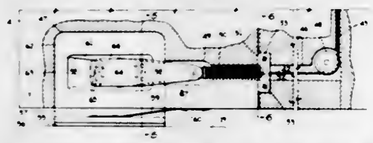
2,549,450
INDICATING DEVICE FOR AUTOMOBILES
Hayner H. Gordon, Washington, D. C., assignor to The Hayner Corporation, New York, N. Y., a corporation of New York
Application February 8, 1946, Serial No. 646,317
18 Claims. (Cl. 177—311)

1. In an electrical system for automotive vehicles the combination of an electrical generator, a storage battery, an electrical circuit between the generator and battery, said circuit including an electrical cutout an intermediate electrode extending below the normal level of the electrolyte in one battery cell, a shunt circuit between the generator side of the electri-



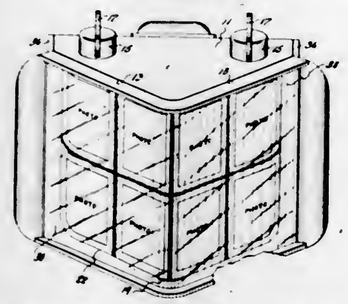
cal cutout and intermediate electrode, and a signal means in said shunt circuit.

2,549,451
REVOLVING DOOR DRIVING MEANS
Clement Elphick Gossling, Winnipeg, Manitoba, Canada, assignor to Hudson's Bay Company, London, England, a corporation of England
Application January 7, 1949, Serial No. 69,775
In Canada April 1, 1948
3 Claims. (Cl. 268—73)



1. In combination with a revolving door, a driving means consisting of a prime mover, gearing, a plate driven by said prime mover through said gearing, and manually operable clutching means, consisting of a hand bar, a cranklike member and a flexible member connected to a clutch engaging means for establishing a driving connection between said door and said plate when desired, said plate being rotated continuously and wherein the clutch engaging means consists of a movable clutch element fixedly connected to a vertical web.

2,549,452
EXHIBITOR
Martin Green, Newark, N. J., assignor of one-half to Charles Handler, Newark, N. J.
Application March 18, 1946, Serial No. 655,053
2 Claims. (Cl. 40—86)



1. An exhibitor for the purposes described comprising a frame formed by spaced apart front and back plates, said plates terminating in upper gable end portions, tie means extending between said plates, a transparent gabled hood conforming to and supported by the gable end portions of the frame plates for extension therebetween, a pair of rotatable reels journaled

in and between the lower parts of said plates in spaced apart relation and an indler roller journaled in and between peak parts of the gable end portions of said plates whereby to be disposed above and intermediate the reels, external end portions of said reels having means for rotatively actuating the same, a pocketed scroll of transparent material having its ends respectively secured to the respective reels whereby to extend in an ascending course from one reel to and over said idler roller and thence in a descending course to the other reel, said courses respectively underlying the respective inclined sides of the transparent hood, a base to which the rear end of said frame is hingedly connected, said base being adapted to support said frame at a forwardly tilted angle, and a rearwardly open housing into which said base and frame assembly is removably entered.

2,549,453

ANHYDRIDE SYNTHESIS

William F. Gresham and Richard E. Brooks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 28, 1947, Serial No. 731,706
10 Claims. (Cl. 260—546)

1. A process for the synthesis of organic carboxylic acid anhydrides which comprises introducing into a pressure-resistant reaction vessel carbon monoxide, water, and an olefinic hydrocarbon of the formula $RR_1C{=}CR_2R_3$ in which R, R_1, R_2 and R_3 each represents a member of the class consisting of hydrogen and alkyl radicals, the quantity of the said water being less than the quantity stoichiometrically required for the formation of carboxylic acid from the said olefin, said carbon monoxide and water, and heating the resulting mixture at a temperature above 110° C. under a pressure within the range of 25 to 2000 atmospheres in the presence of a member of the class consisting of nickel carbonyls and substances which form a nickel carbonyl under the reaction conditions, whereby an organic carboxylic acid anhydride of the formula $(CHRR_1CR_2R_3CO)_2O$ is formed, and after a reaction time not exceeding one hour separating the said organic carboxylic acid anhydride from the resulting reaction mixture.

2,549,454

PREPARATION OF METHYL 4-OXOBUTYRATE

William F. Gresham, Richard E. Brooks, and Walter M. Bruner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 3, 1947, Serial No. 758,984
3 Claims. (Cl. 260—483)

1. A process for preparing methyl 4-oxobutyrate which comprises heating methyl acrylate with carbon monoxide and hydrogen, the initial molal ratio of $CO : H_2$ being from about 1:1.5 to about 1:10, at a temperature within the range of 75° to 250° C. under a pressure of 325 to 1500 atmospheres in the presence of a cobalt-containing hydrogenation catalyst whereby a product containing methyl 4-oxobutyrate is produced.

2,549,455

PRODUCTION OF ESTERS FROM OLEFINIC COMPOUNDS, CARBON MONOXIDE, HYDROGEN AND ORGANIC CARBOXYLIC ACIDS

William F. Gresham and Richard E. Brooks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 28, 1948, Serial No. 4,935
13 Claims. (Cl. 260—488)

1. The method for preparing esters while suppressing the formation of oxo compounds from an olefinic reactant, carbon monoxide and hydrogen, which comprises interacting an olefinic compound simultaneously with carbon monoxide, hydrogen and an organic carboxylic acid, and continuing the said interaction in the presence of a catalytic quantity of an organic carboxylic acid salt of an element of the class consisting of cobalt and ruthenium, at a temperature of 140° to 375° under a pressure in excess of 300 atmospheres until the ester formed by the said interaction is produced as the chief reaction product, and thereafter separating the said ester from the resulting mixture.

13. The acetate esters of the formula



in which R^1, R^2, R^3, and R^4 are so chosen that the radical



is the residue of an olefinic compound of the class consisting of tetrapropylene, triisobutylene, tetraisobutylene, butadienexylene polyalkenylation products, propylene hexamer, vinyl cyclohexene, and oleic acid.

2,549,456

MANUFACTURE OF GLUTAMIC ACID

William F. Gresham and Carl E. Schweitzer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 5, 1948, Serial No. 19,184
2 Claims. (Cl. 260—534)

1. In the manufacture of monosodium glutamate the process which comprises reacting the cyanhydrin of methyl 4-oxobutyrate with ammonia at a reaction temperature not in excess of 150° C., under a pressure of at least 5 atmospheres, whereby glutamic acid monomethyl ester nitrile is produced, removing excess ammonia from the resulting mixture, subjecting the residue to hydrolysis with aqueous sodium hydroxide, the quantity of sodium hydroxide being stoichiometrically sufficient to form disodium glutamate, evaporating the resulting mixture to dryness, whereby a residue of disodium glutamate is obtained, admixing the said residue with sufficient hydrochloric acid to convert the disodium to monosodium glutamate, and drying the resulting mixture containing monosodium glutamate.

2,549,457

PREPARATION OF ALPHA-METHYLACROLEIN

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 4, 1948, Serial No. 42,548
3 Claims. (Cl. 260—601)

1. In a process for the preparation of alpha-methylacrolein, the steps which comprise gradually adding propionaldehyde to a solution of paraformaldehyde, water and boron trifluoride, containing on a mole ratio basis from 2:1 to 3.5:1 moles of water per mole of boron trifluoride, heating said solution to a temperature between 90 and 125° C., whereby the propionaldehyde is rapidly reacted with the formaldehyde present, and distilling off the alpha-methylacrolein-water azeotrope substantially as rapidly as formed.

2,549,458

WEEDLESS FISH BAIT

Clel L. Grimm, Highland Park, Mich.

Application July 8, 1947, Serial No. 759,559
1 Claim. (Cl. 43—42.13)



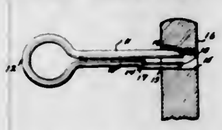
A weedless plug comprising a body, a support configured to said body and secured therebeneath, a plurality of arms having their inner end portions extending lengthwise along said support and secured substantially along the entire length of said inner end portions to the inner side of said support, the outer portions of said arms emerging at the forward end of said support and extending downwardly, outwardly and rearwardly therefrom, a flasher connected to the outer portion of each arm, and a fish hook connected to said body.

2,549,459

LINCHPIN

Seals E. Guest, Marietta, Ga.

Application June 20, 1949, Serial No. 100,201
1 Claim. (Cl. 85—8.5)



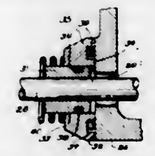
A linchpin of the push-in type made of half-round metal bar throughout, bent upon itself and forming a pair of rigid legs of substantially the same length and resiliently connected by a large eye; said legs normally extending in diverging relation from said eye with their flat surfaces presented toward each other; one of said legs consisting of two straight parallel portions and an outwardly offset connecting portion, with the offset portion providing a cam shoulder on the outer surface of the leg facing said eye; the other of said legs being straight throughout, the divergency of said legs and the resiliency of said eye being such as to permit an operator to press the legs into substantial parallelism without the use of tools and the amount of the offset of said offset portion being such that, when the legs are brought into substantial parallelism, the widest dimension across the combined legs is slightly less than the diameter of the bore through which the legs are adapted to be inserted, the tips of said legs being bevelled to facilitate their insertion into a bore, and the construction being such that the legs will not be deformed during their insertion.

2,549,460

LUBRICANT AND DUST SEAL

William E. Gustin, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application October 7, 1948, Serial No. 53,318
3 Claims. (Cl. 286—1)



3. In combination: a first part having an opening therein and an outer radial face surrounding the opening; a second part extending axially through the opening and of reduced diameter as respects the opening so as to be capable of shifting radially within the opening; a sleeve member surrounding the second part and having a cylindrical portion coaxial with and of larger outside diameter than the opening and terminating outwardly of the opening in axially outwardly spaced relation to the radial face; a collar surrounding the sleeve outwardly of said radial face and axially slidable on the cylindrical portion of the sleeve, said collar having an annular inner portion bridging the space between said cylindrical portion and the radial face, and further having a radial face complementary to the aforesaid radial face; an annular seal spaced axially outwardly from the first mentioned radial face and concentric with the cylindrical portion and effective between said cylindrical portion and the annular inner portion of the collar; a second annular seal in the form of a ring effective between said radial faces, said ring having an inside diameter greater than the outside diameter of the cylindrical sleeve portion; and yieldable means acting on the collar to urge the radial face axially toward the first mentioned radial face.

2,549,461

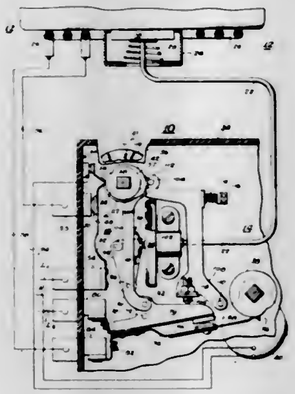
CONTROL MECHANISM

Clayton L. Haller, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 5, 1948, Serial No. 18,892
9 Claims. (Cl. 200—136.3)

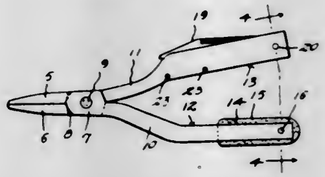
1. An adjustable temperature-responsive control comprising a control knob adapted to be set to a preselected temperature control setting, means comprising a lever for varying an energy

supply, said means operating to provide successively lower rates of energy supply upon movement of said lever in one direction and to provide successively higher rates of energy supply upon movement of said lever in the opposite direction, a thermostat operable to actuate said



lever in response to change in temperature, a stop member adapted to act on said lever to limit its travel in energy reducing direction to provide a desired minimum rate of energy supply, and mechanism operable by said knob for positioning said stop.

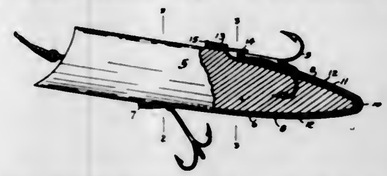
2,549,462
FISHERMAN'S PLIERS
William J. Haman, Trona, Calif.
Application October 25, 1946, Serial No. 705,648
1 Claim. (Cl. 51—205)



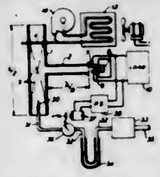
A device of the character described including a handle, said handle being bifurcated inwardly from its free end, a cleaning and rubbing body having opposite side portions chamfered to receive the furcations of the bifurcated end of the handle, a rivet interconnecting the bifurcated end of the handle and the body, said body at its outer end and side portions projecting outwardly from the adjacent end and side portions of the bifurcated handle.

2,549,463
FISH LURE
Oswald A. Hansen and Leland E. Cook, Gig Harbor, Wash.
Application April 1, 1947, Serial No. 738,578
1 Claim. (Cl. 43—42.04)

A fish lure adapted to be permanently secured to a fish line and having a continuous groove in its back, belly and around the tail, a hook, means on the back of the lure for releasably securing the hook to said back adjacent said groove; and a supplemental line secured to said hook and lying in said continuous groove and means securing the supplemental line to the belly of said lure.



2,549,464
ELECTRIC POWER SOURCE
Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,703
1 Claim. (Cl. 290—1)

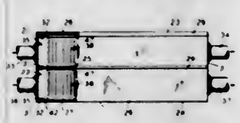


A source of oscillatory energy comprising a tubular resonator, an elastic fluid within said resonator and capable of supporting standing compression waves of wavelength and frequency determined by the dimensions of said resonator, means for periodically applying heat at a selected point of said resonator to said fluid, whereby standing compression waves are developed in said fluid, means, including a mechanical-electrical transducer coupled to said fluid, for withdrawing a portion of the oscillatory energy of said compression waves, and means for feeding back a portion of the output of said transducer to control the timing of said periodic application of heat.

2,549,465
PROCESS FOR BIOCHEMICAL PRODUCTION OF ENZYMES
Johannes C. Hoogerheide, Whitefish Bay Village, Wis., and Eugene G. Laughery, Omaha, Nebr., assignors to Pabst Brewing Company, Milwaukee, Wis., a corporation of Delaware
No Drawing. Application February 11, 1948, Serial No. 7,714
4 Claims. (Cl. 195—96)

1. The process of preparing enzyme substances of the group consisting of proteolytic enzyme and amylolytic enzyme which consists of preparing a nutrient medium containing a predominant proportion of assimilable nitrogen, then inoculating said medium with a micro-organism selected from the group consisting of *Bacillus subtilis* and *Bacillus mesentericus* to form a culture; holding said culture as a body of substantial depth, then while maintaining the temperature at about 25° C. to 40° C. introducing air into said culture at a volume rate of flow exceeding the rate of biological growth demand for air of the micro-organisms contained in said culture and distributing said air in said culture in finely divided form while continuously vigorously mechanically agitating said culture to an extent in excess of that resulting from said introduction of air, and then separating an enzyme containing liquor from the micro-organisms and debris resulting from said growth.

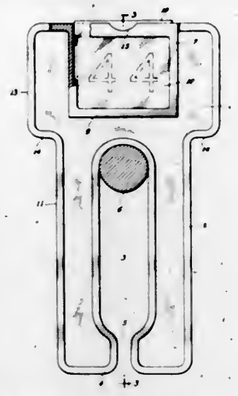
2,549,466
METHOD FOR MAKING HEAT EXCHANGERS
Otto Hoheisel, Milltown, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 23, 1947, Serial No. 743,314
2 Claims. (Cl. 29—157.3)



2. In the manufacture of a heat exchanger having fluid passages confined between parallel walls of adjacent fluid chambers, the common walls between adjacent fluid passages forming primary heat exchange surfaces, and having extended surface elements within said fluid passages in thermal connection with said primary heat exchange surfaces for the rapid transfer of heat from the fluid within said passages to said primary heat exchange surfaces, the improvement which comprises the steps of forming a plurality of elongated fins having continuous longitudinal side portions and a discontinuous intermediate portion composed of a series of parallel pin members alternately offset from the normal plane of said fin at points closely adjacent said continuous portions to form parallel rows of pin members, said longitudinal side portions being turned inwardly from said normal plane to form narrow foot portions along the edges of said strip having their inner face portions spaced a distance equal to the length of said offset pin members whereby the foot portions of one fin may embrace in interlocking engagement the outwardly offset row of pin members of an adjacent fin, said foot portions being of a length substantially equal to twice the spacing between the rows of pin members of a fin, assembling said fins in nested side-by-side relationship within said fluid passages with said foot portions in contact with said primary heat exchange surfaces, and providing a good thermal bond between said foot portions and said primary heat exchange surfaces.

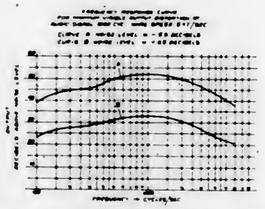
2,549,467
EXHIBITOR MEMBER
Philip Hopp and Leo Hopp, New York, N. Y., assignors to Harriet H. Gold, New York, N. Y., and Helen H. Caplan, Flushing, N. Y.
Application June 8, 1948, Serial No. 31,626
1 Claim. (Cl. 40—16)

A member having a relatively wide portion adjacent one end, an integral frame in said portion, one edge of the frame coinciding with said end, the frame having a slot in said end to admit a tag into the frame, the latter having channels along its inner edges opening through said slot to engage the tag, the remainder of said member comprising legs with a space between them, the legs having opposed projections restricting the spaces between the extremities of the legs, the latter being flexible and resilient to be movable flatwise out of the plane of the member to widen the space between the extremities of the legs, and a reinforcing bead beginning at one side of said frame and extending along the periphery of said member including said legs to the opposite side of said frame, said member having corners adjacent the junction of said



legs and said wide portion, said corners having a distance of material extent between them and said frame, and a web filling the space between by said bead and said frame.

2,549,468
MAGNETIC SOUND RECORDING MEDIUM
Goodwin H. Howe, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application September 13, 1946, Serial No. 696,947. Divided and this application November 20, 1947, Serial No. 787,251
8 Claims. (Cl. 148—12)

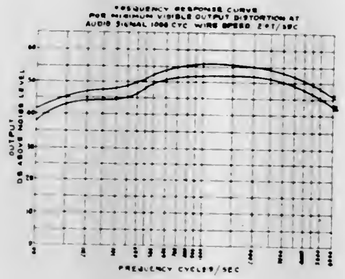


1. The method of preparing a stainless steel magnetic recording wire having good magnetic sound recording properties, which method comprises mechanically working a softened austenitic stainless steel wire containing 17–20 percent chromium, 7–10 percent nickel, and 0.03 to 0.25 percent carbon by a cold drawing process to reduce its cross-sectional area by at least about 94 percent to a diameter of about 4 mils thereby to produce an elongated crystalline structure in said steel and aging the work wire at a temperature between 500° C. and 700° C. for a period sufficient to bring the wire to temperature and cause a precipitation of carbides present in said steel.

2,549,469
MAGNETIC SOUND RECORDING MEDIUM
Goodwin H. Howe, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 16, 1947, Serial No. 792,048
3 Claims. (Cl. 148—12.7)

1. The method of producing a sound recording and reproducing wire which comprises cold work-

ing a recrystallized wire containing 60% copper, 20% nickel and 20% iron to obtain about 90% to 96% reduction in cross sectional area to a dimension of about .050 inch, aging the cold



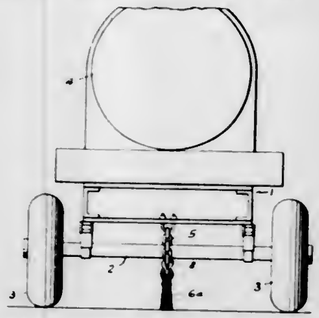
worked wire at 600° C. for about one hour, cold working the aged wire to a diameter of .008 inch to .020 inch, overaging the resultant wire at 700° C. for about one hour, and further cold working the overaged wire to about an .004 inch diameter.

2,549,470
SYNTHESIS OF ALCOHOLS
Benjamin W. Howk, Wilmington, and Glenn F. Hager, New Castle, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 12, 1949, Serial No. 87,114
10 Claims. (Cl. 260—449)

1. A process for preparing alcohols which comprises introducing into a reaction vessel a mixture of carbon monoxide, hydrogen, and a hydroxylated solvent of the class consisting of water and primary hydroxyalkanes, heating the said mixture in the presence of a ruthenium-containing catalyst of the class consisting of ruthenium metal, ruthenium oxides and ruthenium carbonyls, at a temperature within the range of 100° to 250° C. under a pressure within the range of 200 to 1000 atmospheres, the mol ratio of hydrogen to carbon monoxide being initially from 1.5:1 to 10:1, whereby a reaction occurs resulting in the formation from the said mixture of carbon monoxide, hydrogen and hydroxylated solvent of a mixture of straight chain primary hydroxyalkanes in which the number of carbon atoms per molecule is within the range of from 3 to 50 as substantially the only reaction products, and thereafter separating from the resulting mixture, hydroxyalkanes in which the number of carbon atoms per molecule is within the range of from 3 to 50.

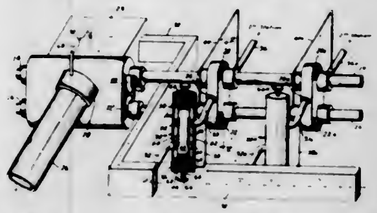
2,549,471
GROUNDING CONTACT
Frank E. Hutchison, Houston, Tex.
Application October 8, 1948, Serial No. 53,563
2 Claims. (Cl. 175—264)

1. The combination with a motor vehicle having a metallic framework and mounted to move on rubber tired wheels which insulate the framework from the ground surface, of a flexible connector connected at one end to the framework, a flexible contact device including an eye attached to the free end of the connector and a brush formed of strands looped about the eye and of a length to contact the ground surface, said contact device being adjustable along the connector to take up for wear, said connector



and contact device being formed of material which will conduct electricity.

2,549,472
FLOW DIVIDER APPARATUS FOR HYDRAULIC SYSTEMS AND THE LIKE
Jack Isreeli and George T. Allen, New York, N. Y., assignors to Simmonds Aerocessories, Inc., Tarrytown, N. Y., a corporation of New York
Application May 18, 1948, Serial No. 27,706
17 Claims. (Cl. 137—166)

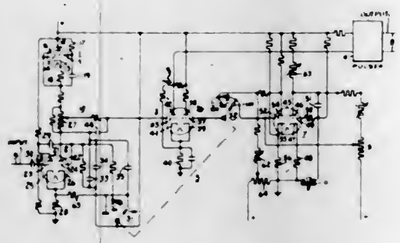


12. A flow divider for dividing a stream of liquid into a plurality of streams having a predetermined volume relationship, comprising a pair of intermeshing motor gears mounted for rotation in a housing, a plurality of pairs of intermeshing metering gears, a housing for separately enclosing each pair of the metering gears, a driving connection between the pair of motor gears and each pair of metering gears for driving the latter, means for delivering a stream of liquid to be divided to the pair of motor gears to effect their rotation and the rotation of the metering gears, means for conducting the liquid passed through the motor gears and for distributing it to the pairs of metering gears, and a conduit leading from each pair of the metering gears for delivering a divided portion of the liquid.

2,549,473
RADAR EQUIPMENT CALIBRATING SYSTEM
Don M. Jacob, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1945, Serial No. 575,309
18 Claims. (Cl. 343—5)

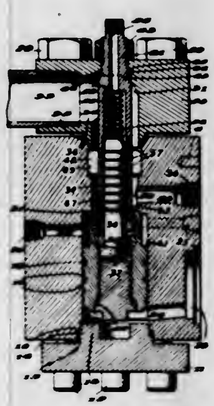
11. In a calibrating or testing device for pulse echo systems, a first generator for producing a first voltage of increasing amplitude, means for rendering operative said generator in response to a pulse from said system, means for generating artificial echo pulses to be impressed on said system, adjustable means utilizing the voltage from

said first generator for triggering said echo pulse generating means at an adjustable predetermined time after said pulses from said system whereby said echo pulses are delayed to correspond to a predetermined target range in accord with the adjusted delay, a second generator arranged to



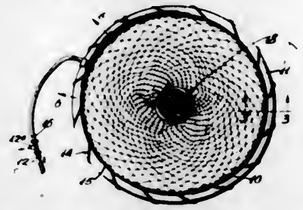
produce a second voltage of varying amplitude, the period of variation of said second voltage from said second generator being appreciably longer than that of said first voltage, and means utilizing said second voltage for modifying the starting time as adjusted of said triggering means.

2,549,474
VALVE MECHANISM FOR HYDRAULIC POWER PRESSES
Bertrand Japikse, Reiffton, Pa.
Application January 25, 1943, Serial No. 473,521
7 Claims. (Cl. 137—153)



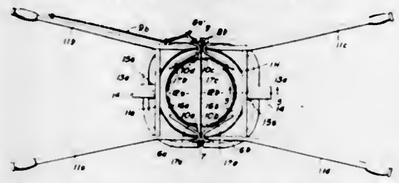
1. In a valve mechanism, a body having a cross-port extending therethrough, a chamber perpendicularly disposed to and communicating with said cross-port, a canal in alignment with said chamber and communicating with said cross-port for the admission of fluid thereto, a check valve in said chamber arranged to arrest the flow of fluid passing from said canal to said cross-port upon the introduction of fluid pressure to said chamber against one end of said check valve, and unbalancing means for reducing the exposed area of the other end of said check valve, said unbalancing means comprising a sleeve fixed with respect to said body and projecting into a recess in said other end of said check valve, and a piston carried by said check valve and received in said sleeve.

2,549,475
INFLATABLE TUBE FOR RAISING FISH NETS
Joaquim S. Jardim, Newark, N. J.
Application February 8, 1945, Serial No. 576,786
3 Claims. (Cl. 43—7)



1. In an article of the class described, an inflatable circular tube, a continuous flexible cord-like member having longitudinally extending air grooves located within said inflatable tube for preventing complete collapsing of said inflatable tube and for providing a stiffening structure when said inflatable tube is partially collapsed, spaced rings transversely mounted within said inflatable tube and loop portions formed on said rings through which said flexible cord-like member passes for supporting the same.

2,549,476
TRANSPLANTING DIGGER
William B. Johnson, Easley, S. C.
Application October 5, 1949, Serial No. 119,702
7 Claims. (Cl. 294—50.8)

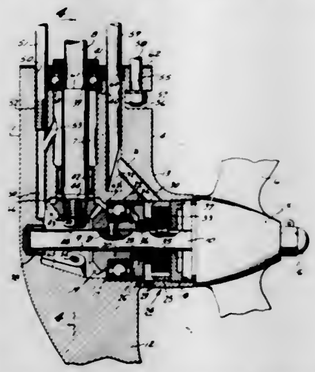


1. A transplanter comprising a main frame formed in two U-shaped parts arranged to form a closed frame, means pivotally securing two abutting ends of said parts together whereby said frame may be opened and closed, fastening means to hold said frame in said closed position, a generally hemispherical scoop formed in two half parts, each of said scoop parts being pivotally mounted at their corners in one of said frame parts, and a pair of handles pivotally mounted on said main frame parts and attached to said scoop halves.

2,549,477
GEAR CASE UNIT FOR OUTBOARD MOTORS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application May 12, 1947, Serial No. 747,443
7 Claims. (Cl. 115—17)

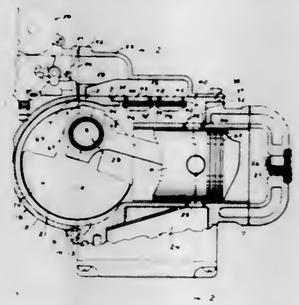
7. An outboard motor underwater assembly, comprising a single-piece housing member having a gear chamber therein including a substantially cylindrical bore open at its outer end and having an outwardly facing shoulder therein at its inner end, a shaft disposed centrally of said bore with a beveled gear thereon in said chamber, said shaft projecting axially from said bore, a bearing disposed against said outwardly facing shoulder in said bore and supporting said shaft for rotation and against axial displacement, a cylindrical closure member disposed within said bore outwardly of said bearing and

sealed against said shaft, an expansible ring seal confined between said bearing and member and compressed axially thereby to radially expand the same into sealing engagement with the walls of said bore, the compression of said ring seal being limited by positive engagement between said member and bearing, and means to force said



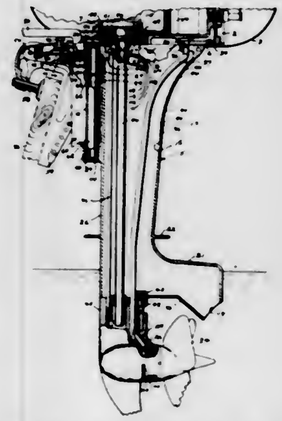
member against said bearing and secure the assembly within said housing with said ring seal radially expanded and preventing leakage of water into said housing chamber, said bore being smooth in the region of said ring seal to provide for adjustment of the location of said bearing and seal by shimming between said bearing and shoulder to adjust said gear.

2,549,478
INTERNAL-COMBUSTION ENGINE
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 772,342
12 Claims. (Cl. 123—73)



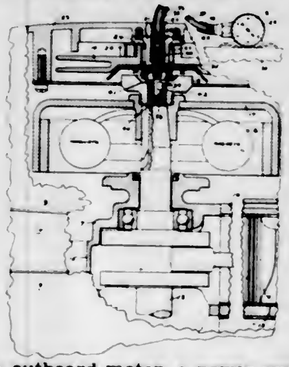
3. An internal combustion engine comprising an engine block having cylinders formed therein, a crankcase, a crankshaft therein, pistons within the cylinders actuated by the crankshaft, a cavity formed in the engine block exteriorly of the cylinders and adjacent thereto, ports in the walls of the cylinders establishing communication between the cavity and the combustion ends of the cylinders, a passage establishing communication between the interior of the crankcase and the cavity, an intake manifold, a valve plate interposed between the intake manifold and the cavity and closing off the cavity from the intake manifold, ports in the valve plate establishing communication between the intake manifold and the cavity, reed valves secured to the valve plate and normally closing off the ports in said plate, said reed valves being deflected to admit a fuel mixture into the cavity when a vacuum condition is set up in the crankcase on the up-stroke of the piston.

2,549,479
DRIVE SHAFT HOUSING FOR OUTBOARD MOTORS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 772,344
7 Claims. (Cl. 115—17)



1. An outboard motor comprised of a power unit, a drive shaft housing disposed beneath said power unit, a boat engaging member, pivotal means vertically disposed forwardly of said drive shaft housing connecting said drive shaft housing to said boat engaging member, an internal passage in said pivotal means from the upper end thereof opening downwardly, said power unit including a water cooling system discharging into the upper open end of said pivotal means whereby said passage having communication with the water cooling system of the power unit provides for discharge of the water forwardly of said drive shaft housing.

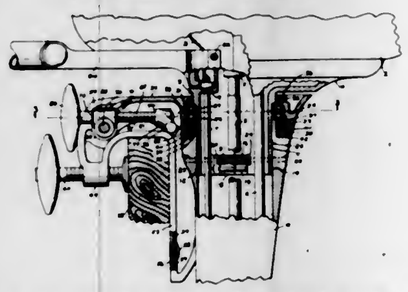
2,549,480
TACHOMETER ARRANGEMENT FOR OUTBOARD MOTORS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 772,345
3 Claims. (Cl. 74—12)



2. In an outboard motor, a power unit having a crankshaft, a starter device for said power unit

including a pulley rotatably engageable with said crankshaft, a starter cover plate having a hollow hub rotatably carrying said pulley in axial alignment with said crankshaft and spaced therefrom, a speed indicating instrument including a flexible shaft extending through said starter cover plate hub and drivingly connected to said crankshaft, and a flexible housing for said flexible shaft secured and carried within said hollow hub and journally supporting said flexible shaft therein.

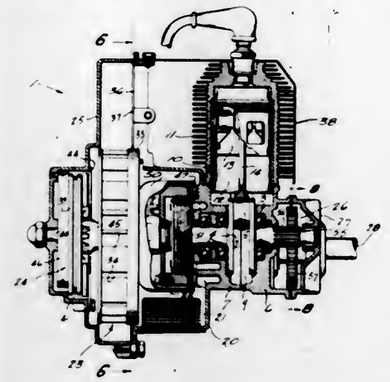
2,549,481
REVERSIBLE OUTBOARD MOTOR
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 772,346
11 Claims. (Cl. 115—18)



1. In an outboard motor, an engine block with a downwardly depending sleeve portion, an annular shoulder formed in the exterior surface of said sleeve portion, a drive shaft housing with an internal bore at its upper end, said sleeve portion extending into the bore of the drive shaft housing, an anti-friction bearing having its inner race clamped between the annular shoulder on the sleeve portion and the upper end of the drive shaft housing, a bracket having a bore therein and encircling the sleeve portion and the upper end of the drive shaft housing, an annular shoulder within said bore, the outer race of the anti-friction bearing abutting said shoulder, a ring nut threaded into the bore of the bracket to clamp the outer race of the bearing against the annular shoulder in said bore, the engine block and drive shaft housing being rotatable relative to the bracket and being supported by said bracket through the medium of the anti-friction bearing.

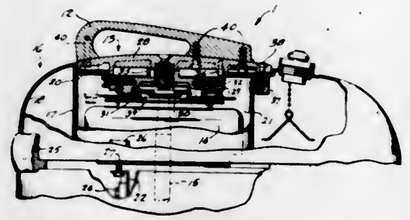
2,549,482
INTERNAL-COMBUSTION ENGINE
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application January 13, 1949, Serial No. 70,733
16 Claims. (Cl. 123—73)

3. An internal combustion engine comprising a crankshaft, an air-cooled cylinder, a piston movable within said cylinder and connected to said crankshaft between the ends thereof, a starter unit disposed adjacent one end of said crankshaft to engage the same for starting said engine, an air impeller carried by said end of said crankshaft and disposed to receive air on the side opposite said starter unit and discharge air centrifugally, a magneto operably mounted upon said crankshaft adjacent said impeller, an induction control valve operating in timed relation with said crankshaft, a fuel charge forming device disposed to communicate with said valve, an air filter intake device communicating with said charge forming device, separable complementary members carrying said crankshaft, said cylinder, and said control valve, a scroll member supported by one of said crankcase members and carrying said starter unit and disposed to enclose said impeller and receive therefrom and direct the air to the exterior of said cylinder, a removable closure member providing a trans-



mission housing with and secured to the other of said crankcase members disposed to carry said air intake and charge forming devices, and a transmission gear mechanism within said transmission housing connecting said crankshaft and charge forming device to operate the latter.

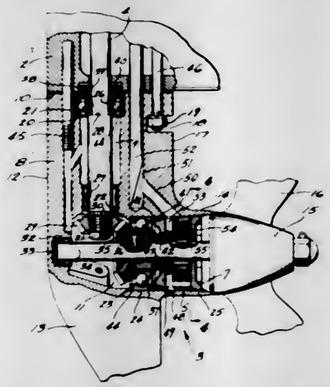
2,549,483
TILT HANDLE ABOVE THE CENTER OF GRAVITY ON OUTBOARD MOTOR HOUSINGS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application April 8, 1949, Serial No. 86,144
5 Claims. (Cl. 115—17)



1. In an outboard motor having a substantially vertical drive shaft with an engine at its upper end mounted with its crankshaft in line with and coupled to the drive shaft and an underwater propeller unit at its lower end, a support bracket adapted to secure the same to the transom of a boat in operative position with the drive shaft substantially vertical, a tilt bracket adapted to provide for tilting of the motor on a horizontal transverse pivotal axis ahead of said drive shaft to an inoperative position with the propeller out of water, a flywheel at the upper end of the engine crankshaft with a starter unit above the flywheel and engageable with said crankshaft for starting the engine, and a housing secured on the engine and enclosing the flywheel and carrying the starter unit; the housing construction comprising a sheet metal cowl extending over the top of the engine and having an opening in its top above the flywheel, a rigid cover plate extending across and closing said opening, said cover plate carry-

ing the starter unit on its underside centered with respect to said flywheel and engine crankshaft, a handle incorporated in the structure of said cover plate and disposed to facilitate the manual tilting of the motor upon the pivotal axis of said tilt bracket, said handle being adapted for manual lifting of the motor and being disposed near to the vertical axis of said drive shaft and engine crankshaft whereby suspension of the motor solely from said handle effects a substantially vertical positioning for the drive shaft to facilitate installation of the motor upon the transom of the boat, and marginally distributed means removably securing said rigid cover plate to said cowl and disposed to effect reinforcement of said cowl by said plate against concentrated stresses tending to distort the same from operative use of said handle.

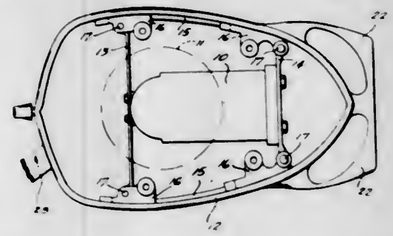
2,549,484
UNDERWATER GEAR UNIT FOR OUTBOARD MOTORS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application May 19, 1949, Serial No. 94,108
12 Claims. (Cl. 115—17)



5. An outboard motor underwater propeller unit, comprising a housing member having a streamlined outer body and a chamber therein including a cylindrical bore opening longitudinally of said housing, said housing having adjacent to said chamber an annular shoulder formed by said bore and facing the open end thereof, a bearing disposed within the bore and against the shoulder of said housing, a shaft extending through the bore and into the chamber of said housing and journally carried by said bearing, said bearing also constituting an axial thrust bearing securing said shaft axially within said bore, a cylindrical pump body mounted within the bore of said housing and closing the same and said chamber and securing said bearing axially against the shoulder of said housing independently of said shaft, and a flexible vane pump impeller mounted on said shaft to operate within said pump body.

2,549,485
OUTBOARD MOTOR PROTECTING RIM
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application January 6, 1950, Serial No. 137,235
1 Claim. (Cl. 123—195)

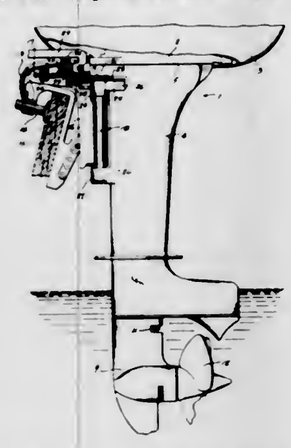
In an outboard motor having an engine at its upper end and a drive shaft and gear housing extending downwardly from the engine and carrying a propeller normally positioned under water, said outboard motor being manually portable and adapted to be lifted out of the water and laid upon a dock or the like, a sheet metal cowl covering and encircling the engine to provide a streamlined appearance therefor and enclose the mechanism thereof, a hoop encircling said cowl and engine at the girth, bracket means on said engine disposed to rigidly support said hoop in respect to said engine whereby the engine is supported by the hoop when the outboard motor is laid upon either side or upon its stern, said bracket means constituting at least in part a rigid rear cross member to the outer ends of which said hoop is secured, and a pair of rearward extensions in-



tegral with said hoop on opposite sides thereof adjacent the points of securement of said hoop to the ends of said rear cross member, said rearward extensions being joined across the rear of said hoop to provide with said hoop and cross member a truss reinforcement strengthening the rear part of the hoop, and said joined rearward extensions additionally providing at least one closed-loop handle for manual lifting and manipulation of the outboard motor with the major stress loads for the handle being transmitted directly to said cross member and engine without distortion of said hoop, and providing a transverse seat upon which the motor rests when laid stern down upon a dock.

2,549,486
STEERING MOUNTING FOR OUTBOARD MOTORS
Elmer C. Kiekhaefer, Cedarburg, Wis.
Continuation of application Serial No. 772,344, September 5, 1947. This application May 13, 1950, Serial No. 161,823
10 Claims. (Cl. 115—18)

1. An outboard motor comprising a power unit, a drive shaft housing disposed beneath said power unit, a boat engaging bracket assembly, pivotal means connecting the drive shaft housing to the bracket assembly, said drive shaft housing being swingable about the axis of said pivotal means for steering purposes, a friction plate disposed to turn with said drive shaft housing and extending substantially normal to the axis of said pivotal means, contact members carried by said bracket assembly and disposed in opposing relation to each other, one of said members being movable with respect to said bracket in a direction parallel to the axis of said pivotal means and disposed normally in face-to-face relation and frictional contact with one face of said plate, the other of said contact members having frictional contact with the opposite face of said plate, deflectable means connected to said bracket and carrying said first contact member for frictional pressure engagement with said plate, and adjustable resilient means disposed to apply pressure to said deflectable means and movable with respect thereto to vary the amount

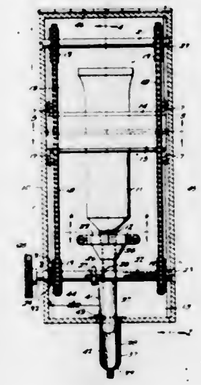


of frictional resistance between the contact members and the plate.

2,549,487
LAMP GUARD AND HANDLE
Francis C. Kollath, Chicago, Ill.
Application July 23, 1945, Serial No. 606,516
2 Claims. (Cl. 240—54)

1. A lamp guard and handle comprising a handle member having a head formed to receive an electric lamp base, and a guard for a lamp in said base comprising a mounting collar and a plurality of spaced guard members secured on said collar, said head having an annular seat in position to receive and support said collar demountably on the seat, and latching means on said guard for attaching the guard to the head comprising means forming a latching shoulder on said head and a one-piece spring clip secured to one of said guard members against lateral movement with respect thereto, said clip having a latching portion adapted to snap over said latching shoulder and interlockingly engage the same as said collar is applied to said seat, said clip being maintained at all times in a fixed position to permit the clip to snap into engagement with said latching shoulder when said guard and handle are pressed together.

2,549,488
TOOTH PASTE AND SHAVE CREAM DISPENSER WITH INTERCONNECTED CONTROL CAP
Charles W. Kramer, Los Angeles, Calif.
Application October 20, 1947, Serial No. 780,950
2 Claims. (Cl. 222—96)



1. A paste tube dispenser comprising a casing part, a roller device adapted to engage the tube to flatten the same and cause paste to be extruded from the tube, a spout connected to the casing and adapted to receive the opening end of the tube, said spout having a soft open ended conduit depending therefrom and through which the paste is conducted and a control device having flattened ends thereon operable upon the open end of the soft conduit to control the outflow of paste and to shut off the same whereby to prevent the paste from being exposed to the air or drying when not being dispensed, a shaft having a knob connected with the shaft to turn the same, said knob being axially adjustable with respect to the shaft, means responsive to the axial movement of the knob for operating the control device for the soft conduit tube while the knob is being turned to operate the roller device.

2,549,489
WHEEL LIFTING DOLLY
Frederick W. Krause, Carmichaels, Pa.
Application September 30, 1947, Serial No. 777,021
5 Claims. (Cl. 214—1)



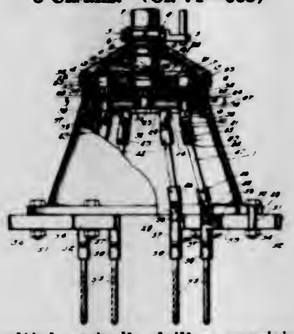
1. A wheel lift comprising front and rear trucks, one of said trucks having a fixed abutment for one edge of a wheel and the other of said trucks having a pressure operated abutment for an opposite edge of a wheel to rock the wheel in a lifting action against said fixed abutment, and means connecting said trucks to each other, said means comprising a pair of bars connected at their ends to opposite sides of the trucks and positioned closely at opposite sides of the wheel, said bars being removable from the trucks and swingable catches locking the bars to the trucks.

2,549,490

MULTIPLE SPINDLE DRILL GEARING

George H. Kuhl, Glen Ellyn, Ill., assignor to Jay B. Chamberlain and Louise R. Chamberlain, a partnership, doing business as Commander Mfg. Co., Chicago, Ill.

Application November 2, 1945, Serial No. 626,272
8 Claims. (Cl. 74—665)



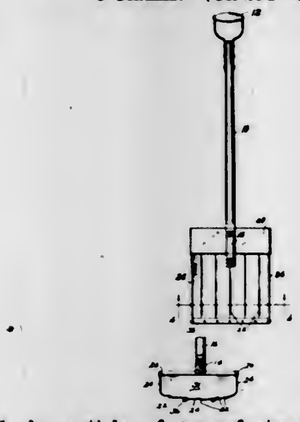
1. A multiple spindle drill, comprising, a one-piece gear casing having spaced apart top and bottom plates each formed with a central opening in axial alignment with the central opening in the other, each of said plates also having a plurality of circularly arranged holes spaced radially outwardly from the central opening, each of the circularly arranged holes in each plate being in axial alignment with a corresponding hole in the other plate, whereby shafts may be mounted in said central opening and said circularly arranged holes to mount rotatable gears in the space between said plates, a lower housing having an inwardly extending annular seat provided around its outer edge with an upwardly extending wall enclosing said gear casing, an upper housing having an inwardly extending annular seat provided around the outer edge with a downwardly extending wall, and means for removably securing said walls together and clamping the gear casing between said seats.

2,549,491

SHOVEL

Henning R. Larson, Holden, Mass.

Application October 5, 1946, Serial No. 701,544
6 Claims. (Cl. 294—55)



1. An article of manufacture comprising a shovel blade formed on an arc, a handle therefor secured thereto, said arc presenting a curved shoveling edge, and said blade being flexible to cause said edge to conform to a surface to be shovelled upon the exertion of downward pressure thereon.

2,549,492

PRODUCTION OF MELAMINE

Donald D. Lee, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 28, 1944, Serial No. 570,215
11 Claims. (Cl. 260—249.7)

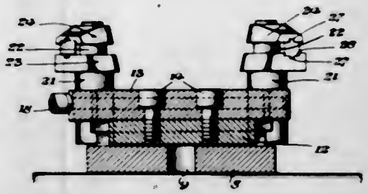
1. A process for removing melamine from a reaction vessel which comprises quenching a melamine-containing urea pyrolyzate having a temperature of 275° to 550° C. by direct contact with from 2 to 50 parts of water per part of melamine at a temperature above 140° C. under super-atmospheric pressure whereby an aqueous solution of melamine is produced, withdrawing the said aqueous solution from the said reaction vessel, and cooling the said aqueous solution whereby crystallization of melamine occurs.

2,549,493

TOOLHOLDER FOR LATHES

Erich O. Lehmann, Verona, N. J.

Application January 23, 1947, Serial No. 723,860
3 Claims. (Cl. 82—36)



1. A tool-holder for lathes comprising a base member, a member mounted for sliding movement in said base member, a tool-supporting block removably secured to said slidable member, a pair of split tubular members integral with said block, a pair of tool posts mounted in said tubular members for vertical and angular adjustment relative to the block, and means for clamping said split tubular members around said tool posts thereby to maintain the posts at any adjusted position.

2,549,494

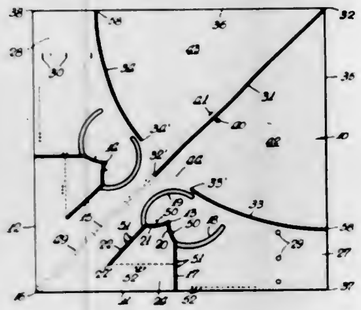
LADY'S GARMENT

Anna Licht, New York, N. Y.

Application August 27, 1947, Serial No. 770,880
11 Claims. (Cl. 2—106)

11. A lady's garment of the bust fitting type, comprising a square blank, the material near one corner of a diagonal thereof forming a peplum, that near the respective corners at the ends of the other diagonal defining the rear portion of the garment, the blank being slit inwardly at right angles from those edges that flank the peplum to points symmetrical of the first named diagonal and being further slit outward from said points along oblique lines generally parallel to said first named diagonal to form V-notches with said first slits, all of said slits being substantially equal in length, the sides of said V-notches being stitched together to form breast cups, said blank

having two rectangular panels each defined by one of said peplum flanking edges and a line parallel thereto from said right angle slit to the outer end of said oblique slit and between said right angle slit to a line perpendicular to the associated peplum flanking edge extending to the outer end of said oblique slit, each of said panels being stitched at its upper edge along that portion of the associated peplum flanking edge of the garment which is beyond the stitched portion of the



breast cup, each of said breast cups having an arcuate sheath along the periphery thereof for accommodating a removable arcuate brace, said blank being slit diagonally from the corner thereof symmetrical of and most remote from said breast cups to the vicinity of the latter and being further slit from those sides thereof that flank the outer end of said diagonal slit and from near the corners of the other diagonal inward to the vicinity of said diagonal slit.

2,549,495

ASTROLOGICAL GAME APPARATUS

Agnes M. Lightfoot and Vera M. Kelly, Beaumont, Tex.

Application July 8, 1948, Serial No. 37,626
3 Claims. (Cl. 273—134)



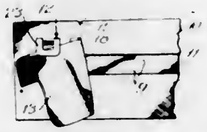
3. Astrological game apparatus comprising, a game board having depicted thereon a zodiacal belt embodying a plurality of planet house areas, symbols indicative of the planets displayed within the confines of the planet house areas, planet playing pieces for movement over the zodiacal belt, the symbols of some of the planet house areas of said belt being duplicated on the respective planet playing pieces; sextile, trine, square and opposition aspect cards each having on one face thereof a symbol indicative of one of the aforementioned zodiacal aspect signs, together with indicia indicating the aspect value of the zodiacal aspect symbol displayed thereon and also the aspect value of certain of the planet symbols, and other indicia determining the extent of movement of the planet playing pieces relative to the planet house areas.

2,549,496

TROUSER FLY CONSTRUCTION

Louis Markin, Chicago, Ill., assignor to Hook-Flex Corporation, Chicago, Ill., a corporation of Illinois

Application October 19, 1949, Serial No. 122,259
9 Claims. (Cl. 2—234)



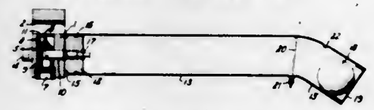
1. The improved process of forming a trouser fly which comprises cutting a piece of trouser fabric to the desired shape for the inner section of an outer trouser fly, superimposing thereon a pair of interlocked fastener tapes, stitching one of said tapes to said piece of fabric and then removing the unstitched fastener tape, and then successively superimposing on and stitching to said piece of fabric a hook and a hook-protecting block of fabric between the end of said fastener tape and the adjacent end of said piece of fabric and subsequently folding over said block of fabric under said hook.

2,549,497

PROTECTIVE DEVICE FOR ELECTRICAL POWER TRANSMISSION SYSTEMS

George A. Matthews, Detroit, Mich.

Application July 16, 1948, Serial No. 39,153
16 Claims. (Cl. 200—79)



1. A wire-dropping device to be mounted on a tensioned conductor in predetermined normal position with respect to the axis of the conductor; said device comprising a cutter head having a conductor-receiving groove, removable gate means for closing the entrance to said groove, a supporting body for said cutting head, said cutter head having a bore with an axis intersecting said conductor-receiving groove, a cutting piston in said bore and having a knife at one end thereof, explosive means for driving said knife across said groove, and firing means operative to fire said explosive means upon movement of said device out of normal position by the parting of a conductor upon which the device may be mounted, thereby to drive said knife through a conductor on which the device may be mounted.

2,549,498

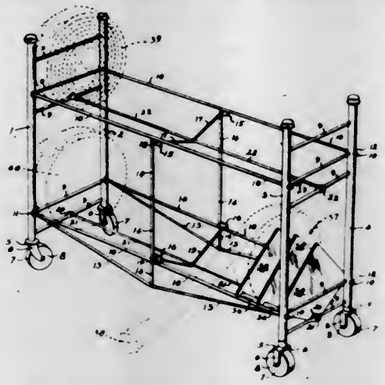
PORTABLE RACK

George R. McAlpine and John C. Bowlware, Oklahoma City, Okla.

Application January 15, 1948, Serial No. 2,496
4 Claims. (Cl. 248—89)

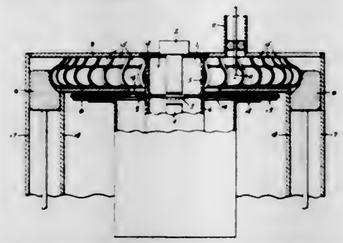
1. A hose rack including: a wheeled frame; compartments removably supported by the frame

for retaining on edge a roll of helically wound



hose; and anti-friction means within each compartment for rotatably supporting said roll.

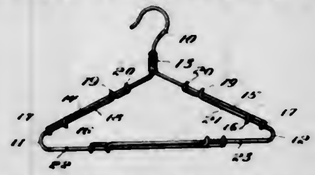
2,549,499
TUNABLE CAVITY RESONATOR
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 19, 1949, Serial No. 77,366
2 Claims. (Cl. 178—44)



1. A radial cavity resonator comprising a pair of parallel electrically conductive planar members aligned to form opposing sides of said resonator, a plurality of circumferentially spaced outwardly embowed resilient electrically conductive fingers forming a convex periphery of said resonator, each finger being secured to the same one of said members and making firm slidable contact with the opposing planar surface of the other of said members under a centrifugal tensional force provided by its outwardly embowed configuration, and means encircling said fingers to constrict said fingers radially and uniformly to move the points of contact of said fingers on said opposing surface against the centrifugal tensional force of said fingers to adjust the natural resonant frequency of said resonator.

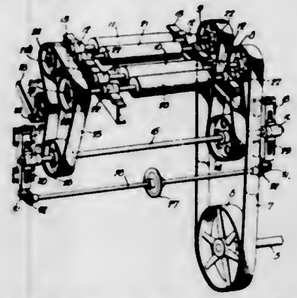
2,549,500
ADJUSTABLE GARMENT HANGER
Lawrence W. McClain, St. Joseph, Mo.
Application February 4, 1948, Serial No. 6,195
1 Claim. (Cl. 223—89)

A garment hanger comprising a wire hook with outwardly and downwardly sloping wire arms, said arms of the hook having loops on the ends and intermediate loops spaced from the ends, and wire end sections with slidably connected horizontally disposed base elements and upwardly and inwardly sloping arms, said end sections having loops on the ends of the base elements and also on the ends of the arms thereof and also having intermediate loops spaced from the ends of the base elements and also from the ends of the arms thereof, and said end sections slidably mounted on the outwardly and downwardly sloping arms of the wire hook with the



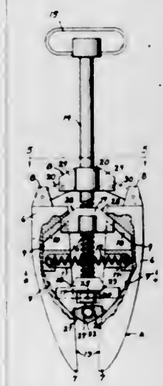
arms of the end sections extended through the end and intermediate loops of the arms of the hook and with the end and intermediate loops of the arms of the end members slidably mounted on the arms of the hook, and the said base members of the end sections slidably connected with the end and intermediate loops of each of said base members positioned around the corresponding base member of the other of said end sections.

2,549,501
DIFFERENTIAL DRIVE FOR FLOUR MILL ROLL STANDS AND THE LIKE
Kenneth McClelland, Chicago, Ill., assignor to John E. Mahoney, Chicago, Ill.
Application July 21, 1949, Serial No. 106,037
4 Claims. (Cl. 74—242.11)



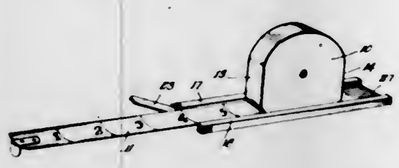
1. In a grind mill roll stand having two pairs of rolls each comprising a fast roll and a slow roll, a pulley fixed to each fast roll at one side of the stand, a pulley fixed to each slow roll at the other side of the stand, a tunnel shaft disposed substantially parallel to said fast and slow rolls and adjustable toward and away from the latter, a pair of pulleys on said tunnel shaft one in the plane of the pulleys fixed to said fast rolls and the other in the plane of the pulleys fixed to said slow rolls, a drive shaft having a pulley thereon, a drive belt extending from said drive shaft pulley over said fast roll pulleys and the related pulley on said tunnel shaft, a differential belt connecting said slow roll pulleys with the related pulley on said tunnel shaft, and means automatically maintaining said differential belt under a constant predetermined tension sufficient to prevent slip of the same relative to its related pulleys under normal load conditions of the roll stand, but insufficient to prevent said belt from readily slipping off its pulleys in the event of abnormal loading of the roll stand, regardless of adjustments of said tunnel shaft toward or away from said rolls and regardless of variations in length of said differential belt.

2,549,502
SHOE STRETCHER
Roy F. McClenathan, Moorheadville, Pa.
Application March 3, 1950, Serial No. 147,425
3 Claims. (Cl. 12—128.5)



1. A shoe stretcher including yieldably engaged parallel heads, an expander assembly for the heads comprising a shaft and multiple spreaders carried by the latter, one of the spreaders being mounted on the forward end of the shaft within the heads, another spreader being within the head through which the shaft is threaded, a guide bearing being movably mounted on the shaft and movably engaged with the aft ends of the heads, the spreaders and shaft being constructed and arranged to effect selective uniform lateral movement of the heads and relative movement of the fore parts of the heads and relative movement of the aft parts of the heads, by manual manipulation of the shaft when the stretcher is mounted in a shoe.

2,549,503
RULE ATTACHMENT
Harry McCully, Chicago, Ill.
Application March 1, 1946, Serial No. 651,174
6 Claims. (Cl. 33—138)



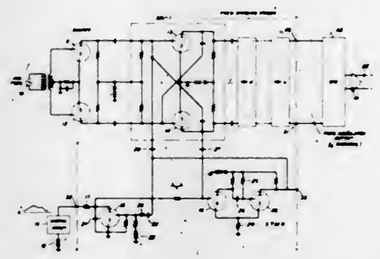
1. An attachment for a rule of the class comprising a case and measuring tape coiled therein, comprising a frame with a bottom supporting surface extending longitudinally and laterally beyond the case, and means for supporting said case in an upright position on said frame so that the tape when withdrawn will lie along a top surface of the frame, said means including an attaching tongue adapted to extend into the case under the said metal tape, whereby said case is readily supportable in an upright position with the tape lying along a surface to be measured.

2,549,504
METHOD OF SEALING GLASS TO METAL
Joseph P. Messana, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1946, Serial No. 654,653
8 Claims. (Cl. 49—81)



1. The method of fabricating a hermetic seal between vitreous material and a metallic member having a neck portion forming an aperture therein and also a conductor extending through said neck portion, which comprises, mounting said conductor in coaxial relation to the neck portion of said metallic member, placing a short ring of vitreous material and of greater diameter than said neck portion concentrically about said conductor in contact with said neck portion, heating said metallic member, tacking said ring to said neck portion by conduction heating from said member, directing an intense heating flame toward said ring from an elevated angle to render the remote end of said ring plastic and collapse said remote end inwardly toward said conductor, and intensely heating said neck portion to soften said vitreous material whereby said vitreous material collapses into the neck portion under the gravitational force and the impact of said first flame, and withdrawing said metallic member and said vitreous material from said flames when said vitreous material has leveled out as a filling mass between said neck portion and said conductor.

2,549,505
PHASE OR FREQUENCY MODULATION SYSTEM
Milton E. Mohr, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1948, Serial No. 48,493
18 Claims. (Cl. 250—20)

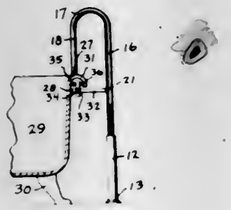


11. In a modulating system, a source of constant frequency pulses, a source of modulating pulses, a frequency dividing multivibrator driven by said constant frequency pulses, means controlled by said modulating pulses to inject into said multivibrator an extra pulse each time a modulating pulse occurs, each such extra pulse

causing premature reversal of said multivibrator and thereby advancing the phase of the output wave thereof by a definite incremental amount.

16. In a receiver having a high frequency wave phase modulated by a pulsed signal which comprises a modulator, means to impress a received wave on said modulator, means to supply a demodulating wave to said modulator of the same frequency as said high frequency wave, an output from said modulator for demodulating currents, and means to make the phase of the high frequency demodulating wave such as to produce zero demodulating output when the received high frequency wave is unmodulated, means for deriving said high frequency demodulating current which comprise a source of high frequency waves, a frequency dividing multivibrator driven thereby, means to produce extra reversing pulses for said multivibrator from and as a function of the demodulated currents, and means to introduce such extra pulses into said multivibrator to cause premature reversals thereof and thereby advance the phase of the output wave thereof, wherein the said high frequency demodulating wave comprises said output wave.

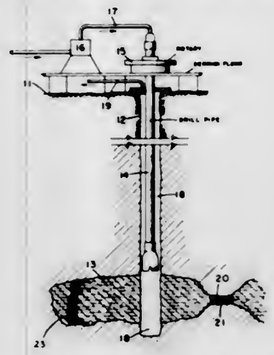
2,549,506
HANDGRIP FOR BATHTUBS
Thomas Moore, Clinton, Iowa
Application September 26, 1946, Serial No. 699,449
1 Claim. (Cl. 4—185)



A hand grip for bath tubs comprising a pair of vertically positioned bracing members attached to the floor adjacent to the bath tub, said bracing members having portions extending substantially vertically beyond the upper edge of the bath tub, and having further integral portions extending downwardly therefrom for abutment against the upper edge of the bath tub, sleeves attached to said bracing members for adjustably securing the same, said bracing members including abutting tubes attached thereto for abutment against the side wall of the bath tub, clamp means attached to said tubes for securing said bracing members against inner faces of a leg type bath tub.

2,549,507
OIL WELL CEMENTING
Bryan E. Morgan and Richard A. Salathiel, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application December 13, 1947, Serial No. 791,630
3 Claims. (Cl. 166—22)

1. In the method of cementing off casing in a well which comprises pumping down through the casing and upwardly in the annular space between the casing and the borehole an aqueous inorganic cement slurry, the step of adding to the cement slurry methyl cellulose in an amount

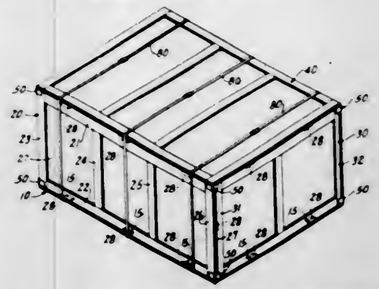


sufficient to retard loss of water from the slurry by filtration.

2,549,508
PREPARATION OF UNSATURATED KETONES AND ALDEHYDES
Henry O. Mottern, Bloomfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 15, 1948, Serial No. 54,821
10 Claims. (Cl. 260—586)

1. A process for the preparation of an unsaturated compound of increased molecular weight selected from the group consisting of aldehydes and ketones which comprises reacting a member of the group consisting of aldehydes, ketones and mixtures thereof in the vapor phase in the presence of hydrogen in the presence of a catalyst consisting substantially of zinc oxide and 1 to 15% by weight of zirconium oxide based on the total weight of the catalyst mixture and recovering an unsaturated compound of increased molecular weight from the reaction.

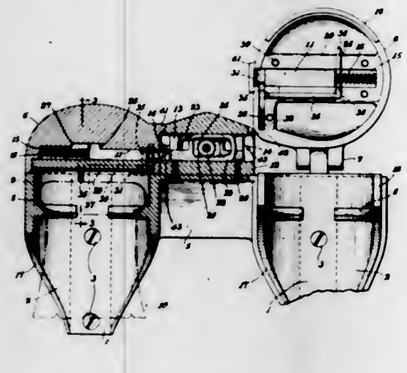
2,549,509
KNOCKDOWN SHIPPING CONTAINER
Thomas Munroe, Dayton, Ohio, assignor to Moraine Box Company, Dayton, Ohio, a corporation of Michigan
Application June 8, 1945, Serial No. 598,371
4 Claims. (Cl. 217—12)



1. In a knock down box of the character described comprising detachably connected walls each formed by a single panel, metal plates mounted on certain of said wall panels and having lugs projecting at right angles therefrom along a substantial longitudinal extent thereof,

grooves formed in the edges of cooperating panels to receive said projecting lugs, corner brackets having angularly arranged channels to receive adjacent wall panels of the box by relative movement substantially parallel to the abutting edge of said wall panels, slots in said wall panels adjacent the corner and cooperating with flanges on the corner brackets to prevent disengagement of said panels by relative movement at an angle to said abutting panel edges, and means to hold the box parts in assembled relation for shipment.

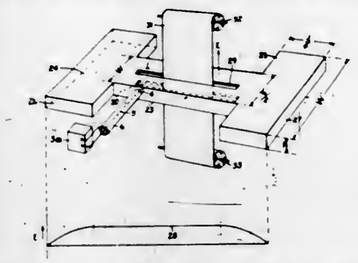
2,549,510
MILK BOTTLE HOLDER
Eugene M. Navarro, New York, N. Y.
Application February 25, 1947, Serial No. 730,764
2 Claims. (Cl. 232—41)



1. A holder comprising a pair of bodies each having a portion forming a supporting bracket to secure the holder in place, a pair of outspread arms attached to each bracket, a connecting member joining an arm of one body to an arm of the other, a cap hinged to each body, a casing on the connecting member between the caps, said casing having a passage therethrough between the caps and open at each end, a bolt mounted in each cap to enter the adjacent end of the passage, mechanism carried by the casing, rack bars side by side in said passage and having openings in said passage, one of said rack bars having gear teeth along its upper inner edge and the other having gear teeth along its lower inner edge, and a pinion engaging the upper and lower teeth of said racks, the pinion being united to the lock mechanism to operate the rack bars and force the bolts to retracted positions in the caps.

2,549,511
APPARATUS FOR UNIFORM HEATING WITH ELECTROMAGNETIC FIELDS
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 7, 1947, Serial No. 784,620
22 Claims. (Cl. 219—47)

1. Apparatus for heating by high frequency electromagnetic fields comprising a section of hollow wave guide having means for the insertion therewithin of an object to be heated, high frequency exciting means for said section having a frequency substantially equal to the cut-off frequency of said section, and terminating structure for said section affording simulated infinite extensions of the ends of said section.

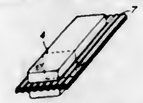


2,549,512
PUNCTUATING DEVICE FOR REGISTERS
Hans Neumann-Lezius and Ernst-Eberhard Wilberg, Brunswick, Germany, assignors to Brunsviga Maschinenwerke Aktiengesellschaft, Brunswick, Germany
Application September 14, 1949, Serial No. 115,622
In Germany October 4, 1948
3 Claims. (Cl. 235—1)



1. In a calculating machine having an accumulator and a casing provided with ordinally spaced windows for exposing the numeral wheels thereof; a punctuating device comprising a rotatable drum having punctuation marks helically disposed about its periphery, a hand grip at one end of said drum, said casing having a longitudinally extending arcuate channel portion adjacent said windows to removably receive and support said drum, said channel portion having a series of ordinally spaced apertures intermediate said windows to expose said punctuation marks, detent means on the casing for releasably holding said drum against axial displacement while permitting rotation thereof, and resilient means for retaining said drum in the arcuate channel in said casing, rotational adjustment of said drum causing said helically arranged punctuation marks to be exposed sequentially in different ones of said aperture series.

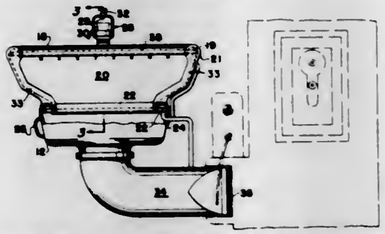
2,549,513
PROCESS OF MAKING PACKAGES HAVING REMOVABLE AND REPLACEABLE LIDS
Charles Nicolle, Gentilly, France
Application May 9, 1946, Serial No. 668,560
In France December 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 3, 1963
8 Claims. (Cl. 154—116)



1. The process of making package sections from two sheets of packaging material, at least

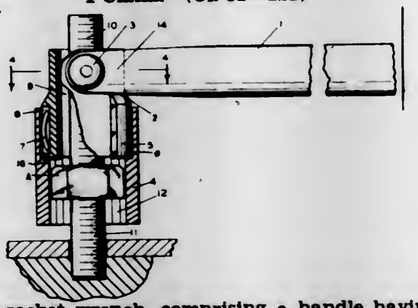
one of which has formed therein an open cavity surrounded by a plane portion, comprising the steps of permanently bonding said plane portion to a plane portion of the other sheet so as to close said cavity, and cutting the bonded sheets transversely of said cavity to form two package sections, each open at one end.

2,549,514
DENTAL CUSPIDOR PROVIDED WITH SALIVA SHIELD
Carl H. Oertel, Baltimore, Md.
Application July 5, 1947, Serial No. 759,070
10 Claims. (Cl. 4—263)



1. A dental cuspidor comprising a basin, said basin having its upper edge turned inwardly to form a channel, a tube in the channel adapted to supply water thereto through openings in the tube directed towards the walls of said basin, an upper extension on said basin extending semi-peripherally thereof, said extension having its upper edge turned inwardly to form a channel, and a tube in the channel adapted to supply water thereto through openings directed towards the walls of said extension and towards the walls of said basin.

2,549,515
WRENCH HAVING PIVOTED HANDLE AND REMOVABLE SOCKET
Millard Orey and Jack R. Chapin, Salem, Oreg.
Application April 26, 1948, Serial No. 23,256
1 Claim. (Cl. 81—121)



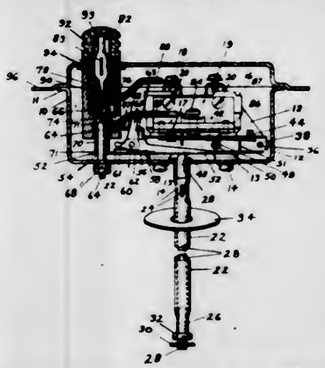
A socket wrench, comprising a handle having a bifurcated end, a sleeve open throughout its length and pivotally mounted at its inner end between said bifurcations, so as to be swingable about a transverse axis; a plurality of longitudinally extending keys circumferentially spaced on the outside of said sleeve, longitudinal slots formed in said keys, resilient elements mounted in the longitudinal slots, a wrench socket sleeve open throughout its length and mounted on the outer end of the first-mentioned sleeve, the inside of said wrench socket sleeve having a plurality of complementary keyway slots to receive the keys and resilient elements so as to hold said sleeves together, and the keyway slots terminating in interior shoulders against which the keys on said first-mentioned sleeve abut.

2,549,516
STRUCTURAL UNIT AND METHOD OF MANUFACTURE
Robert E. Parry, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 6, 1946, Serial No. 660,144
4 Claims. (Cl. 117—70)



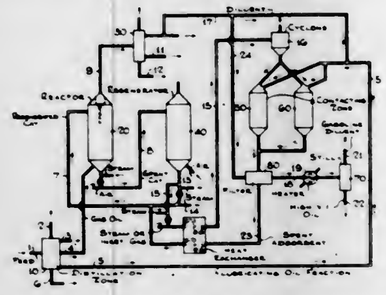
3. A method of imparting a decorative, smooth and waterproof surface to a hydrated and hardened hydraulic cement surface which comprises, applying thereto a thin color sub-coat of not to exceed .0025 inch thickness by drying and heat curing in situ a film suspension of finely divided clay and a mineral pigment in an aqueous sodium silicate solution of high silica content, and applying over the sub-coat a thin transparent finish coat by drying and heat hardening a solvent reduced film of plasticized vinyl-chloride-vinyl-acetate copolymer resin.

2,549,517
THERMOSTATIC SWITCH
Lawrence M. Persons, Chesterfield, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application July 31, 1947, Serial No. 765,164
7 Claims. (Cl. 200—137)



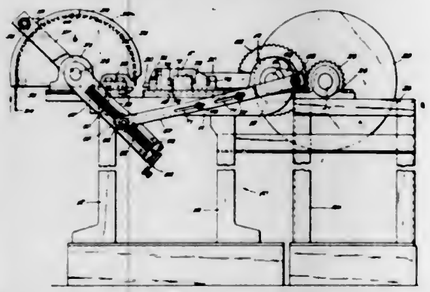
1. A control device that comprises a plurality of relatively movable electrical contacts, a resilient element biasing said contacts toward closed circuit position, a thermally responsive element, an actuating lever that is movable in one direction to move said contacts to open circuit position and is movable in a second direction to permit said resilient element to close said contacts, a second actuating lever that is movable in response to changes in the condition of said thermally responsive element, and a latch that extends between said levers and can cause movement of said first lever in said one direction in response to movement of said second lever, said thermally responsive element being operable at a predetermined temperature to move said second actuating lever and to act through said second actuating lever and said latch to cause said first actuating lever to move in said one direction and thereby move said contacts to open circuit position.

2,549,518
COMBINED SELECTIVE ADSORPTION-CATALYTIC CRACKING PROCESS
Stephen F. Perry, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 8, 1949, Serial No. 69,911
5 Claims. (Cl. 196—52)



1. Improved process for the production of a high quality lubricating oil and a high quality cracked gasoline from a petroleum feed oil, which comprises segregating said petroleum feed oil into a petroleum fraction boiling in the gas oil boiling range and into a petroleum fraction boiling in the lubricating oil boiling range, catalytically cracking said fraction boiling in the gas oil boiling range in a cracking zone with a cracking catalyst under conditions to produce a cracked gasoline, separating the cracking catalyst and regenerating the same, segregating a portion of said regenerated cracking catalyst and contacting said petroleum fraction boiling in the lubricating oil boiling range with said catalyst under conditions to adsorb thereon the more aromatic type constituents, thereafter separating said catalyst from the oil and recycling said cracking catalyst containing said adsorbed constituents to said cracking zone.

2,549,519
CHAIN CUTTING MACHINE
Carroll Peterson, Hammond, Ind.
Application April 11, 1947, Serial No. 740,876
8 Claims. (Cl. 164—48)



8. In combination, a power-driven chain-cutting shear including a main shaft, a tool slide operative by said main shaft, a semicircular chain guide operation to guide a chain, first upwardly and then downwardly through the shearing plane of the shear, and an automatic chain-feed mechanism comprising a shaft located concentrically with the arcuate curvature of said guide, a first arm secured to said shaft and rotatable therewith, a pawl carried by said first arm and reciprocably movable thereby in an arcuate path along said guide and operative throughout each forward stroke to move said chain forwardly toward said shearing plane, a second arm attached to said shaft for rotating the same reciprocably, a feedscrew carried by said second arm and extending lengthwise thereof, a nut carried by said second arm and movable lengthwise thereof, a nut carried by said second arm and movable lengthwise thereof by said feedscrew, a connecting rod pivotally connected at one end to said nut, and a crank attached to said main shaft and pivotally connected to the other end of said connecting rod, the length of stroke of said pawl being variable by rotating said feedscrew and thus moving said nut lengthwise of said second arm.

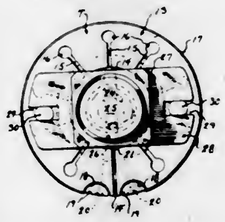
2,549,520
PREPARATION OF SUBSTITUTED CYCLIC KETONES
William Prichard, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 29, 1947, Serial No. 794,451
7 Claims. (Cl. 260—586)

2. A process for preparing substituted alicylic ketones by reaction between a primary alcohol containing no reactive groups other than hydroxyl, and an alicyclic ketone containing a

$$-CH_2-\overset{\overset{O}{\|}}{C}-$$

group as a part of the cyclic structure and which is wholly hydrocarbon aside from the oxo-oxygen, which process comprises contacting the said alcohol and the said ketone with a hydrogenation catalyst at a temperature within the range of 200° to 350° C.

2,549,521
GRINDING TOOL
Charles K. Ramp, Louisville, Ky., and Ernest F. Vilter, Milwaukee, Wis.
Application December 23, 1948, Serial No. 66,903
2 Claims. (Cl. 51—184.3)



1. A tool for grinding and polishing internal cylindrical faces comprising an annular body having a longitudinally extending slit opening out through the inner and outer faces of the body, said body also having a plurality of equidistantly spaced radially extending slots opening out through the upper and lower faces of the body and the inner periphery of the body, said slots terminating short of the outer periphery of the body, an abrading sheet secured to the outer periphery of the body, and an expander cone disposed within the body and movable into intimate engagement with the inner surface of said body for uniformly expanding the body.

2,549,522

REMOVAL OF SPENT WOOD CHIPS FROM EXTRACTORS USED IN ROSIN RECOVERY PROCESSES

Gerald L. Reasor, Chicago, Ill.

No Drawing. Application February 26, 1948, Serial No. 11,353
8 Claims. (Cl. 134—28)

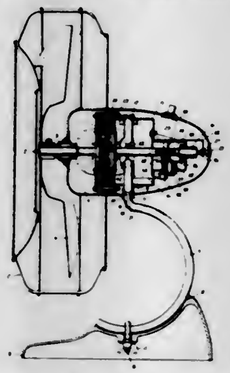
1. The method of removing a matted bed of substantial thickness of spent wood chips from an extractor after the extraction of rosin from said chips by a solvent extraction procedure which comprises forcing a hot, dilute acid solution through said bed of spent wood chips until the matted character of said chips is modified, and, after drawing off said solution, removing the solid residue from said extractor.

2,549,523

ELECTRIC FAN

George J. Reisch, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application December 16, 1948, Serial No. 65,711
5 Claims. (Cl. 230—264)



1. In an electric fan having a driving motor and a casing therefor, a support for said motor and said casing comprising a vertically arranged rod having an upper end and a groove spaced from said upper end with an eccentric portion positioned between said groove and said end, means journaling said upper end in said casing, a pair of metallic clamps surrounding said rod, one of said clamps being attached to said casing, the other of said clamps having a lanced portion arranged to fit into said groove, an arm pivotally attached to said eccentric portion, and means including a crank attached to said arm and a gear train connecting said crank and said motor for oscillating said casing.

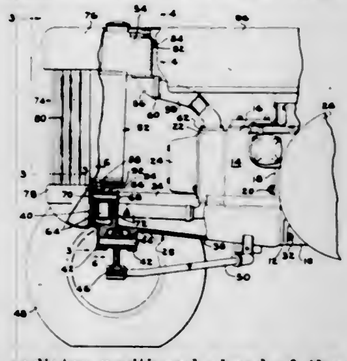
2,549,524

VEHICLE RADIATOR AND ENGINE MOUNTING

Barrett G. Rich, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application April 15, 1948, Serial No. 21,294
1 Claim. (Cl. 180—68)

In a tractor having a longitudinal body including a rear main body housing provided with an upright mounting face: an internal-combustion engine extending forwardly from the main housing and having a rear portion rigidly secured to said upright mounting face and having a rigid forward upper portion disposed at a height a substantial distance above the level of the main housing; a forward frame in the form of a U having longitudinal side members disposed at opposite sides of and independently of the engine and secured at their rear ends to the main housing, and a transverse member rigidly cross-connecting the front ends of said members and disposed ahead and independently of the engine, said members lying at a level a substantial distance below the forward upper portion of the



engine; a radiator positioned ahead of the engine and having upper and lower parts proximate respectively to the forward upper portion of the engine and to the transverse member of the frame; means rigidly connecting the upper part of the radiator to the forward upper part of the engine; and means pivotally connecting the lower part of the radiator to the central portion of said transverse member independently of the engine and on a longitudinal pivot below the level of said frame members.

2,549,525

MANUFACTURE OF EXTREME PRESSURE ADDITIVES FOR LUBRICATING OILS

Kenneth Charles Roberts, Clayton, Manchester, England, assignor to The Anchor Chemical Company Limited, Clayton, Manchester, England, a British company

No Drawing. Application February 12, 1948, Serial No. 8,002. In Great Britain December 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1966
2 Claims. (Cl. 260—399)

1. In the production of extreme pressure additives for lubricating oils, the process which consists substantially in heating and reacting sulfur with an unsaturated ester of an aliphatic alcohol containing not more than two hydroxyl groups and naturally occurring fatty acids containing from 16 to 24 carbon atoms, in the presence of a small amount of a dicyclohexylamine, at a temperature within the range of from about 130° to 180° C., and recovering the resulting sulfurized product.

2,549,526

PROCESS FOR RECOVERY OF VEGETABLE PROTEIN

Stewart Rowe, Cincinnati, Ohio, assignor, by mesne assignments, to Buckeye Cotton Oil Company, Memphis, Tenn., a corporation of Ohio

No Drawing. Application December 15, 1947, Serial No. 791,943
12 Claims. (Cl. 260—123.5)

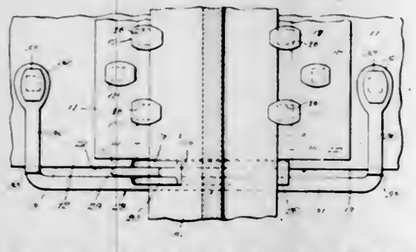
3. In the process of recovering vegetable protein from an aqueous alkaline solution thereof, which process comprises acidifying the solution to precipitate the protein, and filtering off the precipitated protein, the improvement which comprises adding to the protein-containing liquor, at any time prior to filtration, a heavy-metal-containing inorganic salt substantially soluble in the alkaline solution of the protein but forming a gelatinous precipitate in the acid liquor in which the protein is precipitated, the pH of the protein-containing liquor being from about 3.6 to about 4.5 during filtration.

2,549,527

RAIL ANCHOR SECURING MEANS

Max K. Ruppert, Chicago, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware

Application July 3, 1948, Serial No. 37,021
3 Claims. (Cl. 238—321)



1. In combination with a railroad rail and an underlying cross-tie on which the rail is supported, of means for resisting longitudinal creeping movements of the rail in both forward and reverse directions comprising a rail clamping element adapted to be driven transversely of a rail to its applied position on the base portion of the rail and including a portion which extends across the rail beneath the base portion thereof and bears against a vertical face of the cross-tie to resist creeping movement of the rail in one direction, and a securing device secured directly to the cross-tie at locations spaced from the rail at opposite sides thereof and positioned to slidably engage one side face only of said rail clamping element to hold the opposite side face thereof in close contact with said vertical face of the cross-tie; the said securing device comprising a flat metal bar having its ends bent at right angles to the middle portion of the bar to provide arms for attachment to the cross-tie and the said middle portion is arranged to bear edgewise against the rail clamping element for the full length of the under-rail portion thereof and cooperates with the cross-tie to define a space for receiving said clamping element, which space is substantially longer than the clamping element so that the latter may be applied and removed from the rail without disturbing the position of the rail.

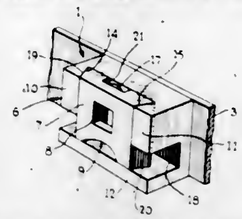
2,549,528

ORTHODONTIC DEVICE

Harry John Russell, Newark, N. J., assignor to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

Application August 12, 1949, Serial No. 109,909
9 Claims. (Cl. 32—14)

1. An orthodontic lock comprising in combination a lock base structure and a locking member, said locking member being provided with vertical beveled sides, an aperture, a vertical groove along said locking member intermediate of said sides, said lock base structure being provided with beveled sides engageable with said beveled sides of said locking member for vertical sliding movement of said locking member, an end portion for restricting downward movement of said locking member, and a retaining means engageable with said groove of said locking member for limiting



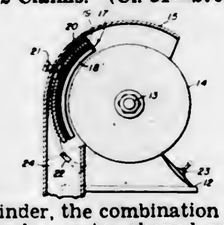
upward movement of said locking member and for preventing disengagement of said locking member from said lock base structure, said lock base structure having a transverse groove perpendicular to said locking member for containing an arch bow wire.

2,549,529

MAGNETIC CHIP COLLECTOR FOR GRINDERS

Alfred V. Sandlin, Corpus Christi, Tex.

Application November 10, 1947, Serial No. 785,105
2 Claims. (Cl. 51—270)



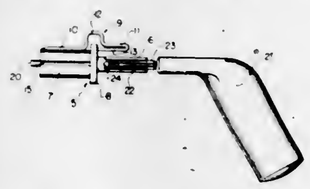
1. In a grinder, the combination of a rotatable grinding wheel, a sector-shaped guard including spaced side walls and an arcuate edge wall enclosing respective side and peripheric portions of said wheel, and an arcuate magnet secured to the inner surface of the arcuate edge wall of said guard, and an arcuate chip collecting trough carried by said magnet and having magnetizable chip collecting surfaces disposed in V-shaped formation adjacent the periphery of said wheel, whereby metallic chips projected by said grinding wheel into said guard may be attracted by said magnet and collected in said trough.

2,549,530

HAIR CURLER

Everald J. Saucier, Hartford, Conn.

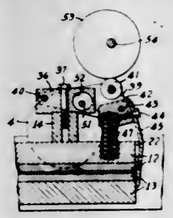
Application May 19, 1947, Serial No. 748,898
2 Claims. (Cl. 132—33)



2. A hair curler comprising a spool having a substantially solid tubular end portion and a hollow tubular end portion, a resilient clip mounted on the spool intermediate the ends

thereof and cooperable with the substantially solid end portion of the spool for securing the tip end of a strand of hair thereto, said substantially solid end portion of said spool being provided with a series of circumferentially spaced slots extending longitudinally thereof, a follower plate slideably mounted on the mentioned end portion of the spool and having radial arms extending beyond the periphery of the spool and movable through the slots for engaging the hair wound on the spool to effect a removal of the hair from the spool, a pistol grip for the spool, and a sleeve member freely rotatably mounted on the pistol grip and frictionally engaged in the hollow end portion of the spool for rotatably supporting the latter on the pistol grip.

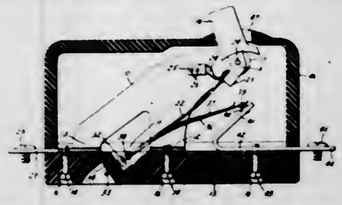
2,549,531
WAFFLE BAKING MACHINE
Theodore F. Schlicksupp, Long Island City, N. Y.
Application March 25, 1949, Serial No. 83,355
5 Claims. (Cl. 107—58)



1. In a waffle baking machine in which waffle irons, each comprising a pair of mold sections and each provided with at least one steam vent, are moved successively past a station at which they are opened and filled with batter and then past heating means which bakes the waffles, means for removing the batter that escapes through the steam vent of each waffle iron, said means comprising a knife mounting carried by one mold section of each waffle iron for movement relative to such section, a knife blade on said mounting and having a cutting edge arranged to move across the steam vent of the corresponding waffle iron when the knife mounting is actuated relative to the mold section which carries it, and cam means mounted on a stationary part of the machine arranged to engage a part on the knife mounting as said part passes the cam means to thereby actuate the knife mounting relative to the mold section which carries it and cause the cutting edge of the knife blade to move across the steam vent of the corresponding waffle iron and remove any batter that has escaped therethrough, said cam means being located at such a point along the path of travel of the waffle irons that it actuates the knife mounting on each waffle iron after the baking of the waffle therein is substantially completed by the heating means.

2,549,532
THERMAL AND MANUAL SNAP-ACTION CIRCUIT BREAKER
Joseph W. Seaman, Kennett Square, Pa., assignor to General Electric Company, a corporation of New York
Application June 17, 1949, Serial No. 99,637
6 Claims. (Cl. 200—113)

1. A circuit breaker having in combination, a bimetal strip provided with insulated end supports spaced for bowing the strip into one position on one side of the straight line between the supports to effect snap-action reverse bowing to the opposite position when the strip is heated, operating means engaging one end of the strip for reversely bowing the strip between said positions, switching means including a conducting switch arm electrically and mechanically connected to the other end of the strip to diverge



therefrom on the one side of the straight line between the supports for operation to the circuit-closing position upon bowing of the strip to said one position, and means including a flexible conductor connected with said one end of the strip to complete an electric heating circuit through the strip when said switch arm is in the circuit-closing position.

2,549,533
ELECTRIC MATCH AND EXPLOSION INITIATOR CONTAINING THE SAME
Boyd J. Sevold, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application June 27, 1945, Serial No. 601,823
3 Claims. (Cl. 102—28)

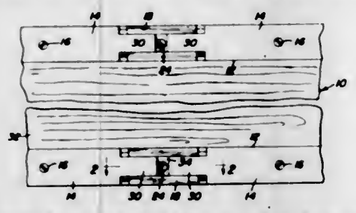


1. An electric match comprising a pair of terminal sheets separated by insulating material, a bridge wire connecting said sheets, a match head surrounding said bridge wire, and a separate leg wire fastened to each of said terminal sheets, each leg wire extending beyond its point of fastening over said match head and to a point approximately flush with the end of said match head.

2,549,534
SKI EDGING
Arthur Wright Shults, Sun Valley, Idaho
Application September 28, 1949, Serial No. 118,436
2 Claims. (Cl. 280—11.13)

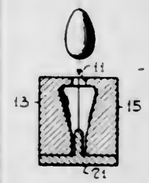
1. In a ski, the combination of a runner having an elongated open sided channel in a bottom longitudinal edge portion thereof, an elongated dovetailed socket having open ends and secured to the runner intermediate the ends of said channel, a set of edging strips fitted in the channel

at opposite ends of said socket, dovetailed tongues provided at adjacent ends of said strips and fitted in opposite end portions of the socket,



said tongues being slidable in said socket upon flexing of the runner, and said socket and said tongues having outer surfaces flush with the bottom surface of said runner.

2,549,535
GLASS MOLDING LUBRICANT
Arthur C. Skooglund, Woodmont, Conn., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 11, 1949, Serial No. 75,957
3 Claims. (Cl. 18—47)



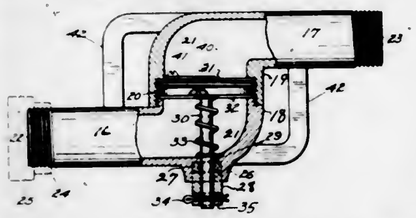
1. A lubricating composition for molding glass, and the like, at high temperatures consisting essentially of 90 to 99.5% by weight of hydrocarbon oil having an end boiling point below the molding temperature, 0.1 to 5% of finely divided graphite and 0.4 to 5% of an alkyl ester of a fatty acid, said ester having not more than 6 carbon atoms in one group and 12 to 24 carbon atoms in the other.

2,549,536
APPARATUS FOR MAKING BRUSHES
McDonald D. Smith, Washington, D. C.
Application April 11, 1946, Serial No. 661,304
3 Claims. (Cl. 300—2)



1. Apparatus for making brushes, comprising a pair of tracks extending lengthwise of each other, a carrier, means for propelling said carrier in opposite directions along said tracks respectively, transfer members for the carrier at the ends of the tracks respectively into which the propelling means are adapted to propel the carrier, means for timedly reciprocating the transfer members between the tracks, means for loading said carrier with a bristle tuft while it is in one of said transfer members so that an end portion of the tuft projects from the carrier, said carrier being then withdrawn from said one of said transfer members and propelled along one of the tracks by the propelling means whose action is away from said one of said transfer members, means for supplying a holder to said end portion of the tuft while the carrier is thus propelled, and means for releasing the carrier from the tuft, the carrier then entering the other of said transfer members for transfer to the other track and propulsion back to said one of said transfer members.

2,549,537
AUXILIARY VALVE FOR SPRINKLING
Edward Sokolik, New Brighton, Minn.
Application October 17, 1949, Serial No. 121,663
4 Claims. (Cl. 251—90)



1. A valve device for controlling a water sprinkler comprising a valve casing, a pair of concentric contacting discs with corresponding registering ports, a shaft secured to one of said discs and a lever for turning said shaft, said casing consisting of two parts having the same general interior contour and screw threadedly joined, said parts having enlarged portions in the region of said joining forming a common chamber and the outer extremities of said parts having means for interposing same in a hose line, one of said discs being screw threadedly seated in common with the screw threaded joining of said parts, the other disc being movable and having a reduced diameter for turning clearance of said screw threads, said shaft extending through one of the parts of said casing and provided with a packing gland and a coil spring, said coil spring encircling said shaft and spring loading said movable disc, the ends of said spring engaging notches respectively in said casing and said disc to normally maintain said ports in open position, said fixed disc having a spring member with an arcuate bend thrusting through a port making frictional engagement with said movable disc to overcome torque of said coil spring and maintain said ports in closed position, said lever being secured to the outer extremity of said shaft and having substantially a right angle bend with a two way extending portion beyond said bend conforming closely to the contour of the parts of said casing, the extremities of said portion being positioned with respect to the parts of said casing to provide stop limits for opening and closing of said ports by determined amount of rotary movement of said lever, whereby the valve may be operated by the foot as well as by hand and eliminating any stooping.

2,549,538
METHOD FOR DEPOLYMERIZING POLYSTYRENE
William J. Sparks, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 25, 1945, Serial No. 612,722
4 Claims. (Cl. 260—93.5)

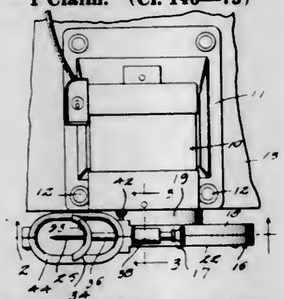
1. The method of modifying polystyrene having a molecular weight above about 80,000, which

comprises dissolving said polystyrene in a solution containing an active aluminum halide catalyst dissolved in a lower alkyl halide of 1 to 2 carbon atoms, maintaining the resulting solution at a temperature of −25° C. to 5° C. a sufficient time for the dissolved polystyrene to undergo modification with decrease in its molecular weight to about 30,000–70,000, and thereafter precipitating the thus modified polystyrene from the solution.

2,549,539
STYRENE-DIOLEFIN LOW TEMPERATURE COPOLYMERS AND PREPARATION AND USES THEREOF
William J. Sparks, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 14, 1945, Serial No. 616,481
1 Claim. (Cl. 260—84.1)

A copolymerization solid product of 20 to 75% styrene and 2-methylpentadiene, as the sole monomers, and which solid product is soluble in volatile aromatic hydrocarbons.

2,549,540
BUN SLICING MACHINE
David R. Spilky, Chicago, Ill.
Application April 21, 1949, Serial No. 88,773
1 Claim. (Cl. 146—73)



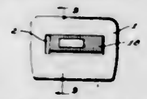
A bun slicing machine comprising a power member, a circular cutter rotatable by said member, a housing enclosing said cutter, an annular flange carried by said housing engaging about one end of said member, a tubular vertical bun guide carried by said housing, said guide having parallel straight side walls equidistantly spaced on opposite sides of said cutter, said side walls being connected by oppositely concaved end walls of identical radius of curvature, one of said end walls being provided with a longitudinally extending slot through which said cutter extends to a point adjacent, but spaced from, the other of said end walls, said slotted end wall being provided with apertures above and below the slot, bushings in said slot, upper and lower slide members extending through said bushing and a transversely arcuate movable guide member extending the full length of said guide secured to said slide members, said movable guide member being convexed relative to said slotted end wall and of the same radius of curvature, and provided with a second slot aligned with the slot in said end wall through which said cutter extends, whereby movement of said slide member varies the relative position of said guide and hence the cross sectional area of said tubular guide, and said other end member and said guide coact to center a bun passed through said tubular guide and insure a centered cut by said cutter.

2,549,541
PRISMLIKE LENS, PARTICULARLY FOR VIEWING TRAFFIC LIGHTS
Max Uri Squiers, La Grange, Ill., assignor to Charles Peckat Manufacturing Co., a corporation of Illinois
Application November 30, 1948, Serial No. 62,748
4 Claims. (Cl. 88—1)



1. A device for viewing a traffic light or the like positioned beyond the normal field of vision comprising: a prism having a concavo face, a generally semi-circular edge portion and a substantially linear apex extending between the ends of the edge portion; a yoke having arms pivotally mounted on said edge portion adjacent the apex of the prism to provide a pivotal axis for the prism substantially parallel to said apex, said arms having a curvature closely corresponding to said semi-circular edge portion and being adapted to receive said prism therebetween; a plurality of spaced engaging portions on the base of the prism, said engaging portions being spaced generally along a line lying in a plane substantially perpendicular to the pivotal axis of the prism; engaging means on the yoke closely adjacent the base and adapted to coact with any one of the engaging means on the prism to hold the prism in any one of a plurality of adjusted positions relative to the yoke; and means carried by the yoke for mounting the device.

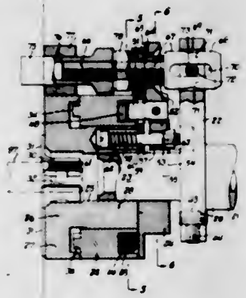
2,549,542
RAZOR BLADE HOLDER
Carlyle B. Stair, Glendale, Calif.
Application August 20, 1949, Serial No. 111,352
10 Claims. (Cl. 30—162)



1. A holder for safety razor blades adapted to enable such blades to be used for scraping and cutting uses comprising a case formed of mating halves, the interiors of which combine to form a blade receiving cavity therein and having slots at each end to permit the insertion and removal of blades, spring means in said case operative to maintain a blade retracted and a manually operable element disposed in said cavity and having a portion thereof protruding through an opening in said case operable to cause the edge of a blade contained in said case to be projected beyond said case.

2,549,543
THREAD-CUTTING TOOL WITH RETIRABLE CHASERS
Royce M. Strickland, New Haven, Conn., assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application September 28, 1946, Serial No. 700,120
5 Claims. (Cl. 10—96)

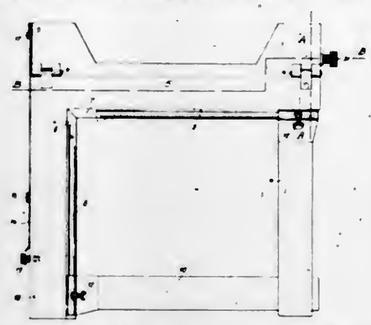
1. An automatic thread-cutting tool, including in combination: a mounting-member; a chaser-carrying member carried by and movable axially with respect to the said mounting-member; chasers carried by the said chaser-carrying member and movable with respect thereto into and out of position to engage with a work-piece; a chaser-operating member carried by the tool-structure and associated with the said chasers in operative relationship to advance and retire the same; spring-means yieldingly urging the said chaser-operating member in a direction to effect the retirement of the said chasers; a latch-member engageable with the said chaser-operating member to releasably hold the same against the urge of the said spring-means; a tripping-unit including a front member and a rear member threaded together and carried by the tool-structure on the exterior thereof with capacity for movement with respect to the said chaser-



carrying member in a direction lengthwise of the tool-structure, the said tripping-unit projecting forwardly beyond the said chasers into position to be moved rearwardly relative to the said chaser-carrying member by the engagement of its front member with an extraneous tripping-abutment; a latch-lever pivotally connected to the said chaser-carrying member and to the rear member of the said tripping-unit to transmit the relative rearward movement of the said tripping-unit to the said latch-member to retire the latter; a shiftable trip-selecting member carried by the tool-structure and shiftable into and out of a coupling position engaging and coupling together the rear member of the said tripping-unit and the said mounting-member; and releasable retaining-means engaging with and releasably holding the said trip-selecting member in place.

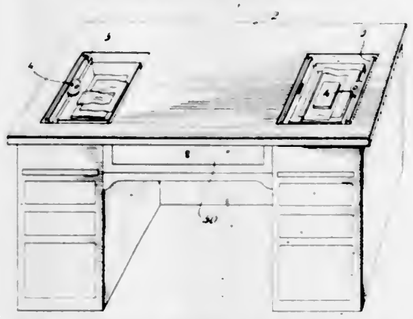
2,549,544
MARGINING DEVICE FOR USE IN POSITIVE PRINTING
Julien Tessier, Clamart, France
Application March 5, 1947, Serial No. 732,517
In France March 5, 1946
4 Claims. (Cl. 33—184.5)

1. A margining device for use in positive printing of the type comprising a rectangular frame providing a mask, two adjacent sides of which **6**, **7** constitute a rigid unit similar to a carpenter's square, two graduated rails **8**, **9** respectively fastened to said two adjacent sides **6**, **7**, the two other sides **10**, **11** being adjustable by sliding on the graduated rails **8**, **9** along the two first sides as desired, and a pair of horizontal margining stop bars **50**, **37** parallel respectively with either side **6**, **7** of said rigid unit and horizontally adjustable perpendicularly to their direction as desired, in combination with a stationary casing **1** to which one **7** of of the first sides of said rigid unit is hinged on a horizontal line, means **14**, **18** to support said rigid unit in at least one raised position around said horizontal line and in dropped position as desired, a movement transmitting mechanism housed inside of the stationary casing **1**, and operatively associated with both



margining stop bars **50—37** to provide for adjustment of said stop bars horizontally simultaneously in parallel motion towards the center of the mask **6**, **7**, **10**, **11** or outward and means to actuate said mechanism.

2,549,545
WRITING TABLE
Laurent Thibléroz, Paris, France
Application May 1, 1945, Serial No. 591,324
In France June 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 11, 1963
13 Claims. (Cl. 312—272)

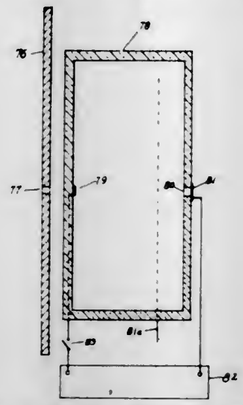


1. A writing desk having at least one drawer and comprising a top surface provided with at least one opening separated from the periphery thereof, a bottom panel situated below and in alignment with said opening to form a recess destined to receive documents, a panel forming a lid for said opening, said lid registering with said top surface when in the closed position, a staple attached to said lid means for engaging said staple and locking said lid in the closed position, and means for disengaging said staples connected to a drawer of said writing table.

2,549,546
PHOTOGRAPHIC ELECTRICAL COPYING DEVICE
Albert G. Thomas, Lynchburg, Va.
Application October 24, 1947, Serial No. 781,824
13 Claims. (Cl. 95—1.9)

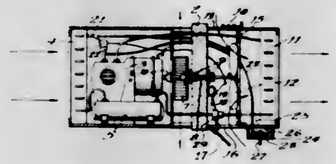
1. In an image reproducing device, a substantially evacuated container having a light-transmitting portion, an element in said container

adapted to receive light from said portion and emitting electrons where struck by said light, said container being of material relatively impervious to passage therethrough of gas ions or molecules



and having an opening through which electrons from said electron-emitting element are adapted to pass, and an electron-permeable element sealing said opening against passage of gas molecules and gas ions.

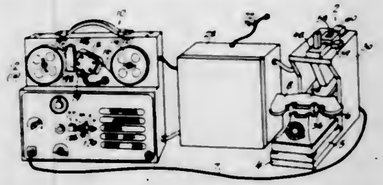
2,549,547
HUMIDITY CONTROL SYSTEM
Allen Trask, Chicago, Ill.
Application July 6, 1945, Serial No. 603,490
5 Claims. (Cl. 62—6)



1. An enclosure for a refrigerated space, an opening in said enclosure, a cabinet adapted to be inserted partially through said enclosure opening, a refrigeration system in said cabinet, a partition in said cabinet adapted to plug said enclosure opening; a compressor, a motor, a condenser, and a condenser fan in said refrigeration system assembled within the portion of said cabinet not inserted within said enclosure; an evaporator, and an evaporator fan assembled within the portion of said cabinet adapted for insertion into said enclosure; a humidostat, means responsive to said humidostat for changing the C. F. M. flow of air through said evaporator from a maximum to a minimum flow, and means for changing the C. F. M. of said minimum flow.

2,549,548
SYSTEM FOR AUTOMATICALLY TRANSMITTING AND RECEIVING TELEPHONE MESSAGES
Max Kurt von Zimmermann, Trenton, N. J.
Application December 10, 1947, Serial No. 790,908
3 Claims. (Cl. 179—6)

1. A system for automatically transmitting and receiving telephone messages comprising a telephone circuit including a receiver, a support for said receiver, a lever pivotally movable to raise and lower said receiver to complete and break the telephone circuit, an actuating circuit including a solenoid connected to said lever for actuating the lever, means in said actuating circuit responsive to an incoming signal for completing and maintaining said circuit, time delay means in said circuit for delaying operation of said



solenoid to raise the receiver for a predetermined time after the actuating circuit is completed, a transmitting and recording device, a control circuit for said device operable to control the sequence and duration of the transmitting and recording operations of said device, and switch means actuated by movement of said lever for completing and breaking said control circuit.

2,549,549
PROCESS FOR PRODUCING ALUMINUM TRIHYDRATE
James R. Wall, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 7, 1947, Serial No. 753,371
2 Claims. (Cl. 23—143)

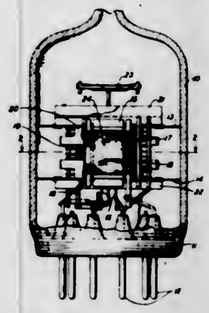
1. The process of producing crystalline aluminum trihydrate from a sodium aluminate solution, comprising the steps of precipitating armorphous aluminum hydroxide from a solution of an aluminum salt, maintaining the said precipitate in undissolved form in contact with a solution of an alkali metal compound selected from the group consisting of the carbonates and hydroxides for sufficient time to convert only part of the said amorphous aluminum hydroxide to crystalline aluminum trihydrate and thus produce a mixture of amorphous aluminum hydroxide and minute particles of crystalline aluminum trihydrate, thereafter adding the said mixture of amorphous aluminum hydroxide and aluminum trihydrate to the said sodium aluminate solution and agitating the resultant mix, whereby aluminum trihydrate is precipitated from the sodium aluminate solution by auto-precipitation.

2,549,550
VIBRATION-OPERATED TRANSISTOR
Robert L. Wallace, Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1948, Serial No. 45,024
14 Claims. (Cl. 179—100.41)



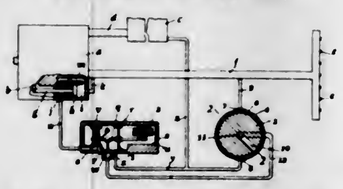
1. A transducer which comprises a body of semiconductive material, an input electrode having a tip formed of a sphere of elastic carbon making contact with a minute area of the surface of said body, two additional electrodes connected to said body, an input circuit connected to said input electrode and an output circuit connected to one of said additional electrodes, said body being adapted to translate electrical variations in the input circuit into amplified electrical variations in the output circuit, and mechanical signal-operated means for variably urging said carbon sphere against said body.

2,549,551
GRID ELECTRODE STRUCTURE AND MANUFACTURING METHOD THEREFOR
Edward J. Walsh, Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1948, Serial No. 2,433
8 Claims. (Cl. 250—27.5)



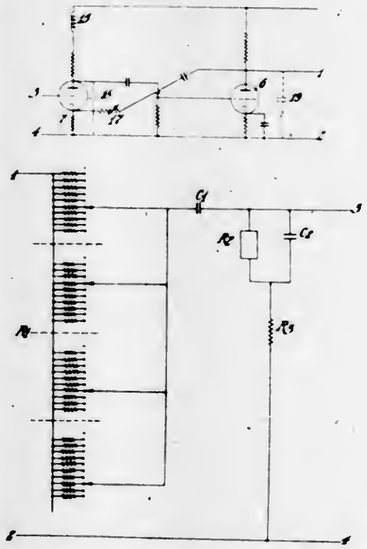
1. A frame type grid electrode comprising a pair of upright portions in parallel relation and parallel pairs of bracing straps extending between said uprights adjacent opposite ends thereof, and a helical winding of fine wire embracing said uprights and extending over the area between said straps, said winding having the lateral turns uniformly spaced in parallel relation over the longitudinal area between said straps, said turns being held on said uprights by fusible metal embedding the portions of said laterals on said upright portions.

2,549,552
MEANS FOR CONTROLLING THE SUPPLY OF LIQUID FUEL TO INTERNAL-COMBUSTION PRIME MOVERS
Ernest Ansley Watson, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application February 6, 1946, Serial No. 645,742
In Great Britain January 1, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 1, 1966
6 Claims. (Cl. 103—11)



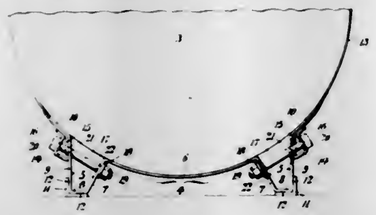
1. A liquid fuel supply system comprising a variable delivery pump and a member responsive to fluid pressure for controlling the output of the pump, a by-pass device having in combination a pressure fluid inlet, a pressure fluid outlet, a restricted passageway interconnecting the inlet and outlet, a port which communicates with the passageway at a position between the inlet and outlet, and means through which the pump control member is exposed to the fluid pressure at the said position within the passageway, and adjustable means for establishing a variable pressure drop in the passageway to vary the fluid pressure acting on the said member.

2,549,553
THERMIONIC VALVE OSCILLATOR AND AMPLIFIER
Edmund Ramsay Wigan, Barnham, England
Application August 7, 1947, Serial No. 767,065
In Great Britain January 27, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1959
6 Claims. (Cl. 250—36)



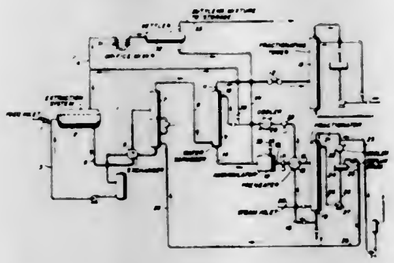
1. A thermionic valve oscillator comprising a thermionic amplifier section having a substantially zero phase shift and connected across its output circuit a network consisting of two parts connected in series, one of the said parts including a resistance in series with a condenser, and the other of said parts including a second resistance in parallel with a second condenser and a third resistance connected in series with the second condenser and second resistance, and connections between that part of the network containing the second and third resistances and the second condenser, and the input circuit of the amplifier section adapted to feed back thereto the voltage developed across the said part of the network in such phase that oscillations may be generated, the first resistance consisting of a plurality of resistance units all connected in parallel with each other, and means for controlling the first resistance value by means associated with each resistance unit, and the second resistance comprising a plurality of resistance units connected in parallel, and means for controlling the second resistance value by means associated with each second resistance unit.

2,549,554
TANK SUPPORTING CRADLE DEVICE
Ronald M. Wilson, Ambler, Pa., assignor to William M. Wilson's Sons, Inc., Lansdale, Pa., a corporation of Pennsylvania
Application July 11, 1946, Serial No. 682,852
9 Claims. (Cl. 248—146)



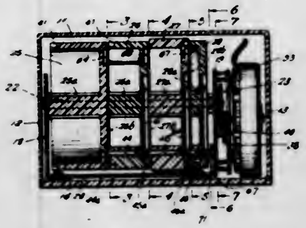
1. In a tank supporting device, the combination of spaced cradles each including a pair of bifurcate legs with an intervening arcuate section; associated clamping bands adapted to engage around the tank and having looped collapse-resistive terminal-portions for coaction with the outer ends of the spaced cradle legs; and tensioning elements engageable through and across the band loop portions and associated cradle bifurate legs, whereby the clamping bands and intervening arcuate sections of the cradle are subjected to tension throughout the entire length thereof, for the purpose specified.

2,549,555
RECOVERY OF AMMONIA FROM BUTADIENE-AMMONIA MIXTURE
Samuel W. Wilson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 30, 1947, Serial No. 764,639
7 Claims. (Cl. 23—193)



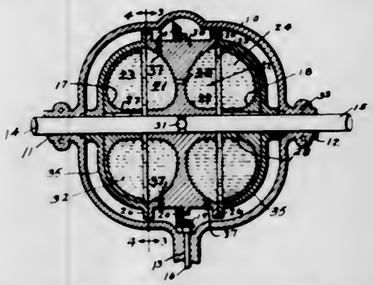
1. In the recovery of ammonia from a butadiene ammonia mixture obtained by desorbing an ammoniacal cuprous salt solution of the said butadiene, the improvement which comprises inhibiting the formation of polymers by scrubbing the desorbed butadiene ammonia in the gas phase with an aqueous alkaline solution having a pH above 8 of a phenolic compound selected from the group consisting of tertiary butyl catechol, catechol, hydroquinone and pyrogallol, separating the aqueous phenolic compound solution, passing the aqueous phenolic compound solution to a stripping column, heating it therein to drive off the ammonia and recycling the aqueous bottoms containing the phenolic compound after cooling to the butadiene ammonia scrubber.

2,549,556
CYCLOMETER CLOCK AND CARRY-OVER MECHANISM
Lucien C. Wuischpard, Long Hill, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 12, 1946, Serial No. 702,983
6 Claims. (Cl. 235—143)



1. In a registering device, a rotary member having indicia; a carry-over pin slidably mounted in the member and located for engagement with an adjacent rotary member when in a predetermined position, the pin being grooved on its side adjacent one end; and an elongate leaf spring secured at one end to the rotary member, the other end portion of the spring being slotted, engaging the grooved portion of the carry-over pin, and normally yieldably holding the latter in an axial position from which it is shiftable to the said predetermined position upon the application of axial pressure, the slotted end portion of the spring being folded back on itself and having an unbroken face overlying and substantially broader than the end of the said pin.

2,549,557
DIFFERENTIAL DRIVE TURBINE TYPE FLUID COUPLING
Zolton Yancho and Daniel Yancho, Essex, Md.
Application January 18, 1946, Serial No. 641,933
1 Claim. (Cl. 60—54)



In a differential drive fluid coupling, a casing, said casing comprising a medial impeller having a single wall provided with external radially disposed vanes and complementary arcuate casing portions secured to said impeller to form liquid chambers between said impeller and said casing portions, a pair of co-axial runner shafts extending freely through said casing, said shafts having spaced terminal ends within said casing, a frictionless bearing between said ends, a pair of runners, each of which is housed in each casing portion, said runners having vanes cooperating with the vanes of said impeller, and each of said runners being keyed to its respective shaft, passage means through the wall of said impeller placing the chambers on either side thereof in communication, a housing surrounding and spaced from said casing and having bearing portions for said shafts, a circular crown peripherally carried by said casing, a ring gear carried thereby, means for driving said ring gear carried by the housing, additional passage means through the wall of the impeller to place the space between the housing and casing and the liquid chambers in communication, and plugs for blocking these passages and the passages in the housing to provide access to these plugs.

2,549,558
ASPHALT RESIN COMPOSITIONS
David W. Young, Roselle, John D. Garber, Cranford, and William J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 28, 1947, Serial No. 757,936
7 Claims. (Cl. 260—23.7)

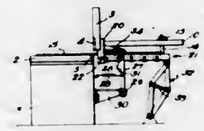
1. A process for preparing a paint which comprises heating to 294° C. a mixture of 81% gilsonite asphalt, 10% linseed oil, 5% hydrocarbon resin consisting of 60% butadiene, and 40% diisobutylene, and 4% of asbestos to obtain a solution of uniform composition, and adding a volatile thinner consisting of 13% xylol, and 87% of petroleum thinner, distilling between 210° and 400° F.

2,549,559
PHARMACEUTICAL MEANS FOR FACILITATING THE MAKING OF SUPPOSITORIES OR THE LIKE
Abraham Allison, New York, N. Y.
Application December 5, 1947, Serial No. 789,834
1 Claim. (Cl. 18—5)



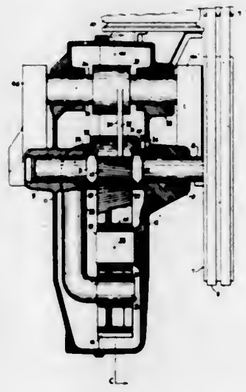
A portable sanitary compressor for producing suppositories or like articles comprising a holder having a plurality of sockets, a like number of cylindrical tubular molds each open at its bottom and each removably suspended from one of the sockets in said holder, the lower end of each of said molds being tapered externally, a corresponding number of longitudinally movable plungers one within each said mold, each plunger having a stem at one end projecting outwardly of the socket and mold in which it is movable, and each stem having an annular groove, the other end of each stem being secured to one of said plungers, the other end of each said plunger having a cavity, and a split member slidably and frictionally engaging each said stem about its groove, said compressor being adapted to be manually pressed through a heap of previously prepared mixture of ingredients used for a particular article to cause said mixture to be compressed simultaneously into each said tubular mold and thereafter to be manually expressed from all the molds by the said plungers.

2,549,560
SHEET STOCK SUPPORT FOR SHEARING MACHINES
Robert S. Archer, Raynham Center, Mass.
Application May 7, 1949, Serial No. 92,010
3 Claims. (Cl. 164—48)



1. In a shearing machine and in combination, said shearing machine having a vertically reciprocating stock shearing bar; stop means forming a gauge rigidly attached to and moving with said shearing bar at the rear of the machine, a cut stock supporting and delivery table pivoted at one end to said shearing bar, yielding means supporting said table in horizontal position against said stop means during part of the movement of said shearing bar, and tilting means momentarily detaining said table against said yielding means and moving it out of horizontal about its pivot to discharge stock during another part of the shearing bar movement.

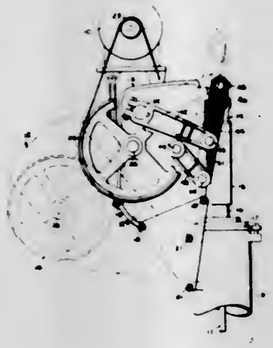
2,549,561
MOTION CONVERTING MECHANISM
John G. Baker, Evansville, Wis., assignor to Baker Manufacturing Company, Evansville, Wis., a corporation of Wisconsin
Application February 26, 1948, Serial No. 11,050
3 Claims. (Cl. 74—42)



1. In a motion converting mechanism, the combination of, a rotary drive wheel, a single C-shaped pitman having an intermediate portion disposed alongside said wheel and having parallel end portions one projecting through and

journaled in the wheel eccentrically of the wheel axis, the other end portion paralleling said axis and projecting across the periphery of said wheel, a sleeve journaled on said second end portion and providing a cylindrical bearing surface thereof, and an arm more flexible than said pitman mounted to swing about an axis paralleling the axis of said wheel and rigidly connected to said sleeve, said arm being axially offset from the longitudinal center of said bearing surface on the side of the center opposite said pitman a distance correlated with the stiffness of said pitman and said arm.

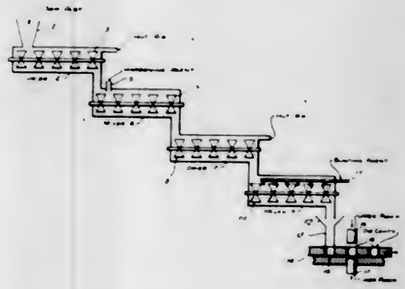
2,549,562
POWER-DRIVEN OPERATOR
John Gordon Baker, Evansville, Wis., assignor to Baker Manufacturi[illegible]npany, Evansville, Wis., a corporation [illegible]consin
Application April 18, 1949, Serial No. 88,180
2 Claims. (Cl. 74—42)



1. In a motion converting mechanism, the combination of, a casing, a rockshaft projecting outwardly through a wall of said casing and journaled therein, power rotated means within said casing coupled to said shaft for rocking the same back and forth, an arm fast on said shaft outside of said casing, a lever fulcrumed intermediate its ends on the free end of said arm to swing about an axis paralleling said shaft, means at one end of said lever for connecting the latter to a part to be reciprocated in a straight line, a rigid link shorter than said arm and pivotally connected at one end to the other end of said lever, and means rigid with said casing wall providing a pivot supporting the other end of said link to swing about an axis paralleling said rockshaft and disposed between the latter and said straight line, the length of said link being correlated with the arm and lever to maintain said connecting means on said straight line during rocking of said shaft.

2,549,563
MANUFACTURE OF MOLDED ARTICLES
Sidney O. Barnstead, Saco, Maine
Application April 17, 1948, Serial No. 21,585
1 Claim. (Cl. 18—47.5)

Method of pressure molding articles from sawdust which comprises: impregnating raw sawdust with an aqueous sodium silicate hardening solution in an amount wherein the percentage of solids to be deposited by the hardening solution does not exceed 60% by weight of the end product article, then drying the thus impregnated sawdust to dry the individual particles thereof and convert them into permanently hard weighted and readily flowable discrete particles, thereafter applying to the thus treated hardened and dried particles a liquid bonding agent capable of forming a permanent bond with the deposited solids of the said hardening solution to form on said discrete particles a coating over



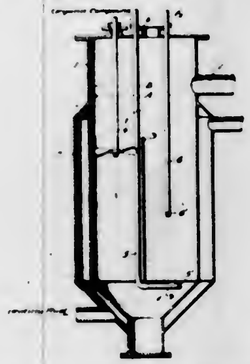
them individually without making them tacky, thereafter introducing the hardening and coated particles into a mold chamber and subjecting them therein to pressure to compact them and cause the bonding agent to permanently bond the hardened particles together in the mold chamber and thus form a permanently hard non-compressible end product.

2,549,564
PROCESS FOR FINISHING NYLON FABRIC ARTICLES
Henry G. Bell, High Point, N. C., assignor to Adams-Millis Corporation, High Point, N. C.
No Drawing. Application October 27, 1948, Serial No. 56,917
5 Claims. (Cl. 28—76)

1. In the process of manufacturing a fabric article comprising synthetic linear condensation polyamide fibres having one type of sizing thereon, the steps of subjecting the article to a liquid bath containing sodium cellulose glycolate, hydrogenated wax and polyvinyl acetate at a temperature of approximately 212 degrees F. while the article is in a substantially loose and unstressed condition and disassociated from any means for predetermining the shape of the article to remove the sizing therefrom and to deposit a different type of sizing thereon and then forming the article into the desired shape and subjecting it to an aqueous medium at a predetermined temperature which is greater than the temperature of the bath to which it has been subjected to set the article in is final shape.

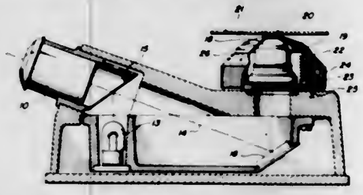
2,549,565
METHOD OF FLUORINATING ORGANIC COMPOUNDS WITH MOLTEN SILVER FLUORIDES
Roland G. Benner, Carneys Point, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 11, 1946, Serial No. 646,945
5 Claims. (Cl. 260—653)

1. The process for fluorinating an organic compound which comprises separately and simultaneously injecting the organic compound and elemental fluorine into a molten mass consisting of from 20% to 70% of silver monofluoride and



from 80% to 30% of silver difluoride maintained at a temperature between 200° C. and 500° C.

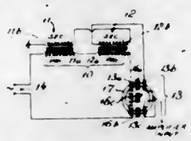
2,549,566
OPTICAL MICROMETER GAUGE
Edward P. Bentley, Roslyn Heights, and George P. Bentley, Garden City, N. Y., assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y., a corporation of New York
Application May 28, 1948, Serial No. 29,794
7 Claims. (Cl. 88—14)



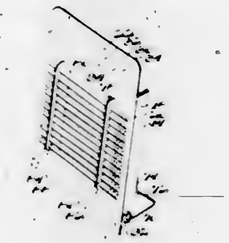
1. An optical thickness gauge for a transparent or translucent material comprising a platen having an aperture against the outer surface of which the material is placed to locate the near surface of said material by physical contact and establish a reference or zero position, an incandescent object within said gauge, means for focusing a reduced image of said object with respect to said platen surface, an eyepiece for magnifying and observing said image, and micrometer means for adjusting the exact position of said image so that it may be brought to a focus upon the far surface of said material, whereby the thickness of said material is indicated by the measured movement from said zero position.

2,549,567
MAGNETIC-TYPE OBJECT DETECTOR
Samuel Berman, New York, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application November 26, 1945, Serial No. 630,913
20 Claims. (Cl. 175—183)

1. In a metal locator adapted to locate the position of metallic particles in body tissue including a pair of transformers having their primaries connected to a source of electrical energy and their secondaries connected in series but opposed, variable balancing means for said secondaries operable to counteract any difference in voltage between the two secondaries either in amplitude or in phase, whereby the output of said secondaries in combination with the output of said balancing means will form a total output of a predetermined amount in the absence of metal adjacent the secondaries and means for amplifying and indicating said total output; the improvement in a sensitivity control system therefor comprising auxiliary means for varying the output of the balancing means with respect to its amplitude, whereby said total output may be caused to deviate from said predetermined amount to impart greater sensitivity of indication in the location of magnetic particles.



2,549,568
DISPENSING DISPLAY CARTON
Hubert Velman Bolding, Jeffersonville, Ind., assignor to The Bradley & Gilbert Company, Louisville, Ky., a corporation of Kentucky
Application July 19, 1948, Serial No. 39,490
2 Claims. (Cl. 206—44.11)

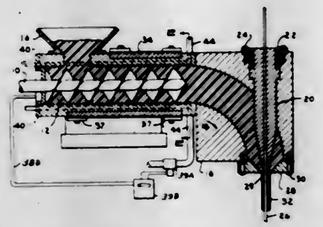


2. A carton formed from a single blank of sheet material for displaying and dispensing elongated articles, said carton comprising front, back and side walls, closures for the top and bottom, an easel support panel connected to the bottom margin of the back wall, said panel being divided by score lines and foldable therealong into a flat section constituting a main support for an adjoining section extending upwardly from the back margin of the flat section into supporting engagement with the back wall of the carton, a display panel integral with one side wall overlying the front wall and extending beyond the bottom margin thereof to support the front wall of the carton above the plane of said flat section constituting the main support, said display panel including portions movable outwardly from the plane of the panel to position articles for display, and aligned openings in the bottoms of the side walls through which articles may be removed.

2,549,569
TEMPERATURE CONTROL DEVICE
Stephen D. Bradley, Detroit, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan
Application April 26, 1948, Serial No. 23,311
6 Claims. (Cl. 18—13)

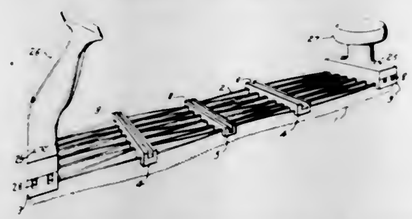
1. In a temperature control means for a plastic fabricating machine, the combination of a conduit for plastic material and having thermally conductive sidewalls, heating means for said

conduit in heat exchange relationship with the outer peripheral portions thereof, cooling means for said conduit and including a plurality of fluid coolant ducts within the body of the sidewalls of said conduit, said fluid coolant duct being positioned in said conduit radially inwardly of said heating means so as to be adaptable to cool the



portions of said conduit which are heated by said heating means, and thermostatically actuated control means for coordinating the heating effect of said heating means and the cooling effect of said fluid coolant to maintain a controlled temperature on the plastic material in response to temperature changes in the sidewalls of said conduit.

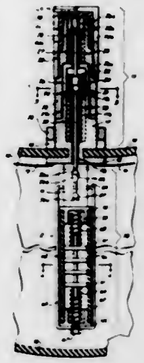
2,549,570
SURFACE CONDITIONING TOOL
Carroll W. Bryan, Dallas, Tex., assignor of one-half to S. Austin Wier, Dallas, Tex.
Application April 9, 1946, Serial No. 660,802
2 Claims. (Cl. 29—78)



1. In a surface conditioning tool, a plurality of saw blades arranged back to back widthwise with their toothed edges in a common plane; keepers arranged across said blades, said keepers being provided with transverse slots receiving the back edges of these blades, and each such keeper having a longitudinal groove crossing the slots therein, and deformities so provided along the back edges of said blades as to secure them in said slots and in said grooves.

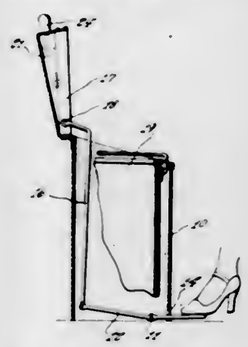
2,549,571
AIR VALVE, RELIEF VALVE, AND PRESSURE SIGNAL FOR PNEUMATIC TIRES
William Addison Caldwell, Leesburg, Tex.
Original application May 18, 1948, Serial No. 27,776. Divided and this application March 30, 1949, Serial No. 84,438
6 Claims. (Cl. 152—418)

1. The combination with a pneumatic tire having an air inlet stem provided with a valve seat, a spring operated valve head engaging the seat and a release rod in said stem cooperating with said valve head and having a radially outer end extending into the tire, of a power member within the tire comprising two relatively movable heads, one of which is positioned in contact with the radially outer end of the air inlet stem, said member being capable of contracting and expanding with changes of air pressure within the tire to vary the position of its movable parts with relation to said valve stem, and means operated by



the movement of said heads and cooperating with the radially outer end of the release rod for actuating it to release the valve head upon the development of an excessive pressure of air in the tire, or a substantial loss of pressure therefrom.

2,549,572
STEP-ON CAN WITH DUSTPAN
Anthony M. Campanelli, New York, N. Y.
Application April 26, 1948, Serial No. 23,218
1 Claim. (Cl. 220—41)



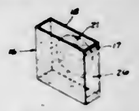
A combined can container and dust pan cover comprising a main container portion having an open top, a cover frame hinged along the rear upper edge of the container portion, said frame extending about the top of the container portion, a dust pan releasably secured to the top of the cover frame in an inverted manner, said cover frame having inwardly facing grooves on the opposite sides thereof, said dust pan having laterally extending flanges on the opposite side edges flanged outwardly to be slidably received in the grooves whereby to secure the dust pan to the cover frame, said dust pan having a front portion with a handle extending outwardly therefrom and said handle serving as means by which the dust pan can be separated from the cover frame and from the grooves thereof, said handle also serving as a lift when the dust pan is in place within the cover frame, to lift the cover frame and the dust pan from the top of the main container portion.

2,549,573
GAFF
Vivian E. Clark, Forest Grove, Oreg.
Application November 15, 1946, Serial No. 710,059
1 Claim. (Cl. 287—99)



A folding gaff comprising two elongated hinge halves, pivotally connected adjacent, but spaced from, the ends thereof, one half serving as a handle and the other half carrying a hook, a spring urged annular keeper slidably mounted upon one half and adapted to overlie and encircle the other half when said halves are in substantial alinement, the butt end of said handle half having an elongated slot formed therein for accommodating and shielding the point of the hook on the other half, said slot terminating in a slight declivity at its inner end to engage and hold said point against inadvertent retraction therefrom.

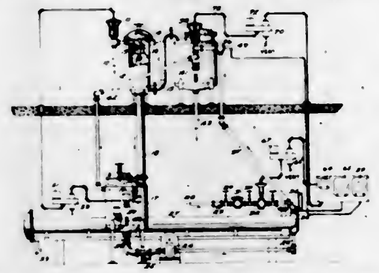
2,549,574
APPARATUS FOR MAKING FLUOROPHOTOMETRIC MEASUREMENTS
Howard Lee Condiff, St. Paul, Minn., assignor to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware
Application July 8, 1948, Serial No. 37,566
4 Claims. (Cl. 88—14)



1. An improved fluorometric cell comprising a light transparent container having spaced oppositely disposed walls of transparent material, a mirror coating on the exterior of said walls, one light window through said coating for allowing a light beam to be directed into the cell and a viewing window through said coating out of alignment with the first window through which photoelectric measurements can be taken of the light conditions within the cell.

2,549,575
APPARATUS FOR THE CONTINUOUS TREATMENT OF LIQUIFORM COMESTIBLES
Weld E. Conley, Jr., Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 12, 1947, Serial No. 754,096
2 Claims. (Cl. 99—252)

1. Apparatus for the continuous sterilization of flowable comestibles containing a vaporizable constituent which comprises a tall vertical receiving and vapor-liquid exchange column, liquid-spray distributing means in the upper portion of said column for spraying the comestible thereinto, a liquid-holding vessel connected with the lower end of said column and into which the comestible discharges and in which it collects, a heat-exchanger arranged for the passage therethrough of said comestible in indirect heat-



exchange with a heating medium, means for moving said comestible from the holding vessel into and through said heat-exchanger, a vapor-releasing vessel into which the heated comestible is discharged from the heat-exchanger with concomitant liberation of vapor of the vaporizable substance therefrom, and means for conducting the vapor thus formed into said vertical vapor-liquid exchange column in interceptive relationship with the spray of incoming comestible.

2,549,576
PENTACHLOROTHIOLANE AND METHOD FOR PRODUCING THE SAME
Harry L. Coonradt, Woodbury, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 14, 1948, Serial No. 27,147
8 Claims. (Cl. 260—332.5)

1. As a new composition of matter, 2,2,3,4,5-pentachlorothiolane.

2,549,577
TWO-PIECE ELECTRICAL CONNECTOR
William J. Coyle, Waltham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 30, 1948, Serial No. 57,523
1 Claim. (Cl. 173—269)



A contact element including a cup-shaped sheet metal member and a resilient member disposed within said cup-shaped member, said cup-shaped member including a tubular wall portion, a substantially hemispherical shaped end wall portion extending outwardly at one end of said tubular wall portion the terminal end of said end wall portion being curled inwardly and defining a centrally disposed lead wire-receiving opening, an inwardly and reversely curled flange at the other end of said tubular wall portion defining a stud-receiving opening, said flange being spaced inwardly from said tubular wall portion, said re-

silient member including a central body portion disposed adjacent said curved end wall portion of said cup-shaped member and a plurality of leg elements extending from the peripheral edge of said central body portion and spaced circumferentially about the interior of said tubular portion, said leg elements providing contact portions substantially parallel to the axis of said tubular portion for engaging a stud which may be inserted therein and angularly disposed outwardly extending attaching end portions engaged between said curled flange and the interior of said tubular wall portion.

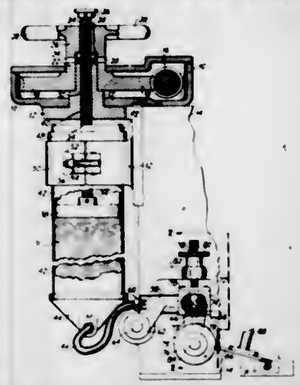
2,549,578
MAGNETOSTRICTIVE CONVERTER TIME DELAY DEVICE
Leslie F. Curtis, Haydenville, Mass., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 30, 1947, Serial No. 794,626
3 Claims. (Cl. 178—44)



1. A magnetostrictive time-delay signal-translating device comprising: a magnetostrictive converter including a plurality of magnetostrictive elements arranged in parallel-excitation relation with the terminal portions of said elements at one end of said converter displaced with respect to one another along the path of stress-wave propagation; an excitation winding coupled magnetically with said converter for simultaneously establishing a stress wave in each element thereof for propagation therealong; and an induction winding coupled magnetically with said converter for deriving, in response to the propagation of stress waves along said elements, a desired induced signal and an undesired ringing component following said desired signal; the displacement of said terminal portions of said elements being uniform and so selected relative to the duration and wave form of the stress wave established in said elements that reflections of said stress wave at said terminal portions induce in said induction winding a succession of similar and at least partially mutually cancelling delayed signals; said excitation winding being so displaced from the terminal portion of one of said elements at said one end of said converter that reflections of said stress wave at said terminal portion induces in said induction winding a delayed signal substantially in time coincidence with but of opposite polarity with respect to said undesired ringing component for at least reducing the amplitude of said undesired ringing component.

2,549,579
PASTER FOR CIGARETTE MAKING MACHINES
George Dearsley, Scarsdale, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application July 9, 1949, Serial No. 103,853
11 Claims. (Cl. 91—49)

11. In a cigarette making machine, a paste receiving wheel having a concave surface, a nozzle having a convex surface adapted to ride in contact with said paste receiving wheel, a mounting for preventing said nozzle from twisting while maintaining said nozzle free for lateral move-



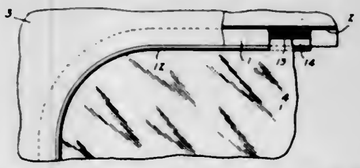
ment across the plane of rotation of said marble wheel, and means for urging said nozzle against the concave surfeace of said marble wheel.

2,549,580
ACYCLIC POLYFLUORINATED OLEFINS AND A PROCESS FOR THEIR PREPARATION
George H. Denison, Jr., Berkeley, and Alfred Goldschmidt, Oakland, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 28, 1946, Serial No. 680,084
15 Claims. (Cl. 260—653)

1. An acyclic normally liquid polymer having an ethylenic linkage, the monomeric units of said polymer consisting of fluorinated aliphatic olefin material free from monofluorinated carbon atoms and having at least one polyfluorinated carbon atom and three to nine carbon atoms.

11. The process of preparing a liquid polymer from fluorinated aliphatic olefin material free from monofluorinated carbon atoms and having at least one polyfluorinated carbon atom and 3 to 9 carbon atoms, which comprises subjecting said fluorinated olefin material in a reaction zone to a temperature ranging from about 100° F. to about 250° F. in the presence of a peroxy catalyst and a mutual solvent for said catalyst and said olefin, said polyfluorinated olefin being the sole polymerizable material in said reaction zone.

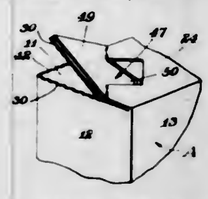
2,549,581
WIRE REINFORCED WINDOW CHANNEL
Howard M. Dodge, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 22, 1948, Serial No. 50,450
5 Claims. (Cl. 296—44.5)



3. A bendable window channel comprising a woven body in the form of a strip bent along longitudinal lines to channel shape and having a longitudinal strand along each of its edges,

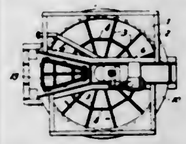
wire weft strands closely spaced and disposed at substantially right angles to said edge strands, closely spaced warp strands of textile material interwoven with said weft strands in the bottom portion of the channel only and across the major portion of the width of said bottom portion, a fabric covering adhesively secured to said woven body, and bendable metal bead of channel form crimped over said edge strands.

2,549,582
OPENING MEANS FOR REGULAR CARTONS
Robert M. Dunning, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application August 21, 1947, Serial No. 769,798
8 Claims. (Cl. 229—17)



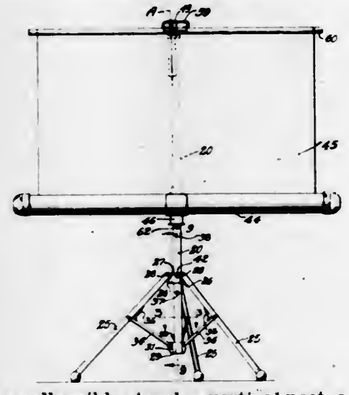
1. An opening means for a carton having side walls connected in tubular relation and a top closure comprising a series of laminations, said opening means including a triangular tab portion forming a part of said closure, two sides of said triangular tab portion being defined by adjacent sides of said top closure; the third side of said triangular portion being partially defined by a pair of spaced aligned fold lines, and a tab portion on said triangular tab portion extending on the opposite side of said fold lines from said triangular tab portion and connecting the spaced ends of said aligned fold lines, said last named tab portion being foldable to one side the plane of said closure when the triangular portion folds to the other side of the plane of said closure.

2,549,583
REGENERATIVE HEAT EXCHANGING APPARATUS
Charles Ernest Holland Eckersley, Newlands, Glasgow, Scotland, assignor to The Air Preheater Corporation, New York, N. Y.
Application July 21, 1947, Serial No. 762,522
In Great Britain May 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1964
4 Claims. (Cl. 257—6)



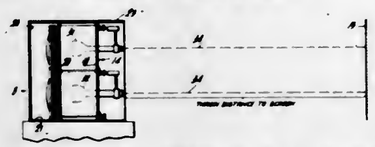
1. In a regenerative heat exchange apparatus having passages for a heating gas and air or other gaseous fluid to be heated, ducts for supplying hot gas and relatively cool air thereto, and a cylindrical rotor interiorly divided by radially extending partitions into sector shaped compartments carrying regenerative material adapted to be moved first through the gas passage and then into the air passage; a housing extending around said rotor; sector plates closing the ends of said housing and formed with a pair of circumferentially spaced openings communicating with said ducts for enabling the flow of gas and air through said rotor with another aperture located intermediate said openings having a circumferential extent corresponding substantially to the width of a sector shaped compartment; and access doors for said apertures hinged to said sector plates at opposite ends of the rotor to permit access to said regenerative material in a rotor compartment while the gas and air flow through other rotor compartments and without any need for entering either said gas or air duct.

2,549,584
MOTION-PICTURE PROJECTION SCREEN STAND
Harry E. Eller, Chicago, Ill.
Application January 14, 1947, Serial No. 721,949
4 Claims. (Cl. 160—24)



1. In a collapsible stand, a vertical post, a member mounted on and slidable lengthwise of the post, legs hinged at their upper ends to said member, struts hinged at their lower ends to the post below said member and at their upper ends to said legs at points spaced apart from both ends of each leg, and spring means tending constantly to move said member downward on said post, said spring means comprising tension springs each connecting a strut and the corresponding leg to cause the stressing of the springs to increase as the slidable member moves upward on said post.

2,549,585
MULTIPLE TELEVISION PROJECTOR
David W. Epstein, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1947, Serial No. 744,715
5 Claims. (Cl. 178—5.4)



1. A projector for superposing a plurality of images in accurate register to be viewed as a single image by an observer, comprising a plurality of projector units, each unit having a luminous image source, deflectable means for producing a bi-dimensional luminous image, deflecting means for producing deflection of said deflectable

means, optical means in each projector for providing a projected focussed image, means in each projector for effecting a focusing adjustment for said optical means, and means independent of said focus adjusting means for adjusting the position of said deflecting means with respect to the deflectable means of said image producing device.

2,549,586
SEPARATION OF HYDROCARBONS WITH KETO ESTERS

Theodore W. Evans, Oakland, and Rupert C. Morris, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 17, 1945, Serial No. 629,320
4 Claims. (Cl. 183—115)

3. A process for the separation of a diolefin from a hydrocarbon mixture containing said diolefin and a mono-olefin having the same number of carbon atoms per molecule as said diolefin which comprises contacting said mixture with liquid methyl acetoacetate to selectively dissolve said diolefin, separating the residual undissolved hydrocarbon from the liquid solution containing the dissolved diolefin, and recovering the diolefin from said last-mentioned liquid solution.

2,549,587
PROCESS FOR CONCENTRATION OF ACETIC ACID

Jaroslav Fiala, Batizovce, and Tomáš Ždichynec, Zlin, Czechoslovakia, assignors to "Bata, Narodni podnik," Zlin, Czechoslovakia

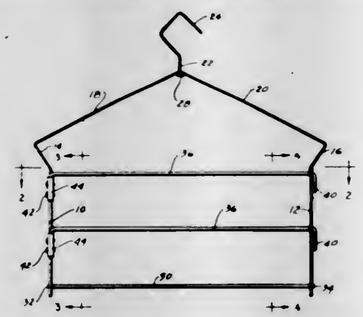
No Drawing. Application March 6, 1947, Serial No. 732,940. In Germany October 17, 1941
6 Claims. (Cl. 260—541)

1. Method of increasing the concentration of acetic acid containing water by mixing the same with ethylidendiacetate and heating the thus obtained mixture.

2,549,588
CLOTHES HANGER

Frank Fillenbaum, New York, N. Y.

Application July 16, 1947, Serial No. 761,263
1 Claim. (Cl. 223—88)

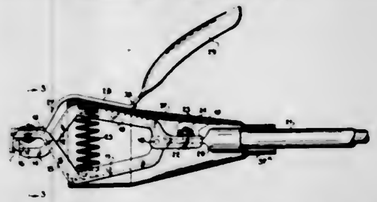


A clothes hanger comprising in combination, a frame member having depending vertical sides extending into an upper cross member, a U-shaped member mounted on one of said sides, the arms of said U-shaped member secured to the said last mentioned side and extending therefrom at right angles thereto to space the base of the U-shaped member outward from said side and thereby form a receiving pocket open at the upper and lower ends thereof, the other of said sides having a slot open at the said second mentioned side, said opening positioned in line with the upper opening of the pocket, said slot extending downward from the opening thereto at an inclination to the last mentioned opening and terminating at the upper open end of the U-shaped member, and a removable cross member terminating at each side in a downwarding extending element, one of said elements removably mounted in the pocket formed by the U-shaped member and the said cross member removably mounted in said slot with the other element extending downward on the outside of the said second mentioned side, the open upper end of the U-shaped member and the termination of the slot in the second mentioned side in line with each other whereby the said cross member assumes a horizontal position in the closed hanger.

2,549,589
ELECTRICAL CONNECTING CLIP

Alfred A. Flynn, Cleveland Heights, Ohio, assignor to Mueller Electric Company, Cleveland, Ohio, a partnership

Application June 8, 1948, Serial No. 31,692
4 Claims. (Cl. 173—273)



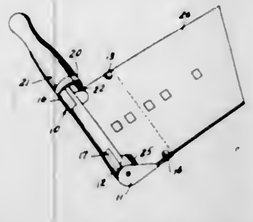
1. In an electrical connection clip of the type including two cooperating members, means adjacent one end of said members pivotally interconnecting the same, said members having divergent portions extending from said one end and crossed portions adjacent the opposite end of said members and integral with said divergent portions, said crossed portions being provided at their outer ends with integral jaws, and spring means interposed between said divergent portions and acting to maintain said jaws normally closed; the improvement which comprises a handle having an attaching portion secured to a jaw of one of said members and a fulcrum portion spaced from said attaching portion and located adjacent the divergent portion of the other of said members and which fulcrum portion is brought into temporary contacting engagement with the divergent portion of said other of said members when the operator grasps the handle and clip and moves the same relatively toward each other to open said jaws.

2,549,590
MONEY WRAPPING DEVICE

Ernest Fortier, Three Rivers, Quebec, Canada

Application September 26, 1947, Serial No. 776,242
1 Claim. (Cl. 93—2)

In a money wrapping device, a guide plate, lugs on said guide plate, arcuately shaped walls extending upward from the rear portion of said guide plate and being integral therewith, a channel member fixedly secured on the under side of said guide plate, a sliding holder supported in said channel member, a movable end holder secured on said sliding holder and extending over one edge of said guide plate, a handle secured on said guide plate, a shank extending inward from said handle, said shank and said movable end holder being suitably spaced apart and in alignment with respect to one another, said guide plate holding a money wrapper suitably held in position thereon by said lugs and adapted to be inserted between said arcuately shaped walls and said movable end holder and said shank, a portion of



the money wrapper following the contour of said arcuately shaped walls thus facilitating the juxtaposition and rolling of coins therein, and said movable end holder being removed from said guide plate thus releasing the money wrapper and the coins therein and permitting the money wrapper to be folded in on each end thereof.

2,549,591
DRY SHAVER

Emile Gagnan, Montreal, Quebec, Canada

Application February 2, 1948, Serial No. 5,800
In France February 4, 1947
6 Claims. (Cl. 30—43)



1. In a dry shaver, a casing having an aperture in the bottom thereof, a foraminous grid covering said aperture, a cover slidably mounted on the edges of the casing to reciprocate longitudinally with respect thereto, a carriage member secured inside said cover, and a plurality of inclined knives mounted on the carriage and movable therewith in contact with the inside face of the grid.

2,549,592
GARMENT FASTENING MEANS

Louis Ganz, Lynbrook, N. Y.

Application April 8, 1948, Serial No. 19,659
1 Claim. (Cl. 2—96)

A coat construction having front panels adapted to overlap one another to bring the front panels about the body of the wearer, the overlapping panel comprising an inner facing strip adjacent the edge thereof and an inner lining extended thereunder, fastener elements on the underneath panel and spaced from the edge thereof, said fastener elements being located at the top of the panel, cooperating fastener means on the other panel adapted to engage the fastener elements whereby to hold the panels over the chest of the wearer, a slide fastener element connected to the edge of the panel having the fastener elements spaced from the edge thereof and immediately therebelow, a second slide fastener element for cooperation therewith connected to the opposite panel spaced from its edge thereof and inwardly of the fastening means thereupon, each of said fastener elements comprising engaging teeth combined with a tape member by which the element is attached to the garment, the engaging teeth of the second slide fastener element facing inwardly of the coat opening and the tape member being secured between the facing member and outer panel, said

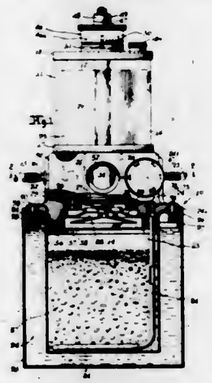


slide fastener elements adapted to be closed by a slide acting from the top of the slide fastener elements and moved downwardly, said slide fastener elements adapted to secure the coat panels together over the front of the wearer and to seal the same together at that region thereof so as to prevent the passage of air between the overlapped front panels of the coat.

2,549,593
METHOD AND APPARATUS FOR VAPORIZING ANESTHETIZING LIQUIDS

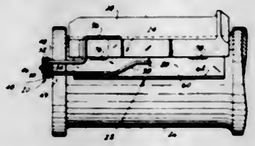
Clyde B. Gardenier, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application February 6, 1946, Serial No. 645,783
10 Claims. (Cl. 261—12)



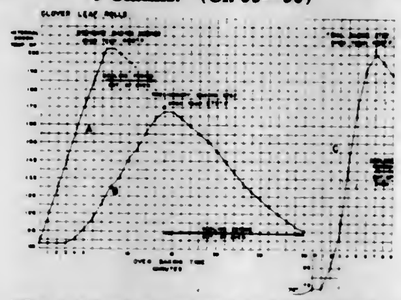
10. An anaesthetizing device comprising a vaporizing chamber, means for blowing a stream of air through said chamber, means for feeding a volatile anaesthetizing liquid into said chamber including means for distributing liquid through said air stream, and a porous mass within said chamber and responsive to contact of said liquid therewith for producing an immediate heat in said chamber throughout said air stream.

2,549,594
JOURNAL WIPER
William M. Gewin, Dupo, Ill.
Application December 17, 1945, Serial No. 635,478
13 Claims. (Cl. 308—89)



1. A journal wiper comprising wiper blades and a support for said wiper blades, and means pivotally connecting said wiper blades to said support for ready removal, said wiper blades being maintained by said connecting means on said support against removal when in one position relative thereto and being readily removable from said support when disposed at a position substantially 90° to the aforesaid position, said wiper blade connecting means including a keyhole slot in each of the wiper blades and a complementary receiving member for each slot as part of said support.

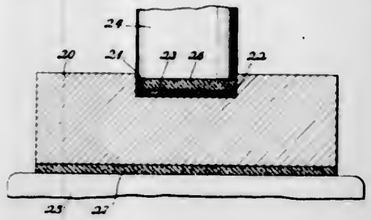
2,549,595
PROCESS OF PREPARING BAKED FOOD PRODUCTS
Joseph A. Gregor, Avon Park, Fla., assignor to General Mills, Inc., a corporation of Delaware
Application September 29, 1949, Serial No. 118,566
9 Claims. (Cl. 99—90)



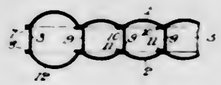
1. The method of preparing baked food products which comprises preparing a dough comprising flour, sugar and water, baking the dough until gelatinization of the starch is complete, adjusting at least one baking condition selected from the group consisting of initial dough temperature, oven temperature, baking time, dough absorption and dough thickness and thereby delaying external browning of the dough until the starch gelatinization is complete, and discontinuing the baking before substantial caramelization of the sugar in the crust takes place.

2,549,596
BERYLLIUM TARGET AND METHOD OF MANUFACTURE
Joseph G. Hamilton, San Francisco, Thomas M. Putnam, Oakland, and Jacob H. Wiens, Redwood City, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application October 8, 1946, Serial No. 701,907
7 Claims. (Cl. 313—330)

1. In a method of forming a target for bombardment by a high energy beam and including a beryllium target material bonded to a body formed of copper, the steps which comprise positioning a body of said beryllium target material on a body of copper and separated therefrom by a granulated layer composed of an alloyable mixture of copper and beryllium, and bonding said two bodies together by applying high pressure to said bodies across said layer and heating said layer to the flow point of said mixture.



2,549,597
INFLATABLE MATTRESS FOR CRIBS AND THE LIKE
Herschel G. Harris, New York, and Edwin S. Davis, Hopewell Junction, N. Y., assignors to New York Rubber Corporation, New York, N. Y., a corporation of New York
Application March 10, 1948, Serial No. 13,988
3 Claims. (Cl. 5—348)

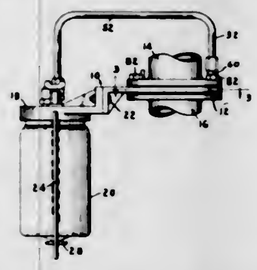


1. An inflatable box-like mattress composed of flexible material and comprising, a top member, a bottom member, side members, end members, and longitudinal internal stay members extending from the top member to the bottom member, said members being secured together in airtight union, said stay members being of substantially the same height as said side and end members, those portions of the top and bottom members extending from the side members to the adjacent stay members exceeding in area the space between each side member and its adjacent stay member whereby, when the mattress is inflated, its longitudinal side portions will be greater in vertical dimension than its intermediate portion, the perimetrical portion of the mattress, formed of the side and end members, being of substantially uniform height throughout.

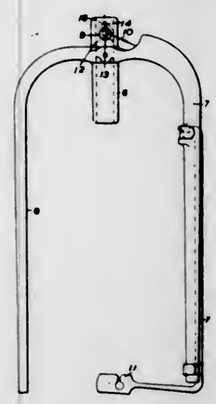
2,549,598
FUEL MODIFYING DEVICE FOR INTERNAL-COMBUSTION ENGINES
Sidney A. Harris, Flint, Mich.
Application February 4, 1949, Serial No. 74,610
2 Claims. (Cl. 123—196)

1. In a fuel modifying device for internal combustion engines, the combination of a supporting bracket member having one end thereof apertured and shaped to be interposed between the carburetor and the intake manifold of an internal combustion engine, a closed transparent vessel suspended from the opposite end of the bracket member and containing an oil content in liquid

state therein, conduit means for passing air through the oil content of the vessel and for delivering the resulting mixture of air and oil to said first mentioned end of the bracket member in offset relationship to the aperture thereof, a passage in said first mentioned end of the bracket member communicating with said conduit means and with said aperture and adapted to deliver the oil and air mixture through a wall of said aperture and into the fuel flowing between the carburetor and the intake manifold, a rotary valve in said passage for regulating the amount of oil and air mixture passing therethrough, a thermostatic blade secured at one end to said bracket member and adapted to flex out of its normal plane in response to temperature changes, and means operatively connecting the opposite end of the thermostatic blade to the valve member for rotating the latter in response to temperature changes.



2,549,599
FLIER FOR TEXTILE MACHINES
Walter Hartley, Radcliffe, England
Application October 14, 1949, Serial No. 121,243
In Great Britain May 28, 1949
1 Claim. (Cl. 57—115)

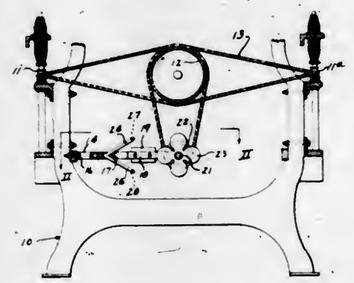


In a socketed flyer for textile spinning machines, a plate disposed diametrically within the central bore of the flyer socket, said plate having an opening at its center portion through which the roving is passed before it passes out of the socket, the top edge of said plate being externally rounded at central portion thereof thereby to impart to the roving a greater degree of twist as it passes from the flyer socket.

2,549,600
SYNTHESIS OF 5-(2-THENOYL)PENTANOIC ACID FROM THIOPHENE, ADIPYL CHLORIDE AND SILICA-ALUMINA CATALYST
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 7, 1946, Serial No. 688,966
2 Claims. (Cl. 260—332.3)

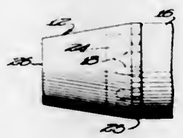
1. In a process for synthesizing 5-(2-thenoyl) pentanoic acid, the step comprising the reaction of thiophene and adipyl chloride in the presence of a silica-alumina catalyst.

2,549,601
DUST AND LINT BLOWER FOR SPINNING FRAMES
Luther Y. Herren, Fayette, Ala.
Application January 18, 1950, Serial No. 139,289
6 Claims. (Cl. 57—56)



1. In a dust and lint blower for spinning frames having a driven cylinder and a spindle, a supporting bracket rigidly secured to the lower portion of the frame, an arm pivotally mounted to the bracket and extending inwardly of the spinning frame, a fan having a pulley operatively connected thereto and mounted for rotation on the arm, and a flexible drive member passing around said spindle, cylinder, and pulley.

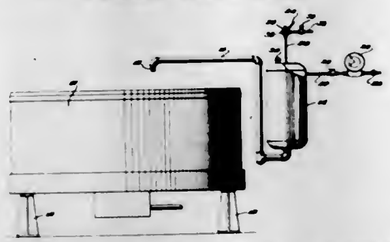
2,549,602
APPLICATOR FOR ION TRAPS
Lewis Hopps, Darien, Conn., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1949, Serial No. 119,132
1 Claim. (Cl. 250—161)



An applicator for mounting spring supported assemblies on the neck of a cathode ray tube having circularly arranged contact prongs, said applicator comprising a one-piece member having frustoconical wall portion and a joining cylindrical wall portion extending from the larger diameter end of said frustoconical portion, there

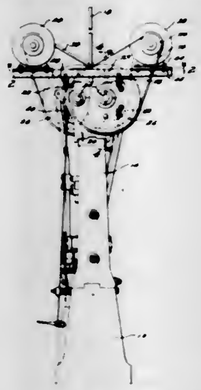
being a cylindrical recess concentric with said cylindrical wall portion in the adjacent end of said member of such depth and diameter as to snugly receive the prongs of said tube.

2,549,603
METHOD OF MULLING MATERIAL
Walter Horth, Wilmette, Ill., assignor, by mesne assignments, to Herbert S. Simpson, Evanston, Ill., as trustee
Application April 12, 1949, Serial No. 87,069
1 Claim. (Cl. 22—217)



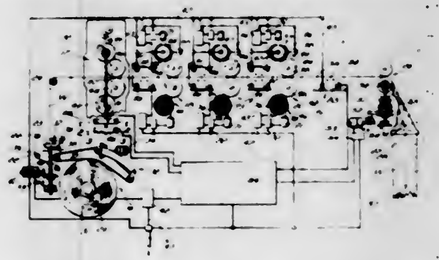
In a method of mulling, in a crib, foundry sand, including sand grains and bonding material, to conditions and develop rapidly bond strength in the sand, the steps of delivering a given batch of sand to the crib, mulling the sand, discharging a given quantity of metered liquid, coordinated with the size of the batch of sand, to a confined storage area in proximity to and positioned to discharge its contents into the crib, displacing and venting the air from said area by the incoming metered liquid, closing the vent of said area and delivering air under pressure directly to the top of said area above the column of liquid therein, and controlling the pressure of such air delivered to the area for forcing the liquid out through the discharge of the area rapidly into the crib at a controlled rate and contemporaneous with the mulling of the sand, whereby to minimize dust development in the sand.

2,549,604
DRIVE FOR FORGE HAMMERS
Thomas W. Howlett, Detroit, Mich., assignor to Letts Drop Forge, Inc., Detroit, Mich., a corporation of Michigan
Application September 7, 1946, Serial No. 695,434
23 Claims. (Cl. 74—216.5)



1. In combination with a forge hammer of the type having a pair of driven pulleys at opposite sides thereof, a platform; motors equipped with drive pulleys and mounted on said platform; endless belts connecting the drive and driven pulleys; and means providing a free-floating mounting for the platform adapted to relieve the motors of shock which occurs during operation of the hammer and to equalize automatically tensions in said belts, said mounting including a spring suspension wherein certain springs are arranged to urge the platform in a direction to tauten the endless belts and other of said springs are arranged to resist movement of the platform in the opposite direction, said springs collectively positioning the platform to maintain the belts normally taut and automatically operative to maintain the tensions of the belts substantially equal.

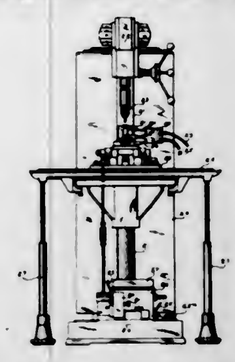
2,549,605
REGISTER CONTROL DEVICE FOR WEB PRINTING MACHINES
William F. Huck, Forest Hills, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application April 16, 1945, Serial No. 588,438
9 Claims. (Cl. 101—181)



1. In a multi-color web fed printing machine comprising a web feeding mechanism having a web tensioning mechanism, a plurality of individual printing units for successively printing a plurality of colors on the web, the first printing unit being arranged to print a succession of register marks, and a web propelling roller arranged to receive and forward the web after it has been printed by the other printing units; mechanism timed with the register marks at the first printing unit, a light sensitive cell for viewing the register marks on the web at a point between the last printing unit and the web propelling roller, and means actuated by the light sensitive cell for controlling the web tensioning mechanism and the web propelling roller the said means being arranged to increase the tension exerted on the web by the tensioning mechanism and web propelling roller when the register marks are delayed in reaching the point viewed by the light sensitive cell and decreasing the tension when the register marks reach this point prematurely, whereby a constant length of web will be maintained between each register mark passing the timed mechanism and a register mark then passing the said light sensitive cell.

2,549,606
MACHINE TOOL
Thomas J. Hudson, South Euclid, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application June 20, 1945, Serial No. 600,598
17 Claims. (Cl. 10—129)

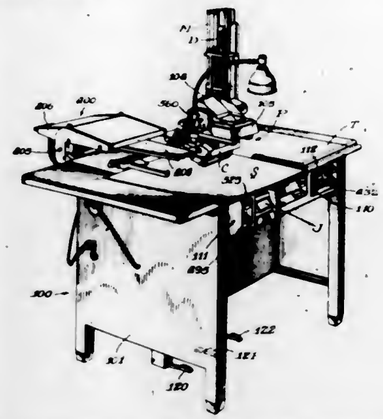
1. In a machine tool having a work supporting table and a rotating tool spindle relatively movable axially toward and away from said table; a housing connected with said table and normally axially aligned with said spindle but movable on said table to a misaligned position, work gripping means carried by said housing and movable therewith relative to said table and adapted to grip a work piece when said housing is in normal spindle aligned position, fluid operated means carried by said housing for actuating said work gripping means, and valve means for controlling said fluid operated means; a manually operated member, mechanical operative connections between said member and said housing for moving the latter from its normal spindle aligned



position to said misaligned position when said member is moved in one direction, spring means supported by said table and operatively associated with said housing and said operative connections for moving said member in the opposite direction and for moving said housing from misaligned position to normal aligned position, and operative connections between said member and said valve means for actuating the latter during said movement of said member in one direction to effect release actuation of said work gripping means and to actuate said valve means during said movement of said member in the opposite direction to effect work gripping actuation of said work gripping means.

2,549,607
CYCLIC CONTROL MEANS IN SELECTIVE PRINTING MACHINES
Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application November 8, 1946, Serial No. 708,784
14 Claims. (Cl. 101—58)

1. In a printing machine through which groups of lead and follower printing devices may be passed in a step by step manner such that the printing devices come to rest successively at printing position in the machine, impression means operable to produce printed impressions from such printing devices at printing position, each of said lead printing devices of each of said groups thereof having identifying means positioned thereon in an identifying position indicative of the number of printing devices in its respective group, lister mechanism associated with said machine and adapted to impart spacing movements to a sheet with respect to printing position in the machine, stop means for stopping the operation of said machine, selector mechanism embodying sensing means for sensing the identifying means of the printing devices, said selector means being constructed and arranged to sense such identifying means on a lead printing device to determine the number of printing devices included in each group, sensing means associated with said lister to sense the number of lines remaining on each sheet, comparing means operable under the joint control of both of said sensing means to compare the same with the number of printing devices in the next group of printing devices from which impressions are to be made, and means operable under control of said comparing means upon said stop means to stop said machine when the number of lines remaining on the sheet is insufficient to receive the impressions from all of the printing devices of the next group.



8. In a printing apparatus having a plurality of operative mechanisms and through which groups each consisting of a lead printing device and varying numbers of related follower printing devices may be passed in a step by step manner to printing position in the machine, the lead printing device of each of said groups thereof having identifying means positioned thereon in a selected identifying position indicative of the number of printing devices in its group, independent cyclic control means for each size of group which may be passed through the printing apparatus, and each operable to control said operative mechanisms of the apparatus for a number of machine cycles related to the number of follower printing devices included in the size of group to which it is allocated, operating means selectively settable in different control positions to actuate any selected one of said cyclic control means, sensing means for sensing the identifying means on said printing devices, means governed by said sensing means to set said operating means in different control positions to operate the cyclic control means selectively in accordance with the identifying means sensed by said sensing means, and other control means for one of said mechanisms arranged for actuation by operating means only when said operating means are set in still another position.

2,549,608
HAND WEEDING AND CULTIVATING TOOL
Hubert K. Johnson, Southport, Conn.
Application June 7, 1947, Serial No. 753,213
2 Claims. (Cl. 97—63)

1. In a horticultural device, a ground-engaging plate; headed tines attached to said plate, the heads of which are arranged on progressively increasing radii from a point within said plate;

and barbed inner portions on each head, the adjacent barbed inner portions of adjacent heads



intersecting a common line radiating outwardly from a point within said plate.

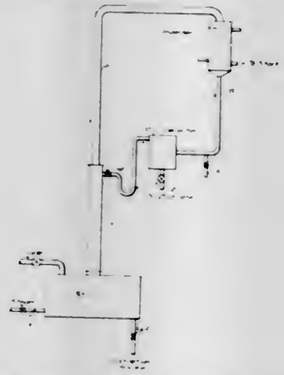
2,549,609

SEPARATION OF FLUORINATED HYDROCARBONS BY DISTILLATION WITH HYDROGEN FLUORIDE

Kenneth C. Johnson, Claymont, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 27, 1944, Serial No. 560,700

9 Claims. (Cl. 202—42)



1. The method of separating a mixture of fluorinated hydrocarbons having the same carbon skeleton containing from five to twelve carbon atoms but differing from one another in the relative numbers of hydrogen and fluorine atoms in the molecule, which comprises subjecting the mixture to fractionation in admixture with sufficient hydrogen fluoride to provide an overhead product comprising a hydrogen fluoride liquid phase.

2,549,610

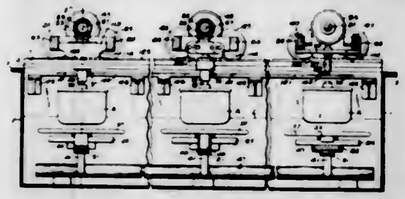
METHOD OF ELECTROPLATING

James M. Kennedy and Harold J. Lee, Rome, N. Y., and Arthur P. Knight, deceased, late of Rome, N. Y., by Norine R. Knight, executrix, Rome, N. Y.; said Kennedy, Lee, and Arthur P. Knight assignors to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

Original application November 23, 1945, Serial No. 630,266. Divided and this application November 7, 1947, Serial No. 784,562

2 Claims. (Cl. 204—25)

1. The method of electrodepositing, on the bottom and contiguous lower side wall exterior surfaces of revolution of a cooking vessel, a copper coating which, on the side wall surface, is of progressively decreasing thickness as its upper edge portion is approached and merges as its upper edge into said surface, which method comprises electrodepositing the coating in successive steps, each for electrodepositing a thin layer of copper on said surfaces, by immersing only the bottom and lower side wall portions of the vessel in an electrolyte with its bottom opposed to an anode and with its axis positioned vertically, progressively decreasing the depth of immersion of the vessel for said steps, during each step axially rotating the vessel for drawing a film of



electrolyte up the side wall surface above the level of the contiguous electrolyte a distance which is greater than the decrease in the depth of immersion of the vessel from the immediately preceding step and is less than the total decrease in immersion for the total number of steps, whereby the portions of the copper layers electrodeposited on the portions of the side walls in contact with said films during successive steps overlap, as do likewise the portions of said layers electrodeposited on the portions of said side walls below said films, with the upper edges of those portions of said layers at progressively decreasing distances from the bottom of the vessel.

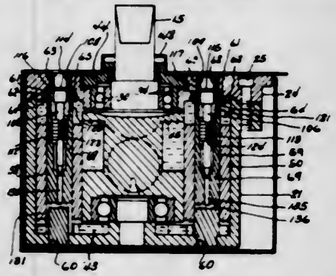
2,549,611

DOOR CHECK AND CLOSER

Andrew E. Kunzl, Marshall, Mich., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application August 21, 1947, Serial No. 769,912

3 Claims. (Cl. 16—55)



1. In a door check structure, a casing having vertically aligned bearings therein and having upper and lower walls, a hinge spindle rotatable in said bearings and said spindle having a cam track disposed along the outer circumferential portion thereof, means for holding the spindle against axial displacement in the casing, said cam track having lower cam areas and upper cam areas, a pair of spaced upright posts anchored in stationary positions in the upper and lower walls of the casing, a block surrounding the spindle and being axially slidable in non-rotatable relation upon the upright posts, said block

having thereon cam followers projecting inwardly from opposite directions onto the cam track and normally resting in the lower cam areas, anchoring means securing said followers on the block, a series of resilient members confined under compression between the upper sides of the block and the upper wall of the casing and yieldably resisting movement of the cam followers from the lower cam areas to the upper cam areas in response to turning of the spindle in its bearings.

2,549,612

INKSTAND

Francisco Lago, Livingston, N. Y.

Application August 17, 1946, Serial No. 691,215

1 Claim. (Cl. 120—4)



In a device of the class described having a base with an open topped hollow tubular portion extended upward therefrom, a receptacle for containing ink positioned within the tubular portion, and a hollow cover portion closing the top of the tubular portion, said cover portion being hingedly connected to the tubular portion to be pivoted to a downwardly and rearwardly inclined position to receive the nib of a pen, said receptacle being formed at its side adjacent the point of pivotal attachment of said cover portion with an upwardly extended portion projected above the top of the tubular portion, said upwardly extended portion having a recess in its top edge, whereby when said cover portion is pivoted to its rearwardly inclined position a pen can be supported in a forwardly and upwardly inclined position with its nib resting in said cover portion and its holder resting in said recess.

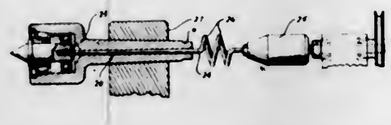
2,549,613

FREE CENTER FOR THE TAILSTOCK OF A LATHE

John W. Lee, Dayton, Ohio

Application August 30, 1948, Serial No. 46,769

6 Claims. (Cl. 82—33)



1. A free center comprising a shell having means whereby it may be mounted on a support and having in the forward portion thereof a forwardly flared annular bearing surface, a centering element extending into said shell, a bearing member rigid with said centering element, antifriction elements between said bearing member and said flared bearing surface, a rear bearing for said centering element comprising a bearing member secured to said centering element for axial movement therewith, a bearing member mounted in said shell, spaced from the rear end thereof and held normally against axial movement to prevent the forward movement of said centering element but movable rearwardly by axial pressure on said centering element to compensate for wear on the flared surface of said shell, and antifriction elements between the two last mentioned bearing members.

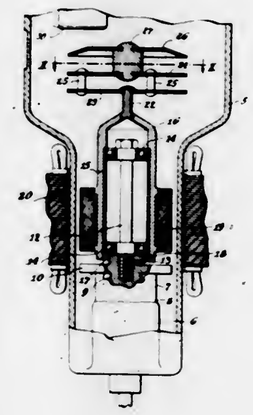
2,549,614

ROTARY ANODE X-RAY TUBE

Alexander H. Leighton, Minneapolis, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1948, Serial No. 56,706

4 Claims. (Cl. 250—148)



1. A rotary anode X-ray tube comprising an evacuated vitreous envelope provided with a metallic anode and a cathode therein, said anode having a target at which heat is generated during operation of said X-ray tube and including a rotatable member journalled for rotation about the longitudinal axis of said tube, and said anode comprising a series of annular spaced metallic disks completely spaced from each other to expose their entire respective plane surfaces and supported from each other by a connecting member independent of said rotatable member for increasing the heat dissipated by radiation from the anode surface and to decrease the anode heat dissipated by conduction to a minimum.

2,549,615

EVAPORATION COOLING FOR HORIZONTAL PISTON MOTOR

Hans List and Egon Niedermayer, Graz, Austria; said Niedermayer assignor to said List

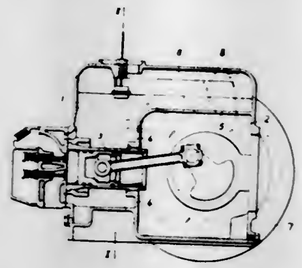
Application March 26, 1949, Serial No. 83,693

In Austria April 7, 1948

3 Claims. (Cl. 123—41.31)

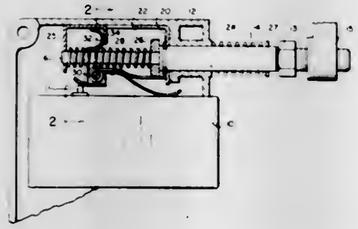
1. In an evaporation cooled horizontal piston engine having a horizontal cylinder and crank case, a cooling-water space surrounding the cyl-

inder and extending above the crank case for the entire length and width of the crank case,



said cooling-water space having walls which extend approximately vertically to the height of the cooling water level.

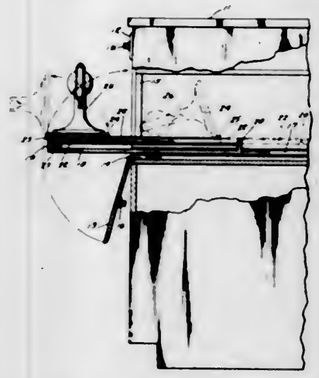
2,549,616
SWITCH OPERATING MECHANISM
George Long, St. Louis Park, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 23, 1948, Serial No. 50,831
13 Claims. (Cl. 74—100)



1. In a mechanism for operating an electrical switch having an actuating pin which has a normal position, a case enclosing the switch, a plunger reciprocable in said case, a saddle slidable on the plunger, a latch pivotally mounted adjacent the switch, a spring normally holding the latch in engagement with said saddle to prevent movement of the saddle, a spring normally holding the plunger and saddle in retracted positions, a spring acting on the saddle to oppose the first spring, a bell crank lever pivotally mounted adjacent the switch and movable by the saddle to depress the actuating pin, and a cam carried by the plunger which slides up on the latch as the plunger moves inwardly to disengage the latch from the saddle to permit the saddle to move the bell crank lever to depress the actuating pin.

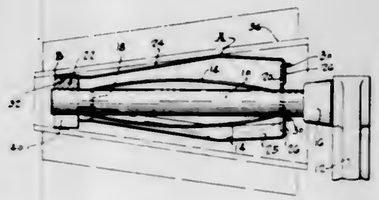
2,549,617
SLIDING SHELF CONSTRUCTION FOR FOOD MIXERS
Robert B. Marshall, Youngstown, Ohio
Application September 10, 1949, Serial No. 114,963
4 Claims. (Cl. 312—29)

1. The combination of a cabinet and a sliding shelf construction therein, the said cabinet having an opening therein and parallel oppositely disposed guides in said opening, a shelf slidably mounted in said guides, secondary guides on said sliding shelf and a secondary shelf slidably mounted in said secondary guides, a platform on said secondary shelf for supporting a food mixer,



the said platform pivotally affixed at its foremost edge to the foremost edge of the said secondary shelf and means on said shelf and said secondary shelf for interengagement whereby movement imparted to the said secondary shelf will move the said shelf into and out of the said cabinet.

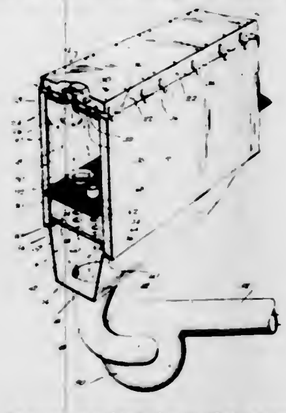
2,549,618
PIRN OR CONE HOLDER
Edward J. McBride, Philadelphia, Pa.
Application March 31, 1948, Serial No. 18,259
3 Claims. (Cl. 242—130)



1. A pirn or cone holder including a support, spaced heads, elongated members, secured to, and connecting said heads, each of said heads having an opening leading from the periphery toward the center thereof, the openings in said heads being aligned and large enough to accommodate said support, and means for detachably securing at least one of said heads to said support.

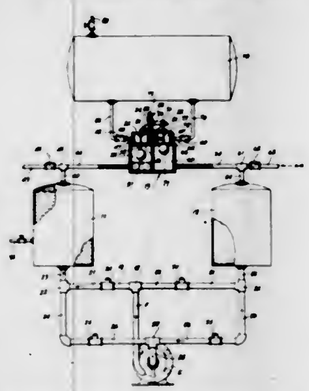
2,549,619
INFRARED OVEN
William J. Miskella, Cleveland, Ohio
Application November 30, 1945, Serial No. 632,059
1 Claim. (Cl. 34—60)

An infrared oven adapted to have a conveyor pass therethrough to carry objects to be subjected to infrared radiation comprising in combination a pair of substantially parallel walls, a plurality of infrared lamps, a lamp support bridging between the upper edges of said walls but spaced therefrom to provide an air inlet, said lamps depending from said support and into the space between said walls, a heat insulated reflective panel carried by but spaced from said lamp support closing the space between said walls adjacent the top thereof, said panel having a plurality of lamp openings through which said



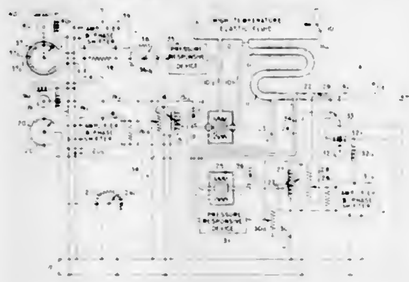
infrared lamps project into the space between said walls, the space between said lamp support and said panel and said lamp openings forming an air inlet passage, an air outlet duct closing the space between said walls opposite said bank of infrared lamps, said duct having an opening communicating with the interior of the oven, and an air circulating means for causing flow of air through said inlet passage, between said walls over the objects being subjected to infrared radiation and out through said duct.

2,549,620
PUMPING MECHANISM
Orville Mitchell, Dallas, Tex., assignor to John E. Mitchell Company, Dallas, Tex., a corporation of Missouri
Application May 28, 1945, Serial No. 596,307
3 Claims. (Cl. 230—91)



1. In a gas compressing system of the liquid piston type, a pair of relatively large liquid containers, a pair of relatively small float chambers, one connected with the top of each liquid container, a gas outlet from the top of each float chamber, the float chambers being thereby connected in series with their respective liquid containers, valve means adjacent the float chambers permitting gas flow only outwardly from the chambers through the gas outlets, a unidirectional gas inflow conduit for admitting gas into each liquid container, a float device in each chamber, means to transfer a quantity of liquid alternately from one liquid container and its float chamber, to the other liquid container and its float chamber, such liquid rising in each float chamber until it lifts the float device therein, means responsive to elevation of each float device to reverse the travel of the liquid, and cause it to be withdrawn from such float chamber and liquid container until it fills the other liquid container and float chamber, there being means to maintain the float device so elevated, in elevated position until the liquid rises in the other float chamber and elevates the other float device therein.

2,549,621
ELASTIC-FLUID TEMPERATURE-RESPONSIVE SYSTEM
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application July 13, 1945, Serial No. 604,867
33 Claims. (Cl. 73—357)

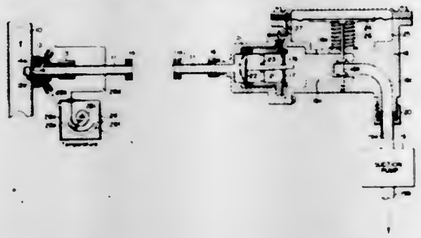


1. A system for deriving an effect representative of a temperature factor of an elastic fluid flow in a conduit and of a temperature remote from ambient temperature comprising, means for developing an effect varying with the fluid flow of said fluid in said conduit, means for changing the temperature of said fluid to a workable temperature, and means responsive to the fluid flow and temperature of said workable-temperature fluid for controlling the fluid flow of said workable-temperature fluid to maintain constant a predetermined mass-flow factor including temperature, whereby said developed effect is representative of the desired temperature factor.

2,549,622
PNEUMATIC TEMPERATURE-RESPONSIVE APPARATUS
David W. Moore, Jr., New York, and Alfred G. Nash, Garden City, N. Y., assignors to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application January 24, 1947, Serial No. 724,142
13 Claims. (Cl. 73—357)

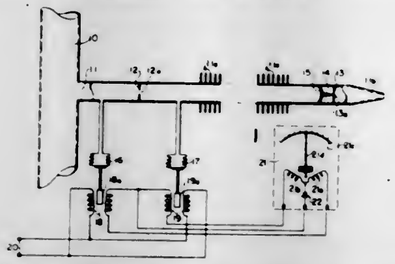
1. A pneumatic apparatus responsive to a temperature factor of an elastic fluid in a container comprising, a conduit adapted for fluid connection with the container, a metering first constric-

tion in said conduit, a controlling second constriction in said conduit, heat-exchanging means between said constrictions for modifying the temperature of said fluid, a valve in said conduit, differential-pressure-responsive means connected across said second constriction and connected



directly to said valve to maintain the differential pressure across said second constriction substantially constant, and means responsive to the differential fluid pressure across said first constriction for deriving an effect representative of a temperature factor of the contained fluid.

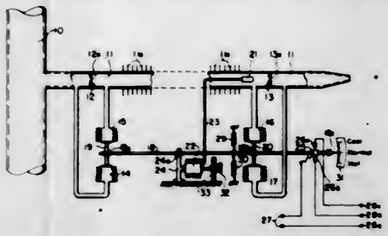
2,549,623
PNEUMATIC TEMPERATURE-RESPONSIVE APPARATUS
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera & Instrument Corporation, a corporation of Delaware
Application August 19, 1947, Serial No. 769,510
11 Claims. (Cl. 73—357)



1. A pneumatic apparatus responsive to a temperature factor of an elastic-fluid source comprising: a conduit in fluid connection with said source; a first constriction in said conduit in the vicinity of said source; a second constriction in said conduit spaced from said source; said conduit including provisions for cooling said fluid in its passage between said constrictions; said constrictions being so proportioned that the differential fluid pressures thereacross are maintained above the critical value, and means responsive to the ratio of the absolute pressures on opposite sides of said first constriction for developing an effect representative of the desired temperature factor.

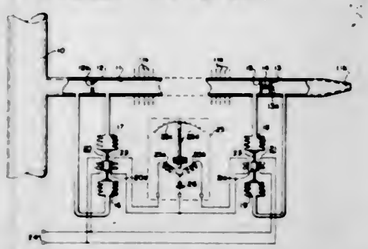
2,549,624
PNEUMATIC TEMPERATURE-RESPONSIVE APPARATUS
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application August 28, 1947, Serial No. 770,961
9 Claims. (Cl. 73—357)

1. A pneumatic apparatus responsive to a temperature factor of a high-temperature elastic-fluid source comprising: a conduit in fluid connection with said source; a first constriction in said conduit near said source; a second constriction in said conduit spaced from said source; said conduit including provisions for cooling said fluid in its passage between said constrictions; a plurality of means for individually deriving effects



representative of the differential pressures across said constrictions; and means responsive jointly to said effects for deriving an output varying with deviation of the ratio of said effects from a given value whereby said output is representative of the deviation of the temperature factor of the source from a desired value.

2,549,625
PNEUMATIC TEMPERATURE-RESPONSIVE APPARATUS
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application October 14, 1947, Serial No. 779,703
9 Claims. (Cl. 73—357)

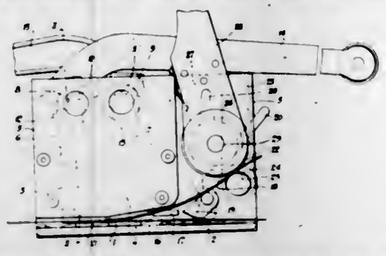


1. A pneumatic apparatus responsive to a temperature factor of a high-temperature elastic-fluid source comprising: a conduit in fluid connection with said source, a first constriction in said conduit near said source, a second constriction in said conduit spaced from said source; said conduit including provisions for cooling said fluid in its passage between said constrictions; a plurality of means for individually deriving effects representative of the differential pressures across said constrictions; and means responsive to the ratio of said effects for developing a third effect representative of the desired temperature factor.

2,549,626
STRAPPING MACHINE
Frederick William Mosey, London, England
Continuation of application Serial No. 575,883, February 2, 1945. This application July 14, 1947, Serial No. 760,831. In Great Britain February 15, 1944
9 Claims. (Cl. 81—9.1)

1. A strapping machine for connecting lapping portions of a metal strap passed around a pack-

age, comprising two movable joint-forming dies, a fixed die cooperating with each movable die, said movable dies and fixed die adapted to receive the lapping strap portions interposed therebetween, two operating handles each connected with and adapted to move one of the said mov-



able dies, and gearing interconnecting the said handles coordinating simultaneous opposite movement thereof, said gearing and movable dies being relatively set angularly to sequentially engage the movable dies with the strap portions interposed between the movable dies and fixed die.

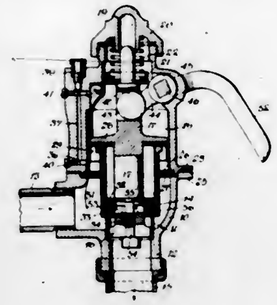
2,549,627
FOOTBALL DOWN MARKER AND INDICATOR
William F. Musch and Russell S. Katz, Hamilton, Ohio; said Katz assignor to said Musch
Application July 9, 1948, Serial No. 37,736
3 Claims. (Cl. 177—329)



3. A portable down marker and indicator comprising an elongated body member including a lower staff portion having a spiked end adapted to be removably inserted in the earth and an upper barrel portion, said barrel portion being divided into sections spaced vertically from one another by posts with openings in the body member adjacent the posts, a signal light adjacent each of said openings and mirror means on the inner surfaces of the posts for reflecting light horizontally through the openings.

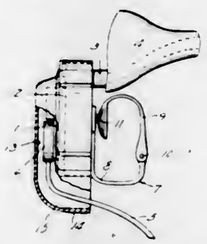
2,549,628
FLUSH VALVE
Claus D. Myer, Grantwood, N. J., assignor to Myer Flushometer Co., Grantwood, N. J., a partnership
Application February 15, 1946, Serial No. 647,815
4 Claims. (Cl. 251—159)

1. In a device of the class described a valve stem, an annular shaped valve having a tapered periphery and moveable along the stem within predetermined limits, means on the lower end of the stem to lift the valve from its seat when the stem is moved a predetermined distance upwardly, a cup-shaped element on the stem above the valve and having its lower edge cut through in scalloped fashion, said cup-shaped element



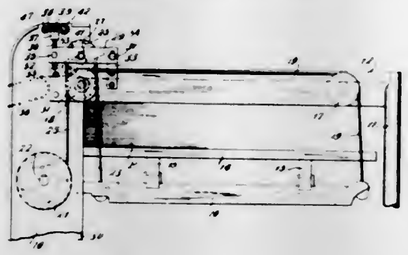
having an inner tapered wall adapted to house and cover the valve on its seat when the stem is in its lowest position, the movement of the stem upwardly from its lower-most position lifting the cover to permit regulated small amounts of liquid to pass through the scallops and around and through the valve as soon as the cover is lifted and before the valve is lifted from its seat.

2,549,629
RECEIVER FOR HEARING AIDS
Franklin S. Nelson, Minneapolis, Minn., assignor to The Maico Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application January 12, 1950, Serial No. 138,113
5 Claims. (Cl. 179—107)



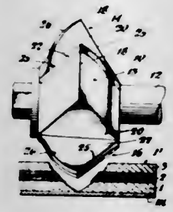
1. In a device of the class described, a cup-like casing having a radially inwardly-opening channel in its inner side wall, said channel extending axially inwardly from the open end of said casing, an axially-extended resilient finger secured to said casing, said finger being retractable into said channel and being curved at its free end to provide a radially inwardly-opening hook, said finger being biased to project the hook-acting free end thereof radially inwardly of said inner side wall, a circular hearing aid receiver axially slidably receivable within said casing, said receiver having a side wall portion which corresponds approximately in axial length and in general shape to said finger and which is adapted to cooperate with said finger to retain said receiver within said casing against accidental displacement.

2,549,630
PILE FEEDER
Irving F. Niles, Shaker Heights, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application May 25, 1948, Serial No. 29,033
7 Claims. (Cl. 271—62)



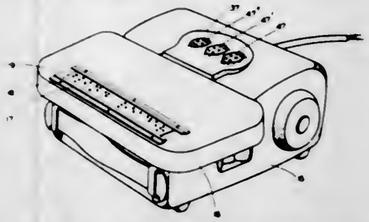
1. In a pile feeder, a frame, an elevator pile support movable up and down in said frame, pulley and cable mechanism for raising said support step by step, said mechanism comprising cables attached to the forward end of said support and a pair of pulleys over which said last named cables run, and a separate adjustable means for varying the height of each of said pulleys, said adjustable means being operable while said pulley and cable mechanism is in operation.

2,549,631
ROTARY CUTTER FOR GROOVING LAMINATED PLYWOOD
Glenn H. Norquist, Jamestown, N. Y.
Application December 12, 1945, Serial No. 634,432
3 Claims. (Cl. 144—218)



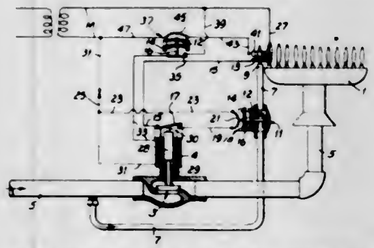
1. A grooving wheel designed to cut grooves in laminated plywood panels having a hub section to which a rotary driving member may be attached, and a plurality of spaced cutting arms radiating outwardly from said hub section, each of said cutting arms having inclined side faces tapering outwardly and meeting in a peripheral line edge at approximately the medial plane of the wheel, the advancing face of each of said cutting arms forming with the side faces thereof the groove cutting edges of the arm, one of the cutting edges of each arm presenting a substantially straight cutting edge and the other cutting edge presenting an outwardly curving cutting edge, the alternate cutting arms of the wheel presenting their respective curvilinear cutting edges on one side of the wheel and the intermediate cutting arms presenting their respective curvilinear cutting edges on the opposite side of the wheel.

2,549,632
READER FOR THE BLIND
Ralph B. Nottingham, Cleveland, Ohio, assignor to Gustave Theophile Louis Staar
Application October 31, 1947, Serial No. 783,337
3 Claims. (Cl. 35—35)



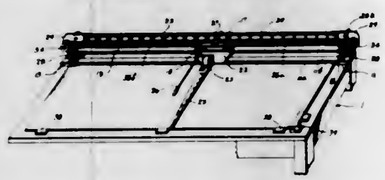
3. In a reader for the blind including a long narrow record member carrying indicia representative of a succession of letters and means for driving said record member: pickup means for sensing said indicia as said record member is driven past said pickup means, electric circuit means connected to said pickup means and controlled in accordance with the indicia sensed, a first indicator bank comprising a plurality of movable indicators, a second indicator bank comprising a plurality of movable indicators, said electric circuit means being connected to said first and to said second indicator banks and including indicator actuating means for actuating said indicators in accordance with electric current in said controlled electric circuit means, and time delay means in said electric circuit means for delaying the actuation of one bank of indicators with respect to the actuation of the other bank of indicators.

2,549,633
GAS BURNER IGNITION AND SAFETY CONTROL SYSTEM
Jerome Ottmar, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,996
7 Claims. (Cl. 158—117.1)



1. A gas burner control system comprising a main gas burner and a pilot burner for igniting said main burner, a gas supply line for said main burner, a main valve in said line, a gas supply line for said pilot burner, a pilot valve in said pilot supply line, a main control switch, a thermal time-delay relay including contacts and a heater which, when energized, closes said contacts after a time delay, electrically controlled means for operating said main valve connected in a circuit in series with said main control switch and the contacts of said time-delay relay, a flame-sensitive current controller positioned to be acted upon at least by the flame of the pilot burner, said controller being normally non-conductive but adapted to become conductive when acted upon by said flame, said heater being connected in a circuit in series with said controller whereby said heater is energized in response to ignition of the pilot burner and closes said contacts after a time delay thereby to open said main valve, a thermal pilot relay for operating said pilot valve, said pilot relay including a heater which when energized actuates the pilot relay to open the pilot valve, a secondary switch, said pilot relay heater being connected in a circuit under control of said main control switch in series with said secondary switch, and means for opening said secondary switch in response to opening of said main valve and for closing it in response to closure of said main valve.

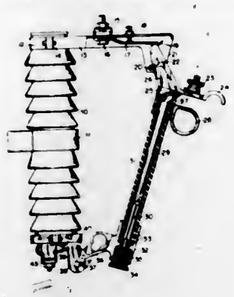
2,549,634
LAYOUT AND MEASURING DEVICE
Lloyd V. Parsons, Seattle, Wash.
Application January 17, 1949, Serial No. 71,367
3 Claims. (Cl. 33—76)



1. A layout device of the character described comprising a work table on which a sheet of material can be flatly supported, a guide rod fixedly mounted on the table along one side thereof, brackets mounted on the guide rod at its ends for axial turning thereon, a scale bar extending along the guide rod parallel thereto and fixed at its ends to said brackets for support thereby, a carriage mounted for travel on the guide rod and for rotation about its axial line and having a sliding connection with the said bar whereby rotation of the carriage on the guide rod will cause a corresponding turning movement of the scale bar about the rod, an arm, having a straight scribing edge, rigidly fixed to and extending from the carriage and adapted to be laid flatly upon and across a sheet of material on said table, a graduated scale applied to and extending along the scale bar, a pointer on the carriage adapted to follow the said scale, rollers supported from the opposite ends of the scale bar and a continuous tape belt drawn taut about and extended between the rollers and fixed at one point to the carriage to cause it to move therewith; said belt being graduated in opposite directions from a point therein that is aligned with the scribing edge of the said arm.

2,549,635
FUSED SWITCH
Ralph R. Pittman, North Little Rock, Ark.
Application September 1, 1949, Serial No. 113,610
5 Claims. (Cl. 200—114)

1. A drop-out fuse construction comprising insulated means supporting spaced upper and lower contacts, an inclinatory fuse tube assembly including a fuse tube normally spanning said contacts, upper and lower terminal members mounted at the respective ends of said fuse tube, the upper member covering the upper end of said tube and completely blocking egress of gas therefrom in endwise direction and the lower member fixedly closing the lower end of said tube, an exhaust opening in the upper terminal member and a vent opening in the lower terminal member, the openings extending inwardly in transverse direction with respect to and in communication with the bore of said tube, a fuse link fastened at its lower end within said lower terminal member and extending upwardly through the bore of said tube and outwardly through and transversely across the exhaust opening of the upper terminal member, means



controlled by said fuse link for normally latching said fuse tube assembly in closed position to said upper contact and releasing said assembly for swingable movement to open position in response to rupture of said fuse link, said exhaust opening being positioned to discharge gas from said tube laterally against said fuse link and in the direction of motion of said upper terminal member when said fuse tube assembly moves from closed to open position.

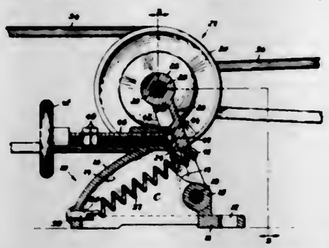
2,549,636
ARTIFICIAL TEETH
Walter D. Raber, Chicago, Ill.
Application October 4, 1948, Serial No. 52,661
4 Claims. (Cl. 32—8)



1. In combination, upper and lower artificial dentures having pairs of posterior teeth the occlusal surfaces of which are formed in a manner to provide for small contact areas between pairs of coacting teeth to obtain strong cutting forces and large sluice-way areas; each of said teeth having buccal and lingual cusps disposed with their apexes substantially in a plane, one of each pair of said teeth having two continuous straight parallel and spaced ribs extending tranversely of its occlusal surface intermediate the buccal and lingual cusps and terminating in cutting edges slightly above the position of natural cusp anatomy and a depression between and parallel to said ribs, the other of each pair of said teeth having a single, substantially straight rib extending longitudinally of its occlusal surface and adjacent its buccal

surface and crossing the direction of said transverse ribs and terminating in a cutting edge slightly above the position of natural cusp anatomy, and a longitudinal depression adjacent said longitudinal rib and parallel therewith extending laterally across the medial portion of the occlusal surface, thereby providing contact between teeth of coacting dentures at points slightly beyond normal cusp contact.

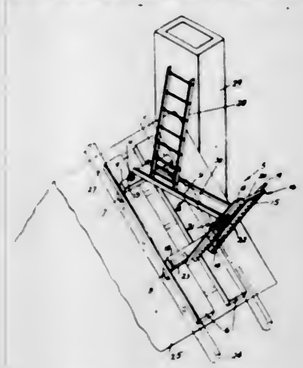
2,549,637
SELF-CONTAINED, SPEED-VARYING COUNTERSHAFT UNIT
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application October 24, 1949, Serial No. 123,171
5 Claims. (Cl. 74—230.17)



1. A self-contained speed-varying power transmission countershaft unit comprising a base including walls defining a chamber, journal means provided on said base near an end of said chamber, a lever oscillably mounted on said journal means and projecting away from said base, a dual V-pulley assembly supported at the free end of said lever, a spring substantially housed within said chamber and operatively engaging said lever and said base to restrain said lever resiliently against movement in one direction about the axis of said journal means, said base being provided with a threaded bore whose axis is remote from said journal means and transversely disposed relative to the axis of said journal means, and a screw threadedly mounted in said bore and engageable with said lever to swing the same in opposition to the resistance of said spring.

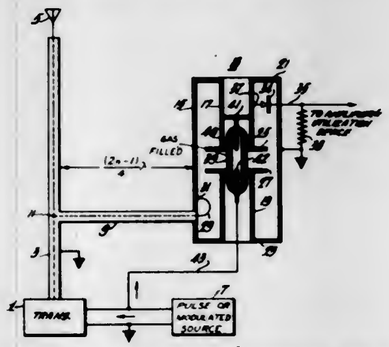
2,549,638
SCAFFOLD
John C. Rogghe, Upper Montclair, N. J.
Application September 12, 1946, Serial No. 696,428
1 Claim. (Cl. 248—237)

A scaffold, comprising, in combination, a frame including spaced parallel side members and spaced parallel transverse members upon outer surfaces of said side members and connected with said side members; ladder-engaging hooks upon under surfaces of said side members, a working platform, hinge means upon one of said transverse members, said hinge means extending in the direction of the transverse members and being connected to one edge of said platform, a rack comprising two parallel angle irons spaced at a distance greater than the width of said platform and a top transverse member interconnecting said angle irons; other hinge means upon the other one of said transverse members, the length of the rack being greater than the distance between the two hinge means, said other hinge means extending parallel to the first-mentioned hinge means and in substantially the same plane and being connected to adjacent ends of said angle irons, whereby said platform and said rack are swingable in opposite directions upon said frame, and whereby said rack fits over said platform when folded, aligned teeth upon said angle irons, a rod carried upon the free edge of said platform and having ends fitting into said teeth, whereby said platform and said rack are interengageable at a plurality of angles relatively to said frame, and a latch slidably mounted upon



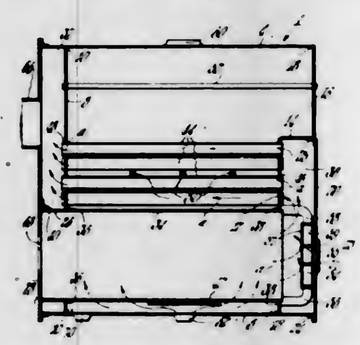
one of said angle irons and having a portion slidable over the teeth thereof and having a recess fitting over an end of said rod, whereby said platform and said rack may be locked in a plurality of positions, said platform being situated substantially above the space between said side members and fitting when folded between said angle irons, said rod being located beyond said angle irons and engaging said side members when said platform and said rack are folded.

2,549,639
ANTENNA SWITCHING SYSTEM
Charles A. Rosencrans, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 23, 1945, Serial No. 601,127
2 Claims. (Cl. 250—13)



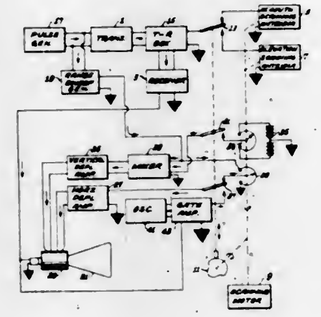
2. A switch device for radio frequency energy, including a cavity resonator comprising an outer conductor, a hollow tubular inner conductor enclosed by said outer conductor and connected at at least one of its ends to said outer conductor, said inner conductor including a longitudinal gap, a voltage responsive gas discharge device including two electrodes positioned at opposite sides of said gap, and a further conductor extending within said tubular conductor and insulated therefrom and connected to one of said electrodes said other electrode being coupled to said cavity resonator outer conductor; coupling means for applying radio frequency power to said resonator; coupling means for absorbing radio frequency power from said resonator, and means for applying a keying voltage between said further conductor and said outer conductor to make said discharge device conductive and effectively short circuit said gap, and thereby prevent the transfer of power from one of said coupling means through said resonator to the other of said coupling means, said hollow inner conductor from said gap to said connection to said outer conductor forming with said further conductor a transmission line having an odd number of quarter wavelengths at the operating radio frequency and open-circuited at said one end, thereby to inhibit the escape of radio frequency energy from said resonator at said gap through said hollow inner conductor at said operating frequency.

2,549,640
BOILER CONSTRUCTION
Alonzo W. Ruff, New York, N. Y.
Application May 11, 1949, Serial No. 92,663
1 Claim. (Cl. 122—150)



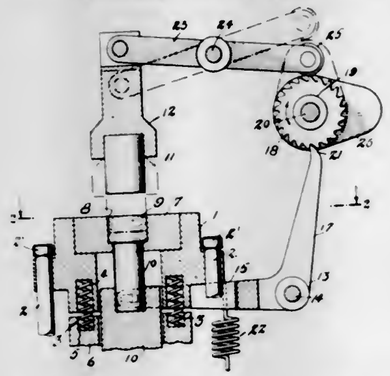
A boiler construction comprising in combination, a longitudinal shell having side and upper and lower walls, a rear wall secured to the said walls of the shell and having a lower portion disposed inwardly and forwardly from an upper portion thereof, a rear plate secured to the rear ends of the side and lower walls of the shell cooperating with the last mentioned walls and lower portion thus providing a combustion space, a forward inner wall secured at marginal edges to the side and upper and lower walls and spaced inwardly from the forward ends of said walls, plate means secured to the forward ends of said upper and side and lower walls and forwardly of said forward inner wall thus providing a flue space, said plate means being provided with a combustion chamber opening, a longitudinal combustion tube having a forward end connected to said plate means around the opening therein and a rear end extending through and secured to the lower portion of the rear wall and opening into said combustion space inwardly of said rear plate, separate longitudinal flue tubes disposed at the sides of and above said combustion tube and having opposite ends extending through and secured to the lower portion of the rear wall and forward inner wall and opening into the spaces adjacent thereto, said upper wall provided with an outlet and said lower wall provided with an inlet disposed below said combustion tube and between the lower portion of the rear wall and the forward inner wall, and a baffle plate disposed transversely between said combustion tube and inlet, all adapted and arranged whereby a water space is provided around said combustion tube and flue tubes and over the space between said rear plate and lower portion of the rear wall, a water compartment disposed in the space between the rear plate and lower portion of the rear wall and rearwardly of and spaced from the rear end of said combustion chamber, and hollow connections extending from upper and lower sides of said compartment and having ends extending through and secured to the lower portion of the rear wall.

2,549,641
DISPLAY OF THREE-DIMENSIONAL INFORMATION
Harold John Schrader, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1947, Serial No. 783,354
4 Claims. (Cl. 343—11)



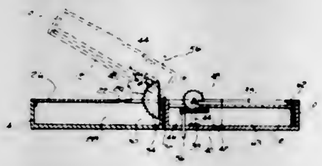
1. An instrument ground approach system for aircraft, including at a ground station, radar distance and course determining means scanning alternately in azimuth and in elevation throughout respective sectors which include the glide path to be followed in landing, said radar means providing substantially continuously information as to the range, azimuth, and elevation of an aircraft within said sectors; a cathode ray tube including a luminescent screen, means controlling the cathode ray of said tube in response to said radar means during said scanning in azimuth to produce on said screen a spot whose position with respect to the undeflected position of said ray corresponds to the position of said aircraft in range and azimuth with respect to said ground station, and means controlling said cathode ray during said scanning in elevation to produce on said screen a line whose perpendicular distance from said undeflected spot position corresponds to said range plus a quantity proportional to the deviation of the elevation angle of said aircraft from the elevation angle of said glide path, said last-named means comprising an oscillator connected to said tube to deflect said cathode ray repeatedly in a direction normal to the range deflection of said spot thereby producing said line, whereby said line runs through the position of said spot only when said craft is at the elevation angle of said glide path.

2,549,642
PRESS WITH VIBRATING DIE FOR FORMING POWDER METAL BLANKS
Richard P. Seelig, Elmhurst, N. Y., assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York
Application August 24, 1945, Serial No. 612,454
2 Claims. (Cl. 78—0.5)



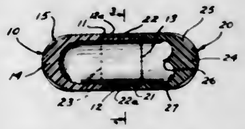
1. In a press for forming powder metal blanks, a resiliently supported die having a die cavity for the reception of powder metal and open at both ends, means including complemental relatively movable punches operable in the die cavity for compressing said powder metal within said die cavity by forces applied longitudinally of the die cavity, means for moving said punches relatively within said die cavity, and means for vibrating said die during said compression operation for moving the same relative to the powder metal being compressed between the punches, said last mentioned means including a mechanism for positively moving said die in one direction and a yieldable device for moving said die in the opposite direction.

2,549,643
VANITY CASE HAVING A MEMBER FOR AUTOMATICALLY WIPING CLEAN THE MIRROR CONTAINED IN THE CASE
Jack Siegal, New York, N. Y.
Application November 5, 1946, Serial No. 707,922
8 Claims. (Cl. 132—83)



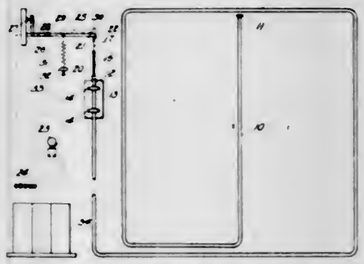
1. In a vanity case having a pair of hinged sections, a mirror in one section, a wiping member tensioned against the mirror, a shaft arranged for rotation in said mirror section and positioned at right angles to the mirror, said wiping member secured to said shaft and movable across the face of the mirror upon rotation of the shaft, and a gear train comprising a gear secured to said shaft, a stationary gear and a third gear connecting the stationary gear with the gear on the shaft and mounted in the mirror section to move across the stationary gear upon swinging the mirror section on the hinges relative to the other section to open and close the vanity case, the axes of the stationary gear and third gear being parallel to each other and at right angles to the said shaft.

2,549,644
DEVICE FOR MIXING MATERIALS
Arnold Silverman, New York, N. Y.
Application August 6, 1948, Serial No. 42,860
1 Claim. (Cl. 259—72)



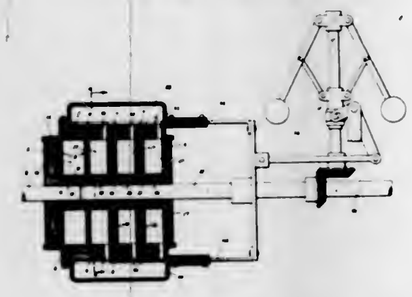
A mixing vessel comprising an elongated cylinder consisting of companion end sections detachably connected and being circular in cross section and having a smooth inner surface and hemispherical ends, the hemispherical end of one section being internally thickened and having its inner surface semicircular in cross section and merging into the inner surface of the annular wall of the said section, and the hemispherical end of the other section also being internally thickened and formed with a conical portion located axially of the said second section and tapered to a sharp point at its apex and about its base merging into a circumferentially extending groove, the groove being arcuate in cross section and merging into the inner surface of the annular wall of the said second section.

2,549,645
FIRE ALARM SYSTEM
Orville E. Tendall, Hopkins, Minn., assignor of one-half to Severt L. Tendall, Northfield, Minn.
Application February 24, 1948, Serial No. 10,299
5 Claims. (Cl. 73—432)



1. In a system of the character described; the combination of a closed metal tube of substantial bore, said tube extending over area to be protected, said tube being in communication with a relatively small cylinder, a plunger with a stem in said cylinder serving as a signal initiating device, said plunger having a plurality of lubricated packings and constructed so as to be responsive to interior fluid pressure of tube, an adjustable thrust member on end of said stem, a mechanical alarm device, spring loaded compound leverage adapted to actuate said mechanical alarm device, due to sudden unusual increase of fluid pressure in said tube, by disengaging a sliding sear from a pivoted sear by raising said pivoted sear, said sliding sear being loaded at one end by a tension spring and its opposite end having a connection to a release of said mechanical alarm device.

2,549,646
FLUID DRIVE PUMP AND TRANSMISSION UNIT
Claude L. Thomas, Yuba City, Calif.
Application March 23, 1946, Serial No. 656,636
2 Claims. (Cl. 60—53)



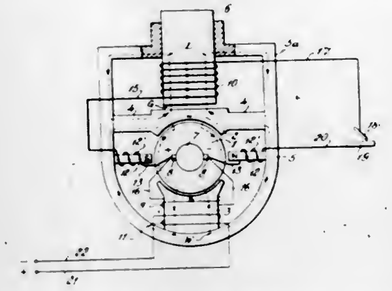
1. A hydraulic pump and transmission unit comprising a casing divided into a first chamber and a second chamber, each such chamber having an impeller therein of a form to divide the chamber into a first compartment and a second compartment separated axially of the casing, a driving shaft connected with the impeller in the first chamber and a driven shaft connected with the impeller in the second chamber, a pair of conduits connected with each compartment in opposed relation on opposite sides thereof, a valve ported for connection with the conduits connected with the first compartments in the first and second chamber, respectively, such valve being operable to selectively open a circuit leading in one direction through the first compartment of the second chamber and through the first compartment of the first chamber, or in a reverse direction through the first compartment of the second chamber but in the same one direction through the first compartment of the first chamber, a second valve ported for connection with the conduits connected with the second compartments in the first and second chambers, respectively, and operable to selectively open a circuit leading in one direction through the second compartment of the second chamber and through the second compartment of the first chamber, or in a reverse direction through said second compartment of the second chamber but in the same one direction through the second compartment of the first chamber, and means for operating both of said valves in unison.

2,549,647
CONDUCTOR AND COMPRESSIBLE INSERT CONNECTOR MEANS THEREFOR
Wilfred J. Turenne, Fayville, Mass.
Application January 22, 1946, Serial No. 642,595
1 Claim. (Cl. 173—328)



For electrically and mechanically joining electric cables which have bared conductors projecting centrally from flare-ended outer metal tubing, a connector assembly comprising a longitudinally split sleeve of yieldable conducting material receiving such conductors at its opposite ends, a cylindrical rubberous mass encompassing the sleeve and of a length making endwise abuttive contact with and partial entrance into the flare ends of cables when the central conductors thereof are fitted into said sleeve, opposed cylindrical connector body members having each a cable-receiving bore and having mating recesses defining a cavity contactively enclosing and confining the rubberous mass, said cavity including end walls engaging the flares of the tubing ends opposite the abuttive contact thereof with said mass in the installed position of the assembly, one of said body members being externally threaded, and a sleeve-like coupler having threaded engagement with said threaded body member and having longitudinal abuttive engagement with the other body member so as to draw together and abuttively interconnect said members, said rubberous mass in the free unstressed state being oversized with respect to said cavity so that it is subjected to both lengthwise and radial compressive stress in and by said members upon such interconnection thereof, thereby sealing the joint in all directions and simultaneously insulating and compressing the sleeve and promoting the electrical union thereof with the received conductor ends.

2,549,648
WELDING GENERATOR
Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application February 17, 1948, Serial No. 8,889
5 Claims. (Cl. 322—50)



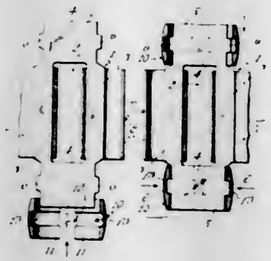
1. A direct current welding generator comprising an armature, a main magnetic structure cooperating with said armature to form a main magnetic circuit for magnetic working flux including a yoke and at least two pole pieces, an auxiliary magnetic structure forming an auxiliary magnetic circuit for auxiliary leakage flux comprising a yoke extension connected to the yoke, said auxiliary magnetic circuit having a portion thereof in common with the main magnetic circuit, said portion carrying both the auxiliary leakage flux and the working flux, the sum of said fluxes being insufficient to saturate said common portion under normal operating conditions, a main field winding about a portion of the main magnetic circuit other than said common portion for producing substantially all of the working flux, and an auxiliary winding about a portion of said yoke extension other than the common portion for producing flux in the common portion opposing the production of working flux by the main field winding.

2,549,649
COLOSTOMY RECEPTACLE
Desire H. Van Hove, Northville, Mich.
Application July 2, 1949, Serial No. 102,739
3 Claims. (Cl. 128—283)



1. A colostomy receptacle comprising, in combination, an open mouth bag, a supporting frame including an annular portion provided with an external peripheral groove and a cup-shaped portion carried by and extending laterally away from the top part of the annular portion, said cup-shaped portion cut-away throughout a part corresponding with the bottom part of the annular portion providing an opening between said cup-shaped portion and said annular portion, the bag being extended through said opening and having the margin of its mouth folded outwardly over the circumference of the annular portion and into the peripheral groove thereof, a resilient ring encircling the folded over margin of the mouth of the bag holding the same releasably within the groove and a belt secured to the cup-shaped portion.

2,549,650
ORNAMENTAL CHAIN FOR BRACELETS OR NECKLACES
Hermann Weinacker, Short Hills, and Frederick A. Dieterich, Maplewood, N. J., assignors to Universal Chain Co. Inc., Maplewood, N. J., a corporation of Rhode Island
Application October 11, 1949, Serial No. 120,634
1 Claim. (Cl. 59—80)

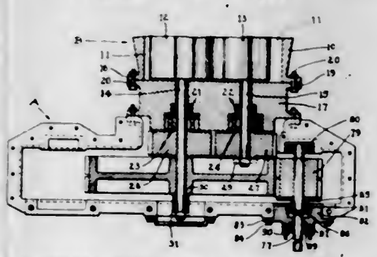


An ornamental chain for a bracelet, necklace and the like comprising a plurality of frame link sections having protruding end extension members, opposed lugs on the side edges of said end extension members, loop links flexibly connecting said frame link sections, and ornamental loops encircling said protruding end extension members, said ornamental loops having grooved portions in interlocking relation with the lugs on the extension members for preventing displacement of said ornamental loops.

2,549,651
PYRIDINE PREPARATION
Cyrus A. Weisgerber, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 19, 1948, Serial No. 45,218
6 Claims. (Cl. 260—290)

1. The process of preparing a pyridine which comprises reacting in the vapor phase and in the presence of an aluminum oxide catalyst, a conjugated diolefin hydrocarbon and an alkyl nitrile.

2,549,652
UNIVERSAL GEAR CASE FOR ROTARY PUMPS
Edward A. Wilhelm, St. Paul, Minn., assignor to Waterous Company, St. Paul, Minn., a corporation of Minnesota
Application June 20, 1947, Serial No. 755,832
4 Claims. (Cl. 74—606)

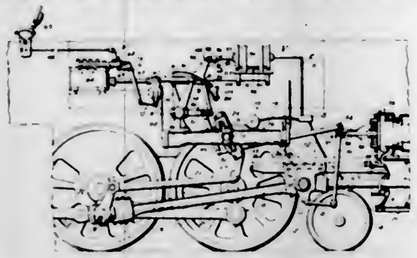


1. A universal gear casing for use in conjunction with a rotary pump having a pair of interchangeable rotors, shafts thereupon, and meshing gears on said shafts, one of said shafts projecting beyond the other, the gear casing including a pair of substantially parallel walls and a peripheral connecting wall, a sleeve projecting from one parallel wall of the casing and designed to encircle said meshing gears, said sleeve having parallel spaced walls and rounded ends, one of the rounded ends of the sleeve being concentric with the center of the casing and concentric with one of said shafts, the other rounded end of the sleeve being concentric with the other of the shafts, a flange on the sleeve designed to extend against the casing of the pump, fastening means for connecting said flange to the pump, said fastening means being spaced so that either end of the sleeve can be concentric with either of said shafts, said casing being formed in two parts connected along a line of separation extending longitudinally through said sleeve, a pair of shaft supports in said casing spaced an equal distance from the center of both of said shafts, a second pair of bearing supports spaced equi-distant from the center of one of the shafts and arranged with their axes on the same horizontal plane as said shafts, a shaft supported in one of said bearing supports, a gear on the projecting shaft, and a pinion on the shaft supported by said bearing supports and in mesh with said last named gear.

2,549,653
CONTROL APPARATUS FOR STEAM LOCOMOTIVES
Rosser L. Wilson, Mahwah, N. J., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application July 13, 1946, Serial No. 683,397
6 Claims. (Cl. 105—48)

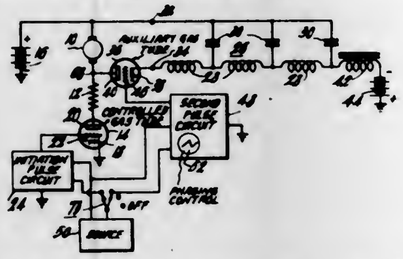
6. In a locomotive power control apparatus, a locomotive drive wheel, another wheel operating

independently of said drive wheel, piston and cylinder means for driving said drive wheel, valve mechanism in power increasing and power reducing directions for controlling the supply of power to said piston and cylinder means, a manually operated control element for said valve mechanism, means actuated by said manually operated control element for governing said valve mechanism and including a linkage having a flexible connection, said flexible connection having a normal relation in which said manual control element is effective through said linkage to operate said valve mechanism, and said flexible con-



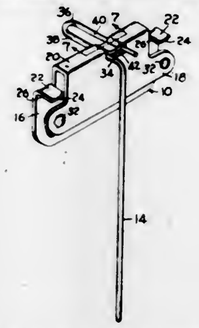
nection being shiftable from said normal relation to an actuated relation to operate said valve mechanism in a power reducing direction while said manual element remains in any predetermined set position, speed comparing means associated with said wheels and operable to compare the peripheral speeds of said wheels, and power means controlled by said speed comparing means and operable normally to maintain said flexible connection in said normal relation and operable to actuate said flexible connection to said actuated relation when the peripheral speed of said drive wheel objectionably exceeds the peripheral speed of said other wheel.

2,549,654
GAS TUBE CONTROL
Hubert H. Wittenberg, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 8, 1949, Serial No. 126,062
9 Claims. (Cl. 315—237)



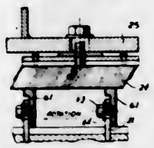
1. In a circuit for extinguishing current flow in a main gas tube having an anode-to-cathode circuit including an impedance, the combination comprising a delay line, an auxiliary gas tube, and means to charge said delay line, said delay line being connected in shunt across at least a portion of said impedance with the characteristic impedance of said delay line substantially matching said impedance portion and said auxiliary gas tube being connected serially with said delay line, said delay line connection being in the sense to provide an extinction voltage pulse across said portion of said impedance upon discharge of said line through said auxiliary gas tube, whereby a substantially square wave voltage extinction pulse is applied across said impedance portion to extinguish current flow in said main gas tube.

2,549,655
TUNING INDICATOR FOR RADIOS AND THE LIKE
Clement A. Woodward, Wellesley, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 14, 1949, Serial No. 70,888
7 Claims. (Cl. 116—136.5)



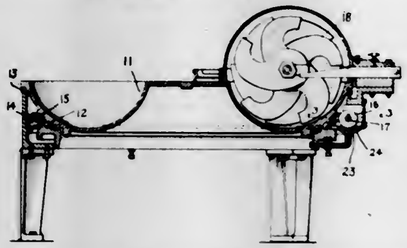
1. A tuning indicator for radios and the like, comprising a tuning indicator pointer and a support member, the tuning indicator pointer comprising an indicator portion and a U-shaped attaching portion, said support member comprising guide plates adapted to be positioned astride a guide rail, opposed openings therein for receiving the U-shaped attaching portion, and means on the support member for engaging the U-shaped attaching portion to retain the tuning indicator pointer in fixed relation to the support member.

2,549,656
RADIAL BRUSH SEAL FOR HEAT EXCHANGERS
William D. Yerrick and Sven Holm, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Original application October 10, 1947, Serial No. 779,044. Divided and this application January 15, 1949, Serial No. 71,144
3 Claims. (Cl. 257—6)



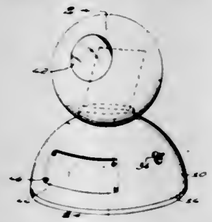
2. In a regenerative air preheater or the like having a rotor made up of a cylindrical shell joined to a rotor post by radial partitions forming compartments that carry heat transfer material, and a housing surrounding the rotor and provided opposite the ends of the latter with sector plates formed with apertures for the flow of heating gases and air to and through the rotor; brush sealing means mounted on the inner surfaces of the imperforate portions of said sector plates between the openings therein so as to face the rotor; and wear shoes mounted on the end edges of said rotor partitions so as to wipe against said brush means as the rotor turns.

2,549,657
LUBRICANT RECOVERY FOR CUTTING MACHINES AND THE LIKE
Frederick A. Zaenkert, Green Hills, Ohio, assignor to The Cincinnati Butchers' Supply Corporation, Cincinnati, Ohio, a corporation of Ohio
Application January 2, 1947, Serial No. 719,659
7 Claims. (Cl. 184—13)



1. In a cutting machine, a bowl rotatably carried therein, and an annular gear on said bowl by means of which said bowl may be driven, an annular lip on the underside of said gear, a driving element for said gear, a lubricant trough disposed under said driving element, and an annular gutter positioned at least under the lip portion of said gear and communicating with said lubricant trough to collect lubricant dripping off said annular lip and return it to said trough.

2,549,658
DISPLAY DEVICE
Louis H. Blythe, Evansville, Ind.
Application October 26, 1946, Serial No. 705,933
6 Claims. (Cl. 40—126)



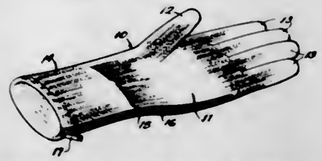
1. A display device including a generally hemispherical hollow base, a horizontally disposed plate removably secured to the top thereof and the circular edge of the base being disposed downwardly, a display holder secured to said plate, said base having an upstanding neck at the top of the base and said plate being secured to and within said neck, a horizontally disposed plate secured to said base near the bottom thereof, the first mentioned plate being secured to the other plate by a bolt and said display holder comprising a bracket with spring clips thereon adapted to grasp and hold a display, a hollow globular member having a neck securable to said neck on the base, said member being largely opaque but having a window adjacent said display holder.

2,549,659
BEARING CONSTRUCTION
Leon Brendel, St. Helena, Calif.
Application September 4, 1948, Serial No. 47,907
1 Claim. (Cl. 308—121)

A combination handle and bearing for flexible cables comprising: a tube; a plurality of longitudinally spaced pairs of abutting sleeve bearings disposed within said tube and having a force fit therewith, each bearing being provided on its outer surface with diametrically opposed longitudinal oil grooves extending from its outer end to a point short of its inner end and communicating at longitudinally spaced points with continuous oil channels formed on the inner surface of said bearing, said tube being provided with plugged oil intake holes extending therethrough at points adjacent the outer ends of said bearings.

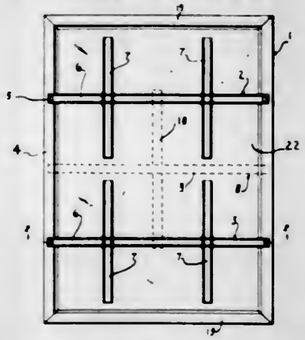


2,549,660
CHILD'S GLOVE
Helen A. Buhl and William E. Buhl, Jr., Chicago, Ill., assignors of one-third to Charles B. Spangenberg, Chicago, Ill.
Application September 16, 1948, Serial No. 49,608
3 Claims. (Cl. 2—159)



1. A child's glove comprising, a hand covering portion including a thumb sheath, a wrist covering portion, an elongated opening extending along the side of the glove opposite the thumb sheath from the outer edge of the wrist covering portion to a point on the hand covering portion adjacent the normal position of the child's little finger to open and interiorly expose the glove and thumb sheath for readily inserting the child's hand in the glove, and a slide fastener for closing the opening after the child's hand is inserted in the glove and for drawing the wrist covering portion of the glove snugly about the child's wrist.

2,549,661
STORM PROTECTION WINDOW BRACE
Harold R. Carney, Houston, Tex.
Application November 21, 1947, Serial No. 787,345
5 Claims. (Cl. 189—78)



1. A storm protection braced window comprising a frame supporting glass thereinbetween, a plurality of inter-crossing structural members having rubber strips attached beneath each member and extending substantially co-extensive with the length thereof and in contact with the window glass, said members being connected to opposite sides of said frame so that a glass area unreinforced on one side has centrally thereof on the opposite side the inter-crossed center of a structural member.

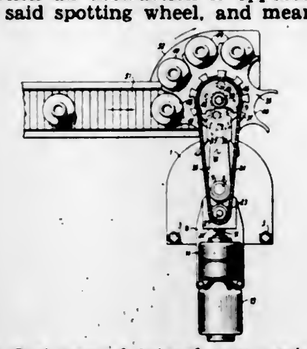
2,549,662
COLLAPSIBLE WINDSHIELD UMBRELLA
George S. Carpenter, Hampton, Va.
Application October 18, 1949, Serial No. 122,117
5 Claims. (Cl. 160—368)



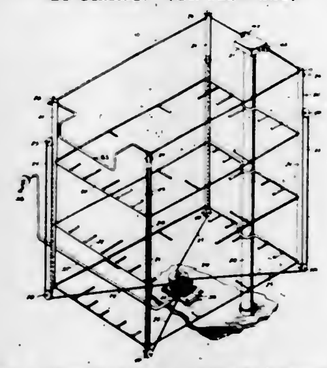
1. A collapsible windshield umbrella removably mountable upon the top of an automobile having side drip gutters and in position for projecting forwardly over the automobile hood as a rain and sun shield, said umbrella comprising, a flexible opaque water repellent body of generally rectangular shape attached to a frame including rigid side members pivotally connected at their front ends to the lateral end extremities of a front transverse member composed of two sections each of a length not exceeding the length of the side members and being pivotally connected so that they can be folded at their pivotal connection to lie between said side members and bring said side members into close proximity in parallel relation, there being included at least one elastic traverse member extending across the body at the end thereof opposite said front transverse member, and hook members conforming generally in part to the shape of portions of said gutters and attached to the rear end of the side members in position for being held by said elastic member in removable contact with said gutters.

2,549,663
GLASSWARE SPOTTER FOR STACKERS
Stanley P. Clark, Windsor, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application December 28, 1945, Serial No. 637,722
2 Claims. (Cl. 214—1)

1. In a glassware spotter, a floor stand comprising a flat base and an upright tubular member thereon, a shaft projecting upwardly from said tubular member and being vertically and angularly adjustable relatively to said tubular member, means for fastening said shaft to said tubular member in an adjusted position, a cap sleeve carried by said shaft, a laterally extending arm on said cap sleeve, a horizontally disposed spotting wheel rotatably supported by said arm, a second laterally extending arm on said sleeve, a driving unit mounted upon said second named arm, and motion-transmitting means supported upon said cap sleeve and operatively connecting said driving unit and said spotting wheel to tend to rotate said spotting wheel continually, said motion-transmitting means including a friction coupling or clutch comprising relatively rotatable frictionally contacting elements between which slippage may occur when an obstruction is opposed to rotation of said spotting wheel, and means carried by said first named lateral arm periodically to oppose such obstruction to the rotation of the spotting wheel.



2,549,664
ELEVATING MECHANISM AND BRAKE CONTROL FOR REFRIGERATOR SHELF FRAMES
Douglas Collins, Salisbury, N. C.
Application April 6, 1945, Serial No. 586,899
18 Claims. (Cl. 312—223)

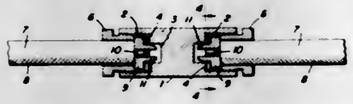


16. In a refrigerator, a cabinet having an open top refrigerating chamber, a shelf frame including vertical corner posts vertically movable through the open top of said chamber, a hinged door engaged and swung by said frame to open position during the upward movement of said frame, means operative to close said door, means acting in opposition to said closing means and operative to elevate said frame, and manually operable means for releasably arresting movement of the frame in selected vertical positions including a self-energizing brake mechanism normally frictionally engaging one of said posts and effective in all vertical positions of the frame to arrest upward movement thereof and releasable means controlling the brake and effective upon operation to release the brake to permit elevation of said frame to selected positions.

2,549,665
ELECTRIC CABLE CONNECTOR OF THE CLAMPING TYPE
John F. Conrad, Ebensburg, Pa.
Application December 1, 1948, Serial No. 62,898
2 Claims. (Cl. 174—84)

1. An electric connector for the wire strands of sheathed cable ends comprising an elongated

socket member of conductive material provided with threaded end sockets, annular members in the bottoms of said sockets sleeved over said strands and having means thereon about which said strands are adapted to be wound between said bottoms and members, and gland nuts sleeved over said sheaths and threaded into said



sockets with inner ends bearing against one side of said members, said members and the bottoms of said sockets clamping the wound strands therebetween, said means comprising split cores with parallel sides and out of which said strands are extended laterally for winding about the same, said sockets having bottom reduced recesses therein in which said cores fit.

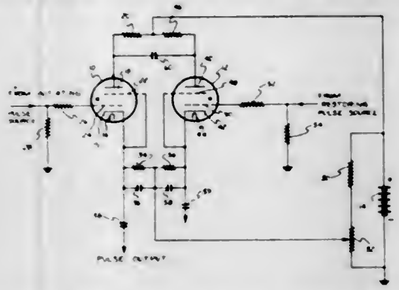
2,549,666
STRIP THREADING APPARATUS
Frank T. Cope and Kenneth U. Wirtz, Salem, Ohio, assignors to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application January 11, 1949, Serial No. 70,354
10 Claims. (Cl. 263—3)



3. Apparatus for threading a strip through a continuous heating furnace including, walls forming an enlongated tubular treatment chamber through which a strip to be treated is continuously passed, support members mounted at spaced intervals in said chamber, a threading tube mounted on said support members within and extending longitudinally through said tubular chamber, there being a slot formed in the tube extending substantially throughout the length of the tube, a bobbin confined for movement in said tube, a member mounted on said bobbin extending through said slot having a portion exterior of the tube engageable within the tubular chamber with a strip to be threaded therethrough, and means for moving the bobbin in either direction through said tube.

2,549,667
TRIGGER CIRCUIT
James R. Cosby, Towson, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application August 8, 1946, Serial No. 689,109
6 Claims. (Cl. 315—229)

1. In a trigger circuit, a pair of gaseous electric discharge tubes each of which includes a cathode, a control electrode and an anode; means including a resistance for connecting each anode to a source of positive potential; means including a resistance for connecting each cathode to a source of negative potential, means including a coupling capacitor connected to each cathode for deriving a voltage pulse therefrom; a condenser connected between the anodes; means for impressing upon the control electrodes phase displaced positive impulses whereby the discharge tubes will be rendered alternatively conductive whereby positive impulses are produced across the cathode resistance of each tube; and means for rendering the tubes alternately non-conductive comprising a condenser connected between said cathodes for delaying the decay of the poten-



tial drop across the cathode resistance of the conductive tube simultaneously with the initiation of conductivity of the non-conductive tube, the time constant of each cathode resistance-capacitance circuit being greater than the deionization time of its associated tube.

2,549,668
WHEELED FIGURE TOY
Gerald C. Cox, La Crosse, Wis., assignor of twenty-five per cent to Robert G. Carroll and twenty-five per cent to Robert A. Spika, both of La Crosse, Wis.
Application July 9, 1948, Serial No. 37,822
11 Claims. (Cl. 46—104)



1. A self-propelled figure toy comprising an axle, wheels on the ends of said axle, propulsion means in said axle acting on said wheels to rotate the latter, a hollow figure toy freely rockable intermediate its ends on said axle and situated between said wheels, said toy representing a duck and being tiltable forwardly and downwardly to depict the act of eating or drinking, and being self-righting to assume a normal position, a springy clip, constituting a trigger, secured to said axle, and a trip pin mounted in said toy in the path of movement of said clip.

2,549,669
OPTICAL INSTRUMENT FOR TESTING PLANE SURFACES AND RECTILINEAR LINES
Bernard Eugène Adrien Marie Cuny, Paris, France
Application April 13, 1945, Serial No. 588,092
In France September 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1963
4 Claims. (Cl. 33—172)

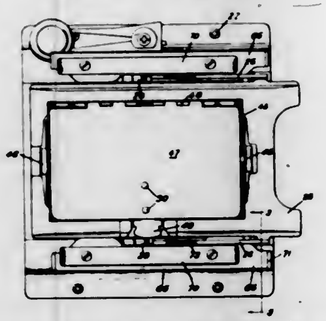
1. In an optical testing instrument in combination, an optical system comprising a sight mark, a feeler movable along the line or surface to be tested for rectilinearity or evenness and movable axially in response to unevenness in the

line or surface being tested, optical elements fixed to said feeler, two stationary reflecting systems disposed on opposite sides of the optical elements fixed to said feeler and an instrument adapted for observation of movements in the plane at right angles to said line or surface of an image of said sight mark resulting from a lack of evenness of the surface or line tested, the members enumerated above of said optical system



being so disposed relative to each other that on said feeler being displaced along a straightline from one of said end reflecting systems to the other, a bundle of light rays producing an image of said sight traverses a path of constant length, starting from an optical element fixed to said feeler and being reflected successively by said two reflecting systems, and returning to the other optical element.

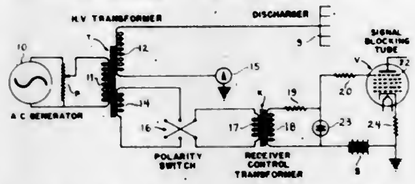
2,549,670
CAMERA BACK
Robert L. Dalton, Irondequoit, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application August 17, 1949, Serial No. 110,784
4 Claims. (Cl. 95—49)



1. In combination, a camera back, a focusing panel, said camera back having a recess therein to receive said focusing panel or a sensitized material holder and having parallel walls at opposite sides of said recess which extend longitudinally of the recess and bound said recess, said walls having rear faces that are inclined inwardly toward the bottom of the recess from the outsides of the walls and that converge toward the bottom of the recess, cooperating members on the panel and back for detachably connecting the focusing panel to the back and permitting the panel to be moved away from the back to allow a sensitized material holder to be inserted between the panel and the back, spring means for effecting tension between the cooperating members, when the panel is moved away from the back, to clamp the material holder to the back under spring pressure, lock members mounted on the rear faces of said walls for longitudinal sliding movement thereon, and cooperating pins and cam slots on said lock members and rear faces for moving the lock members toward one another and inwardly toward the bottom of the recess,

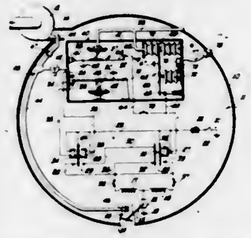
as they are moved longitudinally in one direction, thereby to clamp a sensitized material holder positively to the back.

2,549,671
PRECIPITATION STATIC CONTROL FOR AIRPLANES
Homer J. Dana, Pullman, Wash., assignor to State College of Washington Research Foundation, Pullman, Wash., a corporation of Washington
Application July 2, 1945, Serial No. 602,809
9 Claims. (Cl. 250—20)



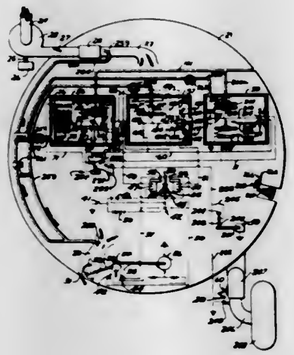
8. An aircraft radio system including, on board an aircraft, a radio receiver, means for cyclically discharging said aircraft to approximately the potential of the surrounding atmosphere, and means for cyclically disabling said receiver in synchronism with said discharge.

2,549,672
CABIN PRESSURE CONTROL
Bruce E. Del Mar, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application May 16, 1942, Serial No. 443,233
35 Claims. (Cl. 98—1.5)



1. In a system for air-supercharging a cabin, the combination of: supercharging means for the cabin comprising means for delivering a flow of air into the cabin and emitting a flow of air from the cabin, the relative values of these flows determining the pressure within the cabin; means for controlling the operation of said supercharging means comprising means responsive to the pressure of air affecting said cabin to control said supercharging means through a range of external pressures to which said cabin is exposed; a compression ratio control having a part movable through consecutive positions representative of consecutive compression ratios, means operating in response to changes in absolute pressure within said cabin to apply a force to move said part, and in cooperating therewith means operating in response to absolute pressure outside said cabin to apply a force to move said part; and means whereby said movable part effects control of said controlling means so that the pressure of air in said cabin will at no time exceed a predetermined multiple of the absolute pressure of air outside said cabin.

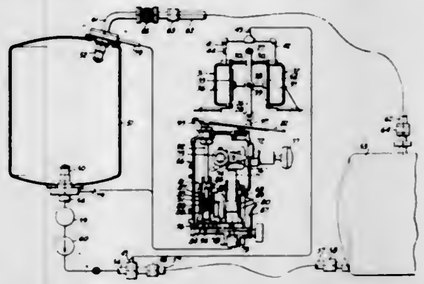
2,549,673
PRESSURE CONTROL SYSTEM FOR AIRCRAFT CABINS
Bruce E. Del Mar, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application May 13, 1946, Serial No. 669,366
30 Claims. (Cl. 98—1.5)



1. An aircraft compartment pressure control comprising: means for delivering air to said compartment under a pressure greater than ambient flight pressure; means for discharging air from said compartment; means for varying the rate of air discharge from said compartment relative to the rate of air delivery to said compartment whereby the absolute pressure within said compartment may be varied; means, including a first capsule subject to cabin absolute pressure and a second capsule subject to cabin differential pressure coacting through an interconnecting linkage system, made operative upon said aircraft reaching a predetermined pressure altitude for controlling said last-named means for regulating the absolute pressure in said compartment in such a manner as to change said pressure in inverse straight-line proportion to changes in pressure altitude of said aircraft above said preselected pressure altitude; and means for preselecting the pressure altitude at which said controlling means is made operative; said preselecting means being changeable during flight of said aircraft and operable independently of said control means whereby said pressure altitude at which said control means is made operative may be altered during flight of said aircraft without altering the said proportion.

2,549,674
AUTOMATIC FLOW CONTROL APPARATUS
John J. Denham, Orinda, Calif., assignor to Shand and Jurs Company, Berkeley, Calif., a partnership
Application August 10, 1948, Serial No. 43,425
9 Claims. (Cl. 62—1)

1. In automatic valve apparatus, valve means adapted to control flow of fluid, and means responsive to a sudden pressure change of a controlling pressure for effecting automatic operation of said valve means, said last means including a pair of pressure operated devices connected in opposition, and fluid connections between both said devices and said controlling pressure, one



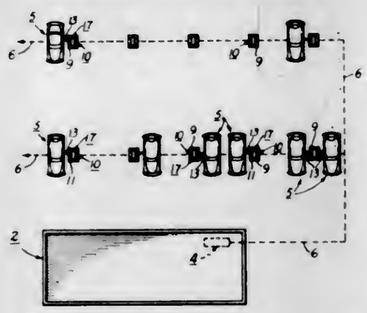
of said connections having a greater flow restriction.

2,549,675
TIRE CHAIN HOOK
Rufus D. Desso, Somers, Conn.
Application July 20, 1949, Serial No. 105,754
3 Claims. (Cl. 152—242)



1. In an anti-skid device for use with an annular side chain and a cross tread chain, the combination with a locking plate having a U-shaped hook in engagement with the end link of a cross chain and an entry slot terminating in a pocket, of a resilient coupling link seated in the pocket and having a pair of U-shaped hooks engaging a link of the side chain, and a pair of oppositely extending lateral bosses on the plate in the path of movement of the resilient locking link.

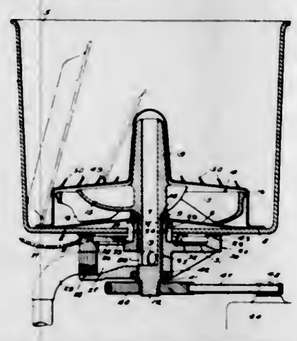
2,549,676
COMMUNICATION SYSTEM FOR DRIVE-IN ESTABLISHMENTS
Earl C. Dunn, George L. Lowman, and Hildred B. Lockhart, Corpus Christi, Tex.
Application September 16, 1949, Serial No. 116,014
12 Claims. (Cl. 179—1)



1. In a drive-in system, the combination of, means constituting a plurality of car parking stations, means constituting a central station, and

a communication system which includes means forming an entertainment program circuit to each of the car parking stations and having means associated therewith to disconnect the entertainment program circuit to any particular car parking station and to set up a talking circuit between that car parking station and the central station, said communication system also including means at the central station to disconnect the talking circuit and re-connect the entertainment program circuit.

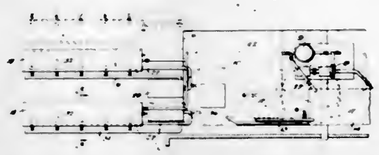
2,549,677
ROTARY WASHING MACHINE
Clinton Frank Egerton, New York, N. Y.
Application January 15, 1947, Serial No. 722,239
4 Claims. (Cl. 68—4)



3. A washing machine for mounting in a sink compartment, including a circular stationary supporting plate provided with drain perforations, a rotatable impeller mounted above the supporting plate, the impeller comprising an axially disposed shaft of hollow formation, said shaft having spaced inlet and outlet openings communicating with the interior and exterior of the compartment respectively to provide an overflow drain, a plurality of water-disturbing blades integral with the shaft, and a non-circular end portion on the shaft, a stationary adapter having a bore, the shaft being rotatable in said bore, the adapter being provided with a main drain communicating with the sink compartment, a valve closure slidable over said drain, operating means for the valve closure, drive means operatively connected to the shaft for rotating the shaft, and a clothes rack including a non-circular dome portion receiving the corresponding portion of the shaft for rotation of the rack with the shaft, a perforated bottom portion rigid with and surrounding said dome portion, said bottom portion overlying the impeller blades and a perforated side wall rigid with and extending upwardly from the periphery of said bottom portion.

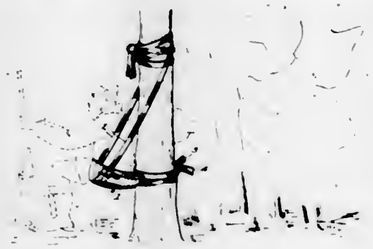
2,549,678
METHOD OF AND APPARATUS FOR ELECTROFORMING METAL ARTICLES
Ronald M. Flandt, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application August 23, 1946, Serial No. 692,606
7 Claims. (Cl. 204—9)

1. Apparatus for electroforming horn bells or the like comprising a depositing tank to contain an electrolyte having a solution of the metal to be deposited, an elongated cathode of a material to which metal does not readily adhere extending vertically into the central part of the tank and tapering from its upper end to a minimum diameter at its bottom, an annular anode of inert material around and spaced from the cathode and flaring from a minimum diameter at its upper end to a maximum diameter at its lower end, a solution inlet pipe discharging upwardly adjacent the lower end of the cathode, means for maintaining a constant circulation of solution



from the inlet pipe for passage between the cathode and anode for the entrance end defined by the largest spaced relation between the cathode and anode to the outlet end defined by the least spaced relation therebetween, means supporting the cathode for rotation about a vertical axis, and angularly disposed vanes attached to the supporting means just beyond the outlet end within the tank to rotate the cathode in response to reaction with the circulating electrolyte.

2,549,679
CANVAS SEAT
Delevan Miller Foote, Muskegon, Mich.
Application March 6, 1950, Serial No. 147,859
3 Claims. (Cl. 155—78)

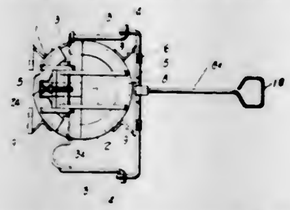


1. A seat comprising a seat portion, a pair of elongated straps extending in approximate parallelism from the rear end thereof, a pair of side straps extending in opposite directions from the respective side edges of said seat portion near the opposite end thereof, said end straps adapted to be looped around and tied to a tree trunk or the like, and said side straps adapted to be looped around said trunk at a location higher than said end straps to raise the seat portion to a position in which it will support the body of a user.

2,549,680
SAFETY CARRIER FOR FIRE EXTINGUISHERS
Harvey C. Fowle, Cleveland, Ohio
Application April 21, 1949, Serial No. 88,835
9 Claims. (Cl. 248—309)

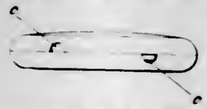
1. A fire extinguisher carrier comprising, in combination, a fixed cradle section, and a movable cradle section between which a fire extinguisher may be supported, means supporting the movable section to rock outwardly from the fixed section, lock means normally to hold said

sections in vertical positions to hold an extinguisher therebetween, and means to rock the



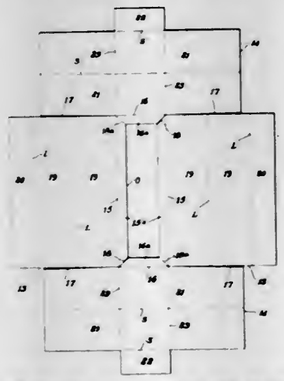
movable section to a position to deliver the extinguisher to a removing position.

2,549,681
PILLBOX AND LIKE CONTAINER OF SMALL ARTICLES
Heinz Herbert Goldstaub, Snaresbrook, England
Application June 30, 1947, Serial No. 757,997
In Great Britain January 26, 1946
1 Claim. (Cl. 206—42)



A pill box composed of two disc-like members provided with peripheral flanges, the flanges being provided with means on their meeting edges forming a detachable snap fastening between the flanges and capable of allowing relative rotation of the disc-like members, the flanges having a height less than the diameter of the pills which are receivable in the box and each flange having a semi-circular opening less than the height of the flange and smaller than the diameter of the pill but which when arranged in registration on rotation of the members provides a circular opening of a diameter greater than one of the pills to enable the passage of a pill therethrough.

2,549,682
FOLDABLE BOX
Alice J. Grossniklaus, Wilmot, Ohio
Application August 15, 1946, Serial No. 690,717
3 Claims. (Cl. 229—16)



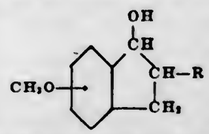
1. A collapsible box including side and end marginal flanges defining a rectangular opening at one end of the box, said flanges being foldably connected together at diagonally opposite corners and separated at the other corners, side wall portions attached to and folded upwardly from opposite side marginal flanges, end wall portions attached to and folded upwardly from said end marginal flanges, each of said side and end wall portions having panel members connected to their upper edges, said panel members folded on themselves accordion fashion and secured together forming adjoining flap portions including an outer flap, and the outer flaps being narrower than the contiguous flap portions and forming an outer shoulder extending around the box between the top and bottom thereof, and a cover on the box end opposite said marginal flanges and abutting said shoulder.

2,549,683
OXY SUBSTITUTED AMINOINDANONES
Richard V. Heinzelmann, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 29, 1948, Serial No. 51,869
6 Claims. (Cl. 260—570.5)

1. An acid addition salt of a substituted 2-aminoindanone-1 wherein the substituents are on the aromatic ring of the indane nucleus and are from the group consisting of the monohydroxy, monomethoxy, ortho-monohydroxy-monomethoxy, ortho-dimethoxy and methylene-orthodioxy radicals.

2,549,684
METHOXY SUBSTITUTED 2-AMINOINDANOLS
Richard V. Heinzelmann, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 29, 1948, Serial No. 51,870
6 Claims. (Cl. 260—570.5)

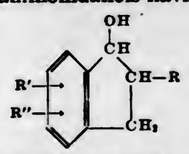
1. A compound from the group consisting of mono-substituted aminoindanols having the formula



wherein the methoxy radical is attached to a carbon atom of the 6-membered ring other than that in the 4 position and R is from the group consisting of the amino, monoalkylamino, lower di-n-alkylamino and monoaralkylamino radicals, and addition salts thereof with acids.

2,549,685
DIOXY SUBSTITUTED 2-AMINOINDANOLS
Richard V. Heinzelmann, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 30, 1948, Serial No. 52,120
6 Claims. (Cl. 260—570.5)

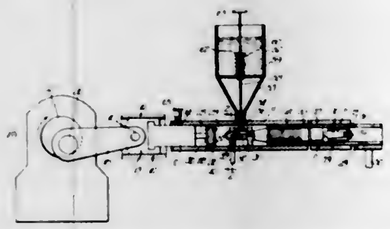
1. A compound from the group consisting of di-substituted aminoindanols having the formula



wherein R' is a methoxy radical, R'' is in a position ortho to R' and is from the group consisting

of the hydroxy and methoxy radicals and R is from the group consisting of the amino, monoalkylamino, lower di-n-alkylamino and monoaralkylamino radicals, and addition salts thereof with acids.

2,549,686
APPARATUS FOR THE EXTRUSION OF PIPE
Julius A. Hjulian, Palos Heights, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 16, 1949, Serial No. 115,974
5 Claims. (Cl. 25—15)



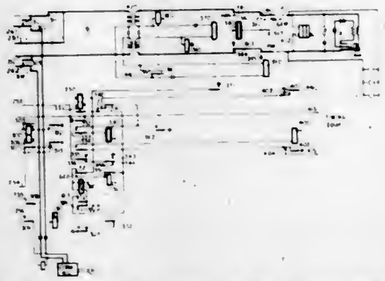
1. Apparatus for the extrusion of pipe or the like from a water carrying slurry, comprising a pressure chamber having open ends, a pressure piston fitted into one end of the chamber, means for reciprocating the piston, the wall of the pressure chamber having an opening therein spaced from the inner limit of piston movement, means for supplying slurry through said opening, a mandrel located within said chamber and supported by means connecting the mandrel to the inner walls of the pressure chamber, and a movable support sleeve fitted between the mandrel and inner wall of the pressure chamber, and braking means adapted to engage the support sleeve to restrain it against movement.

2,549,687
HEAT EXCHANGER
Delbert E. Jack, New York, N. Y., and James M. Williamson, Dayton, Ohio, assignors to The Duriron Company, Inc., New York, N. Y., a corporation of New York
Application November 21, 1947, Serial No. 787,362
4 Claims. (Cl. 285—22)



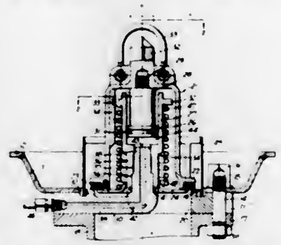
2. In a heat exchanger, an outer tube, an inner tube extending through said outer tube and out both ends thereof and having one end outwardly flanged, sealing means between the other end of said inner tube and the end of said outer tube, and sealing means between said tubes at the flanged end of said inner tube comprising an annular flange surrounding said inner tube behind its flanged end and having its inner periphery beveled, a first gasket between said annular flange and the end of said outer tube, a second gasket between the beveled periphery of said inner flange and the flange on said inner tube, and clamping means engaging the end of said inner tube and forcing it toward the end of said outer tube thereby to compress said gaskets.

2,549,688
MAGNETO PARTY-LINE ADAPTER
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware.
Application October 18, 1947, Serial No. 780,613
11 Claims. (Cl. 179—27)



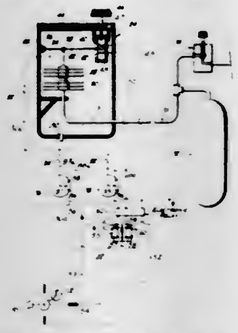
1. In a telephone system, a line comprising a plurality of magneto subscriber substations, a hand generator accessible to each subscriber for applying ringing current to said line, a magneto line adapter circuit individual to said line, an operator's position, means in said adapter circuit for extending a connection to said operator's position responsive to a single application of ringing current to the line by a subscriber, and means responsive to a second application of ringing current to the line by said subscriber to prevent said adapter from extending the call to the operator.

2,549,689
FLUID OPERATED VALVE
Albert E. Jurs, Jr., Berkeley, Calif., assignor to Shand & Jurs Company, Berkeley, Calif., a partnership
Application January 7, 1946, Serial No. 639,566
9 Claims. (Cl. 137—21)



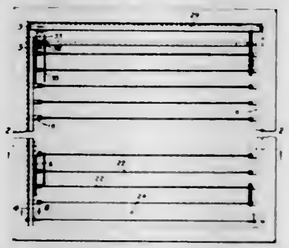
7. In a fluid operated valve adapted for installation in the wall of a tank, a body member adapted to be fixed to said wall, a valve seat formed on one face of the body, the body having an opening through the seat and through which liquid may flow from the tank, a movable valve member cooperating with the seat, means including relatively movable piston and cylinder parts for effecting movement of the valve member between open and closed positions responsive to application of fluid pressure, one of said parts being attached to the movable valve member and the other of said parts having a non-rotatable engagement with the movable valve member, and means forming a detachable engagement between said other part and the body, the valve member being formed for engagement with a tool to enable the valve member together with said piston and cylinder parts to be removed or applied to the body as a unit.

2,549,690
CABIN PRESSURE CONTROL
Wolfgang B. Klemperer, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application April 6, 1942, Serial No. 437,921
48 Claims. (Cl. 98—1.5)



1. In an aircraft cabin adapted to be supercharged above the ambient atmospheric pressure, supercharging means, comprising a blower, at least one outlet valve for discharging vitiated air from the cabin, a servomotor adapted to control said valve, a regulator operative to actuate said motor in response to any departure of cabin pressure from a value functionally correlated with flight altitude pressure, means adapted to vary the functional relation between flight altitude pressure and cabin pressure, means adapted to govern the flow of supercharging air into said cabin, means adapted to adjust the said regulator to a set equalizing altitude above which supercharging begins and below which supercharging ceases, means adapted to limit and delay the response of said motor to excessive or sudden variations of the functional relation of flight altitude, means adapted to govern the flow of supercharging air from said cabin, and means for assuming manual control of said valve in event of failure of said motor.

2,549,691
VENETIAN BLIND
Edmund J. Klonowski, Buffalo, and Jacob Busch, Tonawanda, N. Y.,
Application August 2, 1948, Serial No. 41,965
3 Claims. (Cl. 160—172)



1. A Venetian blind comprising a fixed head board and a vertically movable bottom board, a pair of vertical guide channels at each end of the bottom board, a tilting rod rockably supported in said guide channels under the head board, rigid cross members secured to the ends of the rod and positioned in the guide channels for tilting movement, a pair of tapes attached at their upper ends to the ends of the cross members and extending downwardly therefrom in the guide channels, cross tapes carried by the pairs of tapes, connectors projecting from the ends of the bottom board into the guide channels for vertical sliding and tilting movement, said connectors being attached to the lower ends of said pairs of tapes, a plurality of slats positioned between the head and bottom boards, means slidably and tiltably positioned in the guide channels and connecting the ends of the slats to the cross tapes, cords extending downwardly in the guide channels and attached at their lower ends to the connectors for the bottom board to raise the bottom board and the slats, and slat tilting means carried by the head board and connected to the rod to rock the rod for oppositely raising and lowering said pairs of tapes.

2,549,692
MACHINE FOOT AND ANCHORAGE
Lawrence E. Lentz, New Canaan, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1947, Serial No. 743,253
1 Claim. (Cl. 248—24)



A foot body of a resilient material for use in supporting a machine resiliently, comprising, a relatively large-expanse base portion headed by a smaller diameter cylindrical upper portion, the cylindrical exterior of the smaller diameter portion being adapted to fit slidingly a cylindrical interior of a socket of a foot cap of rigid material, said base portion having a shallow bottom cavity leaving a relatively narrow perimeter portion for contact upon a supporting plane, the foot body further having a vertical central bore for accommodation of a securing screw which is adapted to pass upwardly through a central perforation in the foot cap, said central bore having an enlargement above said cavity to recess the head of the securing screw, and the cylindrical smaller diameter portion of the body having at the top an annular recess leaving a raised central area around the bore for sole loading contact against the cap in the socket thereof. supporting contact against the cap in the socket thereof.

2,549,693
TROUSER WAISTBAND CONSTRUCTION
Irving I. Levine, Columbus, Ohio, assignor to The Hercules Trouser Company, Columbus, Ohio
Application April 11, 1947, Serial No. 740,867
8 Claims. (Cl. 2—236)



3. Trousers comprising right and left leg portions, each of said leg portions being provided with a waistband section, said waistband section being secured to and co-extensive throughout its area with the upper part of said leg portion, said upper part constituting a waist band zone, said leg portions including said waist band zones and said waist band sections being united in the rear by a longitudinal line of stitching at a distance from the adjacent, rear lateral edges thereof to provide marginal extensions, said line of stitching and said marginal extensions terminating within the waistband zones at a distance from the top edges of said leg portions, said marginal extensions being folded back flat against said leg portions.

2,549,694
SIGNAL ATTACHMENT FOR FISHING POLES
Lewis G. Leyda, Charlerol, Pa.
Application February 17, 1949, Serial No. 76,865
3 Claims. (Cl. 43—17)



1. In a conductive fishing rod handle, a switch comprising a conductive support mounted on the handle, a contact carried by the support, a coil spring secured at one end to the support and having a free end disposed adjacent the contact and responsive to a pressure on a fishing line for engaging the contact, and means threaded to said support and extending axially through said coil spring for limiting the flexing movement of said spring whereby a predetermined pull on a fishing line is required for flexing the spring into engagement with the contact.

2,549,695
CHILD'S DOLL AND HANDBAG
Rosalie B. Linder, New Orleans, La.
Application April 17, 1950, Serial No. 156,293
5 Claims. (Cl. 46—116)



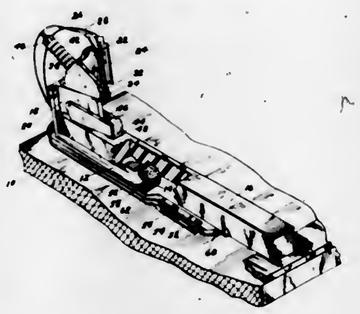
1. In a doll, a tubular dress element closed at the bottom, a horizontal base plate secured on the bottom of said dress element, an upright skeleton element secured on the base plate and projecting through and above the upper end of said dress element, a head mounted on the projecting upper end of the skeleton element, and means constricting the dress element a short distance below its upper end.

2,549,696
IMPULSE CORRECTING REPEATER-SELECTOR SYSTEM
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 24, 1947, Serial No. 756,581
3 Claims. (Cl. 179—16)



1. In combination, a selector switch and a repeater, a trunk connected therebetween, an incoming line to said repeater, means for seizing said repeater over said line and transmitting series of impulses thereover, a condenser and a resistance in said repeater, a line relay in said selector operable to repeat impulses received therefrom, circuit means for operating said line relay responsive to said seizure of said repeater, means in said repeater operated responsive to receipt of a series of impulses over said incoming line for connecting said condenser and said resistance in series across said trunk on pulses subsequent to the first to delay each release of said line relay on pulses subsequent to the first whereby said delayed release of said line relay equalizes the time duration of each said subsequent pulse to be repeated with respect to the time duration required by the first pulse of the series to be repeated.

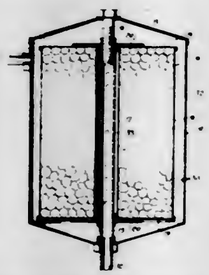
2,549,697
KEY OPERATED SWITCH FOR MUSICAL INSTRUMENTS
George H. Marmont, Chicago, Ill., and Warren A. Rice, Detroit, Mich., assignors to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1946, Serial No. 697,326
6 Claims. (Cl. 200—52)



6. A key for a musical instrument comprising a support, a bracket on one end of the support, a fulcrum on the other end of the support, a member supported on the fulcrum having a bifurcated end receiving the bracket, a switch mounted beneath and controlled by the member, a second switch supported on the bracket, an actuator therefor, means for imposing a load on the actu-

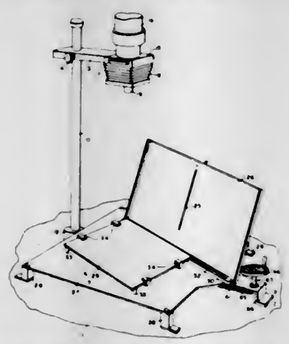
ator and a hammer pivoted on the bracket for transmitting energy from the member on the fulcrum to the actuator.

2,549,698
ENGINE OIL FILTER
Veyne V. Mason, Los Angeles, Calif.
Application May 6, 1950, Serial No. 160,414
4 Claims. (Cl. 210—131)



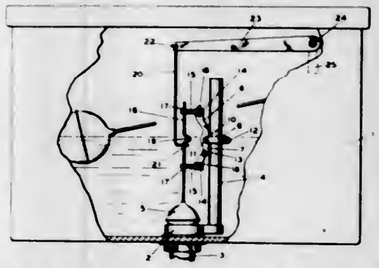
1. An oil filter element capable of removing colloidally suspended particles in oil being filtered, comprising a receptacle containing an oil-passing compacted mass of pellets each having a dimension through the pellet of at least about one-quarter inch and being formed of newsprint paper crumpled to present sharply defined outer folded edges and oil penetrable voids formed by the paper folds and extending deeply into the pellet between said edges and between the intercontacting surfaces of the pellets, the oil being filtered passing over and in contact with the surfaces of the paper and carbonaceous particles being depositable from the oil on opposite surfaces of the paper within the voids.

2,549,699
PHOTOGRAPHIC METHOD AND APPARATUS
Dean B. McLaughlin and Gerald S. Perkins, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 19, 1945, Serial No. 617,370
6 Claims. (Cl. 88—24)



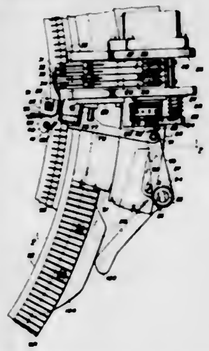
1. A photographic easel comprising a support for a sheet of film or paper, an opaque mask positioned over said support and having a slot formed therein, means for moving said paper support at right angles to said slot, and means for moving both said mask and said paper support together as a unit in an arcuate path in a plane parallel to the plane of the sheet of film or paper.

2,549,700
GUIDE FOR BALL FLUSH VALVES
Leslie A. Minton, Portland, Oreg.
Application July 8, 1948, Serial No. 37,699
5 Claims. (Cl. 4—57)



1. A guide and support for a valve for flush tanks comprising in combination a valve seat, a vertically disposed valve stem and valve cooperating with said valve seat, the valve stem having a lug, a vertically disposed support adjacent said valve seat to be parallel with the valve stem, a bracket, means connected to said bracket for adjustably securing said bracket to the vertical support, a pair of support elements respectively at the upper and lower ends of said bracket, a pair of guide members each having an opening for slidably receiving the valve stem, said guide members respectively being adjustably mounted on said support elements with their openings in vertical alignment and slidably guiding said valve stem, a pivoted operating lever, and a pull-rod pivoted to the operating lever and loosely embracing the valve stem for engagement with the lug to open the valve.

2,549,701
APPARATUS FOR KNITTING STRIPED FABRIC
Samuel Mishcon, Queens, Harry Agulnek, Brooklyn, and Lester Mishcon, Queens, N. Y., assignors to Supreme Knitting Machine Co., Inc., New York, N. Y., a corporation of New York
Application April 15, 1949, Serial No. 87,634
30 Claims. (Cl. 66—140)



1. In a knitting machine of the type containing a striping yarn feeding unit for moving selected yarns between a non-knitting and a knitting position, the combination of a releasable yarn clamp with separable elements for holding the yarns operatively extending from said feeding unit, a pusher member movable between retracted and projected limiting positions, the operative path of the member between said positions intersecting the path of yarn extending from said unit at the said knitting position, whereby the pusher member will during its forward movement engage and carry forwardly a yarn in its said path, said pusher member being engageable with the clamp between the separable elements thereof, whereby the yarn carried by said member will be brought into operative engagement with the clamp.

2,549,702
FEED SLEEVE CONNECTION FOR DRILLING MACHINES AND THE LIKE
Frank H. Mueller and John J. Smith, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application March 7, 1949, Serial No. 79,942
4 Claims. (Cl. 77—37)



1. A drilling machine of the class described having in combination, a tubular body member provided with an externally threaded outer end portion, a rotatable and axially movable tool extending into said body member, a manually operable feed sleeve having an internally threaded portion connected to the external threads of said body member so that rotation of the feed sleeve imparts axial movement thereto relative to the body member, said sleeve having diametrically opposed bayonet slots in the upper end thereof, a collar rotatably mounted on said tool and extending within said sleeve, means for retaining the collar on the tool, said collar having radial pins arranged to engage said slots for connecting the collar to the sleeve so as to cause the collar to be moved axially with the sleeve when the latter is rotated by one hand of the operator, and a handle operatively connected to the tool for rotating the same by the other hand of the operator, the parts being constructed and arranged so that when the collar is connected to the sleeve simultaneous rotation of the handle and the sleeve imparts axial movement to said tool.

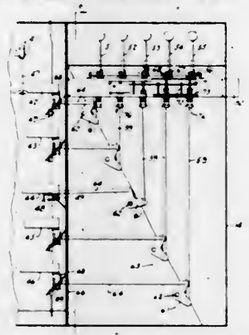
2,549,703
SURGICAL BANDAGE FOR THE ARM, SHOULDER, AND CLAVICLE
Mary W. New, Alexandria, Va.
Application July 15, 1947, Serial No. 761,014
5 Claims. (Cl. 128—94)

1. A surgical bandage including a portion adapted to embrace the top, front and rear of a patient's shoulder and the outer surface of the upper portion of the arm associated with said shoulder, portions extending from said first-mentioned portion and adapted to pass across the back of the shoulder and across the chest of the patient and to be drawn tightly and fastened together about the body of the patient to press the upper portion of the patient's arm in close contact with the adjacent portion of the patient's



body and to thus render said shoulder and upper portion of said arm immobile, each of said portions comprising a panel of flexible material having a normally free outer end and the inner ends of said panels being joined together at a common seam, and a depending portion below said first-mentioned portion adapted to be folded upwardly around the forearm of the immobilized arm and fastened to said first-mentioned portion to form a sling for supporting said forearm.

2,549,704
AGGREGATE BATCHER BY WEIGHT
Jack D. Noble, Oakland, Calif., assignor to Noble Company, Oakland, Calif., a partnership consisting of Bert Noble and Jack D. Noble
Application December 8, 1945, Serial No. 633,593
6 Claims. (Cl. 249—14)



6. In apparatus for use in forming batches of concrete and similar road mixtures, a weighing bin for receiving the ingredients of the mixture, a plurality of storage bins disposed to feed material to said weighing bin, means for controlling selective discharge of ingredients from each of said storage bins into said weighing bin, said discharge controlling means including a series of manually operable control levers, a latch common to said control levers for holding an operated one of said levers in its operative position, means serving to urge each of said levers toward the release positions of the same, means for effecting automatic release of a control lever when another one of said control levers is moved from release to material feed position, releasable locking means for said latch, means controlled by said latch upon movement thereof into latching engagement with one of said control members for causing said locking means to lock the latch in such engagement, and means controlled by said weighing bin for releasing said locking means at the end of a material feeding and weighing operation.

2,549,705

COLD-REDUCING TUBULAR SECTIONS

John W. Offutt, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey

Application November 5, 1946, Serial No. 707,933
3 Claims. (Cl. 205—4)



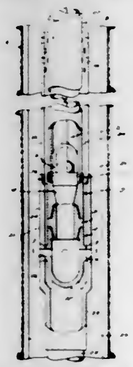
1. In apparatus for reducing tubular sections by passage through a reducing die, a reciprocable mandrel constructed and arranged to be extended through the reducing die to define the interior diameter of a workpiece reduced therebetween, a cylindrical pusher member having a slightly smaller outside diameter than the inside diameter of said die reciprocably mounted concentrically and externally of said mandrel, means for pushing said member through said die and means for stripping a reducing workpiece from said die.

2,549,706

BOTTOM HOLE SEPARATOR

John S. Page, Long Beach, Calif., assignor to Page Oil Tools Inc., Long Beach, Calif., a corporation of California

Application February 24, 1948, Serial No. 10,370
8 Claims. (Cl. 103—203)



1. A separator applicable to a tubing located in a casing including, an inlet fitting for connection with the tubing, the fitting being closed at its lower end and opening upwardly into the tubing, a tubular body carried by the fitting open at its ends and surrounding the tubing with clearance and fitting the casing with clearance, a packer between the body and casing and having a sealing part actuated to seal with the casing by fluid pressure against its lower end, and an inlet duct connecting the exterior of the body with the fitting at a point above the packer, the body having a section depending below the fitting and slidably carrying the packer.

2,549,707

FIRE ESCAPE

Philo G. Plummer, Wasco, Ill.

Application May 17, 1948, Serial No. 27,393
1 Claim. (Cl. 227—31)

A fire escape comprising a vertical upright tubular support spaced outwardly from a wall having vertically alined windows, a carrier interposed between the wall and the tubular support and inwardly spaced from the tubular support, a counterweight in the tubular support, a pulley above the tubular support, a flexible member connecting the counterweight and extending upwardly and over the pulley and downwardly and connected to the carriage, a vertically disposed guide plate secured to the inner side of the tubular support in parallel relation to the wall and having its opposite sides extending beyond the opposite sides of the tubular support, spaced vertical flanges carried by the inner side of the plate



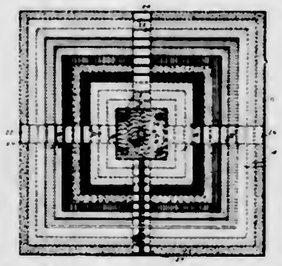
and spaced inwardly from the sides of the plate, a guide member carried by the carriage and extending outwardly between the spaced flanges, brackets carried by the carriage and extending outwardly and overlying the edges of the sides of the plate, anti frictional bearings carried by said brackets and cooperating with opposite sides of the sides of the plate, a brake lever hingedly connected to the outer side of the carrier and between the carrier and the spaced flanges and brake shoes carried by said lever and cooperating with the outer sides of the spaced flanges for a braking operation.

2,549,708

CHANCE CONTROLLED GAME BOARD APPARATUS WITH CARDS AND DICE

Durrel E. Post, Gates Mills, Ohio

Application July 19, 1946, Serial No. 684,889
2 Claims. (Cl. 273—135)



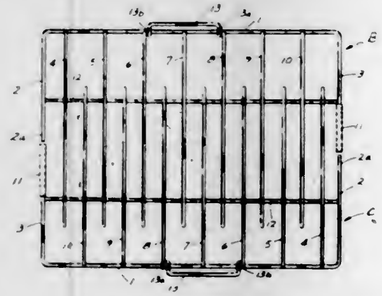
1. A game apparatus comprising a rectangular game board having a rectangular central platform zone provided with a plurality of positions each having a distinguishing designation, a plurality of rectangular bands of equal width successively surrounding said central zone and varying from said zone and from each other in color, a plurality of colorless areas of equal size on said bands forming four colorless paths extending from the perimeter of the board substantially across said bands to the central zone, a plurality of sets of cards of substantially the same size as said colorless areas, each set of cards including one card corresponding in color with the color of each of said bands whereby when a card corresponding in color with a band is placed on the colorless area of such band the coloring of the band will be completed, there being a greater number of sets of cards than there are paths of colorless areas, a second set of cards having designations thereon corresponding to the designations of the positions on said central zone, and a chance-indicating means having a position colored to represent each card of a set, and a chance-indicating means having designations corresponding with the designations of the positions in said central zone.

2,549,709

RACK CONSTRUCTION FOR ROASTERS

Myrle A. Potts, Parma Heights, Ohio, assignor of thirty-three and one-third per cent to Paul C. Potts and thirty-three and one-third per cent to Davis J. Parker, both of Parma, Ohio

Application August 12, 1949, Serial No. 109,969
4 Claims. (Cl. 99—449)



1. A cooking rack comprising two identical complemental grill sections, each grill section comprising a U-shaped structure including a side frame part consisting of a heavy wire member having its ends bent at a right angle to form grill bars at opposite ends thereof, a plurality of intermediate grill bars composed of heavy wire members secured at one end to said frame part in spaced parallel relation to the end grill bars, and a cross bar attached at its ends to the bent ends of the U-shaped structure, the cross bar of each grill section underlying and supporting the intermediate grill bars of the other grill section, and means on each section having telescoping relation with one of the grill bars on the other section.

2,549,710

MANUFACTURE OF DERIVATIVES OF DI-SUBSTITUTED METHANE COMPOUNDS

Gordon James Pritchard, Halewood, Liverpool, England, assignor to Ward Blenkinsop & Company Limited, London, England, a company of Great Britain

No Drawing. Application June 23, 1947, Serial No. 756,562. In Great Britain October 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1965
3 Claims. (Cl. 260—433)

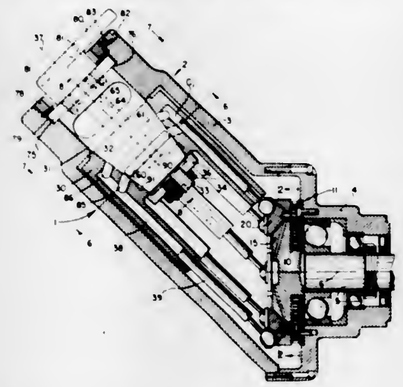
1. A process for the preparation of derivatives of disubstituted methane compounds which comprises reacting formaldehyde with a salt formed from a sulphonic acid selected from the group consisting of phenol sulphonic acids, alkyl phenol sulphonic acids, carboxyl phenol sulphonic acids, diphenyl and alkyl diphenyl mono- and disulphonic acids, benzene sulphonic acids, sulphobenzoic acids, naphthalene and alkyl naphthalene mono- and disulphonic acids, naphthol and alkyl-naphthol sulphonic acids and nuclear substituted halogen derivatives of said acids, and an organometallic compound of the general formula R_2MA where R is a hydrocarbon radical, M is mercury and A is a univalent anion.

2,549,711

AXIAL TYPE FLUID POWER UNIT

Zorro D. Ruben, Tucson, Ariz.

Application May 8, 1948, Serial No. 25,943
13 Claims. (Cl. 74—25)



4. In combination a longitudinally reciprocating member, mounting means therefor, rotatable about an axis of rotation parallel to and spaced from the longitudinal axis of the member, a second member rotatable about a second axis of rotation intersecting the first axis and inclined thereto and also inclined to the normal thereto, means establishing a power transmitting connection between the two members including a third member rotatably mounted on the second member for rotation about a third axis of rotation spaced from the second axis of rotation, and means for rotating the third member about the third axis at an angular speed twice that of the second member.

2,549,712

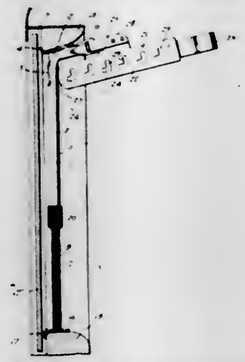
AUTOMOBILE ATTACHABLE COAT HANGER SUPPORT

William Schwartz, Long Island City, N. Y., assignor to Sanjo Utility Manufacturing Co., New York, N. Y., a copartnership

Application February 24, 1949, Serial No. 78,174
2 Claims. (Cl. 224—42.45)

1. A garment hanger comprising a rack bar having openings for the attachment of conventional coat hangers therein, said rack-bar formed with an integral tongue spaced from certain of said openings, an upper tubular sleeve member and a lower rod member adjustably received in said sleeve, the remote ends of rod and said sleeve being formed with flanges adapted to engage between the frame and glass of an automobile window, means for clamping said flanges in place, said sleeve formed with a right-angled extension terminating at its upper end in a restricted open-

ing, said opening adapted to telescopically receive for support therein said tongue with freedom of slight rocking movement, whereby said

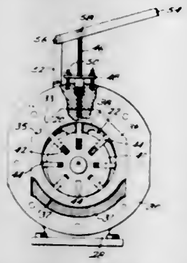


rack-bar will be supported in substantially horizontal position and the inner end of said rack-bar will be free to engage the sleeve with bracing effect.

2,549,713
METHOD OF PREPARING CELLULOSE FOR SUBSEQUENT TREATMENT WITH SODIUM HYDROXIDE
Joseph Seiberlich, Durham, N. H., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 6, 1948, Serial No. 19,438
9 Claims. (Cl. 260—212)

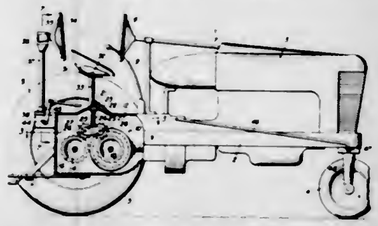
2. The method of increasing the absorptivity of cellulose for and its reactivity with sodium hydroxide which comprises immersing cellulose in a liquid consisting essentially of a chlorinated hydrocarbon having not more than three carbon atoms, and thereafter immersing the cellulose in a solution of sodium hydroxide.

2,549,714
REVERSIBLE ROTARY PUMP
Lon Shannon, Gold Beach, Oreg., assignor to Essaness Patents, Gold Beach, Oreg., a business trust
Application November 15, 1946, Serial No. 710,151
2 Claims. (Cl. 103—3)



1. In a rotary pump of the reversible type, the combination which comprises a pump housing having a pump rotor chamber therein, a rotor in said chamber having blades slidably mounted in radially disposed slots therein, said chamber having parallel vertically disposed sides, a flat upper surface normal to the vertically disposed sides, and having diagonally positioned sides forming the upper side of a hexagon, and the lower side of said chamber being arcuate and formed on a radius from the center of the rotor, a floating rotor case positioned in said rotor chamber and vertically slidable therein, the upper surface of said rotor case having flat surfaces forming part of a hexagon corresponding to and nesting in the upper end of the rotor chamber with the case in the uppermost position, and the lower surface of said rotor case also being arcuate and described on a radius corresponding to the radius of the lower end of the rotor chamber and nested therein with the rotor case in the lowermost position, said rotor case having a cylindrical opening therethrough in which the rotor is positioned, said pump housing having inlet and discharge connections with the inner ends thereof communicating with the pump chamber on opposite sides of the center thereof, a cover plate enclosing said rotor chamber, and means shifting the position of the said rotor case from the exterior of the pump housing.

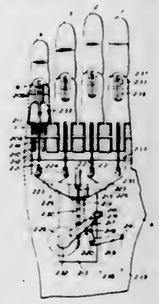
2,549,715
FORWARD AND REVERSE GEARING FOR TRACTORS
Kenneth Siang-Kan Wu, Ames, Iowa
Application November 18, 1947, Serial No. 786,617
2 Claims. (Cl. 74—355)



1. In a tractor having a pair of rear tractor wheels fast on separate aligned axles, a power drive for said axles including a pair of laterally spaced driving gears, a pair of driven gears fast on said axles and forming with said driving gears pairs spaced apart and co-planar in each pair, a pair of meshing tumbler gears associated with each pair of driving and driven gears, a rock shaft for revolving the pairs of tumbler gears into either of two positions in one of which said pairs of tumbler gears mesh, respectively, with the gears of the associated pairs and in the other of which one tumbler gear solely of each pair meshes with the pair of associated gears, means for manually rocking said shaft, and means for moving said shaft and tumbler gears away from said driving and driven gears for revolving of the tumbler gears into either position clear of said driving and driven gears, said means being operative to move said shaft and tumbler gears toward the driving and driven gears in either position of the tumbler gears to mesh said tumbler gears with the driving and driven gears.

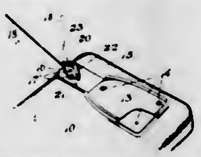
2,549,716
MECHANICAL ARTIFICIAL HAND
John Harold Simpson, County Down, Northern Ireland
Application January 20, 1947, Serial No. 723,113
In Great Britain January 31, 1946
6 Claims. (Cl. 3—12)

1. An artificial hand comprising a palm, fingers articulated on said palm, a guide secured to said palm and having a spring pressed pawl, a slide confined within said guide, a ratchet on said slide, finger actuating means between said slide and said fingers, resilient means between said finger actuating means and said slide, and slide actuating means secured to said palm whereby



when the fingers are stopped from moving forward by an object to be gripped further relative movement of said ratchet with respect to said pawl against the increasing force is provided to allow the pawl to seat behind the next tooth of said ratchet and thereby to increase the grip exerted by said fingers.

2,549,717
IRONING CORD HOLDER
John A. Snodgrass, Prescott, Ark.
Application January 21, 1947, Serial No. 723,428
2 Claims. (Cl. 248—51)

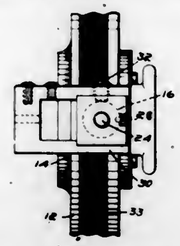


1. An ironing cord holder comprising a bracket having a flat plate portion adapted to be secured to a suitable base, a socket portion formed integral with the plate, and a ledge portion at right angles to the socket and spaced therefrom, a rod having a foot portion bent at an angle to the main portion of the rod and adapted to rest on said plate adjacent said ledge, and a pintle extending from the foot portion in a direction perpendicular to the plane of the rod and foot portion and being adapted to be detachably retained within said socket.

2,549,718
SCRAPER UNIT FOR ENDLESS MOVING SURFACES
William F. Spang, Milton, Mass., assignor to Cube Steak Machine Co., Needham Heights, Mass., a partnership
Application July 17, 1948, Serial No. 39,360
1 Claim. (Cl. 143—29)

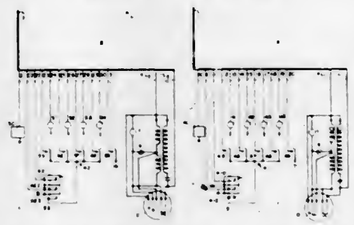
A scraper unit for endless moving surfaces, comprising a one-piece block having a straight bore circular in cross section extending thereinto from its forward face to an end wall at the rear face and a bore of reduced diameter through the wall coaxial with the first bore, a plunger slidable longitudinally in the bores and having a forward portion fitting the larger bore and a rear portion fitting the smaller bore, the forward portion of

the plunger having a key slot longitudinally therein, a releasable detent extending into the key slot and preventing rotation of the plunger but permitting its movement longitudinally, a scraping tool with a sharp cutting extremity on



the forward end of the plunger outside of the bore, resilient means normally forcing the plunger forwardly, a support disposed outside of and having an opening therein receiving and closely fitting the block, and a releasable detent carried by the support for engaging and holding the block in place therein.

2,549,719
EXECUTIVE'S AND SECRETARY'S TRUNK CONNECTIVE INTERCOMMUNICATION AND SIGNAL SYSTEM
Rudolph Frank Stehlik, Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 12, 1947, Serial No. 773,609
17 Claims. (Cl. 179—18)

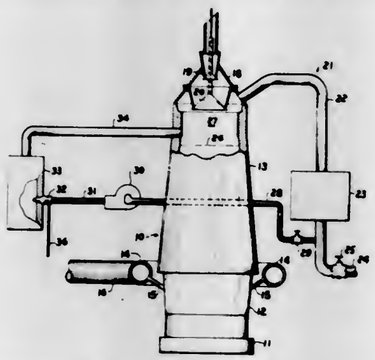


1. In a telephone system, a plurality of subscribers' stations, a plurality of trunk lines common to said stations, visual signaling means individual to each of said trunk lines at each of said stations, means responsive to a calling one of said trunk lines for operating the signal means individual thereto at a particular rate and at only a particular one of said stations, and means operated at said particular station after the operation of said signaling means for causing the signaling means at another one of said stations which is also individual to said calling trunk to operate at a different rate.

2,549,720
METHOD OF AND APPARATUS FOR REGULATING BLAST FURNACE TOP TEMPERATURE
Julius H. Strassburger, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application December 1, 1947, Serial No. 789,001
8 Claims. (Cl. 75—41)

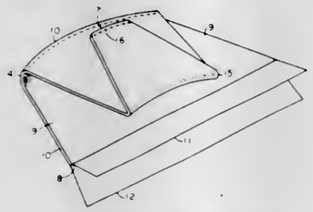
3. Method of continuously operating a blast furnace of the type in which a charge is progressively smelted to produce molten iron and com-

bustible top gas above the charge, said method comprising, withdrawing the top gas from the furnace, mixing at least part of the withdrawn top gas with combustion supporting gas to form a combustible mixture, and burning the combustible mixture and forming hot gaseous products of combustion and mixing the hot products of



combustion with the relatively cooler top gas in the furnace above the charge to form a gas mixture having a temperature higher than the top gas, said products of combustion being introduced into the furnace at a point above the charge and then being withdrawn with the top gas.

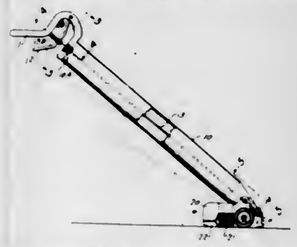
2,549,721
ANTENNA SYSTEM OF VARIABLE DIRECTIVITY AND HIGH RESOLUTION
Henry A. Straus, Brookline, Ivan A. Getting, Belmont, and Lan Jen Chu, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 16, 1944, Serial No. 535,856
30 Claims. (Cl. 250—33.63)



9. An antenna comprising two spaced plates, said plates being formed with at least one direction change along a fold line transverse to the longitudinal axis of said plates, said fold line having a substantial departure from a straight line.

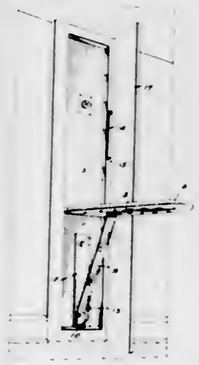
2,549,722
LINE MARKING DEVICE
Harold C. Sweet and William A. Chilman, Detroit, Mich., assignors to H. C. Sweet Company, Detroit, Mich., a partnership composed of Harold C. Sweet and William A. Chilman
Application October 12, 1946, Serial No. 702,916
1 Claim. (Cl. 91—12)

A line marker for floors or other surfaces consisting of a tubular member constituting a reservoir adapted to contain a line marking fluid such as paint, and also adapted to serve as an operating handle, said member terminating at its forward end in a nozzle, means carried thereby to control the flow of fluid through said nozzle, a brush carrier pivotally mounted at the nozzle end of said reservoir, said nozzle projecting beyond the pivot point, said carrier comprising side plates and spaced cross plates arranged intermediate the ends of said side plates, supporting wheels for said carrier, said wheels being carried upon an axle extending through said side plates near the forward ends of the latter and



in substantially vertical alignment with the said pivot point, said pivot point being spaced vertically from said axle to allow the reservoir handle to swing through a limited arc, a brush supported between said cross plates, said reservoir handle when swung beyond said limited arc adapted to lift said carrier and brush by striking one of said cross plates and swinging the carrier upwardly about the rear ends of the side plates as a fulcrum or by contacting the nozzle with the axle and lifting the carrier upon the wheels and axle as a fulcrum.

2,549,723
IRONING BOARD
James L. Thatcher, Sharpes, Fla.
Application July 3, 1950, Serial No. 171,864
2 Claims. (Cl. 38—129)



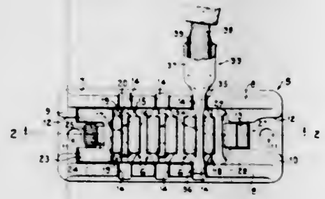
1. In a folding ironing board, a vertical supporting member, an ironing board hingedly connected to said supporting member, a pivoted leg secured to the under side of said ironing board, a stop block mounted at the lower end of the vertical supporting member, a vertical guide rod, a screw eye extending from one edge of the leg in which the guide rod is disposed, guiding the free end of the leg member in its movements towards and away from the stop block, and a securing hook for securing the ironing board in its folded position.

2,549,724
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 25, 1948, Serial No. 29,161
3 Claims. (Cl. 70—370)



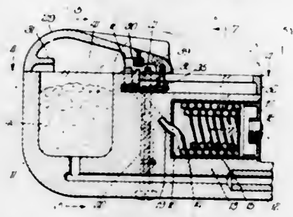
2. A mounting for a lock, comprising, a support having an opening, a retainer secured to said support comprising a sheet metal body bent to provide a base having an opening aligned with the opening in the support and side walls supporting said base in spaced relation to said support, one of said side walls having an aperture, tongues on said one side wall extending into said aperture, and a bolt or screw extending through said aperture and engaged by said tongues for exerting a clamping action on a lock mounted in said openings of said support and retainer.

2,549,725
ELECTRICAL TERMINAL BLOCK
William A. Uline and Howard P. Rowell, Sidney, N. Y., assignors to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application December 10, 1945, Serial No. 634,004
3 Claims. (Cl. 173—334)



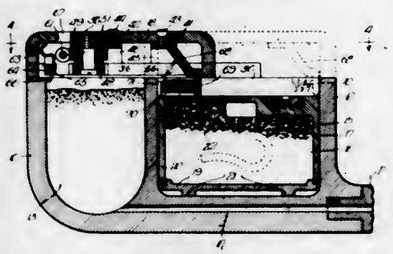
1. In a device of the character described, a box-like structure formed of insulating material and having a base and a pair of side walls, said side walls being provided with a plurality of longitudinally spaced vertically extending slots arranged in transversely aligned pairs and opening outwardly through the upper edges of said side walls, a plurality of electrically connected contacts secured to said base, each of said contacts comprising at least two spaced vertically extending resilient strips of electrically conductive material extending transversely of said base in alignment with a pair of said slots, and a conductor terminal adapted to be electrically connected with said contacts through the upper open ends of said slots, said terminal comprising a member having a flat elongated knife-like portion engageable between said spaced contact strips and provided at each end thereof with enlarged portions for preventing axial displacement of said terminal from the contact engaged thereby.

2,549,726
COMBINATION PIPE AND LIGHTER
John Van Toll, Chicago, Ill.
Application July 9, 1945, Serial No. 603,787
15 Claims. (Cl. 131—185)



1. In a tobacco smoking pipe having a bowl with a tobacco receiving recess, a lighting mechanism disposed at the side of the bowl, a flame guard, and means mounting said flame guard for movement from a position over the lighting mechanism to a position over the pipe bowl to direct a flame from the lighting mechanism into the bowl, said flame guard having a transverse dimension to cover the major portion of the bowl recess when in position thereover.

2,549,727
COMBINATION PIPE AND LIGHTER
John Van Toll, Chicago, Ill.
Application March 18, 1947, Serial No. 735,431
10 Claims. (Cl. 131—185)

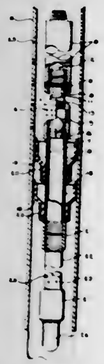


1. In a tobacco smoking pipe, a bowl having a rearward extension, said rearward extension having a recess, a lighting mechanism having a portion thereof removably positioned in said recess, said lighting mechanism comprising a fuel container and a laterally movable downwardly opening cap thereon, said cap being movable forwardly on said bowl extension to position a portion of the open bottom thereof over said bowl, said cap having a flint holder and a striker element therefor, a wick extending from said fuel container to a point adjacent said striker element and having one end movable with said cap, and cooperating means on said cap and said fuel container for operating said striker element to light said wick when said cap is moved into position over said bowl.

2,549,728
MEANS FOR ACIDIZING GAS WELLS
Elbert S. Villines, Lakin, Kans.
Application August 8, 1947, Serial No. 767,409
1 Claim. (Cl. 166—1)

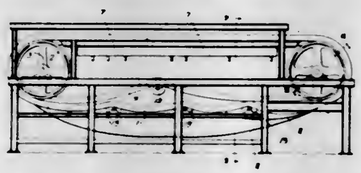
Apparatus for acidizing gas wells comprising a tool body having an upwardly facing packet cup on its outer surface for sealing engagement with the wall of a well bore upon existence of pressure

above said packer cup greater than the pressure below such cup, a longitudinal passage through said body, a tubing anchor depending from said body for supporting said body above the bottom of a well, perforations above and below said packer cup communicating with said passage to permit flow of gas upwardly through said passage from below said packer cup during lowering of said apparatus into a gas well, a one-way valve in said passage preventing flow of fluid downwardly through said passage, a cable for lowering said body into a gas well, releasable means for connecting said cable to said body, said means comprising an upwardly extending member on said body having a transverse opening therethrough, the outer ends of said transverse open-



ing terminating in vertical grooves in the side walls of said upwardly extending member, said grooves extending downwardly from said ends of said opening, a letting-in tool secured to said cable, said letting-in tool having a central cavity therein for reception of said upwardly extending member, and a bendable pin extending through said opening in said upwardly extending member and having its outer ends extending into the side walls of said cavity to support said body member from said letting-in tool, said bendable pin being capable of having its outer ends bent downwardly into said grooves and out of holding engagement with the side walls of said cavity upon dropping said body and letting-in tool a short distance to cause said tubing anchor to strike the bottom of a well.

2,549,729
ENDLESS BELT FILTER
John Gunnar Wallny, Landskrona, Sweden
Application December 2, 1947, Serial No. 789,149
In Sweden December 14, 1946
3 Claims. (Cl. 210—197)



1. A filtering or washing apparatus comprising, in combination, a stationary elongated suction box structure, wheels disposed beyond the ends of the suction box structure, an endless traction belt of relatively small width, running over said wheels and sliding on its upper run on the suction box structure longitudinally thereof, means for driving said traction belt by imparting rotary motion to one of the wheels over which it is running, freely rotatable pulleys coaxial with said wheels, an endless conveyor belt of relatively large width, running over said pulleys and reposing on its upper run on the upper run of the traction belt in frictional engagement therewith, said traction and conveyor belts having openings for draining the upper run of the conveyor belt to the suction box structure, said freely rotatable pulleys for the conveyor belt being of a larger diameter than the diameter of said wheels for said traction belt and holding the conveyor belt out of frictional coupling contact with the traction belt when said traction belt and said conveyor belt pass over the coaxial wheels and freely rotatable pulleys, respectively.

2,549,730
GLIDER-TYPE GARMENT HANGER
Moses Wassarman, Milford, Mass.
Application May 10, 1949, Serial No. 92,429
4 Claims. (Cl. 223—85)



1. An attachment of the class described comprising a linearly straight coiled spring having a hook at one end and a screw closing plug at the opposite end, an axle disposed in spaced parallelism in respect to said spring and having lateral end portions attached to predetermined coils in said spring, and an idling roller mounted on said axle between said end portions, said roller being disposed in spaced parallelism relative to said spring.

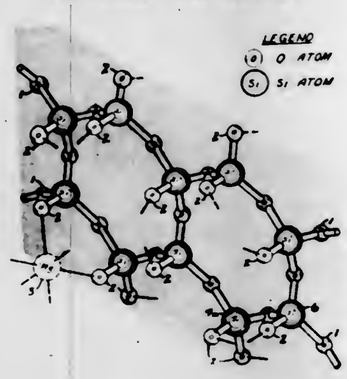
2,549,731
FLEXIBLE TEST PROD
Vincent E. Wattley, Bronx, N. Y.
Application December 18, 1944, Serial No. 568,694
1 Claim. (Cl. 173—273)



In a tool for use in connection with electrical appliances the combination of an elongated casing insulated from end to end and having laterally extending opposed handles at one end thereof and an open outwardly flared mouth at the opposite end, said casing having a passageway therethru and a flared entrance in said mouth, a reciprocatory plunger in said passageway having an end extending from that end of the casing which is provided with handles, said plunger at its end adjacent the handles of the casing being provided with insulation handles spaced from

and beyond the handles of the casing, spring means normally forcing the handles of the casing and plunger relatively apart and retracting the plunger within the casing, and a pair of inherently opening spring gripping jaws connected upon the end of the plunger opposite the handles, said plunger and jaws being so constructed and arranged with respect to the casing that when the plunger is urged by the spring means to the limit of its retraction in the casing said jaws will engage in the flared mouth in a contracted clamping relation, said casing and plunger each including a rigid portion adjacent to the handle end of the tool and a long flexible portion connected to the rigid portion at the jaw end of the tool, the flexible portion of the plunger being disposed within and operating within the flexible portion of the casing to assume a flexible length of the assembled device.

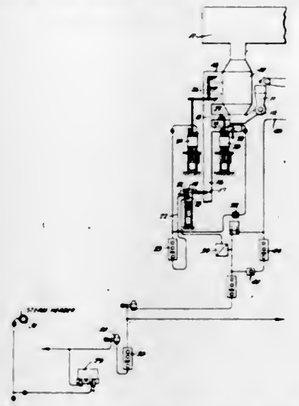
2,549,732
PRODUCTION OF POLYMERIZED POLYESTER RESIN MATERIALS OF SUPERIOR WATER RESISTANCE AND ELECTRICAL PROPERTIES
Welcome I. Weaver, Huntington, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 15, 1950, Serial No. 156,152
24 Claims. (Cl. 260—40)



1. A composition comprising (*a*) a polymerizable unsaturated polyhydric alcohol-polycarboxylic acid polyester and (*b*) fibers of crystalline fibrous silicates consisting essentially of anhydrous silicates of divalent metals; the proportion of (*a*) to (*b*) ranging from 100:1 to 1:3.

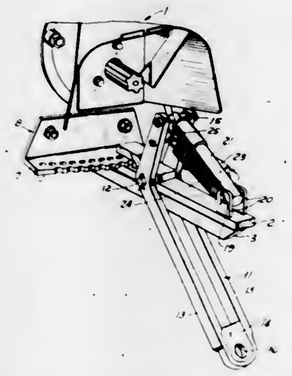
2,549,733
COMBUSTION CONTROL APPARATUS
Alfred C. Wensel, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application April 8, 1948, Serial No. 19,810
7 Claims. (Cl. 236—26)

2. Combustion control apparatus comprising a fuel feeding device, a regulator for the fuel feeding device to control the rate of fuel feed, a transfer unit receiving fuel from the feeding device to transfer it to a combustion zone, means connecting the regulator to the transfer unit to control the regulator in response to the weight of fuel on the transfer unit, an air supply conduit, control means to control the air flow through the supply conduit, a regulator for the control means, and



means to supply a loading force to the regulators simultaneously to control the regulators to maintain a desired combustion rate.

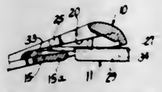
2,549,734
DRAWBAR PICKUP
Carl E. White, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application July 8, 1947, Serial No. 759,583
4 Claims. (Cl. 280—33.44)



1. A drawbar construction comprising a relatively narrow elongated frame for being substantially centrally secured to one end of a tractor and extending outwardly therefrom, a bellcrank hitch portion pivotally connected about a substantially horizontal axis to said frame at a distance from the outer end thereof somewhat less than the length of the outer leg of said bellcrank so that said leg extends outwardly beyond said frame for connection to the drawbar of a drawn vehicle, the outer end portion of said leg being movable about said pivot to positions adjacent to and a distance above the ground, a fluid pressure cylinder having a piston therein and a rod connected to said piston and projecting from an end of said cylinder, the opposite ends of said cylinder and said rod being pivotally connected to said bellcrank adjacent the inner end thereof and to

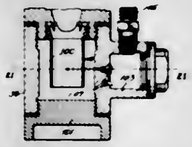
said frame adjacent the outer end thereof, and means operable from said tractor for controlling the extension and contraction of said rod and cylinder to thereby raise and lower the outer end of said bellcrank.

2,549,735
BUCKLE
Paul W. White, West Haven, and Joseph J. Schutz, New Haven, Conn., assignors to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application May 13, 1948, Serial No. 26,878
12 Claims. (Cl. 24—194)



1. A slide buckle comprising a frame and a slide for cooperation with said frame, said frame and said slide having side-bars and cross-bars defining strap-receiving openings therethrough to receive a strap, said frame being rearwardly recessed to provide inwardly extending, rearwardly facing slide-supporting shoulders along said frame side-bars, one of said frame cross-bars being adjacent one end of said shoulders and having a forwardly facing flat face disposed in transversely spaced relation to said shoulders, said slide having a flat tail piece extending from one cross-bar thereof and slideably engaging said flat face of said one frame cross-bar to retain said slide in said recess for sliding movement along said shoulders.

2,549,736
APPARATUS FOR FLAME SPRAYING
Randolph A. Wiese, New York, N. Y., assignor to The Powder Weld Process Company, New York, N. Y., a partnership composed of Dorothy E. Wiese and Randolph A. Wiese
Application February 5, 1947, Serial No. 726,550
6 Claims. (Cl. 91—12.2)

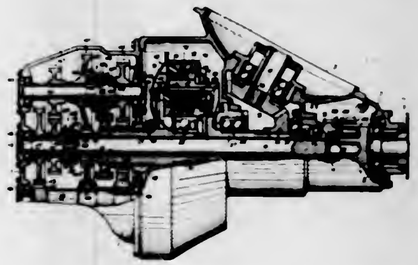


1. A flame spraying system comprising a source of fuel gas, a source of carrier gas, a source of fragmented material to be entrained in said carrier gas and then flame sprayed upon a target, a flame spraying tool, conduits connecting each of said sources with said tool, reducing valves in each of said conduits, said conduit leading from the carrier gas source comprising a portion connected to a material entraining chamber, a material entraining chamber communicating with said material source, a pressure reducing valve in said conduit portion, a conduit leading from said entraining chamber for delivering the entrained material and carrier gas to said tool, a valve on said tool for regulating the flow of fuel gas through said tool, said chamber having a plurality of ducts in a wall thereof terminating in orifices opening into said chamber, said ducts diverging toward the interior of said chamber and having connection with said carrier gas source, a metering tube communicating with said fragmented material source and extending into said chamber for delivering said material to said chamber, said ducts being directed across said metering tube at a point adjacent the delivery end thereof whereby to disturb material particles near the edge of a pile of material delivered to said chamber by said metering device.

2,549,737
METHOD OF ELECTROPOLISHING
Harold J. Wiesner, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
No Drawing. Application July 19, 1946, Serial No. 684,796
3 Claims. (Cl. 204—140.5)

1. The method of polishing copper and alloys in which copper is a major constituent which comprises connecting the alloy to be polished as an anode in an aqueous bath consisting essentially of a solution of a tripolyphosphate of an alkali metal and a material selected from the group consisting of boric acid, boric acid salts and salts of carbonic acid, said bath having a pH in the range from 7.0–8.5.

2,549,738
TRANSMISSION
Martin P. Winther, Gates Mills, Ohio, assignor to Martin P. Winther, as trustee
Application April 8, 1949, Serial No. 86,201
22 Claims. (Cl. 74—330)

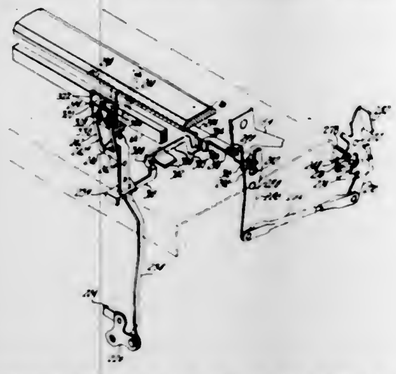


1. A transmission comprising a driving member and a driven member, the driving member driving several power clutches each having a driven element, a plurality of countershafts, each power clutch having a gear drive to each countershaft, one of the gear drives to each countershaft having a speed drop greater than the other and including therein an overrunning clutch, whereby the other gear drive for the respective countershaft may overrun when its respective power clutch is energized, and gear drives from the respective countershafts to the driven member, at least one of said last-mentioned gear drives including an overrunning clutch.

2,549,739
REGISTER CONTROL LOCKING MEANS FOR ACCOUNTING MACHINES
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1946, Serial No. 707,517
10 Claims. (Cl. 235—130)

1. A machine of the class described comprising a register and actuating mechanism for entering numbers digit by digit in the register, relatively movable to shift the actuating mechanism

in an advance direction into and out of the zone of the register and from denomination to denomination of the register and to return relatively the actuating mechanism and the register, said actuating mechanism including driving mechanism shiftable to drive the register either in adding or in subtracting direction, means for shifting the driving mechanism, locking mechanism for preventing the shifting of the driving mechanism, means for maintaining the locking mechanism in unlocking condition when the



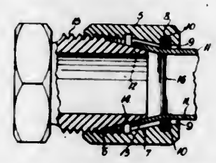
actuating mechanism is out of the zone of the register and during the passage of the actuating mechanism through the zone of the register when no digit has been entered in the register and for restoring the locking mechanism to unlocking condition when the actuating mechanism leaves the zone of the register, means for shifting said locking mechanism into locking condition upon the entry of a digit in the register during said passage and means for maintaining the locking mechanism in locking condition thereafter substantially until the actuating mechanism leaves the register zone.

2,549,740
THERMOSTATIC SWITCH
William A. Yonkers, Mountain Lakes, N. J., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J., a corporation of New Jersey
Application March 5, 1948, Serial No. 13,239
3 Claims. (Cl. 200—137)



1. A thermostatic switch comprising a casing open at one end and having a central aperture in the other end, a base of insulating material disposed within the open end of the casing, said base having a central bore, means securing the casing and base to prevent axial motion of one relative to the other, a pair of terminals extending through the base each terminal having a contact section extending into the bore, a cup-shaped contact in the bore of the base, a spring disposed between the base of the bore and the cup-shaped contact to bias the said contact into engagement with the contact sections of the terminals, a ring member within the casing and spaced from the base said ring member having a circumferential ridge, a snap-action disc in face contact with the ridge of the ring member, a conical ring washer disposed between the ring member and the base, a cone member having its base in circumferential contact with the disc and its apex alined with the aperture in said casing, a tubular shell having a closed outer end and an open end, a rod within the shell and extending beyond the open end, means adjustably securing the shell to the casing whereby the rod abuts against the apex of the cone member, and a plunger having one end secured to the disc and the other end spaced from the cup-shaped contact when the curvature of the disc is convex with respect to the cone member.

2,549,741
PIPE JOINT
Thomas R. Young, Bonnyrigg, Scotland
Application February 16, 1948, Serial No. 8,562
In Great Britain November 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 28, 1966
5 Claims. (Cl. 285—86)

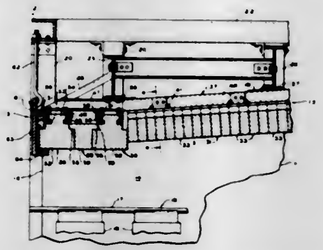


1. A coupling device for a ductile metal pipe joint comprising a hollow coupling member having an internal screw thread formed in one end, a gradually diminishing coniform portion extending inwardly from the innermost end of said screw thread, an annular groove formed immediately adjacent the diminished end of said coniform portion, an expansible split ring received in said groove and retained therein against axial movement relatively to said member, the depth of said groove being such as to permit expansion of said split ring therein and protuberance of said split ring therefrom when said split ring is expanded into contact with the base of said groove, and an externally screw-threaded tubular spigot having a conical end adapted to be received in the screw-threaded end of said member, so that, when said member and spigot are assembled together with the flared portion of a pipe interposed therebetween, the outer end of the flared portion of the pipe will be wedged between and in direct contact with the coniform portion of said member and the conical end of said spigot, and the inner end of the flared portion of the pipe will be spaced away from said member by said split ring and forced into intimate contact with the conical end of said spigot.

2,549,742
HEATING FURNACE
John Yoxall, Detroit, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application January 11, 1949, Serial No. 70,157
6 Claims. (Cl. 263—46)

1. In a continuous heating furnace for heating bodies such as billets, blooms, slabs and the like, the combination comprising, a roof including a lining of suspended refractory brickwork defining the top of an elongated heating chamber having a charge opening at one end thereof through which the bodies to be heated are charged, a mantel extending across and in front of the outer edge portion of the roof brickwork

adjacent the charge opening and adjacent to but spaced from the brickwork and resilient subdivided refractory packing material between the

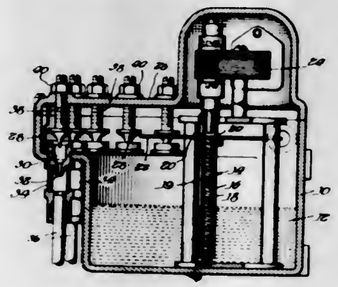


mantel and brickwork of the roof to inhibit the escape of gases therebetween and to absorb impact blows against the mantel and protect the brickwork.

2,549,743
PROCESS FOR PRESERVING MIXED FOOD
Siegfried Johann Zimmermann, Wallersee, near Salzburg, Austria, assignor to Internationale Aktiengesellschaft für Gassynthesen, Vaduz, Liechtenstein
No Drawing. Application July 31, 1947, Serial No. 765,257. In Germany June 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 10, 1961
3 Claims. (Cl. 99—208)

1. A method of preparing preserved food stuffs comprising the steps of preparing ready meals from meat and vegetable materials and heating the said ready meals together with added edible fatty substances to dehydrate the meals and to replace water originally contained therein by the said fatty substances.

2,549,744
OILING DEVICE
Ernest W. Davis, River Forest, Ill., assignor to Oil-Rite Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application 17, 1948, Serial No. 21,728
4 Claims. (Cl. 184—81)

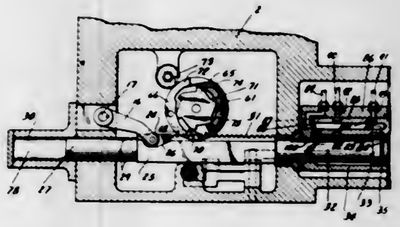


1. In a device in the class described, an enclosed reservoir for containing oil, oil scattering means within said reservoir for throwing said oil through space in a pattern of minute droplets confined to a relatively thin horizontal stratum, a plurality of targets disposed to intersect the said oil stratum and each of said targets having portions of greater and lesser width along an axis normal to said stratum, each of said targets being adjustable toward and away from said oil stratum along its respective axis to vary the area of intersection with said oil stratum, and means for collecting oil that impinges upon each of said targets respectively.

2,549,745
CATION-EXCHANGE PRODUCT AND PROCESS OF MAKING SAME
Frederick A. Hessel and William B. Canfield, Montclair, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application June 11, 1949, Serial No. 98,645
12 Claims. (Cl. 260—97)

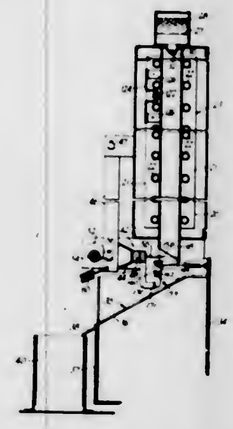
1. A cation-exchange resinous material comprising the reaction product of concentrated sulfuric acid and material selected from the group consisting of (*a*) wallaba resin, (*b*) a reaction product of wallaba resin and a compound selected from the group consisting of formaldehyde, paraformaldehyde, hexamethylenetetramine, furfural and acetaldehyde, and (*c*) a mixture of wallaba resin and a compound selected from the group consisting of formaldehyde, paraformaldehyde, hexamethylenetetramine, furfural and acetaldehyde.

2,549,746
HYDRAULICALLY ACTUATED TURRET INDEX MECHANISM
Oskar Kylin and Henrik O. Kylin, Cleveland Heights, Ohio, assignors to Bardons and Oliver, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 5, 1945, Serial No. 620,518
2 Claims. (Cl. 29—49)



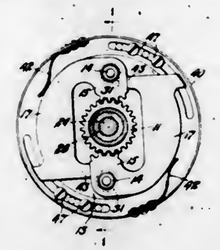
1. In a machine tool having a part to be indexed and a support for said part, means for clamping and unclamping said part on the support, means for locating and locking said part on said support, means for indexing said part, and power actuated mechanism selectively operable to sequentially unclamp, unlock, index, lock and clamp said movable part on the support, said mechanism being selectively movable to index said part to a position intermediate any two adjacent normal indexing stations, said mechanism comprising a ratchet device carried by said part, said ratchet device comprising a ratchet wheel fixed to rotate with said part to be indexed, a ring relatively rotatable on and carried by said ratchet device, a dog pivotally carried by said ring and having a toothed arm for engagement with the ratchet wheel and a second arm and a spring in said ring engaging said second arm for normally urging said toothed arm into engagement with said wheel, an actuator having driving connection with said ring, a hydraulic cylinder, an end of said actuator operable in said cylinder in response to the admission and discharge of fluid pressure therein, a source of fluid pressure, a single control valve for controlling said pressure to and from said cylinder to select the stroke of said actuator, a stop member carried by said support and positioned in close proximity to said ring and adapted to be engaged by said second arm when said ring is rotated to a position where said second arm lies between said stop and said ratchet wheel.

2,549,747
ICE-MAKING APPARATUS
Meldon Gerald Leeson, York, Pa., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application July 24, 1946, Serial No. 686,021
22 Claims. (Cl. 62—106)



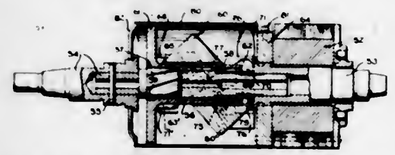
1. In ice-making apparatus, the combination of, a cabinet structure, a refrigeration system having an evaporator in said cabinet structure formed by a pair of parallel spaced evaporator sections having freezing zones therebetween, a bank of vertical freezing tubes which are square in cross-section and positioned parallel and side-by-side and occupying said freezing zone in heat-exchange relationship with each other and with said evaporator sections, an elongated water header positioned along the tops of said freezing tubes and having a plurality of water distrbuting nipples projecting respectively into the tops of said freezing tubes and having water outlet openings for directing water against the sides of each tube, water-supply means including a pump to supply water to said header whereby a steady stream of water flows down each tube during the freezing operation, means to initiate the supplying of heat to said tubes to melt ice formed therein whereby the ice falls from the bottom ends of the tubes, and means to sever the ice as it emerges including a horizontal cutter bar which is adapted to be swung to and from a position adjacent the lower ends of said tubes and a plurality of ice picks carried by said cutter bar and adapted to project into the ice as it emerges from the tubes.

2,549,748
SPEED RESPONSIVE COUPLING
Rolland M. Purdy, Bainbridge, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1945, Serial No. 592,387
14 Claims. (Cl. 64—25)



1. Speed sensitive mechanism of the class described comprising a rotatable support, a flyweight pivotally mounted on said support having means to turn a gear by motion centrifugally imparted, means to limit the centrifugally imparted motion of said flyweight comprising a circumscribing abutment ring, approximately concentric surfaces on said ring and said flyweight, spring means carried by said ring and bearing on said flyweight, and means providing for movement of the ring with respect to the flyweight to vary the point of application of the pressure of the spring means thereto.

2,549,749
SPEED RESPONSIVE COUPLING
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Original application June 15, 1942, Serial No. 447,104, now Patent No. 2,391,525, dated December 25, 1945. Divided and this application June 3, 1944, Serial No. 538,666
6 Claims. (Cl. 64—25)



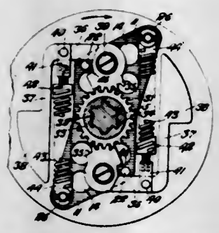
1. Apparatus of the class described comprising two rotatable members adapted for angular movement relative to each other, and means for drivably connecting said members including an element axially movable relative to both of said members and having a torque-transmitting connection with each of said members, said torque-transmitting connections being such that relative axial movement of one of said members and said element causes relative angular movement of said members, and centrifugally responsive means operatively connected to said element and to one of said members for moving said element axially first in one direction and then in the other direction relative to said members as the speed of rotation of the latter increases, said centrifugally responsive means comprising a pair of pivotally mounted and pivotally connected weights, the extreme operating positions of the axis of said pivotal connection being on opposite sides of a plane containing the axes of said mounting pivots.

2,549,750
SPEED RESPONSIVE COUPLING
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application March 27, 1945, Serial No. 585,128
11 Claims. (Cl. 64—25)



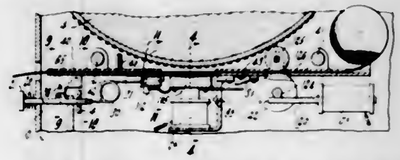
1. Apparatus of the class described comprising a rotatable driving member, a rotatable driven member, and means drivably connecting said members whereby the latter rotate together and are adapted for limited angular movement relative to each other, said connecting means comprising two intermediate connecting elements mounted for angular movement relative to said members about the axis of rotation thereof and centrifugally responsive means operatively connected with said elements and with at least one of said members for effecting relative angular movements of said members in different directions in response to centrifugal forces acting on said responsive means as the speed of rotation increases.

2,549,751
SPEED RESPONSIVE COUPLING
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application March 28, 1945, Serial No. 585,263
12 Claims. (Cl. 64—25)



1. In apparatus of the class described, a rotatable driving member, a driven member mounted for rotation with and angular movement relative to said driving member, and means for drivably connecting said members comprising an intermediate connecting member and centrifugally responsive means pivotally mounted on said intermediate member and having direct gear teeth engagement with said driving and driven members, said responsive means comprising centrifugal weights of different sizes extending from their respective pivotal axes in a common circumferential direction relative to the axis of rotation of said driving and driven members so as to be operable to effect relative angular movement of said members in different directions at different increasing speeds of rotation in response to centrifugal forces acting on said responsive means.

2,549,752
RECORDING WEIGHT AND PRICE SCALE
Joseph A. Volk, Wilton, Conn.
Application February 20, 1948, Serial No. 9,670
12 Claims. (Cl. 346—10)



1. A weighing scale comprising a drum carrying type on its periphery in different zones spaced axially therealong, one of said zones having weight indicating type and others of said zones indicia type corresponding to the product of the alined weight indications and predetermined prices per unit weight, a plurality of movable actuators each having a type indication of prices per unit weight and arranged corresponding to the price factors of said product indicia type, a printing carriage movable axially of said drum in position to operatively cooperate with axially arranged type on said drum, a print-receiving strip carrier and printing mechanism carried by said carriage, said drum being responsive in position to the weight of goods placed on said scale to position said drum angularly with the correct weight indicia type in operative relation to said carriage and its print receiving strip, and means responsive to actuation of any selected of said actuators to position said carriage in successive operative relationship to the correct weight indicia and the corresponding price indicia per unit weight corresponding to the actuator selected and to actuate said printing mechanism to print the indications from the type on said drum of weight and corresponding total price in accordance with the actuator selected.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

517,221. **ACID EXTRACTION OF ALUMINA FROM CLAYS.** James I. Hoffman, Chevy Chase, Md. Filed Jan. 6, 1944. Published Apr. 17, 1951. Class 23—143. No drawing. 10 pages of specification.

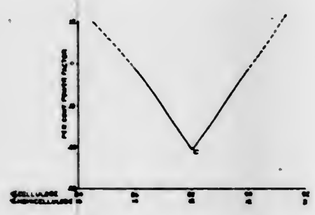
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In the extraction of alumina from clay and like aluminiferous materials high in silica content two serious problems are the extreme filter load and the loss of acid in the residues.

In accordance with this disclosure approximately 90% of the filter load is eliminated and loss of acid is reduced by compressing the kaolin in the form of uncrushed pellets of rather critical minimum dimension, roasting the pellets with indirect heat to avoid over-calcining their exterior surfaces, leaching the alumina content from them with hydrochloric acid, drawing off the liquid solution from the pelletic residues which are form-retaining silica skeletons of the initial pellets and washing residual acid from the pelletic residues.

The pellets are preferably formed by extrusion as short bent spaghetti-like pieces of about 0.07 inch diameter, but may be formed in macaroni-like and ribbon-like forms, or in chips, tablets, diamonds, squares, or other lozenge forms, preferably bent or warped to avoid close packing and facilitate uniform leaching, and having no part of the pelletic body more than 0.05 inch from a surface thereof.

634,282. **CELLULOSIC PULP AND PAPER.** Harry F. Miller, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Dec. 11, 1945. Published Apr. 17, 1951. Class 92—3. 1 sheet of drawings. 8 pages of specification.



The application relates to wood pulp and wood pulp paper made from wood pulp consisting substantially of about 85 to 90% wood pulp suitable for the fabrication of paper which consists substantially of about 85 to 90% cellulose and about 15 to 10% hemicelluloses while being substantially devoid of lignin, metallic compounds and organic acids, said pulp when dissolved in an aqueous solution of cuprammonium having when measured by the TAPPI official standard method a viscosity of 41 to 47 centipoises.

724,694. **NEUTRALIZATION AND PURIFICATION OF SLURRIES PRODUCED BY ACID DIGESTION OF MAGNESIUM SILICATE ORE.** Jesse C. Johnson, Knoxville, and Frank S. Riordan, Jr., Norris, Tenn., assignors to United States of America as represented by the Secretary of the Department of the Interior. Filed Jan. 27, 1947. Published Apr. 17, 1951. Class 23—91. No drawing. 10 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The application relates to the removal of metallic impurities such as silica, iron, nickel, and the like, from magnesium salts produced during the acid digestion of magnesium silica minerals.

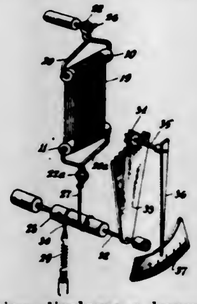
Silicate base magnesium minerals such as olivine, serpentine, forsterite, and the like generally contain or occur in the presence of other minerals which render magnesia compounds prepared therefrom impure. The principal contaminants generally are iron, nickel, silica, chromium, manganese, aluminum, calcium, copper, boron, and the like. The extraction of magnesium values from such minerals involves digesting the mineral in mineral acids such as hydrochloric, sulfuric, and nitric acid at elevated temperatures.

The improvement set forth in the application comprises separating the insoluble silica compounds from the digest slurry, treating the filtrate from the digest slurry with from about 80 to 120% of a stoichiometric equivalent of magnesia (or other alkaline earth oxides or hydroxides; magnesium oxide, hydroxide or carbonate) necessary to neutralize any free acid present and to react with the nonmagnesium metal salts to form insoluble hydroxides of said metals, and separating the insoluble precipitate within a period of not more than about ten minutes.

Olivine, crushed to about minus 60 mesh, was digested for 40 minutes at 109° centigrade in 85 percent of the stoichiometric quantity of 20 percent hydrochloric acid required for dissolution of soluble metallic values. The digest slurry contained about 28.2 grams $FeCl_2$ and about 255.1 grams $MgCl_2$ per liter of slurry. An aqueous slurry of 3 pounds of minus 300 mesh light magnesia per one gallon of water was prepared. This slurry was stored in a magnesia slurry tank and was continuously agitated with a motor-driven stirrer to maintain the dispersion. Thereafter, by means of a centrifugal pump, the digest slurry and the magnesia slurry are proportionally mixed at a ratio of about 6.7 pounds of magnesia per 28 gallons of the hot digest slurry or 100 percent of the stoichiometric quantity of magnesia necessary to neutralize any free acid present and react with the nonmagnesium metallic ions to precipitate said metals as hydroxides. The magnesia slurry and the digest slurry were fed directly into the suction side of the pump and mixed therein by the impeller. The mixed slurries were immediately discharged to a "Bird" solid bowl continuous centrifuge rotating at about 2000 revolutions per minute. The liquor is separated in less than one minute after entering the centri-

fuge. The purified magnesium chloride solution thereby separated and discharged contained 3.2 grams $FeCl_2$ and 258.3 grams $MgCl_2$ per liter. The cake from the centrifuge is repulped, thickened, and the dilute liquor obtained therefrom is recycled to the digestion step and the sludge discarded.

742,997. **HUMIDITY SENSITIVE MEANS.** Charles F. Wallace, Westfield, N. J., assignor to Wallace and Tiernan Products, Incorporated, Belleville, N. J., a corporation of New Jersey. Filed Apr. 22, 1947. Published Apr. 17, 1951. Class 297—1. 1 sheet of drawings. 12 pages of specification.



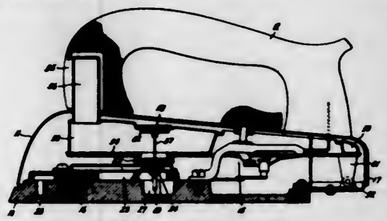
This application discloses a hygrometric indicator having a pointer **36** movable over a scale **37** by a humidity-sensitive element composed of a single, long, continuous strand **19** of human hair made by tying successive pieces end-to-end. This strand is wound around two tubular pieces **10** and **11**, about one inch apart, that are coated with an adhesive material which later sets to insure that each length of hair between **10** and **11** is of the same length, and, accordingly, is always under the same tension as the others. Tubular piece **10** is supported by a clip **20** having an eye **22** engaging a stationary hook **26**. Motion of the tubular piece **11** is transmitted to pointer **36** by way of a clip **20a**, thread **27**, drum **28**, shaft **32** and a segmental gear **33** meshing with pinion **34** on shaft **35** upon which pointer **36** is mounted. Spring **29** and thread **30** serve to bias the drum **28** to maintain tension on thread **27**.

52,229. **MICRO-WAVE FREQUENCY DISCRIMINATORS.** Louis D. Smullin, Watertown, Mass., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware. Filed Oct. 1, 1948. Published Apr. 17, 1951. Class 250—27. 1 sheet of drawings. 11 pages of specification.



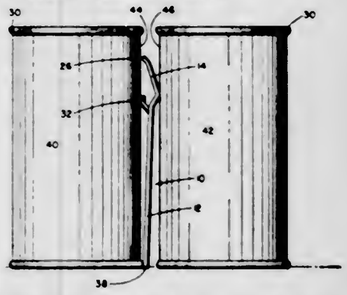
A frequency discriminator, comprising a tunable cavity resonator **18**, means **16** and **17** to couple the waves from a frequency modulation source **15** into said cavity to set up at least two component vibrational modes for which said cavity has different guide wavelengths, the cavity being oval in cross-section, a pair of detectors **24** coupled by probes **21** and **22** into said guide at predetermined spaced points equidistant from the point at which said waves enter said cavity to produce a resultant signal which varies linearly with respect to the frequency of the waves from said source, and an obstruction **20** extending radially inward from the periphery of the cavity.

76,018. **AUTOMATIC VALVE ACTUATOR FOR STEAM FLATIRONS.** Jacob W. McNairy, Westport, Conn., assignor to General Electric Company, a corporation of New York. Filed Feb. 12, 1949. Published Apr. 17, 1951. Class 38—77. 2 sheets of drawings. 15 pages of specification.



The applicant discloses in Fig. 5 a steam flatiron having a valve **60** for controlling the flow of water from the water reservoir **50** to the steam generator **27**. The valve **60** is open when the iron is in its normal ironing position as shown in Fig. 5. The reservoir is pivoted at **51**, **52** so that when the iron is tilted up to a rest position on its heel stand, the reservoir shifts to close the valve and thereby shut off the flow of water. In another form of the invention disclosed, the valve is operated by a weighted lever which tilts rather than the reservoir.

125,513. **CAN OPENER.** Robert C. Mechem, Belmont, Mass. Filed Nov. 4, 1949. Published Apr. 17, 1951. Class 30—16. 1 sheet of drawings. 7 pages of specification.

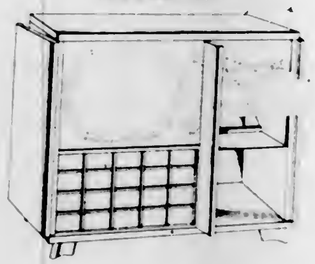


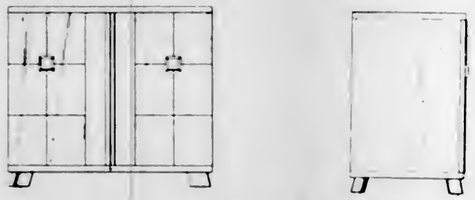
The application discloses a modification of a can opener of the type disclosed in U. S. Patent No. 1,996,550 for punching a substantial opening in the top of a tin can. This kind of opener consists of an integral sheet metal piece **10** having a sharply pointed blade **26** at one end offset from the plane of the handle **12**. At the center of the base of the cutting blade portion **32** is struck out on the same side as the blade to form a fulcrum to engage the lip of the can to be opened. The improvement of the present application consists of flattening the blade **26** so that its sharp point remains within the extension of a straight line drawn from the end of the handle opposite the blade and touching the edge of the fulcrum portion so that when the opener is packed in a case of filled cans **40** the danger of accidental puncture of the cans is substantially eliminated. Thus, if the opener is jammed between two cans the pressure is taken up between the fulcrum portion and the opposite side of the base of the cutting blade, and the sharp point is prevented from touching any of the side portions **44** and **46** of adjacent cans.

DESIGNS

APRIL 17, 1951

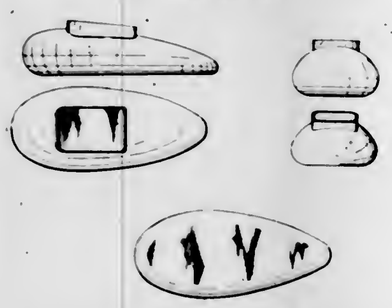
162,920
COMBINED RADIO-PHONOGRAPH AND TELEVISION CABINET
Samuel E. Adler, Chicago, Ill.
Application August 29, 1950, Serial No. 11,972
Term of patent 14 years
(Cl. D56—4)





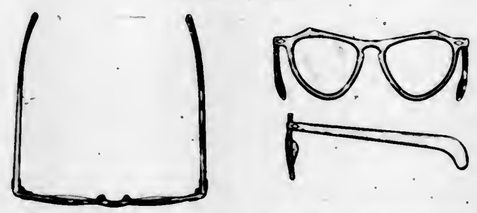
The ornamental design for a combined radio-phonograph and television cabinet, as shown and described.

162,921
SOAP HOLDER
Roy Aitken, Glasgow, Scotland
Application May 18, 1950, Serial No. 10,017
In Great Britain November 29, 1949
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a soap holder, as shown.

162,922
PAIR OF SUNGLASSES OR SIMILAR ARTICLE
Joseph Auchter, Lincoln Park, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application May 12, 1949, Serial No. 2,598
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a pair of sunglasses or similar articles, substantially as shown.

162,923
RING BOX
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 14, 1950, Serial No. 13,441
Term of patent 14 years
(Cl. D80—5)



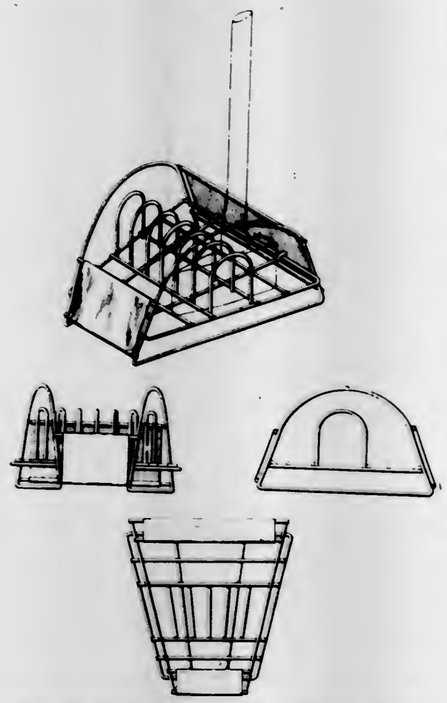
The ornamental design for a ring box, substantially as shown.

162,924
SHRIMP DEVEINER
Walter Frederick William Becherer, Milwaukee, Wis.
Application September 29, 1949, Serial No. 5,214
Term of patent 14 years
(Cl. D44—29)



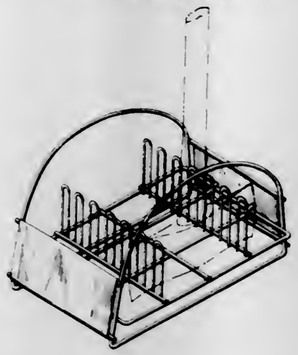
The ornamental design for a shrimp deveiner, as shown.

162,925
DEVICE FOR DISPLAYING AXES OR OTHER ARTICLES OF MERCHANDISE
David E. Berkowitz, Elkins Park, Pa.
Application April 14, 1950, Serial No. 9,193
Term of patent 7 years
(Cl. D80—10)

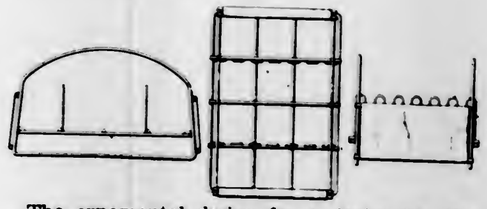


The ornamental design for a device for displaying axes or other articles of merchandise, as shown and described.

162,926
DEVICE FOR DISPLAYING AXES OR OTHER ARTICLES OF MERCHANDISE
David E. Berkowitz, Elkins Park, Pa.
Application April 14, 1950, Serial No. 9,194
Term of patent 7 years
(Cl. D80—10)

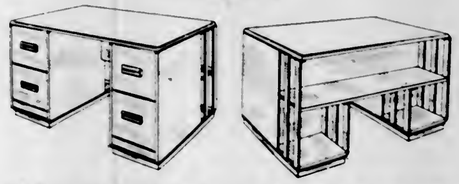


162,926—Continued



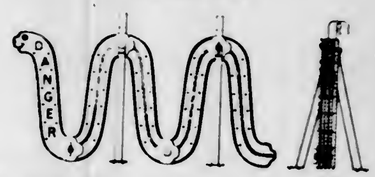
The ornamental design for a device for displaying axes or other articles of merchandise, as shown and described.

162,927
COMBINATION DESK AND BOOKCASE
Adele Bloom, River Falls, Wis.
Application December 22, 1950, Serial No. 13,540
Term of patent 7 years
(Cl. D33—7)



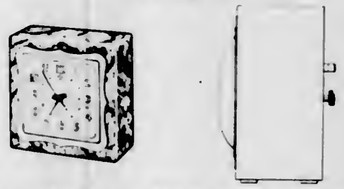
The ornamental design for a combination desk and bookcase, as shown and described.

162,928
WARNING SIGNAL
Dempsey C. Britton, Cold Springs, Ky.
Application August 24, 1950, Serial No. 11,922
Term of patent 14 years
(Cl. D72—1)



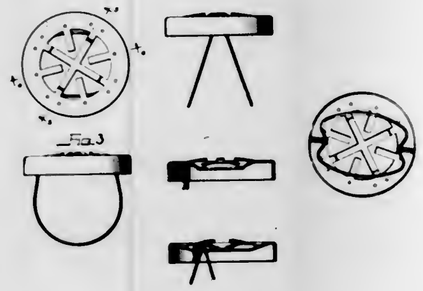
The ornamental design for a warning signal, as shown.

162,929
CLOCKCASE
Leo I. Bruce, Framingham Center, Mass., assignor to Telechron, Inc., a corporation of Massachusetts
Application April 11, 1950, Serial No. 9,139
Term of patent 14 years
(Cl. D42—7)



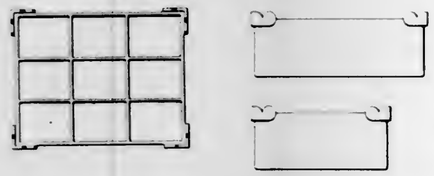
The ornamental design for a clock case, as shown.

162,930
VAPORIZER
William A. Brukoff, Chicago, Ill.
Application July 13, 1949, Serial No. 3,901
Term of patent 7 years
(Cl. D83—1)



The ornamental design for a vaporizer, substantially as shown.

162,931
COMPARTMENTED REFRIGERATOR TRAY
Ethel B. Buckles, Columbia City, Ind.
Application October 19, 1950, Serial No. 12,630
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a compartmented refrigerator tray, as shown and described.

162,932
GARMENT GRIP OR THE LIKE
Harold F. Burnham, Highland Park, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application April 26, 1950, Serial No. 9,501
Term of patent 14 years
(Cl. D17—9)



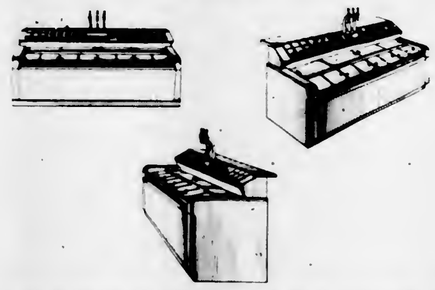
The ornamental design for a garment grip or the like, substantially as shown.

162,933
DISPOSABLE RAZOR
Edmund E. Chambers, Westmount, Quebec, Canada
Application May 10, 1950, Serial No. 9,846
Term of patent 7 years
(Cl. D22—3)



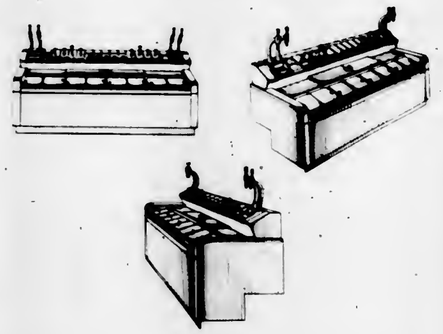
The ornamental design for a disposable razor, as shown.

162,934
SODA FOUNTAIN
William S. Connell, Norwood Park, Ill.
Application August 10, 1949, Serial No. 4,404
Term of patent 14 years
(Cl. D2—3)



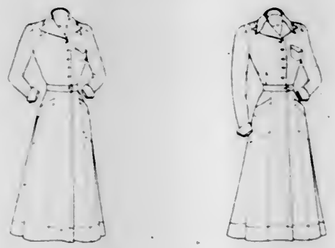
The ornamental design for a soda fountain, as shown.

162,935
SODA FOUNTAIN
William S. Conneli, Norwood Park, Ill.
Application August 10, 1949, Serial No. 4,405
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a soda fountain, as shown.

162,936
DRESS OR LIKE ARTICLE OF FEMININE APPAREL
Leo M. Cooper, New York, N. Y.
Application January 6, 1950, Serial No. 7,046
Term of patent 3½ years
(Cl. D3—26)



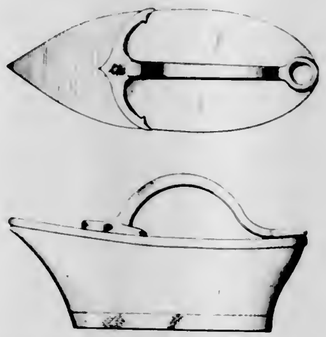
The ornamental design for a dress or like article of feminine apparel, substantially as shown and described.

162,937
ASH TRAY
Robert C. Dixon, Idaho Springs, Colo.
Application April 13, 1950, Serial No. 9,180
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

162,938
SUGAR BOWL OR SIMILAR ARTICLE
Rudolph Dopera, Los Angeles, Calif.
Application May 23, 1950, Serial No. 10,121
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a sugar bowl or similar article, as shown.

162,939
SINGLE SPINDLE AUTOMATIC CHUCKING MACHINE
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, a corporation of Ohio
Application November 4, 1948, Serial No. 149,470
Term of patent 14 years
(Cl. D54—6)





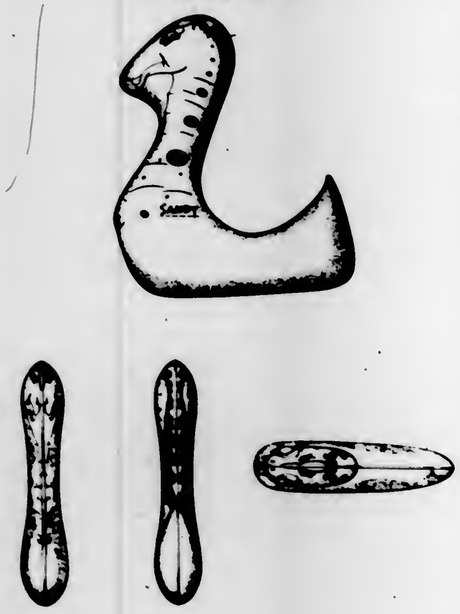


162,939—Continued



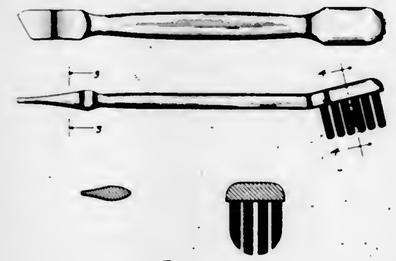
The ornamental design for a single spindle automatic chucking machine, substantially as shown.

162,940
INFLATABLE TOY ANIMAL FIGURE
Richard C. Drury, New Richmond, Wis., assignor to Doughboy Industries, Inc., New Richmond, Wis., a corporation of Wisconsin
Application December 13, 1949, Serial No. 6,577
Term of patent 14 years
(Cl. D34—2)



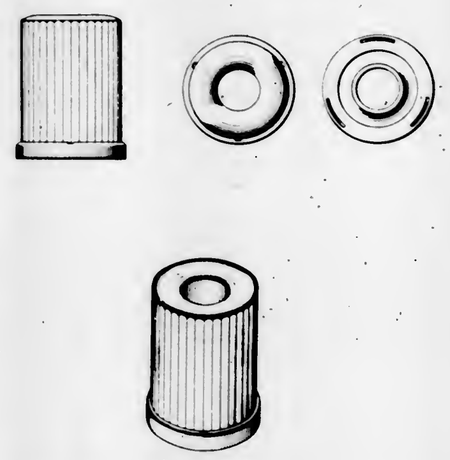
The ornamental design for an inflatable toy animal figure, as shown and described.

162,941
COMBINED DENTURE BRUSH, SCRAPER, AND POWDER ADAPTER
Clarence Davis Ehrman, Petersburg, Va.
Application October 26, 1950, Serial No. 12,740
Term of patent 14 years
(Cl. D9—2)



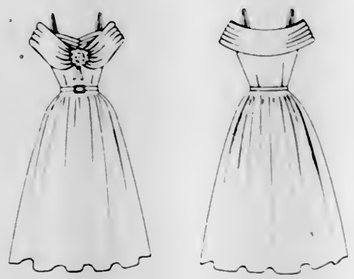
The ornamental design for a combined denture brush, scraper, and powder adapter, as shown.

162,942
POWDER CAN HOLDER OR SIMILAR ARTICLE
George W. Emmert, Chicago, Ill., assignor to Federal Premium Service Corporation, Chicago, Ill., a corporation of Illinois
Application November 28, 1947, Serial No. 142,861
Term of patent 3½ years
(Cl. D58—17)



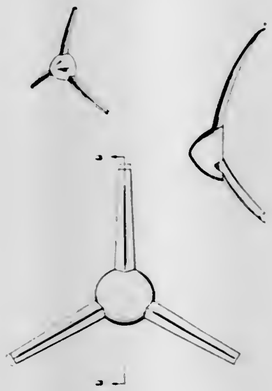
The ornamental design for a powder can holder or similar article, as shown.

162,943
DRESS
Rose Feintuch, New York, N. Y.
Application December 20, 1950, Serial No. 13,514
Term of patent 3½ years
(Cl. D3—26)



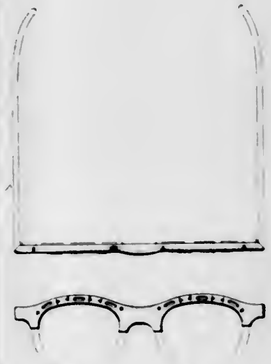
The ornamental design for a dress, substantially as shown.

162,944
AUTOMOBILE HEADLIGHT PROTECTOR
William J. Flajole, Detroit, Mich.
Application July 19, 1950, Serial No. 11,259
Term of patent 7 years
(Cl. D48—32)



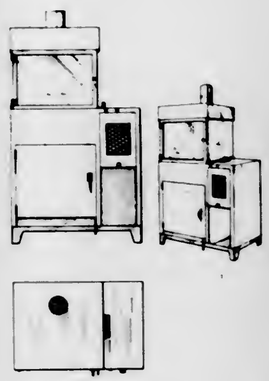
The ornamental design for an automobile headlight protector, substantially as shown and described.

162,945
SPECTACLE FRAME
Joseph C. Foster, Leominster, Mass., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application January 31, 1950, Serial No. 7,595
Term of patent 14 years
(Cl. D57—1)



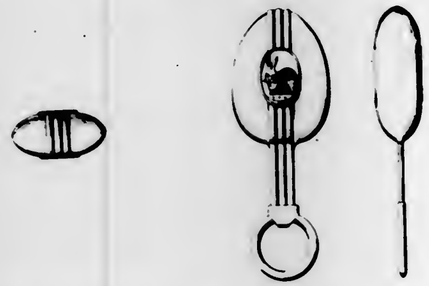
The ornamental design for a spectacle frame, substantially as shown and described.

162,946
BARBECUE MACHINE
John S. Francks, Fort Worth, Tex.
Application November 29, 1948, Serial No. 149,869
Term of patent 14 years
(Cl. D81—10)



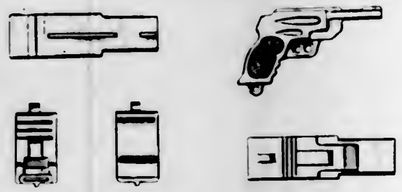
The ornamental design for a barbecue machine, substantially as shown.

162,947
CHILD'S RATTLE
Joseph Goodman, New York, N. Y.
Application October 16, 1948, Serial No. 149,145
Term of patent 3½ years
(Cl. D34—15)



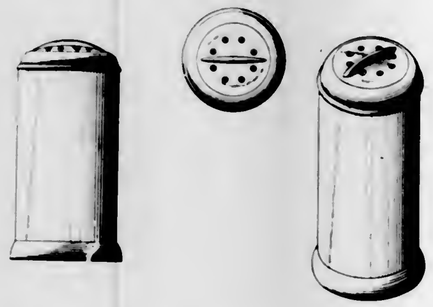
The ornamental design for a child's rattle, as shown.

162,948
TOY GUN
Joseph Goodman, New York, N. Y.
Application May 10, 1949, Serial No. 2,547
Term of patent 3½ years
(Cl. D34—15)



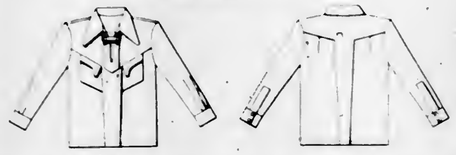
The ornamental design for a toy gun, as shown and described.

162,949
SIFTING CONTAINER
Catherine C. B. Gowland, Narberth, Pa.
Application April 12, 1948, Serial No. 145,660
Term of patent 14 years
(Cl. D44—22)



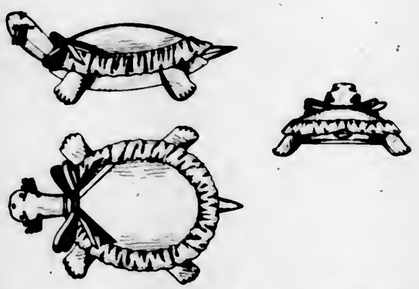
The ornamental design for a sifting container, substantially as shown.

162,950
SHIRT
Robert D. Gwynn, Detroit, Mich.
Application June 16, 1949, Serial No. 3,333
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a shirt, as shown.

162,951
PIN CUSHION OR SIMILAR ARTICLE
Ruth Haon, New York, N. Y.
Application November 9, 1950, Serial No. 12,921
Term of patent 14 years
(Cl. D3—19)



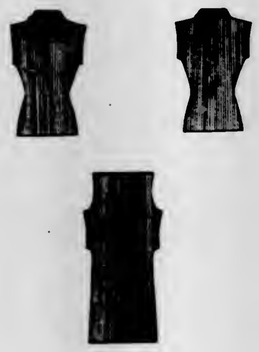
The ornamental design for a pin cushion or similar article, substantially as shown and described.

162,952
BOOT OR SIMILAR ARTICLE
John Eugene Hard, Edgewood, R. I., assignor to Bristol Manufacturing Corporation, Bristol, R. I., a corporation of Rhode Island
Application June 29, 1950, Serial No. 10,833
Term of patent 14 years
(Cl. D7—4)



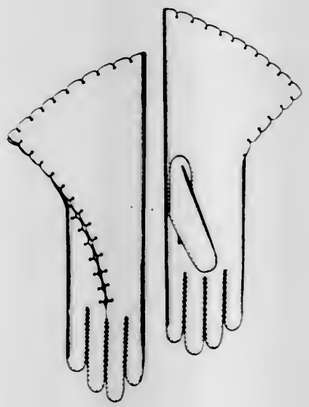
The ornamental design for a boot or similar article, substantially as shown.

162,953
KNITTED SLIPOVER ADJUSTABLE NECKLINE BLOUSE
Josephine Hayward, New York, N. Y., assignor to Whitesons, Inc., New York, N. Y.
Application April 21, 1950, Serial No. 9,378
Term of patent 7 years
(Cl. D3—25)



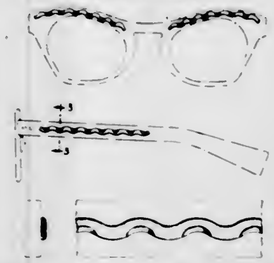
The ornamental design for a knitted slipover adjustable neckline blouse, substantially as shown and described.

162,954
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application December 9, 1950, Serial No. 13,357
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown.

162,955
SPECTACLE FRAME OR SIMILAR ARTICLE
Irving Hirschman, Brooklyn, N. Y.
Application February 16, 1949, Serial No. 907
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle frame or similar article, substantially as shown and described.

162,956
DRESS ENSEMBLE
Bernard Hurwitz, New York, N. Y.
Application December 18, 1950, Serial No. 13,479
Term of patent 3½ years
(Cl. D3—26)



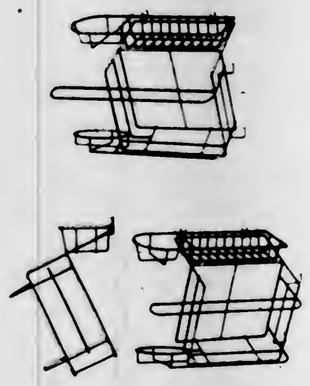
The ornamental design for a dress ensemble, substantially as shown.

162,957
DRESS
Bernard Hurwitz, New York, N. Y.
Application December 18, 1950, Serial No. 13,480
Term of patent 3½ years
(Cl. D3—26)



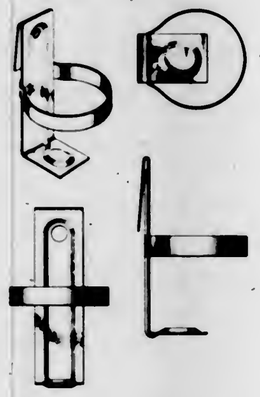
The ornamental design for a dress, substantially as shown.

162,958
BRACKET FOR SUPPORTING KITCHEN ARTICLES
Burton H. Ives, Chicago, Ill.
Application April 18, 1950, Serial No. 9,298
Term of patent 14 years
(Cl. D44—29)



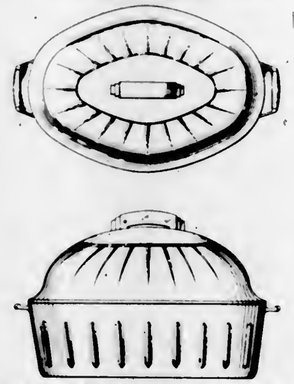
The ornamental design for a bracket for supporting kitchen articles, as shown and described.

162,959
BOTTLE HOLDER
Arthur B. Janes and Gilbert V. Zaccardo, Seattle, Wash.
Application January 26, 1951, Serial No. 13,989
Term of patent 14 years
(Cl. D58—26)



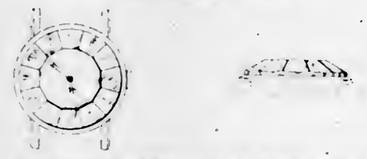
The ornamental design for a bottle holder, as shown.

162,960
ROASTER
Kenneth H. Johnston, Berwyn, Ill., assignor to Doehler-Jarvis Corporation, New York, N. Y., a corporation of Michigan
Application October 22, 1946, Serial No. 134,152
Term of patent 14 years
(Cl. D44—1)



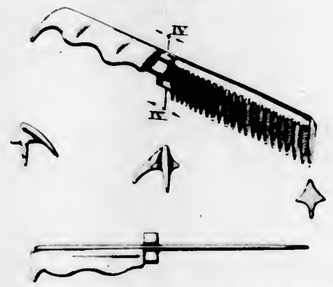
The ornamental design for a roaster, substantially as shown.

162,961
WATCH
Benjamin S. Katz, Indian Hill Village, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application March 10, 1950, Serial No. 8,471
Term of patent 14 years
(Cl. D42—8)



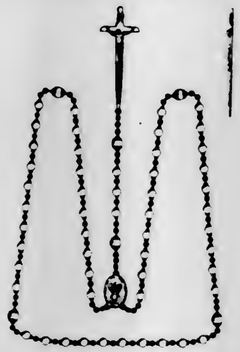
The ornamental design for a watch, substantially as shown and described.

162,962
COMB
John W. Killinger, Napa, and Michael C. Demis, Imola, Calif.
Application October 5, 1950, Serial No. 12,466
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a comb, as shown.

162,963
ROSARY
Arthur B. Kimball, Newtonville, Mass.
Application October 25, 1950, Serial No. 12,725
Term of patent 14 years
(Cl. D45—16)



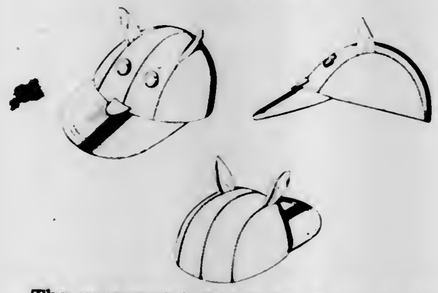
The ornamental design for a rosary, as shown and described.

162,964
BICYCLE
Harry W. Kranz, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application April 29, 1950, Serial No. 9,589
Term of patent 7 years
(Cl. D90—5)



The ornamental design for a bicycle, as shown and described.

162,965
CAP OR SIMILAR ARTICLE
Rose Krieger, North Hollywood, Calif.
Application November 24, 1950, Serial No. 13,111
Term of patent 14 years
(Cl. D3—13)



The ornamental design for a cap or similar article, substantially as shown.

162,966
TOY CABLE CAR
Theodore Lewy, San Francisco, Calif.
Application February 9, 1949, Serial No. 763
Term of patent 7 years
(Cl. D34—15)



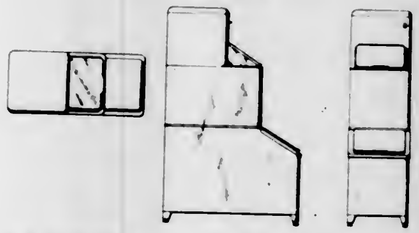
The ornamental design for a toy cable car, substantially as shown and described.

162,967
BERRY BASKET OR THE LIKE
Harry G. Long, Los Angeles, and Mildred D. Youker, Lynwood, Calif.; said Youker assignor to said Long
Application March 20, 1950, Serial No. 8,656
Term of patent 14 years
(Cl. D58—12.7)



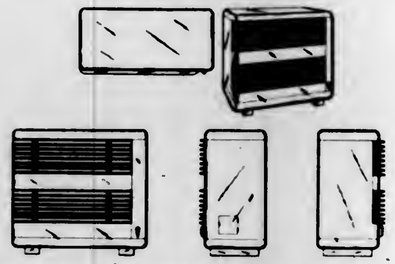
The ornamental design for a berry basket or the like, substantially as shown.

162,968
MACHINE FOR MAKING AND STORING ICE CUBES
Thomas T. Lunde, Mill Valley, Calif., assignor to Lacon Corporation, a corporation of California
Application January 12, 1951, Serial No. 13,773
Term of patent 7 years
(Cl. D67—3)



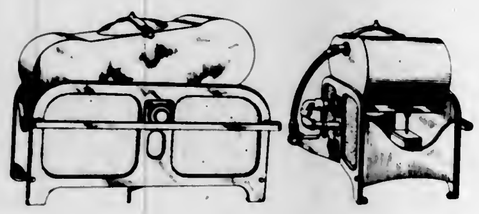
The ornamental design for a machine for making and storing ice cubes, substantially as shown.

162,969
GAS HEATER
Franklin M. MacDougall, Kirkwood, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 23, 1950, Serial No. 10,699
Term of patent 14 years
(Cl. D81—19)



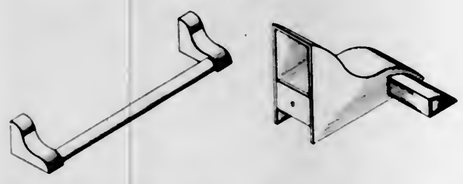
The ornamental design for a gas heater, substantially as shown.

162,970
WASHING MACHINE
Warren O. Manley, North Kansas City, Mo., assignor to C. Earl Hovey, trustee, Kansas City, Mo.
Application November 27, 1950, Serial No. 13,135
Term of patent 14 years
(Cl. D49—1)



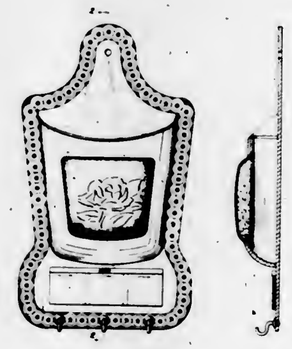
The ornamental design for a washing machine, as shown.

162,971
TOWEL RACK
Adolph Marchand, Jackson Heights, N. Y.
Application November 26, 1949, Serial No. 6,279
Term of patent 7 years
(Cl. D32—16)



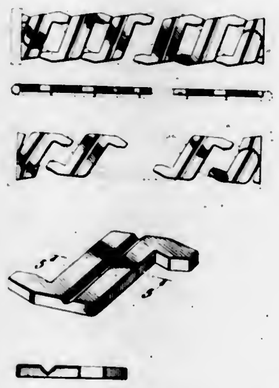
The ornamental design for a towel rack, as shown and described.

162,972
COMBINED WALL POCKET, PIN CUSHION, CALENDAR, AND HANGER FOR POT HOLDERS
Charles Marona, Pittsburgh, Pa.
Application January 11, 1950, Serial No. 7,164
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combined wall pocket, pin cushion, calendar, and hanger for pot holders, as shown.

162,973
EXPANSIBLE BRACELET OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application December 14, 1950, Serial No. 13,435
Term of patent 14 years
(Cl. D45—4)



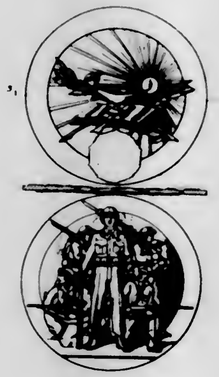
The ornamental design for an expansible bracelet or the like, as shown and described.

162,974
COOKING STOVE
John R. Morgan, Chicago, and Melvin H. Boldt, Glenview, Ill., assignors to Crown Stove Works, Chicago, Ill., a corporation of Illinois
Application January 5, 1951, Serial No. 13,682
Term of patent 14 years
(Cl. D81—4)



The ornamental design for a cooking stove, substantially as shown and described.

162,975
MEDAL
Carlos A. Morris, Indianapolis, Ind., assignor to The American Legion, Indianapolis, Ind., a corporation
Application September 2, 1950, Serial No. 12,030
Term of patent 14 years
(Cl. D29—19)



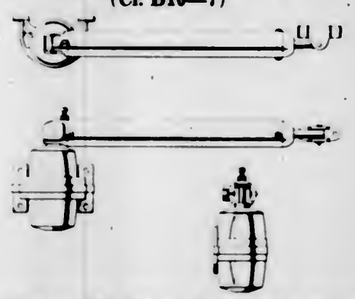
The ornamental design for a medal, as shown.

162,976
CLOCK
George W. Nelson, New York, N. Y., assignor to Howard Miller Clock Company, Zeeland, Mich., a corporation of Michigan
Application March 20, 1950, Serial No. 8,654
Term of patent 14 years
(Cl. D42—7)



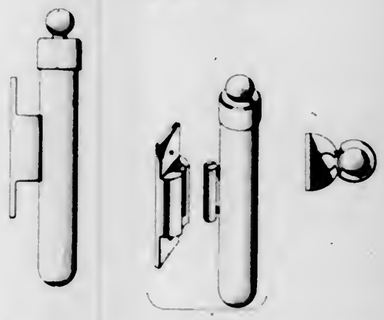
The ornamental design for a clock, substantially as shown.

162,977
DOOR CONTROL
Harvey L. F. Nettleton, Milford, and Walter J. Milestan, Bridgeport, Conn.
Application September 12, 1949, Serial No. 4,958
Term of patent 7 years
(Cl. D10—7)



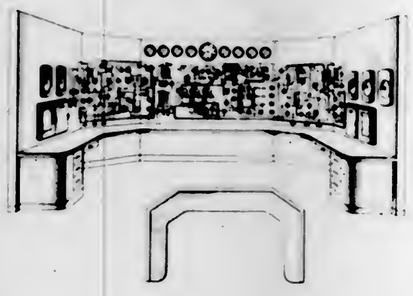
The ornamental design for a door control, as shown.

162,978
TOOTHBRUSH HOLDER
Frank E. Neumann, Los Angeles, Calif.
Application June 27, 1949, Serial No. 3,557
Term of patent 14 years
(Cl. D4—3)



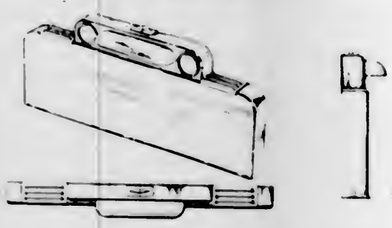
The ornamental design for a toothbrush holder substantially as shown.

162,979
CONSOLE
Ward J. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application October 7, 1949, Serial No. 5,341
Term of patent 7 years
(Cl. D26—5)



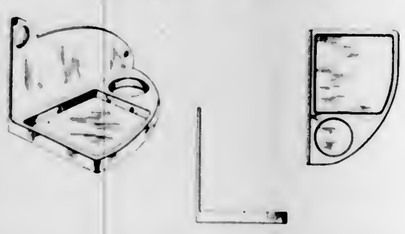
The ornamental design for a console, as shown and described.

162,980
STOVE BACKGUARD
Daniel P. O'Keefe, Los Angeles, Calif.
Application March 8, 1950, Serial No. 8,396
Term of patent 14 years
(Cl. D81—25)



The ornamental design for a stove backguard, as shown.

162,981
TABLE RACK
Ronald J. Olson, Pelican Rapids, Minn.
Application December 2, 1949, Serial No. 6,379
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a table rack, as shown.

162,982
BUILDING
Clarence R. Perkins, Niles, Ohio
Application July 21, 1950, Serial No. 11,289
Term of patent 14 years
(Cl. D13—1)



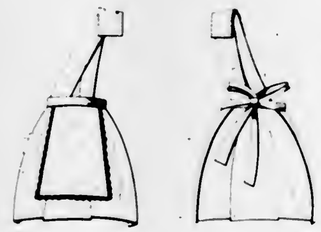
The ornamental design for a building, substantially as shown and described.

162,983
RING BOX OR SIMILAR ARTICLE
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 2, 1950, Serial No. 8,288
Term of patent 14 years
(Cl. D58—12)



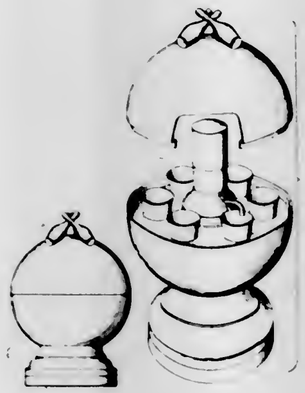
The ornamental design for a ring box or similar article, as shown.

162,984
APRON
Minnie Porter, Knoxville, Tenn.
Application April 19, 1950, Serial No. 9,344
Term of patent 14 years
(Cl. D3—26)



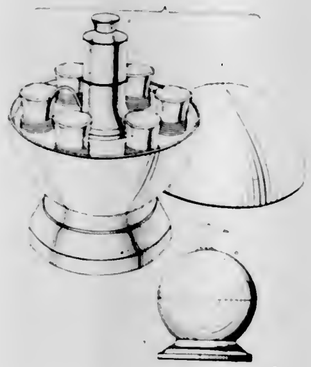
The ornamental design for an apron, as shown.

162,985
LIQUID SERVING UNIT
Joseph F. Punzak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 25, 1949, Serial No. 2,247
Term of patent 7 years
(Cl. D44—15)



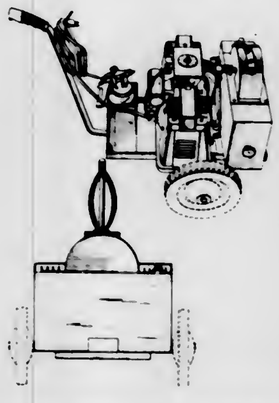
The ornamental design for a liquid serving unit, as shown and described.

162,986
LIQUID SERVING UNIT
Joseph F. Punzak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 21, 1950, Serial No. 11,870
Term of patent 7 years
(Cl. D44—15)



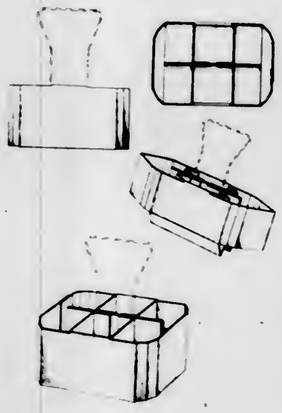
The ornamental design for a liquid serving unit, as shown and described.

162,987
PORTABLE SPRAYING DEVICE
Hyman Richard Rich, New York, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y.
Application December 28, 1949, Serial No. 6,864
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a portable spraying device, substantially as shown and described.

162,988
COLLAPSIBLE BOTTLE CARRIER
William A. Ringler, Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application May 7, 1949, Serial No. 2,513
Term of patent 14 years
(Cl. D58—5)



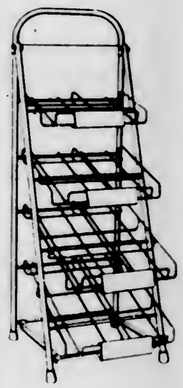
The ornamental design for a collapsible bottle carrier, substantially as shown and described.

162,989
PHOTOGRAPHIC FLASH GUN
Frank James Rizzatti, Brooklyn, N. Y., assignor to Burleigh Brooks Co., New York, N. Y., a partnership
Application August 25, 1950, Serial No. 11,929
Term of patent 14 years
(Cl. D61—1)



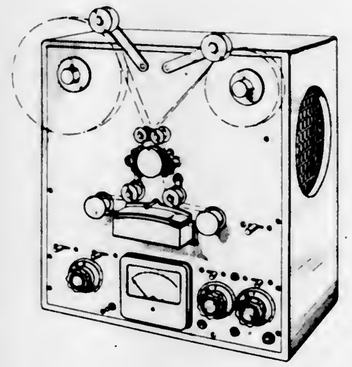
The ornamental design for a photographic flash gun, substantially as shown and described.

162,990
STAND
Walter G. Roeder, Scarsdale, N. Y., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application October 20, 1948, Serial No. 149,195
Term of patent 14 years
(Cl. D80—10)



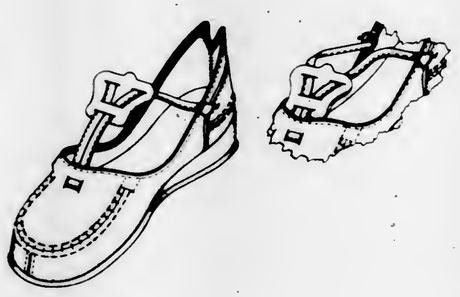
The ornamental design for a stand, as shown.

162,991
SYNCHRONOUS MAGNETIC RECORDER OR THE LIKE
Leonard H. Roos and William T. Crespinel, Burbank, Calif., assignors to Kinevox, Incorporated, Burbank, Calif., a corporation of California
Application January 9, 1950, Serial No. 7,094
Term of patent 14 years
(Cl. D26—14)



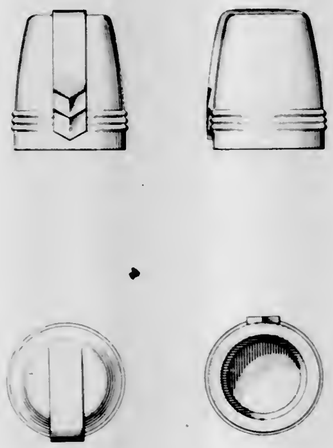
The ornamental design for a synchronous magnetic recorder or the like, substantially as shown and described.

162,992
SHOE
Jacob Sandler, New York, N. Y.
Application November 30, 1950, Serial No. 13,198
Term of patent 7 years
(Cl. D7—7)



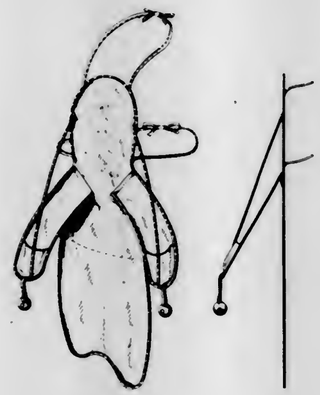
The ornamental design for a shoe, substantially as shown and described.

162,993
BOTTLE CLOSURE OR THE LIKE
William Satz, Los Angeles, Calif.
Application January 5, 1951, Serial No. 13,674
Term of patent 7 years
(Cl. D58—26)



The ornamental design for a bottle closure or the like, substantially as shown and described.

162,994
CHILD'S APRON IN THE FORM OF A PUPPET
Hortense Savron, New York, N. Y.
Application February 10, 1951, Serial No. 14,178
Term of patent 7 years
(Cl. D3—26)



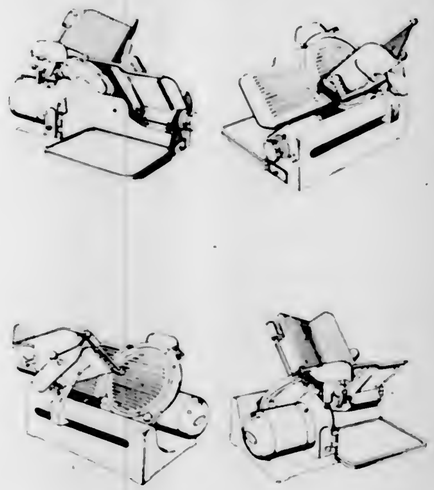
The ornamental design for a child's apron in the form of a puppet, as shown and described.

162,995
SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application April 16, 1949, Serial No. 2,060
Term of patent 7 years
(Cl. D47—7)



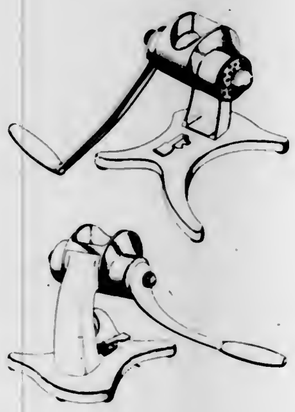
The ornamental design for a sock or similar article, as shown and described.

162,996
SLICING MACHINE
Peter M. Sivertsen, Greenwich, Conn.
Application April 13, 1950, Serial No. 9,178
Term of patent 14 years
(Cl. D55—1)



The ornamental design for a slicing machine, as shown.

162,997
FOOD GRINDER
Henry J. Talge, Kansas City, Mo., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application December 26, 1950, Serial No. 13,566
Term of patent 14 years
(Cl. D89—1)



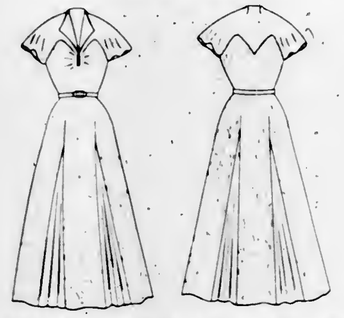
The ornamental design for a food grinder, substantially as shown.

162,998
GOGGLE FRAME
Helmut G. Tietje, Cresskill, N. J., assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J., a corporation of New Jersey
Application December 21, 1950, Serial No. 13,524
Term of patent 3½ years
(Cl. D57—1)



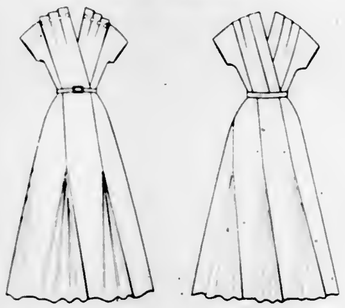
The ornamental design for a goggle frame, as shown.

162,999
DRESS
Mamie Verrand, New York, N. Y.
Application December 20, 1950, Serial No. 13,501
Term of patent 3½ years
(Cl. D3—26)



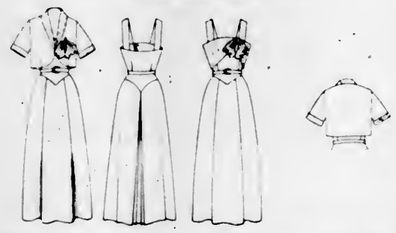
The ornamental design for a dress, substantially as shown.

163,000
DRESS
Mamie Verrand, New York, N. Y.
Application December 20, 1950, Serial No. 13,502
Term of patent 3½ years
(Cl. D3—26)



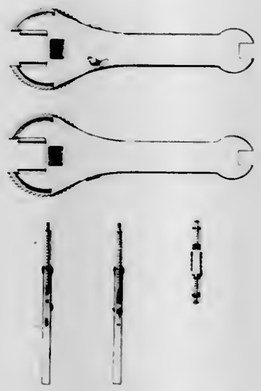
The ornamental design for a dress, substantially as shown.

163,001
DRESS ENSEMBLE
Mamie Verrand, New York, N. Y.
Application December 20, 1950, Serial No. 13,503
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress ensemble, substantially as shown.

163,002
ADJUSTABLE RATCHET WRENCH
Charles Volkheimer, New Hyde Park, N. Y.
Application May 25, 1950, Serial No. 10,149
Term of patent 3½ years
(Cl. D54—16)



The ornamental design for an adjustable ratchet wrench, as shown and described.

163,003
LACE TABLECLOTH
Thelma Waldman, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 22, 1950, Serial No. 13,103
Term of patent 7 years
(Cl. D92—26)



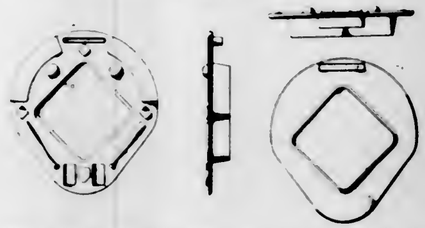
The ornamental design for a lace tablecloth, substantially as shown and described.

163,004
LACE TABLECLOTH
Thelma Waldman, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 22, 1950, Serial No. 13,104
Term of patent 7 years
(Cl. D92—26)



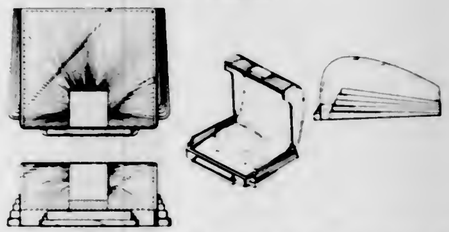
The ornamental design for a lace tablecloth, substantially as shown and described.

163,005
ASH TRAY
David H. Wasson, North Tonawanda, N. Y.
Application July 15, 1950, Serial No. 11,219
Term of patent 3½ years
(Cl. D85—2)



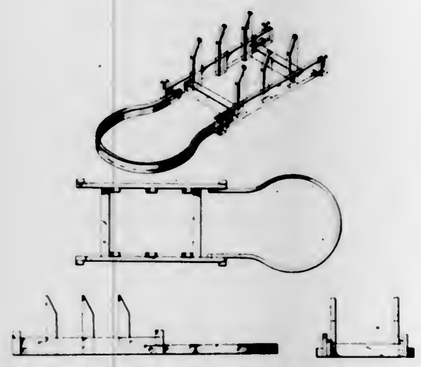
The ornamental design for an ash tray, substantially as shown.

163,006
JEWELRY BOX
Milton Weill, New York, N. Y.
Application June 8, 1950, Serial No. 10,405
Term of patent 14 years
(Cl. D80—5)



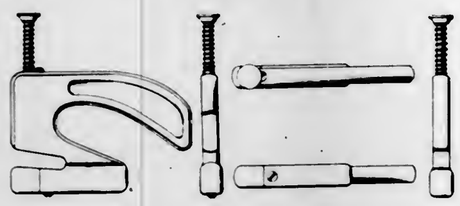
The ornamental design for a jewelry box, as shown and described.

163,007
MERCHANDISE DISPLAY STAND OR SIMILAR ARTICLE
Fritz Westernacher, New York, N. Y.
Application November 29, 1950, Serial No. 13,176
Term of patent 14 years
(Cl. D80—9)



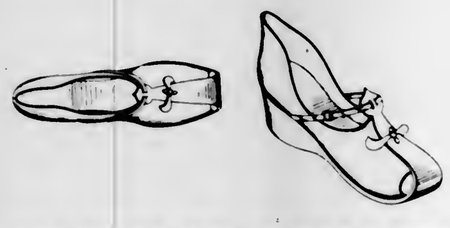
The ornamental design for a merchandise display stand or similar article, substantially as shown.

163,008
POULTRY AND LIVESTOCK INOCULATOR OR SIMILAR ARTICLE
Alfred B. Willson, East Hartford, Conn.
Application April 26, 1950, Serial No. 9,490
Term of patent 7 years
(Cl. D12—2)



The ornamental design for a poultry and livestock inoculator, or similar article, as shown.

163,009
SHOE OR SIMILAR ARTICLE
Robert T. Wiseman, Canton, Ohio
Application December 6, 1950, Serial No. 13,286
Term of patent 14 years
(Cl. D7—7)



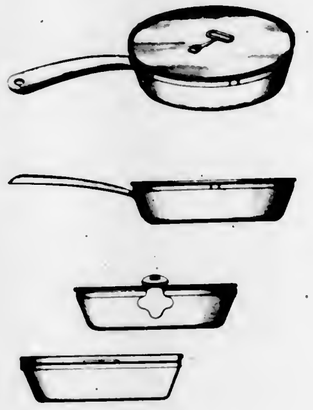
The ornamental design for a shoe or similar article, substantially as shown.

163,010
EVENING SLIPPER
Robert T. Wiseman, Canton, Ohio
Application December 6, 1950, Serial No. 13,287
Term of patent 14 years
(Cl. D7—7)



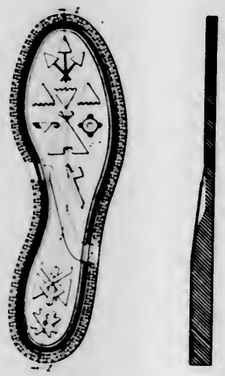
The ornamental design for an evening slipper, substantially as shown.

163,011
COMBINATION FOOD MERCHANDISING CONTAINER AND COOKING UTENSIL
Milton W. Wishnick, Oak Park, Ill.
Application October 8, 1948, Serial No. 149,022
Term of patent 14 years
(Cl. D44—1)



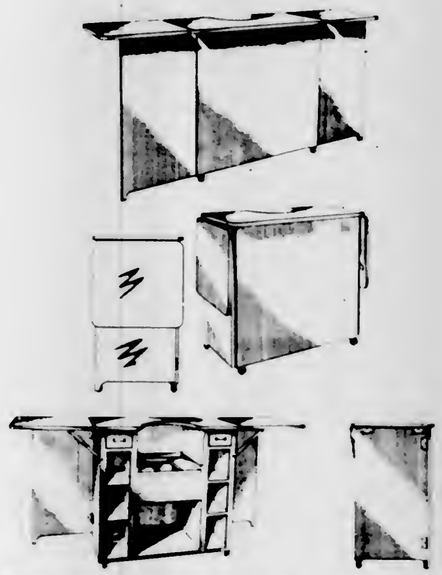
The ornamental design for a combination food merchandising container and cooking utensil, substantially as shown.

163,012
SHOE SOLE
Lawrence W. Yaggi, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 3, 1951, Serial No. 14,100
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, as shown and described.

163,013
EXTENDABLE AND PORTABLE BAR
Charles J. Zeman, Kalamazoo, Mich.
Application March 31, 1950, Serial No. 8,886
Term of patent 14 years
(Cl. D33—19)



The ornamental design for an extendable and portable bar, substantially as shown and described.

April 24, 1951 Volume 645 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Oral preparation intended to increase the absorption of fat in the human body. Serial No. 599,733, Apr. 24. Class 18.

Adams, Paul L., doing business as Toughbuoy Co., Dubuque, Iowa. Floats for valves. Serial No. 585,046, Apr. 24. Class 13.

Ajax Machine Company, Boston, Mass. Stitching guides for sewing machines. Serial No. 602,432, Apr. 24. Class 23.

Aktiebolaget Scharins Söner, Stockholm, Sweden. Insulating building boards, wall boards. Serial No. 565,604, Apr. 24. Class 12.

Aktiebolaget Sveriges Forenade Konservfabriker, Goteborg, Sweden. Canned fish. Serial No. 598,447, Apr. 24. Class 46.

Aktiebolaget Svetsmekano, Gothenburg, Sweden, assignee of Verkstadsaktiebolaget Haldex. Metal plate shearing and cutting machines. Serial No. 560,141, Apr. 24. Class 23.

Allied Products Company, St. Louis, Mo. Liquid medicinal feeding preparation. Serial No. 573,602, Apr. 24. Class 18.

Alumiline Corporation, The, Brooklyn, N. Y. Window frames and door frames. Serial No. 570,350, Apr. 24. Class 12.

Ambory Corporation, The, Hazel Park, Mich. Drain cleaners. Serial No. 570,680, Apr. 24. Class 23.

American Brands Corporation, Redwood City, Calif. Prepared mix of sugar, pectin, fruit juices, etc. Serial No. 592,744, Apr. 24. Class 46.

American Electric Heating Company, Erie, Pa. Air conditioning units. Serial No. 597,570, Apr. 24. Class 34.

American Potash & Chemical Corporation, New York, N. Y. Borates in crystallin, granular and powdered form. Serial No. 599,411, Apr. 24. Class 6.

Ansbacher-Siegle Corporation, New York, and Rosebank, N. Y. Colors for paints. Serial No. 575,831, Apr. 24. Class 16.

Aquafine Co.: *See*—
Smith, Floyd I.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Skin lotions and creams, reducing lotion, bleach cream and depilatory. Serial No. 590,731, Apr. 24. Class 51.

Armour and Company, doing business under the trade style Armour Laboratories, Chicago, Ill. Adrenocorticotropic composition. Serial No. 598,975, Apr. 24. Class 18.

Armour Laboratories: *See*—
Armour and Company.

Atlantic Biochemical Laboratories, Inc., Concord, N. H. Sedative and hypnotic preparation. Serial No. 575,520, Apr. 24. Class 18.

Austam Manufacturing Corp., New York, N. Y. Cigarette lighters. Serial No. 602,185, Apr. 24. Class 8.

Ayer, Harriet Hubbard, Inc., assignor to Lever Brothers Company, New York, N. Y. Perfume. Serial No. 559,891, Apr. 24. Class 51.

Ayer-McCarel-Reagan Clay Company, Brazil, Ind. Clay under drainage blocks. Serial No. 597,429, Apr. 24. Class 12.

Bac-A-Belt: *See*—
Supply Manufacturing Co., Inc.

Balin Export Company, Inc., New York, N. Y. Sewing machines. Serial No. 598,780, Apr. 24. Class 23.

Balkamp, Inc., Indianapolis, Ind. Matched and fitted ring and pinion gears and automotive splined axles. Serial No. 598,517, Apr. 24. Class 23.

Bangerter, Henri, Reconvilier, Switzerland. Watches and watch movements. Serial No. 590,877, Apr. 24. Class 27.

Bard, Howard, San Bernardino, Calif. Regularly published series of articles. Serial No. 601,133, Apr. 24. Class 38.

Barq's Incorporated, Biloxi, Miss. Nonalcoholic, noncereal, maltless beverages. Serial No. 597,190, Apr. 24. Class 45.

Basic Food Materials, Inc., Vermilion, Ohio. Pork sausage seasoning. Serial No. 598,147, Apr. 24. Class 46.

Belmont International, Inc., New York, N. Y. Men's and women's watches. Serial No. 590,417, Apr. 24. Class 27.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. Serial No. 576,508, Apr. 24. Class 2.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Reflectors and reflector hoods for electric lights. Serial No. 523,736, Apr. 24. Class 21.

Berkeley Industries, Jersey City, N. J. Racks for mounting onto a wall, etc. Serial No. 585,911, Apr. 24. Class 13.

Bijur Lubricating Corporation, Long Island City, N. Y. Copper and brass tubing, flap valves, etc. Serial No. 526,190, Apr. 24. Class 13.

Billings & Spencer Co., The, Hartford, Conn. Display racks and stands. Serial No. 583,237, Apr. 24. Class 32.

Biloxi Seafood Packing Co., Inc., Biloxi, Miss. Canned oysters and canned and frozen fresh shrimp. Serial No. 597,122, Apr. 24. Class 46.

Binney & Smith Company, New York, N. Y. Block printing ink. Serial No. 599,148, Apr. 24. Class 11.

Book Club Associates, Inc., Garden City, N. Y. Books. Serial No. 572,480, Apr. 24. Class 38.

Borden Company, The, New York, N. Y. Lecithin used as a nutritive ingredient. Serial No. 580,918, Apr. 24. Class 46.

Bowcraft Co., Inc., The, New York, N. Y. Ribbon and leather bows, ribbon bows, shoe ornaments, etc. Serial No. 578,761, Apr. 24. Class 40.

Brom Drug Company: *See*—
Brom, Harry E.

Brom, Harry E., doing business as Brom Drug Company, Benson, Minn. Eye glass and camera lens cleaner. Serial No. 566,789, Apr. 24. Class 52.

Brown Company, Portland, Maine. Paper towels. Serial No. 588,000, Apr. 24. Class 37.

Bundle Company, The: *See*—
Madison, Gerald C.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Self-energizing galvanic couple. Serial No. 520,548, Apr. 24. Class 21.

Butler Engineering Company: *See*—
Butler, Edgar M.

Butler, Fred W., Company, The: *See*—
Mayhaum, John L.

Calo Dog Food Company, Inc., Oakland, Calif. Canned dog and cat food. Serial No. 597,059, Apr. 24. Class 46.

Capskar, Inc., New York, N. Y. Solution for treating nylon stockings. Serial No. 583,329, Apr. 24. Class 6.

Carand Corporation, Racine, Wis. Adhesive tape remover. Serial No. 588,201, Apr. 24. Class 6.

Carbide and Carbon Chemical Corporation, New York, N. Y., now by merger Union Carbide and Carbon Corporation. Organic chemical compositions. Serial No. 579,393, Apr. 24. Class 6.

Carnrick, G. W., Co., Newark, N. J. Hematinic for treatment of anemias. Serial No. 579,150, Apr. 24. Class 18.

Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 600,042, Apr. 24. Class 18.

Central States Mfg. Co.: *See*—
Dazey Corporation.

Century Machine Company, The, Cincinnati, Ohio. Cake mixers, cookie droppers, panning conveyors. Serial No. 546,759, Apr. 24. Class 23.

Chicago Towel Company, Chicago, Ill. Toilet tissue dispensers. Serial No. 601,094, Apr. 24. Class 13.

Cincinnati Mine Machinery Co., The, Cincinnati, Ohio. Cutter chain, cutter chain block, bit holder, etc. Serial No. 589,835, Apr. 24. Class 23.

Clifton Manufacturing Company, Waco, Tex. Venetian blinds. Serial No. 497,454, Apr. 24. Class 32.

Coast Paint and Chemical Co., Los Angeles, Calif. Plastic compound. Serial No. 588,480, Apr. 24. Class 12.

Cochrane Corporation, Philadelphia, Pa. Multiport, backpressure, flow, boiler blow-off, drainer, float and relief valves, etc. Serial No. 590,883, Apr. 24. Class 13.

Coleman Company, Inc., The, Wichita, Kans. Vapor or gas generating pressure lamps; vapor, gas, and oil lanterns, etc. Serial No. 545,957, Apr. 24. Class 34.

Cones, Ben, doing business under the name and style of Jet Air Cones System, Indianapolis, Ind. Air induction and diffusion nozzles; air ducts; and duct dampers, etc. Serial No. 582,601, Apr. 24. Class 34.

Consolidated Engineers Company, Inc., Chicago, Ill. Powdered slag and soot solvent. Serial No. 592,611, Apr. 24. Class 32.

Consolidated Western Steel Corporation, Los Angeles, Calif. Gas and oil separators. Serial No. 599,083, Apr. 24. Class 13.

Cornell Manufacturing Co., New York and Long Island City, N. Y. Airplane and machine parts. Serial No. 600,533, Apr. 24. Class 13.

Crump, B. T., Company, Inc., Richmond, Va. Hassocks. Serial No. 599,750, Apr. 24. Class 32.

Cudahy Packing Company, The, Chicago, Ill. Oleomargarine. Serial Nos. 599,751–2, Apr. 24. Class 46.

Culligan Zeolite Company, Northbrook, Ill. Servicing of portable and stationary apparatus and equipment. Serial No. 530,627, Apr. 24. Class 103.

Cutler-Hammer, Inc., Milwaukee, Wis. Thermostatically controlled electrical switches, gas meters, etc. Serial No. 578,774, Apr. 24. Class 26.

Cutler-Hammer, Inc., Milwaukee, Wis. Thermostatically controlled electrical switches, gas meters, etc. Serial No. 578,776, Apr. 24. Class 26.

Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies. Serial No. 578,777, Apr. 24. Class 21.

Dalin, David, Milwaukee, Wis. Heat exchangers. Serial No. 596,985, Apr. 24. Class 34.

Dalzell, Earline, doing business as La Truce Product, Denver, Colo. Liquid preparation for eradicating wrinkles. Serial No. 584,389, Apr. 24. Class 51.

Danial, Ross, doing business as New York Bottling Works, Syracuse, N. Y. Non-alcoholic, non-cereal, maltless beverages. Serial No. 595,595, Apr. 24. Class 45.

Dazey Corporation, doing business as Central States Mfg. Co., St. Louis, Mo. Hand operated kitchen appliances. Serial No. 604,625, Apr. 24. Class 23.

Delta-Rich Food Co., Long Beach, Calif. Canned tuna. Serial No. 598,164, Apr. 24. Class 46.

Denver Clock & Watch Corporation, New York, N. Y. Clocks and watches. Serial No. 603,003, Apr. 24. Class 27.

De Vincentis, Euginio, Derby, Conn. Medicinal preparation. Serial No. 582,005, Apr. 24. Class 18.

Dexter Folder Company, Pearl River, N. Y. Sheet feeding machines, etc. Serial No. 539,671, Apr. 24. Class 23.

Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Monoesters of polyhydric alcohols. Serial No. 588,918, Apr. 24. Class 6.

Dittmer, Henry W., doing business as Yellowstone Honey Syrup Company, Cody, Wyo. Honey syrups. Serial No. 589,434, Apr. 24. Class 46.

Dixie Tallyho, Inc., Fairburn, Ga. Removable passenger carrying unit. Serial No. 590,013, Apr. 24. Class 19.

Dunbar Glass Corporation, Dunbar, W. Va. Glass jugs; vases; jars; etc. Serial No. 550,590, Apr. 24. Class 33.

Duncombe, Tyrrell H., St. Petersburg, Fla. Non-poisonous body aseptic. Serial No. 522,033, Apr. 24. Class 18.

Dun-Wel Industries: *See*—
MacAllister, John L.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Shaped explosive charges. Serial No. 585,274, Apr. 24. Class 9.

Duramite Chemical Company, Winston-Salem, N. C. Chemical resistant coatings. Serial No. 579,674, Apr. 24. Class 6.

Eastman Kodak Company, assignee: *See*—
Distillation Products, Inc.

Economy Furniture Upholstery: *See*—
Smith, Milton T.

Ehrhart & Arthur, Inc., doing business as Productol Company, Los Angeles, Calif. Cresylic acid. Serial No. 600,423, Apr. 24. Class 6.

Exchange Distributing Company, Birmingham, Ala. Fresh vegetables, fresh fruit, and fresh citrus fruit. Serial No. 599,370, Apr. 24. Class 46.

Exeter Vineyards Association, Exeter, Calif. Fresh grapes. Serial Nos. 599,623–4, Apr. 24. Class 46.

Family Reading Club Corporation, Garden City, N. Y. Books. Serial Nos. 572,494–5, Apr. 24. Class 38.

Fehr, Frank, Brewing Co., Incorporated, Louisville, Ky. Beer. Serial Nos. 529,621–2, Apr. 24. Class 48.

Field, Harry H., San Francisco, Calif. Jewelry and costume jewelry. Serial No. 598,948, Apr. 24. Class 28.

Filters Incorporated, Passaic, N. J. Filtering materials. Serial No. 585,790, Apr. 24. Class 31.

Fine Colors Company, Paterson, N. J. Lakes and dry colors. Serial No. 600,654, Apr. 24. Class 11.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic perfumery compositions, etc. Serial No. 593,662, Apr. 24. Class 51.

Firmenich, Incorporated: *See*—
Firmenich & Co.

Flex-Let Corporation, East Providence, R. I. Expansion type watch bracelets. Serial No. 599,509, Apr. 24. Class 28.

Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. Serial No. 580,187, Apr. 24. Class 6.

Ford Motor Company, Dearborn, Mich. Automobiles. Serial No. 596,335, Apr. 24. Class 19.

For-Dom Inc., New York, N. Y. Publications. Serial No. 598,298, Apr. 24. Class 38.

Franklin Research Company, Philadelphia, Pa. Wax emulsions. Serial No. 600,476, Apr. 24. Class 6.

Frawley Corporation, San Francisco, Calif. Ball point pen inks and fountain pen inks. Serial No. 591,724, Apr. 24. Class 11.

Frontier Savings Stamps, Incorporated, El Paso, Tex. Trading stamps. Serial No. 597,880, Apr. 24. Class 38.

Frozen Cow, Inc., New York, N. Y. Ice cream and custard freezers, etc. Serial No. 601,036, Apr. 24. Class 31.

Gas & Oil Industry Laboratories Incorporated, Irvington, N. J. Gas filters. Serial No. 587,020, Apr. 24. Class 31.

Germo Manufacturing Company, St. Louis, Mo. Liquid soaps, liquid cleaning compounds, etc. Serial No. 573,421, Apr. 24. Class 52.

Giefre, V., & Sons, Canastota, N. Y. Vegetables. Serial No. 598,582, Apr. 24. Class 46.

Gist-O Company, The: *See*—
Steen, King A.

Giviemme, S. A., Milan, Italy. Perfumes and toilet water. Serial Nos. 568,367–9, Apr. 24. Class 51.

Giviemme, S. A., Milan, Italy. Perfumes and toilet water. Serial No. 568,371, Apr. 24. Class 51.

Godefroy Manufacturing Company, St. Louis, Mo. Shampoo. Serial No. 598,949, Apr. 24. Class 52.

Gold Seal Co., Inc., Charlotte, N. C. Television receiving sets. Serial No. 601,324, Apr. 24. Class 21.

Granat Bros., San Francisco, Calif. Watches. Serial No. 600,672, Apr. 24. Class 27.

Gregor Chocolates, Inc., New York, N. Y. Candy. Serial No. 599,240, Apr. 24. Class 46.

Grey Iron Casting Company, Mount Joy, Pa. Can openers, fish scalers, grindstone fixtures, etc. Serial No. 596,842, Apr. 24. Class 23.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 602,692, Apr. 24. Class 27.

Gurney Security Paper Company, Brooklyn, N. Y. Safety paper. Serial No. 573,765, Apr. 24. Class 37.

Hall, J. C., Company, The, Pawtucket, R. I. Safety paper, checks and check books, etc. Serial No. 573,125, Apr. 24. Class 37.

Hammett, J. L., Company, Cambridge, Mass. Art paper. Serial No. 598,997, Apr. 24. Class 37.

Harris, Morris, Brooklyn, N. Y. Paint brushes. Serial No. 589,508, Apr. 24. Class 29.

Harrison, Cosby, P., Crossville, Tenn. Used machinery and equipment advertising paper. Serial No. 601,215, Apr. 24. Class 38.

Haskell, Charles C., & Co., Inc., Richmond, Va. Analgesic, antihistamine compound. Serial No. 599,871, Apr. 24. Class 18.

Helwig & Leitch, Inc., Baltimore, Md., assignor to Jewett & Sherman Company, Milwaukee, Wis. Pickles. Serial No. 599,827, Apr. 24. Class 46.

Henekeys Limited, London, England. Scotch whisky. Serial No. 571,140, Apr. 24. Class 49.

Hertner Electric Company, The, Cleveland, Ohio. Battery charging apparatus. Serial No. 599,634, Apr. 24. Class 21.

Hoffman Radio Corporation, Los Angeles, Calif. Television receiving sets. Serial No. 578,692, Apr. 24. Class 21.

Holloway, M. J., & Company, Chicago, Ill. Candy. Serial No. 591,619, Apr. 24. Class 46.

Holoplast Limited, New Hythe, near Maidstone, Kent, England. Panels formed of synthetic resin and adapted for use as roof sheeting and side walls. Serial No. 597,683, Apr. 24. Class 12.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Dusters, applicators and diffusors. Serial No. 601,919, Apr. 24. Class 23.

Ice-Klat Packing Company, Salinas, Calif. Fresh lettuce. Serial No. 584,236, Apr. 24. Class 46.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Diaphragm type valves. Serial No. 511,817, Apr. 24. Class 13.

Imperial Chemical (Pharmaceuticals) Limited, Slough, Buckinghamshire, England. Pharmaceutical substances. Serial No. 584,001, Apr. 24. Class 18.

Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 602,455, Apr. 24. Class 11.

Interlock Corporation, Philadelphia, Pa. Coupling and releasing type fasteners. Serial No. 586,353, Apr. 24. Class 13.

Jet Air Cones System: *See*—
Cones, Ben.

Jewett & Sherman Company: *See*—
Helwig & Leitch, Inc.

Johnson Fare Box Company, Chicago, Ill. Locking relays and electrical apparatus. Serial No. 567,024, Apr. 24. Class 21.

Jon-Howard, Inc., Minneapolis, Minn. Dispenser or sprayer for dispensing a germicidal. Serial No. 584,281, Apr. 24. Class 44.

Kantro, Jerome, doing business as Jerome Kantro Company, Salinas, Calif. Fresh vegetables. Serial No. 583,399, Apr. 24. Class 46.

Kantro, Jerome, Company: *See*—
Kantro, Jerome.

Kegan Laboratory: *See*—
Sarkisian, Kegan.

Knapp-Monarch Company, St. Louis, Mo. Electric sadirons. Serial No. 601,442, Apr. 24. Class 21.

Knapp-Monarch Company, St. Louis, Mo. Electrical appliances. Serial No. 604,913, Apr. 24. Class 21.

Kochs, Theo. A.: *See*—
Paidar, Emil J., Company.

Lanolin Plus Cosmetics, Inc., Chicago, Ill. Toilet soap and laundry soap. Serial No. 512,840, Apr. 24. Class 52.

La Truce Product: *See*—
Dalzell, Earline.

Lee, William R., Limited, Heywood, England. Filter cloths. Serial No. 602,033, Apr. 24. Class 31.

Lektrolite Corporation, New York, N. Y. Cigarette lighters, and parts for cigarette lighters. Serial No. 590,230, Apr. 24. Class 8.

Lever Brothers Company, assignee: *See*—
Ayer, Harriet Hubbard, Inc.

Lever Brothers Company, New York, N. Y. Chemical preparation. Serial No. 600,294, Apr. 24. Class 6.

Literary Guild of America, Inc., The, Garden City, N. Y. Books. Serial No. 572,574, Apr. 24. Class 38.

Literary Guild of America, Inc., The, Garden City, N. Y. Books. Serial No. 573,328, Apr. 24. Class 38.

Literary Guild of America, Inc., The, Garden City, N. Y. Books. Serial No. 573,957, Apr. 24. Class 38.

Lullaby System, Atlanta, Ga. Diaper laundry service. Serial No. 529,660, Apr. 24. Class 103.

Lyons, Diane, Coronado, Calif. Newspaper column. Serial No. 601,153, Apr. 24. Class 38.

MacAllister, John L., doing business under the name of Dun-Wel Industries, Los Angeles, Calif. Fishing leaders. Serial No. 554,318, Apr. 24. Class 22.

Macke, G. B., Corporation, The, Washington, D. C. Profit sharing coupons and premium catalogues. Serial No. 601,502, Apr. 24. Class 38.

Madison, Gerald C., doing business as The Bundle Company, Santa Monica, Calif. Service table. Serial No. 600,136, Apr. 24. Class 32.

Marine Optical Manufacturing Co.: *See*—
Marine Optical Mfg. Co.

Marine Optical Mfg. Co., Roslindale, Boston, assignor to Marine Optical Manufacturing Co., Boston, Mass. Sunglasses, industrial goggles, optical frames, etc. Serial No. 548,748, Apr. 24. Class 26.

Market Basket Stores, Inc., Everett, Mass. Coffee. Serial No. 566,909, Apr. 24. Class 46.

Marmon-Herrington Company, Inc., Indianapolis, Ind. Automobiles, busses, automotive trucks, etc. Serial No. 500,620, Apr. 24. Class 19.

Martin, Glenn L., Company, The, Baltimore, and Middle River Md., assignor to The United States Rubber Company, New York, N. Y. Synthetic resinous compositions. Serial No. 585,073, Apr. 24. Class 6.

Mastercrafters Clock & Radio Company, Chicago, Ill. Clocks. Serial No. 601,450, Apr. 24. Class 27.

Maybaum, John L., doing business as The Fred W. Butler Company, Philadelphia, Pa. Demonstration tables. Serial No. 578,987, Apr. 24. Class 32.

McCormack-Medi Corporation, Philadelphia, Pa. Exterior and interior paints, etc. Serial No. 573,886, Apr. 24. Class 16.

McCowan, David A., Inc., Buffalo, N. Y. Merchandise display stands and merchandise display cabinets. Serial No. 598,377, Apr. 24. Class 32.

McGraw Electric Company, Elgin, Ill. Electrical appliances. Serial No. 600,901, Apr. 24. Class 21.

McNaught Syndicate, Inc., The, New York, N. Y. Daily comic strip. Serial No. 599,250, Apr. 24. Class 38.

Meletron Corporation, Los Angeles, Calif. Rotary selector switches, pressure and vacuum operated switches, etc. Serial No. 603,161, Apr. 24. Class 21.

Metal Specialties Manufacturing Co., Chicago, Ill. Stapling machines, staple removers, paper punches, etc. Serial No. 542,233, Apr. 24. Class 23.

Mikulas, Mylan M., doing business as Mylan's Pharmacy, San Francisco, Calif. Medicinal preparation, multivitamin tablets, etc. Serial No. 576,765, Apr. 24. Class 18.

Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y. Text and cover papers. Serial No. 592,083, Apr. 24. Class 37.

Monmouth Canning Company, Portland, Maine. Canned pork and beans. Serial No. 599,961, Apr. 24. Class 46.

Mylan's Pharmacy: *See*—
Mikulas, Mylan M.

Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Motor vehicle heaters and air conditioners. Serial No. 599,895, Apr. 24. Class 19.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Wiping and polishing cloths. Serial No. 590,822, Apr. 24. Class 29.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Paper tape having an adhesive coating. Serial No. 599,004, Apr. 24. Class 5.

National Cylinder Gas Company, Chicago, Ill. Chemical preparation. Serial No. 600,389, Apr. 24. Class 6.

National Die Casting Company, Chicago, Ill. Portable electric space heaters and parts thereof. Serial No. 587,117, Apr. 24. Class 21.

National Exchange Club, The, Toledo, Ohio. Lapel buttons, pins and badges. Serial No. 600,504, Apr. 24. Class 28.

Nelson Chemicals Corporation, Detroit, Mich. Detergents. Serial No. 600,139, Apr. 24. Class 52.

Nelson Doubleday, Inc., Garden City, N. Y. Books. Serial No. 572,580, Apr. 24. Class 38.

New York Bottling Works: *See*—
Danial, Ross.

Nopco Chemical Company, Harrison, N. J. Surface active agent as additive for Portland and masonry cements. Serial No. 561,679, Apr. 24. Class 12.

Norma Originals, Inc., New York, N. Y. Perfume. Serial No. 587,350, Apr. 24. Class 51.

Norman, Alpheus J., Jr., doing business under the name and style of Nor-Vase Company, East Orange, N. J., and Warwick, N. Y. Vase. Serial No. 596,933, Apr. 24. Class 2.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Electro-magnetic cores. Serial No. 557,381, Apr. 24. Class 21.

Northland Foods, Inc., Duluth, Minn. Canned preparations of raspberries, blueberries and cherries. Serial No. 598,958, Apr. 24. Class 46.

North Pacific Canners & Packers, Inc. Portland, Oreg. Canned and frozen fruits and vegetables. Serial No. 544,755, Apr. 24. Class 46.

Northwestern National Bank of Minneapolis, Minneapolis, Minn. Banking services. Serial No. 587,904, Apr. 24. Class 102.

Nor-Vase Company: *See*—
Norman, Alpheus J., Jr.

Omnipol Akciova: *See*—
Omnipol, Limited Company.

Omnipol, Limited Company, also named Omnipol Akciova, Prague, Czechoslovakia. Electrical apparatus. Serial No. 559,808, Apr. 24. Class 21.

Packard Manufacturing Company, Jacksonville, Fla. Porcelain plumbing supplies. Serial No. 563,275, Apr. 24. Class 13.

Paidar, Emil J., Company, doing business as Theo. A. Kochs Company, Chicago, Ill. Barber chairs and beauty parlor chairs. Serial No. 600,846, Apr. 24. Class 32.

Parkis Mills, Inc., Ballston Lake, N. Y. Self-rising griddle cake flour. Serial No. 599,651, Apr. 24. Class 46.

Perfect Circle Corporation, Hagerstown, Ind. Instructing mechanics and repairmen in the methods of overhauling and repairing internal combustion engines. Serial No. 537,617, Apr. 24. Class 107.

Permoflux Corporation, Chicago, Ill. Electrically operated dictating machines. Serial No. 590,758, Apr. 24. Class 21.

Permold Company, The, Medina, Ohio. Cast metallic brake parts and wheels. Serial No. 584,637, Apr. 24. Class 19.

Pfanstiehl Detergent Chemicals, Inc., Chicago, Ill. Bactericide. Serial No. 566,097, Apr. 24. Class 6.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 601,838, Apr. 24. Class 18.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 599,582, Apr. 24. Class 46.

Plant Protection Limited, Yalding, England. Insecticides and fungicides. Serial No. 594,581, Apr. 24. Class 6.

Plomb Tool Co., Inc., J. P. Danielson Division, Jamestown, N. Y. Wrenches. Serial No. 569,294, Apr. 24. Class 23.

Potter Press, The, Waltham, Mass. Manifold forms, manifold booklets, invoice or bill forms, etc. Serial No. 601,168, Apr. 24. Class 37.

Productol Company: *See*—
Ehrhart & Arthur, Inc.

Products Manufacturing Co. Inc., Baltimore, Md. Dropper for feeding premature infants. Serial No. 578,411, Apr. 24. Class 44.

Protecto Products Co., Inc., Pomona, Calif. Paper toilet seat covers, paper napkins, paper garment hanger covers, etc. Serial No. 578,824, Apr. 24. Class 37.

Publishers Syndicate, Chicago, Ill. Comic strip. Serial No. 601,118, Apr. 24. Class 38.

Quercia, Marcel, Paris, France. Cartridges, tanks and containers filled with fuel gas. Serial No. 538,561, Apr. 24. Class 6.

Refrigeradora del Noroeste, S. A., Mazatlan, Sinaloa, Mexico. Frozen shrimp. Serial No. 597,371, Apr. 24. Class 46.

Renown Pictures Corporation Limited, London, England. Motion pictures. Serial No. 592,100, Apr. 24. Class 26.

Rheostatic Company Limited, The, Slough, England. Thermally operated electric switches and thermally operated electric control circuits. Serial No. 576,657, Apr. 24. Class 26.

Richardson Corporation, Rochester, N. Y. Non-alcoholic maltless soft drinks, etc. Serial No. 600,851, Apr. 24. Class 45.

Richardson, Dick, Company, Inc., doing business as Traf-A-Lope Company, Kansas City, Mo. Partially printed envelopes. Serial No. 590,390, Apr. 24. Class 37.

Riffle, John A., doing business as John Riffle Hatchery, Shenandoah, Iowa. Baby chicks. Serial No. 590,945, Apr. 24. Class 1.

Riffle, John, Hatchery: *See*—
Riffle, John A.

Robins, A. H., Company, Inc., Richmond, Va. Antispasmodic preparation. Serial No. 602,633, Apr. 24. Class 18.

Robins, A. H., Company, Inc., Richmond, Va. Antacid preparation. Serial No. 606,810, Apr. 24. Class 18.

Rossitch Company, Chicago, Ill. Upholstery and rug cleaner. Serial No. 582,650, Apr. 24. Class 52.

St. John & Co., Chicago, Ill. Trucks; truck casters; composite wheels, etc. Serial No. 519,702, Apr. 24. Class 19.

Sarkisian, Kegan, doing business under the name and style of Kegan Laboratory, Englewood, N. J. Extract used as a medicine tonic. Serial No. 599,980, Apr. 24. Class 18.

Schmidt Bros., Buffalo, N. Y. Russian dressing, mayonnaise, tartar sauce, etc. Serial No. 534,374, Apr. 24. Class 46.

Schweizerische Werkzeug-Industriegesellschaft Gebr. Levalliant, Basel, Switzerland. Hand tools. Serial No. 594,730, Apr. 24. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Plumbing connected dairy and hog drinking bowls, float valves, etc. Serial No. 570,641, Apr. 24. Class 13.

Seidlitz Paint & Varnish Company, Kansas City, Mo. Paint, varnish, and lacquer. Serial No. 558,253, Apr. 24. Class 16.

Shaw-Barton, Inc., Coshocton, Ohio. Leather-bound diary-like calenders. Serial No. 589,922, Apr. 24. Class 37.

Sherwin-Williams Company, The, Cleveland, Ohio. Ready-mixed paint. Serial No. 578,831, Apr. 24. Class 16.

Shifman Bros., Newark, N. J. Mattresses. Serial Nos. 600,918–19, Apr. 24. Class 32.

Shifman Bros., Newark, N. J. Mattresses. Serial Nos. 600,922–3, Apr. 24. Class 32.

Shifman Bros., Newark, N. J. Mattresses. Serial No. 600,926, Apr. 24. Class 32.

Sigma Delta Chi, Grand Forks, N. Dak. Entertainment service. Serial No. 597,104, Apr. 24. Class 107.

Simmons Company, New York, N. Y. Bedsprings. Serial No. 600,087, Apr. 24. Class 32.

Slumber Products Corporation, Memphis, Tenn. Mattresses. Serial No. 600,453, Apr. 24. Class 32.

Smith, Floyd L., doing business as Aquafine Co., Los Angeles, Calif. Sterilizers utilizing ultra-violet radiation. Serial No. 575,676, Apr. 24. Class 21.

Smith, Milton T., doing business as Economy Furniture Upholstery, Austin, Tex. Beds, chests, desks, etc. Serial No. 597,471, Apr. 24. Class 32.

Smith Vegetable Company, Phoenix, Ariz. Fresh vegetables. Serial No. 559,740, Apr. 24. Class 46.

South Bend Bait Co., South Bend, Ind. Artificial fishing baits and lures. Serial No. 601,810, Apr. 24. Class 22.

Souvenir Lead Pencil Company, Cedar Rapids, Iowa. Pencils. Serial No. 584,020, Apr. 24. Class 37.

Spence Bryson & Company Limited, Belfast, Northern Ireland. Piece goods. Serial No. 577,078, Apr. 24. Class 42.

Stanley Drug Products, Inc., Portland, Oreg. Douche, antiseptic and deodorant germicidal powders and suppositories, etc. Serial No. 574,932, Apr. 24. Class 18.

Stanley Home Products, Inc., Westfield, Mass. Chemical disinfectant. Serial No. 597,788, Apr. 24. Class 6.

Stanley Home Products, Inc., Westfield, Mass. Clothes washers and clothespins. Serial No. 604,400, Apr. 24. Class 24.

Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. Serial No. 586,710, Apr. 24. Class 37.

Star Pharmacal Co. Inc., Chicago, Ill. Medicinal cream preparation. Serial No. 567,660, Apr. 24. Class 18.

Steen, King A., doing business as The Gist-O Company, Marshes Siding, Ky. Ready mixed masonry mortar. Serial No. 565,386, Apr. 24. Class 12.

Stewart-Warner Corporation, Chicago, Ill. Lubricant dispensing pumps. Serial No. 572,874, Apr. 24. Class 23.

Sun Vertikal Blind Company, Grand Rapids, Mich. Window blinds. Serial No. 600,236, Apr. 24. Class 32.

Supply Manufacturing Co., Inc., and doing business under the name Bac-A-Belt, New York, N. Y. Belt buckle parts. Serial No. 602,476, Apr. 24. Class 40.

Swank, Inc., Attleboro, Mass. Belt buckles. Serial No. 599,278, Apr. 24. Class 28.

Telrex, Inc., Asbury Park, N. J. Radio and/or television antennas. Serial No. 595,862, Apr. 24. Class 21.

Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Steel roofing and siding sheets. Serial No. 582,001, Apr. 24. Class 12.

Toughbuoy Co.: *See*—
Adams, Paul L.

Trat-A-Lope: *See*—
Richardson, Dick, Company, Inc.

Troop Water Heater Company, Pittsburgh, Pa. Water purifying and softening apparatus. Serial Nos. 572,621–2, Apr. 24. Class 31.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Carbide and Carbon Corporation: *See*—
Carbide and Carbon Chemical Corporation.

United Wallpaper, Inc., Chicago, Ill. Wallpaper and borders. Serial No. 601,084, Apr. 24. Class 37.

United States Envelope Company, Springfield, Mass. Writing and printing papers and correspondence cards, etc. Serial Nos. 575,311–12, Apr. 24. Class 37.

United States Rubber Company, The, assignee: *See*—
Martin, Glenn L., Company, The.

Van Wely-Dekkers, Maria P., Amsterdam, Netherlands. Picture post cards, prayer-book prints, pictorial engravings, etc. Serial No. 547,681, Apr. 24. Class 38.

Verkstadsaktiebolaget Haldex: *See*—
Aktiebolaget Svetsmekano.

Verona Chemical Company, Newark, N. J. Odoriferous and aromatic chemicals. Serial No. 600,001, Apr. 24. Class 6.

Vital Products Manufacturing Company, Cleveland, Ohio. Piston-type gun for dispensing pastry dough, etc. Serial No. 580,444, Apr. 24. Class 23.

Welbilt Stove Company, Inc., Maspeth, N. Y. Timer control for kitchen ranges. Serial No. 584,648, Apr. 24. Class 26.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Agricultural pesticides. Serial Nos. 595,996–8, Apr. 24. Class 6.

Winthrop-Stearns Inc., New York, N. Y. Emollient, sudsing, antibacterial detergent. Serial No. 596,250, Apr. 24. Class 52.

Wolfschmidt Limited, Charlotte Amalie and St. Thomas, V. I., and New Haven, Conn. Vodka. Serial No. 601,124, Apr. 24. Class 49.

Woodwork Corporation of America, Chicago, Ill. Showcases, counters, cabinets, etc. Serial No. 535,778, Apr. 24. Class 32.

Wulff, Lee, Shushan, N. Y. Artificial lures and flies and kits. Serial No. 589,132, Apr. 24. Class 22.

Yellowstone Honey Syrup Company: *See*—
Dittmer, Henry W.

Zonolite Company, Chicago, Ill. Lightweight insulating wall, floor, ceiling or roof board. Serial Nos. 600,104–8, Apr. 24. Class 12.

LIST OF REGISTRANTS OF TRADE-MARKS

Abilene Alfalfa Sales Company, Abilene, Kans. Stock feed. 541,344, Apr. 24; Serial No. 563,231, published Nov. 28, 1950. Class 46.

Abrahamsen, Hans, doing business as Hans Barbeque, Oklahoma City, Okla. Barbeque hot sauce. 541,335, Apr. 24; Serial No. 559,984, published Jan. 2, 1950. Class 46.

Acme Distributors, Middle Village, N. Y. Canned and bottled pickles, olives, sauerkraut, etc. 541,302, Apr. 24; Serial No. 547,952, published July 5, 1949. Class 46.

Acme-Evans Company, Inc., assignee: *See*—
Blish Milling Company.

Aeolian American Corporation, New York, N. Y. Pianos. 541,374, Apr. 24; Serial No. 573,222, published Jan. 23, 1951. Class 36.

Akin, Harry, Austin, Tex. Hamburger sandwiches. 541,617, Apr. 24; Serial No. 587,156. Class 46.

Aktiebolaget Astra, Apotekarnes Kemiska Fabriker, Sodertalje, Sweden. Medicinal and pharmaceutical preparations. 541,368, Apr. 24; Serial No. 570,606, published Jan. 30, 1951. Class 18.

Alamosa Flour Mills: *See*—
Colorado Milling & Elevator Co., The.

Alberto-Culver Company: *See*—
Culver, Blaine.

Aldon Products Company, The, Duncannon, Pa. Counters, and tables, and tops for counters and tables. 541,546, Apr. 24; Serial No. 595,525, published Jan. 9, 1951. Class 32.

Allied Chemical & Dye Corporation: *See*—
Barrett Company, The.

Allied Chemical & Dye Corporation, New York, N. Y. Synthetic organic chemical compositions. 541,467, Apr. 24; Serial No. 587,925, published Feb. 6, 1951. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Synthetic organic coloring compositions. 541,468, Apr. 24; Serial No. 587,928, published Feb. 6, 1951. Class 6.

Allied Home Products Corporation, Beloit, Wis. Compound for use on automobiles which washes, waxes, and polishes. 541,609, Apr. 24; Serial No. 583,017. Class 4.

All-Steel Equipment Inc., Aurora, Ill. Filing equipment, etc. 541,304, Apr. 24; Serial No. 548,780, published Jan. 9, 1951. Class 32.

Alva Roller Mills: *See*—
Flour Mills of America, Inc.

Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Canned meats. 541,583, Apr. 24; Serial No. 582,876, published Jan. 16, 1951. Class 46.

Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Fish. 541,584, Apr. 24; Serial No. 582,877, published Jan. 16, 1951. Class 46.

Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Sausage. 541,585, Apr. 24; Serial No. 582,880, published Jan. 16, 1951. Class 46.

American Chemical Paint Company, Ambler, Pa. Chemical preparations useful for the stimulation of seed potatoes. 541,476, Apr. 24; Serial No. 589,302, published Jan. 9, 1951. Class 10.

American Chewing Products Corp., Newark, N. J. Chewing gum. 541,502, Apr. 24; Serial No. 591,539, published Jan. 23, 1951. Class 46.

American Shetland Pony Club, The, South Bend, Ind. Monthly magazines. 541,621, Apr. 24; Serial No. 589,697. Class 38.

American Steel Foundries, Chicago, Ill. Metal working machine tools. 541,406, Apr. 24; Serial No. 581,637, published Dec. 26, 1950. Class 23.

American Tack Co., Inc., New York, N. Y. Upholstery nails, furniture nails, and furniture glides. 541,531, Apr. 24; Serial No. 594,432, published Jan. 9, 1951. Class 13.

Anderson, Alfred: *See*—
Anderson Chemical Company, The.

Anderson Chemical Company: *See*—
Anderson Chemical Company, The.

Anderson Chemical Company, The, Litchfield, Minn., assignee of Alfred Anderson, doing business as Anderson Chemical Company. Metal hand oilers. 541,257, Apr. 24; Serial No. 509,490, published Jan. 30, 1951. Class 2.

Anheuser-Busch, Inc., St. Louis, Mo. Yeast. 283,985, renewed June 9, 1951. O. G. Apr. 24. Class 46.

Armour and Company, Chicago, Ill. Sausage. 541,313, Apr. 24; Serial No. 550,771, published Dec. 12, 1950. Class 46.

Armour and Company, Chicago, Ill. Pork sausage. 541,314, Apr. 24; Serial No. 550,772, published Dec. 12, 1950. Class 46.

Armour and Company, Chicago, Ill. Mixture of fatty acids and organic bases. 541,421, Apr. 24; Serial No. 583,233, published Feb. 6, 1951. Class 6.

Armstrong Packing Company: *See*—
Swift & Company.

Astoria Fibre Corporation, Astoria, N. Y. Woven fibre furniture. 541,399, Apr. 24; Serial No. 580,453, published Feb. 6, 1951. Class 32.

Atlantic Syrup Refining Corporation, Philadelphia, Pa. Inverted cane sugar syrup. 541,298, Apr. 24; Serial No. 546,164, published Jan. 2, 1951. Class 46.

Auto City Plating Co., Detroit, Mich. Electro-plating. 541,581, Apr. 24; Serial No. 588,784, published Jan. 16, 1951. Class 106.

Automatic Poultry Feeder Company, Zeeland, Mich. Poultry feeding machines. 541,457, Apr. 24; Serial No. 587,234, published Jan. 9, 1951. Class 23.

"Automatic" Sprinkler Corporation of America: *See*—
Protex Chemical Co.

Automobile Club of New Haven County, The, New Haven, Conn. Magazine. 277,730, renewed Nov. 25, 1950. O. G. Apr. 24. Class 38.

Automotive Sprinkler Company, Inc., North Platte, Nebr. Lawn sprinklers. 541,355–7, Apr. 24; Serial Nos. 567,844–6, published Jan. 9, 1951. Class 13.

Auto-Soler Company, The, Atlanta, Ga. Fastener forming and inserting machines. 541,342, Apr. 24; Serial No. 562,819, published Jan. 16, 1951. Class 23.

Baconette Products Company: *See*—
Darrow, George A.

Badger Paint & Hardware Stores, Inc., doing business as Badger Paint and Varnish Works, Milwaukee, Wis. Ready-mixed paint, varnish, paint dryers, paint enamels, etc. 541,596, Apr. 24; Serial No. 548,562. Class 16.

Badger Paint and Varnish Works: *See*—
Badger Paint & Hardware Stores, Inc.

Balfour, Guthrie & Company, to Balfour, Guthrie & Co., Limited, San Francisco, Calif. Canned fruits, dried fruits, canned vegetables, etc. 279,866, renewed Feb. 3, 1951. O. G. Apr. 24. Class 46.

Balfour, Guthrie & Co., Limited: *See*—
Balfour Guthrie & Company.

Barnett-Henry Associates: *See*—
Barnett, Stanley G.

Barnett, Stanley G., doing business as Barnett-Henry Associates, Denver, Colo. Serving cart. 444,474, Apr. 24; Serial No. 501,813, published Aug. 30, 1949. Class 32.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Prepared tar, pitch, etc. 284,461, renewed June 30, 1951. O. G. Apr. 24. Class 12.

Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,521, June 9, 1936. Republished Apr. 24. Class 42.

Bath Canning Co.: *See*—
Bath Canning Company, Inc.

Bath Canning Company, Inc., Bath, Maine. Canned sardines. 541,541, Apr. 24; Serial No. 594,944, published Feb. 6, 1951. Class 46.

Bath Canning Company, Inc., trading under the name of Bath Canning Co., Bath, Maine. Canned sardines. 541,542, Apr. 24; Serial No. 594,945, published Feb. 6, 1951. Class 46.

Belch, Paul F., Co., Bloomington, Ill. Candy. 541,428, Apr. 24; Serial No. 583,981, published Nov. 28, 1950. Class 46.

Bewley Mills, Fort Worth, Tex. Wheat flour. 541,306, Apr. 24; Serial No. 549,495, published Feb. 6, 1951. Class 46.

Bewley Mills, Fort Worth, Tex. Wheat flour; stock feeds; poultry feeds. 541,307, Apr. 24; Serial No. 549,496, published Feb. 6, 1951. Class 46.

Bewley Mills, Fort Worth, Tex. Stock and poultry feeds. 541,353, Apr. 24; Serial No. 567,130, published Nov. 28, 1950. Class 46.

Biblio-File Co., Evanston, Ill. Filing boxes. 541,520, Apr. 24; Serial No. 593,391, published Jan. 9, 1951. Class 32.

Bijur Lubricating Corporation, New York, N. Y., to Bijur Lubricating Corporation, Rochelle Park, N. J. Lubricating oils. 280,010, renewed Feb. 10, 1951. O. G. Apr. 24. Class 15.

Biophysics Laboratories, Inc., Los Angeles, Calif. Hormones. 541,362, Apr. 24; Serial No. 569,186, published June 20, 1950. Class 18.

Blish Milling Company, Seymour, assignor to Acme-Evans Company, Inc., Indianapolis, Ind. Wheat flour. 541,292, Apr. 24; Serial No. 541,640, published Dec. 26, 1950. Class 46.

Blue Lake Packers, Inc., Salem and West Salem, Oreg. Canned fruits, berries, and vegetables. 541,334, Apr. 24; Serial No. 558,624, published Dec. 19, 1950. Class 46.

Boris, Moe, doing business as Mo-Bo Produce Company, Pompano Beach, Fla. Fresh vegetables. 541,526, Apr. 24; Serial No. 594,096, published Jan. 30, 1951. Class 46.

Boukouris, George D., New York, N. Y. Canned fish. 541,364, Apr. 24; Serial No. 569,806, published Feb. 6, 1951. Class 46.

Boylan, Wendell, Le Mars, Iowa. Miniature toy buildings. 541,420, Apr. 24; Serial No. 582,767, published Jan. 16, 1951. Class 22.

Brach, E. J., & Sons, Chicago, Ill. Candy. 541,308, Apr. 24; Serial No. 549,699, published Apr. 11, 1950. Class 46.

Bradford Belting Co., The, Cincinnati, Ohio, to Graton & Knight Company, Worcester, Mass. Leather belting. 80,700, re-renewed Jan. 24, 1951. O. G. Apr. 24. Class 35.

Brevitt Shoes Limited, Leicester, England. Shoes. 444,475, Apr. 24; Serial No. 504,249, published Feb. 6, 1951. Class 39.

Broberg, Robert W.: *See*—
Steelsharp Manufacturing Co.

Brook Hill Farms, Inc., Chicago, Ill. Fresh milk. 541,384, Apr. 24; Serial No. 576,844, published Nov. 21, 1950. Class 46.

Brooks Brothers, New York, N. Y. Motor robes, foot muffs, blankets, etc. 404,792, Dec. 21, 1943. Republished Apr. 24. Class 42.

Brown, H. H., Shoe Co., Inc., Worcester, Mass. Men's and boys' shoes. 541,606, Apr. 24; Serial No. 580,120. Class 39.

Brown, John C., Belleville, N. J. Skewers. 541,547, Apr. 24; Serial No. 595,593, published Jan. 9, 1951. Class 13.

Bryan Davis Publishing Co., Inc., New York, N. Y. Monthly publication. 541,625, Apr. 24; Serial No. 591,145. Class 38.

Bull, W. H., Medicine Company, St. Louis, Mo. Medicinal preparation. 80,703, re-renewed Jan. 24, 1951. O. G. Apr. 24. Class 18.

Cal-Dak Company, Incorporated, The, Colton, Calif. Combination tray and stand. 541,437, Apr. 24; Serial No. 585,052, published Feb. 6, 1951. Class 32.

California Fruit Exchange, Sacramento and Loomis, to California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. 279,868, renewed Feb. 3, 1951. O. G. Apr. 24. Class 46.

Callaway Mills Company, La Grange, Ga. Laundry net bags. 541,465, Apr. 24; Serial No. 587,850, published Jan. 30, 1951. Class 2.

Calumet Manufacturing Company, Chicago, Ill. Metal tanks and buckets, metal baskets, vats, etc. 541,310, Apr. 24; Serial No. 550,017, published Jan. 30, 1951. Class 2.

Calvert Distilling Co., The: *See*—
Maryland Distillery, Incorporated.

Cameron Iron Works, Inc., Houston, Tex. Valves. 541,497, Apr. 24; Serial No. 591,221, published Jan. 9, 1951. Class 13.

Capital City Products Company, The, Columbus, Ohio. Shortening oleomargarine. 352,295, Nov. 23, 1937. Republished Apr. 24. Class 46.

Capuzello, Frank J., doing business as E-Z White Chemical Products Company, Youngstown, Ohio. Laundry bleach compound. 541,527, Apr. 24; Serial No. 594,101, published Feb. 6, 1951. Class 6.

Caramel Crisp Shop: *See*—
Walter, Paul.

Care Chemical Company: *See*—
Terwilliger, William G.

Carey Salt Company, The, Hutchinson, Kans. Salt. 541,271, Apr. 24; Serial No. 537,145, published Jan. 16, 1951. Class 46.

Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa., assignee of J. S. Ivins' Son, Inc. Bakery products. 541,264, Apr. 24; Serial No. 531,480, published Oct. 31, 1950. Class 46.

Carroll, P. H., doing business as Carroll Spinner Company, Corning, Calif. Artificial fish lure. 541,460, Apr. 24; Serial No. 587,426, published Jan. 16, 1951. Class 22.

Carroll Spinner Company: *See*—
Carroll, P. H.

Carstairs Bros. Distilling Co., Inc.: *See*—
Distillers Corporation Limited.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Pneumatic tanks and pressure closet tanks. 541,270, Apr. 24; Serial No. 536,764, published Jan. 30, 1951. Class 2.

Case, W. R., & Sons Cutlery Company, Bradford, Pa. Blades for pocket, table, kitchen, etc., knives, etc. 541,284, Apr. 24; Serial No. 553,070, published Jan. 9, 1951. Class 23.

Cast Iron Pipe Research Association, Chicago, Ill. Suitable attachment to cast iron pressure pipe and pipe fittings. 541,509, Apr. 24; Serial No. 591,978, published Jan. 9, 1951. Class 13.

Central Scientific Company, Chicago, Ill. Vacuum pumps. 283,798, renewed June 9, 1951. O. G. Apr. 24. Class 23.

Central California Berry Growers Association, San Francisco, Calif. Fresh strawberries. 541,440, Apr. 24; Serial No. 585,313, published Nov. 21, 1950. Class 46.

Charleston Milling Company, Charleston, W. Va. Feed for live stock. 541,461, Apr. 24; Serial No. 587,533, published Nov. 28, 1950. Class 46.

Chipman Knitting Mills: *See*—
Pennsylvania Silk Hosiery Mills, Inc.

Chipman Knitting Mills, Easton, Pa. Hosiery. 138,435, Dec. 28, 1920. Republished Apr. 24. Class 39.

Chipman's, Chas., Sons Co., Inc.: *See*—
Claflin, H. B., Company, The.

Chocolate Pop Corn Co., Kingston, Pa. Candied pop corn confection. 541,499, Apr. 24; Serial No. 591,281, published Jan. 23, 1951. Class 46.

Christina, Vincent, & Company, Inc., New York, N. Y. Medicinal preparation. 541,369, Apr. 24; Serial No. 570,769, published Apr. 11, 1950. Class 18.

Ciba Limited, Basel, Switzerland. Wetting-out agent for use in the textile industry. 541,337, Apr. 24; Serial No. 560,975, published Jan. 23, 1951. Class 6.

Claflin, H. B., Company, The, by Chas Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 83,897, Oct. 24, 1911. Republished Apr. 24. Class 39.

Cody Sanidary: *See*—
Pedersen, Elner.

Coldwater Seafood Corporation, New York, N. Y. Frozen seafoods. 541,590, Apr. 24; Serial No. 532,691. Class 46.

Colorado Milling & Elevator Co., The, doing business as The Lamar Flour Mills Co., Denver and Lamar, Colo. Wheat flour. 541,316, Apr. 24; Serial No. 551,533, published Jan. 30, 1951. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business as The Dodge City Flour Mills, Dodge City, Kans. Wheat flour. 541,318, Apr. 24; Serial No. 551,856, published Jan. 9, 1951. Class 46.

Colorado Milling & Elevator Co., The, Denver and Fort Collins, Colo., and elsewhere, doing business as The Ft. Collins Flour Mills Co., Fort Collins, Colo. Wheat flour. 541,319, Apr. 24; Serial No. 551,857, published Dec. 26, 1950. Class 46.

Colorado Milling & Elevator Co., The, Denver, doing business as Alamosa Flour Mills, Alamosa, Colo. Wheat flour. 541,323, Apr. 24; Serial No. 554,298, published Jan. 2, 1951. Class 46.

Commonwealth Plastics Corp., Leominster, Mass. Toy cameras. 541,449, Apr. 24; Serial No. 586,144, published Jan. 16, 1951. Class 22.

Compagnie Industrielle des Piles Electriques (C. I. P. E. L.) Neuilly-sur-Seine, France. Electric storage batteries and dry cell batteries and parts thereof. 541,455, Apr. 24; Serial No. 586,842, published Jan. 23, 1951. Class 21.

Consolidated Grocers Corporation, Chicago, Ill. Coffee. 541,373, Apr. 24; Serial No. 572,638, published Jan. 16, 1951. Class 46.

Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Sash pulleys, spring hinges, and door springs. 541,414, Apr. 24; Serial No. 582,558, published Jan. 9, 1951. Class 13.

Continental Carbon, Inc., Cleveland, Ohio. Electrical resistors, capacitors, and reactors, or combination of same. 541,571, Apr. 24; Serial No. 600,374, published Feb. 6, 1951. Class 21.

Continental Car-Na-Var Corporation, Brazil, Ind. Pressure operated wall washing machines and upholstery cleaning machines. 541,380, Apr. 24; Serial No. 575,198, published Jan. 30, 1951. Class 23.

Corn Products Refining Company, New York, N. Y. Syrup for food purposes. 541,336, Apr. 24; Serial No. 560,189, published Nov. 7, 1950. Class 46.

Couse, Kibbey W., Newark, N. J. Motor trucks and airplane service and repair trucks. 541,593, Apr. 24; Serial No. 541,094. Class 19.

Cranberry Growers, Inc., Wisconsin Rapids, Wis. Fresh and frozen cranberries. 541,358, Apr. 24; Serial No. 567,856, published Oct. 3, 1950. Class 46.

Creamola Food Products, Ltd., Glasgow, Scotland. Desserts. 541,354, Apr. 24; Serial No. 567,188, published Nov. 14, 1950. Class 46.

Cudahy Packing Company, The, Chicago, Ill. Water softener. 284,751, renewed July 7, 1951. O. G. Apr. 24. Class 6.

Culver, Blaine, Los Angeles, by Alberto-Culver Company, Hollywood, Calif. Nail white, shampoo, hair oil, etc. 335,421, June 2, 1936. Republished Apr. 24. Class 51.

Curtis Companies Incorporated, Clinton, Iowa. Board made of compressed wood products. 541,303, Apr. 24; Serial No. 547,974, published Jan. 23, 1951. Class 12.

Darrow, George A., doing business under the name of Baconette Products Company, Los Angeles, Calif. Pieces of bacon rind. 541,496, Apr. 24; Serial No. 591,152, published Feb. 6, 1951. Class 46.

Dart Craftsman Corp, New York, N. Y. Drinking glasses. 541,599, Apr. 24; Serial No. 564,989. Class 33.

Davega, Inc., to Davega Stores Corporation, New York, N. Y. Golf balls. 284,880, renewed July 7, 1951. O. G. Apr. 24. Class 22.

Davega Stores Corporation: *See*—
Davega, Inc.

Davies, Theo. H., & Co. Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., to Theo. H. Davies & Co., Ltd., Honolulu, Territory of Hawaii. Canned vegetables. 280,185, renewed Feb. 10, 1951. O. G. Apr, 24. Class 46.

Davison's Northwest Shade & Linoleum Service, Inc., Seattle, Wash. Venetian and roller-type window shades. 541,345, Apr. 24; Serial No. 563,912, published Jan. 9, 1951. Class 32.

D'Cliny: *See*—
Sinykin, J. L.

Delaware Mushroom Cooperative Association, Wilmington, Del. Canned mushrooms. 541,473, Apr. 24; Serial No. 588,482, published Dec. 12, 1950. Class 46.

Dellwood Dairy Co., Inc., Yonkers, N. Y. Fresh milk, fresh cream, buttermilk, chocolate flavored milk, etc. 541,330, Apr. 24; Serial No. 557,508, published Nov. 28, 1950. Class 46.

Delmonico Foods, Inc., Louisville, Ky. Macaroni, spaghetti, egg noodles, etc. 541,258, Apr. 24; Serial No. 509,503, published Jan. 2, 1951. Class 46.

Deran Confectionery Co., Inc., Cambridge Mass. Candy. 541,427, Apr. 24; Serial No. 583,918, published Oct. 31, 1950. Class 46.

Detroit-Michigan Stove Company, Detroit, Mich. Electric cooking stoves and ranges. 541,567, Apr. 24; Serial No. 599,503, published Jan. 30, 1951. Class 21.

Devoe Manufacturing Company, The, to Standard Oil Company, Chicago, Ill. Oil. 20,770, Feb. 23, 1892. New certificate. O. G. Apr. 24. Class 15.

Devonsheer Melba Corporation, West New York, N. J. Corn puffs. 541,439, Apr. 24; Serial No. 585,272, published Nov. 14, 1950. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh grapes. 541,452, Apr. 24; Serial No. 586,732, published Feb. 6, 1951. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh pears. 541,453, Apr. 24; Serial No. 586,733, published Feb. 6, 1951. Class 46.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh grapes and fresh pears. 541,454, Apr. 24; Serial No. 586,734, published Jan. 16, 1951. Class 46.

Dipwell Company, The: *See*—
Perry, Fred T.

Distillers Corporation Limited, Montreal, Quebec, Canada, by Carstairs Bros. Distilling Co., Inc., New York, N. Y. Whiskey. 300,206, Jan. 10, 1933. Republished Apr. 24. 1951. Class 49.

Dodge City Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Dolge, C. B., Company, The, Westport, Conn. Insecticide. 541,433, Apr. 24; Serial No. 584,715, published Feb. 6, 1951. Class 6.

Dominion Products, Inc., Long Island City, N. Y. Edible glyceryl ester of a fatty acid incorporated into baked products. 541,604, Apr. 24; Serial No. 578,011. Class 46.

Dortch Stove Works, Inc., The, Franklin, Tenn. Electric ranges. 541,563, Apr. 24; Serial No. 598,989, published Jan. 30, 1951. Class 21.

Draper Corporation, Portland, Maine, and Hopedale, Mass. Publications. 541,610, Apr. 24; Serial No. 583,336. Class 38.

Drew, E. F., & Co., Inc., New York, N. Y. Detergent compositions. 541,594, Apr. 24; Serial No. 542,548. Class 52.

Dualtron Company, Pittsburgh, Pa. Electrostatic air cleaner. 541,435, Apr. 24; Serial No. 584,861, published Jan. 30, 1951. Class 21.

Duncan, Lorraine B., doing business as Enlarrol Products Company, Los Angeles, Calif. Hair dressing. 541,386, Apr. 24; Serial No. 577,874, published Jan. 30, 1951. Class 51.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. 541,532, Apr. 24; Serial No. 594,439, published Feb. 6, 1951. Class 6.

Duranol Products, Inc., Brooklyn, N. Y. Display bins, display cabinets, display cases, etc. 541,484, Apr. 24; Serial No. 590,001, published Jan. 9, 1951. Class 32.

E. L. M. Feed Stores: *See*—
E. L. M. Stores.

E. L. M. Stores, also doing business as E. L. M. Feed Stores, Greencastle, Pa. Poultry feed supplement. 541,425, Apr. 24; Serial No. 583,593, published Jan. 2, 1951. Class 46.

E-Z White Chemical Products Company: *See*—
Capuzello, Frank J.

East Asiatic Company, Inc., The, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 541,486, Apr. 24; Serial No. 590,262, published Nov. 14, 1950. Class 46.

Efron, Morris, doing business as Efron and Novik Pickle Works, Passaic, N. J. Dill pickles, sweet mixed pickles, etc. 541,389, Apr. 24; Serial No. 579,311, published Feb. 6, 1951. Class 46.

Efron and Novik Pickle Works: *See*—
Efron, Morris.

Eisenstadt Mfg. Company, St. Louis, Mo. Pyrophoric cigarette and cigar lighters. 283,260, renewed May 10, 1951. O. G. Apr. 24. Class 8.

Electric Steel Foundry, Portland, Oreg. Crawler tractor track plates. 541,332, Apr. 24; Serial No. 557,831, published Jan. 2, 1951. Class 23.

Ellis, Wilbur D., New York, N. Y., to Freedom-Valvoline Oil Company, Freedom, Pa. Petroleum or mineral jelly. 36,562, re-renewed June 11, 1951. O. G. Apr. 24. Class 51.

Elmer Candy Company, New Orleans, La. Candy. 541,383, Apr. 24; Serial No. 576,486, published Jan. 30, 1951. Class 46.

Emery Industries, Inc., Cincinnati, Ohio. Candle display cases. 541,434, Apr. 24; Serial No. 584,803, published Feb. 6, 1951. Class 32.

Enlarrol Products Company: *See*—
Duncan, Lorraine B.

Enterprise Manufacturing Company, The, Akron, Ohio. Fish scalers. 541,295, Apr. 24; Serial No. 543,357, published Nov. 21, 1950. Class 23.

Epicure Fine Foods Co.: *See*—
Vogl, Arnold.

Eskimo Pie Corporation, Bloomfield, N. J. Coated ice cream bar. 541,385, Apr. 24; Serial No. 577,116 published Nov. 14, 1950. Class 46.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Everstraight Picture Hanger Company, The: *See*—
Miller, Elton W.

Famous French, Shreveport, La. Salad dressing and remoulade sauce. 541,299, Apr. 24; Serial No. 546,843, published Nov. 28, 1950. Class 46.

Fantashere, Inc., Buffalo, N. Y. Women's and girls' stockings. 541,513–14, Apr. 24; Serial Nos. 592,890–1 published Feb. 6, 1951. Class 39.

Far Eastern Manufacturing Company, Long Island City, N. Y. Shredded coconut. 541,263, Apr. 24; Serial No. 531,321, published Dec. 19, 1950. Class 46.

Fear, Fred, & Co., Brooklyn, N. Y. Flaked fish and table syrups. 280,860, renewed Mar. 3, 1951. O. G. Apr. 24. Class 46.

Fearn Laboratories, Inc., Franklin Park, Ill. Meat and meat product curing and preserving compounds. 541,370, Apr. 24; Serial No. 570,953, published Feb. 6, 1951. Class 46.

Federal Electric Products Company, Newark, N. J. Electric switches. 541,568, Apr. 24; Serial No. 599,702, published Jan. 30, 1951. Class 21.

Fenster, Morris, doing business as Fenster's Confectionery Co., New York, N. Y. Confection. 541,376, Apr. 24; Serial No. 574,027, published Jan. 30, 1951. Class 46.

Fenster's Confectionery Co.: *See*—
Fenster, Morris.

Filtrol Corporation, Los Angeles, Calif. Chemically treated colloidal clay. 541,487, Apr. 24; Serial No. 590,309, published Feb. 6, 1951. Class 6.

Fingerprint Identification Service Co.: *See*—
Lyon, Clifford B.

First National Bank and Trust Company of Bridgeport, The, Bridgeport, Conn. Credit financing services. 541,578, Apr. 24; Serial No. 562,553, published Apr. 25, 1950. Class 102.

Fisher Dairy & Cheese Co., Wapakoneta, Ohio. Cheese. 541,601, Apr. 24; Serial No. 568,502. Class 46.

Fitch, F. W., Co., The, Des Moines, Iowa, to The Grove Laboratories, Inc., St. Louis, Mo. After-shaving lotion and hand lotion. 283,876, renewed June 9, 1951. O. G. Apr. 24. Class 51.

Flanagan, E. J., & Son: *See*—
Flanagan, Edwin J.

Flanagan, Edwin J., doing business as E. J. Flanagan & Son, Lynn, Mass. Cut flower food. 541,556, Apr. 24; Serial No. 597,517, published Jan. 2, 1951. Class 10.

Fleener, John H., Olympia, Wash. Sandwiches. 541,524, Apr. 24; Serial No. 593,847, published Feb. 6, 1951. Class 46.

Flodar Corporation, Cleveland, Ohio. Tube fittings. 541,289, Apr. 24; Serial No. 553,687, published Jan. 16, 1951. Class 13.

Florida Citrus Exchange, Tampa, Fla. Fresh citrus fruits. 541,341, Apr. 24; Serial No. 562,772, published Dec. 12, 1950. Class 46.

Flour Mills of America, Inc., Kansas City, Mo., doing business as Alva Roller Mills, Alva, Okla. Wheat flour. 541,283, Apr. 24; Serial No. 552,547, published Nov. 7, 1950. Class 46.

Flour Mills of America, Inc., Kansas City, Mo., doing business as Goodlander Mills Company, Fort Scott, Kans. Wheat flour. 541,285, Apr. 24; Serial No. 553,598, published Jan. 16, 1951. Class 46.

Flour Mills of America, Inc., Kansas City, Mo., doing business under the name and style of Valier and Spies Milling Company, St. Louis, Mo. Wheat flour. 541,286–8, Apr. 24; Serial Nos. 553,601–3, published Jan. 2, 1951. Class 46.

Food Machinery and Chemical Corporation: *See*—
Niagara Sprayer & Chemical Company, Inc.

Food Machinery and Chemical Corporation, San Jose, Calif. Chemical preparation. 541,403, Apr. 24; Serial No. 581,412, published Jan. 9, 1951. Class 6.

Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. 541,404, Apr. 24; Serial No. 581,414, published Jan. 9, 1951. Class 6.

Formalite Corporation, Chicago, Ill. Laminated electrically non-conductive paper tubing. 541,557, Apr. 24; Serial No. 597,519, published Jan. 23, 1951. Class 21.

Ft. Collins Flour Mills Co., The: *See*—
Colorado Milling & Elevator Co., The.

Fox Company, The, Newfield, N. J. Ingredients to be used in poultry feeds. 541,470, Apr. 24; Serial No. 588,170, published Jan. 2, 1951. Class 46.

Fox Valley Canning Company, Hortonville, Wis. Canned peas. 541,586, Apr. 24; Serial No. 514,023. Class 46.

Frantz Manufacturing Co., Sterling, Ill. Door equipment. 283,724, renewed June 2, 1951. O. G. Apr. 24. Class 13.

Freedom-Valvoline Oil Company: *See*—
Ellis, Wilbur D.
Valvoline Oil Company.

Fun Fad Company: *See*—
Morris, Gerald H., Jr.

Gallagher & Burton, Inc., Philadelphia, by Gallagher & Burton, Inc., Bristol, Pa. Whiskey. 394,656, Apr. 21, 1942. Republished Apr. 24. Class 49.

Garrett, Henry U., doing business as Garrett Oil Tools, Houston, Tex., and elsewhere, assignor to Garrett Oil Tools, Inc., Houston, Tex. Valves, check valves, surface control valves, etc. 541,346, Apr. 24; Serial No. 564,328, published Jan. 9, 1951. Class 13.

Garrett Oil Tools: *See*—
Garrett, Henry U.

Garrett Oil Tools, Inc., assignee: *See*—
Garrett, Henry U.

General Electric Company, Schenectady, N. Y. Electrical conductors and parts thereof. 281,583, renewed Mar. 24, 1951. O. G. Apr. 24. Class 21.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Clutch unit. 541,456, Apr. 24; Serial No. 587,082, published Oct. 3, 1950. Class 23.

Gilmore and Company: *See*—
Gilmore, Ralph W.

Gilmore, Ralph W., doing business under the name of Gilmore and Company, Brundidge, Ala. Fertilizer. 541,564, Apr. 24; Serial No. 599,089, published Jan. 2, 1951. Class 10.

Glatt, Herbert, doing business as Magla Products, Newark, N. J. Household accessories. 541,565, Apr. 24; Serial No. 599,324, published Jan. 16, 1951. Class 24.

Globe Mills, Inc.: *See*—
Lone Star Elevators.

Gold Medal Candy Corporation, Brooklyn, N. Y. Candy. 541,392, Apr. 24. Serial No. 579,813, published Oct. 31, 1950. Class 46.

Goode, Henry A., Booker, Tex. Plows. 541,588, Apr. 24; Serial No. 520,099. Class 23.

Goodlander Mills Company: *See*—
Flour Mills of America, Inc.

Gordon, Sleeprite Corp., Baltimore, Md. Mattresses and box springs. 541,503, Apr. 24; Serial No. 591,674, published Feb. 6, 1951. Class 32.

Graton & Knight Company: *See*—
Bradford Belting Co., The.

Graton & Knight Company, Worcester, Mass. Machinery belting, diaphragms, discs, etc. 280,618, renewed Feb. 24, 1951. O. G. Apr. 24. Class 35.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Spices; canned corn; canned beans with pork, etc. 541,317, Apr. 24; Serial No. 551,708, published Nov. 28, 1950. Class 46.

Gregg Lumber Company, Grand Rapids, Mich. Soil conditioning material. 541,500, Apr. 24; Serial No. 591,293, published Jan. 9, 1951. Class 10.

Grinnell Brothers, Detroit, Mich. Television sets and television sets in combination with radio-phonographs. 541,523, Apr. 24; Serial No. 593,796, published Feb. 6, 1951. Class 21.

Grove Laboratories, Inc., The: *See*—
Fitch, F. W., Co., The.

Guth, Edwin F., Company, St. Louis, Mo. Electric sockets. 282,197, renewed Apr. 14, 1951. O. G. Apr. 24. Class 21.

Hagerty, Francis W., Cohasset, Mass. Row-boats, sail-boats and boat kits. 541,587, Apr. 24; Serial No. 519,392. Class 19.

Haines City Citrus Growers Association, Haines City, Fla. Oranges. 81,991, re-renewed May 23, 1951. O. G. Apr. 24. Class 46.

Haines City Citrus Growers Association, Haines City, Fla. Fresh citrus fruits. 541,522, Apr. 24; Serial No. 593,539, published Jan. 23, 1951. Class 46.

Hall-Mack Company, Los Angeles, Calif. Toilet paper holders, robe hooks, soap holders, etc. 541,290, Apr. 24; Serial No. 541,138, published Jan. 9, 1951. Class 13.

Hammond Research Corporation, Gloucester, Mass. Bottle openers. 541,348, Apr. 24; Serial No. 564,941, published Jan. 30, 1951. Class 23.

Hans Barbeque: *See*—
Abrahamsen, Hans.

Harodite Finishing Company, Inc., The, Taunton, Mass. Flexible, portable, water-storage tanks. 541,444–5, Apr. 24; Serial Nos. 585,530–1, published Jan. 30, 1951. Class 2.

Harvest Jim: *See*—
Williams, James, Jr.

Harvest Jim Fruit Packs, Inc.: *See*—
Williams, James, Jr.

Hayes-Sammons Company, Mission, Tex. Insecticides and agricultural fungicides. 541,398, Apr. 24; Serial No. 580,364, published Jan. 9, 1951. Class 6.

Haymond, Carl E., Tacoma, Wash. Radio program broadcasting. 541,577, Apr. 24; Serial No. 535,524, published Jan. 30, 1951. Class 104.

Heick Die Casting Corp., Chicago, Ill. Lawn sprinklers. 541,372, Apr. 24; Serial No. 572,247, published Jan. 9, 1951. Class 13.

Heidemann, Axel K., doing business as Pur-O-Dor Co., Bremerton, Wash. Chemically treated deodorizing cakes. 541,611, Apr. 24; Serial No. 583,395. Class 6.

Heintz Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical substances. 541,462, Apr. 24; Serial No. 587,551, published Feb. 6, 1951. Class 6.

Heller Candy Company, Inc., New York, N. Y. Candies. 541,504, Apr. 24; Serial No. 591,682, published Jan. 23, 1951. Class 46.

Herring, R. E., & Son, Eagle Pass, Tex. Fresh vegetables. 541,533, Apr. 24; Serial No. 594,458, published Jan. 30, 1951. Class 46.

Herring, R. E., & Son, Eagle Pass, Tex. Fresh vegetables and fresh tomatoes. 541,534, Apr. 24; Serial No. 594,459, published Jan. 30, 1951. Class 46.

Hickory Specialty Co., Inc., Jersey City, N. J. Plastic tubing for covering rollers and spinners of textile machines. 541,359, Apr. 24; Serial No. 568,619, published Jan. 2, 1951. Class 23.

Hills Brothers Company, The, to Joseph Victori & Co., Inc., New York, N. Y. Canned gandules (pigeon peas). 282,661, renewed Apr. 28, 1951. O. G. Apr. 24. Class 46.

Hincher Manufacturing Company of Indiana, Washington, Ind., Trouser, skirt, coat, gown and suit hangers. 157,099, July 25, 1922. Republished Apr. 24. Class 50.

Hofe, George D., by Jean Jordeau, Inc., South Orange, N. J. Toilet preparations. 139,815, Feb. 22, 1921. Republished Apr. 24. Class 51.

Holly Hill Fruit Products, Incorporated, Davenport, Fla. Fresh and canned citrus fruits, canned citrus fruit juices, etc. 541,261, Apr. 24; Serial No. 525,327, published Dec. 5, 1950. Class 46.

Hombach, Carl J., Little Falls, N. J. Fittings for hub and spigot pipe. 541,429, Apr. 24; Serial No. 583,998, published Jan. 9, 1951. Class 13.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand-operated compression sprayers. 541,422, Apr. 24; Serial No. 583,262, published Dec. 12, 1950. Class 23.

Hudson Products Company, Long Beach, Calif. Mild sedative. 541,612, Apr. 24; Serial No. 584,813. Class 18.

Hunter Douglas Corporation, New York, N. Y. Louver grids of strip aluminum. 541,416, Apr. 24; Serial No. 582,603, published Feb. 6, 1951. Class 21.

Hunter-Wilson Distilling Co., Inc.: *See*—
Wilson Distilling Co., Inc., The.

Hurlbert, James D., Eufaula, Ala. Portable steel belt conveyors. 541,525, Apr. 24; Serial No. 593,989, published Jan. 2, 1951. Class 23.

I-T-E Circuit Breaker Company, Philadelphia, Pa. Switchboards. 541,410, Apr. 24; Serial No. 582,354, published Jan. 30, 1951. Class 21.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 541,535, Apr. 24; Serial No. 594,464, published Jan. 16, 1951. Class 22.

Ideal Roller and Manufacturing Company, Chicago, Ill. Yieldable surfaced rollers. 541,448, Apr. 24; Serial No. 585,751, published Jan. 2, 1951. Class 23.

Industrial Tape Corporation: *See*—
McKesson & Robbins, Incorporated.

International Milling Company, Minneapolis, Minn. Wheat flour. 541,466, Apr. 24; Serial No. 587,872, published Jan. 23, 1951. Class 46.

International Milling Company, Minneapolis, Minn. Wheat flour. 541,490, Apr. 24; Serial No. 590,506, published Jan. 16, 1951. Class 46.

International Milling Company, Minneapolis, Minn. Wheat flour. 541,501, Apr. 24; Serial No. 591,483, published Dec. 19, 1950. Class 46.

Interstate Amiesite Co., The, Wilmington, Del. Materials particularly a cold-mix, cold-lay asphaltic concrete. 279,893, renewed Feb. 3, 1951. O. G. Apr. 24. Class 12.

Ivins', J. S., Son, Inc.: *See*—
Carr-Consolidated Biscuit Company.

Jackson Furniture Company, Oakland, Sacramento, Vallejo, and Walnut Creek, Calif. Furniture and furnishings. 541,483, Apr. 24; Serial No. 589,725, published Jan. 9, 1951. Class 32.

Jet Tool Co., San Diego, Calif. Woodworking tools. 541,519, Apr. 24; Serial No. 593,355, published Jan. 2, 1951. Class 23.

Johnson, Edward W., trustee: *See*—
Starr Fruit Products Co.

Jones, Evelyn, New Orleans, La. Preparation for massaging and treating the scalp, etc. 541,365, Apr. 24; Serial No. 589,854, published Feb. 6, 1951. Class 18.

Jordeau, Jean, Inc.: *See*—
Hofe, George D.
Levy, Berthé E.
Nu-Art Laboratories Inc.
Schlesinger, Harry.

Jordeau, Jean, Inc., South Orange, N. J. Perspiration deodorant. 175,011, Oct. 30, 1923. Republished Apr. 24. Class 51.

Joyce Full Fashion Hosiery Co., Hammonton, N. J. Women's hosiery. 541,375, Apr. 24; Serial No. 573,947, published Feb. 6, 1951. Class 39.

Jubilee Manufacturing Company, Omaha, Nebr. Electric horns. 541,562, Apr. 24; Serial No. 598,955, published Jan. 30, 1951. Class 21.

Kaiser, Vic, doing business under the trade name of Vic Kaiser Products, Indianapolis, Ind. Forms for holding ties while pressing them. 541,495, Apr. 24; Serial No. 591,088, published Jan. 23, 1951. Class 24.

Kaiser, Vic, Products: *See*—
Kaiser, Vic.

Kandel Knitting Mills: *See*—
Kandel, Walter R.

Kandel, Walter R., doing business as Kandel Knitting Mills, Portland, Oreg. Articles of clothing. 541,278, Apr. 24; Serial No. 540,828, published Feb. 6, 1951. Class 39.

Kaylon Incorporated, New York, N. Y. Women's and children's pajamas, pajama coats, beach coats, etc. 541,393, Apr. 24; Serial No. 579,933, published Feb. 6, 1951. Class 39.

Kee Zipper Co., New York, N. Y. Separable slide fasteners. 541,603, Apr. 24; Serial No. 574,969. Class 13.

Keerdijk Producten Maatschappij C. V., doing business under the trade name and style of Keerdijk Trading Goods Co., Amsterdam, Netherlands. Fresh deciduous and citrus fruits, canned, frozen deciduous and citrus fruits, etc. 541,269, Apr. 24; Serial No. 534,149, published Nov. 28, 1950. Class 46.

Keerdijk Trading Co.: *See*—
Keerdijk Producten Maatschappij C. V.

Kern Food Products, Inc., Los Angeles, Calif. Fruit preserves, jams and jellies, etc. 541,315, Apr. 24; Serial No. 550,810, published Nov. 21, 1950. Class 46.

Kessler, Jack, doing business under the trade-name of Newland Infants Wear Co., Brooklyn, N. Y. Pajamas, overalls, sleepers, etc. 541,597, Apr. 24; Serial No. 551,569. Class 39.

Keynote Recordings, Inc., New York, N. Y. Grooved phonograph records. 541,367, Apr. 24; Serial No. 570,604, published Jan. 23, 1951. Class 36.

Kiekhaefer Corporation, Cedarburg, Wis. Outboard motors, industrial combustion engines and parts thereof. 541,350, Apr. 24; Serial No. 565,939, published Aug. 29, 1950. Class 23.

Kimberly-Clark Corporation, Neenah, Wis. Wood pulp insulating material; vapor seal paper; and wood fiber panels. 541,459, Apr. 24; Serial No. 587,386, published Jan. 30, 1951. Class 12.

Kirchhoff, August C., & Co., Chicago, Ill. Cheese. 541,515, Apr. 24; Serial No. 592,913, published Jan. 16, 1951. Class 46.

Kuhls, H. B. Fred, Brooklyn, N. Y. Putty, trowel cement, seam composition, etc. 541,507, Apr. 24; Serial No. 591,785, published Jan. 30, 1951. Class 12.

Lake Chemical Company, Chicago, Ill. Preparation for stopping leakage around piping. 541,620, Apr. 24; Serial No. 589,261. Class 6.

Lakeside Packing Company, Manitowoc, Wis. Canned vegetables. 541,324, Apr. 24; Serial No. 554,502, published Feb. 6, 1951. Class 46.

Lamar Flour Mills Co., The: *See*—
Colorado Milling & Elevator Co., The.

Lavino, E. J., and Company, Philadelphia, Pa. Refractory brick. 541,560–1, Apr. 24; Serial Nos. 598,658–9, published Jan. 30, 1951. Class 12.

Leader Specialty Company, Indianapolis, Ind. Plumber's screws and nuts; bibb washers and bibb screws; valve handles; etc. 541,267, Apr. 24; Serial No. 533,324, published Jan. 9, 1951. Class 13.

Leak, H. J., & Co. Ltd., London, England. Audio amplifiers and pre-amplifiers and parts thereof. 541,477, Apr. 24; Serial No. 589,323, published Jan. 23, 1951. Class 21.

Le Bell, S. H., & Company: *See*—
Le Bell, Seymour H.

Le Bell, Seymour H., to S. H. Le Bell & Company, New York, N. Y. Household linens and linen piece goods. 284,136, renewed June 16, 1951. O. G. Apr. 24. Class 42.

Lehigh Coal and Navigation Company, The, Philadelphia, Pa. Lightweight aggregate. 541,327, Apr. 24; Serial No. 556,800, published Dec. 20, 1949. Class 12.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 541,558, Apr. 24; Serial No. 598,084, published Jan. 23, 1951. Class 51.

Levy, Berthé E., New York, N. Y., by Jean Jordeau, Inc., South Orange, N. J. Hair-eradicator. 88,502, Sept. 24, 1912. Republished Apr. 24. Class 51.

Lewis-Shepard Products, Inc., Watertown, Mass. Merchandise lifting and stacking trucks and parts thereof. 541,391, Apr. 24; Serial No. 579,695, published Aug. 8, 1950. Class 23.

Lincoln Electric Company, The, Cleveland, Ohio. Electric arc welding equipment. 541,320, Apr. 24; Serial No. 554,034, published Jan. 23, 1951. Class 21.

Little Crow Milling Company, Inc., Warsaw, Ind. Pancake mix and buckwheat pancake mix. 541,281, Apr. 24; Serial No. 552,250, published Oct. 10, 1950. Class 46.

Logan, A. J., Company, Pittsburgh, Pa. Mattresses, box springs, and studio couches. 541,505, Apr. 24; Serial No. 591,743, published Feb. 6, 1951. Class 32.

Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc. Wheat flour. 541,338, Apr. 24; Serial No. 561,007, published Nov. 7, 1950. Class 46.

Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Knitted sweaters. 541,458, Apr. 24; Serial No. 587,272, published Feb. 6, 1951. Class 39.

Los Angeles Inner Spring Co., Vernon, Calif. Metal springs. 541,537, Apr. 24; Serial No. 594,556, published Feb. 6, 1951. Class 32.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 541,381, Apr. 24; Serial No. 575,359, published Oct. 3, 1950. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Wooden handle sticks for suckers. 541,396, Apr. 24; Serial No. 580,307, published Jan. 16, 1951. Class 13.

Lyon, Clifford B., doing business as Fingerprint Identification Service Co., Sandusky, Ohio. Toy fingerprinting set. 541,480, Apr. 24; Serial No. 589,623, published Jan. 16, 1951. Class 22.

Macy, R. H., & Co., Inc., New York, N. Y. Bed pillows and innerspring mattresses. 541,512, Apr. 24; Serial No. 592,731, published Feb. 6, 1951. Class 32.

Magic Mirror Associates, Inc., New York, N. Y. Combination transparent mirror and door wicket. 541,333, Apr. 24; Serial No. 558,570, published Feb. 14, 1950. Class 32.

Magla Products: *See*—
Glatt, Herbert.

Malanco, Inc., Blue Island, Ill. Molding strips of specially treated material. 541,602, Apr. 24; Serial No. 574,674. Class 12.

Manhattan Shirt Company, The: *See*—
Reis, Robert, & Co.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts, pajamas and undershorts. 541,401, Apr. 24; Serial No. 580,607, published Feb. 6, 1951. Class 39.

Maritime Milling Co., Inc., Buffalo, N. Y. Feeds for livestock. 444,477, Apr. 24; Serial No. 514,765, published Dec. 12, 1950. Class 46.

Marmon-Herrington Company, Inc., Indianapolis, Ind. Band cable reinforced rubber tractor tracks and tractors. 541,518, Apr. 24; Serial No. 593,231, published Jan. 2, 1951. Class 23.

Maryland Distillery, Incorporated, Relay, Md., by The Calvert Distilling Co., New York, N. Y. Whiskey. 315,235, July 24, 1934. Republished Apr. 24. Class 49.

Masclet, Marie F., Paris, France. Skin cream. 541,326, Apr. 24; Serial No. 555,760, published May 16, 1950. Class 51.

McCormick & Company, Inc., Baltimore, Md. Whole spices, ground spices, seeds, etc. 541,469, Apr. 24; Serial No. 588,037, published Dec. 12, 1950. Class 46.

McDonald, Maurice E., doing business as Rainbo-Rancho Trout Farm, Empire, Colo. Fresh fish. 541,613, Apr. 24; Serial No. 585,180. Class 46.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to Industrial Tape Corporation, New Brunswick, N. J. Toilet paper. 276,625, renewed Oct. 21, 1950. O. G. Apr. 24. Class 37.

Mead, Johnson, & Company, Evansville, Ind. Food product. 541,485, Apr. 24; Serial No. 590,172, published Nov. 14, 1950. Class 46.

Meincke, A. M., & Son, Inc., Chicago, Ill. Chemically treated starch. 541,521, Apr. 24; Serial No. 593,425, published Feb. 6, 1951. Class 6.

Melpar, Inc., Alexandria, Va. Potted electrical circuit assemblies. 541,412, Apr. 24; Serial No. 582,490, published Jan. 23, 1951. Class 21.

Melson Fertilizer Co., Inc., Georgetown, Del. Organic manure. 541,441, Apr. 24; Serial No. 585,341, published Jan. 9, 1951. Class 10.

Merkin, Mme., Company: *See*—
Merkin, Norman.

Merkin, Norman, doing business under the name and style of Mme. Merkin Company, Boston, Mass. Ironing board pads. 541,572, Apr. 24; Serial No. 600,965, published Jan. 30, 1951. Class 24.

Meyer, Al H., doing business as Al H. Meyer Co., Monterey, Calif. Canned fish. 541,379, Apr. 24; Serial No. 575,071, published Nov. 28, 1950. Class 46.

Meyer, Al H., Co.: *See*—
Meyer, Al H.

Meyers, Louis, New York, N. Y. Watches and watch parts. 541,626, Apr. 24; Serial No. 599,382. Class 27.

Midland Cooperative Dairy Association, Shawano, Wis., and New York, N. Y. Canned evaporated milk. 361,819, Nov. 1, 1938. Republished Apr. 24. Class 46.

Miller, Clyde, doing business as Western Meat Distributors, Los Angeles, Calif. Canned dog food. 541,436, Apr. 24; Serial No. 584,916, published Oct. 10, 1950. Class 46.

Miller-Dowd Music Company, Cincinnati, Ohio. Professional teaching of playing of musical instruments. 541,579, Apr. 24; Serial No. 563,271, published Jan. 30, 1951. Class 107.

Miller, Elton W., doing business as The Everstraight Picture Hanger Company, Hampton, Va. Picture hangers. 541,624, Apr. 24; Serial No. 590,819. Class 13.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Thermosetting electrical insulating liquid. 541,566, Apr. 24; Serial No. 599,383, published Jan. 30, 1951. Class 21.

Mississippi Valley Canning Co., The, Osceola, Ark. Canned field pease, canned sifted peas, canned turnip greens, etc. 541,293, Apr. 24; Serial No. 542,329, published Nov. 28, 1950. Class 46.

Mo-Bo Produce Company: *See*—
Boris, Moe.

Monroe Manufacturing Co., Inc., Monroe, La. Men's and boys' slacks. 444,313, Nov. 14, 1950. Republished Apr. 24. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 541,408, Apr. 24; Serial No. 581,967, published Jan. 9, 1951. Class 6.

Monte Vista Citrus Association, Riverside, Calif. Fresh citrus fruits. 541,591, Apr. 24; Serial No. 538,156. Class 46.

Moorman Manufacturing Company, Quincy, Ill. Mineral feed. 541,394–5, Apr. 24; Serial Nos. 580,086–7, published Dec. 19, 1950. Class 46.

Morris, Gerald H., Jr., doing business under the name and style of Fun Fad Company, Atlanta, Ga. Dart game. 541,545, Apr. 24; Serial No. 595,270, published Jan. 16, 1951. Class 22.

Moschetti Bros., Brooklyn, N. Y. Canned tomatoes with tomato paste, canned tomato paste and canned olive oil. 541,544, Apr. 24; Serial No. 595,116, published Jan. 23, 1951. Class 46.

Moyer, Walter W., Company, Ephrata, Pa. Women's hosiery and women's underwear. 541,447, Apr. 24; Serial No. 585,661, published Feb. 6, 1951. Class 39.

Myre, Clifford R., doing business as Paynesville Lamp Co., Paynesville, Minn. Electric bed lamps and electric floor lamps. 541,397, Apr. 24; Serial No. 580,313, published Jan. 30, 1951. Class 21.

Naamloze Vennootschap Eerste Nederlandsche Cement Industrie (E. N. C. I.), Amsterdam, Netherlands. Portland-cement blocks, Portland-cement slabs, and Portland cement. 277,103, renewed Nov. 4, 1950. O. G. Apr. 24. Class 12.

Nalle Plastics, Inc., Austin, Tex. Molded plastic articles, namely, clothespins. 541,351, Apr. 24; Serial No. 566,529, published Jan. 9, 1951. Class 24.

National City Bank of New York, The, New York, N. Y., and elsewhere in the city of New York, and in foreign countries. Banking services. 541,580, Apr. 24; Serial No. 587,393, published Jan. 30, 1951. Class 102.

National Plastic Products Company, The, Odenton, Md. Furniture leg caps. 541,548, Apr. 24; Serial No. 595,673, published Jan. 30, 1951. Class 32.

National Rifle Association of America, Washington, D. C. Breakable targets. 541,340, Apr. 24; Serial No. 561,966, published Jan. 16, 1951. Class 22.

National Rifle Association of America, Washington, D. C. Services to the members of the association. 541,576, Apr. 24; Serial No. 528,300, published Jan. 30, 1951. Class 100.

National Sewing Machine Company, Belvidere, Ill. Electric sewing machines and attachments. 541,551–3, Apr. 24; Serial Nos. 596,508–10, published Jan. 9, 1951. Class 23.

National Tea Co., Chicago, Ill. Canned fruit juices; packaged gelatin, glass packed flavored gelatin dessert, etc. 541,366, Apr. 24; Serial No. 570,062, published Feb. 6, 1951. Class 46.

Nebel Knitting Company, Charlotte, N. C. Ladies' hosiery. 541,605, Apr. 24; Serial No. 579,445. Class 39.

Nell Products Inc., Los Angeles, Calif. Fruit concentrate. 541,321, Apr. 24; Serial No. 554,142, published Dec. 26, 1950. Class 46.

Netlee Packing Company, Chicago, Ill. Potted meat and Vienna sausage. 541,464, Apr. 24; Serial No. 587,814, published Nov. 28, 1950. Class 46.

Newland Infants Wear Co.: *See*—
Kessler, Jack.

Niagara Sprayer & Chemical Company, Inc., Middleport, N. Y., to Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. 281,666, renewed Mar. 24, 1951. O. G. Apr. 24. Class 6.

Nonnenmann, Oscar, San Francisco, Calif. Chemical to prevent algae formations in aquariums. 541,411, Apr. 24; Serial No. 582,359, published Jan. 9, 1951. Class 6.

Nu-Art Laboratories Inc., by Jean Jordeau, Inc., South Orange, N. J. Depilatory. 206,839, Dec. 8, 1925. Republished Apr. 24. Class 51.

O. & S. Bearing Company, Detroit, Mich. Lubricant impregnated fabric bearings and bushings, etc. 541,554, Apr. 24; Serial No. 596,934, published Nov. 28, 1950. Class 23.

Oilwell Chemical and Materials Co., Inc., Los Angeles, Calif. Chemicals. 541,407, Apr. 24; Serial No. 581,776, published Jan. 16, 1951. Class 6.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Benzol. 541,413, Apr. 24; Serial No. 582,540, published Jan. 9, 1951. Class 6.

Pacific Grape Products Company, Modesto, Calif. Canned grapes. 541,450, Apr. 24; Serial No. 586,252, published Oct. 3, 1950. Class 46.
Parker Brothers, Inc., Salem, Mass. Card games. 82,637, re-renewed July 11, 1951. O. G. Apr. 24. Class 22.
Parks-Cramer Company, Fitchburg, Mass. Jacketed fittings. 541,347, Apr. 24; Serial No. 564,736, published Jan. 9, 1951. Class 13.
Paynesville Lamp Co.: *See*—
Myre, Clifford R.
Pearce, A. L., Cheyenne, Wyo. Hand lotion. 541,489, Apr. 24; Serial No. 590,452, published Jan. 30, 1951. Class 51.
Pedersen, Einer, doing business as Cody Sanidary, Cody, Wyo. Cheese. 541,488, Apr. 24; Serial No. 590,385, published Jan. 2, 1951. Class 46.
Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.
Pennsylvania Silk Hosiery Mills, Inc., Bangor, by Chipman Knitting Mills, Easton, Pa. Hosiery. 248,733, Oct. 30, 1928. Republished Apr. 24. Class 39.
Perk Foods Co., Chicago, Ill. Animal feeds. 541,352, Apr. 24; Serial No. 566,544, published Dec. 12, 1950. Class 46.
Perloff Brothers, Inc., Philadelphia, Pa. Canned and packaged coffee, bottled pure flavoring extracts, etc. 541,430, Apr. 24; Serial No. 584,011, published Jan. 30, 1951. Class 46.
Permatex Company, Inc., Brooklyn, N. Y. Automotive products. 541,409, Apr. 24; Serial No. 582,100, published Jan. 9, 1951. Class 6.
Perry, Fred T., doing business under the name and style of The Dipwell Company, Erie, Pa. Stainless steel container with external water inlet and water outlet, etc. 541,511, Apr. 24; Serial No. 592,386, published Jan. 9, 1951. Class 13.
Pettibone Mulliken Corporation, Chicago, Ill. Electrically actuated automatic cycle controls for machines. 541,573, Apr. 24; Serial No. 600,971, published Feb. 6, 1951. Class 21.
Philco Corporation, Philadelphia, Pa. Radio receivers and parts thereof and television receivers and parts thereof. 541,570, Apr. 24; Serial No. 600,074, published Jan. 30, 1951. Class 21.
Phoenix Pie Company, Portsmouth, Ohio. Pies. 541,622, Apr. 24; Serial No. 589,938. Class 46.
Pierce, F. O., Company, Long Island City, N. Y. Deck and floor paint. 541,538, Apr. 24; Serial No. 594,575, published Jan. 30, 1951. Class 16.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Ready-mixed liquid paints, varnishes, and lacquers. 275,532, renewed Sept. 23, 1950. O. G. Apr. 24. Class 16.
Placentia Orchard Company, Fullerton, Calif. Fresh oranges. 541,349, Apr. 24; Serial No. 565,453, published Jan. 2, 1951. Class 46.
Pollak, Henry, Inc., New York, N. Y. Women's felt hats. 281,525, renewed Mar. 24, 1951. O. G. Apr. 24. Class 39.
Polley, H. Wm., trading as Southern Paint and Varnish Company, Macon, Ga. Ready-mixed paints; technical and industrial finishes; creosote stains, etc. 444,476, Apr. 24; Serial No. 512,019, published Jan. 30, 1951. Class 16.
Pool, Joe R., doing business as Joe R. Pool Co., Dallas, Tex. Mattresses. 541,463, Apr. 24; Serial No. 587,749, published Feb. 6, 1951. Class 32.
Pool, Joe R., Co.: *See*—
Pool, Joe R.
Popular Publications, Inc.: *See*—
Ridgway Company, The.
Protex Chemical Co., Everett, Pa., by "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Fire-extinguishing chemical compound. 179,233, Feb. 5, 1924. Republished Apr. 24. Class 6.
Public Baking Co., Inc., New York, N. Y. Bread. 541,493, Apr. 24; Serial No. 590,856, published Jan. 2, 1951. Class 46.
Publicker Industries Inc., Philadelphia, Pa. Denatured alcohol and anti-freeze preparations. 541,382, Apr. 24; Serial No. 576,471, published Jan. 9, 1951. Class 6.
Pur-O-Dor Co.: *See*—
Heldemann, Axel K.
Purex Products, Inc., Baltimore, Md. Antiseptic tooth powder and ammoniated wafers. 541,390, Apr. 24; Serial No. 579,556, published Jan. 16, 1951. Class 51.
Quaker Oats Company, The, Chicago, Ill. Dog food. 541,343, Apr. 24; Serial No. 562,956, published Jan. 9, 1951. Class 46.
Rainbo-Rancho Trout Farm: *See*—
McDonald, Maurice E.
Rath Packing Company, The, Waterloo, Iowa. Lard. 541,276, Apr. 24; Serial No. 539,757, published Dec. 12, 1950. Class 46.
Reardon Company, The, St. Louis, Mo. Mechanical sprayers. 541,405, Apr. 24; Serial No. 581,497, published Jan. 9, 1951. Class 23.
Recker, O. R., doing business as O. R. Recker Packing Co., Phoenix, Ariz. Fresh vegetables. 401,357, May 11, 1943. Republished Apr. 24, 1951. Class 46.
Recker, O. R. Packing Co.: *See*—
Recker, O. R.
Reis, Robert, & Co., to The Manhattan Shirt Company, New York, N. Y. Knit and woven underwear, hosiery, bathing-suits, and sweaters. 150,073, Dec. 27, 1921. New certificate. O. G. Apr. 24. Class 39.
Rempel Enterprises, Akron, Ohio. Hollow rubber character animals and ceramic character animals. 541,325, Apr. 24; Serial No. 554,512, published Jan. 16, 1951. Class 22.
Rex Macaroni Products Co., Inc., Lawrence and Boston, Mass. Egg noodles. 541,615, Apr. 24; Serial No. 586,312. Class 46.
Richardson Corporation, Rochester, N. Y. Crushed and whole fruits and nuts, etc. 541,265, Apr. 24; Serial No. 532,754, published Nov. 28, 1950. Class 46.
Richardson, Sid, Carbon Co., Fort Worth, Tex. Carbon black. 541,481–2, Apr. 24; Serial Nos. 589,680–1, published Feb. 6, 1951. Class 6.
Richfield Oil Company of California, to Richfield Oil Corporation, Los Angeles, Calif. Petroleum and products of petroleum. 279,954, renewed Feb. 10, 1951. O. G. Apr. 24. Class 15.
Richfield Oil Corporation: *See*—
Richfield Oil Company of California.
Richmond Oil Equipment Company, Inc., Richmond, Va. Compressor pumps. 541,360, Apr. 24; Serial No. 568,666, published Jan. 23, 1951. Class 23.
Ridgway Company, The, to Popular Publications, Inc., New York, N. Y. Monthly periodical. 81,103, re-renewed Feb. 28, 1951. O. G. Apr. 24. Class 38.
Rogio, Inc., Milwaukee, Wis. Beverage-supporting tray for card table attachment. 541,528, Apr. 24; Serial No. 594,148, published Jan. 9, 1951. Class 32.
Ronnoco Export Development Company Limited, London, England. Compressed air pumps and spraying machines. 541,529, Apr. 24; Serial No. 594,149, published Jan. 2, 1951. Class 23.
Royal Battery Corporation, Paterson, N. J. Storage batteries. 541,550, Apr. 24; Serial No. 596,443, published Jan. 23, 1951. Class 21.
Sage Laboratories, Inc., New York, N. Y. Household laundry starch. 541,402, Apr. 24; Serial No. 580,904, published May 16, 1950. Class 6.
St. Joe Valley Brands, St. Joe, Ind. Sweet pickles, dill pickles, pickled peppers, etc. 541,607, Apr. 24; Serial No. 582,740. Class 46.
St. Joe Valley Brands, St. Joe, Ind. Pickled onions. 541,608, Apr. 24; Serial No. 582,741. Class 46.
Salter, H. B., Manufacturing Company, Marysville, Ohio. Bibb cocks, basin cocks, bath cocks, etc. 541,294, Apr. 24; Serial No. 542,973, published Jan. 9, 1951. Class 13.
Samuel, Howard H., Inc., Hackettstown, N. J. Power operated single and double surface planing machines, etc. 541,438, Apr. 24; Serial No. 585,081, published Nov. 7, 1950. Class 23.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparations. 283,776, renewed June 9, 1951. O. G. Apr. 24. Class 18.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparations. 283,794, renewed June 9, 1951. O. G. Apr. 24. Class 18.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparations. 284,623, renewed July 7, 1951. O. G. Apr. 24. Class 18.
Sattinger, Carl O., doing business as Sattinger's Wholesale Grocery, to M. J. Sattinger, Los Angeles, Calif. Canned dog food. 284,342, renewed June 23, 1951. O. G. Apr. 24. Class 46.
Sattinger, M. J.: *See*—
Sattinger, Carl O.
Sattinger's Wholesale Grocery: *See*—
Sattinger, Carl O.
Saylor's, Miss, Chocolates, Inc., Alameda, Calif. Candy. 541,508, Apr. 24; Serial No. 561,802, published Feb. 6, 1951. Class 46.
Schindler's Peanut Products, Inc., Washington, D. C., and Baltimore, Md. Peanut butter sandwiches. 541,297, Apr. 24; Serial No. 544,205, published Dec. 19, 1950. Class 46.
Schlesinger, Harry, Brooklyn, N. Y., by Jean Jordeau, Inc., South Orange, N. J. Remedy for corns, callouses, warts, etc. 128,847, Jan. 13, 1920. Republished Apr. 24. Class 18.
Schlussler, Adolph, New York, N. Y. Baby diapers. 541,614, Apr. 24; Serial No. 585,685. Class 39.
Schramm, Inc., West Chester, Pa. Governors for regulating the speed of engine-driven compressors. 541,387, Apr. 24; Serial No. 577,991, published Jan. 23, 1951. Class 23.
Schur, Leonard M., Inc., New York, N. Y. Pillows, cushions and chair pads. 541,536, Apr. 24; Serial No. 594,499, published Jan. 23, 1951. Class 32.
Sea Pantry Co., Los Angeles, Calif. Frozen fish and frozen shellfish. 541,475, Apr. 24; Serial No. 589,173, published Feb. 6, 1951. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Kitchen utensils. 541,311, Apr. 24; Serial No. 550,087, published Jan. 9, 1951. Class 13.
Sell's Specialties, Inc., New York, N. Y. Liver paste mix. 541,474, Apr. 24; Serial No. 588,815, published Dec. 5, 1950. Class 46.

Selmer, H. & A., Inc., Elkhart, Ind. Pianos. 541,478, Apr. 24; Serial No. 589,339, published Jan. 23, 1951. Class 36.
Seng Company, The, Chicago, Ill. Metal parts, fixtures, and attachments particularly suitable for use in furniture construction. 541,291, Apr. 24; Serial No. 541,581, published Jan. 9, 1951. Class 32.
Sheffield Fine Cutlery Co., Inc., Uxbridge, Mass. Knives. 541,555, Apr. 24; Serial No. 597,019, published Jan. 16, 1951. Class 23.
Shenandoah Brick & Tile Corporation, Winchester, Va. Building brick and tile. 541,361, Apr. 24; Serial No. 569,015, published Jan. 23, 1951. Class 12.
Shewach Brothers, Detroit, Mich. Canned fruits, canned vegetables, fruit cocktail, etc. 541,431, Apr. 24; Serial No. 584,157, published Nov. 28, 1950. Class 46.
Short, J. R., Milling Company, Chicago, Ill. Processed corn product. 281,822, renewed Mar. 31, 1951. O. G. Apr. 24. Class 46.
Sigma Phi Delta, Los Angeles, Calif., to Sigma Phi Delta Fraternity, Chicago, Ill. Fraternity pins and badges. 282,425, renewed Apr. 21, 1951. O. G. Apr. 24. Class 28.
Sigma Phi Delta Fraternity: *See*—
Sigma Phi Delta.
Simmons Company, New York, N. Y. Mattresses, box springs, slat springs, etc. 541,309, Apr. 24; Serial No. 549,977, published May 30, 1950. Class 32.
Simonds Saw and Steel Company: *See*—
Simonds Saw & Steel Company.
Simonds Saw & Steel Company, Boston, to Simonds Saw and Steel Company, Fitchburg, Mass. Steel. 284,686, renewed July 7, 1951. O. G. Apr. 24. Class 14.
Simons & French Company, Incorporated, New York, N. Y. Fresh deciduous fruits. 541,262, Apr. 24; Serial No. 526,307, published Nov. 14, 1950. Class 46.
Sinclair Refining Company: *See*—
Union Petroleum Company.
Sinclair Refining Company, New York, N. Y., to Sinclair Refining Company, Chicago, Ill. Petroleum derivative. 281,774, renewed Mar. 31, 1951. O. G. Apr. 24. Class 6.
Sindar Corporation, New York, N. Y. Chemical industrial and aromatic materials. 541,312, Apr. 24; Serial No. 550,747, published Jan. 16, 1951. Class 18.
Sinykin, J. L., doing business as D'Cliny, St. Paul, Minn. Eau de cologne and perfume. 396,597, July 28, 1942. Amended. O. G. Apr. 24. Class 51 (formerly in Class 6).
Sioux Honey Association, Cooperative, doing business under the name and style of Western Honey Producers, Sioux City, Iowa. Honey. 541,443, Apr. 24; Serial No. 585,487, published Oct. 3, 1950. Class 46.
Sioux Steel Co., The, Sioux Falls, S. Dak. Eaves troughs, roof gutters, ridge rolls, etc. 541,260, Apr. 24; Serial No. 523,547, published Jan. 30, 1951. Class 12.
Smit, J. K., & Sons, Inc., New York, N. Y., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J. Mounts or holders. 541,378, Apr. 24; Serial No. 574,930, published Jan. 16, 1951. Class 23.
Smith Engineering Works, Milwaukee, Wis. Rock, ore, sand and gravel handling equipment. 541,549, Apr. 24; Serial No. 596,126, published Jan. 2, 1951. Class 23.
Smoked Pork Roll, Inc., Philadelphia, Pa. Smoked pork roll. 541,279–80, Apr. 24; Serial Nos. 552,172–3, published Nov. 7, 1950. Class 46.
Sonotone Corporation, Elmsford, N. Y. Mechano-electric energy transducers. 541,539, Apr. 24; Serial No. 594,669, published Feb. 6, 1951. Class 21.
Southern Alkali Corporation, Corpus Christi, Tex. Chemical composition. 541,491–2, Apr. 24; Serial Nos. 590,526–7, published Feb. 6, 1951. Class 6.
Southern California Fish Co., East San Pedro, by Southern California Fish Corporation, Terminal Island, Calif. Canned tuna fish and canned sardines. 125,525, May 20, 1919. Republished Apr. 24. Class 46.
Southern California Fish Corporation: *See*—
Southern California Fish Co.
Southern Cotton Oil Company, The, New Orleans, La. Cotton-seed oil for salads and cooking. 541,442, Apr. 24; Serial No. 585,460, published Nov. 14, 1950. Class 46.
Southern Paint and Varnish Company: *See*—
Polley, H. Wm.
Speakman Company, Wilmington, Del. Balanced pressure, hot and cold water mixing valves. 541,329, Apr. 24; Serial No. 557,163, published Jan. 16, 1951. Class 13.
Speed-O-Print Corporation, Chicago, Ill. Duplicating machines. 541,446, Apr. 24; Serial No. 585,610, published Jan. 9, 1951. Class 23.
Sperry Flour Company, San Francisco, Calif. Cake flour. 207,922, Jan. 12, 1926. Restricted. O. G. Apr. 24. Class 46.
Spradlin, Roy H., Lakeworth, Fla. Frosted, chocolate-covered bananas on a stick. 541,415, Apr. 24; Serial No. 582,581, published Nov. 28, 1950. Class 46.
Sprague Electric Company: *See*—
Sprague Specialties Company.
Sprague Specialties Company, Quincy, to Sprague Electric Company, North Adams, Mass. Electric condensers. 277,908, renewed Dec. 2, 1950. O. G. Apr. 24. Class 21.
Stanco Incorporated, to Esso Standard Oil Company, New York, N. Y. Insecticides, deodorants, and disinfectants. 279,354, renewed Jan. 13, 1951. O. G. Apr. 24. Class 6.
Standard Novelty Works, Duncannon, Pa. Coasting sleds. 541,540, Apr. 24; Serial No. 594,924, published Jan. 16, 1951. Class 22.
Standard Oil Company: *See*—
Devoe Manufacturing Company, The.
Stanley Fruit Company, Phoenix, Ariz. Fresh cantaloupe. 541,275, Apr. 24; Serial No. 538,464, published Nov. 14, 1950. Class 46.
Starr Foods, Inc., assignee: *See*—
Starr Fruit Products Co.
Starr Fruit Products Co., Portland, Oreg.; E. W. Johnson, trustee, assignor to Starr Foods, Inc., Salem, Oreg. Canned fruits, berries, and vegetables. 541,328, Apr. 24; Serial No. 557,078, published Jan. 16, 1951. Class 46.
Steele Canning Company, Springdale, Ark. Canned vegetables. 541,543, Apr. 24; Serial No. 595,010, published Jan. 23, 1951. Class 46.
Steelsharp Manufacturing Co., assignee of R. W. Broberg, doing business as Steelsharp Manufacturing Co., Racine, Wis. Knife sharpeners. 541,589, Apr. 24; Serial No. 522,267. Class 23.
Sterwin Chemicals Inc., New York, N. Y. Food colors. 541,517, Apr. 24; Serial No. 593,145, published Jan. 23, 1951. Class 46.
Stiebel, Theodor, Holzminden, Weser, Germany. Electric space heaters; electric immersion heaters; etc. 541,400, Apr. 24; Serial No. 580,527, published Dec. 12, 1950. Class 21.
Stoddard Products Company, Incorporated, Woodbridge and New Haven, Conn. Tools. 541,417, Apr. 24; Serial No. 582,658, published Jan. 9, 1951. Class 23.
Summers, Charles G., Jr., Inc., New Freedom, Pa. Canned red kidney beans. 541,623, Apr. 24; Serial No. 590,626. Class 46.
Superior Company, Inc., Piqua, Ohio, and New York, N. Y. Men's, women's and children's union suits, combination suits, undershirts, etc. 541,322, Apr. 24; Serial No. 554,272, published Feb. 6, 1951. Class 39.
Superior Honey Company, Los Angeles, Calif. Honey. 541,259, Apr. 24; Serial No. 523,110, published Jan. 16, 1951. Class 46.
Swift & Company, doing business under the trading name of Armstrong Packing Company, Chicago, Ill. Vegetable shortening. 541,471, Apr. 24; Serial No. 588,332 published Jan. 2, 1951. Class 46.
Taylor Corporation, The, Alliance, Ohio. Clothes dryers. 541,574, Apr. 24; Serial No. 601,240, published Jan. 23, 1951. Class 24.
Taylor & Sledd, Inc., Richmond, Va. Canned vegetables and canned apple sauce. 541,451, Apr. 24; Serial No. 586,666, published Nov. 28, 1950. Class 46.
TECO Société Anonyme, Bois-de-Breux, near Liege, Belgium. Electric kitchen ranges, cookers, and water heaters; etc. 541,418, Apr. 24; Serial No. 582,663 published Jan. 30, 1951. Class 21.
Telex, Inc., St. Paul, Minn. Under-the-chin headphone for use in connection with transcribing machines, etc. 541,339, Apr. 24; Serial No. 561,953, published Feb. 6, 1951. Class 21.
Terwilliger, William G., doing business as Care Chemical Company, New York, N. Y., assignor to Care Chemical Company. Mixture of ingredients having therapeutic value and used for the relief of colds, etc. 541,268, Apr. 24; Serial No. 533,952, published June 29, 1948. Class 18.
Thornburg, Wayne, doing business as Wayne-Thornburg Ranches, Litchfield Park, Ariz. Fresh grapes, fresh vegetables and fresh melons. 541,424, Apr. 24; Serial No. 583,567, published Oct. 3, 1950. Class 46.
Thornburg, Wayne, Ranches: *See*—
Thornburg, Wayne.
Tilghman Packing Company, The, Tilghman, Md. Canned fresh oysters, and canned cooked shad fillets, etc. 541,331, Apr. 24; Serial No. 557,701, published Jan. 31, 1950. Class 46.
Torbitt & Castleman Company, The, Louisville, Ky. Table syrup. 541,272, Apr. 24; Serial No. 537,839, published Nov. 21, 1950. Class 46.
Torbitt & Castleman Company, The, Louisville, Ky. Table syrup. 541,273, Apr. 24; Serial No. 537,842, published Nov. 21, 1950. Class 46.
Transcontinental & Western Air, Inc., Kansas City, Mo. Air transportation of persons, property, and mail. 541,582, Apr. 24; Serial No. 594,298, published Jan. 30, 1951. Class 105.
Traux-Traer Coal Company, Chicago, Ill. Coal. 284,472, renewed June 30, 1951. O. G. Apr. 24. Class 1.
Tresses of Hair, Inc., New York, N. Y. Hair pieces. 541,598, Apr. 24; Serial No. 563,701. Class 40.
Triad Transformer Mfg. Co., Los Angeles, Calif. Choke coils and transformers. 541,559, Apr. 24; Serial No. 598,617, published Jan. 30, 1951. Class 21.
Trojan Powder Company, Allentown, Pa. Pentaerythritol technical, pentaerythritol pure, etc. 541,423, Apr. 24; Serial No. 583,418, published Feb. 6, 1951. Class 6.

Union Petroleum Company, Wilmington, Del., and Philadelphia, Pa., to Sinclair Refining Company, Chicago, Ill. Oil compound. 81,038, re-renewed Feb. 21, 1951. O. G. Apr. 24. Class 15.

United Shoe Machinery Corporation: *See*—
Whitcher, Frank W., Company.

United Wallpaper, Inc., Chicago, Ill. Wallpaper. 541,426, Apr. 24; Serial No. 583,782, published Feb. 6, 1951. Class 37.

United States Envelope Company, Springfield, Mass. Correspondence paper and envelopes. 282,845, renewed May 5, 1951. O. G. Apr. 24. Class 37.

United States Rubber Company, New York, N. Y. Pillows and furniture cushions. 541,388, Apr. 24; Serial No. 578,061, published Jan. 9, 1951. Class 32.

Upjohn Company, The, Kalamazoo, Mich. Cough syrup. 282,889, renewed May 5, 1951. O. G. Apr. 24. Class 18.

Upson Company, The, Lockport, N. Y. Wall board. 541,363, Apr. 24; Serial No. 569,494, published Jan. 23, 1951. Class 12.

Valier and Spies Milling Company: *See*—
Flour Mills of America, Inc.

Valley Packing Company, Salem, Oreg. Smoked bacon, smoked pork shoulders, and smoked hams. 541,266, Apr. 24; Serial No. 533,080, published Feb. 6, 1951. Class 46.

Valley Packing Company, San Benito, Tex. Sliced bacon. 541,274, Apr. 24; Serial No. 537,955, published Feb. 6, 1951. Class 46.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils. 279,264, renewed Jan. 13, 1951. O. G. Apr. 24. Class 15.

Van Brode Milling Co., Inc., Clinton, Mass. Cereal breakfast foods. 541,510, Apr. 24; Serial No. 592,122, published Feb. 6, 1951. Class 46.

Van Camp Sea Food Co., Inc., Terminal Island, Calif. Canned fish. 280,182–3, renewed Feb. 10, 1951. O. G. Apr. 24. Class 46.

Ve-Bo Product Co., New York, N. Y. Powdered product for flavoring and seasoning food. 541,600, Apr. 24; Serial No. 565,738. Class 46.

Vermillion, W. R., Co., Inc., Kansas City, Mo. Portable electrically operated saws. 541,472, Apr. 24; Serial No. 588,340, published Jan. 23, 1951. Class 21.

Veteran, J. J., Company, Palo Alto, Calif. Metallic fasteners. 541,277, Apr. 24; Serial No. 540,741, published Jan. 9, 1951. Class 13.

Victori, Joseph, & Co., Inc.: *See*—
Hills Brothers Company, The.

Vita Food Products, Inc., New York, N. Y. Caviar in tins and jars. 541,305, Apr. 24; Serial No. 548,888, published Nov. 28, 1950. Class 46.

Vogl, Arnold, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine. Canned fish. 541,419, Apr. 24; Serial No. 582,707, published Jan. 23, 1951. Class 46.

Vonnegut Hardware Company, Indianapolis, Ind. Cross rods. 541,516, Apr. 24; Serial No. 592,957, published Jan. 9, 1951. Class 13.

W. & S. Packing Company, Salinas, Calif. Fresh lettuce. 541,595, Apr. 24; Serial No. 544,944. Class 46.

Walter Candy Co.: *See*—
Walter, Paul.

Walter, Paul, trading as Caramel Crisp Shop and Walter Candy Co., Cedar Rapids, Iowa. Nut candies. 541,301, Apr. 24; Serial No. 547,881, published Dec. 12, 1950. Class 46.

Warren Axe and Tool Company, Warren, Pa. Axes. 541,300, Apr. 24; Serial No. 547,207, published Dec. 12, 1950. Class 23.

Wayne Knitting Mills, Fort Wayne, Ind. Stockings. 372,647, Nov. 7, 1939. Republished Apr. 24. Class 39.

Webster Electric Company, Racine, Wis. Audio frequency amplifiers, pickup tone arms, etc. 541,506, Apr. 24; Serial No. 591,757, published Jan. 23, 1951. Class 21.

Weissmiller Manufacturing Co.: *See*—
Wise, Daniel.

Werk, M., Company, The, St. Bernard, Ohio. Starch. 541,498, Apr. 24; Serial No. 591,266, published Feb. 6, 1951. Class 6.

Wesix Electric Heater Co., San Francisco, Calif. Electric heaters. 541,569, Apr. 24; Serial No. 599,726, published Feb. 6, 1951. Class 21.

Western Honey Producers: *See*—
Sioux Honey Association, Cooperative.

Western Insulated Products Co., St. Helens, Oreg. Prefabricated surfacing sections. 541,618, Apr. 24; Serial No. 587,373. Class 12.

Western Meat Distributors: *See*—
Miller, Clyde.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 282,941, renewed May 5, 1951. O. G. Apr. 24. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 284,757, renewed July 7, 1951. O. G. Apr. 24. Class 37.

Wheeling Bronze Casting Company, Wheeling and Moundsville, W. Va. Non-ferrous metal products. 541,282, Apr. 24; Serial No. 552,299, published Feb. 6, 1951. Class 13.

Whitcher, Frank W., Company, to United Shoe Machinery Corporation, Boston, Mass. Welt-trimmers. 81,237, re-renewed Mar. 14, 1951. O. G. Apr. 24. Class 23.

Whitman, E. G., & Co., Inc., Philadelphia, Pa. Candy. 541,619, Apr. 24; Serial No. 287,408. Class 46.

Wiebolt Stores, Inc., Chicago, Ill. Golf balls and golf clubs. 541,479, Apr. 24; Serial No. 589,542, published Jan. 16, 1951. Class 22.

Williams, James, Jr., doing business as Harvest Jim, Santa Barbara, assignor to Harvest Jim Fruit Packs, Inc., Fillmore Calif. Gift packages consisting of: fresh citrus fruits, fresh avocados, etc. 541,296, Apr. 24; Serial No. 543,675, published Oct. 31, 1950. Class 46.

Wilson Distilling Co., Inc., The, by Hunter-Wilson Distilling Co., Inc., New York, N. Y. Gin. 313,197, May 22, 1934. Republished Apr. 24. Class 49.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Fertilizer. 541,494, Apr. 24; Serial No. 591,006, published Jan. 9, 1951. Class 10.

Wincharger Corporation, Sioux City, Iowa. Wind-driven power apparatus and parts thereof, etc. 541,377, Apr. 24; Serial No. 574,174, published Dec. 12, 1950. Class 21.

Wise, Daniel, trading and doing business as Weissmiller Manufacturing Co., Reading, Pa. Men's underwear. 541,616, Apr. 24; Serial No. 586,998. Class 39.

Wonder Weavers, New Haven, Conn. Weaving and mending garments. 541,575, Apr. 24; Serial No. 526,721, published Jan. 30, 1951. Class 103.

Wong, Ed, Los Angeles, Calif. Fresh vegetables. 541,592, Apr. 24; Serial No. 540,508. Class 46.

Yakima Fruit & Cold Storage Co., Yakima, Wash. Fresh apples. 541,432, Apr. 24; Serial No. 584,210, published Dec. 5, 1950. Class 46.

Yale & Towne Manufacturing Company, The, New York, N. Y. Hand operated lift trucks. 444,478, Apr. 24; Serial No. 523,501, published Oct. 24, 1950. Class 23.

Yoshimoto, Edward, Los Angeles, Calif. Tea. 541,371, Apr. 24; Serial No. 572,229, published Mar. 14, 1950. Class 46.

Ziegler Games, Hickman Mills, Mo. Card games. 541,530, Apr. 24; Serial No. 594,302, published Jan. 16, 1951. Class 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Traux-Traer Coal Company. 284,472, renewed June 30, 1951. O. G. Apr. 24.

CLASS 2

Bags, Laundry net. Callaway Mills Company. 541,465, Apr. 24; Serial No. 587,850, published Jan. 30, 1951.

Metal, hand oilers. The Anderson Chemical Company. 541,257, Apr. 24; Serial No. 509,490, published Jan. 30, 1951.

Tanks and buckets, Metal, metal baskets, vats, etc. Calumet Manufacturing Company. 541,310, Apr. 24; Serial No. 550,017, published Jan. 30, 1951.

Tanks, Flexible, portable, water-storage. The Harodite Finishing Company, Inc. 541,444–5, Apr. 24; Serial Nos. 585,530–1, published Jan. 30, 1951.

Tanks, Pneumatic, and pressure closet tanks. W. A. Case and Son Manufacturing Company. 541,270, Apr. 24; Serial No. 536,764, published Jan. 30, 1951.

CLASS 4

Compound for use on automobiles which washes, waxes and polishes. Allied Home Products Corporation. 541,609, Apr. 24; Serial No. 583,017.

CLASS 6

Alcohol, Denatured, and anti-freeze preparations. Publicker Industries Inc. 541,382, Apr. 24; Serial No. 576,471, published Jan. 9, 1951.

Automotive products. Permatex Company, Inc. 541,409, Apr. 24; Serial No. 582,100, published Jan. 9, 1951.

Benzol. Oronite Chemical Company. 541,413, Apr. 24; Serial No. 582,540, published Jan. 9, 1951.

Bleach compound, Laundry. F. J. Capuzello. 541,527, Apr. 24; Serial No. 594,101, published Feb. 6, 1951.

Carbon black. Sid Richardson Carbon Co. 541,481–2, Apr. 24; Serial Nos. 589,680–1, published Feb. 6, 1951.

Chemical composition. Southern Alkali Corporation. 541,491–2, Apr. 24; Serial Nos. 590,526–7, published Feb. 6, 1951.

Chemical compositions, Synthetic organic. Allied Chemical & Dye Corporation. 541,467, Apr. 24; Serial No. 587,925, published Feb. 6, 1951.

Chemical compound, Fire-extinguishing. Protex Chemical Co. 179,233, Feb. 5, 1924. Republished Apr. 24.

Chemical preparation. Food Machinery and Chemical Corporation. 541,403, Apr. 24; Serial No. 581,412, published Jan. 9, 1951.

Chemical substances. Heintz Manufacturing Company. 541,462, Apr. 24; Serial No. 587,551, published Feb. 6, 1951.

Chemical to prevent algae formations in aquariums. O. Nonnenmann. 541,411, Apr. 24; Serial No. 582,359, published Jan. 9, 1951.

Chemicals. Oilwell Chemical and Materials Co., Inc. 541,407, Apr. 24; Serial No. 581,776, published Jan. 16, 1951.

Colloidal clay, Chemically treated. Filtrol Corporation. 541,487, Apr. 24; Serial No. 590,309, published Feb. 6, 1951.

Coloring compositions, Synthetic organic. Allied Chemical & Dye Corporation. 541,468, Apr. 24; Serial No. 587,928, published Feb. 6, 1951.

Deodorizing cakes, Chemically-treated. A. K. Heidemann. 541,611, Apr. 24; Serial No. 583,395.

Dyestuffs. E. I. du Pont de Nemours and Company. 541,532, Apr. 24; Serial No. 594,439, published Feb. 6, 1951.

Insecticide. The C. B. Dolge Company. 541,433, Apr. 24; Serial No. 584,715, published Feb. 6, 1951.

Insecticides and agricultural fungicides. Hayes-Sammons Company. 541,398, Apr. 24; Serial No. 580,364, published Jan. 9, 1951.

Insecticides, deodorants, and disinfectants. Stanco Incorporated. 279,354, renewed Jan. 13, 1951. O. G. Apr. 24.

Mixture of fatty acids and organic bases. Armour and Company. 541,421, Apr. 24; Serial No. 583,233, published Feb. 6, 1951.

Parasiticides. Food Machinery and Chemical Corporation. 541,404, Apr. 24; Serial No. 581,414, published Jan. 9, 1951.

Parasiticides. Niagara Sprayer & Chemical Company, Inc. 281,666, renewed Mar. 24, 1951. O. G. Apr. 24.

Pentaerythritol technical, pentaerythritol pure, etc. Trojan Powder Company. 541,423, Apr. 24; Serial No. 583,418, published Feb. 6, 1951.

Petroleum derivative. Sinclair Refining Company. 281,774, renewed Mar. 31, 1951. O. G. Apr. 24.

Preparation for stopping leakage around piping. Lake Chemical Company. 541,620, Apr. 24; Serial No. 589,261.

Starch. The M. Werk Company. 541,498, Apr. 24; Serial No. 591,266, published Feb. 6, 1951.

Starch, Chemically treated. A. M. Meincke & Son, Inc. 541,521, Apr. 24; Serial No. 593,425, published Feb. 6, 1951.

Starch, Household laundry. Sage Laboratories, Inc. 541,402, Apr. 24; Serial No. 580,904, published May 16, 1950.

Synthetic resins. Monsanto Chemical Company. 541,408, Apr. 24; Serial No. 581,967, published Jan. 9, 1951.

Water softener. The Cudahy Packing Company. 284,751, renewed July 7, 1951. O. G. Apr. 24.

Wetting-out agent for use in the textile industry. Ciba Limited. 541,337, Apr. 24; Serial No. 560,975, published Jan. 23, 1951.

CLASS 8

Lighters, Pyrophoric cigarette and cigar. Eisenstadt Mfg. Company. 283,260, renewed May 19, 1951. O. G. Apr. 24.

CLASS 10

Chemical preparations useful for the stimulation of seed potatoes. American Chemical Paint Company. 541,476, Apr. 24; Serial No. 589,302, published Jan. 9, 1951.

Fertilizer. R. W. Gilmore. 541,564, Apr. 24; Serial No. 599,089, published Jan. 2, 1951.

Fertilizer. Wilson & Toomer Fertilizer Co., 541,494, Apr 24; Serial No. 591,006, published Jan. 9, 1951.

Flower food, Cut. E. J. Flanagan. 541,556, Apr. 24; Serial No. 597,517, published Jan. 2, 1951.

Manure, Organic. Nelson Fertilizer Co., Inc. 541,441, Apr. 24; Serial No. 585,341, published Jan. 9, 1951.

Soil conditioning material. Gregg Lumber Company. 541,500, Apr. 24; Serial No. 591,293, published Jan. 9, 1951.

CLASS 12

Blocks, Portland-cement, Portland-cement slabs, and Portland cement. Naamloze Vennootschap Eerste Nederlandsche Cement Industrie (E. N. C. I.). 277,103, renewed Nov. 4, 1950. O. G. Apr. 24.

Board made of compressed wood products. Curtis Companies Incorporated. 541,303, Apr. 24; Serial No. 547,974, published Jan. 23, 1951.

Board, Wall. The Upson Company. 541,363, Apr. 24; Serial No. 569,494, published Jan. 23, 1951.

Brick and tile, Building. Shenandoah Brick & Tile Corporation. 541,361, Apr. 24; Serial No. 569,015, published Jan. 23, 1951.

Brick, Refractory. E. J. Lavino and Company. 541,560–1, Apr. 24; Serial Nos. 598,658–9, published Jan. 30, 1951.

Eaves troughs, roof gutters, ridge rolls, etc. The Sioux Steel Co. 541,260, Apr. 24; Serial No. 523,547, published Jan. 30, 1951.

Insulating material, Wood pulp; vapor seal paper; and wood fiber panels. Kimberly-Clark Corporation. 541,459, Apr. 24; Serial No. 587,386, published Jan. 30, 1951.

Lightweight aggregate. The Lehigh Coal and Navigation Company. 541,327, Apr. 24; Serial No. 556,800, published Dec. 20, 1949.

Materials particularly a cold-mix, cold-lay asphaltic concrete. The Interstate Amiesite Co. 279,893, renewed Feb. 3, 1951. O. G. Apr. 24.

Molding strips of specially treated material. Malanco, Inc. 541,602, Apr. 24; Serial No. 574,674.

Prefabricated surfacing sections. Western Insulated Products Co. 541,618, Apr. 24; Serial No. 587,373.

Prepared tar, pitch, etc. The Barrett Company. 284,461, renewed June 30, 1951. O. G. Apr. 24.

Putty, trowel cement, seam composition, etc. H. B. F. Kuhls. 541,507, Apr. 24; Serial No. 591,785, published Jan. 30, 1951.

CLASS 13

Bibb cocks, basin cocks, bath cocks, etc. H. B. Salter Manufacturing Company. 541,294, Apr. 24; Serial No. 542,973, published Jan. 9, 1951.

Container with external water inlet and water outlet, Stainless steel, etc. F. T. Perry. 541,511, Apr. 24; Serial No. 592,386, published Jan. 9, 1951.

Door equipment. Frantz Manufacturing Co. 283,724, renewed June 2, 1951. O. G. Apr. 24.

Fittings for hub and spigot pipe. C. J. Hombach. 541,429, Apr. 24; Serial No. 583,998, published Jan. 9, 1951.

Fittings, Jacketed. Parks-Cramer Company. 541,347, Apr. 24; Serial No. 564,736, published Jan. 9, 1951.

Hangers, Picture. E. W. Miller. 541,624, Apr. 24; Serial No. 590,819.

Holders, Toilet paper, robe hooks, soap holders, etc. Hall-Mack Company. 541,290, Apr. 24; Serial No. 541,138, published Jan. 9, 1951.

Kitchen utensils. Sears, Roebuck and Co. 541,311, Apr. 24; Serial No. 550,087, published Jan. 9, 1951.

Metal products, Non-ferrous. Wheeling Bronze Casting Company. 541,282, Apr. 24; Serial No. 552,299, published Feb. 6, 1951.

Metallic fasteners. J. J. Veteran Company. 541,277, Apr. 24; Serial No. 540,741, published Jan. 9, 1951.

Nails, Upholstery, furniture nails, and furniture glides. American Tack Co., Inc. 541,531, Apr. 24; Serial No. 594,432, published Jan. 9, 1951.

Pulleys, Sash, spring hinges, and door springs. The Consolidated Iron-Steel Mfg. Co. 541,414, Apr. 24; Serial No. 582,558, published Jan. 9, 1951.

Rods, Cross. Vonnegut Hardware Company. 541,516, Apr. 24; Serial No. 592,957, published Jan. 9, 1951.

Screws and nuts; bibb washers and bibb screws; valve handles; etc., Plumber's. Leader Specialty Company. 541,267, Apr. 24; Serial No. 533,324, published Jan. 9, 1951.

Skewers. J. C. Brown. 541,547, Apr. 24; Serial No. 595,593, published Jan. 9, 1951.

Slide fasteners, Separable. Kee Zipper Co. 541,603, Apr. 24; Serial No. 574,969.

Sprinklers, Lawn. Automotive Sprinkler Company, Inc. 541,355–7, Apr. 24; Serial Nos. 567,844–6, published Jan. 9, 1951.

Sprinklers, Lawn. Heick Die Casting Corp. 541,372, Apr. 24; Serial No. 572,247, published Jan. 9, 1951.

Sticks for suckers, Wooden handle. Joe Lowe Corporation. 541,396, Apr. 24; Serial No. 580,307, published Jan. 16, 1951.

Suitable attachment to cast iron pressure pipe and pipe fittings. Cast Iron Pipe Research Association. 541,509, Apr. 24; Serial No. 591,978, published Jan. 9, 1951.

Tube fittings. Flodar Corporation. 541,289, Apr. 24; Serial No. 553,687, published Jan. 16, 1951.

Valves. Cameron Iron Works, Inc. 541,497, Apr. 24; Serial No. 591,221, published Jan. 9, 1951.

Valves, Balanced pressure, hot and cold water mixing. Speakman Company. 541,329, Apr. 24; Serial No. 557,163, published Jan. 16, 1951.

Valves, check valves, surface control valves, etc. H. U. Garrett. 541,346, Apr. 24; Serial No. 564,328, published Jan. 9, 1951.

CLASS 14

Steel. Simonds Saw & Steel Company. 284,686, renewed July 7, 1951. O. G. Apr. 24.

CLASS 15

Oil. The Devoe Manufacturing Company. 20,770, Feb. 23, 1892. New certificate. O. G. Apr. 24.

Oil compound. Union Petroleum Company. 81,038, re-renewed Feb. 21, 1951. O. G. Apr. 24.

Oils, Lubricating. Bijur Lubricating Corporation. 280,010, renewed Feb. 10, 1951. O. G. Apr. 24.

Oils, Lubricating. Valvoline Oil Company. 279,264, renewed Jan. 13, 1951. O. G. Apr. 24.

Petroleum and products of petroleum. Richfield Oil Company of California. 279,954, renewed Feb. 10, 1951. O. G. Apr. 24.

CLASS 16

Paint, Deck and floor. F. O. Pierce Company. 541,538, Apr. 24; Serial No. 594,575, published Jan. 30, 1951.

Paint, Ready-mixed, varnish, paint dryers, paint enamels, etc. Badger Paint & Hardware Stores, Inc. 541,596, Apr. 24; Serial No. 548,562.

Paints, Ready-mixed liquid, varnishes, and lacquers. Pittsburgh Plate Glass Company. 275,532, renewed Sept. 23, 1950. O. G. Apr. 24.
Paints, Ready-mixed; technical and industrial finishes; creosote stains, etc. H. W. Polley. 444,476, Apr. 24; Serial No. 512,019, published Jan. 30, 1951.

CLASS 18

Chemical industrial and aromatic materials. Sindar Corporation. 541,312, Apr. 24; Serial No. 550,747, published Jan. 16, 1951.
Cough syrup. The UpJohn Company. 282,889, renewed May 5, 1951. O. G. Apr. 24.
Hormones. Biophysics Laboratories, Inc. 541,362, Apr. 24; Serial No. 569,186, published June 20, 1950.
Medicinal and pharmaceutical preparations. Aktiebolaget Astra, Apotekarnes Kemiska Fabriker. 541,368, Apr. 24; Serial No. 570,606, published Jan. 30, 1951.
Medicinal preparation. W. H. Bull Medicine Company. 80,703, re-renewed Jan. 24, 1951. O. G. Apr. 24.
Medicinal preparation. Vincent Christina & Company, Inc. 541,369, Apr. 24; Serial No. 570,769, published Apr. 11, 1950.
Medicinal preparations. Sandoz Chemical Works, Inc. 283,776, renewed June 9, 1951. O. G. Apr. 24.
Medicinal preparations. Sandoz Chemical Works, Inc. 283,794, renewed June 9, 1951. O. G. Apr. 24.
Medicinal preparations. Sandoz Chemical Works, Inc. 284,623, renewed July 7, 1951. O. G. Apr. 24.
Mixture of ingredients having therapeutic value and used for the relief of colds, etc. W. G. Terwilliger. 541,268, Apr. 24; Serial No. 533,952, published June 29, 1948.
Preparation for massaging and treating the scalp, etc. E. Jones. 541,365, Apr. 24; Serial No. 569,854, published Feb. 6, 1951.
Remedy for corns, callouses, warts, etc. H. Schlesinger. 128,847, Jan. 13, 1920. Republished Apr. 24.
Sedative, Mild. Hudson Products Company. 541,612, Apr. 24; Serial No. 584,813.

CLASS 19

Row-boats, sail-boats and boat kits. F. W. Hagerty. 541,587, Apr. 24; Serial No. 510,392.
Trucks, Motor, and airplane service and repair trucks. K. W. Couse. 541,593, Apr. 24; Serial No. 541,094.

CLASS 21

Air cleaner, Electrostatic. Dualtron Company. 541,435, Apr. 24; Serial No. 584,861, published Jan. 30, 1951.
Amplifiers, Audio, and pre-amplifiers and parts thereof. H. J. Leak & Co. Ltd. 541,477, Apr. 24; Serial No. 589,323, published Jan. 23, 1951.
Amplifiers, Audio frequency, pickup tone arms, etc. Webster Electric Company. 541,506, Apr. 24; Serial No. 591,757, published Jan. 23, 1951.
Batteries, Electric storage, and dry cell batteries and parts thereof. Compagnie Industrielle des Piles Electriques (C. I. P. E. L.). 541,455, Apr. 24; Serial No. 586,842, published Jan. 23, 1951.
Batteries, Storage. Royal Battery Corporation. 541,550, Apr. 24; Serial No. 596,443, published Jan. 23, 1951.
Circuit assemblies, Potted electrical. Melpar, Inc. 541,412, Apr. 24; Serial No. 582,490, published Jan. 23, 1951.
Coils and transformers, Choke. Triad Transformer Mfg. Co. 541,559, Apr. 24; Serial No. 598,617, published Jan. 30, 1951.
Condensers, Electric. Sprague Specialties Company. 277,908, renewed Dec. 2, 1950. O. G. Apr. 24.
Cycle controls for machines, Electrically actuated automatic. Pettibone Mulliken Corporation. 541,573, Apr. 24; Serial No. 600,971, published Feb. 6, 1951.
Electric horns. Jubilee Manufacturing Company. 541,562, Apr. 24; Serial No. 598,955, published Jan. 30, 1951.
Electrical conductors and parts thereof. General Electric Company. 281,583, renewed Mar. 24, 1951. O. G. Apr. 24.
Electrical insulating liquid, Thermosetting. Minnesota Mining & Manufacturing Company. 541,566, Apr. 24; Serial No. 599,383, published Jan. 30, 1951.
Electrically operated saws, Portable. W. R. Vermillion Co., Inc. 541,472, Apr. 24; Serial No. 588,340, published Jan. 23, 1951.
Headphone for use in connection with transcribing machines, etc., Under-the-chin. Telex, Inc. 541,339, Apr. 24; Serial No. 561,953, published Feb. 6, 1951.
Heaters, Electric. Wesix Electric Heater Co. 541,569, Apr. 24; Serial No. 599,726, published Feb. 6, 1951.
Heaters, Electric space; electric immersion heaters; etc. T. Striebel. 541,400, Apr. 24; Serial No. 580,527, published Dec. 12, 1950.
Lamps, Electric bed, and electric floor lamps. C. R. Myre. 541,397, Apr. 24; Serial No. 580,313, published Jan. 30, 1951.
Louver grids of strip aluminum. Hunter Douglas Corporation. 541,416, Apr. 24; Serial No. 582,603, published Feb. 6, 1951.
Power apparatus, Wind-driven, and parts thereof, etc. Wincharger Corporation. 541,377, Apr. 24; Serial No. 574,174, published Dec. 12, 1950.
Radio receivers and parts thereof and television receivers and parts thereof. Philco Corporation. 541,570, Apr. 24; Serial No. 600,074, published Jan. 30, 1951.
Ranges, Electric. The Dortch Stove Works, Inc. 541,563, Apr. 24; Serial No. 598,989, published Jan. 30, 1951.
Ranges, Electric kitchen, cookers, and water heaters; etc. TECO Société Anonyme. 541,418, Apr. 24; Serial No. 582,665, published Jan. 30, 1951.
Resistors, capacitors, and reactors, or combination of same, Electrical. Continental Carbon, Inc. 541,571, Apr. 24; Serial No. 600,374, published Feb. 6, 1951.
Sockets, Electric. Edwin F. Guth Company. 282,197, renewed Apr. 14, 1951. O. G. Apr. 24.
Stoves and ranges, Electric cooking. Detroit-Michigan Stove Company. 541,567, Apr. 24; Serial No. 599,503, published Jan. 30, 1951.
Switchboards. I-T-E Circuit Breaker Company. 541,410, Apr. 24; Serial No. 582,354, published Jan. 30, 1951.
Switches, Electric. Federal Electric Products Company. 541,568, Apr. 24; Serial No. 599,702, published Jan. 30, 1951.
Television sets and television sets in combination with radio-phonographs. Grinnell Brothers. 541,523, Apr. 24; Serial No. 593,796, published Feb. 6, 1951.
Transducers, Mechano-electric energy. Sonotone Corporation. 541,539, Apr. 24; Serial No. 594,669, published Feb. 6, 1951.
Tubing, Laminated electrically non-conductive paper. Formaflte Corporation. 541,557, Apr. 24; Serial No. 597,519, published Jan. 23, 1951.
Welding equipment, Electric arc. The Lincoln Electric Company. 541,320, Apr. 24; Serial No. 554,034, published Jan. 23, 1951.

CLASS 22

Breakable targets. National Rifle Association of America. 541,340, Apr. 24; Serial No. 571,966, published Jan. 16, 1951.
Character animals, Hollow rubber, and ceramic character animals. Rempel Enterprises. 541,325, Apr. 24; Serial No. 554,512, published Jan. 16, 1951.
Dolls, Ideal Novelty & Toy Co. 541,535, Apr. 24; Serial No. 594,464, published Jan. 16, 1951.
Fish lure, Artificial. P. H. Carroll. 541,460, Apr. 24; Serial No. 587,426, published Jan. 16, 1951.
Game, Dart. G. H. Morris, Jr. 541,545, Apr. 24; Serial No. 595,270, published Jan. 16, 1951.
Games, Card. Parker Brothers, Inc. 82,637, re-renewed July 11, 1951. O. G. Apr. 24.
Games, Card. Ziegler Games. 541,530, Apr. 24; Serial No. 594,302, published Jan. 16, 1951.
Golf balls. Davega, Inc. 284,880, renewed July 7, 1951. O. G. Apr. 24.
Golf balls and golf clubs. Wieboldt Stores, Inc. 541,479, Apr. 24; Serial No. 589,542, published Jan. 16, 1951.
Sleds, Coasting. Standard Novelty Works. 541,540, Apr. 24; Serial No. 594,924, published Jan. 16, 1951.
Toy buildings, Miniature. W. Boylan. 541,420, Apr. 24; Serial No. 582,767, published Jan. 16, 1951.
Toy cameras. Commonwealth Plastics Corp. 541,449, Apr. 24; Serial No. 586,144, published Jan. 16, 1951.
Toy fingerprinting set. C. B. Lyon. 541,480, Apr. 24; Serial No. 589,623, published Jan. 16, 1951.

CLASS 23

Axes. Warren Axe and Tool Company. 541,300, Apr. 24; Serial No. 547,207, published Dec. 12, 1950.
Bearings and bushings, etc., Lubricant impregnated fabric. O. & S. Bearing Company. 541,554, Apr. 24; Serial No. 596,934, published Nov. 28, 1950.
Blades for pocket, table, kitchen, etc., knives, etc. W. R. Case & Sons Cutlery Company. 541,284, Apr. 24; Serial No. 553,070, published Jan. 9, 1951.
Clutch unit. Gilbert & Barker Manufacturing Company. 541,456, Apr. 24; Serial No. 587,082, published Oct. 3, 1950.
Conveyors, Portable steel belt. J. D. Hurlbert. 541,525, Apr. 24; Serial No. 593,989, published Jan. 2, 1951.
Duplicating machines. Speed-O-Print Corporation. 541,446, Apr. 24; Serial No. 585,610, published Jan. 9, 1951.
Fastener forming and inserting machines. The Auto-Soler Company. 541,342, Apr. 24; Serial No. 562,819, published Jan. 16, 1951.
Feeding machines, Poultry. Automatic Poultry Feeder Company. 541,457, Apr. 24; Serial No. 587,234, published Jan. 9, 1951.
Governors for regulating the speed of engine-driven compressors. Schramm, Inc. 541,387, Apr. 24; Serial No. 577,991, published Jan. 23, 1951.
Knife sharpeners. Steelsharp Manufacturing Co. 541,589, Apr. 24; Serial No. 522,267.
Knives. Sheffield Fine Cutlery Co., Inc. 541,535, Apr. 24; Serial No. 597,019, published Jan. 16, 1951.
Motors, Outboard, industrial combustion engines and parts thereof. Kiekhaefer Corporation. 541,350, Apr. 24; Serial No. 565,939, published Aug. 29, 1950.
Mounts or holders. J. K. Smit & Sons, Inc. 541,378, Apr. 24; Serial No. 574,930, published Jan. 16, 1951.

Openers, Bottle. Hammoud Research Corporation. 541,348, Apr. 24; Serial No. 564,941, published Jan. 30, 1951.
Planing machines, Power operated single and double surface, etc. Howard H. Samuel, Inc. 541,438, Apr. 24; Serial No. 585,081, published Nov. 7, 1950.
Plows. H. A. Goode. 541,588, Apr. 24; Serial No. 520,099.
Pumps, Compressed air, and spraying machines. Ronnoco Export Development Company Limited. 541,529, Apr. 24; Serial No. 594,149, published Jan. 2, 1951.
Pumps, Compressor. Richmond Oil Equipment Company, Inc. 541,360, Apr. 24; Serial No. 568,666, published Jan. 23, 1951.
Pumps, Vacuum. Central Scientific Company. 283,798, renewed June 9, 1951. O. G. Apr. 24.
Rock, ore, sand and gravel handling equipment. Smith Engineering Works. 541,549, Apr. 24; Serial No. 596,126, published Jan. 2, 1951.
Rollers, Yieldable surfaced. Ideal Roller and Manufacturing Company. 541,448, Apr. 24; Serial No. 585,751, published Jan. 2, 1951.
Scalers, Fish. The Enterprise Manufacturing Company. 541,295, Apr. 24; Serial No. 543,357, published Nov. 21, 1950.
Sewing machines and attachments, Electric. National Sewing Machine Company. 541,351–3, Apr. 24; Serial Nos. 596,508–10, published Jan. 9, 1951.
Sprayers, Hand-operated compression. H. D. Hudson Manufacturing Company. 541,422, Apr. 24; Serial No. 583,262, published Dec. 12, 1950.
Sprayers, Mechanical. The Reardon Company. 541,405, Apr. 24; Serial No. 581,497, published Jan. 9, 1951.
Tools. Stoddard Products Company, Incorporated. 541,417, Apr. 24; Serial No. 582,658, published Jan. 9, 1951.
Tools, Metal working machine. American Steel Foundries. 541,406, Apr. 24; Serial No. 581,637, published Dec. 26, 1950.
Tools, Woodworking. Jet Tool Co. 541,519, Apr. 24; Serial No. 593,355, published Jan. 2, 1951.
Track plates, Crawler tractor. Electric Steel Foundry. 541,332, Apr. 24; Serial No. 557,831, published Jan. 2, 1951.
Tractor tracks and tractors, Band-cable reinforced rubber. Marmon-Herrington Company, Inc. 541,518, Apr. 24; Serial No. 593,231, published Jan. 2, 1951.
Trucks, Hand operated lift. The Yale & Towne Manufacturing Company. 444,478, Apr. 24; Serial No. 523,501, published Oct. 24, 1950.
Trucks, Merchandise lifting and stacking, and parts thereof. Lewis-Shepard Products, Inc. 541,391, Apr. 24; Serial No. 579,695, published Aug. 8, 1950.
Tubing for covering rollers and spinners of textile machines, Plastic. Hickory Specialty Co., Inc. 541,359, Apr. 24; Serial No. 568,619, published Jan. 2, 1951.
Washing machines, Pressure operated wall, and upholstery cleaning machines. Continental Car-Na-Var Corporation. 541,380, Apr. 24; Serial No. 575,198, published Jan. 30, 1951.
Welt-trimmers. Frank W. Whitcher Company. 81,237, re-renewed Mar. 14, 1951. O. G. Apr. 24.

CLASS 24

Clothes dryers. The Taylor Corporation. 541,574, Apr. 24; Serial No. 601,240, published Jan. 23, 1951.
Forms for holding ties while pressing them. V. Kaiser. 541,495, Apr. 24; Serial No. 591,088, published Jan. 23, 1951.
Household accessories. H. Glatt. 541,565, Apr. 24; Serial No. 599,324, published Jan. 16, 1951.
Ironing board pads. N. Merkin. 541,572, Apr. 24; Serial No. 600,965, published Jan. 30, 1951.
Molded plastic articles, namely clothes pins. Nalle Plastics, Inc. 541,351, Apr. 24; Serial No. 566,529, published Jan. 9, 1951.

CLASS 27

Watches and watch parts. L. Meyers. 541,626, Apr. 24; Serial No. 599,382.

CLASS 28

Pins and badges, Fraternity. Sigma Phi Delta. 282,425, renewed Apr. 21, 1951. O. G. Apr. 24.

CLASS 32

Counters, and tables, and tops for counters and tables. The Alden Products Company. 541,546, Apr. 24; Serial No. 595,525, published Jan. 9, 1951.
Display bins, display cabinets, display cases, etc. Duranol Products, Inc. 541,484, Apr. 24; Serial No. 590,001, published Jan. 9, 1951.
Display cases, Candle. Emery Industries, Inc. 541,434, Apr. 24; Serial No. 584,803, published Feb. 6, 1951.
Filing boxes. Biblio-File Co. 541,520, Apr. 24; Serial No. 593,391, published Jan. 9, 1951.
Filing equipment, etc. All-Steel Equipment Inc. 541,304, Apr. 24; Serial No. 548,780, published Jan. 9, 1951.
Furniture and furnishings. Jackson Furniture Company. 541,483, Apr. 24; Serial No. 589,725, published Jan. 9, 1951.
Furniture leg caps. The National Plastic Products Company. 541,548, Apr. 24; Serial No. 595,673, published Jan. 30, 1951.
Furniture, Woven fibre. Astoria Fibre Corporation. 541,399, Apr. 24; Serial No. 580,453, published Feb. 6, 1951.
Mattresses. J. R. Pool. 541,463, Apr. 24; Serial No. 587,749, published Feb. 6, 1951.
Mattresses and box springs. Gordon, Sleeprite Corp. 541,503, Apr. 24; Serial No. 591,674, published Feb. 6, 1951.
Mattresses, box springs, and studio couches. A. J. Logan Company. 541,505, Apr. 24; Serial No. 591,743, published Feb. 6, 1951.
Mattresses, box springs, slat springs, etc. Simmons Company. 541,309, Apr. 24; Serial No. 549,977, published May 30, 1950.
Metal parts, fixtures, and attachments particularly suitable for use in furniture construction. The Seng Company. 541,291, Apr. 24; Serial No. 541,581, published Jan. 9, 1951.
Mirror and door wicket, Combination transparent. Magic Mirror Associates, Inc. 541,333, Apr. 24; Serial No. 558,570, published Feb. 14, 1950.
Pillows and furniture cushions. United States Rubber Company. 541,388, Apr. 24; Serial No. 578,061, published Jan. 9, 1951.
Pillows, Bed, and innerspring mattresses. R. H. Macy & Co., Inc. 541,512, Apr. 24; Serial No. 592,731, published Feb. 6, 1951.
Pillows, cushions and chair pads. Leonard M. Schur, Inc. 541,536, Apr. 24; Serial No. 594,499, published Jan. 23, 1951.
Serving cart. S. G. Barnett. 444,474, Apr. 24; Serial No. 501,813, published Aug. 30, 1949.
Springs, Metal. Los Angeles Inner Spring Co. 541,537, Apr. 24; Serial No. 594,556, published Feb. 6, 1951.
Tray and stand, Combination. The Cal-Dak Company, Incorporated. 541,437, Apr. 24; Serial No. 585,052, published Feb. 6, 1951.
Tray for card table attachment, Beverage-supporting. Roglo, Inc. 541,528, Apr. 24; Serial No. 594,148, published Jan. 9, 1951.
Window shades, Venetian and roller-type. Davison's Northwest Shade & Linoleum Service Inc. 541,345, Apr. 24; Serial No. 563,912, published Jan. 9, 1951.

CLASS 33

Glasses, Drinking. Dart Craftsman Corp. 541,599, Apr. 24; Serial No. 564,989.

CLASS 35

Belting, Leather. The Bradford Belting Co. 80,700, re-renewed Jan. 24, 1951. O. G. Apr. 24.
Belting, Machinery, diaphragms, discs, etc. Graton & Knight Company. 280,618, renewed Feb. 24, 1951. O. G. Apr. 24.

CLASS 36

Phonograph records, Grooved. Keynote Recordings, Inc. 541,367, Apr. 24; Serial No. 570,604, published Jan. 23, 1951.
Pianos. Aeolian American Corporation. 541,374, Apr. 24; Serial No. 573,222, published Jan. 23, 1951.
Pianos, H. & A. Selmer, Inc. 541,478, Apr. 24; Serial No. 589,339, published Jan. 23, 1951.

CLASS 37

Paper and envelopes, Correspondence. United States Envelope Company. 282,845, renewed May 5, 1951. O. G. Apr. 24.
Paper, Toilet. McKesson & Robbins, Incorporated. 276,625, renewed Oct. 21, 1950. O. G. Apr. 24.
Paper, Toilet. Wheeler Paper Corporation. 282,941, renewed May 5, 1951. O. G. Apr. 24.
Paper, Toilet. Wheeler Paper Corporation. 284,757, renewed July 7, 1951. O. G. Apr. 24.
Wallpaper. United Wallpaper, Inc. 541,426, Apr. 24; Serial No. 583,782, published Feb. 6, 1951.

CLASS 38

Magazine. The Automobile Club of New Haven County. 277,730, renewed Nov. 25, 1950. O. G. Apr. 24.
Magazines, Monthly. The American Shetland Pony Club. 541,621, Apr. 24; Serial No. 589,697.
Periodical, Monthly. The Ridgway Company. 81,103, re-renewed Feb. 28, 1951. O. G. Apr. 24.
Publication, Monthly. Bryan Davis Publishing Co., Inc. 541,625, Apr. 24; Serial No. 591,145.
Publications. Draper Corporation. 541,610, Apr. 24; Serial No. 583,336.

CLASS 39

Clothing, Articles of. W. R. Kandel. 541,278, Apr. 24; Serial No. 540,828, published Feb. 6, 1951.
Diapers, Baby. A. Schlussler. 541,614, Apr. 24; Serial No. 585,685.

Hats, Women's felt. Henry Pollak, Inc. 281,525, renewed Mar. 24, 1951. O. G. Apr. 24.
Hosiery. Chipman Knitting Mills. 138,435, Dec. 28, 1920. Republished Apr. 24.
Hosiery. The H. B. Claflin Company. 83,897, Oct. 24, 1911. Republished Apr. 24.
Hosiery. Pennsylvania Silk Hosiery Mills, Inc. 248,733, Oct. 30, 1928. Republished Apr. 24.
Hosiery, Ladies'. Nebel Knitting Company. 541,605, Apr. 24; Serial No. 579,445.
Hosiery, Women's. Joyce Full Fashion Hosiery Co. 541,375, Apr. 24; Serial No. 573,947, published Feb. 6, 1951.
Hosiery, Women's, and women's underwear. Walter W. Moyer Company. 541,447, Apr. 24; Serial No. 585,661, published Feb. 6, 1951.
Pajamas, overalls, sleepers, etc. J. Kessler. 541,597, Apr. 24; Serial No. 551,569.
Pajamas, pajama coats, beach coats, Women's and children's, etc. Kaylon Incorporated. 541,393, Apr. 24; Serial No. 579,933, published Feb. 6, 1951.
Shirts, Men's outer, pajamas and undershorts. The Manhattan Shirt Company. 541,401, Apr. 24; Serial No. 580,607, published Feb. 6, 1951.
Shoes. Brevitt Shoes Limited. 444,475, Apr. 24; Serial No. 504,249, published Feb. 6, 1951.
Shoes, Men's and boys'. H. H. Brown Shoe Co., Inc. 541,606, Apr. 24; Serial No. 580,120.
Slacks, Men's and boys'. Monroe Manufacturing Co., Inc. 444,313, Nov. 14, 1950. Republished Apr. 24.
Stockings. Wayne Knitting Mills. 372,647, Nov. 7, 1939. Republished Apr. 24.
Stockings, Women's and girls'. Fantashere, Inc. 541,513–14, Apr. 24; Serial Nos. 592,890–1, published Feb. 6, 1951.
Sweaters, Knitted. Lord Jeff Knitting Company, Incorporated. 541,458, Apr. 24; Serial No. 587,272, published Feb. 6, 1951.
Underwear. Knit and woven, hosiery, bathing-suits, and sweaters. Robert Reis & Co. 150,073, Dec. 27, 1921. New certificate. O. G. Apr. 24.
Underwear, Men's. D. Wise. 541,616, Apr. 24; Serial No. 586,998.
Union suits, combination suits, undershirts, etc., Men's, women's and children's. Superior Company, Inc. 541,322, Apr. 24; Serial No. 554,272, published Feb. 6, 1951.

CLASS 40

Hair pieces. Tresses of Hair, Inc. 541,598, Apr. 24; Serial No. 563,701.

CLASS 42

Curtains. Bartmann & Bixer, Inc. 335,521, June 9, 1936. Republished Apr. 24.
Linens, Household, and linen piece goods. S. H. Le Bell. 284,136, renewed June 16, 1951. O. G. Apr. 24.
Robes, Motor, foot muffs, blankets, etc. Brooks Brothers. 404,792, Dec. 21, 1943. Republished Apr. 24.

CLASS 46

Apples, Fresh. Yakima Fruit & Cold Storage Co. 541,432, Apr. 24; Serial No. 584,210, published Dec. 5, 1950.
Bacon rind, Pieces of. G. A. Darrow. 541,496, Apr. 24; Serial No. 591,152, published Feb. 6, 1951.
Bacon, Sliced. Valley Packing Company. 541,274, Apr. 24; Serial No. 537,955, published Feb. 6, 1951.
Bacon, Smoked, smoked pork shoulders, and smoked hams. Valley Packing Company. 541,266, Apr. 24; Serial No. 533,086, published Feb. 6, 1951.
Bakery products. Carr-Consolidated Biscuit Company. 541,264, Apr. 24; Serial No. 531,480, published Oct. 31, 1950.
Bananas, Frosted, chocolate-covered, on a stick. R. H. Spradlin. 541,415, Apr. 24; Serial No. 582,581, published Nov. 28, 1950.
Beans, Canned red kidney. C. G. Summers, Jr., Inc. 541,623, Apr. 24; Serial No. 590,626.
Bread. Public Baking Co., Inc. 541,493, Apr. 24; Serial No. 590,856, published Jan. 2, 1951.
Candies. Heller Candy Company, Inc. 541,504, Apr. 24; Serial No. 591,682, published Jan. 23, 1951.
Candies, Nut. P. Walter. 541,301, Apr. 24; Serial No. 547,881, published Dec. 12, 1950.
Candy. Paul F. Beich Co. 541,428, Apr. 24; Serial No. 583,981, published Nov. 28, 1950.
Candy. E. J. Brach & Sons. 541,308, Apr. 24; Serial No. 549,699, published Apr. 11, 1950.
Candy, Dorna Confectionery Co., Inc. 541,427, Apr. 24; Serial No. 583,918, published Oct. 31, 1950.
Candy. Elmer Candy Company. 541,383, Apr. 24; Serial No. 576,486, published Jan. 30, 1951.
Candy. Gold Medal Candy Corporation. 541,392, Apr. 24; Serial No. 579,813, published Oct. 31, 1950.
Candy. Miss Saylor's Chocolates, Inc. 541,508, Apr. 24; Serial No. 591,802, published Feb. 6, 1951.
Candy. E. G. Whitman & Co., Inc. 541,619, Apr. 24; Serial No. 587,408.
Canned and bottled pickles, olives, sauerkraut, etc. Acme Distributors. 541,302, Apr. 24; Serial No. 547,952, published July 5, 1949.
Canned and packaged coffee, bottled pure flavoring extracts, etc. Perloff Brothers, Inc. 541,430, Apr. 24; Serial No. 584,011, published Jan. 30, 1951.
Canned dog food. C. Miller. 541,436, Apr. 24; Serial No. 584,916, published Oct. 10, 1950.
Canned dog food. C. O. Sattinger. 284,342, renewed June 23, 1951. O. G. Apr. 24.
Canned evaporated milk. Midland Cooperative Dairy Association. 361,819, Nov. 1, 1938. Republished Apr. 24.
Canned field peas, canned sifted peas, canned turnip greens, etc. The Mississippi Valley Canning Co. 541,293, Apr. 24; Serial No. 542,329, published Nov. 28, 1950.
Canned fish. G. D. Boukouris. 541,364, Apr. 24; Serial No. 569,806, published Feb. 6, 1951.
Canned fish. A. H. Meyer. 541,379, Apr. 24; Serial No. 575,071, published Nov. 28, 1950.
Canned fish. Van Camp Sea Food Co., Inc. 280,182–3, renewed Feb. 10, 1951. O. G. Apr. 24.
Canned fish. A. Vogl. 541,419, Apr. 24; Serial No. 582,707, published Jan. 23, 1951.
Canned fresh oysters, and canned cooked shad fillets, etc. The Tilghman Packing Company. 541,331, Apr. 24; Serial No. 557,701, published Jan. 31, 1950.
Canned fruit juices; packaged gelatin, glass packed flavored gelatin dessert, etc. National Tea Co. 541,366, Apr. 24; Serial No. 570,062, published Feb. 6, 1951.
Canned fruits, berries, and vegetables. Blue Lake Packers, Inc. 541,334, Apr. 24; Serial No. 558,624, published Dec. 19, 1950.
Canned fruits, berries, and vegetables. Starr Fruit Products Co. 541,328, Apr. 24; Serial No. 557,078, published Jan. 16, 1951.
Canned fruits, canned vegetables, canned fish, etc. The East Asiatic Company, Inc. 541,486, Apr. 24; Serial No. 590,262, published Nov. 14, 1950.
Canned fruits, canned vegetables, fruit cocktail, etc. Shewach Brothers. 541,431, Apr. 24; Serial No. 584,157, published Nov. 28, 1950.
Canned fruits, dried fruits, canned vegetables, etc. Balfour, Guthrie & Company. 279,866, renewed Feb. 3, 1951. O. G. Apr. 24.
Canned gandules (pigeon peas). The Hills Brothers Company. 282,661, renewed Apr. 28, 1951. O. G. Apr. 24.
Canned grapes. Pacific Grape Products Company. 541,450, Apr. 24; Serial No. 586,252, published Oct. 3, 1950.
Canned meats. Amalgamated Meat Cutters and Butcher Workmen of North America. 541,583, Apr. 24; Serial No. 582,876, published Jan. 16, 1951.
Canned mushrooms. Delaware Mushroom Cooperative Association. 541,473, Apr. 24; Serial No. 588,482, published Dec. 12, 1950.
Canned peas. Fox Valley Canning Company. 541,586, Apr. 24; Serial No. 514,023.
Canned sardines. Bath Canning Company, Inc. 541,541, Apr. 24; Serial No. 594,944, published Feb. 6, 1951.
Canned sardines. Bath Canning Company, Inc. 541,542, Apr. 24; Serial No. 594,945, published Feb. 6, 1951.
Canned tomatoes with tomato paste, canned tomato paste and canned olive oil. Moschetti Bros. 541,544, Apr. 24; Serial No. 595,116, published Jan. 23, 1951.
Canned tuna fish and canned sardines. Southern California Fish Co. 125,525, May 20, 1919. Republished Apr. 24.
Canned vegetables. Theo. H. Davies & Co. Ltd. 280,185, renewed Feb. 10, 1951. O. G. Apr. 24.
Canned vegetables. Lakeside Packing Company. 541,324, Apr. 24; Serial No. 554,502, published Feb. 6, 1951.
Canned vegetables. Steele Canning Company. 541,543, Apr. 24; Serial No. 595,010, published Jan. 23, 1951.
Canned vegetables and canned apple sauce. Taylor & Sledd, Inc. 541,451, Apr. 24; Serial No. 586,666, published Nov. 28, 1950.
Cantaloupe, Fresh. Stanley Fruit Company. 541,275, Apr. 24; Serial No. 538,464, published Nov. 14, 1950.
Caviar in tins and jars. Vita Food Products, Inc. 541,305, Apr. 24; Serial No. 548,888, published Nov. 28, 1950.
Cereal breakfast foods. Van Brode Milling Co., Inc. 541,510, Apr. 24; Serial No. 592,122, published Feb. 6, 1951.
Cheese. Fisher Dairy & Cheese Co. 541,601, Apr. 24; Serial No. 568,502.
Cheese. August C. Kirchhoff & Co. 541,515, Apr. 24; Serial No. 592,913, published Jan. 16, 1951.
Cheese. E. Pedersen. 541,488, Apr. 24; Serial No. 590,385, published Jan. 2, 1951.
Chewing gum. American Chewing Products Corp. 541,502, Apr. 24; Serial No. 591,539, published Jan. 23, 1951.
Citrus fruits, fresh avocados, etc., Gift packages consisting of: fresh. J. Williams, Jr. 541,296, Apr. 24; Serial No. 543,675, published Oct. 31, 1950.
Coconut, Shredded. Far Eastern Manufacturing Company. 541,263, Apr. 24; Serial No. 531,321, published Dec. 19, 1950.
Coffee. Consolidated Grocers Corporation. 541,373, Apr. 24; Serial No. 572,638, published Jan. 16, 1951.
Confection. M. Fenster. 541,376, Apr. 24; Serial No. 574,027, published Jan. 30, 1951.

Confection, Candied pop corn. Chocolate Pop Corn Co. 541,499, Apr. 24; Serial No. 591,281, published Jan. 23, 1951.
Confections, Frozen. Joe Lowe Corporation. 541,381, Apr. 24; Serial No. 575,359, published Oct. 3, 1950.
Corn product, Processed. J. R. Short Milling Company. 281,822, renewed Mar. 31, 1951. O. G. Apr. 24.
Corn puffs. Devonsheer Melba Corporation. 541,439, Apr. 24; Serial No. 585,272, published Nov. 14, 1950.
Cranberries, Fresh and frozen. Cranberry Growers, Inc. 541,358, Apr. 24; Serial No. 567,856, published Oct. 3, 1950.
Desserts. Creamola Food Products, Ltd. 541,354, Apr. 24; Serial No. 567,188, published Nov. 14, 1950.
Edible glyceryl ester of a fatty acid incorporated into baked products. Dominion Products, Inc. 541,604, Apr. 24; Serial No. 578,011.
Feed for live stock. Charleston Milling Company. 541,461, Apr. 24; Serial No. 587,533, published Nov. 28, 1950.
Feed, Mineral. Moorman Manufacturing Company. 541,394–5, Apr 24; Serial Nos. 580,086–7, published Dec. 19, 1950.
Feed, Stock. Abilene Alfalfa Sales Company. 541,344, Apr. 24; Serial No. 563,231, published Nov. 28, 1950.
Feed supplement, Poultry. E. L. M. Stores. 541,425, Apr. 24; Serial No. 583,593, published Jan. 2, 1951.
Feeds, Animal. Perk Foods Co. 541,352, Apr. 24; Serial No. 566,544, published Dec. 12, 1950.
Feeds for livestock. Maritime Milling Co. Inc. 444,477, Apr. 24; Serial No. 514,765, published Dec. 12, 1950.
Feeds, Stock and poultry. Bewley Mills. 541,353, Apr. 24; Serial No. 567,130, published Nov. 28, 1950.
Fish. Amalgamated Meat Cutters and Butcher Workmen of North America. 541,584, Apr. 24; Serial No. 582,877, published Jan. 16, 1951.
Fish, Flaked, and table syrups. Fred Fear & Co. 280,860, renewed Mar. 3, 1951. O. G. Apr. 24.
Fish, Fresh. M. E. McDonald. 541,613, Apr. 24; Serial No. 585,180.
Fish, Frozen, and frozen shellfish. Sea Pantry Co. 541,475, Apr. 24; Serial No. 589,173, published Feb. 6, 1951.
Flour, Cake. Sperry Flour Company. 207,922, Jan. 12, 1926. Restricted. O. G. Apr. 24.
Flour, Wheat. Bewley Mills. 541,306, Apr. 24; Serial No. 549,495, published Feb. 6, 1951.
Flour, Wheat. Bilish Milling Company. 541,292, Apr. 24; Serial No. 541,640, published Dec. 26, 1950.
Flour, Wheat. The Colorado Milling & Elevator Co. 541,316, Apr. 24; Serial No. 551,533, published Jan. 30, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 541,318, Apr. 24; Serial No. 551,856, published Jan. 9, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 541,319, Apr. 24; Serial No. 551,857, published Dec. 26, 1950.
Flour, Wheat. The Colorado Milling & Elevator Co. 541,323, Apr. 24; Serial No. 554,298, published Jan. 2, 1951.
Flour, Wheat. Flour Mills of America, Inc. 541,283, Apr. 24; Serial No. 552,547, published Nov. 7, 1950.
Flour, Wheat. Flour Mills of America, Inc. 541,285, Apr. 24; Serial No. 553,598, published Jan. 16, 1951.
Flour, Wheat. Flour Mills of America, Inc. 541,286–8, Apr. 24; Serial Nos. 553,601–3, published Jan. 2, 1951.
Flour, Wheat. International Milling Company. 541,466, Apr. 24; Serial No. 587,872, published Jan. 23, 1951.
Flour, Wheat. International Milling Company. 541,490, Apr. 24; Serial No. 590,506, published Jan. 16, 1951.
Flour, Wheat. International Milling Company. 541,501, Apr. 24; Serial No. 591,483, published Dec. 19, 1950.
Flour, Wheat. Lone Star Elevators. 541,338, Apr. 24; Serial No. 561,007, published Nov. 7, 1950.
Flour, Wheat, stock feeds; poultry feeds. Bewley Mills. 541,307, Apr. 24; Serial No. 549,496, published Feb. 6, 1951.
Food colors. Sterwin Chemicals Inc. 541,517, Apr. 24; Serial No. 593,145, published Jan. 23, 1951.
Food, Dog. The Quaker Oats Company. 541,343, Apr. 24; Serial No. 562,956, published Jan. 9, 1951.
Food product. Mead Johnson & Company. 541,485, Apr. 24; Serial No. 590,172, published Nov. 14, 1950.
Fruit concentrate. Neil Products Inc. 541,321, Apr. 24; Serial No. 554,142, published Dec. 26, 1950.
Fruits and nuts, etc., Crushed and whole. Richardson Corporation. 541,265, Apr. 24; Serial No. 532,754, published Nov. 28, 1950.
Fruits, Fresh and canned citrus, canned citrus fruit juices, etc. Holly Hill Fruit Products, Incorporated. 541,261, Apr. 24; Serial No. 525,327, published Dec. 5, 1950.
Fruits, Fresh citrus. Florida Citrus Exchange. 541,341, Apr. 24; Serial No. 562,772, published Dec. 12, 1950.
Fruits, Fresh citrus. Haines City Citrus Growers Association. 541,522, Apr. 24; Serial No. 593,539, published Jan. 23, 1951.
Fruits, Fresh citrus. Monte Vista Citrus Association. 541,591, Apr. 24; Serial No. 538,156.
Fruits, Fresh deciduous. California Fruit Exchange. 279,868, renewed Feb. 3, 1951 O. G. Apr. 24.
Fruits, Fresh deciduous. Simons & French Company, Incorporated. 541,262, Apr. 24; Serial No. 526,307, published Nov. 14, 1950.
Fruits, Fresh deciduous and citrus, canned, frozen deciduous and citrus fruits, etc. Keerdijk Producten Maatschappij C. V. 541,269, Apr. 24; Serial No. 534,149, published Nov. 28, 1950.
Grapes, Fresh. Di Giorgio Fruit Corporation. 541,452, Apr. 24; Serial No. 586,732, published Feb. 6, 1951.
Grapes, Fresh, and fresh pears. Di Giorgio Fruit Corporation. 541,454, Apr. 24; Serial No. 586,734, published Jan. 16, 1951.
Grapes, Fresh, fresh vegetables and fresh melons. W. Thornburg. 541,424, Apr. 24; Serial No. 583,567, published Oct. 3, 1950.
Hamburger sandwiches. H. Akin. 541,617, Apr. 24; Serial No. 587,156.
Honey. Sioux Honey Association, Cooperative. 541,443, Apr. 24; Serial No. 585,487, published Oct. 3, 1950.
Honey. Superior Honey Company. 541,259, Apr. 24; Serial No. 523,110, published Jan. 16, 1951.
Ice cream bar, Coated. Eskimo Pie Corporation. 541,385, Apr. 24; Serial No. 577,116, published Nov. 14, 1950.
Ingredients to be used in poultry feeds. The Fox Company. 541,470, Apr. 24; Serial No. 588,170, published Jan. 2, 1951.
Lard. The Rath Packing Company. 541,276, Apr. 24; Serial No. 539,757, published Dec. 12, 1950.
Lettuce, Fresh. W. & S. Packing Company. 541,595, Apr. 24; Serial No. 544,944.
Liver paste mix. Sell's Specialties, Inc. 541,474, Apr. 24; Serial No. 588,815, published Dec. 5, 1950.
Macaroni, spaghetti, egg noodles, etc. Delmonico Foods, Inc. 541,258, Apr. 24; Serial No. 509,503, published Jan. 2, 1951.
Meat and meat product curing and preserving compounds. Fearn Laboratories, Inc. 541,370, Apr. 24; Serial No. 570,953, published Feb. 6, 1951.
Meat, Potted, and Vienna sausage. Netlec Packing Company. 541,464, Apr. 24; Serial No. 587,814, published Nov. 28, 1950.
Milk, Fresh. Brook Hill Farms, Inc. 541,384, Apr. 24; Serial No. 576,844, published Nov. 21, 1950.
Milk, Fresh, fresh cream, buttermilk, chocolate flavored milk, etc. Dellwood Dairy Co., Inc. 541,330, Apr. 24; Serial No. 557,508, published Nov. 28, 1950.
Noodles, Egg. Rex Macaroni Products Co., Inc. 541,615, Apr. 24; Serial No. 586,312.
Oil, Cotton-seed, for salads and cooking. The Southern Cotton Oil Company. 541,442, Apr. 24; Serial No. 585,460, published Nov. 14, 1950.
Onions, Pickled. St. Joe Valley Brands. 541,608, Apr. 24; Serial No. 582,741.
Oranges. Haines City Citrus Growers Association. 81,991, re-renewed May 23, 1951. O. G. Apr. 24.
Oranges, Fresh. Placentia Orchard Company. 541,349, Apr. 24; Serial No. 565,453, published Jan. 2, 1951.
Pancake mix and buckwheat pancake mix. Little Crow Milling Company, Inc. 541,281, Apr. 24; Serial No. 552,250, published Oct. 10, 1950.
Pears, Fresh. Di Giorgio Fruit Corporation. 541,453, Apr. 24; Serial No. 586,733, published Feb. 6, 1951.
Pickles, Dill, sweet mixed, pickles, etc. M. Efron. 541,389, Apr. 24; Serial No. 579,311, published Feb. 6, 1951.
Pickles, Sweet, dill pickles, pickled peppers, etc. St. Joe Valley Brands. 541,607, Apr. 24; Serial No. 582,740.
Pies. Phoenix Pie Company. 541,622, Apr. 24; Serial No. 589,938.
Pork roll, Smoked. Smoked Pork Roll, Inc. 541,279–80, Apr. 24; Serial Nos. 552,172–3, published Nov. 7, 1950.
Powered product for flavoring and seasoning food. Ve-Bo Product Co. 541,600, Apr. 24; Serial No. 565,738.
Preserves, Fruit, jams and jellies, etc. Kern Food Products, Inc. 541,315, Apr. 24; Serial No. 550,810, published Nov. 21, 1950.
Salad dressing and remoulade sauce. Famous French. 541,290, Apr. 24; Serial No. 546,843, published Nov. 28, 1950.
Salt. The Carey Salt Company. 541,271, Apr. 24; Serial No. 537,145, published Jan. 16, 1951.
Sandwiches. J. H. Fleener. 541,524, Apr. 24; Serial No. 593,847, published Feb. 6, 1951.
Sandwiches, Peanut butter. Schindler's Peanut Products, Inc. 541,297, Apr. 24; Serial No. 544,205, published Dec. 19, 1950.
Sauce, Barbeque hot. H. Abrahamsen. 541,335, Apr. 24; Serial No. 559,984, published Jan. 2, 1950.
Sausage. Amalgamated Meat Cutters and Butcher Workmen of North America. 541,585, Apr. 24; Serial No. 582,880, published Jan. 16, 1951.
Sausage. Armour and Company. 541,313, Apr. 24; Serial No. 550,771, published Dec. 12, 1950.
Sausage, Pork. Armour and Company. 541,314, Apr. 24; Serial No. 550,772, published Dec. 12, 1950.
Seafoods, Frozen. Coldwater Seafood Corporation. 541,590, Apr. 24; Serial No. 532,691.
Shortening oleomargarine. The Capital City Products Company. 352,295, Nov. 23, 1937. Republished Apr. 24.
Shortening, Vegetable. Swift & Company. 541,471, Apr. 24; Serial No. 588,332, published Jan. 2, 1951.

Spices; canned corn; canned beans with pork, etc. The Great Atlantic and Pacific Tea Company. 541,317, Apr. 24; Serial No. 551,708, published Nov. 28, 1950.
Spices, Whole, ground spices, seeds, etc. McCormick & Company, Inc. 541,469, Apr. 24; Serial No. 588,037, published Dec. 12, 1950.
Strawberries, Fresh. Central California Berry Growers Association. 541,440, Apr. 24; Serial No. 585,313, published Nov. 21, 1950.
Syrup for food purposes. Corn Products Refining Company. 541,336, Apr. 24; Serial No. 560,189, published Nov. 7, 1950.
Syrup, Inverted cane sugar. Atlantic Syrup Refining Corporation. 541,298, Apr. 24; Serial No. 546,164, published Jan. 2, 1951.
Syrup, Table. The Torbitt & Castleman Company. 541,272, Apr. 24; Serial No. 537,839, published Nov. 21, 1950.
Syrup, Table. The Torbitt & Castleman Company. 541,273, Apr. 24; Serial No. 537,842, published Nov. 21, 1950.
Tea. E. Yoshimoto. 541,371, Apr. 24; Serial No. 572,229, published Mar. 14, 1950.
Vegetables, Fresh. M. Boris. 541,526, Apr. 24; Serial No. 594,096, published Jan. 30, 1951.
Vegetables, Fresh. R. E. Herring & Son. 541,533, Apr. 24; Serial No. 594,458, published Jan. 30, 1951.
Vegetables, Fresh. O. R. Recker. 401,357, May 11, 1943. Republished Apr. 24.
Vegetables, Fresh. E. Wong. 541,592, Apr. 24; Serial No. 540,508.
Vegetables, Fresh, and fresh tomatoes. R. E. Herring & Son. 541,534, Apr. 24; Serial No. 594,459, published Jan. 30, 1951.
Yeast. Anheuser-Busch, Inc. 283,985, renewed June 9, 1951. O. G. Apr. 24.

CLASS 49

Gin. The Wilson Distilling Co., Inc. 313,197, May 22, 1934. Republished Apr. 24.
Whiskey. Distillers Corporation Limited. 300,206, Jan. 10, 1933. Republished Apr. 24.
Whiskey. Gallagher & Burton, Inc. 394,656, Apr. 21, 1942. Republished Apr. 24.
Whiskey. Maryland Distillery, Incorporated. 315,235, July 24, 1934. Republished Apr. 24.

CLASS 50

Hangers, Trouser, skirt, coat, gown and suit. Hincher Manufacturing Company of Indiana. 157,099, July 25, 1922. Republished Apr. 24.

CLASS 51

Deodorant, Perspiration. Jean Jordeau, Inc. 175,011, Oct. 30, 1923. Republished Apr. 24.
Depilatory. Nu-Art Laboratories Inc. 206,839, Dec. 8, 1925. Republished Apr. 24.
Eau de cologne and perfume. J. L. Sinykin. 396,597, July 28, 1942. Amended. O. G. Apr. 24. (Formerly in Class 6.)
Hair dressing. L. B. Duncan. 541,386, Apr. 24; Serial No. 577,874, published Jan. 30, 1951.
Hair-eradicator. B. E. Levy. 88,502, Sept. 24, 1912. Republished Apr. 24.
Lotion, After-shaving, and hand lotion. The F. W. Fitch Co. 283,876, renewed June 9, 1951. O. G. Apr. 24.
Lotion, Hand. A. L. Pearce. 541,489, Apr. 24; Serial No. 590,452, published Jan. 30, 1951.
Nail white, shampoo, hair oil, etc. B. Culver. 335,421, June 2, 1936. Republished Apr. 24.
Petroleum or mineral jelly. W. D. Ellis. 36,562, renewed June 11, 1951. O. G. Apr. 24.
Skin cream. M. F. Masciet. 541,326, Apr. 24; Serial No. 555,760, published May 16, 1950.
Toilet preparations. G. D. Hofe. 139,815, Feb. 22, 1921. Republished Apr. 24.
Toilet preparations, perfumery, and cosmetics. Les Parfums de Dana, Inc. 541,558, Apr. 24; Serial No. 598,084, published Jan. 23, 1951.
Tooth powder, Antiseptic, and ammoniated wafers. Purex Products, Inc. 541,390, Apr. 24; Serial No. 579,556, published Jan. 16, 1951.

CLASS 52

Detergent compositions. E. F. Drew & Co., Inc. 541,594, Apr. 24; Serial No. 542,548.

CLASS 100

Services to the members of the association. National Rifle Association of America. 541,576, Apr. 24; Serial No. 528,300, published Jan. 30, 1951.

CLASS 102

Banking services. The National City Bank of New York. 541,580, Apr. 24; Serial No. 587,393, published Jan. 30, 1951.
Financing services, Credit. The First National Bank and Trust Company of Bridgeport. 541,578, Apr. 24; Serial No. 562,553, published Apr. 25, 1950.

CLASS 103

Weaving and mending garments. Wonder Weavers. 541,575, Apr. 24; Serial No. 526,721, published Jan. 30, 1951.

CLASS 104

Radio program broadcasting. C. E. Haymond. 541,577, Apr. 24; Serial No. 535,524, published Jan. 30, 1951.

CLASS 105

Air transportation of persons, property, and mail. Transcontinental & Western Air, Inc. 541,582, Apr. 24; Serial No. 594,298, published Jan. 30, 1951.

CLASS 106

Electro-plating. Auto City Plating Co. 541,581, Apr. 24; Serial No. 588,784, published Jan. 16, 1951.

CLASS 107

Professional teaching of playing of musical instruments. Miller-Dowd Music Company. 541,579, Apr. 24; Serial No. 563,271, published Jan. 30, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Berl, Ernst, deceased, by W. G. Berl, executor, Pittsburgh, Pa. Extracting oil from the earth. Re. 23,360, Apr. 24.
Berl, Walter G., executor: *See*— Berl, Ernst.
Hall, Cortice H., Jackson, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Overload release mechanism. Re. 23,361, Apr. 24.
Timken-Detroit Axle Company, The, assignee: *See*— Hall, Cortice H.

LIST OF DESIGN PATENTEES

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combined television and radio-phonograph cabinet. 163,014, Apr. 24.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet. 163,015, Apr. 24.
Admiral Corporation, assignee: *See*— Adler, Samuel E.
Air-Way Electric Appliance Corporation, assignee: *See*— Florian, Gordon W.
Aitken, Roy, Glasgow, Scotland. Chamber pot. 163,016, Apr. 24.
Atlanta Paper Company, assignee: *See*— Forrer, Homer W.
Beer-Stern Company, Inc., assignee: *See*— Stern, Herman.
Berkeley Industries, assignee: *See*— Leebow, Albert.
Binger, Fred W., assignee: *See*— Blancheri, Louis C.
Blancheri, Louis C., Alhambra, assignor of one-half to F. W. Binger, Los Angeles, Calif. Pie plate. 163,017, Apr. 24.
Bolten, John, Sr., Andover, Mass. Film material or like flat surface material. 163,018, Apr. 24.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Shoe or similar article. 163,019, Apr. 24.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Shoe or similar article. 163,020, Apr. 24.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Shoe or similar article. 163,021, Apr. 24.
Brooks, Donald W., Oradell, N. J. Toy sword. 163,022, Apr. 24.
Byers, Gordon L., assignee, trustee: *See*— Robbins, Robert L., Jr.
Cassel, Kathy R., Chicago, Ill. Tie clasp or similar article. 163,023, Apr. 24.
Chernow, Michael, New York, N. Y. Jewelry pendant or similar article. 163,024, Apr. 24.
Chudner, David, Los Angeles, Calif. Lazy Susan or the like. 163,025, Apr. 24.
Ciccone, Silvester, and E. L. King, Jr., Norfolk, Va. Dancing doll or the like. 163,026, Apr. 24.
Cobblers Incorporated, assignee: *See*— Braun, Walter.
Colson, Clem B., Los Angeles, Calif. Bed leg. 163,027, Apr. 24.
Crest Silver Mfg. Co. Inc., assignee: *See*— Shatkin, Rubin.
Dial-Writer Company, The, assignee: *See*— Hertz, Henry C.
Donaldson, James E., Chicago, Ill. Stirring and beating spoon. 163,028, Apr. 24.
Edgar Fabrics, Inc., assignee: *See*— Meek, William J.
Erickson, Charlotte: *See*— Erickson, Lennart G. and C.
Erickson, Lennart G. and C., Hillsborough, Calif. Table or similar article. 163,029, Apr. 24.
Fiala, Joseph R., Berwyn, Ill. Stamp gauge. 163,030, Apr. 24.
Florian, Gordon W., Bridgeport, Conn., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Base for electric drink mixer. 163,031, Apr. 24.
Forman, Ben & Sons, Inc., assignee: *See*— Forman, Howard L.
Forman, Howard L., Belle Harbor, assignor to Ben Forman & Sons, Inc., New York, N. Y. Tray or similar article. 163,032, Apr. 24.
Forrer, Homer W., Atlanta, Ga., assignor to Atlanta Paper Company. Bottle carrier. 163,033, Apr. 24.
Gibson Refrigerator Company, assignee: *See*— Janes, Richard B. Stevens, Clifford B., and Hughes.
Goff, Warren, Philadelphia, Pa. Stocking. 163,034, Apr. 24.
Goldberg, Maynard E., assignor to Laboratory Industries, Inc., Elmwood Park, Ill. Laboratory clamp. 163,035, Apr. 24.
Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 163,036, Apr. 24.
Hardy, William H., River Edge, N. J. Handbag. 163,037, Apr. 24.
Haskell, Edward F., New York, N. Y. Cake of soap. 163,038, Apr. 24.
Hertz, Henry C., Jackson, Mich., assignor to The Dial-Writer Company. Toy typewriter. 163,039, Apr. 24.
Higier, Ross H., Johnstown, N. Y. Glove. 163,040, Apr. 24.
Higier, Ross H., Johnstown, N. Y. Glove. 163,041, Apr. 24.
Higier, Ross H., Johnstown, N. Y. Glove. 163,042, Apr. 24.
Higier, Ross H., Johnstown, N. Y. Glove. 163,043, Apr. 24.
Hoek, Leo A., Los Angeles, Calif. Cutlery sharpener. 163,044, Apr. 24.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 163,045, Apr. 24.
Hughes, John, Jr.: *See*— Stevens, Clifford B., and Hughes.
Hughes, Roland T., Oak Park, Ill. Floor lamp or similar article. 163,046, Apr. 24.
Janes, Richard B., Baldwin Lake, assignor to Gibson Refrigerator Company, Greenville, Mich. Butter container. 163,047, Apr. 24.
Kahn, Julian S., Brooklyn, N. Y. Needle threader. 163,048, Apr. 24.
King, Elmer L., Jr.: *See*— Ciccone, Silvester, and King.
Kisling, Jacob W., St. Louis County, Mo. Air circulator unit. 163,049, Apr. 24.
Laboratory Industries, Inc., assignee: *See*— Goldberg, Maynard E.
Lawson, William E., Sr.: *See*— Meyer, Hugo B., and Lawson.
Leebow, Albert, East Rockaway, N. Y., assignor to Berkeley Industries, Jersey City, N. J. Trousers rack or similar article. 163,050, Apr. 24.
Leeds, Joseph H., New York, N. Y. Portable radiant heater. 163,051, Apr. 24.
Levi, Melvin H., Long Island, N. Y. Carafe. 163,052, Apr. 24.
Lux, Frederick, Middlebury, Conn. Alarm clock. 163,053, Apr. 24.
MacDonald, Roderick J., Roselle, N. J. Combination ash tray and match book holder. 163,054, Apr. 24.
Manchester Silver Company, Inc., assignee: *See*— McAlpine, Edward B.
Maxant, Richard C., Ayer, Mass. Swatch cutting machine or the like. 163,055, Apr. 24.
McAlpine, Edward B., Cranston, R. I., assignor to Manchester Silver Company, Inc. Spoon or similar article. 163,056, Apr. 24.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,057, Apr. 24.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,058, Apr. 24.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,059, Apr. 24.

Meek, William J., New City, assignor to Edgar Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 163,060, Apr. 24.
Meyer, Hugo B., Summit, and W. E. Lawson, Sr., Rahway, assignors to U. S. Fiber & Plastics Corp., Stirling, N. J. Inflatable toy horse. 163,061, Apr. 24.
Moore Special Tool Co., Inc., assignee: *See*—
Victory, Frederick C.
Morrison, Simon, New York, N. Y. Pocketbook or similar article. 163,062, Apr. 24.
Motor Products Corporation, assignee: *See*—
Whitmore, Harland W.
Onondaga Pottery Company, assignee: *See*—
McKaig, Charles H.
Perkins, Samuel F., Jr., Washington, D. C. Cosmetic cream jar. 163,063, Apr. 24.
Pouliot, Paul, Montreal, Quebec, Canada. Pocket lighter. 163,064, Apr. 24.
Powell, La Von L., Denver, Colo. Child's push vehicle. 163,065, Apr. 24.
Quaker Lace Company, assignee: *See*—
Hooven, Howard.
Raulston, James L., South Pittsburg, Tenn. Cabinet type radiant heater. 163,066, Apr. 24.
Redmond, Mabel C., San Francisco, Calif. Ring or similar article. 163,067, Apr. 24.
Robbins, Robert L., Jr., Berkeley, Calif., assignor to G. L. Byers, as trustee. Game board. 163,068, Apr. 24.
Roberts, Grant W., Bedford, Va. Bottle holder. 163,069, Apr. 24.
Rubber Corporation of California, The, assignee: *See*—
Schrage, Henry N.
Sawchuk, Michael C., Toronto, Ontario, Canada. Dispenser. 163,070, Apr. 24.
Schrage, Henry N., Los Angeles, assignor to The Rubber Corporation of California, Garden Grove, Calif. Shoe sole. 163,071, Apr. 24.
Scott, George Q., Shawnee, Okla. Condiment dispenser. 163,072, Apr. 24.
Shatkin, Rubin, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Coaster or the like. 163,073, Apr. 24.
Stern, Herman, assignor to Beer-Stern Company, Inc., New York, N. Y. Embroidered trimming or similar article. 163,074, Apr. 24.
Stevens, Clifford B., Fox Point, and J. Hughes, Jr., Whitefish Bay, Wis., assignors to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 163,075, Apr. 24.
U. S. Fiber & Plastics Corp., assignee: *See*—
Meyer, Hugo B., and Lawson.
Victory, Frederick C., Milford, assignor to Moore Special Tool Co., Inc., Bridgeport, Conn. Jig grinder. 163,076, Apr. 24.
Weiszberg, Emanual, New York, N. Y. Container for a phylactery or similar article. 163,077, Apr. 24.
White, Loretta B., Evanston, Ill. Combination spectacle and coin case. 163,078, Apr. 24.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Home freezer cabinet. 163,079, Apr. 24.
Wilson, William Y., Western Springs, Ill. Drinking glass. 163,080, Apr. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Young, Howard H., Loper, and Fields.
Accounting Forms, Inc., assignee: *See*—
Rickel, Arthur J.
Ackermann, Franz, Binningen, assignor to Ciba Limited, Basel, Switzerland. Amino derivatives and making same. 2,550,321, Apr. 24.
Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B.
Adams, Edwin G., The Dalles, Oreg. Dial for gauges. 2,550,033, Apr. 24.
Adams, George K., Norfolk, Va. Aerodynamic flap balance and auxiliary airfoil. 2,549,760, Apr. 24.
Adams, Robert T., Chatham, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Low noise intermediate-frequency amplifier. 2,549,761, Apr. 24.
Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of unsaturated organic compounds. 2,550,439, Apr. 24.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Banigan, Thomas F., Jr., Meeks, and Planck.
Montgomery, Edna M., and Weakley.
Willits, Charles O., and Porter.
Agricura Laboratoria Limited, assignee: *See*—
De Waal, Hermanus L.
Air Controls, Inc., assignee: *See*—
Schwarz, Gerald L.
Aircraft-Marine Products Inc., assignee:
Vickery, John R.
Aktiebolaget Bofors, assignee: *See*—
Sahlin, Börje, and Jansson.
Aktiebolaget Bolinder-Munktell, assignee: *See*—
Evrell, Kaleb E.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Wideröe, Rolf.
Alexander, Edward E.: *See*—
Riegel, Glen C., Alexander, and Lenz.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System for reproducing positions. 2,550,514, Apr. 24.
All American Airways, Inc., assignee: *See*—
Cotton, Robert B.
Allan, George W., San Lorenzo, Calif. Bookkeeping machine. 2,550,133, Apr. 24.
Allbert, Eugene F., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating generator control system. 2,550,104, Apr. 24.
Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Nursing outfit. 2,550,034, Apr. 24.
Allen, Arthur N., Jr., East Windsor Hill, assignor to United Aircraft Corporation, East Hartford, Conn. Sealing means for the work chambers in oscillating vane type fluid motors. 2,550,180, Apr. 24.
Allen, Ethan T., Gardena, Calif. Retrievable drilling bit. 2,550,035, Apr. 24.
Allied Chemical & Dye Corporation, assignee: *See*—
Vingee, Raymond A.
Allison, Kenneth C., Crystal Lake, assignor to Grigsby-Allison Co. Inc., Chicago, Ill. Electric switch construction. 2,549,998, Apr. 24.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Lamm, Uno, and Böckman.
Uhlmann, Erich, and Hansen.
American Can Company, assignee: *See*—
Heinle, Carl W., and Nordquist.
American Car and Foundry Company, assignee: *See*—
Kuhler, Otto A.
Mikulak, John, Sober, and Sult.
American Cyanamid Company, assignee: *See*—
Dawson, William O.
Drechsel, Erhart K., and Padbury.
American Engineering Company, assignee: *See*—
Bennett, Joseph S., and Thorson.
American Machine and Metal, Inc., assignee: *See*—
Strohm, Charles.
American Optical Company, assignee: *See*—
Pride, Gilbert E., Osterberg, and Jupnik.
American Pulley Company, The, assignee: *See*—
Williams, William A.
American Seating Company, assignee: *See*—
Hoven, Alfred C.
American Viscose Corporation, assignee: *See*—
Chaney, David W.
Lytton, Marion R.
Amore, Leo J., assignor to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet construction. 2,549,879, Apr. 24.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Gas compressor. 2,550,515, Apr. 24.
Anderson, V. D., Company, The, assignee: *See*—
Zies, Carl W., and Weigel.
Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Corn harvester having detachable husking means. 2,549,999, Apr. 24.
Arco Company, The, assignee: *See*—:
Bobalek, Edward G.
Armenti, James, Maplewood, N. J. Sewing machine. 2,550,322, Apr. 24.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Haloski, Walter J.
Arnold, Orlan M., Grosse Pointe Park, Mich. Producing a plastic composition from waste nylon fibers. 2,550,650, Apr. 24.
Arnot & Company, Inc., assignee: *See*—
Reed, Stanley F.
Ashman, Joseph L., Indianapolis, Ind. Instrument panel clamping bracket for adjusting automobile trays. 2,549,753, Apr. 24.
Associated Paper Converting Corporation, assignee: *See*—
Reiss, Irwin A.
Atkisson, William H., Monrovia, Calif. Take-up device. 2,550,440, Apr. 24.
Atlantic Refining Company, The, assignee: *See*—
Clapetta, Frank G.
Hersberger, Arthur B.
Autocar Company, The, assignee: *See*—
Crookston, James J.
Automatic Electric Laboratories, Inc., assignee: *See*—
Graybill, Kenneth W., and Sengebusch.
Taylor, Reginald, and Baker.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Baker, George T.
Terroni, Teseo B. D., and Parker.
Autophon Aktiengesellschaft, assignee: *See*—
Zschokke, Diethelm.
Avakian, Souren: *See*—
Martin, Gustav J., and Avakian.
Ayoub, Solomon M., Ansonia, Conn. Window shade fixture. 2,550,214, Apr. 24.
Babcock & Wilcox Company, The, assignee: *See*—
Hardgrove, Ralph M.
Harter, Isaac.
Mosier, Edwin K., and Gilg.
Bachmann Uxbridge Worsted Corporation, assignee: *See*—
Jasmin, Wilfred G., and Herlihy.
Back, Leonard, Middletown, Ohio, assignor to The Interstate Folding Box Company. Mechanism for sealing cartons. 2,550,516, Apr. 24.
Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Wringable mop construction. 2,550,397, Apr. 24.
Bailey Meter Company, assignee: *See*—
Johnson, Clarence.
Baker, George T.: *See*—
Taylor, Reginald, and Baker.
Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Line identification system. 2,550,181, Apr. 24.
Baker, Leslie C., and J. F. Haines, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Apparatus for manufacturing tubulated bulbs from glass tubing. 2,549,762, Apr. 24.
Balassa, Ladislaus, Riverside, and N. C. Spencer, Newport, R. I., assignors to The United States Finishing Company, Norwich, Conn. Flame resistant fabric. 2,550,134, Apr. 24.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Capuzzi, Edmund C.
Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Flexible connection. 2,550,517, Apr. 24.

Banigan, Thomas F., Jr., J. W. Meeks, Salinas, Calif., and R. W. Planck, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Isolating betaine from guayule extract. 2,549,763, Apr. 24.

Bantar, Incorporated, assignee: *See*—
McBride, John W.

Barber-Colman Company, assignee: *See*—
Brainerd, George M., and Vachon, Lilja, Edgar D., and Hall.

Bardeen, John: *See*—
Mouzon, James C., Lamar, and Bardeen.

Bardet, Jacques J., assignor, by mesne assignments, to Prosills, Paris, France. Treating mica and composition. 2,549,880, Apr. 24.

Barling, Leslie C., Johannesburg, Transvaal, Union of South Africa. Automatic valve. 2,550,441, Apr. 24.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of impedance of semiconductor amplifier circuits. 2,550,518, Apr. 24.

Barol, Alfred, assignor to Wyeth Incorporated, Philadelphia, Pa. Antibiotic compositions. 2,550,398, Apr. 24.

Bartels, Arnold H., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse generator. 2,549,764, Apr. 24.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber composition, vulcanizing same, and resulting product. 2,550,182, Apr. 24.

Basilewsky, Alexis: *See*—
De Prez, Charles, and Basilewsky.

Bataille, Roger, Montmorency, assignor to Societe Francaise des Telecommunications, Neuilly-sur-Seine, France. Radio transmitter-receiver station with automatic frequency control. 2,550,519, Apr. 24.

Battelle Development Corporation, assignee: *See*—
Faust, Charles L.

Bay State Optical Company, assignee: *See*—
Hansen, Julius E.

Beach, Paul P., deceased, Berwyn, Md.; C. Craig, administratrix, assignor of one-third to C. W. Gelb, Bergen County, N. J., and one-third to R. C. Gelb, Jr., Fairfax County, Va. Poultry feeder. 2,550,215, Apr. 24.

Beautymaster, Inc., assignee: *See*—
Maners, David F.

Bechler, André, Moutier, Switzerland. Split collet chuck. 2,550,036, Apr. 24.

Beck, Roland A., Glenham, E. E. Sensel, and A. J. Millendorf, Beacon, assignors to The Texas Company, New York, N. Y. Preparation and use of synthesis catalysts. 2,550,442, Apr. 24.

Becker, Milton, Passaic, N. J. Billfold closure device. 2,550,216, Apr. 24.

Becton, Dickinson and Company, assignee: *See*—
Ferguson, Garwood W.

Beesch, Samuel C., and D. A. Legg, assignors to Publicker Industries Inc., Philadelphia, Pa. Production of lower aliphatic acids by fermentation. 2,549,765, Apr. 24.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Barney, Harold L.
Murphy, Richard P.
Pfleger, Kenneth W.
Rehm, Theodore C.
Schenck, Alfred K.
Willard, Gerald W.

Belmont Radio Corporation, assignee: *See*—
Rankin, John A.

Beloit Iron Works, assignee: *See*—
Goodwillie, John E.

Bemis Bro. Bag Company, assignee: *See*—
Brady, Charles V., and Williams, Gleave, Russell, and Dickmann.

Bemiss-Jason Company, assignee: *See*—
Meller, Reginald B.

Bendix Aviation Corporation, assignee: *See*—
Russell, Matthew J. B.
White, Raymond E.

Bennett, Clarence G., San Mateo, Calif. Joint structure for laminates. 2,550,520, Apr. 24.

Bennett, Joseph S., Merion, and A. W. Thorson, Narberth, assignors to American Engineering Company, Philadelphia, Pa. Stoker comprising furnace side wall fuel feed means. 2,550,521, Apr. 24.

Bennett, Maurice E., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,550,443, Apr. 24.

Bennett, Ralph S., and C. F. Passe, Pittsfield, Mass., assignors to General Electric Company. Circuit interrupter. 2,550,444, Apr. 24.

Benning, Anthony F., and R. C. McHarness, Woodstown, N. J., and M. K. Richards, and G. W. Feldmann, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electrolytic cell with welded anode assembly. 2,550,445, Apr. 24.

Benson, Sidney W., Los Angeles, Calif. Fastening means for supporting objects. 2,549,766, Apr. 24.

Berg, Louis B., Chicago, Ill., and J. E. Martin, San Antonio, assignors, by mesne assignments, to R. W. Carter, Luling, Tex. Rotary nut-cracking machine having reciprocatory jaws. 2,549,881, Apr. 24.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electric spade terminal receptacle. 2,550,636, Apr. 24.

Berger, Martin, Brooklyn, N. Y. Multicombination lock device. 2,549,882, Apr. 24.

Besson, Raoul: *See*—
Lhermitte, Yves, and Besson.

Biskel, Arthur J., assignor to Accounting Forms, Inc., Chicago, Ill. Bookkeeping device. 2,549,956, Apr. 24.

Bickel, James M.: *See*—
Young, William R., and Bickel.

Biegajski, Ernest W., deceased, Buffalo, N. Y.; M. B. Biegajski, administratrix. Garment button. 2,549,883, Apr. 24.

Biegajski, Margaret B., administratrix: *See*—
Biegajski, Ernest W.

Birch, Thomas H., and A. V. Nystrom, Milwaukee, Wis.; said Nystrom assignor to said Birch. Load compensating brake arrangement. 2,549,957, Apr. 24.

Bishop, William H., assignor to Weathershields Limited, Birmingham, England. Sliding roof for vehicles. 2,550,323, Apr. 24.

Blackburn, Billee O.: *See*—
Luten, Daniel B., Jr., Blackburn, and McMillan.

Blake, Octave, Plainfield, N. J. Starting gate. 2,550,399, Apr. 24.

Blohm, Clyde L., Los Angeles, F. C. Riesenfeld, Hollywood, and H. D. Frazier, Alhambra, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Extraction of acidic constituents from gases. 2,550,446, Apr. 24.

Blumenthal, Warren B., Niagara Falls, assignor to National Lead Company, New York, N. Y. Production of titanium tetraiodide. 2,550,447, Apr. 24.

Bobalek, Edward G., assignor to The Arco Company, Cleveland, Ohio. Interpolymer formed from monovinylaromatic polymer, drying oil or acid, polyhydric alcohol, and polybasic acid. 2,549,767, Apr. 24.

Böckman, Marius: *See*—
Lamm, Uno, and Böckman.

Boeing Airplane Company, assignee: *See*—
Morrison, John A., and Welland, Wells, Edward C.

Boeing Airplane Company, Wichita Division, assignee: *See*—
Corns, Robert V.

Bollinger, Edward E., Lancaster, Pa. Transporting heavy loads. 2,550,219, Apr. 24.

Bolongaro, James D., Charlbury, England. Reciprocatory hoe. 2,550,522, Apr. 24.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,550,400, Apr. 24.

Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,550,401, Apr. 24.

Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,550,402, Apr. 24.

Borden Company, The, assignee: *See*—
Lane, Charles E.

Borg-Warner Corporation, assignee: *See*—
Flinn, George E.
Nesbitt, Clifford W.
Orr, Palmer.

Borgerding, Henry, Lodi, assignor to Universal Washing Machinery Co., Nutley, N. J. Dishwashing machine feeder. 2,550,523, Apr. 24.

Borland, John, assignor to Clark Equipment Company, Buchanan, Mich. Axle drive construction. 2,549,884, Apr. 24.

Bosch, Lester L., Cincinnati, Ohio. Magnetic speed responsive device. 2,549,754, Apr. 24.

Bosk, John P., Los Angeles, Calif. Collapsible child's carrier and seat. 2,549,958, Apr. 24.

Bourne, Harry A., Philadelphia, Pa., assignor to United States Rubber Company, New York, N. Y. Apparatus for molding V-belts. 2,550,183, Apr. 24.

Bourque, Bernard B., Columbus, Ga. Fish stringer. 2,550,217, Apr. 24.

Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Balanced microwave detector. 2,550,524, Apr. 24.

Bradley, Dan T., Shaker Heights, assignor, by mesne assignments, to Harris Products Company, Cleveland, Ohio. Vibration mounting. 2,549,768, Apr. 24.

Brady, Charles V., St. Louis, and R. J. Williams, Richmond Heights, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag structure and manufacture. 2,550,000, Apr. 24.

Brady, Richard A., Hoboken, N. J. Automobile sling. 2,550,218, Apr. 24.

Brainerd, George M., and A. Vachon, Lewiston, Maine, assignors to Barber-Colman Company, Rockford, Ill. Yarn tensioning device for winding machines. 2,550,448, Apr. 24.

Brandau, Harvey M., Wilton, Wis., assignor to W. C., Inc. Controlling weather. 2,550,324, Apr. 24.

Braun, Louis H., Beaver, assignor to Keystone Bakery, Inc., West Bridgewater, Pa. Apparatus for processing iced bakery products. 2,550,526, Apr. 24.

Braun, Ottwin L., Pittsburgh, assignor to Reliance Steel Products Company, McKeesport, Pa. Road form joint. 2,550,525, Apr. 24.

Bray, Frederick H., and L. R. Brown, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for counting electrical impulses. 2,549,769, Apr. 24.

Breed, Miles W., Elizabeth, Ill. Lamp and license plate support. 2,550,325, Apr. 24.

Bricmont, George A.: *See*—
McKhann, Charles F., and Bricmont.

Bridge, Archibald C., Westbridgeford, assignor to Luxfer Limited, London, England. Gravity die casting of light metal frames. 2,550,037, Apr. 24.

Brown & Bigelow, assignee: *See*—
Gruber, Francis E.

Brown, Clarence A., Toledo, Ohio, assignor to Jones Graphic Products Company, Albuquerque, N. Mex. Planographic printing. 2,550,326, Apr. 24.

Brown, Ellis M., and F. V. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Agitator for drink mixers. 2,549,885, Apr. 24.

Brown, Frank K., and H. F. Phipard, Jr., South Dartmouth, and G. E. Jenney, Jr., North Dartmouth, assignors to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Self-adjusting bit and holder. 2,550,635, Apr. 24.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,550,449, Apr. 24.

Brown, Leo C., and J. E. Farbak, assignors to Swift & Company, Chicago, Ill. Defoamer. 2,550,450, Apr. 24.

Brown, Leslie R.: *See*—
Bray, Frederick H., and Brown.

Brown, R L, assignor of one-half to J. N. Garitty, Corsicana, Tex. Lock having key ejecting mechanism. 2,550,184, Apr. 24.

Brown, William L., Carmi, Ill. Closing attachment for links. 2,550,038, Apr. 24.

Buckley, Thomas A., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Detachable loop-type key holder for key cases. 2,550,135, Apr. 24.

Buensod-Stacey, Inc., assignee: *See*—
Lyman, Samuel.

Buivid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Folding rotor blade. 2,549,886, Apr. 24.

Buivid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugally controlled coning lock for bladed rotors. 2,549,887, Apr. 24.

Burch, Lyndon W., assignee: *See*—
Kirk, Wayne C., and Parkhurst.

Burkholder, John C., Toronto, Ontario, Canada. Rectifier plate. 2,549,888, Apr. 24.

Burks, George E., G. T. Lundberg, and H. D. Nichols, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Lubricating system. 2,549,889, Apr. 24.

Buris, John A. E., Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Book casing-in machine. 2,549,890, Apr. 24.

Burnam, Thompson W., Whittier, assignor to Fog Nozzle Company, Los Angeles, Calif. Enclosed fog head. 2,550,451, Apr. 24.

Burnham, John, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,549,770, Apr. 24.

Burr, Theodore R.: *See*—
Kehoe, Ellsworth A., and Burr.

Burwell, Maurel G., Columbus, Ohio. Burner base for hot-water tanks. 2,549,755, Apr. 24.

Busch, Tom N., Georgetown, S. C. Self-loading vehicle. 2,550,185, Apr. 24.

Bussel, Ettore, Genoa, Italy. Watercraft adapted to be supported by hydrovanes when in motion. 2,550,220, Apr. 24.

Bustos, Larry L.: *See*—
Cozzolino, Rinaldo, and Bustos.

Button, Fred L., North Bergen, N. J., assignor of one-third to C. A. Morton, Baldwin, and one-third to L. Coyne, Rockville Centre, N. Y. Adjustable clamp. 2,550,001, Apr. 24.

Buxton, Incorporated, assignee: *See*—
Buckley, Thomas A.

Byrne, John F., and F. M. Clark, Pittsfield, Mass., assignors to General Electric Company. Compound dielectric materials. 2,550,452, Apr. 24.

Cabibi, S. Philip, assignee: *See*—
Cozzolino, Rinaldo, and Bustos.

Calderon, Albert, Atlanta, Ga. Toilet seat. 2,550,221, Apr. 24.

Callison, Robert B.: *See*—
Grenstad, Arvid, and Callison.

Campbell, Harold E.: *See*—
Mainwaring, John L., and Campbell.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic transducer head. 2,549,771, Apr. 24.

Capen, Harold N.: *See*—
De Rosa, Louis A., Lundburg, and Capen.

Cananea Consolidated Copper Company, S. A., The, assignee: *See*—
Wraith, William, Jr.

Capuzzi, Edmund C., Philadelphia, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Condition responsive motor control system. 2,550,527, Apr. 24.

Carasso, Frederic M.: *See*—
Simon, Eli, and Carasso.

Cardox Corporation, assignee: *See*—
Voss, Walter W.

Carlin, Benson, New York, N. Y., assignor to Sperry products, Inc., Hoboken, N. J. Supersonic testing. 2,549,891, Apr. 24.

Carlin, Benson, New York, N. Y., assignof to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection. 2,550,528, Apr. 24.

Carlin, Joseph M., Jacksonville, Fla. Hub cap. 2,550,222, Apr. 24.

Carlin, Joseph M., and C. H. Rentz, Jacksonville, Fla. Adapter pulley for motor vehicle generators. 2,550,223, Apr. 24.

Carlsen, Carl E., assignee: *See*—
Wurfschmit, Hugo.

Carlson, Carl L., Moline, Ill. Fishing plug container or housing. 2,550,039, Apr. 24.

Carmichael, Thomas J., Walled Lake, assignor to General Motors Corporation, Detroit, Mich. Transmission controlled brake release. 2,550,403, Apr. 24.

Carroll, Frank V., Munster-Hammond, Ind., assignor to Inland Steel Company, Chicago, Ill. Sheet metal feed device. 2,549,772, Apr. 24.

Carroll, Frank V., Munster-Hammond, Ind., assignor to Inland Steel Company, Chicago, Ill. Handling sheet metal plates. 2,549,773, Apr. 24.

Carson, Howard, and R. E. Moore, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Controllable pitch propeller. 2,550,529, Apr. 24.

Carter, Robert W., assignee: *See*—
Berg, Louis B., and Martin.

Cartwright, Frank, Old Hill, England. Swing. 2,550,530, Apr. 24.

Casimir, Hendrik B. G., H. Nieuwdorp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for controlling the terminal voltage of a current load. 2,549,959, Apr. 24.

Caterpillar Tractor Co., assignee: *See*—
Burks, George E., Lundberg, and Nichols.
Riegel, Glen C., Alexander, and Lenz.

Celanese Corporation of America, assignee: *See*—
Dreyfus, Henry.
Oxley, Horace F., Thomas, and Nichols.

Chambers, Raymond, Long Beach, Calif. Automobile steering wheel spinner. 2,549,774, Apr. 24.

Champlain Company, Inc., assignee: *See*—
Worthington, Emory W., and Schowerer.

Chandler, James D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Bottoming shoes. 2,549,960, Apr. 24.

Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Fluorinated propionyl halides and making them. 2,549,892, Apr. 24.

Charchian, Benjamin M., and A. R. Valiarino, assignors to International Standard Electric Corp., New York, N. Y. Oscillator circuit responsive to hall effect. 2,549,775, Apr. 24.

Chasan, George: *See*—
Chasan, Isaac, G., and S.

Chasan, Isaac, G., and S., Brooklyn, N. Y. Attachment for airbrushes. 2,550,404, Apr. 24.

Chasan, Simon: *See*—
Chasan, Isaac, G., and S.

Chemical Development Co., assignee: *See*—
Franz, Arvel O.

Chicago Eye Shield Company, assignee: *See*—
Malcom, Robert L.

Chiksan Company, assignee: *See*—
Warren, Doyle C.

Chinn, Arthur J.: *See*—
Flight, Theodore N., Wilson, and Chinn.

Chorney, Harry, Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Laminated ski. 2,550,002, Apr. 24.

Christensen, Bette J., assignor to Jantzen Knitting Mills, Inc., Portland, Oreg. Self-adjusting bathing suit. 2,550,327, Apr. 24.

Christensen, Betty, assignee: *See*—
Rosenberg, Leo F.

Ciapetta, Frank G., Llanerch Hills, assignor to The Atlantic Refining Company, Philadelphia, Pa. Reforming process and catalyst therefor. 2,550,531, Apr. 24.

Ciba Limited, assignee: *See*—
Ackermann, Franz.

Cincinnati Butchers' Supply Company, The, assignee: *See*—
Schmidt, Carl O., Jr.

Cipkar, Paul, Chicago Heights, Ill. Foundation for garment coats and making the same. 2,550,532, Apr. 24.

Clamp, Charles C., San Antonio, Tex. Flexible hose for connection to faucets. 2,550,186, Apr. 24.

Clar, Mottel, Culver City, Calif. Selectively evacuated temperature regulated container. 2,550,040, Apr. 24.

Clark Equipment Company, assignee: *See*—
Borland, John.
Dunham, Elmer J.

Clark, Frank M.: *See*—
Byrne, John F., and Clark.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,549,756, Apr. 24.

Clark Manufacturing Company, The, assignee: *See*—
Mainwaring, John L., and Campbell.

Clark, Reid, Camden, Ala., assignor, by decree of court, to T. Clark. Minnow bucket. 2,550,533, Apr. 24.

Clark, Thelma, assignee: *See*—
Clark, Reid.

Clarkson, Robert J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Twisting strands together to form a ply construction. 2,550,136, Apr. 24.

Clayton, Alfred B.: *See*—
Iknayan, Alfred N., and Clayton.

Clayton, Benjamin, assignee: *See*—
Taub, Abraham.

Cleaners Hanger Company, assignee: *See*—
Simmons, Stanley.

Clearing Machine Corporation, assignee: *See*—
Glasner, Rudolph W., and Johansen.
Johansen, Elnar K.
Ward, William E.

Cleeton, Claud E., Washington, D. C. Pulse discriminating apparatus. 2,549,776, Apr. 24.

Clerc, Leonard F., Detroit, Mich. Adjustable bed. 2,550,224, Apr. 24.

Coggeshall, Almy D., Schenectady, N. Y., assignor to General Electric Company. Producing insulated coils. 2,550,453, Apr. 24.

Cohn, Charles C., assignee: *See*—
Cohn, Charles C.

Cohn, Charles C., Elkins Park, assignor to S. L. and C. C. Cohn, doing business as Colonial Alloys Company, Philadelphia, Pa. Coating aluminum or its alloys. 2,550,328, Apr. 24.

Cohn, Samuel L., assignee: *See*—
Cohn, Charles C.

Colombo, Roberto, Turin, Italy. Method and apparatus for manufacturing ribbons of plastic material. 2,550,225, Apr. 24.

Colombo, Roberto, Turin, Italy. Extrusion press. 2,550,226, Apr. 24.

Colonial Alloys Company, assignee: *See*—
Cohn, Charles C.

Coltman, John W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radiation detector. 2,550,107, Apr. 24.

Coltman, John W., Pittsburgh, and F. B. Marshall, Glenshaw, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Detector for elementary particles. 2,550,106, Apr. 24.

Commercial Solvents Corporation, assignee: *See*—
Senkus, Murray.

Commonwealth Engineering Company of Ohio, The, assignee, *See*—
Toulmin, Harry A., Jr.

Compagnie Française de Raffinage (Societe Anonyme), assignee: *See*—
Gislon, André.

Compton, William S., Birmingham, Ala. Fuel mileage tester. 2,550,227, Apr. 24.

Cook, Harold, Milwaukee, Wis. Reflective sign. 2,549,893, Apr. 24.

Cooper, Oliver H., Burley, Idaho. Mechanical fork. 2,550,329, Apr. 24.

Coover, Harry W., Jr.: *See*—
Dickey, Joseph B., Coover, and Shearer.

Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of acetals and β-haloaldehydes. 2,550,637, Apr. 24.

Corbett, Ray F., Lewisburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reproducing device having link means for producing high compliance in the direction of the stylus drag. 2,549,757, Apr. 24.

Corning Glass Works, assignee: *See*—
Daudt, William H.

Corns, Robert V., assignor to Boeing Airplane Company, Wichita Division, Wichita, Kans. Hydraulic actuating system with automatic follow-up. 2,550,137, Apr. 24.

Costin, William B., Seminole, Tex. Fishing tool. 2,550,228, Apr. 24.

Cotner, John C., Logansport, Ind., assignor to L. D. Long, Charleston, S. C. Collapsible form. 2,549,758, Apr. 24.

Cotner, Walter W., Ithaca, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic motor control system. 2,550,105, Apr. 24.

Cottage Donuts, Inc., assignee: *See*—
Emerson, Alfred, Jr., and Schmidt.

Cotton, Robert B., Lansdowne, Pa., assignor to All American Airways, Inc. Air-driven impeller. 2,550,229, Apr. 24.

Coyle, William E., Cotton Valley, La. Drop collar right angle drill for wells. 2,550,330, Apr. 24.

Coyne, Lee, assignee: *See*
Button, Fred L.

Cozzolino, Rinaldo, and L. L. Bustos, assignors of twenty-two per cent to A. A. Fraterelli, ten per cent to S. P. Cabibi, thirty-three per cent to L. L. Bustos, and thirty-five per cent to R. Cozzolino, Pueblo, Colo. Electric tire inflation indicator. 2,550,041, Apr. 24.

Crafts, Curtis S., Oak Park, and E. W. Worthington, assignors to The Gossa Printing Press Company, Chicago, Ill. Inking mechanism for rotary intaglio printing presses. 2,550,454, Apr. 24.

Craig, Charlotte, administratrix: *See*—
Beach, Paul P.

Craig, Edward C., U. S. Navy, Arlington, Va. Buoyant electrode. 2,549,777, Apr. 24

Crawford, William B., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Tank fitting. 2,550,138, Apr. 24.

Crawley, Blick, Washington, D. C. Projectile launching. 2,549,778, Apr. 24.

Creed, Jesse L., Port Arthur, Tex. Emergency tank unloading device. 2,550,187, Apr. 24.

Cremonini, Luigi: *See*—
Mulatti, Ivano, and Cremonini.

Crenshaw, Russell S., Jr., U. S. Navy, Virginia Beach, Va. Electronic counter circuit. 2,549,779, Apr. 24.

Criswell, Albert O.: *See*—
Logan, Malcolm H., and Criswell.

Crompton & Knowles Loom Works, assignee: *See*—
Krukonis, Alexander C.

Crookston, James J., Moylan, assignor to The Autocar Company, Ardmore, Pa. Vehicle suspension unit. 2,550,331, Apr. 24.

Crosby Chemicals, Inc., assignee: *See*—
Hampton, Burt L.

Crosby, Melvin A., Springfield, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Intensifier. 2,550,405, Apr. 24.

Cross, William G., assignor of forty-nine per cent to B. Zeesman, Cordele, Ga. Peanut and leafy vegetable harvester. 2,550,332, Apr. 24.

Crossingham, James H., assignor to Mount Airy Knitting Co., Mount Airy, N. C. Garment with expansible neck opening. 2,549,894, Apr. 24.

Crossley, Tom A., La Grange, Ga. Shirt packaging device. 2,550,333, Apr. 24.

Crouch, Willie W., Bartlesville, Okla., and E. G. Marhofer, Phillips, Tex., assignors to Phillips Petroleum Company. Use of blends of tertiary alkyl mercaptans in emulsion polymerization. 2,549,961, Apr. 24.

Crouch, Willie W., Bartlesville, Okla., and E. G. Marhofer, Phillips, Tex., assignors to Phillips Petroleum Company. Use of a blend of tertiary alkyl mercaptans in emulsion polymerization. 2,549,962, Apr. 24.

Croxall, Willard J., Bryn Athyn, Pa., and H. J. Schneider, Badger, Wis., assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of alkyl alpha-oxo-gamma-phenyl-gamma-alkoxy-beta-butenoates. 2,550,042, Apr. 24.

Cudahy Brothers Company, assignee: *See*—
Ollen, Henry C., and Geisenheimer.

Cummiskey, Charles E.: *See*—
Morrow, David, and Cummiskey.

Cuneo, Joseph F.: *See*—
Doumani, Thomas F., and Cuneo.

Cuttino, William H.: *See*—
Marbury, Ralph E., and Cuttino.

Cyphers, Elmer B., Cranford, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricants. 2,550,406, Apr. 24.

D. K. M. Company, assignee: *See*—
Darling, Frank L.

Dahlhouser, Charlie H., Hastings, assignor of fifty per cent to John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich. Combination hose and slipper-sole assembly. 2,550,334, Apr. 24.

Dailey, Francis N., Rockville, Conn., assignor to Emhart Manufacturing Company. Mechanism for applying luting to glass feeder orfice rings. 2,550,335, Apr. 24.

Dalton, James E., Burkeville, Va. Loading dump body. 2,550,230, Apr. 24.

Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Blends of butadiene-acrylonitrile rubbery copolymers having a toluene-insoluble "B" gel content of from 30 to 50 per cent and hard resinous styrene-acrylonitrile copolymers. 2,550,139, Apr. 24.

Damond, Emile, Paris, France. Vibrating suspension apparatus. 2,550,534, Apr. 24.

D'Angelo, Frank: *See*—
Wilcox, Granville M., and D'Angelo.

Daniel, Nathan I., Long Branch, N. J. Loud-speaker cabinet with inclined baffles. 2,550,336, Apr. 24.

Daniels, C. R., Inc., assignee: *See*—
Delsalle, Frank P.

Darling, Frank L., assignor to D. K. M. Company, Los Angeles, Calif. Thermostatic switch. 2,550,188, Apr. 24.

Daudt, William H., Midland, Mich., assignor to Corning Glass Works, Corning, N. Y. Copolymerization of organo-siloxanes. 2,550,003, Apr. 24.

Davidson, John B., Woolen Mills, Inc., assignee: *See*—
Dahlhouser, Charlie H.

Davidson, Norman R.: *See*—
Fried, Sherman, and Davidson.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Trim panel and making the same. 2,550,455, Apr. 24.

Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve. 2,550,535, Apr. 24.

Davis, Lincoln K.: *See*—
Tindal, Charles H., and Davis.

Davis, Robert S., Ajo, Ariz., assignor of one-half to R. E. Edgington, Cleveland, Ohio. Combination cooking and serving unit. 2,550,108, Apr. 24.

Dawson, William O., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Bleaching and filling leather with amino-carboxylic acid-methylol melamine resin. 2,550,638, Apr. 24.

Dawson, William O., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Bleaching and filling leather with amino-sulfonic acid-methylol melamine type resins. 2,550,639, Apr. 24.

De Boer, Jan, and G. Schenkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electroacoustic transducer. 2,549,963, Apr. 24.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

De Directie van de Staatsmijnen in Limburg, assignee: *See*—
Fontein, Freerk J.

Deere & Company, assignee: *See*—
Andrews, Norman F.

Deere Manufacturing Co., assignee: *See*—
Fletcher, Edward H.
Velentine, Bertram G.

Deering Milliken Research Trust, assignee: *See*—
Klein, Norman E.

De Flon, James G., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Spray nozzle. 2,550,456, Apr. 24.

De Hetre, John P., Compton, Calif. Power-driven pipe tongs. 2,550,045, Apr. 24.

De Lano, Ralph B., Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Electronic switching device. 2,549,895, Apr. 24.

Delano, Raymond P., Jr., and R. W. Gregson, Baltimore, Md., assignors, by mesne assignments, to Franklin Railway Supply Company, Wilmington, Del. High-pressure ball and socket pipe joint. 2,550,536, Apr. 24.

De Lautour, Walter, Gisborne, New Zealand. Locking universal joint for use with dental articulators and the like. 2,550,043, Apr. 24.

Del-Sab Corporation, assignee: *See*—
Sabo, Louis.

Delsalle, Frank P., assignor to C. R. Daniels, Inc., Daniels, Md. Shoulder protecting device. 2,550,044, Apr. 24.

Dening, Robert D., Long Beach, Calif. Shutter mechanism. 2,549,964, Apr. 24.

De Prez, Charles, Uccle-Brussels, and A. Basilewsky, Bortsfort-Brussels, assignors to Solvay & Cie, Izelles-Brussels, Belgium. Cells for the electrolysis of alkali salt solutions. 2,550,231, Apr. 24.

Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote metering system. 2,550,109, Apr. 24.

Derrick, Douglas D., Olivette, Mo. Content dispensing device for collapsible tubes. 2,550,537, Apr. 24.

De Rosa, Louis A., Staten Island, F. J. Lundburg, New York, N. Y., and H. N. Capen, Passaic, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,549,783, Apr. 24.

De Waal, Hermanus L., Pretoria, assignor to Agricura Laboratoria Limited, Johannesburg, Transvaal, Union of South Africa. Photochemical production of benzene hexachloride. 2,550,046, Apr. 24.

Diapette, Inc., assignee: *See*—
McKhann, Charles F., and Bricmont.

Dickey, Joseph B., and A. Loria, assignors to Eastman Kodak Company, Rochester, N. Y. 1,4 diaminoanthraquinone compounds containing a carboxy-β-tetrahydrofurfuryloxyalkylamide group in the 2-position. 2,549,784, Apr. 24.

Dickey, Joseph B., H. W. Coover, Jr., and N. H. Shearer, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Cyclohexene phosphonates and their preparation. 2,550,651, Apr. 24.

Dickmann, Edwin A.: *See*—
Gleave, Russell, and Dickmann.

Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.

Ditto, Incorporated, assignee: *See*—
Harrison, Edwin G.

Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Multicylinder refrigerant compressing apparatus. 2,550,457, Apr. 24.

Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Establishing markers in boreholes. 2,550,004, Apr. 24.

Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Well logging method and apparatus utilizing periodically variable spontaneous potentials. 2,550,005, Apr. 24.

Doman, Glidden S., Stratford, Conn., assignor to Doman Helicopters, Inc. Directional and trim control for rotary wing aircraft. 2,550,538, Apr. 24.

Doman Helicopters, Inc., assignee: *See*—
Doman, Glidden S.

Donnell, John W., East Lansing, Mich., and K. Tator, assignors to Industrial Lining Engineers, Inc., Sewickley, Pa. Coating metallic articles with vinyl resin dispersions. 2,550,232, Apr. 24.

Dorshaw, Robert E., Philadelphia, Pa. Figure toy. 2,550,407, Apr. 24.

Dotson, Craig L., Washington, Pa. Vented neck mold. 2,550,140, Apr. 24.

Douglass, Ben W., Dayton, Ohio. Aircraft fuel tank ejector. 2,549,785, Apr. 24.

Doumani, Thomas F., and J. F. Cuneo, assignors to Union Oil Company of California, Los Angeles, Calif. Preparation of thio esters. 2,550,141, Apr. 24.

Dow Corning Corporation, assignee: *See*—
Speier, John L., Jr.

Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Hydraulic force amplifier. 2,549,786, Apr. 24.

Drechsel, Erhart K., and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Diallyl cyanamid copolymer compositions. 2,550,652, Apr. 24.

Dresher, Robert J., Dayton, Ohio. Tonnage calculator. 2,550,458, Apr. 24.

Dreyfus, Henry, deceased, C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Laminating fabrics. 2,550,006, Apr. 24.

Droege, Orville E., Glenellyn, C. Hale and P. Schauert, assignors to Swift & Company, Chicago, Ill. Bulk egg breaking and separating. 2,550,189, Apr. 24.

Dube, John B., Dallas, Tex. Calcining kiln. 2,549,787, Apr. 24.

Duffendack, John C., Jr., and W. W. Tjossem, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Engine cowling. 2,550,337, Apr. 24.

Dumble, William H., Bakersfield, Calif. Rotary jar. 2,550,142, Apr. 24.

Dunagan, Joseph B., Olney, Tex. Support for mailboxes or the like. 2,550,338, Apr. 24.

Duncan, James J., Flint, Mich. Flashlight, fuse, and circuit tester. 2,550,233, Apr. 24.

Duncan, James J., Flint, Mich. Combination flashlight and circuit tester. 2,550,234, Apr. 24.

Duncan Parking Meter Corporation, assignee: *See*—
Tichenor, Ralph S.

Duncan, Thomas P., Jr., Newport News, Va. Fire escape. 2,550,235, Apr. 24.

Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Multiple forward and reverse speeds transmission. 2,549,896, Apr. 24.

Dunlop Rubber Company Limited, assignee: *See*—
Morellion, Albert E.

Dunn, Arthur L.: *See*—
McIntyre, Archibald R., and Dunn.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Adelman, Robert L.
Sauer, John C.
Signaigo, Frank K.
Thrift, Robert J.
Turnbull, Norris.

Durr, André H. V., Paris, R. F. R. Wendling, Creil, and J. L. R. Gardedieu, Villers St. Paul, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Printing colors. 2,550,047, Apr. 24.

Durst, Hugo A., Los Angeles, Calif. Photographic film handling and drying frame. 2,550,048, Apr. 24.

Eaker, Charles M., Affton, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicidal formulations. 2,550,049, Apr. 24.

Earle, Guyon L. C., Forest Hills, assignor, by mesne assignments to Earle Kitchen Unit Corporation, New York, N. Y. Table-top member for kitchen units. 2,550,539, Apr. 24.

Earle Kitchen Unit Corporation, assignee: *See*—
Earle, Guyon L. C.

Early, Marie: *See*—
Swinehart, Carl F., and Early.

Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Display arrangement for electric oscillographs. 2,549,780, Apr. 24.

Eastern Rubber Specialties, assignee: *See*—
Teston, Rebecca O.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B., Coover, and Shearer.
Dickey, Joseph B., and Loria.
McCarthy, George L.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.

Ebsary, Vivian R., Darlinghurst, near Sydney, New South Wales, Australia. Rotary pump. 2,550,540, Apr. 24.

Edes, Fletcher R.: *See*—
Finkeldey, William H., and Edes.

Edgington, Robert E., assignee: *See*—
Davis, Robert S.

Edwards, Russell N., Schenectady, N. Y., assignor to General Electric Company. System and apparatus for starting charged particle accelerators. 2,550,459, Apr. 24.

Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Construction board and making same. 2,550,143, Apr. 24.

Ehrman, Herbert H., assignor to York Corporation, York, Pa. Plate type heat exchanger. 2,550,339, Apr. 24.

Elastic Stop Nut Corporation of America, assignee: *See*—
Shaw, John D., and Kuzmick.

Electric & Musical Industries Limited, assignee: *See*—
Pearce, Ralph R.
White, Eric L. C.

Ellis, Delbert, Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnet assembly for contactors. 2,550,110, Apr. 20.

Else, Harry D., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed-limiting device for dynamoelectric machines. 2,550,111, Apr. 24.

Emerson, Alfred, Jr., New York, N. Y., and F. L. A. Schmidt, Westfield, N. J., assignors to Cottage Donuts, Inc., New York, N. Y. Water tempering and measuring system. 2,550,050, Apr. 24.

Embart Manufacturing Company, assignee: *See*—
Dailey, Francis N.

Emley, Edward F.: *See*—
Jessup, Alfred C., Emley, and Fisher.

Emmons, William J., Oakland, and B. S. Gallagher, Piedmont, assignors to Salter Machine Co., Oakland, Calif. Canning method for tomatoes and the like. 2,549,781, Apr. 24.

Engelman, Edmund, Elmhurst, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Voltage regulator. 2,549,782, Apr. 24.

Erie Resistor Corporation, assignee: *See*—
Gray, Robert B., and Steele.

Estoup, Henri: *See*—
Estoup, Jean.

Estoup, Jean, generally known as Henri Estoup, Sceaux, assignor to Mecanique et Transmission Metrap, Paris, France. Telegraph system with an answer-back signal transmitter. 2,550,541, Apr. 24.

Evrell, Kaleb E., assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden. Pressure operated valve means for hydrostatic power transmitting systems. 2,549,897, Apr. 24.

Excel Tool & Die Co., Inc., assignee: *See*—
Gillich, Stephen G., and Littlehale.

FR Corporation, The, assignee: *See*—
Steans, George L.

Factly, Henry V., Burlington, Ill. Lug remover for dual wheel assemblies. 2,550,542, Apr. 24.

Fairest, Morgan, assignor to Morgan Fairest Limited, Sheffield, England. Traverse mechanism for grinding machines and the like. 2,550,543, Apr. 24.

Fairest, Morgan, Limited, assignee: *See*—
Fairest, Morgan.

Farbak, John E.: *See*—
Brown, Leo C., and Farbak.

Farly, George M., and D. A. Mack, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Monitoring circuit. 2,550,460, Apr. 24.

Farnsworth Research Corporation, assignee: *See*—
Bartels, Arnold H.

Farnsworth Television & Radio Corporation, assignee: *See*—
Mayle, Louis F.

Faust, Charles L., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Anodically polishing aluminum. 2,550,544, Apr. 24.

Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Viscosity meter. 2,550,052, Apr. 24.

Fay, Horace B., Willoughby, assignor to Gridiron Steel Company, Cleveland, Ohio. Ironing table top. 2,550,051, Apr. 24.

Federal Telephone and Radio Corporation, assignee: *See*—
De Rosa, Louis A., Lundburg, and Capen.
Engelman, Edmund.
Labin, Emile.
Labin, Emile, and Grieg.
Salazar, Alfred M.
Wallace, Fred C.

Fehlmann, Hans, Berne, Switzerland. Method and device for making water-handling installations and installations made according to this method. 2,550,408, Apr. 24.

Feilden, Geoffrey B. R.: *See*—
McLeod, Roderick C., and Feilden.

Feldmann, George W.: *See*—
Benning, Anthony F., McHarness, Richards, and Feldmann.

Fellows, Julian R., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Combustion chamber for a coal stove and an air supply thereto. 2,549,788, Apr. 24.

Ferguson, Garwood W., Paterson, assignor to Becton, Dickinson and Company, Rutherford, N. J. Injection device. 2,550,053, Apr. 24.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Balanced demodulator. 2,550,409, Apr. 24.

Ferrill, Thomas M., Jr., Hempstead, N. Y. Tank circuit apparatus. 2,549,789, Apr. 24.

Feuerheim, Karl, assignee: *See*—
Randleman, Harry R.

Fick, Raymond J., North Tonawanda, N. Y. Elbow protector. 2,550,461, Apr. 24.

Fields, Charles V., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealed terminal bushing. 2,550,112, Apr. 24.

Fields, Mack R.: *See*—
Young, Howard H., Loper, and Fields.

Filmtone, Inc., assignee: *See*—
Fodor, Ferenz H.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Countershaft brake. 2,550,545, Apr. 24.

Finkeldey, William H., Hasting on Hudson, N. Y., and F. R. Edes, Plymouth, Mass., assignors to Singmaster & Breyer, New York, N. Y. Metal transfer and pouring system. 2,549,790, Apr. 24.

Fischbein, David, assignee: *See*—
Mosberg, Abraham.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Treatment of oil-base drilling fluids. 2,550,054, Apr. 24.

Fischer, Paul W., Long Beach, and R. A. Rogers, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Drilling mud. 2,550,236, Apr. 24.

Fish, Frank L., Los Angeles, Calif. Slide changing device for projectors. 2,549,898, Apr. 24.

Fish Machinery Corporation, assignee: *See*—
Savrda, Charles M.

Fisher, Philip A.: *See*—
Jessup, Alfred C., Emley, and Fisher.

Fitzgerald, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Receptacle. 2,549,965, Apr. 24.

Fletcher, Edward H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Fluid line coupling. 2,549,791, Apr. 24.

Fletcher, Maurice J., Maxwell, Iowa, assignor to the United States of America as represented by the Secretary of War. Control device for prosthetic hands. 2,549,792, Apr. 24.

Flight, Theodore N., Slough, W. H. Wilson, Camberley, and A. J. Chinn, assignors to The Rheostatic Company Limited, Slough, England. Magnetic snap action switch. 2,550,546, Apr. 24.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,550,055, Apr. 24.

Flintjer, Walter J., Cheyenne, Wyo. Knife construction for beet toppers. 2,550,144, Apr. 24.

Florence Stove Company, assignee: *See*—
Hillebrand, Earl D., and Fulmer.

Flowers, Leonard C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator embodying stabilized mixtures of oil and aliphatic halides. 2,550,113, Apr. 24.

Fluor Corporation Ltd., The, assignee: *See*—
Blohm, Clyde L., Riesenfeld, and Frazier.
De Flon, James G.

Fodor, Ferenz H., assignor to Filmtone, Inc., Los Angeles, Calif. Control system for sound reproduction and recording apparatus. 2,550,007, Apr. 24.

Fog Nozzle Company, assignee: *See*—
Burnam, Thompson W.

Follmer, Joseph: *See*—
Follmer, Joseph A. and J.

Follmer, Joseph A. and J., Denver, Colo. Quick-acting bench vise. 2,550,547, Apr. 24.

Foltis, Anestis, Jackson Heights, N. Y. Safety razor with integral folded blade. 2,550,056, Apr. 24.

Fontein, Freerk J., assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Separation of solid substances of different specific gravity and grain size. 2,550,340, Apr. 24.

Fontein, Freerk J., assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Controlling the concentrations of suspensions. 2,550,341, Apr. 24.

Forss, Fritz V.: *See*—
Brown, Ellis M., and Forss.

Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous copolymers of caster oil-unsaturated dicarboxylic acid reaction products and polymerizable vinyl compounds. 2,550,114, Apr. 24.

Framhein, Herbert J., Chicago, Ill. Pallet truck. 2,550,548, Apr. 24.

Francesco, John P., Haverhill, Mass. Snap fastener. 2,549,793, Apr. 24.

Frank, Stanley L., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control switch. 2,549,794, Apr. 24.

Frankenberg Bros., Inc., assignee: *See*—
Klein, Clarence F.

Franklin, Albert W., New York, N. Y. Socket contact. 2,550,237, Apr. 24.

Franklin Railway Supply Company, assignee: *See*—
Delano, Raymond P., Jr., and Gregson.

Franks Manufacturing Corporation, assignee: *See*—
Ortloff, John E., and Woody.

Frantz, Frederick H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Light printing means. 2,550,640, Apr. 24.

Frans, Arvel O., assignor to Chemical Development Co., Cartersville, Ga. Vulcanizing "Butyl" rubber. 2,550,342, Apr. 24.

Fraser, Malcolm W., trustee, assignee: *See*—
Parsons, John B.

Fraterelli, A. A., assignee: *See*—
Cozzolino, Rinaldo, and Bustos.

Frazier, Henry D.: *See*—
Blohm, Clyde L., Riesenfeld, and Frazier.

Freeman, Antony P., San Francisco, Calif. Self-releasing bracket. 2,550,008, Apr. 24.

Frenzel, Wilbur G., Nome, Tex. Dump body lift. 2,549,900, Apr. 24.

Frey, Arthur J., Jr.: *See*—
Kundtz, Leo R., and Frey.

Fried, Sherman, Chicago, Ill., and N. R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of neptunium tetrafluoride. 2,549,899, Apr. 24.

Friedheim, Ernst A. H., New York, N. Y. Organic antimony compounds derived from 1,3,5-triasine. 2,549,795, Apr. 24.

Frost, Albert E., Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph code translator system. 2,549,796, Apr. 24.

Fuchs, Alex, assignee: *See*—
Mosberg, Abraham.

Fulmer, John R.: *See*—
Hillebrand, Earl D., and Fulmer.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Rectifier regulator. 2,550,462, Apr. 24.

Gaede, John E., Trochu, Alberta, Canada, assignor to Geophysical Service, Inc., Dallas, Tex. Device for comparing traces on seismic records. 2,550,238, Apr. 24.

Galdos, Alonzo F., Redwood City, Calif. Fire control mechanism. 2,549,797, Apr. 24.

Gallagher, Bernard S.: *See*—
Emmons, William J., and Gallagher.

Gamble, Charles B., Birmingham, Ala. Gas purifier. 2,550,463, Apr. 24.

Gardedieu, Jean L. R.: *See*—
Durr, André H. V., Wendling, and Gardedieu.

Garfunkle, Morris H., Newark, N. J. Portable fire basket type of grate. 2,550,057, Apr. 24.

Garitty, J. N., assignee: *See*—
Brown R L.

Garrett, Henry U., and C. M. Peters, Longview, assignors to Garrett Oil Tools, Inc., Houston, Tex. Flow controller. 2,550,410, Apr. 24.

Garrett Oil Tools, Inc., assignee: *See*—
Garrett, Henry U., and Peters.

Gassman, Edward, New York, N. Y. Attached raising jack for motor vehicles. 2,550,239, Apr. 24.

Gaylord Container Corporation, assignee: *See*—
George, Walter C.
George, Walter C., and Klasing.

Geci, Melan M., assignor to Stackpole Carbon Company, St. Mary's, Pa. Electric slide switch. 2,550,145, Apr. 24.

Gee, Edwin A., Washington, D. C., and M. T. Pawel, Norris, Tenn., assignors to the United States of America as represented by the Secretary of the Interior. Production of magnesium chloride from magnesium silicate ore. 2,549,798, Apr. 24.

Gee, William P., Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y. Production of oil-free wax and dewaxed oil from wax-bearing lubricating oil stock with a dewaxing solvent liquid. 2,550,058, Apr. 24.

Geib, Courtney W., assignee: *See*—
Beach, Paul P.

Geib, Robert U., Jr., assignee: *See*—
Beach, Paul P.

Geiger, Ervin D., Kankakee, Ill., and F. Geiger, Churubusco, Ind. Weighing and dispensing bin. 2,550,240, Apr. 24.

Geiger, Forest: *See*—
Geiger, Ervin D. and F.

Geiselman, Ralph A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,550,115, Apr. 24.

Geisenheimer, Norman S.: *See*—
Olien, Henry C., and Geisenheimer.

Gemmel, Wilbur R., Wheaton, assignor to Teletype Corporation, Chicago, Ill. Distributor brush control apparatus. 2,550,411, Apr. 24.

General Aniline & Film Corporation, assignee: *See*—
Copenhaver, John W.
Frantz, Frederick H.
Sweet, Monroe H.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W.
Bennett, Maurice E.
Bennett, Ralph S., and Passe.
Byrne, John F., and Clark.
Coggeshall, Almy D.
Dodson, Wayne E.
Edwards, Russell N.
Fyler, George W.
Harrington, Richards H.
Herskind, Carl C., and Mulhern.
Johnson, Frithiof V.
Lavoo, Norman T., and Gurewitsch.
Millar, Norval P.
Nelson, Richard B.
Reifschneider, Paul J.
Rice, Chester W.
Schell, Le Roy S., Jr.
Sims, Marion W.
Sittner, George H.
Walsh, Robert.
Wasson, Orville, and Palmer.
Wellman, Albert.
Wilcox, James F.
Woolrich, James N.
Young, Allan M.

General Motors Corporation, assignee: *See*—
Bales, Max G.
Carmichael, Thomas J.
Carson, Howard, and Moore.
Clark, Kendall.
Haines, Harold G.
Kehoe, Ellsworth A., and Burr.
Lituchy, Noel J.
Pearce, George C.
Schwarz, Bertram A., and Guyton.
Short, Brooks H.
Towner, Harold A.

Geophysical Service, Inc., assignee: *See*—
Gaede, John E.

George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Collapsible cellular partition for containers. 2,549,799, Apr. 24.

George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Collapsible container and cellular partition unit. 2,549,800, Apr. 24.

George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Collapsible container partition and liner unit. 2,549,801, Apr. 24.

George, Walter C., St. Louis, and A. P. Klasing, Webster Groves, assignors to Gaylord Container Corporation, St. Louis, Mo. Collapsible cellular container partition. 2,549,802, Apr. 24.

Gerett, M. A., Corporation, assignee: *See*—
Maage, Alfred E., Jr.

Gibbons, Paul E., Wolverhampton, England. Door closing spring and check. 2,550,059, Apr. 24.

Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal for silicon tetrafluoride from hydrocarbons. 2,550,343, Apr. 24.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Rapisarda, Edward D.

Gilg, Frank X.: *See*—
Mosier, Edwin K., and Gilg.

Gillich, Stephen G., Clark Township, Union County, and B. M. Littlehale, Cranford, assignors to Excel Tool & Die Co., Inc., Rahway, N. J. Variable cutting device. 2,550,146, Apr. 24.

Girardi, Chester, assignor to H. G. & S. Manufacturing Corp., Newton, Wis. Rockable mount for breakback mowers. 2,550,412, Apr. 24.

Gislon, André, assignor to Compagnie Française de Raffinage (Societe Anonyme), Paris, France. Alkylation process. 2,550,413, Apr. 24.

Gisondi, Emanuel, New York, N. Y. Self-locking drive fastening device. 2,550,060, Apr. 24.

Glasner, Rudolph W., Chicago, and E. K. Johansen, Oak Park, assignors to Clearing Machine Corporation, Chicago, Ill. Press. 2,550,061, Apr. 24.

Glasner, Rudolph W., Chicago, and E. K. Johansen, Oak Park, assignors to Clearing Machine Corporation, Chicago, Ill. Triple-action press. 2,550,062, Apr. 24.

Gleave, Russell, and E. A. Dickmann, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Draw cord anchorage. 2,550,464, Apr. 24.

Godat, Edmond, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Automatic cutting device. 2,550,191, Apr. 24.

Godshalk, James B., assignor, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Thermally controlled battery charger. 2,550,344, Apr. 24.

Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Transmission system for controls and signals for toll or long distance telephone circuits. 2,549,803, Apr. 24.

Goodfriend, David J., Philadelphia, Pa. Oral composition. 2,549,759, Apr. 24.

Goodman Manufacturing Company, assignee: *See*—
Pratt, Charles A.

Goodstein, Charles B., New Rochelle, N. Y. Thumbstack. 2,550,549, Apr. 24.

Goodstein, Charles B., New Rochelle, N. Y. Easel. 2,550,550, Apr. 24.

Goodwillie, John E., assignor to Beloit Iron Works, Beloit, Wis. Stock inlet. 2,550,552, Apr. 24.

Gorski, Florian T., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Insulating material. 2,550,465, Apr. 24.

Goss Printing Press Company, The, assignee: *See*— Crafts, Curtis S., and Worthington.

Gougler, C. L., Machine Company, The, assignee: *See*— Miller, Edward M.

Gourdin, Mabel E., San Mateo, Calif. Convenience package. 2,550,551, Apr. 24.

Graesser, David A., Westfield, and A. J. Matuzas, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,550,553, Apr. 24.

Graham, Harold J., Highland Park, assignor to Graham Manufacturing Corporation, Detroit, Mich. Welding boat. 2,549,804, Apr. 24.

Graham Manufacturing Corporation, assignee: *See*— Graham, Harold J.

Gray, Robert B., and R. H. Steele, assignors to Erie Resistor Corporation, Erie, Pa. Silver paint. 2,550,345, Apr. 24.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switching device. 2,550,241, Apr. 24.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Multiple contact, or gang, type relay. 2,550,242, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Manifold record material and making it. 2,550,466, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Manifold record material and making it. 2,550,467, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Manifold record material and making it. 2,550,468, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Manifold record material and making it. 2,550,469, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,550,470, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,550,471, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,550,472, Apr. 24.

Green, Barrett K., and R. W. Sandberg, assignors to The National Cash Register Company, Dayton, Ohio. Pressure sensitive record material. 2,550,473, Apr. 24.

Greenberg, Abraham, New York, N. Y. Disposable toothbrush. 2,550,190, Apr. 24.

Greenberger, Rose, Los Angeles, Calif. Ringlet hair forming device. 2,549,901, Apr. 24.

Gregg, Joseph J., Springfield, Mass. Device for opening paper cartons. 2,550,346, Apr. 24.

Gregson, Robert W.: *See*— Delano, Raymond P., Jr., and Gregson.

Grenstad, Arvid, Port Orchard, and R. B. Callison, Bremerton, Wash. Removal of optics filming coat. 2,549,805, Apr. 24.

Gridiron Steel Company, assignee: *See*— Fay, Horace B.

Grieg, Donald D.: *See*— Labin, Emile, and Grieg.

Griffin, Bessie V., Newark, N. J. Portable receptacle support. 2,550,554, Apr. 24.

Griffin, Dewey J., Wichita, Kans. Stand for Christmas trees. 2,550,009, Apr. 24.

Grigsby-Allison Co. Inc., assignee: *See*— Allison, Kenneth C.

Groot, Evert H., Amsterdam, assignor to Naamlooze Vennootschap: W. A. Scholten's Aardappelmeelfabrieken, Groningen, Netherlands. Biological production of citric acid. 2,550,243, Apr. 24.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Trigger circuits. 2,550,116, Apr. 24.

Grouse, Richard A., assignor, by mesne assignments, to A. H. Hunt Limited, Wandsworth, London, England. Apparatus for the manufacture of metallized paper for electric condensers. 2,549,966, Apr. 24.

Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Knife blade construction. 2,550,347, Apr. 24.

Guardite Corporation, assignee: *See*— Heineman, Arnold H.

Guntert and Zimmerman, assignee: *See*— Zimmerman, Leonard R.

Gurewitsch, Anatole M.: *See*— Lavoo, Norman T., and Gurewitsch.

Gusdorf, Frederik H., and E. A. van Ijzeren, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency transformer having coaxial leads. 2,550,244, Apr. 24.

Gustavsson, Lars E. H., Karlskoga, Sweden. Toolholding device for machine tools. 2,549,967, Apr. 24.

Guyton, James H.: *See*— Schwarz, Bertram A., and Guyton.

H. G. & S. Manufacturing Corp, assignee: *See*— Girardi, Chester.

H-P-M Development Corporation, assignee: *See*— Crosby, Melvin A.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Selective low-pressure desorption of liquids. 2,549,968, Apr. 24.

Haines, Harold G., assignor to General Motors Corporation, Detroit, Mich. Automatic engine stating equipment. 2,550,414, Apr. 24.

Haines, John F.: *See*— Baker, Leslie C., and Haines.

Hale, Cedric: *See*— Droege, Orville E., Hale, and Schauert.

Hall, Donald L.: *See*— Lilja, Edgar D., aand Hall.

Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible record device and divider therefor. 2,550,117, Apr. 24.

Hall, William D., Elkins, W. Va. Electric fuel igniter. 2,549,806, Apr. 24.

Hallam, Cecil A., and E. W. Reynolds, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding materials on cores under vacuum. 2,550,555, Apr. 24.

Hallum, Robert K., Brownwood, Tex. Climbing toy. 2,550,065, Apr. 24.

Haloski, Walter J., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magazine drive for magnetic wire recorders. 2,550,556, Apr. 24.

Hamacher, Edward A.: *See*— Parrish, William, and Hamacher.

Hampton, Burt L., assignor to Crosby Chemicals, Inc., De Ridder, La. Treating polymerized terpene resin. 2,550,557, Apr. 24.

Hansen, Francis F., Pittsburgh, Pa. Shortening composition and preparing the same. 2,550,558, Apr. 24.

Hansen, Johannes: *See*— Uhlmann, Erich, and Hansen.

Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,550,348, Apr. 24.

Hardesty, Ann C., administratrix: *See*— Hardesty, Eugene.

Hardesty, Eugene, deceased, New Brighton, Pa.; A. C. Hardesty, administratrix. Firing ceramic articles and apparatus therefor. 2,550,147, Apr. 24.

Hardgrove, Ralph M., Westfield, assignor to The Babcox & Wilcox Company, Rockleigh, N. J. Steam generator. 2,550,066, Apr. 24.

Harding, Lloyd V., Detroit, assignor to Le Maire Tool & Manufacturing Company, Dearborn, Mich. Multiple position spool valve for machine tools. 2,550,148, Apr. 24.

Hardwick-Hindle, Inc., assignee: *See*— Winckler, Robert H.

Harrington, John A., Minneapolis, Minn. Metal powder feed mechanism. 2,550,653, Apr. 24.

Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Stress-aging process. 2,550,474, Apr. 24.

Harris Products Company, assignee: *See*— Bradley, Dan T.

Harrison, Edwin G., Glen Ellyn, assignor to Ditto, Incorporated, Chicago, Ill. Sheet sorting mechanism. 2,550,245, Apr. 24.

Harrison, George: *See*— Zabel, Henry, Jr., and H. H., and Harrison.

Harshaw Chemical Company, The, assignee: *See*— Swinehart, Carl F., and Early.

Hart, Halten W., Toledo, Ohio. Illumination duplication for photography. 2,550,149, Apr. 24.

Hart, Harry H., assignor to The Pusey & Jones Corporation, Wilmington, Del. Fourdrinier machine. 2,550,192, Apr. 24.

Harter, Isaac, Beaver, Pa., assignor to The Babcox & Wilcox Company, Rockleigh, N. J. Method of and apparatus for welding. 2,550,641, Apr. 24.

Hartford National Bank and Trust Company, assignee, trustee: *See*— Casimir, Hendrik B. G., and Nieuwdorp. De Boer, Jan, and Schenkel. Gusdorf, Frederik H., and van Ijzeren. Kuperus, Jan, and van Alphen. Strating, Jan. Strutt, Maximilliaan J. O., and van der Ziel. Van Dorsten, Adrianus C. Veenemans, Cornelis F.

Hartley, Nelson, Baltimore, Md. Garment hanger stand. 2,550,150, Apr. 24.

Harvell Manufacturing Corporation, assignee: *See*— Tuttle, Edward S.

Haskell, James B., assignor to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Reversible turnout. 2,550,654, Apr. 24.

Hatch, Edna B.: *See*— Hatch, Walter I., and E. B.

Hatch, Walter I. and E. B., Meridian, Calif. Corset stay shield. 2,550,246, Apr. 24.

Hazeltine Research, Inc., assignee: *See*— Loughlin, Bernard D.

Heckathorn, Loyd, Garden Grove, and H. B. Rapp, assignors to H. B. and J. M. Rapp, G. A. and M. A. Sattler, B. R. Twsit, M. K. Thomas, and H. B. Rapp, Jr., copartners doing business as Towner Manufacturing Company, Santa Ana, Calif. Implement construction. 2,550,475, Apr. 24.

Heed, Jack N., Larchmont, N. Y. Inverter tube protective device. 2,549,807, Apr. 24.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Drying refrigerator coils. 2,549,809, Apr. 24.

Heinle, Carl W., East Orange, and R. E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Apparatus for producing frangible seal container parts. 2,549,808, Apr. 24.

Heldmaier, Luis, Leicester, England. Treatment of stockings and other knitted articles. 2,550,559, Apr. 24.

Helz, Philip C., Milwaukee, Wis. Pneumatic door operating device. 2,550,349, Apr. 24.

Henson, West, New York, N. Y. Lens screen to produce stereoscopic effects. 2,550,350, Apr. 24.

Herlihy, Lester G.: *See*— Jasmin, Wilfred G. and Herlihy.

Heron, Hugh D., Outremont, Quebec, Canada. Heat exchanger. 2,550,560, Apr. 24.

Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Mineral aggregate bonding composition. 2,550,476, Apr. 24.

Herskind, Carl C., and M. J. Mulhern, Schenectady, N. Y., assignors to General Electric Company. Stabilized arc suppressing system for electronic devices. 2,550,477, Apr. 24.

Hervey, David E. and R. W., Old Fort, N. C. Method of and apparatus for forming tubular articles from laminated materials. 2,549,810, Apr. 24.

Hervey, Robert W.: *See*— Hervey, David E. and R. W.

Hesemann, Bernard H., Orleans, Nebr. Manual control device. 2,549,969, Apr. 24.

Hess, Walter R.: *See*— Jensen, Lloyd B., and Hess.

Hewson, Thomas A., Medfield, assignor to Lessells and Associates, Inc., Boston, Mass. Apparatus for performing chemical tests. 2,550,067, Apr. 24.

Hibbard, Donald L., Chevy Chase, Md., and S. E. Homsey, Washington, D. C. Seat. 2,549,902, Apr. 24.

Hick, John T., Malba, N. Y. Flame detector system. 2,550,351, Apr. 24.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Powder trap. 2,549,811, Apr. 24.

Higgins, Harvey E., Enfield, Ill. Diving mouthpiece. 2,550,247, Apr. 24.

Hill, Lucy I., Liberal, Kans. Automobile hitch arrangement. 2,550,561, Apr. 24.

Hillebrand, Earl D., and J. R. Fulmer, Kankakee, Ill., assignors to Florence Stove Company, Gardner, Mass. Control mechanism for oil-burning space heaters. 2,550,478, Apr. 24.

Hilliard Corporation, The, assignee: *See*— La Brecque, Theodore A., and Proulx.

Hillman, Leon, New York, N. Y. Wind velocity measuring means. 2,549,812, Apr. 24.

Hilsher, Henry G., and R. S. Hilsher, Baltimore, Md. Massage device. 2,549,903, Apr. 24.

Hilsher, Ruth S.: *See*— Hilsher, Henry G. and R. S.

Hinkel, Emil T., Jr.: *See*— Tainter, Maurice L., and Hinkel.

Hoard, Roy C., Edinburg, Tex. Trigger-adjusting means for firearms. 2,549,904, Apr. 24.

Hobbs, Ralph E., Jr.: *See*— Maeser, Mieth, and Hobbs.

Hodgson, James W., Dover, and G. F. Vigneau, Hampton, N. H. Child's collapsible chair. 2,550,352, Apr. 24.

Hoe, R., & Co. Inc., assignee: *See*— Burls, John A. E. Huck, William F., and Stobb.

Holan, Anthony, London, England. Padlock. 2,550,655, Apr. 24.

Holton, Charles S., Largo, Fla. Brush holder. 2,550,248, Apr. 24.

Homsey, Samuel E.: *See*— Hibbard, Donald L., and Homsey.

Hoover Company, The, assignee: *See*— Vance, John E.

Hopfinger, Kurt B., Hampton-in-Arden, assignor to Weathershields Limited, Birmingham, England. Ventilation of vehicles. 2,550,353, Apr. 24.

Hotpoint Inc., assignee: *See*— McDowell, Walter R.

Hoven, Alfred C., assignor to American Seating Company, Grand Rapids, Mich. Chair back construction. 2,550,479, Apr. 24.

Howard, Stanley, assignee: *See*— Rosenberg, Leo F.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,549,970, Apr. 24.

Hubbard, Ford, Houston, Tex. Sports theater for golf. 2,550,480, Apr. 24.

Huck, William F., Forest Hills, N. Y., and A. Stobb, Union Township, Hunterdon County, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Frame support and drive means for printing machines. 2,549,813, Apr. 24.

Hudson Electrochemical Co., assignee: *See*— Treuhaft, Milton A., and Swanson.

Hudson, George D., Los Angeles, Calif., assignor to Hudson Manufacturing Company, Inc. Magnetic brake equalizing system. 2,550,068, Apr. 24.

Hudson Manufacturing Company, Inc., assignee: *See*— Hudson, George D.

Hughes, James R., Calipatria, assignor, by mesne assignments, to United Geophysical Company, Inc., Pasadena, Calif. Loading and exploding charges in a borehole. 2,550,563, Apr. 24.

Hull, Delbert E., Watsonville, Calif. Drum tuning device. 2,550,249, Apr. 24.

Hume, Horace D., Mendota, Ill. Trailer hitch. 2,549,814, Apr. 24.

Hunt, A. H., Limited, assignee: *See*— Grouse, Richard A.

Huntington, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Servo unit. 2,549,815, Apr. 24.

Huppert, Ruth E. W., executrix: *See*— Huppert, William.

Huppert, William, deceased, New York, N. Y.; R. E. W. Huppert, executrix of said W. Huppert. Electric push-button. 2,550,250, Apr. 24.

Hurt, Victor H., Cranston, and H. T. Sweet, North Providence, R. I., assignors to United States Rubber Company, New York, N. Y. Life preserver. 2,550,562, Apr. 24.

Hutton, Philip C., assignor to Silentbloc, Limited, London, England. Apparatus for assembling rubber bearings. 2,550,564, Apr. 24.

Hyatt, Clarence D., Louisville, Ky. Record cabinet. 2,550,251, Apr. 24.

Hyser, Charles L., Bronxville, N. Y., assignor to Orajet Corporation, Wilmington, Del. Dental fountain cleaner. 2,550,565, Apr. 24.

Iknayan, Alfred N., and D. A. Macdonald, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Separable backing for repair material. 2,550,151, Apr. 24.

Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Inner tube. 2,550,193, Apr. 24.

Iknayan, Alfred N., and A. B. Clayton, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Splicing rubber articles. 2,550,566, Apr. 24.

Illinois Watch Case Co., assignee: *See*— Karr, Philip L.

Illium Corporation, The, assignee: *See*— Johnson, Thomas E.

Imperial Chemical Industries Limited, assignee: *See*— Watters, Andrew J., and Shepherd.

Industrial Lining Engineers, Inc., assignee: *See*— Donnell, John W., and Tator.

Ingersoll-Rand Company, assignee: *See*— Anderson, James H.

Inland Steel Company, assignee: *See*— Carroll, Frank V.

Interior, United States of America as represented by the Secretary of the, assignee: *See*— Gee, Edwin A., and Pawel. Rorden, Harold L.

International Carbonic Engineering Company, assignee: *See*— Jones, Charles L.

International Standard Electric Corp., assignee: *See*— Charchian, Benjamin M., and Vallarino. Adams, Robert T. Baker, Leslie C., and Haines. Bray, Frederick H., and Brown. Earp, Charles W. Gohorel, Fernand P. Martinez, Clement. Theillaumas, Clement M.

Interstate Folding Box Company, The, assignee: *See*— Back, Leonard.

Inventors Enterprises, Inc., assignee: *See*— Voelker, Jane E. and E. M., and Sabbagh.

Iowa Limestone Company, assignee: *See*— Mamitt, Howard C.

Jablon, Charles W., assignor to Reverso Products Co., Brooklyn, N. Y. Support for ornamental cornice and Venetian blind. 2,549,905, Apr. 24.

Jackson, Bert S., Indianapolis, Ind. Imitation brick forming mold for concrete walls. 2,550,194, Apr. 24.

Jacobsen, Einar, Haddonfield, N. J. Mechanism for applying fibers. 2,550,354, Apr. 24.

James, Lucy B., Greenville, N. C. Foraminated vase, candle, and flower holder. 2,550,355, Apr. 24.

Jansen, Harry B., and L. F. Zielinski, Glendale, assignors to Lockhead Aircraft Corporation, Burbank, Calif. Sealable fastening device. 2,550,357, Apr. 24.

Jansson, Edvin E.: *See*— Sahlin, Börje, and Jansson.

Jantzen Knitting Mills Inc., assignee: *See*— Christensen, Bette J.

Jarvis, Samuel J., Pittsburgh, Pa. Closure for collapsible tube, having a spring biased, axially reciprocable, pressure operated outlet valve. 2,550,356, Apr. 24.

Jasmin, Wilfred G., Killingly, and L. G. Herlihy, Putnam, Conn., assignors to Bachmann Uxbridge Worsted Corporation, Uxbridge, Mass. Harness stop motion. 2,550,195, Apr. 24.

Jendrisak, Joseph E., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass bending mold. 2,550,252, Apr. 24.

Jenney, George E., Jr.: *See*—
Brown, Frank K., Philpard, and Jenney.

Jense, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Bituminous compositions. 2,550,481, Apr. 24.

Jensen, Lloyd B., Chicago, and W. R. Hess, Downers Grove, Ill., assignors, by mesne assignments, to Swift & Company. Preservation of food products. 2,550,253, Apr. 24

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Extraction of antibiotic material. 2,550,254, Apr. 24.

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,255, Apr. 24.

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,256, Apr. 24.

Jensen, Lloyd B., Chicago, and W. A. Miller, Evergreen Park, assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,257, Apr. 24.

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,258, Apr. 24.

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,259, Apr. 24.

Jensen, Lloyd B., Chicago, and W. A. Miller, Evergreen Park, assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,260, Aur. 24.

Jensen, Lloyd B., assignor to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,261, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,262, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,263, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,264, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,265, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,266, Apr. 24.

Jensen, Lloyd B., Chicago, Ill., and W. A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,267, Apr. 24.

Jensen, Lloyd B., and J. E. Sherman, assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,268, Apr. 24.

Jensen, Lloyd B., and J. E. Sherman, assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,268, Apr. 24.

Jensen, Lloyd B., and J. E. Sherman, assignors to Swift & Company, Chicago, Ill. Preservation of food products. 2,550,269, Apr. 24.

Jentzen, George, North Bergen, N. J. Noisemaker building block. 2,550,270, Apr. 24.

Jerguson Gage & Valve Company, assignee: *See*—
Van Ham, Ernest E.

Jessup, Alfred C., E. F. Emley, and P. A. Fisher, assignors to Magnesium Elektron Limited, Clifton Junction, near Manchester, England. Magnesium base alloys. 2,549,955, Apr. 24.

Johansen, Einar K.: *See*—
Glasner, Rudolph W., and Johansen.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. High-speed metal drawing press. 2,550,063, Apr. 24.

Johansen, Jens, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for feeding and weighing. 2,549,908, Apr. 24.

Johansson, Carl E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Shipping container for aircraft engines. 2,549,906, Apr. 24.

Johansson, Carl E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Shipping container for aircraft engines. 2,549,907, Apr. 24.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Control system. 2,549,971, Apr. 24.

Johnson, Frithiof V., Scotia, N. Y., assignor to General Electric Company. Sighting mechanism. 2,550,482, Apr. 24.

Johnson, Hugh B., Falls Church, Va. Portable shelter. 2,549,816, Apr. 24.

Johnson, Joseph E., Sr., Houston, Tex. Clutch release bearing lubricating device. 2,549,817, Apr. 24.

Johnson, Leo H.: *See*—
McCann, William F., and Johnson.

Johnson, Thomas E., Freeport, Ill., assignor to The Illium Corporation. Centrifugal casting machine. 2,550,642, Apr. 24.

Jones, Charles L., New York, N. Y., assignor to International Carbonic Engineering Company, Wilmington, Del. Composite solid carbon dioxide. 2,550,196, Apr. 24.

Jones Graphic Products Company, assignee: *See*—
Brown, Clarence A.

Jones, Joe A., Falls Church, Va., assignor of one-third to R. B. Larson, Washington, D. C. Tuning control for television sets. 2,550,483, Apr. 24.

Jones, Thomas R., Chicago, assignor of one-fifth to J. P. Smith, Oak Park, Ill. Releasable and reversible floating toolholder. 2,549,972, Apr. 24.

Joy, Joseph F., Warren, Ohio. Sealing device. 2,549,818, Apr. 24.

Joynes, Ernest R., Oakland, Calif. Automatic time valve. 2,549,909, Apr. 24.

Jupnik, Helen: *See*—
Pride, Gilbert E., Osterberg, and Jupnik.

Kagel, John T., Sr., Jamaica, N. Y. Fishing line reel. 2,550,271, Apr. 24.

Kammermeyer, George C., St. Louis, Mo. Tripod for photographic purposes. 2,550,415, Apr. 24.

Kane, Saul A., Washington, D. C. Axial flow compressor cooling system. 2,549,819, Apr. 24.

Karr, Philip L., Chicago, Ill., assignor to Illinois Watch Case Co. Film projector. 2,550,272, Apr. 24.

Karstens, Walter F.: *See*—
Vidrick, Thomas J., and Karstens.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Clothes drier. 2,550,118, Apr. 24.

Kaufman, Max, assignee: *See*—
Mosberg, Abraham.

Kaut, William, Jr., L. F. Lauman, and F. J. Winter, Jr., Dixon, Mo. Infant's shoe. 2,550,484, Apr. 24.

Kavalar, Alfred, Detroit, Mich. One-way engaging wrench having guided work-engaging rollers. 2,550,010, Apr. 24.

Kehoe, Ellsworth A., and T. R. Burr, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Plastic cap making apparatus. 2,550,567, Apr. 24.

Kennedy, Henry A., Philadelphia, Pa., assignor to National Battery Company, St. Paul, Minn. Storage battery liquid level controller. 2,550,152, Apr. 24.

Kenworth Manufacturing & Stamping Co., assignee: *See*—
Rehfeldt, Hermann.

Kersh, Ronald C., Monterrey, Mexico. Device for weaning infants. 2,550,568, Apr. 24.

Ketterman, Sylvan K., Muncie, Ind. Piano action. 2,550,153, Apr. 24.

Keystone Bakery, Inc., assignee: *See*—
Braun, Louis H.

Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis catalyst. 2,550,416, Apr. 24.

Kinzle, Arthur R., Davenport, Iowa. Ammunition repair apparatus. 2,549,820, Apr. 24.

Kirk, Wayne C., South Bend, Ind., and M. K. Parkhurst; said Kirk assignor to L. W. Burch, New York, N. Y. Thermostatically controled mixing valve. 2,550,069, Apr. 24.

Klasing, Arthur P. *See*—
George, Walter C., and Klasing.

Klein, Clarence F., assignor to Frankenberg Bros., Inc., Columbus, Ohio. Novelty paperboard carton. 2,550,417, Apr. 24.

Klein, Matthew J., Maywood, Ill. Paper shredding apparatus. 2,549,973, Apr. 24.

Klein, Norman E., Stamford, Conn., assignor to Deering Milliken Research Trust, Pendleton, S. C. Double-twist twisting mechanism. 2,549,821, Apr. 24.

Klug, Charles W., assignor to Stewart-Warner Corporation, Chicago, Ill. Gas detection apparatus. 2,549,974, Apr. 24.

Knechtges, John W., Chicago, Ill., assignor, by mesne assignments, to Swift & Company. Ice cream manufacture. 2,550,656, Apr. 24.

Knitter, Elmer T., Cleveland, Ohio. Feed mechanism. 2,549,975, Apr. 24.

Kobler, Robert T., and C. A. Spaulding, Jr., assignors to The Refinite Corporation, Omaha, Nebr. Control valve. 2,550,011, Apr. 24.

Kolacy, Charles, Bloomfield, N. J. Serving tray. 2,550,154, Apr. 24.

Koonce, Wilbur E., assignor to Masonite Corporation, Laurel, Miss. Binder for foundry compositions. 2,549,822, Apr. 24.

Kost, Alwin, Portland, Oreg. Setscrew locking means. 2,549,823, Apr. 24.

Kost, Alwin, Portland, Oreg. Clothes-washing machine. 2,549,824, Apr. 24.

Krafka, Stefan, Cicero, Ill. Drill press speed reducing assembly. 2,550,012, Apr. 24.

Kraft, Lee F., Cleveland, Ohio. Printing press delivery mechanism. 2,550,155, Apr. 24.

Kraybill, Victor H., Hollywood, Ill. Flicker voltage and current measuring and recording apparatus. 2,549,976, Apr. 24.

Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle tip. 2,550,273, Apr. 24.

Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Grab iron or ladder rung. 2,550,274, Apr. 24.

Kundtz, Leo R., Lakewood, and A. J. Frey, Jr., Rocky River, Ohio, assignors to Products Packaging, Inc. Dispensing closure for powder container, having a wall depressible to effect pneumatic discharge of container contents. 2,549,977, Apr. 24.

Kuperus, Jan, and P. M. van Alphen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Schmidt television projector housing having object surface adjustability in three mutually perpendicular directions. 2,549,978, Apr. 24.

Kureth, Irven W., Monroe, Mich. Dynamoelectric machine. 2,550,013, Apr. 24.

Kuzmick, Jerome F.: *See*—
Shaw, John D., and Kuzmick.

Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Receiver. 2,549,825, Apr. 24.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex electrical pulse communication system. 2,549,826, Apr. 24.

La Brecque, Theodore A., and E. H. Proulx, Elmira, assignors to The Hilliard Corporation, New York, N. Y. Making filter units. 2,550,070, Apr. 24.

Lamar, Edward S.: *See*—
Mouzon, James C., Lamar, and Bardeen.

Lamm, Uno, and M. Böckman, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Control system for three-phase motors. 2,550,569, Apr. 24.

Lamport Company, Inc., The, assignee: *See*—
Mishkin, Irving J.

Lane, Albert M., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,549,979, Apr. 24.

Lane, Charles E., Jensen Beach, Fla., assignor to The Borden Company, New York, N. Y. Processing oil and the product produced. 2,550,570, Apr. 24.

Lane, Howard H., assignor of fifty per cent to L. Lawson, Dearborn, Mich. Vehicle-wheel wrench and extension-handle assembly. 2,549,910, Apr. 24.

Larkin, Joseph S., Dauphin, Pa. Trench digging attachment for tractors. 2,550,071, Apr. 24.

Larson, Roberts B., assignee: *See*—
Jones, Joe A.

Laufer, Louis, Brooklyn, and E. D. Stewart, White Plains, N. Y., assignors to Schwarz Laboratories, Inc. Recovery of adenylic acid. 2,549,827, Apr. 24.

Lauman, Louis F.: *See*—
Kaut, William, Jr., Lauman, and Winter.

Lavoo, Norman T., and A. M. Gurewitsch, Schenectady, N. Y., assignors to General Electric Company. Ultra high frequency electric discharge device and cavity resonator apparatus therefor. 2,550,485, Apr. 24.

Lawson, Lloyd, assignee: *See*—
Lane, Howard H.

Lee, Robert D., South Gate, Calif. Pipe layout machine. 2,549,911, Apr. 24.

Legg, David A.: *See*—
Beesch, Samuel C., and Legg.

Le Grand, John P., and N. W. Young, Detroit, Mich. Spark plug terminal protector. 2,550,358, Apr. 24.

Leiding, Elmer A., W. J. Nelson, and S. Rutka, Orr, Minn. Fishing line drier. 2,550,275, Apr. 24.

Le Maire Tool & Manufacturing Company, assignee: *See*—
Harding, Lloyd V.

Lenz, Joseph, Represa, Calif. Electric picking device for stringed instruments. 2,550,276, Apr. 24.

Lenz, Walter H.: *See*—
Riegel, Glen C., Alexander, and Lenz.

Leppert, Melvin L., Washington, D. C. Modulation system. 2,549,828, Apr. 24.

Lessells and Associates, Inc., assignee: *See*—
Hewson, Thomas A.

Levy, Sidney E., Brooklyn, assignor, by mesne assignments, to University Loudspeakers, Inc., New York, N. Y. Loud-speaker mounting. 2,550,359, Apr. 24.

Lewis, Utmont R., Seattle, Wash. Power network for sawmill carriages. 2,550,360, Apr. 24.

Lhermitte, Yves, and R. Besson, assignors to Societe Anonyme dite: Glaces et Cremes Glacees Ch. Gervais, Boblgny, France. Cold holdover element. 2,550,277, Apr. 24.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Jendrisak, Joseph E.
Oberstar, Edward C.

Liberty Planers, assignee: *See*—
Thomas, Louis G. L.

Lilja, Edgar D., and D. L. Hall, assignors to Barber-Colman Company, Rockford, Ill. Control for servo actuators. 2,549,829, Apr. 24.

Lindsay, Lionel G., Los Angeles, Calif. Supporting structure for a plurality of rolls. 2,549,912, Apr. 24.

Lindström, Alrik C., Stockholm, Sweden. Mercury switch. 2,550,073, Apr. 24.

Lindvall, Frederick C., Altadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,550,072, Apr. 24.

Lisbon, Julius E., Oakland, Calif. Nutcracker automatically adjusted to crack nuts of various sizes. 2,550,197, Apr. 24.

Litman, Bernard, Bronx, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Axial-gap motor. 2,550,571, Apr. 24.

Little, Glenn A.: *See*—
Scherr, Harry, and Little.

Littlehale, Bradner M.: *See*—
Gillich, Stephen G., and Littlehale.

Lituchy, Noel J., Cedar Rapids, Iowa, assignor to General Motors Corporation, Detroit, Mich. Shielded electrical connector for spark plugs. 2,550,014, Apr. 24.

Lockheed Aircraft Corporation, assignee: *See*—
Duffendack, John C., Jr., and Tjossem.
Jansen, Harry B., and Zielinski.
Redford, John E.
Simon, Eli, and Carasso.

Löfgren, Sigfrid, assignor to Madrass-Fabriken Dux Aktiebolag, Malmo, Sweden. Sitting furniture. 2,550,361, Apr. 24.

Logan, Malcolm H., and A. O. Criswell, Boise, Idaho. Petrographic slide holder. 2,549,830, Apr. 24.

Logie, Thomas T., assignor to The Stratfield Company, Bridgeport, Conn. Container. 2,550,362, Apr. 24.

Long, L. D., assignee: *See*—
Cotner, John C.

Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conversion system. 2,549,831, Apr. 24.

Loomis, Demetrios P., Flushing, N. Y. Container and cap therefor. 2,550,572, Apr. 24.

Loper, Douglas A.: *See*—
Young, Howard H., Loper, and Fields.

Lord Manufacturing Company, assignee: *See*—
Wallerstein, Leon, Jr.

Loria, Anthony: *See*—
Dickey, Joseph B., and Loria.

Loughlin, Bernard D., Bayside, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal transformer. 2,550,486, Apr. 24.

Lovell Manufacturing Company, assignee: *See*—
Kauffman, Walter L., II.

Lundberg, George T.: *See*—
Burks, George E., Lundberg, and Nichols.

Lundburg, Frank J.: *See*—
De Rosa, Louis A., Lundburg, and Capen.

Luten, Daniel B., Jr., B. O. Blackburn, and F. M. McMillan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lactam plasticizer for rubbers. 2,550,363, Apr. 24.

Luxfer Limited, assignee: *See*—
Bridge, Archibald C.

Lyman, Samuel, Union, N. J., assignor to Buensod-Stacey, Inc., New York, N. Y. Whirler spray nozzle with overhanging lip. 2,550,573, Apr. 24.

Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator construction. 2,550,574, Apr. 24.

Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Interchangeable conveyer frame units. 2,550,156, Apr. 24.

Lytton, Marion R., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Copolymer of acrylonitrile and isobutene and its production. 2,549,913, Apr. 24.

Mauge, Alfred E., Jr., assignor to M. A. Gerett Corporation, Milwaukee, Wis. Coin actuated calendar bank. 2,550,364, Apr. 24.

MacClatchie, John W., Los Angeles, Calif. Rod wiper. 2,550,487, Apr. 24.

Macdonald, Donald A.: *See*—
Iknayan, Alfred N., and Macdonald.

MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve. 2,550,418, Apr. 24.

Machesney, Henry, Brentwood, Pa. Toy handcar. 2,549,980, Apr. 24.

Mack, Dick A.: *See*—
Farly, George M., and Mack.

Mackta, Leo, Brooklyn, N. Y. Replaceable gun lining. 2,549,832, Apr. 24.

Madrass-Fabriken Dux Aktiebolag, assignee: *See*—
Löfgren, Sigfrid.

Maeser, Mieth, Beverly, and R. E. Hobbs, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Double activation with conditioning for sole attaching. 2,549,981, Apr. 24.

Maffitt, Howard C., assignor to Iowa Limestone Company, Des Moines, Iowa. Preventing loss of iodine from iodine in the elementary state and all of its compounds. 2,550,015, Apr. 24.

Magneslum Elektron Limited, assignee: *See*—
Jessup, Alfred C., Emley, and Fisher.

Mainwaring, John L., and H. E. Campbell, Parma, assignors to The Clark Manufacturing Company, Cleveland, Ohio. Steam trap. 2,550,643, Apr. 24.

Makhonine, Jean, Paris, France. Variable surface wings and tail fins in flying machines. 2,550,278, Apr. 24.

Malcom, Robert L., Chicago, Ill., assignor to Chicago Eye Shield Company. Adjustable headband construction. 2,550,575, Apr. 24.

Mamer, John W., Berkeley, Calif. Folding easel. 2,550,279, Apr. 24.

Maners, David F., San Francisco, Calif., assignor to Beautymaster, Inc. Oscillating apparatus. 2,550,016, Apr. 24.

Marbury, Ralph E., and W. H. Cuttino, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Signal and protective system for shunt capacitor banks. 2,550,119, Apr. 24.

Marhofer, Edwin G.: *See*—
Crouch, Willie W., and Marhofer.

Marsh, Charles R., State College, Pa., assignor to The United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,550,488, Apr. 24.

Marshall, Fitz-Hugh B.: *See*—
Coltman, John W., Marshall.

Marshall, Harry G., New Westminster, British Columbia, Canada. Adjustable vehicle spring assembly. 2,550,074, Apr. 24.

Marshall, Herbert Stanley, Purley, England. Cording. 2,550,576, Apr. 24.

Martin, Earnest E., Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y. Hose reeling apparatus. 2,550,120, Apr. 24.

Martin, George A., Cranford, N. J., assignor to Standard Oil Development Company. Industrial infrared analyzer. 2,550,419, Apr. 24.

Martin, Edgar D., and G. E. Martin, Corning, Ohio. Semi-automatic rifle. 2,550,280, Apr. 24.

Martin, George E.: *See*—
Martin, Edgar D., and G. E.

Martin, Gustav J., Philadelphia, and S. Avakian, Orland, assignors to The National Drug Company, Philadelphia, Pa. Alkyl-aminoalkyl esters of 3-benzothienylhydroxyacetic acid. 2,550,017, Apr. 24.

Martin, Gustav J., and J. N. Moss, assignors to The National Drug Company, Philadelphia, Pa. Ulcer therapy composition. 2,550,489, Apr. 24.

Martin, John E.: *See*—
Berg, Louis B., and Martin.

Martin, Philip, North Hollywood, Calif. Appliance timing controller. 2,550,281, Apr. 24.

Martin, William H., North Hollywood, Calif. Saucer. 2,550,075, Apr. 24.

Martinez, Clement, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Amplifier bias voltage power supply. 2,549,833, Apr. 24.

Marzin, Pierre and R. Sueur, Paris, France. Coaxial-cable carrier system. 2,550,198, Apr. 24.

Masonite Corporation, assignee: *See*—
Koonce, Wilbur E.

Matuzas, Anthony J.: *See*—
Graesser, David A., and Matuzas.

Mayle, Louis F., Fort Wayne, Ind., assignor to Farnsworth Television & Radio Corporation. Control circuit for multiple sound reproducers. 2,549,834, Apr. 24.

Mazza, Eric, Bronx, N. Y. Pump and filling plug. 2,550,157, Apr. 24.

McAvoy, Theodore E., Chicago, Ill. Fishing trolley line signal and weight indicator. 2,550,282, Apr. 24.

McGerty, Frank R., Mansfield, assignor to The North Electric Manufacturing Company, Galion, Ohio. Relay construction. 2,550,577, Apr. 24.

McGerty, Robert K., assignor to The North Electric Manufacturing Company, Galion, Ohio. Relay construction. 2,550,578, Apr. 24.

McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Stringed musical instrument. 2,549,914, Apr. 24.

McCann, William F., Los Angeles, Calif., and L. H. Johnson, Peoria, Ill. Mobile gun carriage. 2,549,835, Apr. 24.

McCarl, Clifford, San Diego, Calif. Apparatus for making frozen confections. 2,549,915, Apr. 24.

McCarron, Lewis H., Los Angeles, Calif. Fire alarm. 2,550,076, Apr. 24.

McCarthy, George L., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Endorsing machine. 2,550,644, Apr. 24.

McCormick, J. Lynn, Indianapolis, Ind. Clothes rack. 2,550,158, Apr. 24.

McDonald, Guy A., Chicago Heights, Ill., assignor to Victor Chemical Works. Complex alkali metal-aluminum and alkali metal-iron acid phosphates. 2,550,490, Apr. 24.

McDonald, Guy A., Chicago Heights, Ill., assignor to Victor Chemical Works. Baking composition. 2,550,491, Apr. 24.

McDonald, Jack A., Duluth, Minn. Portable roof for open-hearth furnaces. 2,550,078, Apr. 24.

McDowell, Walter R., Westchester, Ill., assignor to Hotpoint Inc. Heating circuit control for electric ranges. 2,550,579, Apr. 24.

McGlade, Hugh B., Columbus, Ohio. Induction coil. 2,550,283, Apr. 24.

McHarness, Robert C.: *See*—
Benning, Anthony F., McHarness, Richards, and Feldmann.

McIntyre, Archibald R., and A. L. Dunn, Omaha, Nebr. Electrode-carrying headgear for electro-encephalographic analysis. 2,549,836, Apr. 24.

McKenzie, Clarence M., Canfield, Ohio. Ladder clamp. 2,550,365, Apr. 24.

McKhann, Charles F., Bratenahl, and G. A. Briemont, Berea, assignors to Diapette, Inc., Bratenahl, Ohio. Diaper pants and pad for same. 2,549,982, Apr. 24.

McLeod, Roderick C., and G. B. R. Feilden, Leicester, assignors to Power Jets (Research & Development) Limited, London, England. Flexible coupling for shafts and the like. 2,550,580, Apr. 24.

McMillan, Frank M.: *See*—
Luten, Daniel B., Jr., Blackburn, and McMillan.

McNatt, Eugene M., Tulsa, Okla., assignor to Standard Oil Development Company. Drilling rate logger. 2,550,420, Apr. 24.

McShan, Clarence H.: *See*—
Meaker, John W., and McShan.

Meaker, John W., New York, N. Y., and C. H. McShan, Newark, N. J., said McShan assignor to said Meaker. Method and apparatus for electroperforating sheet material. 2,550,366, Apr. 24.

Mecanique et Transmission Metran, assignee: *See*—
Estoup, Jean.

Medd, Ruth E., Des Moines, Iowa. Garment. 2,550,121, Apr. 24.

Meeks, James W.: *See*—
Benigan, Thomas F., Jr., Meeks, and Planck.

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Credit balance mechanism for calculating machines. 2,550,581, Apr. 24.

Meier, Wilber L., Chatham, N. J. Insulator shield. 2,550,367, Apr. 24.

Meller, Reginald B., Oakland, Calif., assignor to Bemiss-Jason Company. Interlocking corner construction for containers. 2,550,582, Apr. 24.

Merritt, William G., Alameda, Calif. Apparatus for washing bearings. 2,549,837, Apr. 24.

Mesh, William E., Teaneck, assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,549,916, Apr. 24.

Michael, Marshall T., Perry, Kans. Adjustable oarlock. 2,550,368, Apr. 24.

Mickelson, Alfred O., Elmhurst, assignor to Pipe Line Service Corporation, Franklin Park, Ill. Pipe handling gear. 2,550,159, Apr. 24.

Mikulak, John, Nescopeck, J. A. Sober, Bloomsburg, and E. B. Sult, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Welded journal box. 2,550,284, Apr. 24.

Milbrandt, Wallace C., Milwaukee, Wis. Display cover device. 2,549,917, Apr. 24.

Millar, John H., Little Compton, R. I. Flexible hose coupling. 2,550,583, Apr. 24.

Millar, Norval P., Danvers, Mass., assignor to General Electric Company. Hall effect alternating current measuring apparatus. 2,550,492, Apr. 24.

Millendorf, Alfred J.: *See*—
Beck, Roland A., Sensel, and Millendorf.

Miller, Edward M., assignor to The C. L. Gougler Machine Company, Kent, Ohio. Deadlocking latch. 2,549,983, Apr. 24.

Miller, Frank R., Denver, Colo. Tool for splicing wires. 2,549,838, Apr. 24.

Miller, Harold J., Detroit, Mich. Movable shelf. 2,549,984, Apr. 24.

Miller, Joseph G., Wilmington, Calif. Sheet metal handling tool. 2,549,918, Apr. 24.

Miller, William A.: *See*—
Jensen, Lloyd B., and Miller.

Mills, John C., Wolverhampton, England. Pickling or liquor-processing articles. 2,550,077, Apr. 24.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Huntington, William L.
Wild, Rudolf F.

Mishkin, Irving J., assignor to The Lamport Company, Inc., New York, N. Y. Packaged piece goods. 2,550,285, Apr. 24.

Mittelmann, Eugene, Chicago, Ill. Milk pasteurization method and apparatus. 2,550,584, Apr. 24.

Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Wiring unit. 2,550,079, Apr. 24.

Moller, Poul, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Airswept rotary mill or drum having separate discharge means for air and ground material. 2,549,919, Apr. 24.

Mollis, Charles L., Los Angeles, Calif. Shuttle stitcher for forming a single thread lock stitch. 2,549,839, Apr. 24.

Monk, Frederick A., Scarboro Post Office, Ontario, Canada. Magazine for multigraph machines or the like. 2,550,160, Apr. 24.

Monroe Auto Equipment Company, assignee: *See*—
Smith, Charles J.
Spiess, Roy G., Jr., and Read.

Monsanto Chemical Company, assignee: *See*—
Baker, Charles M.

Montgomery, Edna M., Peoria Heights, and F. B. Weakley, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Separation and fractionation of sugars. 2,549,840, Apr. 24.

Moody, Norman F.: *See*—
Williams, Frederic C., and Moody.

Moore, George W., Long Beach, Calif. Hydraulic type fishing tool for drilled wells. 2,550,080, Apr. 24.

Moore, Richard E.: *See*—
Carson, Howard, and Moore.

Morcillion, Albert E., Yverdon, Switzerland, assignor to Dunlop Rubber Company Limited, London, England. Single-acting reciprocating engine. 2,550,369, Apr. 24.

Morley, William E.: *See*—
Rouse, William C., and Morley.

Morrison, John A., and R. H. Weiland, Seattle, Wash., assignors to Boeing Airplane Company. Quick-acting tensioning connector. 2,550,018, Apr. 24.

Morrow, David, and C. E. Cummiskey, U. S. Navy. Adjustable quick release strap splice. 2,549,841, Apr. 24.

Morton, Charles A., assignee: *See*—
Button, Fred L.

Morton, Lewis M., Dallas, Tex. Cigarette holder. 2,550,286, Apr. 24.

Mosberg, Abraham, assignor of thirty per cent to D. Fischbein, twenty per cent to M. Kaufman, and twenty per cent to A. Fuchs, New York, N. Y. Button sewing attachment for sewing machines. 2,549,920, Apr. 24.

Moser, Frank H., assignor to The Standard Ultramarine Company, Huntington, W. Va. Producing polyhalophthalocyanine pigments. 2,549,842, Apr. 24.

Mosier, Edwin K., Closter, and F. X. Gilg, Chatham, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Water tube boiler with upper and lower transverse drums. 2,549,843, Apr. 24.

Mosley, Samuel A., St. Albans, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Polymerization of vinyl alkyl ethers with aluminum hexahydrosulfate. 2,549,921, Apr. 24.

Moss, Jack N.: *See*—
Martin, Gustav J., and Moss.

Moss, Jerry, Chicago, Ill. Handbag. 2,550,199, Apr. 24.

Mottern, Henry O., Bloomfield, N. J., assignor to Standard Oil Development Company. Dehydrogenation catalyst. 2,549,844, Apr. 24.

Mount Airy Knitting Co., assignee: *See*—
Crossingham, James H.

Mouzon, James C., Philadelphia, Pa., E. S. Lamar, Rockville, Md., and J. Bardeen, Washington, D. C. Ship's magnetic submarine detector. 2,549,845, Apr. 24.

Mueller, Erwin H., Grosse Pointe, Mich. Lock for valve caps or the like. 2,550,421, Apr. 24.

Mueller, John, Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Printing interpreter. 2,550,370, Apr. 24.

Mulatti, Ivano and L. Cremonini, Milan, Italy. Shuttle replenishing mechanism. 2,550,287, Apr. 24.

Mulhern, Marvin J.: *See*—
Herskind, Carl C., and Mulhern.

Murphy, Bernard J., St. Paul, Minn. Receptacle holder. 2,550,019, Apr. 24.

Murphy, Richard P., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone identification circuit. 2,550,585, Apr. 24.

Murrell, William P., Norman, Okla. Auxiliary seat for bicycles. 2,550,200, Apr. 24.

Naamlooze Vennootschap: W. A. Scholten's Aardappelmeelfabrieken, assignee: *See*—
Groot, Evert H.

Naps, Marguerite, Oakland, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Bituminous compositions. 2,550,371, Apr. 24.

Nardone, Dante J., Brooklyn, assignor to A. Sartorius & Co. Inc., New York, N. Y. Bottle, cap, and brush. 2,550,586, Apr. 24.

National Automotive Fibres, Inc., assignee: *See*—
Davies, Clarence J.

National Battery Company, assignee: *See*—
Kennedy, Henry A.

National Cash Register Company, The, assignee: *See*—
Green, Barrett K., and Sandberg.

National Drug Company, The, assignee: *See*—
Martin, Gustav J., and Arakian.
Martin, Gustav J., and Moss.

National Lead Company, assignee: *See*—
Blumenthal, Warren B.

National Lock Washer Company, The, assignee: *See*—
Schunk, Joseph.

National Organ Supply Company, assignee: *See*—
Woods, William E.

National Supply Company, The, assignee: *See*—
Willke, Herbert L.

Naul, James M., Plainfield, N. J. Fluid operated control mechanism for electric motors. 2,550,422, Apr. 24.

Navy, United States of America as represented by the Secretary of, The, assignee: *See*—
Lindvall, Frederick C.
Tindal, Charles H., and Davis.

Neier, Reinhard, and W. Wehrli, assignors to Sandoz Limited, Basel, Switzerland. Metallizable monoazo dyestuffs and their manufacture. 2,549,922, Apr. 24.

Neja, Ambrose A., Anaheim, Calif. Box stacking apparatus. 2,550,587, Apr. 24.

Nelson, Milton A., Rockford, Ill. Extensible flashlight. 2,550,423, Apr. 24.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Electron coupled magnetron oscillator. 2,549,846, Apr. 24.

Nelson, William J.: *See*—
Leiding, Elmer A., Nelson, and Rutka.

Nesbitt, Clifford W., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Air-heating furnace and hollow baffle structure therefor. 2,550,081, Apr. 24.

New Britain Machine Company, The, assignee: *See*—
Retz, William B.

Nichols, Frank S.: *See*—
Oxley, Horace F., Thomas, and Nichols.

Nichols, Howard D.: *See*—
Burks, George E., Lundberg, and Nichols.

Nieuwdorp, Hendrik: *See*—
Casimir, Hendrik B. G., and Nieuwdorp.

Nordquist, Ronald E. J.: *See*—
Heinle, Carl W., and Nordquist.

Normington, James B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Laminated shoe upper. 2,549,985, Apr. 24.

North American Aviation, Inc., assignee: *See*—
Oberholtzer, John M.

North Brothers Manufacturing Company, assignee: *See*—
Welz, Albert.

North, Charles E., Montclair, N. J. Clarifying butterfat. 2,550,288, Apr. 24.

North Electric Manufacturing Company, The, assignee: *See*—
McBerty, Frank R.
McBerty, Robert K.

Nyqvist, Halvar, executor: *See*—
Sablin, Börje, and Jansson.

Nystrom, Alfred V.: *See*—
Birch, Thomas H., and Nystrom.

Oberholtzer, John M., Los Angeles, Calif., assignor to North American Aviation, Inc. Ring dynamometer. 2,550,588, Apr. 24.

Oberstar, Edward C., Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edge finishing machine. 2,550,289, Apr. 24.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Vacuum tube oscillator. 2,549,923, Apr. 24.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon system. 2,550,372, Apr. 24.

Ohlson, Reynold A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Dustproof box. 2,550,493, Apr. 24.

Oldofredi, Edgar C. V., New York, N. Y. Producing decorated materials. 2,549,847, Apr. 24.

Olien, Henry C., and N. S. Geisenheimer, Milwaukee, assignors to Cudahy Brothers Company, Cudahy, Wis. Curing of meat. 2,549,924, Apr. 24.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Salts of 3,6 endoxohexahydrophthalic acid. 2,550,494, Apr. 24.

Oliver, John R., Springfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Transmitting mechanical motion through a fluid-tight wall. 2,549,986, Apr. 24.

Orajet Corporation, assignee: *See*—
Hyser, Charles L.

Orme, Norman L., Jr., Asheville, N. C. Liquid floating device. 2,550,589, Apr. 24.

Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Rotary turbine-type hydraulic torque converter. 2,550,082, Apr. 24.

Ortloff, John E., and W. B. Woody, assignors to Franks Mahufacturing Corporation, Tulsa, Okla. Fluid pressure operated clutch. 2,550,373, Apr. 24.

Osbon, William O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,550,122, Apr. 24.

Oster, John, Manufacturing Company, assignee: *See*—
Brown, Ellis M., and Forss.

Osterberg, Harold: *See*—
Pride, Gilbert E., Osterberg, and Jupnik.

Ostravske Chemicke Zavody, Narodni Podnik, assignee: *See*—
Šmíd, Otakar.

Otto, Carl, Manhasset, N. Y. Spray saturator crystallizer. 2,549,848, Apr. 24.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Gorski, Florian T.

Owens, Robert S., Charlottesville, Va. Cork substitute and making same. 2,549,849, Apr. 24.

Oxley, Horace F., and E. B. Thomas, Spondon, near Derby, England, and F. S. Nichols, Pittsfield, Mass., assignors to Celanese Corporation of America. Manufacture of primary amines. 2,550,020, Apr. 24.

P. W. Products Corporation, assignee: *See*—
Wilcox, Granville M., and D'Angelo.

Package Machinery Company, assignee: *See*—
Lyon, Norman W.

Padbury, John J.: *See*—
Drechsel, Erhart K., and Padbury.

Palmer, James R.: *See*—
Wasson, Orville, and Palmer.

Palmer, Jewell S., Wooster, Tex., assignor to Standard Oil Development Company. Handling suspensions. 2,550,374, Apr. 24.

Palmer, William C., assignee: *See*—
Schnepp, Ottmar.

Parisi, Charles W., Maywood, assignor to J. T. Parisi, doing business as Pekay Machine Co., Chicago, Ill. Articulated roller conveyer. 2,550,201, Apr. 24.

Parisi, Jules T., assignee: *See*—
Parisi, Charles W.

Parker, John E. T.: *See*—
Terroni, Teseo B. D., and Parker.

Parkhurst, Malcolm K.: *See*—
Kirk, Wayne C., and Parkhurst.

Parmilleux, Jean, Lyon, France. Apparatus for the mechanical actuation of agricultural implements. 2,550,590, Apr. 24.

Parrish, William, Hastinga, and E. A. Hamacher, Irvington, assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. X-ray diffraction method. 2,549,987, Apr. 24.

Parsons, John B., Maumee, assignor to M. W. Fraser, Toledo, Ohio, trustee. Tube fitting assembly. 2,550,591, Apr. 24.

Passe, Charles F.: *See*—
Bennett, Ralph S., and Passe.

Paton, Clyde R., Bloomfield Village, Mich. Motor vehicle. 2,549,925, Apr. 24.

Pawel, Morton T.: *See*—
Gee, Edwin A., and Pawel.

Pazdernik, Edwin J., Campbell, Minn. Spring trailer coupler. 2,550,083, Apr. 24.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Door counterbalance. 2,550,161, Apr. 24.

Pearce, Ralph R., Hampton, assignor to Electric & Musical Industries Limited, Hayes, England. Focusing coil for cathode-ray tubes. 2,550,592, Apr. 24.

Pedersen, Peter F., Allen Park, Mich. Fireplace screen hanger. 2,549,850, Apr. 24.

Pekay Machine Co., assignee: *See*—
Parisi, Charles W.

Pelzer, Harry L., Steger, Ill., and K. M. Watson, Madison, Wis., assignors to Sinclair Refining Company, New York, N. Y. Catalytic cracking of hydrocarbons. 2,550,290, Apr. 24.

Penn, Penn W., Ravenna, Ohio. Positive grip lifting tool. 2,550,424, Apr. 24.

Pentek, Joseph J., San Carlos, Calif. Key holder. 2,550,375, Apr. 24.

Perkins, Melvin A., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Manufacture of organic fluorine compounds. 2,549,988, Apr. 24.

Perry, Wesley, Towanda, Pa. Chair for use of invalids and aged persons. 2,550,593, Apr. 24.

Peters, Clifford M.: *See*—
Garrett, Henry F., and Peters.

Peters, John F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnet. 2,550,123, Apr. 24.

Peterson, Erick B. J., Minneapolis, Minn. Artificial fish bait. 2,550,376, Apr. 24.

Petrakakis, Emanuel, New York, N. Y. Fluted shield for headlights. 2,550,594, Apr. 24.

Petroff, Merlin, Lake Bluff, assignor to Stewart-Warner Corporation, Chicago, Ill. Tuning assembly. 2,550,162, Apr. 24.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Equalizer for transmission lines. 2,550,595, Apr. 24.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Equalizer for transmission lines. 2,550,596, Apr. 24.

Phelps, Henry V., Nitta Yuma, Miss. Cotton seed planter. 2,550,291, Apr. 24.

Phenning, John H., assignor to Vulcan Manufacturing Co. Inc., Winona, Minn. Rigid handle axle jack. 2,550,163, Apr. 24.

Philco Corporation, assignee: *See*—
Amore, Leo J.

Philips Laboratories, Inc., assignee: *See*—
Parrish, William, and Hamacher.

Phillips, Cecil, Jr., Baytown, Tex., assignor to Standard Oil Development Company, Elizabeth, N. J. Suppression of corrosion. 2,550,425, Apr. 24.

Phillips, Charles H., Richmond, Va. Bed. 2,550,426, Apr. 24.

Phillips, Edwin M., East Orange, N. J. Ring binder. 2,550,597, Apr. 24.

Phillips Petroleum Company, assignee: *See*—
Crouch, Willie W., and Marhofer.
Gibson, James D.
Hachmuth, Karl H.

Phipard, Harvey F., Jr.: *See*—
Brown, Frank K., Phipard, and Jenney.

Pilia, Frank J., Springfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Gas blanketed arc welding. 2,550,495, Apr. 24.

Pipe Line Service Corporation, assignee: *See*—
Mickelson, Alfred O.

Planck, Ralph W.: *See*—
Banigan, Thomas F., Jr., Meeks, and Planck.

Platis, John, Corpus Christi, Tex. Mattress. 2,550,293, Apr. 24.

Platis, John, Corpus Christi, Tex. Bed spring. 2,550,294, Apr. 24.

Platt, John D.: *See*—
Platt, Leland H., L. H. Jr., and J. D.

Platt, Leland H., L. H. Platt, Jr., and J. D. Platt, Los Angeles, Calif. Produce box lidder. 2,550,292, Apr. 24.

Platt, Leland H., Jr.: *See*—
Platt, Leland H., L. H., Jr., and J. D.

Pneumatic Scale Corporation Limited, assignee: *See*—
Howard, Stanley R.

Pollock, Martin S., New York, N. Y. List finder. 2,550,598, Apr. 24.

Pope, Louis C., Vicksburg, Miss. Hydraulic pumping apparatus. 2,549,851, Apr. 24.

Porete Manufacturing Company, assignee: *See*—
Walter, Ernest.

Portable Industries, Inc., assignee: *See*—
Temple, Stanley A.

Porter-Cable Machine Company, assignee: *See*—
Wright, James A.

Porter, William L.: *See*—
Willits, Charles O., and Porter.

Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill. Magnetic recording and transmitting system. 2,550,427, Apr. 24.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Power Jets (Research & Development) Limited, assignee: *See*—
McLeod, Roderick C., and Felden.

Pratt, Amber C., assignee, executrix: *See*—
Pratt, Lawrence E.

Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mine hauling vehicle. 2,549,852, Apr. 24.

Pratt, Lawrence E., deceased; A. C. Pratt, executrix, assignor to A. C. Pratt, Bedford, Ohio. Carpenter's readily cleanable hand plane. 2,550,377, Apr. 24.

Price, Fannie, New York, N. Y. Adjustable handle for curling, waving, and pressing irons. 2,550,295, Apr. 24.

Pride, Gilbert E., H. Osterberg, and H. Jupnik, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Apparatus for making optical devices. 2,549,926, Apr. 24.

Productive Inventions, Inc., assignee: *See*—
Smulski, Theodore J.

Products Packaging, Inc., assignee: *See*—
Kundtz, Leo R., and Frey.

Prosilis, assignee: *See*—
Bardet, Jacques J.

Proulx, Eugene H.: *See*—
La Brecque, Theodore A., and Proulx.

Publicker Industries Inc., assignee: *See*—
Beesch, Samuel C., and Legg.

Pusey & Jones Corporation, The, assignee: *See*—
Hart, Harry H.

Radio Corporation of America, assignee: *See*—
Braden, Rene A.
Fernsler, George L.
Grosdoff, Igor E.
Smith, Perry C., and Reisner.
Wendt, Karl R.

Randleman, Harry R., assignor of twelve and one-half per cent to K. Feuerhelm, Rogue River, Oreg. Wheel supporting side member, including a spring mounting therefor. 2,550,084, Apr. 24.

Rankin, John A., Park Ridge, assignor to Belmont Radio Corporation, Chicago, Ill. Wave signal amplifier, including input electrode capacitance neutralizing means. 2,550,378, Apr. 24.

Ransburg, Edwin M., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic detearing apparatus. 2,549,927, Apr. 24.

Ransburg Electro-Coating Corp., assignee: *See*—
Ransburg, Edwin M.
Ransburg, Harold P.

Ransburg, Harold P., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating method and apparatus. 2,550,657, Apr. 24.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Gas-operated spray outfit. 2,550,379, Apr. 24.

Rapp, Howard B., Jr., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Rapp, Jessica M., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Power line support for motor vehicle doors. 2,550,021, Apr. 24.

Raulston, James L., South Pittsburg, Tenn. Gas burner, including fuel distributor. 2,550,296, Apr. 24.

Rawlins, Herbert L., Pittsburgh, and J. M. Wallace, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overvoltage protective device. 2,550,124, Apr. 24.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Expansion valve. 2,550,022, Apr. 24.

Ray, William A., Glendale, Calif., assignor to General Controls Co. Electromagnetically operated valve. 2,550,297, Apr. 24.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Read, Charles E.: *See*—
Spiess, Roy G., Jr., and Read.

Redford, John E., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Progressive release jettison tank. 2,550,380, Apr. 24.

Reed, Stanley F., Washington, D. C., assignor, by mesne assignments, to Arnot & Company, Inc. Bed or berth structure. 2,550,599, Apr. 24.

Reefe, Francis E., Chicago, Ill. Illuminated picture frame. 2,549,928, Apr. 24.

Reeves, Edgar B., Raymondville, Tex. Horizontally revolving stalk chopper. 2,550,085, Apr. 24.

Refinite Corporation, The, assignee: *See*—
Kohler, Robert T., and Spaulding.

Rehfeldt, Hermann, Waukesha County, assignor to Kenworth Manufacturing & Stamping Co., Milwaukee, Wis. Adjustable radio silencer. 2,549,929, Apr. 24.

Rehm, Theodore C., Islip, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating circuit. 2,550,600, Apr. 24.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Controlled absorption refrigeration system. 2,550,428, Apr. 24.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration system with evaporated refrigerant control. 2,550,429, Apr. 24.

Reifschneider, Paul J., Springfield, Pa., assignor to General Electric Company. Nonoscillating protective control system. 2,550,496, Apr. 24.

Reilly, William P., Menomonee Falls, Wis. Christmas tree branch holder. 2,550,023, Apr. 24.

Reisner, John H.: *See*—
Smith, Perry C., and Reisner.

Reiss, Irwin A., assignor to Associated Paper Converting Corporation, Los Angeles, Calif. Bag or envelope. 2,549,931, Apr. 24.

Reitz, George W., Paris, Ark. Noninterlocking reversing transmission. 2,549,932, Apr. 24.

Reliance Steel Products Company, assignee: *See*—
Braun, Ottwin L.

Remington Rand Inc., assignee: *See*—
Mixer, Harold P.
Mueller, John.
Wilder, Marshall P.

Rentz, Cellon H.: *See*—
Carlin, Joseph M., and Rentz.

Research Engineering & Manufacturing, Inc., assignee: *See*—
Brown, Frank K., Phipard, and Jenney.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Toolholder. 2,550,645, Apr. 24.

Reverso Products Co., assignee: *See*—
Jahlon, Charles W.

Reynolds, Ellwood W.: *See*—
Hallam, Cecil A., and Reynolds.

Rheostatic Company Limited, The, assignee: *See*—
Flight, Theodore N., Wilson, and Chinn.

Ribeiro, Walter G., Camden, N. J. Automatic ice-making machine. 2,550,497, Apr. 24.

Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for electrically detecting vapors and the like. 2,550,498, Apr. 24.

Rich, Hyman R., Chicago, Ill., assignor to West Disinfecting Company, Long Island City, N. Y. Insecticide atomizer. 2,550,164, Apr. 24.

Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerator having a secondary cooling means. 2,550,165, Apr. 24.

Richards, Melbourne K.: *See*—
Benning, Anthony F., McHarness, Richards, and Feldmann.

Riegel, Glen C., and E. E. Alexander, Peoria, and W. H. Lenz, Washington, assignors to Caterpillar Tractor Co., Peoria, Ill. Selective tempering by induction means. 2,549,930, Apr. 24.

Riese, Karl F.: *See*—
Williams, James T., and Riese.

Riesenfeld, Fred C.: *See*—
Blohm, Clyde L., Riesenfeld, and Frazier.

Risien, George W., Toledo, Ohio. Window structure. 2,550,024, Apr. 24.

Ritter, Herman, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser device for sewing machines. 2,550,499, Apr. 24.

Robbins, James S., Highland Park, Ill. Rock cutting apparatus. 2,550,202, Apr. 24.

Robinson, Alton C., Hereford, Tex. Safety hood catch for vehicles. 2,550,203, Apr. 24.

Rogers, Raymond A.: *See*—
Fischer, Paul W., and Rogers.

Rohliffs, William A., Lancaster, Pa. Vibratory weight reducer. 2,549,933, Apr. 24.

Rohm & Haas Company, assignee: *See*—
Croxall, Willard J., and Schneider.

Romero, Frederick B., Washington, D. C. Stable marine vessel. 2,550,298, Apr. 24.

Rorden, Harold L., Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Lightning protection for transmission lines. 2,549,853, Apr. 24.

Rosenberg, Leo F., assignor of five-twentieths to B. Christensen and four-twentieths to S. Howard, Chicago, Ill. Fluid pressure actuating device. 2,550,601, Apr. 24.

Rothe, Walter F., Washington, D. C. Potted plant container. 2,550,602, Apr. 24.

Rouge, Marcel, St. Ramibert-l'Ile Barbe, assignor to Societe Rhodiaceta, Paris, France. Cross winding yarns on their supporting reels. 2,550,086, Apr. 24.

Rouse, William C., Birkdale, and W. E. Morley, Gillingham, England. Launching and lowering gear. 2,550,087, Apr. 24.

Rouy, Auguste L. M. A., New York, N. Y. Photocell aging. 2,550,381, Apr. 24.

Rouy, Auguste L. M. A., New York, N. Y. Filter for colorimeters. 2,550,382, Apr. 24.

Russell, Matthew J. B., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Air-speed responsive device. 2,550,603, Apr. 24.

Rutka, Stanley: *See*—
Leidling, Elmer A., Nelson, and Rutka.

Ruzga, Joseph A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,550,604, Apr. 24.

Sabbagh, John W.: *See*—
Voelker, Jane E. and E. M., and Sabbagh.

Sabo, Louis, Astoria, assignor to Del-Sab Corporation, New York, N. Y. Die cutter. 2,550,299, Apr. 24.

Sahlin, Börje, Stockholm, Sweden, and E. E. Jansson, deceased, Bofors, Sweden, by H. Nyqvist, executor, assignors to Aktiebolaget Bofors, Bofors, Sweden. Cartridge belt. 2,550,204, Apr. 24.

Salazar, Alfred M., Babylon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Battery charger. 2,549,854, Apr. 24.

Salter Machine Co., assignee: *See*—
Emmons, William J., and Gallagher.

Salzberg, Bernard, Washington, D. C. Modulation. 2,549,855, Apr. 24.

Sandberg, Robert W.: *See*—
Green, Barrett K., and Sandberg.

Sandoz Limited, assignee: *See*—
Neier, Reinhard, and Wehrli.

Sargent Company, The, assignee: *See*—
Sargent, Edgar H., and Wadsworth.

Sargent, Edgar H., Cedar Rapids, and J. B. Wadsworth, Council Bluffs, assignors to The Sargent Company, Cedar Rapids, Iowa. Plural wire butter cutter. 2,550,166, Apr. 24.

Sartorius, A., & Co. Inc., assignee: *See*—
Nardone, Dante J.

Sattler, George A., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Sattler, Marie A., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Saucke, Herman, New York, N. Y. Drill and saw machine. 2,549,934, Apr. 24.

Sauer, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of hexafluoropropene. 2,549,935, Apr. 24.

Savrda, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Fish-filleting machine. 2,550,025, Apr. 24.

Sayer, John T., Ifield, assignor to Sayer's Metal Products Limited, London, England. Collapsible metal box. 2,550,088, Apr. 24.

Sayer's Metal Products Limited, assignee: *See*—
Sayer, John T.

Schauert, Paul: *See*—
Droege, Orville E., Hale, and Schauert.

Schaus, Jack B., Buffalo, N. Y. Apparatus for localizing the effects of accidental fires. 2,549,936, Apr. 24.

Schell, Le Roy S., Jr., Lenox, Mass., assignor to General Electric Company. Low yoke transformer core. 2,550,500, Apr. 24.

Schenck, Alfred K., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit closing device. 2,550,605, Apr. 24.

Schenkel, Gerrit: *See*—
De Boer, Jan, and Schenkel.

Scherr, Harry, Baltimore, and G. A. Little, Bel Air, Md., assignors to the United States of America as represented by the Secretary of War. Mustard gas-resistant paint. 2,549,856, Apr. 24.

Schiller, James C.: *See*—
Souby, Armand M., and Schiller.

Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Electrochemical conversion of hydrocarbons. 2,550,089, Apr. 24.

Schlumberger Well Surveying Corporation, assigne: *See*—
Doll, Henri-Georges.

Schmidt, Carl O., Jr., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Safety head holder for head splitting machines. 2,549,937, Apr. 24.

Schmidt, Fred L. A.: *See*—
Emerson, Alfred, Jr., and Schmidt.

Schneider, Henry J.: *See*—
Croxall, Willard J., and Schneider.

Schnepp, Ottmar, Feilbach, near Stuttgart, Germany, assignor to W. C. Palmer, New York, N. Y. Soldering tool. 2,550,090, Apr. 24.

Schonstedt, Erick O., Minneapolis, Minn. Cable-suspended aerodynamic body. 2,549,857, Apr. 24.

Schowerer, George J.: *See*—
Worthington, Emory W., and Schowerer.

Schueler, Alfred E., and H. T. Walton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Enclosed circuit interrupter. 2,550,125, Apr. 24.

Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Window glass mounting. 2,550,300, Apr. 24.

Schwarz, Bertram A., and J. H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Electronically controlled tuner. 2,550,430, Apr. 24.

Schwarz, Gerald L., assignor to Air Controls, Inc., Cleveland, Ohio. Oil tube for bearings. 2,550,606, Apr. 24.

Schwarz Laboratories, Inc., assignee: *See*—
Laufer, Louis, and Stewart.

Scott, Elmer S., Dallas, Tex. Disk grinder and mixer. 2,550,301, Apr. 24.

Seaman, John A., Jr., McMinnville, Tenn. Slidable cover for truck bodies. 2,549,938, Apr. 24.

Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Mercaptan removal from hydrocarbons. 2,550,991, Apr. 24.

Seeger Refrigerator Company, assignee: *See*—
Richard, William E.

Seibel, Frank G., Claremont, Calif. Sliding and rotating attached closure for tooth paste tubes. 2,550,302, Apr. 24.

Seiberling Rubber Company, assignee: *See*—
Wiedemer, George A.

Selby, James, Middlesex, assignor to Victoria Machine Tool Company Limited, London, England. Preselector mechanism for effecting gear changes. 2,550,383, Apr. 24.

Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Polyamino alcohols and preparing them. 2,550,646, Apr. 24.

Senné, Edgar P., Rockville Centre, N. Y. Air intake mechanism for air filter machines. 2,550,384, Apr. 24.

Sensel, Eugene E.: *See*—
Beck, Roland A., Sensel, and Millendorf.

Servel, Inc., assignee: *See*—
Reid, John G., Jr.

Sforzini, Robert A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Annular combustion chamber having telescoping walls with corrugated ends for spacing. 2,549,858, Apr. 24.

Sharples Chemicals Inc., assignee: *See*—
Olin, John F.

Shaw, John D., Totowa, and J. F. Kuzmick, Passaic, assignors, by mesne assignments, to Elastic Stop Nut Corporation of America, Union Township, N. J. Threaded fastening device. 2,549,939, Apr. 24.

Shaw, Louis E., Newark, N. J. Variable-speed transmission chain. 2,550,431, Apr. 24.

Shearer, Newton H., Jr.: *See*—
Dickey, Joseph B., Coover, and Shearer.

Shell Development Company, assignee: *See*—
Fay, Charles H.
Jense, Willim F.
Luten, Daniel B., Jr., Blackburn, McMillan.
Naps, Marguerite, and Sommer.
Smith, Grafton A.

Shepard, Herman B., Wilkes-Barre, Pa. Memorandum sheet holder. 2,550,385, Apr. 24.

Shepard, Herman B., Wilkes-Barre, Pa. Memorandum device. 2,550,386, Apr. 24.

Shepherd, David M.: *See*—
Watters, Andrew J., and Shepherd.

Sherman, Joseph E.: *See*—
Jensen, Lloyd B., and Sherman.

Shoaf, Harry W., assignor to York Corporation, York, Pa. Flow proportioning device. 2,550,387, Apr. 24.

Shoemaker, Frank M., Pittsburgh, Pa. Electronic metal detector. 2,550,607, Apr. 24.

Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Starting and ignition system. 2,550,026, Apr. 24.

Shotwell, George T., Covington, Ky. Track sander. 2,550,608, Apr. 24.

Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanation of polyvinyl resins. 2,549,940, Apr. 24.

Silentbloc, Limited, assignee: *See*—
Hutton, Philip C.

Simmons, Stanley, Baltimore, Md., assignor to Cleaners Hanger Company, Detroit, Mich. Garment hanger and reinforcing same. 2,550,167, Apr. 24.

Simon, Eli, Los Angeles, and F. M. Carasso, Pasadena, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Surface treatment of aluminum and aluminum alloys. 2,550,388, Apr. 24.

Simonds, Paul, Shaker Heights, Ohio, assignors to Vickers Incorporated, Detroit, Mich. Constant pressure multiple motor hydraulic power transmission system. 2,549,989, Apr. 24.

Simpson, Tom B., McAllen, Tex. Dispensing hopper for distributing machines. 2,550,303, Apr. 24.

Sims, Marion W., Fort Wayne, Ind., assignor to General Electric Company. Gap bridging lamination for noise reduction in magnetic structures. 2,550,501, Apr. 24.

Sinclair Refining Company, assignee: *See*—
Pelzer, Harry L., and Watson.

Singer, Joseph, Hart, Mich. Belt support structure and forming same. 2,550,647, Apr. 24.

Singer Manufacturing Company, The, assignee: *See*—
Graesser, David A., and Matuzas.
Ritter, Herman.
Spaine, Edward P.

Singmaster & Breyer, assignee: *See*—
Finkeldey, William H., and Edes.

Sitek, Mary, Detroit, Mich. Scouring mitt. 2,550,092, Apr. 24.

Sittner, George H., Schenectady, N. Y., assignor to General Electric Company. Apparatus for purifying metals. 2,550,502, Apr. 24.

Skelton, Edgar H., Blackwell, Okla. Loading elevator for bales, crates, and the like. 2,549,990, Apr. 24.

Slater, William L., Jr., Alhambra, Calif., assignor to The Texas Company, New York, N. Y. Addition of a desiccant to a fluidized iron reduction process. 2,550,609, Apr. 24.

Sliwinski, Eugene T., assignor to Telematic Corporation, Chicago, Ill. Float. 2,549,859, Apr. 24.

Smíd, Otaker, Ostrava-Mar. Hory, assignor to Ostravske Chemicke Zavody, Narodni Podnik, Zavod Duslkarny, Ostrava, Czechoslovakia. Mill for the fine grinding of granular materials. 2,550,168, Apr. 24.

Smidth, F. L., & Co., assignee: *See*—
Johansen, Jens.
Moller, Poul.

Smith, Arthur F., Trenton, N. J. Mount for trailer hitch. 2,549,941, Apr. 24.

Smith, Charles J., assignor to Monroe Auto Equipment Company, Monroe, Mich. Vehicle suspension system. 2,549,942, Apr. 24.

Smith, Grafton A., Tulsa, Okla., assignor to Shell Development Company, San Francisco, Calif. Oil well control system. 2,550,093, Apr. 24.

Smith, John P., assignee: *See*—
Jones, Thomas R.

Smith, Lorne C., Chicago, Ill. Mounting and decorative means for panels, panes, and the like. 2,550,305, Apr. 24.

Smith, Martha L., Great Barrington, Mass. Gate and display device. 2,550,304, Apr. 24.

Smith, Perry C., Moorestown, and J. H. Reisner, Haddonfield, N. J. assignors to Radio Corporation of America. Nuclear radiation detector. 2,550,610, Apr. 24.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Wiper blade control linkage. 2,550,094, Apr. 24.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,550,095, Apr. 24.

Snider, Lester, Springfield, Ohio. Knockdown desk. 2,549,943, Apr. 24.

Snow, Alan F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-generator system for producing heat-treating enveloping atmospheres. 2,550,126, Apr. 24.

Sober, John A.: *See*—
Mikulak, John, Sober, and Sult.

Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Durr, André H. V., Wendling, and Gardedieu.

Societe Anonyme dite: Glaces et Cremes Glaceres Ch. Gervais, assignee: *See*—
Lhermitte, Yves, and Besson.

Societe Francaise des Telecommunications, assignee: *See*—
Bataille, Roger.

Societe Rhodiaceta, assignee: *See*—
Rouge, Marcel.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Schlesman, Carleton H.

Sokoloff, Louis, Chicago, Ill. Lamp resistor. 2,550,169, Apr. 24.

Solvay & Cie, assignee: *See*—
De Prez, Charles, and Basilewsky.

Sommer, Harry J.: *See*—
Naps, Marguerite, and Sommer.

Soper, William J., Kingston, N. Y. Conveyor service tray for operating tables. 2,550,306, Apr. 24.

Souby, Armand M., Wooster, and J. C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing ammonia. 2,550,389, Apr. 24.

Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread trimming mechanism for sewing machines. 2,550,611, Apr. 24.

Sparmann, Edmund E. K., Stockholm, Sweden. Wobble drive mechanism. 2,550,612, Apr. 24.

Sparmann, Edmund E. K., Stockholm, Sweden. Anchoring wobble plates. 2,550,613, Apr. 24.

Spaulding, Charles A., Jr.: *See*—
Kohler, Robert T., and Spaulding.

Specht, Theodore R., Greenville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wound core for electrical induction apparatus. 2,550,127, Apr. 24.

Specialties Development Corporation, assignee: *See*—
Uhl, Arthur W.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Acyloxymethyl substituted siloxanes. 2,550,205, Apr. 24.

Spencer, Neil C.: *See*—
Balassa, Ladislaus, and Spencer.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-efficiency magnetron. 2,550,614, Apr. 24.

Sperry, John R., Washington, D. C. Label or stamp affixing machine. 2,550,307, Apr. 24

Sperry Products, Inc., assignee: *See*—
Carlin, Benson.
De Lano, Ralph B., Jr.
Mesh, William E.

Spiess, Roy G., Jr., Owosso, and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,550,170, Apr. 24.

Sporing, Percy A., Hampton Hill, assignor to The Telegraph Condenser Company Limited, North Acton, England. Electrical condenser. 2,550,308, Apr. 24.

Sprague Electric Company, assignee: *See*—
Burnham, John.

Stackpole Carbon Company, assignee: *See*—
Geci, Melan M.

Stancombe, Ellie M., Leominster, Mass. Buttoned garment and button therefor. 2,550,309, Apr. 24.

Standard Oil Company, assignee: *See*—
Seebold, James E.

Standard Oil Development Company, assignee: *See*—
Cyphers, Elmer B.
Kimberlin, Charles N., Jr.
Martin, George A.
McNatt, Eugene M.
Mottern, Henry O.
Palmer, Jewell S.
Phillips, Cecil, Jr.
Souby, Armand M., and Schiller.
Thompson, William I.
Viles, Prentiss S., and Walsh.
Zoeller, Herman J.

Standard Ultramarine Company, The, assignee: *See*—
Moser, Frank H.

Stanley Home Products, Inc., assignee: *See*—
Bagley, John F., Jr.

Stansbury, Inc., assignee: *See*—
Stansbury, John H.

Stansbury, John H., Dillon, S. C., assignor to Stansbury, Inc., Baltimore, Md. Method of and apparatus for freezing foods. 2,550,615, Apr. 24.

Stearns, George L., assignor to The FR Corporation, New York, N. Y. Fine grain photographic developer containing morpholine. 2,550,617, Apr. 24.

Steele, Raymond H.: *See*—
Gray, Robert B., and Steele.

Steiner, Leonard E., Westfield, N. J. Electrical heating device. 2,549,944, Apr. 24.

Stephano Brothers, assignee: *See*—
Stephano, Constantine S.

Stephano, Constantine S., Meadowbrook, assignor to Stephano Brothers, Philadelphia, Pa. Feed drive for packaging machines. 2,550,616, Apr. 24.

Stephanoff, Nicholas N., Philadelphia, Pa., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company. Treating fuel. 2,550,390, Apr. 24.

Sterling Drug Inc., assignee: *See*—
Tainter, Maurice L., and Hinkel.
Tullar, Benjamin F.

Sterlingworth Company, assignee: *See*—
Godshalk, James B.

Stevens, Quinn O., Oklahoma City, Okla. Slush pump. 2,550,171, Apr. 24.

Stewart, Earl D.: *See*—
Laufer, Louis, and Stewart.

Stewart-Warner Corporation, assignee: *See*—
Davis, Ernest W.
Klug, Charles W.
Petroff, Merlin.

Stobb, Anton: *See*—
Huck, William F., and Stobb.

Stoltzfus, Menno S., Cochranville, Pa. Combined hitching device and guard for tractors or the like. 2,550,310, Apr. 24.

Strand Electric and Engineering Company Limited, The, assignee: *See*—
Wood, James T.

Strandberg, Edwin J., Deadwood, S. Dak. Pushing implement. 2,550,096, Apr. 24.

Stratfield Company, The, assignee: *See*—
Logie, Thomas T.

Strating, Jan, Groningen, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing thiosterols. 2,549,991, Apr. 24.

Strohm, Charles, Laurelton, assignor, by mesne assignments, to American Machine and Metal, Inc., New York, N. Y. Chart plate for instrument cases. 2,550,618, Apr. 24.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifying system for ultra high frequencies. 2,549,992, Apr. 24.

Sueur, René: *See*—
Marzin, Pierre, and Sueur.

Sult, Edwin B.: *See*—
Mikulak, John, Sober, and Sult.

Sutherland, John B., Detroit, Mich. Air deflector. 2,550,619, Apr. 24.

Svedberg, Johan E., Stockholm, Sweden. Furniture support jointed to frame. 2,550,620, Apr. 24.

Swalwell, Clyde E., Dallas, Tex. Clothes carrier for automobiles. 2,550,172, Apr. 24.

Swanson, Carl E.: *See*—
Treuhaft, Milton A., and Swanson.

Swanson, Mark, Washington, D. C. Indicating a chosen area. 2,549,860, Apr. 24.

Sweet, Helen T.: *See*—
Hurt, Victor H., and Sweet.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Speed control for recording densitometers. 2,550,648, Apr. 24.

Swift & Company, assignee: *See*—
Brown, Leo C., and Farbak.
Droege, Orville E., Hale, and Schauert.
Jensen, Lloyd B.
Jensen, Lloyd B., and Hess.
Jensen, Lloyd B., and Miller.
Jensen, Lloyd B., and Sherman.
Knechtges, John W.
Young, Harland H.

Swinehart, Carl F., University Heights, Ohio, and M. Early, Cambridge, Mass., assignors to The Harshaw Chemical Company, Cleveland, Ohio. Purification of calcium fluoride and lithium fluoride and manufacture of macrocrystals thereof. 2,550,173, Apr. 24.

Sylvania Electric Products Inc., assignee: *See*—
Van Dyke, Walter H.

Tainter, Maurice L., Albany, and E. T. Hinkel, Jr., Slingerlands, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Dentifrice compositions. 2,550,207, Apr. 24.

Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,550,128, Apr. 24.

Tator, Kenneth: *See*—
Donnell, John W., and Tator.

Tatoul, Albert, West Palm Beach, Fla. Portable sunshade. 2,550,311, Apr. 24.

Tau, Andrew, Columbia, Mo. Hairpin holder and opener. 2,550,621, Apr. 24.

Taub, Abraham, New York, N. Y., assignor, by mesne assignments, to B. Clayton, San Marino, Calif. Ointment base and iodine ointment. 2,550,622, Apr. 24.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Circuit for the transmission of identification and metering signals of calling lines. 2,550,208, Apr 24.

Telegraph Condenser Company, Limited, The, assignee: *See*—
Sporing, Percy A.

Telematic Corporation, assignee: *See*—
Sliwinski, Eugene T.

Teletype Corporation, assignee: *See*—
Gemmel, Wilbur R.
Potts, Louis M.

Temple, Stanley A., Lakewood, assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio. Breechblock for explosively actuated fastening tools. 2,549,993, Apr. 24.

Terroni, Tesco B. D., and J. E. T. Parker, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,550,312, Apr. 24.

Teruzzi, Angelo, Milan, Italy. Electric contact breaker. 2,550,623, Apr. 24.

Teston, Rebecca O., Glenbrook, assignor to Eastern Rubber Specialties, South Norwalk, Conn. Manufacture of rubber articles. 2,550,206, Apr. 24.

Texaco Development Corporation, assignee: *See*—
Gee, William P.

Texas Company, The, assignee: *See*—
Beck, Roland A., Sensel, and Millendorf.
Slater, William L., Jr.

Theillaumas, Clement M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Teleprogramme on automatic telephone circuits. 2,549,861, Apr. 24.

Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.

Thomas, Edward B.: *See*—
Oxley, Horace F., Thomas, and Nichols.

Thomas, Louis G. L., Glendale, assignor to Liberty Planers, Hamilton, Ohio. Hydraulically operated machine tool. 2,550,391, Apr. 24.

Thomas, Mifflin K., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Thompson, Robert R., Marshall, Mo. Seal for cased wells. 2,550,027, Apr. 24.

Thompson, William I., Elizabeth, N. J., assignor to Standard Oil Development Company. Recovery of hydrocarbon oil from shale. 2,550,432, Apr. 24.

Thorndike, Herbert A., Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc. Bumper jack. 2,549,862, Apr. 24.

Thornton, Theodore W., Salt Lake City, Utah. Hydro-inertia switch. 2,549,863, Apr. 24.

Thorson, Allen W.: *See*—
Bennett, Joseph S., and Thorson.

Thrift, Robert J., Munster, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of a lead arsenate in the form of flat, plate-like crystals. 2,549,945, Apr. 24.

Tichenor, Ralph S., Fort Lauderdale, Fla., assignor to Duncan Parking Meter Corporation, Chicago, Ill. Sling keeper lock. 2,550,433, Apr. 24.

Tindal, Charles H., State College, Pa., and L. K. Davis, Brockton, Mass., assignors to the United States of American as represented by the Secretary of the Navy. Positively operated control. 2,550,097, Apr. 24.

Tjossem, Willard W.: *See*—
Duffendack, John C., Jr., and Tjossem.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Continuous process for making sponge rubber. 2,549,864, Apr. 24.

Towner, Harold A., assignor to General Motors Corporation, Dayton, Ohio. Bonding two metal members with an aperture therein. 2,550,174, Apr. 24.

Towner Manufacturing Company, assignee: *See*—
Heckathorn, Loyd, and Rapp.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher. 2,550,098, Apr. 24.

Trent, Horace M., Alexandria, Va. Time-delay relay system. 2,549,865, Apr. 24.

Treuhaft, Milton A., Weehawken, and C. E. Swanson, Arlington, assignors to Hudson Electrochemical Co., Union City, N. J. Electropolishing. 2,549,946, Apr. 24.

Trico Products Corporation, assignee: *See*—
Rappl, Anton.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Ohlson, Reynold A.

Tucker, Wesley L., Shandon, Calif. Float valve. 2,500,313, Apr. 24.

Tullar, Benjamin F., East Greenbush, assignor to Sterling Drug Inc., New York, N. Y. Hemi-diethylene glycol adduct of 3,12-dihydroxy-7-ketocholanic acid and preparation thereof. 2,549,947, Apr. 24.

Turnbull, Norris, Grand Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Granular polyvinyl resins. 2,550,503, Apr. 24.

Tuttle, Edward S., South Bend, assignor to Harvell Manufacturing Corporation, La Porte, Ind. Paper dispenser. 2,550,209, Apr. 24.

Twsit, Basil R., assignee: *See*—
Heckathorn, Loyd, and Rapp.

Udy, Marvin J., Niagara Falls, N. Y. Production of ferromanganese. 2,549,994, Apr. 24.

Udylite Corporation, The, assignee: *See*—
Brown, Henry.

Uhl, Arthur W., Inwood, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Apparatus for visual detection of illuminated suspended matter in fluids. 2,549,866, Apr. 24.

Uhlmann, Erich, Ludvika, Sweden, and J. Hansen, Milwaukee, Wis., assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Simultaneously closing a plurality of circuits. 2,550,624, Apr. 24.

Union Carbide and Carbon Corporation, assignee: *See*—
Mosley, Samuel A.
Pilla, Frank J.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., and Cuneo.
Fischer, Paul W.
Fischer, Paul W., and Rogers.

United Aircraft Corporation, assignee: *See*—
Allen, Arthur N., Jr.
Buivid, Michel D.
Chorney, Harry.

United Geophysical Company, Inc., assignee: *See*—
Hughes, James R.

United Shoe Machinery Corporation, assignee: *See*—
Chandler, James D.
Fitzgerald, Charles F.
Maeser, Mieth, and Hobbs.
Normington, James B.
Oliver, John R.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Benning, Anthony F., McHarness, Richards, and Feldmann.
Farly, George M., and Mack.
Fried, Sherman, and Davidson.
Marsh, Charles R.
Perkins, Melvin A.

United States Finishing Company, The, assignee: *See*—
Balassa, Ladislaus, and Spencer.

United States Rubber Company, assignee: *See*—
Barton, Bernard C.
Bourne, Harry A.
Clarkson, Robert J.
Crawford, William B.
Daly, Lawrence E.
Eger, Ernst.
Godat, Edmond.
Hurt, Victor H., and Sweet.
Iknayan, Alfred N.
Iknayan, Alfred N., and Clayton.
Iknayan, Alfred N., and Macdonald.

Universal Washing Machinery Co., assignee: *See*—
Borgerding, Henry.

University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E.

University of Illinois, The Board of Trustees of the, assignee: *See*—
Fellows, Julian R.

Urschel, Joe R., administrator: *See*
Urschel, William E.

Urschel, William E., deceased, Valparaiso, Ind.; J. R. Urschel, administrator. Vine and seed stripper. 2,550,129, Apr. 24.

Vachon, Amiee: *See*—
Brainerd, George M., and Vachon.

Valentine, Bertram G., Kenmore, N. Y., assignor to Deere Manufacturing Co., Dubuque, Iowa. Accessory mounting for internal-combustion engines. 2,549,948, Apr. 24.

Vallarino, Antonio R.: *See*—
Charchian, Benjamin M., and Vallarino.

Van Alphen, Pieter M.: *See*—
Kuperus, Jan, and van Alphen.

Vance, John E., Canton, assignor to The Hoover Company, North Canton, Ohio. Flexible hose for suction cleaners. 2,550,099, Apr. 24.

Vance, John T., Jr., Edna, Tex. Infant feeder. 2,550,210, Apr. 24.

Van der Ziel, Aldert: *See*—
Strutt, Maximilliaan J. O., and van der Ziel.

Van Dorsten, Adrianus C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Voltage multiplier. 2,549,995, Apr. 24.

Van Douren, Hendrik C. A., Wassenaar, Netherlands. Antenna system. 2,549,867, Apr. 24.

Van Dyke, Walter H., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Exhaust tubulation. 2,550,658, Apr. 24.

Van Ham, Ernest E., assignor to Jerguson Gage & Valve Company, Somerville, Mass. Direct reading gauge for cold fluids. 2,550,175, Apr. 24.

Van Ijzeren, Ewoud A.: *See*—
Gusdorf, Frederik H., and van Ijzeren.

Veeder-Root Incorporated, assignee: *See*—
White, George W.

Veenemans, Cornelis F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,549,949, Apr. 24.

Venning, John, & Company Limited, assignee: *See*—
Venning, John D. E.

Venning, John D. E., assignor to John Venning & Company Limited, Alton, England. Hydraulic reciprocating pump. 2,550,392, Apr. 24.

Vick, Carl M., Jacksonville, Fla. Sculling oarlock and mounting clamp therefor. 2,550,625, Apr. 24.

Vickers Incorporated, assignee: *See*—
Lane, Albert M.
Simonds, Paul.

Vickery, John R., York, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Brazing machine. 2,549,868, Apr. 24.

Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O.

Victor Chemical Works, assignee: *See*—
McDonald, Guy A.

Victoria Machine Tool Company Limited, assignee: *See*—
Selby, James.

Vidrick, Thomas J., and W. F. Karstens, Arlington Heights, Ill. Heated windshield wiper blade construction. 2,550,504, Apr. 24.

Vigneau, George F.: *See*—
Hodgson, James W., and Vigneau.

Viles, Prentiss S., and D. C. Walsh, Jr., Goose Creek, Tex., assignors to Standard Oil Development Company. Suppression of corrosion. 2,550,434, Apr. 24.

Vingee, Raymond A., Stamford, Conn., assignor to Allied Chemical & Dye Corporation. Producing melamine. 2,550,659, Apr. 24.

Vitovsky, William F., Dallas, Tex. Multifaced stringed instrument. 2,550,176, Apr. 24.

Voelker, Edward M.: *See*—
Voelker, Jane E. and E. M., and Sabbagh.

Voelker, Jane E. and E. M., New Salem, Mass., and J. W. Sabbagh, Jackson Heights, assignors to Inventors Enterprises, Inc., New York, N. Y. Adjustable chair. 2,549,869, Apr. 24.

Vollmer, Benno M., Waukegan, Ill. Adjustable door stay. 2,550,626, Apr. 24.

Voss, Walter W., assignor to Cardox Corporation, Chicago, Ill. Discharge device. 2,550,100, Apr. 24.

Vulcan Manufacturing Co. Inc., assignee: *See*—
Phenning, John H.
Thorndike, Herbert A.

W. C., Inc., assignee: *See*—
Brandau, Harvey M.

Wadsworth, John B.: *See*—
Sargent, Edgar H., and Wadsworth.

Wallace, Fred C., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Stopping mechanism. 2,549,870, Apr. 24.

Wallace, James M.: *See*—
Rawlins, Herbert L., and Wallace.

Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Flexible coupling. 2,550,101, Apr. 24.

Walsh, Clark F., Charles City, Iowa. Wagon box elevating and tilting device. 2,549,996, Apr. 24.

Walsh, David C., Jr.: *See*—
Viles, Prentiss S., and Walsh.

Walsh, Robert, Erie, Pa., assignor to General Electric Company. Railway vehicle center bearing. 2,550,505, Apr. 24.

Walter, Ernest, Montclair, assignor to Porete Manufacturing Company, North Arlington, N. J. Making floor and roof constructions. 2,550,627, Apr. 24.

Walton, Howard T.: *See*—
Schueler, Alfred E., and Walton.

Walton, Hurshel K., Marshall, Mo. Combination protractor and level. 2,549,950, Apr. 24.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Fletcher, Maurice J.
Hickman, Clarence N.
Scherr, Harry, and Little.

Ward, William E., Cleveland, Ohio, assignor to Clearing Machine Corporation, Chicago, Ill. Double-action metal drawing press. 2,550,064, Apr. 24.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swivel joint for fluid conduits. 2,549,951, Apr. 24.

Wasson, Orville, Havertown, and J. R. Palmer, Yeadon, Pa., assignors to General Electric Company. Automatic selective switching equipment. 2,550,506, Apr. 24.

Watson, Kenneth M.: *See*—
Pelzer, Harry L., and Watson.

Watters, Andrew J., West Kilbride, and D. M. Shepherd, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited. Aqueous emulsion and making it. 2,550,211, Apr. 24.

Weakley, Francis B.: *See*—
Montgomery, Edna M., and Weakley.

Weathershields Limited, assignee: *See*—
Bishop, William H.
Hopfinger, Kurt B.

Webster, David L., III, Miami, Fla. Attachment for the take-up bar of a sewing machine. 2,550,628, Apr. 24.

Wehrli, Walter: *See*—
Neier, Reinhard, and Wehrli.

Weigel, Frederick W.: *See*—
Zies, Carl W., and Weigel.

Welland, Richard H.: *See*—
Morrison, John A., and Welland.

Welskopf, Edwin C., New York, N. Y. Timing device. 2,550,102, Apr. 24.

Wellington, Harry W., Chicago, Ill. Electrical socket. 2,550,177, Apr. 24.

Wellman, Albert, Scotia, N. Y., assignor to General Electric Company. Condition responsive, timing, and sequencing circuit control. 2,550,507, Apr. 24.

Wells, Edward C., assignor to Boeing Airplane Company, Seattle, Wash. Retractable landing gear. 2,550,028, Apr. 24.

Welz, Albert, assignor to North Brothers Manufacturing Company, Philadelphia, Pa. Strut means for adjustable angle vises. 2,550,629, Apr. 24.

Wendling, René F. R.: *See*—
Durr, André H. V., Wendling, and Gardedieu.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Direct current reinsertion circuit for television systems. 2,550,178, Apr. 24.

West Disinfecting Company, assignee: *See*—
Rich, Hyman R.

West Virginia Steel and Manufacturing Company, assignee: *See*—
Haskell, James B.

Western Electric Company, Incorporated, assignee: *See*—
Hallam, Cecil A., and Reynolds.
Razga, Joseph A.

Western Union Telegraph Company, The, assignee: *See*—
Frost, Albert E.

Westinghouse Electric Corporation, assignee: *See*—
Allbert, Eugene F.
Coltman, John W.
Coltman, John W., and Marshall.
Corbett, Ray F.
Cotner, Walter W.
Derr, Willard A.
Ellis, Delbert.
Else, Harry D.
Fields, Charles V.
Flowers, Leonard C.
Foster, Newton C.
Frank, Stanley L.
Gelselman, Ralph A.
Litman, Bernard.
Longini, Richard L.
Lynn, Clarence.
Marbury, Ralph E., and Cuttino.
Osbon, William O.
Peters, John F.
Rawlins, Herbert L., and Wallace.
Schueler, Alfred E., and Walton.
Sforzini, Robert A.
Snow, Alan F.
Specht, Theodore R.
Taliaferro, William R.

Whaley, Morris L., San Diego, Calif. Tool for twisting wire leaders. 2,550,130, Apr. 24.

Wheeler, C. H., Manufacturing Company, assignee: *See*—
Stephanoff, Nicholas N.

Wheelock, Carlton M., Milwaukee, Wis. Heating device and automatic control means therefor. 2,549,952, Apr. 24.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge valve amplifier. 2,550,029, Apr. 24.

White, George W., West Hartford, assignor to Veeder-Root Incorporated, Hartford, Conn. Shutter mechanism. 2,550,103, Apr. 24.

White, Raymond E., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,549,871, Apr. 24.

Whitehead, Robert, assignor to The Wolverhampton Die-Casting Company Limited, Wolverhampton, and Wilmot-Breeder Limited, Birmingham, England. Device for use in polishing articles. 2,550,630, Apr. 24.

Wideröe, Rolf, Oslo, Norway, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,550,212, Apr. 24.

Wiedemer, George A., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Tire gauge. 2,550,508, Apr. 24.

Wilcox, Granville M., Providence, and F. D'Angelo, assignors to P. W. Products Corporation, Esmond, R. I. Dabbing brush. 2,550,509, Apr. 24.

Wilcox, James F., Syracuse, N. Y., assignor to General Electric Company. Frequency modulation detector circuit. 2,550,510, Apr. 24.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,550,030, Apr. 24.

Wilder, Marshall P., Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y. Image storage device. 2,550,316, Apr. 24.

Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Focusing ultrasonic radiator. 2,549,872, Apr. 24.

Williams, Frederic C., Timperley, England. Thermionic valve circuits. 2,549,873, Apr. 24.

Williams, Frederic C., Timperley, England. Electronic relay circuit arrangement. 2,549,874, Apr. 24.

Williams, Frederic C., Timperley, and N. F. Moody, Cuffley, England. Thermionic valve circuits. 2,549,875, Apr. 24.

Williams, James T., Minneapolis, and K. F. Riese, St. Paul, Minn., said Riese assignor to said Williams. Means associated with coin-controlled automatic phonographs to play short advertising records. 2,550,315, Apr. 24.

Williams, Russell J.: *See*—
Brady, Charles V., and Williams.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Adjustable pulley. 2,550,511, Apr. 24.

Williamson, John W., Los Angeles, Calif. Rotary chopper-type hay breaker. 2,549,876, Apr. 24.

Willits, Charles O., North Hills, and W. L. Porter, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Producing maple sirup concentrate. 2,549,877, Apr. 24.

Willke, Herbert L., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Air chamber for slush pumps. 2,550,435, Apr. 24.

Wilmot-Breeder Limited, assignee: *See*—
Whitehead, Robert.

Wilson, William H.: *See*—
Flight, Theodore N., Wilson, and Chinn.

Winckler, Robert H., Maplewood, assignor to Hardwick-Hindle, Inc., Newark, N. J. Interconnecting means for control devices. 2,550,314, Apr. 24.

Winter, Frank J., Jr.: *See*—
Kaut, William, Jr., Lauman, and Winter.

Wirsig, Leo H., Deepwater, Mo. Folding table with leg actuator. 2,550,179, Apr. 24.

Wodetzky, Elmer, Lynnbrook, N. Y. Rod winding machine. 2,550,131, Aug. 24.

Wolverhampton Die-Casting Company Limited, The, assignee: *See*—
Whitehead, Robert.

Wood, James T., assignor to The Strand Electric and Engineering Company Limited, London, England. Control of stage, decorative, or similar lighting apparatus. 2,550,317, Apr. 24.

Wood, John, Manufacturing Company, Inc., assignee: *See*—
Martin, Earnest E.

Woods, William E., assignor to National Organ Supply Company, Erie, Pa. Self-sealing cap. 2,550,132, Apr. 24.

Woodward Governor Company, assignee: *See*—
Drake, George F.

Woody, Wayland B.: *See*—
Ortloff, John E., and Woody.

Woolrich, James N., Erie, Pa., assignor to General Electric Company. Brazing process. 2,550,512, Apr. 24.

Worthington, Emory W.: *See*—
Crafts, Curtis S., and Worthington.

Worthington, Emory W., Upper Montclair, and G. J. Schowerer, Englewood, assignors to Champlain Company, Inc., Bloomfield, N. J. Register control and signal for web presses. 2,550,318, Apr. 24.

Worthington Pump and Machinery Corporation, assignee: *See*—
MacDonald, Karl.

Wraith, William, Jr., Cananea, Mexico, assignor to The Cananea Consolidated Copper Company, S. A. Pulp density indicator. 2,550,031, Apr. 24.

Wright, James A., Chicago, Ill., assignor, by mesne assignments, to Porter-Cable Machine Company, Syracuse, N. Y. Air filter head for portable abrading machines. 2,550,319, Apr. 24.

Wurfschmit, Hugo, assignor of one-half to C. E. Carlsen, New York, N. Y. Hair removing device. 2,550,393, Apr. 24.

Wyeth Incorporated, assignee: *See*—
Barol, Alfred.

Yates, Jack M., Seaside, Oreg. Articulated denture. 2,550,436, Apr. 24.

Yates, Maurice M., Greenville, Tenn. Self-closing bill-holder. 2,550,437, Apr. 24.

Yeager, Albert J., Longmont, Colo. Accordion. 2,550,320, Apr. 24.

York Corporation, assignee: *See*—
Ehrman, Herbert H.
Shoaf, Harry W.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Side-by-side coffee maker. 2,550,513, Apr. 24.

Young, Harland H., assignor to Swift & Company, Chicago, Ill. Hygroscopic materials. 2,550,213, Apr. 24.

Young, Howard H., Waukegan, D. A. Loper, Hubbard Woods, and M. R. Fields, Libertyville, assignors to Abbott Laboratories, North Chicago, Ill. Disposable syringe. 2,550,394, Apr. 24.

Young, Nat, Forest Hills, N. Y. Ladies' undergarment. 2,550,395, Apr. 24.

Young, Nat, Forest Hills, N. Y. Undergarment for ladies. 2,550,396, Apr. 24.

Young, Norman W.: *See*—
Le Grand, John P., and Young.

Young, William G., Sr., South Plainfield, N. J. Shuffleboard wax composition and making same. 2,550,631, Apr. 24.

Young, William R., Michigan City, and J. M. Bickel, La Porte, Ind. Antitelescoping safety device for semi-trailers. 2,550,632, Apr. 24.

Youngstown Steel Door Company, The, assignee: *See*—
Johansson, Carl E.

Zabel, Harry H.: *See*—
Zabel, Henry, Jr., and H. H., and Harrison.

Zabel, Henry, Jr., H. H. Zabel, and G. Harrison, Sheboygan, Wis. Tag feeder. 2,550,032, Apr. 24.

Zagar, Frank G., Euclid, assignor to Zagar Tool, Inc., Cleveland, Ohio. Control mechanism for hydraulic cutter operating and carriage shifting motors of machine tools. 2,550,649, Apr. 24.

Zagar Tool, Inc., assignee: *See*—
Zagar, Frank G.

Zalkind, Albert M., Arlington, Va. Device for chilling liquid comestibles. 2,550,633, Apr. 24.

Zeesman, Benjamin, assignee: *See*—
Cross, William G.

Zeleznik, Joseph J., Pontiac, Mich. Curtain stretcher and drier. 2,549,878, Apr. 24.

Zielinski, Leon F.: *See*—
Jansen, Harry B., and Zielinski.

Zies, Carl W., Lakewood, and F. W. Weigel, Fairview Village, assignors to The V. D. Anderson Company, Cleveland, Ohio. Plug seal for solvent extraction columns. 2,549,997, Apr. 24.

Zimmerman, Leonard R., assignor to Guntert and Zimmerman, Stockton, Calif. Supporting truck for canal lining equipment. 2,549,953, Apr. 24.

Zimmerman, Leonard R., San Joaquin, assignor to Guntert and Zimmerman, Stockton, Calif. Truck for canal lining equipment. 2,549,954, Apr. 24.

Zoeller, Herman J., Union, N. J., assignor to Standard Oil Development Company. Stabilized paraffin wax. 2,550,438, Apr. 24.

Zschokke, Diethelm, assignor to Autophon Aktiengesellschaft, Solothurn, Switzerland. Device for phase modulation. 2,550,634, Apr. 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Extracting oil from the earth. E. Berl. Re. 23,360, Apr. 24.

Overload release mechanism. C. H. Hall. Re. 23,361, Apr. 24.

LIST OF DESIGN INVENTIONS

Air circulator unit. J. W. Kisling. 163,049, Apr. 24.

Ash tray and match book holder, Combination. R. J. MacDonald. 163,054, Apr. 24.

Base for electric drink mixer. G. W. Florian. 163,031, Apr. 24.

Bed leg. C. B. Colson. 163,027, Apr. 24.

Board, Game. R. L. Robbins, Jr. 163,068, Apr. 24.

Cabinet, Combined television and radio-phonograph. S. E. Adler. 163,014, Apr. 24.

Cabinet, Home freezer. H. W. Whitmore. 163,079, Apr. 24.

Cabinet, Television. S. E. Adler. 163,015, Apr. 24.

Cake of soap. E. F. Haskell. 163,038, Apr. 24.

Carafe. M. H. Levi. 163,052, Apr. 24.

Carrier, Bottle. H. W. Forrer. 163,033, Apr. 24.

Case, Combination spectacle and coin. L. B. White. 163,078, Apr. 24.

Chamber pot. R. Aitken. 163,016, Apr. 24.

Clamp, Laboratory. M. E. Goldberg. 163,035, Apr. 24.

Clasp or similar article, Tie. K. R. Cassel. 163,023, Apr. 24.

Clock, Alarm. F. Lux. 163,053, Apr. 24.

Coaster or the like. R. Shatkin. 163,073, Apr. 24.

Container, Butter. R. B. Janes. 163,047, Apr. 24.

Container for a phylactery or similar article. E. Weiszberg. 163,077, Apr. 24.

Cutting machine or the like, Swatch. R. C. Maxant. 163,055, Apr. 24.

Dispenser. M. C. Sawchuk. 163,070, Apr. 24.

Dispenser, Condiment. G. Q. Scott. 163,072, Apr. 24.

Doll or the like, Dancing. S. Ciccone and E. L. King, Jr. 163,026, Apr. 24.

Embroidered trimming or similar article. H. Stern. 163,074, Apr. 24.

Fabric or similar article, Textile. M. R. Hamre. 163,036, Apr. 24.

Fabric or similar article, Textile. W. J. Meek. 163,060, Apr. 24.

Film material or like flat surface material. J. Bolten, Sr. 163,018, Apr. 24.

Gauge, Stamp. J. R. Finn. 163,030, Apr. 24.

Glass, Drinking. W. Y. Wilson. 163,080, Apr. 24.

Glove. R. H. Higier. 163,040–3, Apr. 24.

Grinder, Jig. F. C. Victory. 163,076, Apr. 24.

Handbag. W. H. Hardy. 163,037, Apr. 24.

Heater, Cabinet type radiant. J. L. Raulston. 163,066, Apr. 24.

Heater, Portable radiant. J. H. Leeds. 163,051, Apr. 24.

Holder, Bottle. G. W. Roberts. 163,069, Apr. 24.

Jar, Cosmetic cream. S. F. Perkins, Jr. 163,063, Apr. 24.

Lamp or similar article, Floor. R. T. Hughes. 163,046, Apr. 24.

Lazy Susan or the like. D. Chudner. 163,025, Apr. 24.

Lighter, Pocket. P. Poullot. 163,064, Apr. 24.

Pendant or similar article, Jewelry. M. Chernow. 163,024, Apr. 24.

Plate or similar article, Dinner. C. H. McKaig. 163,057–9, Apr. 24.

Plate, Pie. L. C. Blancheri. 163,017, Apr. 24.

Pocketbook or similar article. S. Morrison. 163,062, Apr. 24.

Rack or similar article, Trousers. A. Leebow. 163,050, Apr. 24.

Refrigerator. C. B. Stevens and J. Hughes, Jr. 163,075, Apr. 24.

Ring or similar article. M. C. Redmond. 163,067, Apr. 24.

Sharpener, Cutlery. L. A. Hoek. 163,044, Apr. 24.

Shoe or similar article. W. Braun. 163,019–21, Apr. 24.

Sole, Shoe. H. N. Schrage. 163,071, Apr. 24.

Spoon or similar article. E. B. McAlpine. 163,056, Apr. 24.

Spoon, Stirring and beating. J. E. Donaldson. 163,028, Apr. 24.

Stocking. W. Goff. 163,034, Apr. 24.

Table or similar article. L. G. and C. Erickson. 163,029, Apr. 24.

Tablecloth, Lace. H. Hooyen. 163,045, Apr. 24.

Threader, Needle. J. S. Kahn. 163,048, Apr. 24.

Toy horse, Inflatable. H. B. Meyer and W. E. Lawson, Sr. 163,061, Apr. 24.

Toy sword. D. W. Brooks. 163,022, Apr. 24.

Toy typewriter. H. C. Hertz. 163,039, Apr. 24.

Tray or similar article. H. L. Forman. 163,032, Apr. 24.

Vehicle, Child's push. L. I. Powell. 163,065, Apr. 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF APRIL, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator, Magnetic induction. R. Wideroe. 2,550,212, Apr. 24.
Accordion. A. J. Yeager. 2,550,320, Apr. 24.
Acetals and β-haloaldehydes, Production of. J. W. Copenhaver. 2,550,637, Apr. 24.
Acyloxymethyl substituted siloxanes. J. L. Speier, Jr. 2,550,205, Apr. 24.
Adapter pulley for motor vehicle generators. J. M. Carlin and C. H. Rentz. 2,550,223, Apr. 24.
Addition of a desiccant to a fluidized iron reduction process. W. L. Slater, Jr. 2,550,609, Apr. 24.
Adjustable chair. J. E. and E. M. Voelker, and J. W. Subbagh. 2,549,869, Apr. 24.
Adjustable clamp F. L. Button. 2,550,001, Apr. 24.
Aerodynamic body, Cable-suspended. E. O. Schonstedt. 2,549,857, Apr. 24.
Aerodynamic flap balance and auxiliary airfoil. G. K. Adams. 2,549,760, Apr. 24.
Agitator for drink mixers. E. M. Brown and F. V. Forss. 2,549,885, Apr. 24.
Air chamber for slush pumps. H. L. Willke. 2,550,435, Apr. 24.
Aircraft fuel tank ejector. B. W Douglass. 2,549,785, Apr. 24.
Air deflector. J. B. Sutherland. 2,550,619, Apr. 24.
Air filter head for portable abrading machines. J. A. Wright. 2,550,319, Apr. 24.
Air intake mechanism for air filter machines. E. P. Senné. 2,550,384, Apr. 24.
Air-speed responsive device. M. J. B. Russell. 2,550,603, Apr. 24.
Alarm, Fire. L. H. McCarron. 2,550,076, Apr. 24.
Aliphatic acids by fermentation, Production of lower. S. C. Beesch and D. A. Legg. 2,549,765, Apr. 24.
Alkyl alpha-oxo-gamma-phenyl-gamma-alkoxy-beta-butenoates, Preparation of. W. J. Croxall and H. J. Schneider. 2,550,042, Apr. 24.
Alkyl-aminoalkyl esters of 3-benzothienyl-hydroxyacetic acid. G. J. Martin and S. Avaklan. 2,550,017, Apr. 24.
Alkylation process. A. Gislon. 2,550,413, Apr. 24.
Alloys, Magnesium base. A. C. Jessup, E. F. Emley, and P. A. Fisher. 2,549,955, Apr. 24.
Amino derivatives and making same. F. Ackermann. 2,550,321, Apr. 24.
Ammonia, Producing. A. M. Souby and J. C. Schiller. 2,550,389, Apr. 24.
Ammunition repair apparatus. A. R. Kinzle. 2,549,820, Apr. 24.
Amplifier, Electron discharge valve. E. L. C. White. 2,550,029, Apr. 24.
Amplifier, Hydraulic force. G. F. Drake. 2,549,786, Apr. 24.
Amplifier, including input electrode capacitance neutralizing means, Wave signal. J. A. Rankin. 2,550,378, Apr. 24.
Amplifier, Low noise intermediate-frequency. R. T. Adams. 2,549,761, Apr. 24.
Amplifying system for ultra high frequencies. M. J. O. Strutt and A. van der Ziel. 2,549,992, Apr. 24.
Analyzer, Industrial infrared. G. A. Martin. 2,550,419, Apr. 24.
Anchoring wobble plates. E. E. K. Sparmann. 2,550,613, Apr. 24.
Antenna. L. A. De Rosa, F. J. Lundburg, and H. N. Capen. 2,549,783, Apr. 13.
Antenna system. H. C. A. van Duuren. 2,549,867, Apr. 24.
Antibiotic compositions. A. Barol. 2,550,398, Apr. 24.
Antitelescoping safety device for semi-trailers. W. R. Young and J. M. Bickel. 2,550,632, Apr. 24.
Apparatus for assembling rubber bearings. P. C. Hutton. 2,550,564, Apr. 24.
Apparatus for extruding materials on cores under vacuum. C. A. Hallam and E. W. Reynolds. 2,550,555, Apr. 24.
Apparatus for feeding and weighing. J. Johansen. 2,549,908, Apr. 24.
Apparatus for localizing the effects of accidental fires. J. B. Schaus. 2,549,936, Apr. 24.
Apparatus for making frozen confections. C. McCarl. 2,549,915, Apr. 24.
Apparatus for making optical devices. G. E. Pride, H. Osterberg, and H. Jupnik. 2,549,926, Apr. 24.
Apparatus for manufacturing tabulated bulbs from glass tubing. L. C. Baker and J. F. Haines. 2,549,762, Apr. 24.
Apparatus for molding V-belts. H. A. Bourne. 2,550,183, Apr. 24.
Apparatus for performing chemical tests. T. A. Hewson. 2,550,067, Apr. 24.
Apparatus for processing iced bakery products. L. H. Braun. 2,550,526, Apr. 24.
Apparatus for producing frangible seal container parts. C. W. Heinle and R. E. J. Nordquist. 2,549,808, Apr. 24.
Apparatus for purifying metals. G. H. Sittner. 2,550,502, Apr. 24.
Apparatus for the manufacture of metallized paper for electric condensers. R. A. Grouse. 2,549,966, Apr. 24.
Apparatus for the mechanical actuation of agricultural implements. J. Parmilleux. 2,550,590, Apr. 24.
Apparatus for visual detection of illuminated suspended matter in fluids. A. W. Uhl. 2,549,866, Apr. 24.
Apparatus for washing bearings. W. G. Merritt. 2,549,837, Apr. 24.
Aqueous emulsion and making it. A. J. Watters and D. M. Shepherd. 2,550,211, Apr. 24.
Arc Welding, Gas blanketed. F. J. Pilia. 2,550,495, Apr. 24.
Arrangement for counting electrical impulses. F. H. Bray and L. R. Brown. 2,549,769, Apr. 24.
Atomizer, Insecticide. H. R. Rich. 2,550,164, Apr. 24.
Attachment for airbrushes. L. G. and S. Chasan. 2,550,404, Apr. 24.
Attachment for links, Closing. W. L. Brown. 2,550,038, Apr. 24.
Attachment for sewing machines, Button sewing. A. Mosberg. 2,549,920, Apr. 24.
Attachment for the take-up bar of a sewing machine. D. L. Webster, III. 2,550,628, Apr. 24.
Attachment for tractors, Trench digging. J. S. Larkin. 2,550,071, Apr. 24.
Automatic valve. L. C. Barling. 2,550,441, Apr. 24.
Automatic time valve. E. R. Joynes. 2,549,909, Apr. 24.
Automobile hitch arrangement. L. I. Hill. 2,550,561, Apr. 24.
Automobile sling. R. A. Brady. 2,550,218, Apr. 24.
Automobile steering wheel spinner. R. Chambers. 2,549,774, Apr. 24.
Axial-gap motor. B. Litman. 2,550,571, Apr. 24.
Axle drive construction. J. Borland. 2,549,884, Apr. 24.
Bag or envelope. I. A. Reiss. 2,549,931, Apr. 24.
Bag structure and manufacture. C. V. Brady and R. J. Williams. 2,550,000, Apr. 24.
Baking composition. G. A. McDonald. 2,550,491, Apr. 24.
Bank, Coin actuated calendar. A. E. Maage, Jr. 2,550,364, Apr. 24.
Battery charger. A. M. Salazar. 2,549,854, Apr. 24.
Battery charger, Thermally controlled. J. B. Godshalk. 2,550,344, Apr. 24.
Bearing: *See*—
Railway vehicle center vehicle.
Bed. C. H. Phillips. 2,550,426, Apr. 24.
Bed, Adjustable. L. F. Clerc. 2,550,224, Apr. 24.
Bed or berth structure. S. F. Reed. 2,550,599, Apr. 24.
Bed spring. J. Platis. 2,550,294, Apr. 24.
Belt support structure and forming same. J. Singer. 2,550,647, Apr. 24.
Billfold closure device. M. Becker. 2,550,216, Apr. 24.
Billholder, Self-closing. M. M. Yates. 2,550,437, Apr. 24.
Bin, Weighing and dispensing. E. D. and F. Geiger. 2,550,240, Apr. 24.
Binder for foundry compositions. W. E. Koonce. 2,549,822, Apr. 24.
Binder, Ring. E. M. Phillips. 2,550,597, Apr. 24.
Biological production of citric acid. E. H. Groot. 2,550,243, Apr. 24.
Bit: *See*—
Retrievable drilling bit.
Bit and holder, Self-adjusting. F. K. Brown, H. F. Phipard, Jr., and G. E. Jenney, Jr. 2,550,635, Apr. 24.
Bituminous compositions. W. F. Jense. 2,550,481, Apr. 24.
Bituminous compositions. M. Naps and H. J. Sommer. 2,550,371, Apr. 24.
Bleaching and filling leather with amino-carboxylic acid-methylol melamine resin. W. O. Dawson. 2,550,638, Apr. 24.
Bleaching and filling leather with amino-sulfonic acid-methylol melamine type resins. W. O. Dawson. 2,550,639, Apr. 24.

Blends of butadiene-acrylonitrile rubbery copolymers having a toluene-insoluble "B" gel content of from 30 to 50 per cent and hard resinous styrene-acrylonitrile copolymers. L. E. Daly. 2,550,139, Apr. 24.
Block: *See*—
Noisemaker building block.
Board and making same, Construction. E. Eger. 2,550,143, Apr. 24.
Boat, Welding. H. J. Graham. 2,549,804, Apr. 24.
Boiler with upper and lower transverse drums, Water tube. E. K. Mosier and F. X. Gilg. 2,549,843, Apr. 24.
Bonding two metal members with an aperture therein. H. A. Towner. 2,550,174, Apr. 24.
Book casing-in machine. J. A. E. Burls. 2,549,890, Apr. 24.
Bookkeeping device. A. J. Bickel. 2,549,956, Apr. 24.
Bookkeeping machine. G. W. Allan. 2,550,133, Apr. 24.
Bottle, cap, and brush. D. J. Nardone. 2,550,586, Apr. 24.
Bottoming shoes. J. D. Chandler. 2,549,960, Apr. 24.
Box: *See*—
Collapsible metal box. Welded journal box.
Dustproof box.
Bracket: *See*—
Self-releasing bracket.
Bracket for adjusting automobile trays, Instrument panel clamping. J. L. Ashman. 2,549,753, Apr. 24.
Brake: *See*—
Countershaft brake.
Brake arrangement, Load compensating. T. H. Birch and A. V. Nystrom. 2,549,957, Apr. 24.
Brake equalizing system, Magnetic. G. D. Hudson. 2,550,068, Apr. 24.
Brake release, Transmission controlled. T. J. Carmichael. 2,550,403, Apr. 24.
Brazing machine. J. R. Vickery. 2,549,868, Apr. 24.
Brazing process. J. N. Woolrich. 2,550,512, Apr. 24.
Breechblock for explosively actuated fastening tools. S. A. Temple. 2,549,993, Apr. 24.
Brush, Dabbing. G. M. Wilcox and F. D'Angelo. 2,550,509, Apr. 24.
Brush holder. C. S. Holton. 2,550,248, Apr. 24.
Bucket, Minnow. R. Clark. 2,550,533, Apr. 24.
Bulk egg breaking and separating. O. E. Droege, C. Hale, and P. Schauert. 2,550,189, Apr. 24.
Bumper jack. H. A. Thorndike. 2,549,862, Apr. 24.
Burner base for hot-water tanks. M. G. Burwell. 2,549,755, Apr. 24.
Burner, including internal fuel distributor, Gas. J. L. Raulston. 2,550,296, Apr. 24.
Button, Garment. E. W. Blegajski. 2,549,883, Apr. 24.
Cabinet: *See*—
Record cabinet.
Cabinet construction, Refrigerator. L. J. Amore. 2,549,879, Apr. 24.
Cabinet with inclined baffles, Loud-speaker. N. I. Daniel. 2,550,336, Apr. 24.
Calculator, Tonnage. R. J. Dresher. 2,550,458, Apr. 24.
Canning method for tomatoes and the like. W. J. Emmons and B. S. Gallagher. 2,549,781, Apr. 24.
Cap: *See*—
Hub cap. Self-sealing cap.
Cap making apparatus, Plastic. E. A. Kehoe and T. R. Burr. 2,550,567, Apr. 24.
Carbon dioxide, Composite solid. C. L. Jones. 2,550,196, Apr. 24.
Carrier and seat, Collapsible child's. J. P. Bosk. 2,549,958, Apr. 24.
Carrier for automobiles, Clothes. C. E. Swalwell. 2,550,172, Apr. 24.
Carton, Novelty paperboard. C. F. Klein. 2,550,417, Apr. 24.
Cartridge belt. R. Sahlin and E. E. Jansson. 2,550,204, Apr. 24.
Casting machine, Centrifugal. T. E. Johnson. 2,550,642, Apr. 24.
Catalytic cracking of hydrocarbons. H. L. Pelzer and K. M. Watson. 2,550,290, Apr. 24.
Cells for the electrolysis of alkali salt solutions. C. De Prez and A. Basilewsky. 2,550,231, Apr. 24.
Cellular partition for containers, Collapsible. W. C. George. 2,549,799, Apr. 24.
Chain: *See*—
Variable-speed transmission chain.
Chair: *See*—
Adjustable chair. Child's collapsible chair.
Chair back construction. A. C. Hoven. 2,550,479, Apr. 24.
Chair for use of invalids and aged persons. W. Perry. 2,550,593, Apr. 24.
Chart plate for instrument cases. C. Strohm. 2,550,618, Apr. 24.
Child's collapsible chair. J. W. Hodgson and G. F. Vigneau. 2,550,352, Apr. 24.
Chopper, Horizontally revolving stalk. E. B. Reeves. 2,550,085, Apr. 24.
Christmas tree branch holder. W. P. Reilly. 2,550,023, Apr. 24.
Chuck, Split collet. A. Bechler. 2,550,036, Apr. 24.
Cigarette holder. L. M. Morton. 2,550,286, Apr. 24.
Circuit: *See*—
Electronic counter circuit. Monitoring circuit.
Frequency modulation detector circuit. Telephone identification circuit.
Indicating circuit.
Circuit arrangement, Electronic relay. F. C. Williams. 2,549,874, Apr. 24.
Circuit breaker. W. R. Taliaferro. 2,550,128, Apr. 24.
Circuit closing device. A. K. Schenck. 2,550,605, Apr. 24.
Circuit control, Condition responsive, timing and sequencing. A. Wellman. 2,550,507, Apr. 24.
Circuit control for electric ranges, Heating. W. R. McDowell. 2,550,579, Apr. 24.
Circuit for multiple sound reproducers, Control. L. F. Mayle. 2,549,834, Apr. 24.
Circuit for television systems, Direct current reinsertion. K. R. Wendt. 2,550,178, Apr. 24.
Circuit for the transmission of identification and metering signals of calling lines. R. Taylor and G. T. Baker. 2,550,208, Apr. 24.
Circuit interrupter. R. S. Bennett and C. F. Passe. 2,550,444, Apr. 24.
Circuit interrupter, Enclosed. A. E. Schueler and H. T. Walton. 2,550,125, Apr. 24.
Circuit responsive to hall effect, Oscillator. B. M. Charchian and A. R. Vallarino. 2,549,775, Apr. 24.
Circuits, Thermionic valve. F. C. Williams. 2,549,873, Apr. 24.
Circuits, Thermionic valve. F. C. Williams and N. F. Moody. 2,549,875, Apr. 24.
Circuits, Trigger. I. E. Grosdoff. 2,550,116, Apr. 24.
Clamp: *See*—
Adjustable clamp. Ladder clamp.
Clarifying butterfat. C. E. North. 2,550,288, Apr. 24.
Cleaner: *See*—
Dental fountain cleaner.
Closure for collapsible tube, having a spring biased, axially reciprocable, pressure operated outlet valve. S. J. Jarvis. 2,550,356, Apr. 24.
Closure for tooth paste tubes, Sliding and rotating attached. F. G. Seibel. 2,550,302, Apr. 24.
Clothes drier. W. L. Kauffman, II. 2,550,118, Apr. 24.
Clothes rack. J. L. McCormick. 2,550,158, Apr. 24.
Clothes-washing machine. A. Kost. 2,549,824, Apr. 24.
Clutch: *See*—
Fluid pressure operated clutch.
Coal mine hauling vehicle. C. A. Pratt. 2,549,852, Apr. 24.
Coating aluminum or its alloys. C. C. Cohn. 2,550,328, Apr. 24.
Coating metallic articles with vinyl resin dispersions. J. W. Donnell and K. Tator. 2,550,232, Apr. 24.
Coating method and apparatus, Electrostatic. H. P. Ransburg. 2,550,657, Apr. 24.
Coaxial-cable carrier system. P. Marzin and R. Sueur. 2,550,198, Apr. 24.
Code translator system, Telegraph. A. E. Frost. 2,549,796, Apr. 24.
Coffee maker, Side-by-side. A. M. Young. 2,550,513, Apr. 24.
Coil for cathode-ray tubes, Focusing. R. R. Pearce. 2,550,592, Apr. 24.
Coil, Induction. H. B. McGlade. 2,550,283, Apr. 24.
Cold holdover element. Y. Lhermitte and R. Besson. 2,550,277, Apr. 24.
Collapsible form. J. C. Cotner. 2,549,758, Apr. 24.
Collapsible metal box. J. T. Sayer. 2,550,088, Apr. 24.
Colors, Printing. A. H. V. Durr, R. F. R. Wendling, and J. L. R. Gardedieu. 2,550,047, Apr. 24.
Combustion chamber for a coal stove and an air supply thereto. J. R. Fellows. 2,549,788, Apr. 24.
Combustion chamber having telescoping walls with corrugated ends for spacing, Annular. R. A. Sforzini. 2,549,858, Apr. 24.
Communication system, Multiplex electrical pulse. E. Labin and D. D. Grieg. 2,549,826, Apr. 24.
Commutator construction. C. Lynn. 2,550,574, Apr. 24.
Complex alkali metal-aluminum and alkali metal-iron acid phosphates. G. A. McDonald. 2,550,490, Apr. 24.
Compound dielectric materials. J. F. Byrne and F. M. Clark. 2,550,452, Apr. 24.
Compressor cooling system, Axial flow. S. A. Kane. 2,549,819, Apr. 24.
Compressor, Gas. J. H. Anderson. 2,550,515, Apr. 24.
Condenser: *See*—
Electrical condenser.
Connector: *See*—
Quick-acting tensioning connector.
Connector for spark plugs, Shielded electrical. N. J. Lituchy. 2,550,014, Apr. 24.
Container: *See*—
Potted plant container.
Selectively evacuated temperature regulated container.
Container. T. T. Logie. 2,550,362, Apr. 24.
Container and cap therefor. D. P. Loomis. 2,550,572, Apr. 24.
Container and cellular partition unit, Collapsible. W. C. George. 2,549,800, Apr. 24.

Container for aircraft engines, Shipping. C. E. Johansson. 2,549,906–7, Apr. 24.
Container or housing, Fishing plug. C. L. Carlson. 2,550,039, Apr. 24.
Container partition and liner unit, Collapsible. W. C. George. 2,549,801, Apr. 24.
Container partition, Collapsible cellular. W. C. George and A. P. Klasing. 2,549,802, Apr. 24.
Continuous process for making sponge rubber. H. A. Toulmin, Jr. 2,549,864, Apr. 24.
Control device for prosthetic hands. M. J. Fletcher. 2,549,792, Apr. 24.
Control of impedance of semiconductor amplifier circuits. H. L. Barney. 2,550,518, Apr. 24.
Control for servo actuators. E. D. Lilja and D. L. Hall. 2,549,829, Apr. 24.
Control mechanism for electric motors, Fluid operated. J. M. Naul. 2,550,422, Apr. 24.
Control mechanism for hydraulic cutter operating and carriage shifting motors of machine tools. F. G. Zagar. 2,550,649, Apr. 24.
Control mechanism for oil-burning space heaters. E. D. Hillebrand and J. R. Fulmer. 2,550,478, Apr. 24.
Control of stage, decorative, or similar lighting apparatus. J. T. Wood. 2,550,317, Apr. 24.
Control switch. S. L. Frank. 2,549,794, Apr. 24.
Control system. C. Johnson. 2,549,971, Apr. 24.
Control system. W. O. Osbon. 2,550,122, Apr. 24.
Control system for sound reproduction and recording apparatus. F. H. Fodor. 2,550,007, Apr. 24.
Control system for three-phase motors. U. Lamm and M. Böckman. 2,550,569, Apr. 24.
Control valve. R. T. Kohler and C. A. Spaulding, Jr. 2,550,011, Apr. 24.
Controlling the concentrations of suspensions. F. J. Fontein. 2,550,341, Apr. 24.
Controlling weather. H. M. Brandau. 2,550,324, Apr. 24.
Convenience package. M. E. Gourdin. 2,550,551, Apr. 24.
Conversion system. R. L. Longini. 2,549,831, Apr. 24.
Conveyer, Articulated roller. C. W. Parisi. 2,550,201, Apr. 24.
Conveyer frame units, Interchangeable. N. W. Lyon. 2,550,156, Apr. 24.
Cooking and serving unit, Combination. R. S. Davis. 2,550,108, Apr. 24.
Copolymer of acrylonitrile and isobutene and its production. M. R. Lytton. 2,549,913, Apr. 24.
Copolymerization of organo-siloxanes. W. H. Daudt. 2,550,003, Apr. 24.
Cording. H. S. Marshall. 2,550,576, Apr. 24.
Core for electrical induction apparatus, Wound. T. R. Specht. 2,550,127, Apr. 24.
Cork substitute and making same. R. S. Owens. 2,549,849, Apr. 24.
Corner construction for containers, Interlocking. R. B. Meller. 2,550,582, Apr. 24.
Countershaft brake. H. J. Findley. 2,550,545, Apr. 24.
Coupler, Spring trailer. E. J. Pazdernik. 2,550,083, Apr. 24.
Coupling: *See*—
Flexible coupling. Fluid line coupling.
Flexible hose coupling.
Coupling for shafts and the like, Flexible. R. C. McLeod and G. B. R. Feilden. 2,550,580, Apr. 24.
Cover device, Display. W. C. Milbrandt. 2,549,917, Apr. 24.
Cover for truck bodies, Slidable. J. A. Seaman, Jr. 2,549,938, Apr. 24.
Credit balance mechanism for calculating machines. T. O. Mehan. 2,550,581, Apr. 24.
Cross winding yarns on their supporting reels. M. Rouge. 2,550,086, Apr. 24.
Crusher, Gyratory. S. W. Traylor, Jr. 2,550,098, Apr. 24.
Crystallizer, Spray saturator. C. Otto. 2,549,848, Apr. 24.
Curing of meat. H. C. Olien and N. S. Gelsenheimer. 2,549,924, Apr. 24.
Cutter: *See*—
Die cutter. Plural wire butter cutter.
Cutting apparatus, Rock. J. S. Robbins. 2,550,202, Apr. 24.
Cutting device, Automatic. E. Godat. 2,550,191, Apr. 24.
Cutting device, Variable. S. G. Gillich and B. M. Littlehale. 2,550,146, Apr. 24.
Cyclohexene phosphonates and their preparation. J. B. Dickey, H. W. Coover, Jr., and N. H. Shearer, Jr. 2,550,651, Apr. 24.
Deadlocking latch. E. M. Miller. 2,549,983, Apr. 24.
Decorated material, Producing. E. C. V. Oldofredi. 2,549,847, Apr. 24.
Defoamer. L. C. Brown and J. E. Farbak. 2,550,450, Apr. 24.
Dehydrogenation catalyst. H. O. Mottern. 2,549,844, Apr. 24.
Demodulator, Balanced. G. L. Fernsler. 2,550,409, Apr. 24.
Dental fountain cleaner. C. L. Hyser. 2,550,565, Apr. 24.
Dentifrice compositions. M. L. Tainter and E. T. Hinkel, Jr. 2,550,207, Apr. 24.
Denture, Articulated. J. M. Yates. 2,550,436, Apr. 24.
Desk, Knockdown. L. Snider. 2,549,943, Apr. 24.
Detecting vapors and the like, Method and apparatus for electrically. C. W. Rice. 2,550,498, Apr. 24.
Detearing apparatus, Electrostatic. E. M. Ransburg. 2,549,927, Apr. 24.
Detector, Electronic metal. F. M. Shoemaker. 2,550,607, Apr. 24.
Detector for elementary particles. J. W. Coltman and F. B. Marshall. 2,550,106, Apr. 24.
Detector, Nuclear radiation. P. C. Smith and J. H. Reisner. 2,550,610, Apr. 24.
Device for chilling liquid comestibles. A. M. Zalkind. 2,550,033, Apr. 24.
Device for comparing traces on seismic records. J. E. Gaede. 2,550,238, Apr. 24.
Device for controlling the terminal voltage of a current load. H. B. G. Casimir and H. Nieuwdorp. 2,549,959, Apr. 24.
Device for opening paper cartons. J. J. Gregg. 2,550,346, Apr. 24.
Device for phase modulation. D. Zschokke. 2,550,634, Apr. 24.
Device for use in polishing articles. R. Whitehead. 2,550,630, Apr. 24.
Device for weaning infants. R. C. Kersh. 2,550,568, Apr. 24.
Dial for gauges. E. G. Adams. 2,550,033, Apr. 24.
Diallyl cyanamide copolymer compositions. E. K. Drechsel and J. J. Padbury. 2,550,652, Apr. 24.
Diaper pants and pad for same. C. F. McKhann and G. A. Bricmont. 2,549,982, Apr. 24.
Die cutter. L. Sabo. 2,550,299, Apr. 24.
Directional and trim control for rotary wing aircraft. G. S. Doman. 2,550,538, Apr. 24.
Discharge device. W. W. Voss. 2,550,100, Apr. 24.
Dishwashing machine feeder. H. Borgerding. 2,550,523, Apr. 24.
Dispenser: *See*—
Paper dispenser.
Dispensing closure for powder container, having a wall depressible to effect pneumatic discharge of container contents. L. R. Kundtz and A. J. Frey, Jr. 2,549,977, Apr. 24.
Dispensing device for collapsible tubes, Content. D. D. Derrick. 2,550,537, Apr. 24.
Display arrangement for electric oscillographs. C. W. Earp. 2,549,780, Apr. 24.
Distributor brush control apparatus. W. R. Gemmel. 2,550,411, Apr. 24.
Diving mouthpiece. H. E. Higgins. 2,550,247, Apr. 24.
Domestic appliance. K. Clark. 2,549,756, Apr. 24.
Door counterbalance. G. C. Pearce. 2,550,161, Apr. 24.
Door operating device, Pneumatic. P. C. Hels. 2,550,349, Apr. 24.
Door stay, Adjustable. B. M. Vollmer. 2,550,626, Apr. 24.
Double-action metal drawing press. W. E. Ward. 2,550,064, Apr. 24.
Double activation with conditioning for sole attaching. M. Maeser and R. E. Hobbs, Jr. 2,549,981, Apr. 24.
Double-twist twisting mechanism. N. E. Klein. 2,549,821, Apr. 24.
Draw cord anchorage. R. Gleave and E. A. Dickmann. 2,550,464, Apr. 24.
Drier: *See*—
Clothes drier. Fishing line drier.
Drill and saw machine. H. Saucke. 2,549,934, Apr. 24.
Drill for wells, Drop collar right angle. W. E. Coyle. 2,550,330, Apr. 24.
Drill press speed reducing assembly. S. Krafka. 2,550,012, Apr. 24.
Drilling mud. P. W. Fischer and R. A. Rogers. 2,550,236, Apr. 24.
Drilling rate logger. E. M. McNatt. 2,550,420, Apr. 24.
Drive fastening device, Self-locking. E. Gisondi. 2,550,060, Apr. 24.
Drying refrigerator coils. A. H. Heineman. 2,549,809, Apr. 24.
Dump body lift. W. G. Frenze. 2,549,900, Apr. 24.
Dustproof box. R. A. Ohlson. 2,550,493, Apr. 24.
Dynamoelectric machine. I. W. Kureth. 2,550,013, Apr. 24.
Dynamoelectric machine. M. E. Bennett. 2,550,443, Apr. 24.
Dynamometer, Ring. J. M. Oberholtzer. 2,550,588, Apr. 24.
Easel. C. B. Goodstein. 2,550,550, Apr. 24.
Easel, Folding. J. W. Mamer. 2,550,279, Apr. 24.
Edge finishing machine. E. C. Oberstar. 2,550,289, Apr. 24.
Elbow protector. R. J. Fick. 2,550,461, Apr. 24.
Electric contact breaker. A. Teruzzi. 2,550,623, Apr. 24.
Electric discharge device and cavity resonator apparatus therefor, Ultra high frequency. S. T. Lavoo and A. M. Gurewitsch. 2,550,485, Apr. 24.
Electric discharge tube. C. F. Veenemans. 2,549,949, Apr. 24.
Electric fuel igniter. W. D. Hall. 2,549,806, Apr. 24.
Electric picking device for stringed instruments. J. Lenz. 2,550,276, Apr. 24.
Electric slide switch. M. M. Geci. 2,550,145, Apr. 24.
Electric spade terminal receptacle. M. D. Bergan. 2,550,636, Apr. 24.
Electric tire inflation indicator. R. Cozzolino and L. L. Bustos. 2,550,041, Apr. 24.
Electrical apparatus. R. E. White. 2,549,871, Apr. 24.

Electrical condenser. J. Burnham. 2,549,770, Apr. 24.
Electrical condenser. P. A. Sporing. 2,550,308, Apr. 24.
Electrochemical conversion of hydrocarbons. C. H. Schlesman. 2,550,089, Apr. 24.
Electrode, Buoyant. E. C. Craig. 2,549,777, Apr. 24.
Electrode-carrying headgear for electroencephalographic analysis. A. R. McIntyre and A. L. Dunn. 2,549,836, Apr. 24.
Electrodeposition of nickel from an acid bath. H. Brown. 2,550,449, Apr. 24.
Electrolytic cell with welded anode assembly. A. F. Benning, R. C. McHarness, M. K. Richards, and G. W. Feldmann. 2,550,445, Apr. 24.
Electromagnet. J. F. Peters. 2,550,123, Apr. 24.
Electromagnetically operated valve. W. A. Ray. 2,550,297, Apr. 24.
Electronic counter circuit. R. S. Crenshaw, Jr. 2,549,779, Apr. 24.
Electroperforating sheet material, Method and apparatus for. J. W. Meaker and C. H. McShan. 2,550,366, Apr. 24.
Electropolishing. M. A. Treuhaft and C. E. Swanson. 2,549,946, Apr. 24.
Elevating and tilting device, Wagon box. C. F. Walsh. 2,549,998, Apr. 24.
Elevator for bales, crates, and the like, Loading. E. H. Skelton. 2,549,990, Apr. 24.
Endorsing machine. G. L. McCarthy. 2,550,644, Apr. 24
Engine: *See*—
Single-acting reciprocating engine.
Engine cowling. J. C. Duffendack, Jr., and W. W. Tjossem. 2,550,337, Apr. 24.
Engine starting equipment, Automatic. H. G. Haines. 2,550,414, Apr. 24.
Equalizer for transmission lines. K. W. Pfleger. 2,550,595–6, Apr. 24.
Establishing markers in boreholes. H. G. Doll. 2,550,004, Apr. 24.
Exhaust tubulation. W. H. Van Dyke. 2,550,658, Apr. 24.
Expansion valve. W. A. Ray. 2,550,022, Apr. 24.
Extraction of acidic constituents from gases. C. L. Blohm, F. C. Riesenfeld, and H. D. Frazier. 2,550,446, Apr. 24.
Extraction of antibiotic material. L. B. Jensen. 2,550,254, Apr. 24.
Extrusion press. R. Colombo. 2,550,226, Apr. 24.
Eyeglass construction. J. E. Hansen. 2,550,348, Apr. 24.
Fabric: *See*—
Flame resistant fabric.
Fastener: *See*—
Snap fastener.
Fastening device, Sealable. H. B. Jansen and L. F. Zielinski. 2,550,357, Apr. 24.
Fastening device, Threaded. J. D. Shaw and J. F. Kuzmick. 2,549,939, Apr. 24.
Fastening means for supporting objects. S. W. Benson. 2,549,766, Apr. 24.
Feed device, Sheet metal. F. V. Carroll. 2,549,772, Apr. 24.
Feed drive for packaging machines. C. S. Stephano. 2,550,616, Apr. 24.
Feed mechanism. E. T. Knitter. 2,549,975, Apr. 24.
Feeder: *See*—
Dishwashing machine feeder. Poultry feeder.
Tag feeder.
Infant feeder.
Feeding mechanism for sewing machines. D. A. Graesser and A. J. Matuzas. 2,550,553, Apr. 24.
Ferromanganese, Production of. M. J. Udy. 2,549,994, Apr. 24.
Filter for colorimeters. A. L. M. A. Rouy. 2,550,382, Apr. 24.
Fire control mechanism. A. F. Gaidos. 2,549,797, Apr. 24.
Fire escape. T. P. Duncan, Jr. 2,550,235, Apr. 24.
Fireplace screen hanger. P. F. Pedersen. 2,549,850, Apr. 24.
Firing ceramic articles and apparatus therefor. E. Hardesty. 2,550,147, Apr. 24.
Fish bait, Artificial. E. B. J. Peterson. 2,550,376, Apr. 24.
Fish-filleting machine. C. M. Savrda. 2,550,025, Apr. 24.
Fish stringer. B. B. Bourque. 2,550,217, Apr. 24.
Fishing line drier. E. A. Leilding, W. J. Nelson, and S. Rutka. 2,550,275, Apr. 24.
Fishing line reel. J. T. Kagel, Sr. 2,550,271, Apr. 24.
Fishing tool. W. B. Costlin. 2,550,228, Apr. 24.
Flame detector system. J. T. Hick. 2,550,351, Apr. 24.
Flame resistant fabric. L. Balassa and N. C. Spencer. 2,550,134, Apr. 24.
Flashlight and circuit tester, Combination. J. J. Duncan. 2,550,234, Apr. 24.
Flashlight, Extensible. M. A. Nelson. 2,550,423, Apr. 24.
Flashlight, fuse, and circuit tester. J. J. Duncan. 2,550,233, Apr. 24.
Flexible connection. M. G. Bales. 2,550,517, Apr. 24
Flexible coupling. L. Wallerstein, Jr. 2,550,101, Apr. 24.
Flexible hose coupling. J. H. Millar. 2,550,583, Apr. 24.
Flint. E. T. Sliwinski. 2,549,859, Apr. 24.
Float valve. W. L. Tucker. 2,550,313, Apr. 24.
Floating device, Liquid. N. L. Orme, Jr. 2,550,589, Apr. 24.
Floor and roof constructions, Making. E. Walter. 2,550,627, Apr. 24.
Floor drain. E. W. N. Boosey. 2,550,400–02, Apr. 24.
Flow controller. H. C. Garrett and C. M. Peters. 2,550,410, Apr. 24.
Flow proportioning device. H. W. Shoaf. 2,550,387, Apr. 24.
Fluid line coupling. E. H. Fletcher. 2,549,791, Apr. 24.
Fluid pressure actuating device. L. F. Rosenberg. 2,550,601, Apr. 24.
Fluid pressure operated clutch., J. E. Ortloff and W. B. Woody. 2,550,373, Apr. 24.
Fluorinated propionyl halides and making them. D. W. Chaney. 2,549,892, Apr. 24.
Fog head, Enclosed. T. W. Burnam. 2,550,451, Apr. 24.
Foraminated vase, candle and flower holder. L. B. James. 2,550,355, Apr. 24.
Fork, Mechanical. O. H. Cooper. 2,550,329, Apr. 24.
Forming tubular articles from laminated materials, Method of and apparatus for. D. E. and R. W. Hervey. 2,549,810, Apr. 24.
Foundation for garment coats and making the same. P. Cipkar. 2,550,532, Apr. 24.
Fourdrinier machine. H. H. Hart. 2,550,192, Apr. 24.
Frame: *See*—
Illuminated picture frame.
Photographic film handling and drying frame.
Frame support and drive-means for printing machines. W. F. Huck and A. Stobb. 2,549,813, Apr. 24.
Freezing foods, Method of and apparatus for. J. H. Stansbury. 2,550,615, Apr. 24.
Frequency modulation detector circuit. J. F. Wilcox. 2,550,510, Apr. 24.
Fuel mileage tester. W. S. Compton. 2,550,227, Apr. 24.
Furnace and hollow baffle structure therefor, Air-heating. C. W. Nesbitt. 2,550,081, Apr. 24.
Furniture, Sitting. S. Löfgren. 2,550,361, Apr. 24.
Furniture support jointed to frame. J. E. Svedberg. 2,550,620, Apr. 24.
Gap bridging lamination for noise reduction in magnetic structures. M. W. Sims. 2,550,501, Apr. 24.
Garment. R. E. Medd. 2,550,121, Apr. 24.
Garment and button therefor, Buttoned. E. M. Stancombe. 2,550,309, Apr. 24.
Garment hanger stand. N. Hartley. 2,550,150, Apr. 24.
Garment with expansible neck opening. J. H. Crossingham. 2,549,894, Apr. 24.
Gas detection apparatus. C. W. Klug. 2,549,974, Apr. 24.
Gas-generator system for producing heat-treating envelopping atmospheres. A. F. Snow. 2,550,126, Apr. 24.
Gas purifier. C. B. Gamble. 2,550,463, Apr. 24.
Gate: *See*—
Starting gate.
Gate and display device. M. L. Smith. 2,550,304, Apr. 24.
Gauge: *See*—
Tire gauge.
Gauge for cold fluids, Direct reading. E. E. van Ham. 2,550,175, Apr. 24.
Gear: *See*—
Launching and lowering gear. Pipe handling gear.
Retractable landing gear.
Generator: *See*—
Pulse generator. Steam generator.
Generator control system, Regulating. E. F. Allbert. 2,550,104, Apr. 24.
Glass bending mold. J. E. Jendrisak. 2,550,252, Apr. 24.
Grab iron or ladder rung. O. A. Kuhler. 2,550,274, Apr. 24.
Grate, Portable fire basket type of. M. H. Garfunkle. 2,550,057, Apr. 24.
Gravity die casting of light metal frames. A. C. Bridge. 2,550,037, Apr. 24.
Grinder and mixer, Disk. E. S. Scott. 2,550,301, Apr. 24.
Gun carriage, Mobile. W. F. McCann and L. H. Johnson. 2,549,835, Apr. 24.
Gun lining, Replaceable. L. Mackta. 2,549,832, Apr. 24.
Hair forming device, Ringlet. R. Greenberger. 2,549,901, Apr. 24.
Hair removing device. H. Wurfschmit. 2,550,393, Apr. 24.
Handbag. J. Moss. 2,550,199, Apr. 24.
Handle for curling, waving, and pressing irons, Adjustable. F. Price. 2,550,295, Apr. 24.
Handling sheet metal plates. F. V. Carroll. 2,549,773, Apr. 24.
Handling suspensions. J. S. Palmer. 2,550,374, Apr. 24.
Hanger: *See*—
Fireplace screen hanger.
Hanger and reinforcing same, Garment. S. Simmons. 2,550,167, Apr. 24.
Harness stop motion. W. G. Jasmin and L. G. Herlihy. 2,550,195, Apr. 24.
Harvester having detachable husking means, Corn. N. F. Andrews. 2,549,999, Apr. 24.
Harvester, Peanut and leafy vegetable. W. G. Cross. 2,550,332, Apr. 24.
Hay breaker, Rotary chopper-type. J. W. Williamson. 2,549,876, Apr. 24.
Headband construction, Adjustable. R. L. Malcom. 2,550,575, Apr. 24.
Heat exchanger. H. D. Heron. 2,550,560, Apr. 24.
Heat exchanger, Plate type. H. H. Ehrman. 2,550,339, Apr. 24.

Heating device and automatic control means therefor. C. M. Wheelock. 2,549,952, Apr. 24.
Heating device, Electrical. L. E. Steiner. 2,549,944. Apr. 24.
Hemi-diethylene glycol adduct of 3,12-dihydroxy-7-keto-cholanic acid and preparation thereof. B. F. Tullar. 2,549,947, Apr. 24.
Herbicidal formulations. C. M. Baker. 2,550,049, Apr. 24.
High-pressure ball and socket pipe joint. R. P. Delano, Jr., and R. W. Gregson. 2,550,536, Apr. 24.
High-speed metal drawing press. E. K. Johansen. 2,550,063, Apr. 24.
Hitching device and guard for tractors or the like, Combined. M. S. Stoltzfus. 2,550,310, Apr. 24.
Hoe, Reciprocatory. J. D. Bolongaro. 2,550,522, Apr. 24.
Holder: *See*—
- Brush holder.
- Christmas tree branch holder.
- Cigarette holder.
- Foraminated vase, candle and flower holder.
- Key holder.
- Memorandum sheet holder.
- Petrographic slide holder.
- Receptacle holder.

Holder and opener, Hairpin. A. Tau. 2,550,621, Apr. 24.
Holder for key cases, Detachable loop-type key. T. A. Buckley. 2,550,135, Apr. 24.
Hood catch for vehicles, Safety. A. C. Robinson. 2,550,203, Apr. 24.
Hopper for distributing machines, Dispensing. T. B. Simpson. 2,550,303, Apr. 24.
Hose and slipper-sole assembly, Combination. C. H. Dahlhouser. 2,550,334, Apr. 24.
Hose for connection to faucets, Flexible. C. C. Clamp. 2,550,186, Apr. 24.
Hose for suction cleaners, Flexible. J. E. Vance. 2,500,099. Apr. 24.
Hose reeling apparatus. E. E. Martin. 2,550,120, Apr. 24.
Hub cap. J. M. Carlin. 2,550,222, Apr. 24.
Hydraulic actuating system with automatic follow-up. R. V. Corns. 2,550,137, Apr. 24.
Hydraulic reciprocating pump. J. D. E. Venning. 2,550,392, Apr. 24.
Hydraulically operated machine tool. L. G. L. Thomas. 2,550,391, Apr. 24.
Hydrocarbon synthesis catalyst. C. N. Kimberlin, Jr. 2,550,416, Apr. 24.
Hydro-inertia switch. T. W. Thornton. 2,549,863, Apr. 24.
Hygroscopic materials. H. H. Young. 2,550,213, Apr. 24.
Ice cream manufacture. J. W. Knechtges. 2,550,656, Apr. 24.
Ice-making machine, Automatic. W. G. Ribeiro. 2,550,497, Apr. 24.
Illuminated picture frame. F. E. Reefe. 2,549,928, Apr. 24.
Illumination duplication for photography. H. W. Hart. 2,550,149, Apr. 24.
Image storage device. M. P. Wilder. 2,550,316, Apr. 24.
Impeller, Air-driven. R. B. Cotton. 2,550,229, Apr. 24.
Implement construction. L. Heckathorn and H. B. Rapp. 2,550,475, Apr. 24.
Implement, Pushing. E. J. Strandberg. 2,550,096, Apr. 24.
Indicating a chosen area. M. Swanson. 2,549,860, Apr. 24.
Indicating circuit. T. C. Rehm. 2,550,600, Apr. 24.
Indicator: *See*—
- Electric tire inflation indicator.
- Pulp density indicator.

Infant feeder. J. T. Vance, Jr. 2,550,210, Apr. 24.
Injection device. G. W. Ferguson. 2,550,053, Apr. 24.
Inking mechanism for rotary intaglio printing presses. C. S. Crafts and E. W. Worthington. 2,550,454, Apr. 24.
Inner tube. A. N. Iknayan. 2,550,193, Apr. 24.
Instrument, Multifaced stringed. W. F. Vitovsky. 2,550,176, Apr. 24.
Instrument, Stringed musical. J. W. McBride. 2,549,914, Apr. 24.
Insulating material. F. T. Gorski. 2,550,465, Apr. 24.
Insulator shield. W. L. Meier. 2,550,367, Apr. 24.
Intensifier. M. A. Crosby. 2,550,405, Apr. 24.
Interconnecting means for control devices. R. H. Winckler. 2,550,314, Apr. 24.
Interpolymer formed from monovinylaromatic polymer, drying oil or acid, polyhydric alcohol, and polybasic acid. E. G. Bobalek. 2,549,767, Apr. 24.
Inverter tube protective device. J. N. Heed. 2,549,807, Apr. 24.
Isolating betaine from guayule extract. T. F. Banigan, Jr., J. W. Meeks, and R. W. Planck. 2,549,763, Apr. 24.
Jack: *See*—
- Bumper jack.
- Rigid handle axle jack.

Jack for motor vehicles, Attached raising. E. Gassman. 2,550,239, Apr. 24.
Jar, Rotary. W. H. Dumble. 2,550,142, Apr. 24.
Joint: *See*—
- High-pressure ball and socket pipe joint.
- Road form joint.

Joint for fluid conduits, Swivel. D. C. Warren. 2,549,951, Apr. 24.
Joint for use with dental articulators and the like, Locking universal. W. de Lautour. 2,550,043, Apr. 24.
Joint structure for laminates. C. G. Bennett. 2,550,520, Apr. 24.
Key holder. J. J. Pentek. 2,550,375, Apr. 24.
Kiln, Calcining. J. B. Dube. 2,549,787, Apr. 24.
Knife blade construction. F. E. Gruber. 2,550,347, Apr. 24.
Knife construction for beet toppers. W. J. Flintjer. 2,550,144, Apr. 24.
Label or stamp affixing machine. J. R. Sperry. 2,550,307, Apr. 24.
Lactam plasticizer for rubbers. D. B. Luten, Jr., B. O. Blackburn, and F. M. McMillan. 2,550,363, Apr. 24.
Ladder clamp. C. M. McKenzie. 2,550,365, Apr. 24.
Laminating fabrics. H. Dreyfus. 2,550,006, Apr. 24.
Lamp and license plate support. M. W. Breed. 2,550,325, Apr. 24.
Lamp resistor. L. Sokoloff. 2,550,169, Apr. 24.
Latch: *See*—
- Deadlocking latch.

Launching and lowering gear. W. C. Rouse and W. E. Morley. 2,550,087, Apr. 24.
Lead arsenate in the form of flat, plate-like crystals, Production of a. R. J. Thrift. 2,549,945, Apr. 24.
Lens screen to produce stereoscopic effects. W. Henson. 2,550,350, Apr. 24.
Life preserver. V. H. Hurt and H. T. Sweet. 2,550,562, Apr. 24.
Light printing means. F. H. Frantz. 2,550,640, Apr. 24.
Lightning protection for transmission lines. H. L. Rorden. 2,549,853, Apr. 24.
Line identification system. G. T. Baker. 2,550,181, Apr. 24.
List finder. M. S. Pollock. 2,550,598, Apr. 24.
Loading and exploding charges in a borehole. J. R Hughes. 2,550,563, Apr. 24.
Loading dump body. J. E. Dalton. 2,550,230, Apr. 24.
Lock: *See*—
- Sling keeper lock.

Lock device, Multicombination. M. Berger. 2,549,882, Apr. 24.
Lock for bladed rotors, Centrifugally controlled coning. M. D. Buivid. 2,549,887, Apr. 24.
Lock for valve caps or the like. E. H. Mueller. 2,550,421, Apr. 24.
Lock having key ejecting mechanism. R L Brown. 2,550,184, Apr. 24.
Locking means, Setscrew. A. Kost. 2,549,823, Apr. 24.
Loud-speaker mounting. S. E. Levy. 2,550,359, Apr. 24.
Lubricating device, Clutch release bearing. J. E. Johnson, Sr. 2,549,817, Apr. 24.
Lubricating system. G. E. Burks, G. T. Lundberg, and H. D. Nichols. 2,549,889, Apr. 24.
Lubricants, Extreme pressure. E. B. Cyphers. 2,550,406, Apr. 24.
Lug remover for dual wheel assemblies. H. V. Factly. 2,550,542, Apr. 24.
Magazine drive for magnetic wire recorders. W. J. Haloski. 2,550,556, Apr. 24.
Magazine for multigraph machines or the like. F. A. Monk. 2,550,160, Apr. 24.
Magnesium chloride from magnesium silicate ore, Production of. E. A. Gee and M. T. Pawel. 2,549,798, Apr. 24.
Magnet assembly for contactors. D. Ellis. 2,550,110, Apr. 24.
Magnetic snap action switch. T. N. Flight, W. H. Wilson, and A. J. Chinn. 2,550,546, Apr. 24.
Magnetron, High-efficiency. P. L. Spencer. 2,550,614, Apr. 24.
Making filter units. T. A. La Brecque and E. H. Proulx. 2,550,070, Apr. 24.
Making water-handling installations and installations made according to this method, Method and device for. H. Fehlmann. 2,550,408, Apr. 24.
Manual control device. B. H. Hesemann. 2,549,969, Apr. 24.
Maple sirup concentrate, Producing. C. O. Willits and W. L. Porter. 2,549,877, Apr. 24.
Massage device. H. G. and R. S. Hilsher. 2,549,903, Apr. 24.
Mattress. J. Platis. 2,550,293, Apr. 24.
Means associated with coin-controlled automatic phonographs to play short advertising records. J. T. Williams and K. F. Riese. 2,550,315, Apr. 24.
Measuring and controlling apparatus. R. F. Wild. 2,550,030, Apr. 24.
Measuring and recording apparatus, Flicker voltage and current. V. H. Kraybill. 2,549,976, Apr. 24.
Measuring apparatus, Hall effect alternating current. N. P. Millar. 2,550,492, Apr. 24.
Measuring means, Wind velocity. L. Hillman. 2,549,812, Apr. 24.
Measuring valve. E. W. Davis. 2,550,535, Apr. 24.
Mechanism for applying fibers. E. Jacobsen. 2,550,354, Apr. 24.
Mechanism for applying luting to glass feeder orifice rings. F. N. Dailey. 2,550,335, Apr. 24.
Mechanism for sealing cartons. L. Back. 2,550,516, Apr. 24.
Melamine, Producing. R. A. Vingee. 2,550,659, Apr. 24.
Memorandum device. H. B. Shepard. 2,550,386, Apr. 24.
Memorandum sheet holder. H. B. Shepard. 2,550,385, Apr. 24.

Mercaptan removal from hydrocarbons. J. E. Seebold. 2,550,091, Apr. 24.
Mercury switch. A. C. Lindström. 2,550,073, Apr. 24.
Metal powder feed mechanism. J. A. Harrington. 2,550,653, Apr. 24.
Metal transfer and pouring system. W. H. Finkeldey and F. R. Edes. 2,549,790, Apr. 24.
Metallizable monoazo dyestuffs and their manufacture. R. Neier and W. Wehrli. 2,549,922, Apr. 24.
Meter: *See*—
- Viscosity meter.

Metering system, Remote. W. A. Derr. 2,550,109, Apr. 24.
Microwave detector, Balanced. R. A. Braden. 2,550,524, Apr. 24.
Mill for the fine grinding of granular materials. O. Smid. 2,550,168, Apr. 24.
Mill or drum having separate discharge means for air and ground material, Airswept rotary. P. Moller. 2,549,919, Apr. 24.
Mineral aggregate bonding composition. A. B. Hersberger. 2,550,476, Apr. 24.
Mitt, Scouring. M. Sitek. 2,550,092, Apr. 24.
Modulation. B. Salzberg. 2,549,855, Apr. 24.
Modulation system. M. L. Leppert. 2,549,828, Apr. 24.
Mold: *See*—
- Glass bending mold.
- Vented neck mold.

Mold for concrete walls, Imitation brick forming. B. S. Jackson 2,550,194, Apr. 24.
Monitoring circuit. G. M. Farly and D. A. Mack. 2,550,460, Apr. 24.
Mop construction, Wringable. J. F. Bagley, Jr. 2,550,397, Apr. 24.
Motor: *See*—
- Axial-gap motor.

Motor control system, Electronic. W. W. Cotner. 2,550,105, Apr. 24.
Motor control system, Condition responsive. E. C. Capuzzi. 2,550,527, Apr. 24.
Motor vehicle. C. R. Paton. 2,549,925, Apr. 24.
Mount for breakback mowers, Rockable. C. Girardi. 2,550,412, Apr. 24.
Mount for trailer hitch. A. F. Smith. 2,549,941, Apr. 24.
Mounting: *See*—
- Loud-speaker mounting.
- Window glass mounting.
- Vibration mounting.

Mounting and decorative means for panels, panes, and the like. L. C. Smith. 2,550,305, Apr. 24.
Mounting for internal-combustion engines, Accessory. B. G. Valentine. 2,549,948, Apr. 24.
Multiple contact, or gang, type relay. K. W. Graybill and H. Sengebusch. 2,550,242, Apr. 24.
Multiple forward and reverse speeds transmission. E. J. Dunham. 2,549,896, Apr. 24.
Neptunium tetrafluoride, Preparation of. S. Fried and N. R. Davidson. 2,549,899, Apr. 24.
Noisemaker building block. G. Jentzen. 2,550,270, Apr. 24.
Nonoscillating protective control system. P. J. Reifschneider. 2,550,496, Apr. 24.
Nozzle, Spray. J. G. De Flon. 2,550,456, Apr. 24.
Nozzle with overhanging lip, Whirler spray. S. Lyman. 2,550,573, Apr. 24.
Nursing outfit. A. M. Allen. 2,550,034, Apr. 24.
Nutcracker automatically adjusted to crack nuts of various sizes. J. E. Lisbon. 2,550,197, Apr. 24.
Nut-cracking machine having reciprocatory jaws, Rotary. L. B. Berg and J. E. Martin. 2,549,881, Apr. 24.
Oarlock, Adjustable. M. T. Michael. 2,550,368, Apr. 24.
Oarlock and mounting clamp therefor, Sculling. C. M. Vick. 2,550,625, Apr. 24.
Oil-free wax and dewaxed oil from wax-bearing lubricating oil stock with a dewaxing solvent liquid, Production of. W. P. Gee. 2,550,058, Apr. 24.
Oil tube for bearings. G. L. Schwarz. 2,550,606, Apr. 24.
Oil well control system. G. A. Smith. 2,550,093, Apr. 24.
Ointment base and iodine ointment. A. Taub. 2,550,622, Apr. 24.
1,4 diaminoanthraquinone compounds containing a carboxy-β-tetrahydrofurfuryloxyalkylamide group in the 2-position. J. B. Dickey and A. Loria. 2,549,784, Apr. 24.
Oral composition. D. J. Goodfriend. 2,549,759, Apr. 24.
Organic antimony compounds derived from 1,3,5-triazine. E. A. H. Friedheim. 2,549,795, Apr. 24.
Organic fluorine compounds, Manufacture of. M. A. Perkins. 2,549,988, Apr. 24.
Oscillating apparatus. D. F. Maners. 2,550,016, Apr. 24.
Oscillator, Electron coupled magnetron. R. B. Nelson. 2,549,846, Apr. 24.
Oscillator, Vacuum tube. W. J. O'Brien. 2,549,923, Apr. 24.
Overvoltage protective device. H. L. Rawlins and J. M. Wallace. 2,550,124, Apr. 24.
Package. S. R. Howard. 2,549,970, Apr. 24.
Packaging device, Shirt. T. A. Crossley. 2,550,333, Apr. 24.
Padlock. A. Holan. 2,550,655, Apr. 24.
Paint, Mustard gas-resistant. H. Scherr and G. A. Little. 2,549,856, Apr. 24.
Paint, Silver. R. B. Gray and R. H. Steele. 2,550,345, Apr. 24.
Panel and making the same, Trim. C. J. Davies. 2,550,455, Apr. 24.
Paper dispenser. E. S. Tuttle. 2,550,209, Apr. 24.
Paper shredding apparatus. M. J. Klein. 2,549,973, Apr. 24.
Pasteurization method and apparatus, Milk. E. Mittelmann. 2,550,584, Apr. 24.
Petrographic slide holder. M. H. Logan and A. O. Criswell. 2,549,830, Apr. 24.
Photocell aging. A. L. M. A. Rouy. 2,550,381, Apr. 24.
Photochemical production of benzene hexachloride. H. L. de Waal. 2,550,046, Apr. 24.
Photographic developer containing morpholine, Fine grain. G. L. Steans. 2,550,617, Apr. 24.
Photographic film handling and drying frame. H. A. Durst. 2,550,048, Apr. 24.
Piano action. S. K. Ketterman. 2,550,153, Apr. 24.
Pickling or liquor-processing articles. J. C. Mills. 2,550,077, Apr. 24.
Piece goods, Packaged. I. J. Mishkin. 2,550,285, Apr. 24.
Pipe handling gear. A. O. Mickelson. 2,550,159, Apr. 24.
Pipe layout machine. R. D. Lee. 2,549,911, Apr. 24.
Pitch propeller, Controllable. H. Carson and R. E. Moore. 2,550,529, Apr. 24.
Plane, Carpenter's readily cleanable hand. L. E. Pratt. 2,550,377, Apr. 24.
Planographic printing. C. A. Brown. 2,550,326, Apr. 24.
Planter, Cotton seed. H. V. Phelps. 2,550,291, Apr. 24.
Plug seal for solvent extraction columns. C. W. Zies and F. W. Weigel. 2,549,997, Apr. 24.
Plural wire butter cutter. E. H. Sargent and J. B. Wadsworth. 2,550,166, Apr. 24.
Polishing aluminum, Anodically. C. L. Faust. 2,550,544, Apr. 24.
Polyamino alcohols and preparing them. M. Senkus. 2,550,646, Apr. 24.
Polyhalophthalocyanine pigments, Producing. F. H. Moser. 2,549,842, Apr. 24.
Polymerization of vinyl alkyl ethers with aluminum hexahydrosulfate. S. A. Mosley. 2,549,921, Apr. 24.
Polymers of hexafluoropropene. J. C. Sauer. 2,549,935, Apr. 24.
Polyvinyl resins, Granular. N. Turnbull. 2,550,503, Apr. 24.
Portable receptacle support. B. V. Griffin. 2,550,554, Apr. 24.
Positive grip lifting tool. P. W. Penn. 2,550,424, Apr. 24.
Positively operated control. C. H. Tindal and L. K. Davis. 2,550,097, Apr. 24.
Potted plant container. W. F. Rothe. 2,550,602, Apr. 24.
Poultry feeder. P. P. Beach. 2,550,215, Apr. 24.
Powder trap. C. N. Hickman. 2,549,811, Apr. 24.
Power setwork for sawmill carriages. C. R. Lewis. 2,550,360, Apr. 24.
Power transmission. A. M. Lane. 2,549,979, Apr. 24.
Power transmission system, Constant pressure multiple motor hydraulic. P. Simonds. 2,549,989, Apr. 24.
Preparation and use of synthesis catalysts. R. A. Beck, E. E. Sensel, and A. J. Millendorf. 2,550,442, Apr. 24.
Preselector mechanism for effecting gear changes. J. Selby. 2,550,383, Apr. 24.
Preservation of food products. L. B. Jensen and W. R. Hess. 2,550,253, Apr. 24.
Preservation of food products. L. B. Jensen. 2,550,255–6, Apr. 24.
Preservation of food products. L. B. Jensen and W. A. Miller. 2,550,257, Apr. 24.
Preservation of food products. L. B. Jensen. 2,550,258–9, Apr. 24.
Preservation of food products. L. B. Jensen and W. A. Miller. 2,550,260, Apr. 24.
Preservation of food products. L. B. Jensen. 2,550,261, Apr. 24.
Preservation of food products. L. B. Jensen and W. A. Miller. 2,550,262–7, Apr. 24.
Preservation of food products. L. B. Jensen and J. E. Sherman. 2,550,268–9, Apr. 24.
Press: *See*—
- Double-action metal drawing press.
- High-speed metal drawing press.
- Extrusion press.
- Triple-action press.

Press. R. W. Glasner and E. K. Johansen. 2,550,061, Apr. 24.
Presser device for sewing machines. H. Ritter. 2,550,499, Apr. 24.
Pressure sensitive record material. B. K. Green and R. W. Sandberg. 2,550,472, Apr. 24.
Preventing loss of iodine from iodine in the elementary state and all of its compounds. H. C. Maffitt. 2,550,015, Apr. 24.
Primary amines, Manufacture of. H. F. Oxley and E. B. Thomas. 2,550,020, Apr. 24.
Printing interpreter. J. Mueller. 2,550,370, Apr. 24.
Printing press delivery mechanism. L. F. Kraft. 2,550,155, Apr. 24.
Processing oil and the product produced. C. E. Lane. 2,550,570, Apr. 24.
Produce box ildder. L. H. Platt, L. H. Platt, Jr., and J. D. Platt. 2,550,292, Apr. 24.
Producing a platic composition from waste nylon fibers. O. M. Arnold. 2,550,650, Apr. 24.
Producing insulated coils. A. D. Coggeshall. 2,550,453, Apr. 24.
Production of unsaturated organic compounds. R. L. Adelman. 2,550,439, Apr. 24.

Progressive release jettison tank. J. E. Redford. 2,550,380, Apr. 24.
Projectile launching. B. Crawley. 2,549,778, Apr. 24.
Projector, Film. P. L. Karr. 2,550,272, Apr. 24.
Projector housing having object surface adjustability in three mutually perpendicular directions. Schmidt television. J. Kuperus and P. M. van Alphen. 2,549,978, Apr. 24.
Protecting device, Shoulder. F. P. Delsalle. 2,550,044, Apr. 24.
Protector: *See*—
Elbow protector.
Spark plug terminal protector.
Protractor and level, Combination. H. K. Walton. 2,549,950, Apr. 24.
Pulley, Adjustable. W. A. Williams. 2,550,511, Apr. 24.
Pulp density indicator. W. Wraith, Jr. 2,550,031, Apr. 24.
Pulse discriminating apparatus. C. E. Cleeton. 2,549,776, Apr. 24.
Pulse generator. A. H. Bartels. 2,549,764, Apr. 24.
Pump: *See*—
Hydraulic pump.
Reciprocating pump.
Rotary pump.
Slush pump.
Pump and filling plug. E. Mazza. 2,550,157, Apr. 24.
Pumping apparatus, Hydraulic. L. C. Pope. 2,549,851, Apr. 24.
Pushbutton, Electric. W. Huppert. 2,550,250, Apr. 24.
Purification of calcium fluoride and lithium fluoride and manufacture of macrocrystals thereof. C. F. Swinehart and M. Early. 2,550,173, Apr. 24.
Quick-acting tensioning connector. J. A. Morrison and R. H. Weiland. 2,550,018, Apr. 24.
Rack: *See*—
Clothes rack.
Radiation counter. C. R. Marsh. 2,550,488, Apr. 24.
Radiation detector. J. W. Coltman. 2,550,107, Apr. 24.
Radiator, Focusing ultrasonic. G. W. Willard. 2,549,872, Apr. 24.
Radio beacon system. W. J. O'Brien. 2,550,372, Apr. 24.
Radio silencer, Adjustable. H. Rehfeldt. 2,549,929, Apr. 24.
Radio transmitter-receiver station with automatic frequency control. R. Bataille. 2,550,519, Apr. 24.
Rail flaw detector mechanism. W. E. Mesh. 2,549,916, Apr. 24.
Railway vehicle center bearing. R. Walsh. 2,550,505, Apr. 24.
Razor with integral folded blade, Safety. A. Foltis. 2,550,056, Apr. 24.
Receiver. E. Labin. 2,549,825, Apr. 24.
Receptacle: *See*—
Electric spade terminal receptacle.
Receptacle. C. F. Fitzgerald. 2,549,965, Apr. 24.
Receptacle holder. B. J. Murphy. 2,550,019, Apr. 24.
Record cabinet. C. D. Hyatt. 2,550,251, Apr. 24.
Record device and divider therefor, Visible. M. B. Hall. 2,550,117, Apr. 24.
Record material and making it, Manifold. B. K. Green and R. W. Sandberg. 2,550,466–9, Apr. 24.
Record material, Pressure sensitive. B. K. Green and R. W. Sandberg. 2,550,470–3, Apr. 24.
Recording and transmitting system, Magnetic. L. M. Potts. 2,550,427, Apr. 24.
Recovery of adenylic acid. L. Laufer and E. D. Stewart. 2,549,827, Apr. 24.
Recovery of hydrocarbon oil from shale. W. I. Thompson. 2,550,432, Apr. 24.
Rectifier plate. J. C. Burkholder. 2,549,888, Apr. 24.
Rectifier regulator. G. W. Fyler. 2,550,462, Apr. 24.
Reel: *See*—
Fishing line reel.
Reel. J. A. Ruzga. 2,550,604, Apr. 24.
Reflective sign. H. Cook. 2,549,893, Apr. 24.
Reforming process and catalyst therefor. F. G. Ciapetta. 2,550,531, Apr. 24.
Refrigerant compressing apparatus, Multicylinder. W. E. Dodson. 2,550,457, Apr. 24.
Refrigeration system, Controlled absorption. J. G. Reid, Jr. 2,550,428, Apr. 24.
Refrigeration system with evaporator refrigerant control. J. G. Reid, Jr. 2,550,429, Apr. 24.
Refrigerator embodying stabilized mixtures of oil and aliphatic halides. L. C. Flowers. 2,550,113, Apr. 24.
Refrigerator having a secondary cooling means. W. E. Richard. 2,550,165, Apr. 24.
Register control and signal for web presses. E. W. Worthington and G. J. Schowerer. 2,550,318, Apr. 24.
Regulating system. R. A. Geiselman. 2,550,115, Apr. 24.
Regulator: *See*—
Rectifier regulator.
Voltage regulator.
Relay construction. F. R. McBerty. 2,550,577, Apr. 24.
Relay construction. R. K. McBerty. 2,550,578, Apr. 24.
Relay system, Time-delay. H. M. Trent. 2,549,865, Apr. 24.
Removal for silicon tetrafluoride from hydrocarbons. J. D. Gibson. 2,550,343, Apr. 24.
Removal of optics filming coat. A. Grenstad and R. B. Callison. 2,549,805, Apr. 24.
Reproducing device having link means for producing high compliance in the direction of the stylus drag. R. F. Corbett. 2,549,757, Apr. 24.
Resinous copolymers of castor oil-unsaturated dicarboxylic acid reaction products and polymerizable vinyl compounds. N. C. Foster. 2,550,114, Apr. 24.
Retractable landing gear. E. C. Wells. 2,550,028, Apr. 24.
Retrievable drilling bit. E. T. Allen. 2,550,035, Apr. 24.
Reversible turnout. J. B. Haskell. 2,550,654, Apr. 24.
Reversing transmission, Noninterlocking. G. W. Reitz. 2,549,932, Apr. 24.
Ribbons of plastic material, Method and apparatus for manufacturing. R. Colombo. 2,550,225, Apr. 24.
Rifle, Semiautomatic. E. D. and G. E. Martin. 2,550,280, Apr. 24.
Rigid handle axle jack. J. H. Phenning. 2,550,163, Apr. 24.
Road form joint. O. L. Braun. 2,550,525, Apr. 24.
Rocket launcher. F. C. Lindvall. 2,550,072, Apr. 24.
Roof for open-hearth furnaces, Portable. J. A. McDonald. 2,550,078, Apr. 24.
Roof for vehicles, Sliding. W. H. Bishop. 2,550,323, Apr. 24.
Rotary pump. V. R. Ebsary. 2,550,540, Apr. 24.
Rotor blade, Folding. M. D. Buivid. 2,549,886, Apr. 24.
Rubber articles, Manufacture of. R. O. Teston. 2,550,206, Apr. 24.
Rubber composition, vulcanizing same, and resulting product. B. C. Barton. 2,550,182, Apr. 24.
Safety head holder for head splitting machines. C. O. Schmidt, Jr. 2,549,937, Apr. 24.
Salts of 3,6 endoxohexahydrophthalic acid. J. F. Olin. 2,550,494, Apr. 24.
Saucer. W. H. Martin. 2,550,075, Apr. 24.
Seat: *See*—
Toilet seat.
Seal for cased wells. R. R. Thompson. 2,550,027, Apr. 24.
Sealing device. J. F. Joy. 2,549,818, Apr. 24.
Sealing means for the work chambers in oscillating vane type fluid motors. A. N. Allen, Jr. 2,550,180, Apr. 24.
Seat. D. L. Hibbard and S. E. Homsey. 2,549,902, Apr. 24.
Seat construction, Vehicle. R. G. Spiess, Jr. and C. E. Read. 2,550,170, Apr. 24.
Seat for bicycles, Auxiliary. W. P. Murrell. 2,550,200, Apr. 24.
Selective low-pressure desorption of liquids. K. H. Hachmuth. 2,549,968, Apr. 24.
Selective tempering by induction means. G. C. Riegel, E. E. Alexander, and W. H. Lenz. 2,549,930, Apr. 24.
Selectively evacuated temperature regulated container. M. Clar. 2,550,040, Apr. 24.
Self-loading vehicle. T. N. Busch. 2,550,185, Apr. 24.
Self-releasing bracket. A. P. Freeman. 2,550,008, Apr. 24.
Self-sealing cap. W. E. Woods. 2,550,132, Apr. 24.
Separable backing for repair material. A. S. Iknayan and D. A. Macdonald. 2,550,151, Apr. 24.
Separation and fractionation of sugars. E. M. Montgomery and F. B. Weakley. 2,549,840, Apr. 24.
Separation of solid substances of different specific gravity and grain size. F. J. Fontein. 2,550,340, Apr. 24.
Servo unit. W. L. Huntington. 2,549,815, Apr. 24.
Sewing machine. J. Armenti. 2,550,322, Apr. 24.
Sheet metal handling tool. J. G. Miller. 2,549,918, Apr. 24.
Sheet sorting mechanism. E. G. Harrison. 2,550,245, Apr. 24.
Shelf, Movable. H. J. Miller. 2,549,984, Apr. 24.
Shelter, Portable. H. B. Johnson. 2,549,816, Apr. 24.
Shield, Corset stay. W. I. and E. B. Hatch. 2,550,246, Apr. 24.
Shield for headlights, Fluted. E. Petrakakis. 2,550,594, Apr. 24.
Shoe, Infant's. W. Kaut, Jr., L. F. Lauman, and F. J. Winter, Jr. 2,550,484, Apr. 24.
Shoe upper, Laminated. J. B. Normington. 2,549,985, Apr. 24.
Shortening composition and preparing the same. F. F. Hansen. 2,550,558, Apr. 24.
Shutter-mechanism. R. D. Dening. 2,549,964, Apr. 24.
Shutter mechanism. G. W. White. 2,550,103, Apr. 24.
Shuttle replenishing mechanism. I. Mulatti and L. Cremonini. 2,550,287, Apr. 24.
Shuttle tip. A. C. Krukonis. 2,550,273, Apr. 24.
Sighting mechanism. F. V. Johnson. 2,550,482, Apr. 24.
Sign: *See*—
Reflective sign.
Signal and protective system for shunt capacitor banks. R. E. Marbury and W. H. Cuttino. 2,550,119, Apr. 24.
Signal and weight indicator, Fishing trolley line. T. E. McAvoy. 2,550,282, Apr. 24.
Signaling system, Electrical. T. B. D. Terroni and J. E. T. Parker. 2,550,312, Apr. 24.
Simultaneously closing a plurality of circuits. E. Uhlmann and J. Hansen. 2,550,624, Apr. 24.
Single-acting reciprocating engine. A. E. Morellion. 2,550,369, Apr. 24.
Ski, Laminated. H. Chorney. 2,550,002, Apr. 24.
Slide changing device for projectors. F. L. Fish. 2,549,898, Apr. 24.
Sling keeper lock. R. S. Tichenor. 2,550,433, Apr. 24.
Slush pump. Q. O. Stevens. 2,550,171, Apr. 24.
Snap fastener. J. P. Francesco. 2,549,793, Apr. 24.
Socket contact. A. W. Franklin. 2,550,237, Apr. 24.
Socket, Electrical. H. W. Wellington. 2,550,177, Apr. 24.
Soldering tool. O. Schnepp. 2,550,090, Apr. 24.

Spark plug terminal protector. J. P. Le Grand and N. W. Young. 2,550,358, Apr. 24.
Speed control for recording densitometers. M. H. Sweet. 2,550,648, Apr. 24.
Speed-limiting device for dynamoelectric machines. H. D. Else. 2,550,111, Apr. 24.
Speed responsive device, Magnetic. L. L. Bosch 2,549,754, Apr. 24.
Splicing rubber articles. A. N. Iknayan and A. B. Clayton. 2,550,566, Apr. 24.
Spray outfit, Gas-operated. E. D. Rapisarda. 2,550,379, Apr. 24.
Spring: *See*—
Bed spring.
Spring and check, Door closing. P. E. Gibbons. 2,550,059, Apr. 24.
Spring assembly, Adjustable vehicle. H. G. Marshall. 2,550,074, Apr. 24.
Stabilized arc suppressing system for electronic devices. C. C. Herskind and M. J. Mulhern. 2,550,477, Apr. 24.
Stacking apparatus, Box. A. A. Neja. 2,550,587, Apr. 24.
Stand: *See*—
Garment hanger stand.
Stand for Christmas trees. D. J. Griffin. 2,550,009, Apr. 24.
Starting and ignition system. B. H. Short. 2,550,026, Apr. 24.
Starting gate. O. Blake. 2,550,399, Apr. 24.
Steam generator. R. M. Hardgrove. 2,550,066, Apr. 24.
Steam trap. J. L. Mainwaring and H. E. Campbell. 2,550,643, Apr. 24.
Stitcher for forming a single thread lock stitch, Shuttle. C. L. Mollis. 2,549,839, Apr. 24.
Stock inlet. J. E. Goodwillie. 2,550,552, Apr. 24.
Stoker comprising furnace side wall fuel feed means. J. S. Bennett and A. W. Thorson. 2,550,521, Apr. 24.
Stopping mechanism. F. C. Wallace. 2,549,870, Apr. 24.
Storage battery liquid level controller. H. A. Kennedy. 2,550,152, Apr. 24.
Strap splice, Adjustable quick release. D. Morrow and C. E. Cummiskey. 2,549,841, Apr. 24.
Stress-aging process. R. H. Harrington. 2,550,474, Apr. 24.
Stretcher and drier, Curtain. J. J. Zeleznik. 2,549,878, Apr. 24.
Strut means for adjustable angle vises. A. Welz. 2,550,629, Apr. 24.
Submarine detector, Ship's magnetic. J. C. Mouzon, E. S. Lamar, and J. Bardeen. 2,549,845, Apr. 24.
Suit, Self-adjusting bathing. B. J. Christensen. 2,550,327, Apr. 24.
Sunshade, Portable. A. Tatoul. 2,550,311, Apr. 24.
Supersonic inspection. B. Carlin. 2,550,528, Apr. 24.
Supersonic testing. B. Carlin. 2,549,891, Apr. 24.
Support: *See*—
Lamp and license plate Portable receptacle support.
Support for mailboxes or the like. J. B. Dunagan. 2,550,338, Apr. 24.
Support for motor vehicle doors, Power line. A. Rappl. 2,550,021, Apr. 24.
Support for ornamental cornice and Venetian blind. C. W. Jablon. 2,549,905, Apr. 24.
Supporting structure for a plurality of rolls. L. G. Lindsay. 2,549,912, Apr. 24.
Suppression of corrosion. C. Phillips, Jr. 2,550,425, Apr. 24.
Suppression of corrosion. P. S. Viles and D. C. Walsh, Jr. 2,550,434, Apr. 24.
Surface treatment of aluminum and aluminum alloys. E. Simon and F. M. Carasso. 2,550,388, Apr. 24.
Swing. F. Cartwright. 2,550,530, Apr. 24.
Switch: *See*—
Control switch.
Electric slide switch.
Hydro-inertia switch.
Magnetic snap action switch.
Mercury switch.
Thermostatic switch.
Switch construction, Electric. K. C. Allison. 2,549,998, Apr. 24.
Switching device, Crossbar. K. W. Graybill and H. Seugebusch. 2,550,241, Apr. 24.
Switching device, Electronic. R. B. De Lano, Jr. 2,549,895, Apr. 24.
Switching equipment, Automatic selective. O. Wasson and J. R. Palmer. 2,550,506, Apr. 24.
Syringe, Disposable. H. H. Young, D. A. Loper, and M. R. Fields. 2,550,394, Apr. 24.
System and apparatus for starting charged particle accelerators. R. N. Edwards. 2,550,459, Apr. 24.
System for reproducing positions. E. F. W. Alexanderson. 2,550,514, Apr. 24.
Table top, Ironing. H. B. Fay. 2,550,051, Apr. 24.
Table-top member for kitchen units. G. L. C. Earle. 2,550,539, Apr. 24.
Table with leg actuator, Folding. L. H. Wirsig. 2,550,179, Apr. 24.
Tag feeder. H. Jr., H. H. Zabel, and G. Harrison. 2,550,032, Apr. 24.
Take-up device. W. H. Atkisson. 2,550,440, Apr. 24.
Tank: *See*—
Progressive release jettison tank.
Tank circuit apparatus. T. M. Ferrill, Jr. 2,549,789, Apr. 24.
Tank fitting. W. R. Crawford. 2,550,138, Apr. 24.
Tank unloading device, Emergency. J. L. Creed. 2,550,187, Apr. 24.
Telegraph system with an answer-back signal transmitter. J. Estoup. 2,550,541, Apr. 24.
Telephone identification circuit. R. P. Murphy. 2,550,585, Apr. 24.
Telegrammme on automatic telephone circuits. C. M. Thellmanas. 2,549,861, Apr. 24.
Terminal bushing, Sealed. C. V. Fields. 2,550,112, Apr. 24.
Theater for golf, Sports. F. Hubbard. 2,550,480, Apr. 24.
Thermostatic switch. F. L. Darling. 2,550,188, Apr. 24.
Thermostatically controlled mixing valve. W. C. Kirk and M. K. Parkhurst. 2,550,069, Apr. 24.
Thio esters, Preparation of. T. F. Doumani and J. F. Cuneo. 2,550,141, Apr. 24.
Thiosterols, Preparing. J. Strating. 2,549,991, Apr. 24.
Thread trimming mechanism for sewing machines. E. P. Spaine. 2,550,611, Apr. 24.
Thumbtack. C. B. Goodstein. 2,550,549, Apr. 24.
Timing controller, Appliance. P. Martin. 2,550,281, Apr. 24.
Timing device. E. C. Weiskopf. 2,550,102, Apr. 24.
Tire gauge. G. A. Wiedemer. 2,550,508, Apr. 24.
Titanation of polyvinyl resins. F. K. Signaigo. 2,549,940, Apr. 24.
Titanium tetraiodide, Production of. W. B. Blumenthal. 2,550,447, Apr. 24.
Toilet seat. A. Calderon. 2,550,221, Apr. 24.
Tongs, Power-driven pipe. J. P. De Hetre. 2,550,045, Apr. 24.
Tool: *See*—
Fishing tool.
Hydraulically operated machine tool.
Positive grip lifting tool.
Sheet metal handling tool.
Soldering tool.
Tool for drilled wells, Hydraulic type fishing. G. W. Moore. 2,550,080, Apr. 24.
Tool for splicing wires. F. R. Miller. 2,549,838, Apr. 24.
Tool for twisting wire leaders. M. L. Whaley. 2,550,130, Apr. 24.
Toolholder. W. B. Retz. 2,550,645, Apr. 24.
Toolholder, Releasable and reversible floating. T. R. Jones. 2,549,972, Apr. 24.
Toolholding device for machine tools. L. E. H. Gustavsson. 2,549,967, Apr. 24.
Toothbrush, Disposable. A. Greenberg. 2,550,190, Apr. 24.
Torque converter, Rotary turbine-type hydraulic. P. Orr. 2,550,082, Apr. 24.
Toy, Climbing. R. K. Hallum. 2,550,065, Apr. 24.
Toy, Figure. R. E. Dorshaw. 2,550,407, Apr. 24.
Toy handcar. H. Machesney. 2,549,980, Apr. 24.
Track sander. G. T. Shotwell. 2,550,608, Apr. 24.
Trailer hitch. H. D. Hume. 2,549,814, Apr. 24.
Transducer, Electroacoustic. J. de Boer and G. Schenkel. 2,549,963, Apr. 24.
Transducer head, Magnetic. M. Camras. 2,549,771, Apr. 24.
Transformer core, Low yoke. L. S. Schell, Jr. 2,550,500, Apr. 24.
Transformer having coaxial leads, High-frequency. F. H. Gusdorf and E. A. van Ijzeren. 2,550,244, Apr. 24.
Transmission. G. E. Flinn. 2,550,055, Apr. 24.
Transmission system for controls and signals for toll or long distance telephone circuits. F. P. Gohorel. 2,549,803, Apr. 24.
Transmitting mechanical motion through a fluid-tight wall. J. R. Oliver. 2,549,986, Apr. 24.
Transporting heavy loads. E. E. Bollinger. 2,550,219, Apr. 24.
Trap: *See*—
Powder trap.
Steam trap.
Traverse mechanism for grinding machines and the like. M. Fairest. 2,550,543, Apr. 24.
Tray for operating tables, Conveyer service. W. J. Soper. 2,550,306, Apr. 24.
Tray, Serving. C. Kolacy. 2,550,154, Apr. 24.
Treating fuel. N. N. Stephanoff. 2,550,390, Apr. 24.
Treating mica and composition. J. J. Bardet. 2,549,880, Apr. 24.
Treating polymerized terpene resin. B. L. Hampton. 2,550,557, Apr. 24.
Treatment of oil-base drilling fluids. P. W. Fischer. 2,550,054, Apr. 24.
Treatment of stockings and other knitted articles. L. Heldmaier. 2,550,559, Apr. 24.
Trigger-adjusting means for firearms. R. C. Hoard. 2,549,904, Apr. 24.
Triple-action press. R. W. Glasner and E. K. Johansen. 2,550,062, Apr. 24.
Tripod for photographic purposes. G. C. Kammermeyer. 2,550,415, Apr. 24.
Truck for canal lining equipment. L. R. Zimmerman. 2,549,954, Apr. 24.

Truck for canal lining equipment, Supporting. L. R. Zimmerman. 2,549,953, Apr. 24.
Truck, Pallet. H. J. Framhein. 2,550,548, Apr. 24.
Tube: *See*—
Electric discharge tube. Inner tube.
Tube fitting assembly. J. B. Parsons. 2,550,591, Apr. 24.
Tuner, Electronically controlled. B. A. Schwarz and J. H. Guyton. 2,550,430, Apr. 24.
Tuning assembly. M. Petroff. 2,550,162, Apr. 24.
Tuning control for television sets. J. A. Jones. 2,550,483, Apr. 24.
Tuning device, Drum. D. E. Hull. 2,550,249, Apr. 24.
Twisting strands together to form a ply construction. R. J. Clarkson. 2,550,136, Apr. 24.
Ulcer therapy composition. G. J. Martin and J. N. Moss. 2,550,489, Apr. 24.
Undergarment for ladies. N. Young. 2,550,396, Apr. 24.
Undergarment, Ladies'. N. Young. 2,550,395, Apr. 24.
Use of a blend of tertiary alkyl mercaptans in emulsion polymerization. W. W. Crouch and E. G. Marhofer. 2,549,962, Apr. 24.
Use of blends of tertiary alkyl mercaptans in emulsion polymerization. W. W. Crouch and E. G. Marhofer. 2,549,961, Apr. 24.
Valve: *See*—
Automatic valve. Expansion valve.
Automatic time valve. Float valve.
Control valve. Measuring valve.
Electromagnetically operated valve. Thermostatically controlled mixing valve.
Valve. K. MacDonald. 2,550,418, Apr. 24.
Valve for machine tools, Multiple position spool. L. V. Harding. 2,550,148, Apr. 24.
Valve means for hydrostatic power transmitting systems, Pressure operated. K. E. Evrell. 2,549,897, Apr. 24.
Variable-speed transmission chain. L. E. Shaw. 2,550,431, Apr. 24.
Variable surface wings and tail fins in flying machines. J. Makhonine. 2,550,278, Apr. 24.
Vehicle: *See*—
Coal mine hauling vehicle. Self-loading vehicle.
Motor vehicle.
Vehicle suspension system. C. J. Smith. 2,549,942, Apr. 24.
Vehicle suspension unit. J. J. Crookston. 2,550,331, Apr. 24.
Vented neck mold. C. L. Dotson. 2,550,140, Apr. 24.
Ventilation of vehicles. K. B. Hopfinger. 2,550,353, Apr. 24.
Vessel, Stable marine. F. B. Romero. 2,550,298, Apr. 24.
Vibrating suspension apparatus. E. Damond. 2,550,534, Apr. 24.
Vibration mounting. D. T. Bradley. 2,549,768, Apr. 24.
Vine and seed stripper. W. E. Urschel. 2,550,129, Apr. 24.
Viscosity meter. C. H. Fay. 2,550,052, Apr. 24.
Vise, Quick-acting bench. J. A. and J. Follmer. 2,550,547, Apr. 24.
Voltage multiplier. A. C. van Dorsten. 2,549,995, Apr. 24.
Voltage power supply, Amplifier bias. C. Martinez. 2,549,833, Apr. 24.
Voltage regulator. E. Engelman. 2,549,782, Apr. 24.
Vulcanizing "Butyl" rubber. A. O. Franz. 2,550,342, Apr. 24.
Watercraft adapted to be supported by hydrovanes when in motion. E. Bussel. 2,550,220, Apr. 24.
Water tempering and measuring system. A. Emerson, Jr., and F. L. A. Schmidt. 2,550,050, Apr. 24.
Wave-signal transformer. B. D. Loughlin. 2,550,486, Apr. 24.
Wax composition and making same, Shuffleboard. W. G. Young, Sr. 2,550,631, Apr. 24.
Wax, Stabilized paraffin. H. J. Zoeller. 2,550,438, Apr. 24.
Weight reducer, Vibratory. W. A. Rohliffs. 2,549,933, Apr. 24.
Welded journal box. J. Mikulak, J. A. Sober, and E. B. Sult. 2,550,284, Apr. 24.
Welding, Method of and apparatus for. I. Harter. 2,550,641, Apr. 24.
Well logging method and apparatus utilizing periodicaly variable spontaneous potentials. H.-G. Doll. 2,550,005, Apr. 24.
Wheel supporting side member, including a spring mounting therefor. H. R. Randleman. 2,550,084, Apr. 24.
Winding machine, Rod. E. Wodetzky. 2,550,131, Apr. 24.
Window glass mounting. J. Schunk. 2,550,300, Apr. 24.
Window shade fixture. S. M. Ayoub. 2,550,214, Apr. 24.
Window structure. G. W. Risien. 2,550,024, Apr. 24.
Wiper blade construction, Heated windshield. T. J. Vidrick and W. F. Karstens. 2,550,504, Apr. 24.
Wiper blade control linkage. T. J. Smulski. 2,550,094, Apr. 24.
Wiper, Rod. J. W. MacClatchie. 2,550,487, Apr. 24.
Wiper, Windshield. T. J. Smulski. 2,550,095, Apr. 24.
Wiring unit. H. P. Mixer. 2,550,079, Apr. 24.
Wobble drive mechanism. E. E. K. Sparmann. 2,550,612, Apr. 24.
Wrench and extension-handle assembly, Vehicle-wheel. H. H. Lane. 2,549,910, Apr. 24.
Wrench having guided work-engaging rollers, One-way engaging. A. Kavalar. 2,550,010, Apr. 24.
X-ray diffraction method. W. Parrish and E. A. Hamacher. 2,549,987, Apr. 24.
Yarn tensioning device for winding machines. G. M. Brainerd and A. Vachon. 2,550,448, Apr. 24.

CLASSIFICATION OF PATENTS

ISSUED APRIL 24, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business April 6, 1951

Total number of patent applications awaiting action, 114,378. Date of oldest new application, April 13, 1950; date of oldest amended application, April 10, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. Hertz, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	5-6-50	5-3-50	2670
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	6-27-50	6-1-50	1601
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	7-28-50	7-20-50	1561
4. BISHOP, WALTER C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	4-24-50	4-26-50	2056
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-19-50	4-13-50	1571
6. SURLE, H., Carbon Chemistry (part)	7-15-50	6-10-50	1780
7. GONSALVES, J. E., Optics; Photography (part)	9-21-50	9-27-50	1111
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-23-50	5-24-50	2079
9. BENSON, R. B., Pumps and Fans; Fluid Motors	5-2-50	4-26-50	1579
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	5-16-50	5-9-50	1249
11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	5-16-50	5-25-50	1172
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	6-21-50	7-1-50	1344
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Rolling, Drawing, Turning).	5-3-50	5-3-50	1448
14. MANIAN, JOSEPH C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	5-6-50	5-6-50	1578
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	9-11-50	8-15-50	1104
16. LOVEWELL, N. N., Television; Telephony	6-23-50	6-15-50	1226
17. LEIGHEY, R.A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4 21-50	4-13-50	2175
18. KURZ, J. A., Power Plants; Speed Responsive Devices	4-15-50	4-19-50	1472
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-28-50	5-1-50	1303
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-1-50	4-22-50	1713
21. MADER, R. C., Textiles; Package and Article Carriers	5-1-50	4-27-50	1782
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	5-9-50	5-8-50	1309
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	5-12-50	5-2-50	894
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus; Sewing Machines	8-16-50	8-14-50	1641
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	7-3-50	7-1-50	1504
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	5-19-50	5-3-50	1252
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	6-6-50	6-6-50	2159
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-19-50	5-9-50	1491
29. HABECKER, LEON B., Baggage; Cloth; Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	6-2-50	6-3-50	2037
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	8-7-50	8-7-50	1804
31. HUTCHISON, EARL W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	7-7-50	7-5-50	2061
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	7-28-50	5-26-50	1438
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	6-26-50	6-14-50	2096
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	5-20-50	5-22-50	1470
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	5-9-50	5-4-50	1761
36. McFADYEN, A. D., Measuring and Testing	4-19-50	4-10-50	1489
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	6-14-50	6-8-50	1407
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	7-20-50	6-16-50	1198
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	5-5-50	5-2-50	2667
40. DRUMMOND, E. J., Receptacles (part); Packages	6-8-50	5-5-50	2997
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-8-50	5-15-50	1482

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 114,378. Date of oldest new application, April 13, 1950; date of oldest amended application, April 10, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	6-28-50	6-15-50	2044
43. ASP, NOOIA, (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	10-6-50	7-25-50	1020
44. HARVEY, L. P., Beds; Chairs, Seats	4-13-50	4-17-50	1547
45. MANIAN, JACOB A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-5-50	5-8-50	1741
46. O'LEARY, ROBERT A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	5-3-50	4-20-50	1311
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part)	5-24-50	6-1-50	1504
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	7-31-50	6-1-50	1173
49. BENDETT, BENJAMIN, Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	7-3-50	7-3-50	1313
50. LEVIN, SAMUEL, Synthetic Resins	10-10-50	8-16-50	1374
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-23-50	5-19-50	1444
52. POPPE, W. A., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-2-50	5-5-50	3176
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	5-18-50	5-20-50	1039
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-31-50	5-9-50	1704
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	7-12-50	8-8-50	1041
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	7-10-50	7-7-50	1668
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	9-7-50	8-31-50	1144
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	5-16-50	5-4-50	1308
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	7-6-50	7-11-50	1220
60. LEVY, MAX L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-17-50	4-25-50	1281
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-26-50	5-8-50	1803
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	5-5-50	4-24-50	2173
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	7-25-50	7-20-50	1433
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-8-50	9-8-50	1723
65. MORSE, EXCELLENZA L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-14-50	7-14-50	1602
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	5-10-50	5-8-50	1235
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-13-50	7-24-50	1471
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	7-15-50	7-3-50	1673
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	5-9-50	5-4-50	1505
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	4-14-50	4-17-50	1903
DESIGNS: A. BREHM, G. L. Industrial Arts	1-8-51	12-26-50	876
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	12-13-50	1-6-51	1013

Total number of trade-mark applications awaiting action (including renewals and republications), 21,567. Date of oldest new application, July 18, 1950; date of oldest amended application, July 12, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	7-21-50	7-12-50	6233
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	8-16-50	8-17-50	3621
Renewals (All Classes)	2-2-51	3-7-51	565
Republications (All Classes)	2-13-51	3-7-51	205
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	7-18-50	7-12-50	5705
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	7-28-50	7-29-50	5238

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,112,074, A. P. Cunnyngham, Hair curler: 2,145,278, N. L. Solomon, same; 2,168,368, same, Slumber curler, D. C. N. J. (Newark), Doc. 11212, *Tip-Top Products Co.* v. *Solo Products Corp. et al.* Judgment entered holding patents invalid Mar. 19, 1951.

2,120,667, B. Gruskin, Therapeutic agent for use in the treatment of infection, D. C., N. D. Ill. (Chicago), Doc. 48c764, *Lakeland Foundations et al.* v. *M. B. Angland et al.* Patent held valid and infringed Mar. 15, 1951.

2,145,278. (See 2,112,074.)

2,155,295, J. B. Bartow, Airport lighting system, filed Mar. 15, 1951, D. C., S. Dak. (Sioux Falls), Doc. 382–W, *Bartow Beacons, Inc., et al.* v. *The Interstate Co.* Doc. 459–N, *Bartow Beacons, Inc., et al.* v. *City of Watertown, S. Dak.*

2,168,368. (See 2,112,074.)

2,281,315. (See Des. 132,636.)

2,284,352, D. G. Zank, Seat, filed Mar. 17, 1951, D. C. Nebr. (Omaha), Doc. 25/51, *D. G. Zank* v. *Fleischer & Schmid Corp.*

2,296,645, G. P. Marsden, Melon aligning and spacing conveyer, D. C., N. D. Calif. (San Francisco), Doc. 28978, *Rapid Cleave Corp.* v. *Food Machinery & Chemical Corp.* Stipulation for dismissal without prejudice (notice Mar. 13, 1951).

2,311,949. (See Des. 132,636.)

2,320,408, E. C. Clark, Undergarment (declaratory judgment), D. C., S. D. N. Y., Doc. 59/275, *Youthcraft Creations, Inc.* v. *Guild Foundations, Inc.* Stipulation and order of discontinuance Mar. 12, 1951.

2,333,160, G. E. Dunn, Process for finishing fabric articles; 2,350,021, same, Method of treating textiles, filed Mar. 9, 1951, D. C., M. D. N. C. (Greensboro), Doc. 547–G, *Paramount Textile Machinery Co.* v. *Glen Raven Knitting Mills, Inc.*

2,350,021. (See 2,333,160.)

2,354,601. (See Des. 132,636.)

2,428,198. (See Des. 146,895.)

2,505,411, Kolodny & Micci, Glass syringe having lettering embedded flush therein, filed Mar. 15, 1951, D. C. N. J. (Newark), Doc. 247/51, *Becton Dickinson & Co.* v. *E. Rutherford Syringes, Inc.*

2,507,193, F. H. Buckwalter, Penicillin product, filed Mar. 12, 1951, D. C., S. D. Ind. (New Albany), Doc. 427, *Bristol Laboratories, Inc.* v. *Schenley, Inc.*

2,531,016, O. H. Waechter, Treatment of fibro-cement products, suit for declaratory judgment filed Mar. 9, 1951, D. C. N. J. (Newark), Doc. 222/51, *The Flintkote Co.* v. *Asbestos-Cement Research, Inc., et al.* Same, suit for declaratory judgment filed Mar. 13, 1951, D. C. N. J. (Newark), Doc. 240/51, *Asbestone Corp.* v. *Asbestos-Cement Research, Inc.*

2,531,189, D. M. Abel, Artist's sketch box, filed Mar. 19, 1951, D. C., E. D. N. Y., Doc. 11/616, *D. Blau* v. *American Artists Color Works, Inc.*

2,534,991, H. V. Reed, Clutch plate, filed Mar. 15, 1951, D. C., E. D. Mich. (Detroit), Doc. 10410, *Borg-Warner Corp.* v. *Joint Clutch & Gear Service, Inc., et al.*

Des. 132,636, 2,281,315, 2,311,949, 2,354,601, H. B. Latina, Baseball glove, filed Mar. 19, 1951, D. C., N. D. N. Y. (Utica), Doc. 3897, *Rawlings Mfg. Co.* v. *Ken-Wel Sporting Goods Co., Inc.*

Des. 146,895, M. M. Brohard, Jr., Shirt; 2,428,198, same, Garment, D. C., S. D. Ohio (Cincinnati), Doc. 1847, *Cara Clothes, Inc., et al.* v. *Squires, Inc.* Patents held invalid; complaint dismissed Mar. 16, 1951.

Des. 156,234, R. H. Higier, Glove, D. C., S. D. N. Y., Doc. 56/193, *Crescendoe Gloves, Inc.* v. *J. M. Rubin & Sons, et al.* Stipulation and order of discontinuance Mar. 15, 1951.

Des. 157,299, Des. 157,300, G. C. Tait, Stocking, filed Mar. 15, 1951, D. C., E. D. Pa., Doc. 12039, *Millway Knitting Mills, Inc., et al.* v. *Strong-Wear Hosiery Co.*

Des. 157,300. (See Des. 157,299.)

NOTICES

Interference Notice

Kent Cox, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Design Patent No. 154,991, granted August 30, 1949, to Kent Cox, Box 528, Far Hills, Ohio, and the application for patent of Harry L. Ratchford, No. 300 North Calvert Ave., Muncie, Indiana. The notice of such declaration sent by registered mail to the party Cox at the address indicated has been returned by the Post Office as undeliverable. Said notice, together with copies of Office actions, was then reforwarded by registered mail to Holiness Church Mission, Seoul, Korea, the address supplied by counsel for Cox, but was returned with the notation "Service Suspended" endorsed on the envelope. The Office

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therefore has been unable to secure service upon the party Cox. Notice is hereby given that unless said Cox, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner.

Mar. 26, 1951.

OFFICE OF THE SECRETARY

Appeals in Trade-Mark Cases

Delegation of Authority Under Reorganization Plan No. 5 of 1950

The order issued September 25, 1950, published September 28, 1950 (15 F. R. 6554) and amended by order issued January 30, 1951, published February 6, 1951 (16 F. R. 1094) is further amended (including the heading) by striking out the word "temporary" in the heading and in the last sentence, and by striking out the second sentence, so that the heading reads as set forth above and text of said order reads as follows:

Acting under the provisions of section 2 of Reorganization Plan No. 5 of 1950, I hereby authorize the several members of the Board of Appeals of the United States Patent Office who have been appointed by the President by and with the advice and consent of the Senate (35 U. S. C. 2, 7), to hear and decide appeals from decisions of the examiner in charge of interferences or of the registration of marks in trade-mark cases, either individually or in panels as may be assigned by the Commissioner of Patents. This authorization does not supersede or limit the delegation under Reorganization Plan No. 5 of 1950, filed May 24, 1950, 15 F. R. 3195.

(R. S. 161; 5 U. S. C. 22. Reorg. Plan 5 of 1950, 15 F. R. 3174)

Issued March 23, 1951.

[SEAL] THOMAS W. S. DAVIS,
Acting Secretary of Commerce.

(This order was published in the Federal Register for Mar. 29, 1951, vol. 16, page 2771.)

Disclaimers

2,402,989.—*Arthur H. Dickinson*, Scarsdale, N. Y. ACCUMULATING APPARATUS. Patent dated July 2, 1946. Disclaimer filed Mar. 20, 1951, by the assignee, *International Business Machines Corporation*.

Hereby enters this disclaimer to claims 26 and 32 of said patent.

2,410,951.—*Winfield R. Koch*, Haddonfield, N. J. SUPERREGENERATIVE RECEIVER CIRCUITS. Patent dated Nov. 12, 1946. Disclaimer filed Mar. 13, 1951, by the assignee, *Radio Corporation of America*.

Hereby enters this disclaimer to claims 1, 2, 3, 6, 7, and 8 of said patent.

2,419,576.—*Maurice Moise Levy*, London, England. APPARATUS FOR MEASURING SHORT TIME INTERVALS. Patent dated Apr. 29, 1947. Disclaimer filed Mar. 16, 1951, by the assignee, *International Standard Electric Corporation*.

Hereby enters this disclaimer to claim 1; however, no disclaimer is entered to claims 2, 3, and 4, dependent upon claim 1, of said patent.

2,459,859.—*Simeon Weston*, New York, N. Y. GRID STRUCTURE FOR ELECTRON DISCHARGE DEVICES. Patent dated Jan. 25, 1949. Disclaimer filed Mar. 9, 1951, by the assignee, *Federal Telephone and Radio Corporation*.

Hereby enters this disclaimer to claims 1 to 8, inclusive, of said patent.

2,484,848.—*Wm W. Paget*, Michigan City, Ind. PRESSURE CONTROLLING APPARATUS. Patent dated Oct. 18, 1949. Disclaimer filed Mar. 21, 1951, by the assignee, *Joy Manufacturing Company*.

Hereby enters this disclaimer to claim 17 of said patent.

Classification Order No. 97

The following transfers are hereby ordered to take effect Monday, March 19, 1951:

Class 38, Textiles, Ironing or Smoothing
from C. E. D. to Division 24.
Class 166, Wells
from C. E. D. to Division 49.

A. W. CROCKER,
Executive Primary Examiner.

Mar. 14, 1951.

Classification Order No. 98

March 20, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 140, Wireworking* (Division 14)
Fabric making
All wire
Quadrangle mesh
8 Coiled
Wire straightening
148 Rolls

In *Class 153, Metal Bending* (Division 14)
Curving or straightening
37 Flier frame

CHANGE SUBCLASS TITLES

In *Class 131, Tobacco* (Division 2), change the title of subclass 172 to read:
Tobacco users' appliances
Smoking devices
172 Manufacturing apparatus; processes of manufacture or use.

In *Class 137, Water Distribution* (Division 39), change the title of subclass 161 to read:
161 **Temperature operated cut off valves**

In *Class 178, Telegraphy* (Division 42), change the title of subclass 71 to read:
Repeaters
71 Automatic in either direction

ESTABLISH SUBCLASSES

In *Class 29, Metal Working* (Division 13)
(H. K. SAALBACH, *Classifier*)
Special work
25.3 Barrier layer device making (e. g., rectifier, transistor)
25.31 Electrolytic type (e. g., electrolytic condenser)

In *Class 117, Coating: Processes and Miscellaneous Products* (Division 38)
(H. K. SAALBACH, *Classifier*)
Particular base or coating
121.7 Barrier layer coating (e. g., rectifier, condenser)

In *Class 140, Wireworking* (Division 14)
(I. J. ROTKIN, *Classifier*)
Article making or forming
92.3 Helix screwing through row of loops or openings
92.4 Method
92.5 Repeated interlacing with same row (e. g., cording mechanism)
92.6 Simultaneous interlacing of plural helices
92.7 Combined
92.8 Loop row shifter
92.9 Helix rotator travelling axially
92.93 Grooved roller helix guides
92.94 Helix embracing guides

In *Class 153, Metal Bending*
(C. G. SMITH, *Classifier*)
85 **Progressive back and forth bending** (e. g., reverse bending) (to follow sub. 82)
86 Methods
87 With automatic control
88 With support for coil of work
89 With cutter
90 With other type bender or straightener
91 Deflector between crossed roll passes
92 Combined
93 Multiple or successive units
94 Aligned and acting in angularly related planes
95 On mount reciprocating along work
96 Abutment rotated between coaxial guide openings
97 With abutment projectable during rotation
98 Planetary annular abutment
99 Axially variable abutment spacing
100 Rolling contact abutments
101 With inter-abutment threading guide
102 Rotary carrier for abutments
103 Staggered abutments in opposed rows
104 Rolling contact abutments (e. g., roller leveller)
105 Crossed rolls
106 Backed up rolls
107 Adjustable tier roll mount
108 Crossed rolls
109 With projectable intermediate abutment

In *Class 192, Clutches and Power-Stop Control* (Division 68)
(S. M. NEWMAN, *Classifier*)
21.5 **Field responsive frictional media type**

In *Class 252, Compositions* (Division 64)
(H. K. SAALBACH, *Classifier*)
62.2 **Electrolytes for electrical devices** (e. g., rectifier, condenser)
62.3 **Barrier layer device compositions**

MISCELLANEOUS CHANGES

On page 292–2, subclass 211 should be moved one step of indentation to the left to be indented under subclass 210.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
140	8	140	92.3+
140	148	153	85+
153	37	153	85+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
29	25.3	175	30+, 366
29	25.31	175	315+
117	121.7	175	366
140	92.3+	11	1
		140	3, 8, 93
153	85+	140	139+, 147, 148
		153	2+, 32+
192	21.5	192	84
252	62.2	175	315+
252	62.3	175	366

IN THE DEFINITIONS:

5, Beds

In subclass 186, add:
Search Class—
140—WIREWORKING, subclass 92.5, for devices making marginal portions by the repeated intercoiling of helices to form "cords".

In subclass 189, add:
(1) Note.—See search note to Class 140, Wireworking, under subclass 186 of this class (5).

11, Books, Making

In the class definition, cancel "(10) Search Classes", and substitute *Search Class*, and insert:
77—BORING AND DRILLING, see (1) Note and (2) Note.
81—TOOLS, see (3) Note.
91—COATING, see (4) Note.
100—PRESSES, see (5) Note.
140—WIREWORKING, for processes and apparatus including the interlacing of a rotated helix with the marginal perforations of a plurality of sheets see subclass 92.3+.
143—WOOD SAWING, see (6) Note.
144—WOODWORKING, see (2) Note, (7) Note and (8) Note.
164—CUTTING AND PUNCHING SHEETS AND BARS, see (9) Note.

29, Metal Working

In the class definition, under "Section II", insert in numerical order:

25.3—**Barrier layer device making.**

In subclass 17, add:

(2) Note.—This subclass includes apparatus for bending a pack of sheets for separating them from each other. These devices frequently conduct the pack along a circuitous course so that the pack is deflected first in one direction and then in the other with consequent separation of the laminations. See Class 153, METAL BENDING, subclass 85+, for apparatus and methods in which a single metal element, such as a rod, sheet or wire is bent back and forth and such bending proceeds continuously along the metal to treat each successive portion similarly.

Search Class—
80—METAL ROLLING, see (1) Note above.
153—METAL BENDING, subclass 85+, see (2) Note above.

establish the following subclass definitions:

25.3. Miscellaneous processes and apparatus not elsewhere classifiable for the making of barrier layer type electrical devices.

(1) Note.—This subclass includes the miscellaneous processes and apparatus for making electrolytic devices except those electrolytic devices classified in Class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, and those electrolytic devices classified in Class 136, BATTERIES. It includes the making of contact rectifiers, transistors, electrolytic condensers and lightning arresters of the barrier layer type. A barrier layer device is defined for the purpose of classification as an electrical component consisting of two conductors placed either in contact with each other or separated by an interface layer, which component has a non-linear resistance characteristic. The non-linear resistance characteristic may be such that the device will pass current in one direction when the voltage is applied in one direction but will not pass any appreciable current when the voltage is applied in the other direction (e. g., rectifiers, electrolytic condensers), or will pass a proportionately different amount of current at different values of applied voltage. In the latter case, where the device passes a disproportionate amount of current, to be classified in this subclass, the non-linearity must arise as a result of the electrical action of the interface between the two conductors rather than from the characteristics of the conductors. For example, an electrical component having a resistance material which varies its resistance due to inherent changes in temperature with change in applied voltage is not included herein.

(2) Note.—This and indented subclass are not limited to the manufacture of barrier layer devices where a metal working operation is involved, but include the manufacture of such devices from any material where no specific class provides for the subject matter claimed.

(3) Note.—Where the patent includes a claim to the barrier layer device in addition to claims for the process of manufacture, the patent is classified in the article class and cross-referenced to these subclasses.

(4) Note.—In these subclasses are found, inter alia, patents relating to the manufacture of barrier layer devices by the combination of steps which are per se classified in another class and the step of subjecting the barrier layer device to a forming, testing or aging current. The step of forming an electrolytic coating on an electrode, without more, is not deemed such a forming operation.

Search this class, subclass—

2—for machines and processes of making electric battery grids.

25.1 + —where the barrier layer device is an electric space discharge device.

25.41 + —for electric condenser making processes and apparatus where the condenser is not a barrier layer device.

148 + —for the miscellaneous processes of assembly, manufacture or repair. The indented subclasses 155.5 + relate to the process of making miscellaneous electrical devices and, of these, subclass 155.55 relates to the making of terminals such as those used with barrier layer devices.

180 + —for metal stock blanks or intermediate articles, such as metal coated bases used in the processes of this and the indented subclass to make a barrier layer device. Of these subclasses 183 + relate to metal blanks or articles which have structure more complex than mere multilaminar structure, while 194 + relate to mere multilaminar metal blanks and articles.

200 + —for miscellaneous assembling and disassembling apparatus. Indented subclass 203 + relates to assembling and disassembling apparatus for electrical devices not classified higher up in this class or in another class. Subclass 204 relates to electric battery assembling and disassembling apparatus.

284 + —for miscellaneous work supports.

Search Class—

18—PLASTICS, for the working of non-metallic plastic objects, such as the rolling of cuprous sulphide. Note particularly subclass 47.5 for plastic working processes combined with other processes, subclass 54.7 for plastic working processes for making electrodes of electric devices, and subclass 59 for processes of uniting a plastic body to another object.

41—ORNAMENTATION, subclasses 39 + and 41 + for metal stock having surfaces which are roughened or etched by mechanical and chemical means respectively and for the processes of making such stock. Note that foil used in the electrolytic condensers is usually treated by such a process.

75—METALLURGY, subclass 22 for processes of producing parts by powder metallurgy, such as porous metallic electrodes for electrolytic devices. Also consult the search notes to this subclass for the classification of the resulting products. Subclass 122 + provides for the composition of alloys.

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for miscellaneous coating and plastic compositions such as ceramic or varnish compositions. Note that compositions specialized for use as an electrolyte (other than battery electrolytes and Class 204 electrolytes) are in Class 252, COMPOSITIONS, subclass 62.2 and other coating and plastic compositions having barrier layer properties are in subclass 62.3 of Class 252.

117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for coating processes and coated bases where no structure other than a base with a coating thereon is claimed. Subclass 16 + relates to such subject matter wherein particulate material is applied to a base, subclass 47 + where there is a preparatory treatment of the base prior to coating, subclass 62 + where there is a subsequent treatment, such as a heat treatment, subclass 69 + where plural different coatings are produced, subclass 104 + where the coating is projected on to the base as by spraying, subclass 106 + where the coating is applied from the vapor state, and subclass 113 where the coating is applied by immersion. Note especially subclass 121.7 where the coating is one which has barrier layer properties. This latter subclass takes processes of manufacturing barrier layer devices characterized by a coating step. The resultant products are also in this subclass if the only structure involved is a base with a coating thereon. Impregnation is considered to be coating.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses, for processes of and apparatus for cleaning material such as stock material for barrier layer devices.

136—BATTERIES, appropriate subclasses for batteries. Note that Class 136 provides for some processes of making batteries. See the reference to Class 29, METAL WORKING, subclasses 2 and 204 above. Note especially subclasses 4 + and 89 of Class 136 for thermal and photo-electric batteries which contain barrier layers. See subclass 153 + of Class 136 for battery electrolytes.

148—METAL TREATMENT, for processes and products of treating metal, such as heat treating or coating the metal by reacting a treating agent with the metal. Note especially subclass 6.14 + where a base is coated by reacting it with a liquid medium, and 6.3 + where the base is coated by reacting it with a gaseous medium, and 31.5 for metal stock coated with a reactively produced coating.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, for miscellaneous processes and products of laminating plural sheets or strands. Note especially subclasses 80, for condenser making by the steps of laminating and impregnating, 129 + for processes where a metal lamina is involved, and subclass 46 + for processes where a fabric lamina is involved.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 315 +, for electrolytic devices such as electrolytic condensers and rectifiers, 264 for static electricity dischargers, 30 + for lightning arresters, and 366 for solid rectifying devices. Many of these devices are barrier layer devices.

201—RESISTANCES AND RHEOSTATS, subclass 63 +, for various types of resistance elements, many of which have a non-linear resistance characteristic.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, for processes, products and apparatus for treating base stock by electrolytic processes. Note especially subclass 33 for the cleaning or etching of aluminum by electrolytic methods, 38 for electrolytic coating combined with other coating processes, and subclass 58 for the oxide coating of aluminum from an aqueous bath. The electrolytes for use in Class 204 apparatus are classified in the appropriate process subclass in that class. See the reference to Class 204 in (1) Note above.

250—RADIANT ENERGY, subclass 21 +, for detectors of the type used to detect radio waves. Note indented subclass 23 for electrolytic and subclass 30 + for solid element, such as crystal, detectors.

252—COMPOSITIONS, subclass 62.2, for electrolytes for electrolytic devices such as electrolytic condensers and rectifiers, 62.3 for barrier layer device compositions, 63 + for dielectric or insulating compositions, and 490 + for resistance compositions.

25.31. Subject matter under subclass 25.3 in which the barrier layer device is an electrolytic device.

(1) Note.—See the search notes to subclass 25.3 above for the other related classes and for the distinction between Class 136, BATTERIES, 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, and this subclass.

in subclass 25.41, cancel "(1) Note", and substitute:

(1) Note.—This and indented subclasses do not include the manufacture of electric condensers of the electrolytic type. The patents relating to the manufacture of electrolytic condensers are in this class, subclass 25.3 +, or in the classes referred to in the search notes of that subclass.

and under "Search this class, subclass", add in numerical order:

25.3 + —and see (1) Note above.

in subclass 33, under "Search Class", add:

153—METAL BENDING, subclass 85 +, for bending apparatus in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat successive portions similarly in combination with means for performing other bending operations or means for cutting the metal.

in subclass 81, under "Search Class", insert:

153—METAL BENDING, subclass 85 +, for apparatus and methods in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly, i. e., metal flexing per se.

in subclass 110, Section II, under "Search Class", cancel the reference to Class 140, Wireworking, and under "Index to Classes Referred to in Preceding Sections", in the reference to Class 140, Wireworking, cancel "wire straightening rolls, sub. 148, II".

in subclass 155.5, under "Search this class, subclass", insert in numerical order:

25.3 + —and the classes referred to in the search notes of these subclasses, where the device being made is a barrier layer device, such as a contact rectifier or electrolytic condenser.

and under "Search Class", add:

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 376 +, for methods and apparatus for placing electric wire.

in subclass 203, under "Search this class, subclass", insert in numerical order:

25.3 + —for barrier layer device (e. g., contact rectifier, electrolytic condenser) making apparatus.

and under "Search Class", insert in numerical order:

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 376 +, for electric wire placing apparatus.

in subclass 240, insert:

(1) Note.—The intercoiling of helices of wire with each other or with successive loops or apertures by rotation of said helices with or without the concurrent helix forming is classified in Class 140, WIREWORKING, subclass 92.3 +.

30, Cutlery

in the class definition, under "Other Main Search Classes", add:

(65) 153—METAL BENDING, subclass 89 for a cutting device in combination with apparatus in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat successive portions similarly.

and under "Miscellaneous notes and index to all notes to the class definition" insert:

153—METAL BENDING, see Note (65).

43, Fishing, Trapping and Vermin Destroying

in subclass 21.2, under "Search Class", insert:

224—PACKAGE AND ARTICLE CARRIERS, subclass 5, for body or belt attached supports for fishing rods.

in subclass 24, under "Search Class", in the reference to Class 242, change the period to a comma and add:

and particularly subclass 158 for line guide traverse mechanism.

in subclass 25, add:

Search Class—

242—WINDING AND REELING, subclass 84.4 for fishing rod reels provided with means for laying the line upon the reel in layers by traverse movement.

in subclass 42.35, under "Search this class, subclass", cancel the reference to subclass 42.01 and insert:

26.2—for hollow bodies containing motors to operate the lure or members thereof.

51, Abrading

in subclass 75, under "Search Class", insert:

153—METAL BENDING, subclass 88, for machines for progressively bending metal back and forth and working continuously along the metal which may employ a coil of work to move the work through the treating means, and see the notes thereto for other metal working devices which employ a work coil to actuate the material through the treating apparatus.

58, Horology

cancel the definition of subclass 40, and substitute:

40. Devices under subclass 23 relating to means for winding clocks.

64, Machine Elements, Shafting and Flexible Shaft Couplings

in subclass 28, under "Search Class", add:

192—CLUTCHES AND POWER-STOP CONTROL, subclass 21.5, for field responsive frictional media type torque responsive devices.

69, Leather Manufactures

in subclass 33, add:

Search Class—

153—METAL BENDING, subclass 85 +, for apparatus and methods in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly and see the notes thereto for like working elsewhere classified.

80, Metal Rolling

in subclass 3, add:

Search Class—

153—METAL BENDING, subclass 89, for bending apparatus in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly in combination with means to sever the metal.

in subclass 13, add:

Search Class—

153—METAL BENDING, subclass 108, for bending apparatus which works metal by bending it back and forth and proceeds with such working continuously along the metal to treat each successive portion similarly and in which the bending action is effected by a roll pass having the rolls revolving about angularly related axes.

in subclass 32, add:

Search Class—

153—METAL BENDING, subclass 88, for apparatus in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly and having means to coil the treated product.

in subclass 38, add:

Search Class—

153—METAL BENDING, subclass 106, for roller levellers with backed up rolls.

92, Paper Making and Fiber Liberation

in subclass 70, add:

Search Class—

153—METAL BENDING, subclass 85 +, for apparatus and methods for working metal by bending it back and forth and proceeding with such working continuously along the metal to treat each portion similarly.

113, Sheet-Metal Ware, Making

in subclass 7, add:

Search Class—

153—METAL BENDING, subclass 85 +, for apparatus and methods in which sheet-metal such as a can blank or can body is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

in subclass 116, add:

Search Class—

153—METAL BENDING, subclass 86, for processes in which sheet-metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

117, Coating: Processes and Miscellaneous Products

in the class definition, under "Notes", in "I. *Coating Processes Per Se Classified Elsewhere*", under "Search Classes", in the reference to Class 29, Metal Working, after "subclass 25.11 and indented subclasses . . . not provided for in any specific class:", insert the following:

subclass 25.3 + provides for miscellaneous processes and apparatus for the manufacture of barrier layer devices by a coating process and another process, such as an electric formation or aging process, not elsewhere classified;

establish the following subclass definition:

121.7. Subject matter under subclass 121 in which the coating forms the barrier layer of a barrier layer device.

(1) Note.—A barrier layer device is defined for the purpose of classification as an electrical component consisting of two conductors placed either in contact with each other or separated by an interface layer, which component has a non-linear resistance characteristic. The non-linear resistance characteristic may be such that the device will pass current in one direction when the voltage is applied in one direction but will not pass any appreciable current when the voltage is applied in the other direction (e. g., contact rectifiers) or will pass a proportionately different amount of current at different values of applied voltage. In the latter case, where the device passes a disproportionate amount of current, to be considered a barrier layer device the non-linearity must arise as a result of the electrical action of the interface between the two conductors rather than from the characteristics of the con-

ductors. For example, an electrical component having a resistance material which varies its resistance due to inherent changes in temperature with change in applied voltage is not a barrier layer device. Among the types of devices which may have a barrier layer are rectifiers, condensers, transistors and lightning arresters.

Search Class—
29—METAL WORKING, subclass 25.3 + and the other classes mentioned in the search notes of that subclass, for the manufacture of barrier layer devices.
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 315 +, for electrolytic devices such as electrolytic condensers and rectifiers, 264 for static electricity dischargers, 30 + for lightning arresters, and 366 + for solid rectifying devices. Many of these devices contain barrier layers.
252—COMPOSITIONS, subclass 62.2, for the composition of electrolytes for electrical circuit components, and subclass 62.3 for barrier layer compositions.

123, Internal-Combustion Engines

in subclass 41.06 in the definition, cancel "temperature responsive . . . shutter," and substitute:

condition sending means and the shutter, valve, damper, adjustable cowl, etc.

129, Paper Files and Binders

in subclass 1, add:

Search Class—
140—WIREWORKING, subclass 92.3 +, for processes and apparatus including the interlacing of a rotated helix with the marginal perforations of a plurality of sheets.

131, Tobacco

in subclass 172, cancel the definition and notes, and substitute:

172. Apparatus for and processes of making, and processes of using devices coming within the definitions of subclass 171, not elsewhere classified.

(0.5) Note.—This subclass includes devices for and methods of "breaking in" pipes.

(1) Note.—For processes and apparatus for molding pipes of plastic composition, see Class 18, PLASTICS, and Class 25, PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclass 6.

Search Class—
18—PLASTICS, and see (1) Note supra.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, and see (1) Note, supra.
41—ORNAMENTATION, appropriate subclasses, for processes of ornamenting pipes.
93—PAPER MANUFACTURES, especially subclasses 77–83, for processes of making paper cigar and cigarette holders.

139, Textiles, Weaving

in subclass 214, under "Search Class", insert:

153—METAL BENDING, subclass 103 +, for apparatus which works metal by bending it back and forth and proceeding with such work continuously along the metal to treat each successive portion similarly in which the material is passed between staggered abutments in opposed rows and see the notes thereto for other classes involving passing material along a zigzag path.

140, Wireworking

in the class definition, under "Search Class", insert:

153—METAL BENDING, subclass 85 +, for bending wire back and forth and proceeding with such working progressively along the wire to treat each successive portion similarly.

abolish the definition and notes of subclass 8.

establish the following subclass definitions:

92.3. Methods and apparatus in which a helix rotated about its axis adjacent a row of loops or holes threads itself through the loops or holes successively.

(1) Note.—Included here, and in the indented subclasses, are processes and apparatus involving the mere juxtapositioning of elements plus the necessary manipulation required to interlace a helix with said elements to form a unitary web, fabric, or assembly. The absence of wire deformation, cutting and/or tensioning will not exclude processes and apparatus otherwise within the scope of this subclass.

(2) Note.—Included here, for example, is the application of helices to the edges of perforated sheets or leaves so as to make a "spiral" bound book (see particularly subclass 92.93), the joining of coil elements by helices or the mutual intercoiling of helices to form spring fabrics, and the linking of belt ends by helices.

Search Class—
29—METAL WORKING, subclass 240, for means to assemble and disassemble by relative rotation of parts.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 20, for apparatus wherein a continuous rod or wire is coiled into a helix, cut into sections to form links, and said links assembled and united into a completed chain.
129—PAPER FILES AND BINDERS, subclass 1, for perforated sheets temporarily held together by means of a helix intercoiled through said perforations.
245—WIRE FABRICS AND STRUCTURE, subclass 6, for fabrics comprising a plurality of intercoiled helices.
281—BOOKS, STRIPS AND LEAVES, subclass 25, for a plurality of sheets secured together by means of a helix interlaced through aligned perforations along a margin of said sheets.

92.4. Processes under subclass 92.3.

92.5. Apparatus under subclass 92.3 including means for repeated interlacing of helices through a particular aligned loop row without intervening shifts in relative position between fabric and helix projecting means, such repeated interlacing occurring periodically in response to a predetermined sequence.

(1) Note.—The plural helices or "cords" are usually to delineate the borders of desired lengths of fabric and also serve as reinforcements for said borders.

Search Class—
5—BEDS, subclass 260, for "cords" in the margin or rim of a bed bottom fabric.

92.6. Apparatus under subclass 92.3 characterized by two or more helix projecting means positioned and operatively linked as to effect a mutual intercoiling of the helices concurrently with helix projection.

(1) Note.—Included here are the devices which simultaneously form and intercoil all the helices comprising the full width of a fabric, the axial length of the helices ordinarily fixing the extent of the fabric length.

(2) Note.—Interlacing of plural helices without mutually intercoiling said helices is not classified in this subclass and is to be found throughout subclasses indented under 92.3 +.

92.7. Devices under subclass 92.3 with features other than and in addition to means for providing a helix and applying it by axial rotation to successive loops, means for positioning said loops, and interrelating control means.

(1) Note.—In this subclass, for example, are combinations with means to shape the selvage edges of the assembled fabric, combinations with means to deform the helix after intercoiling, and combinations with automatic control means.

(2) Note.—Helix providing includes means for forming a helix with or without subsequent cutoff or means for supplying prepared or preformed helices with or without subsequent cutting means. Coiling, per se, with or without subsequent cutoff is classified in Class 153, METAL BENDING, subclass 64 +; the additional step of guiding and/or positioning or interlacing placing the combination within the scope of subclass 92.3 +. See Class 164, CUTTING AND PUNCHING SHEETS AND BARS, for cutting, per se.

(3) Note.—Helix applying includes helix guide means as well as means to shift the helix along, and rotate it about the cylindrical axis of said helix. Both shift and rotation may be an inherent function of a helix forming means. The axial shift may be effected solely by engagement of a positively rotated helix with aligned loops.

(4) Note.—Positioning includes clamping, guiding, and/or supporting means for successive loops and/or assembled fabric of which said loops form a working edge and means for reeling assembled fabric and/or feeding said fabric from an assembly or working zone. In addition to the shifting means set forth in (2) Note, above, positioning includes means for relatively shifting a loop row and/or assembled fabric with respect to helix applying means.

(5) Note.—Interrelating control includes cyclic interlock means; that is, means for periodic or sequential operations in which the same series of operations on the material are repeated unchanged, in the absence of adjustments of the machine under a particular stimulus such as the presence or absence of material or the application of power to the drive shaft. Interrelating control does not include automatic control, as to which see (6) Note, below.

(6) Note.—Automatic control includes means to sense a condition or change of condition which means effects a control operation on the apparatus. In this subclass the condition or change of condition is usually a misalignment, tangling, and/or breaking of a projected helix.

Search this class, subclass—
92.5—for automatic control combined with pattern or cording means.

Search Class—
153—METAL BENDING, see (2) Note.
164—CUTTING AND PUNCHING SHEETS AND BARS, see (2) Note.
192—CLUTCHES AND POWER-STOP CONTROL, subclass 116.5 +, for control mechanism per se, usually automatic in operation, for stopping a machine when some part of the machine fails to function, or the material fails or is disarranged.
271—SHEET OR WEB FEEDING OR DELIVERING, where the mechanism for operation on the sheet or web is not particularly set forth and the function is merely that of positioning the sheet or web.

92.8. Apparatus under subclass 92.3 including means for shifting rows of loops or openings successively into position for application of a helix.

(1) Note.—This subclass includes means which in addition effect a relative shift along the cylindrical axis of a projected helix, in increments of half the helix pitch, between the projector and a row of loops, said shift occurring between successive interlacing operations.

Search Class—
271—SHEET OR WEB FEEDING OR DELIVERING, where the mechanism for operation on the sheet or web is not particularly set forth and the function is merely that of positioning the sheet or web.

92.9. Apparatus under subclass 92.3 characterized by the shifting of helix rotating means along a path substantially parallel to the cylindrical axis of a rotated helix during the intercoiling of the helix.

(1) Note.—Included in this subclass are devices wherein shifting is effected solely by screwing action of a helix with respect to a row of loops or with respect to a fixed abutment in line with and in front of said row, the screwing action being imparted by positive rotation of a helix gripping chuck.

Search this class, subclass—
92.8—for axially shifting of helix rotation means combined with loop row shifting means.

92.93. Apparatus under subclass 92.3 including a plurality of axially parallel, radially spaced, grooved rollers, through which a helix is simultaneously guided, rotated, and advanced.

92.94. Apparatus under subclass 92.3 including channel or grooved means through which a helix is projected, with or without helix deflecting elements, which fix the path along which the helix travels.

(1) Note.—Included are helix guide means which serve to juxtaposition portions of a loop row with respect to another loop row and the path of a projected helix.

(2) Note.—Included are channel or grooved means positioned about both helix and loop row.

in subclass 107, add:

Search Class—
153—METAL BENDING, subclass 85 +, for straightening and levelling wire fabrics by bending the fabric back and forth progressively along the fabric.

in subclass 125, under "Search Class", insert:

153—METAL BENDING, subclass 85 +, for apparatus and methods in which wire is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

in subclass 137, under "Search Class", insert:

153—METAL BENDING, subclass 103 +, for devices which pass wire or other metal stock between staggered abutments in opposed rows for the purpose of bending it back and forth and proceeding with such working continuously along the metal to treat each portion similarly.

in subclass 139, add:

Search Class—
153—METAL BENDING, subclass 89, for devices which straighten and cut wire in which the straightening is by bending the metal back and forth and proceeding with such work continuously along the metal to treat each successive portion similarly.

in subclass 147, under "Search Class", change "subclasses" to *subclass* and cancel "and 37, mostly comprising . . . revolving filer".

abolish the definition of subclass 148.

148, Metal Treatment

in the class definition, under "Search Class", insert:

153—METAL BENDING, subclass 85 +, for apparatus and methods for treating metal by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

153, Metal Bending

in subclass 32, under "(2) Search Class", in the reference to Class 140, Wireworking, cancel "and 148".

in subclass 37, abolish the definition.

in subclass 54, cancel "Search this class, subclasses 28 and 77", and substitute:

Search this class, subclass—
28—for bending machines which make angles by the action of rolls.
77—for bending machines which make corrugations by passing the work between feeding rolls.
85 +—for apparatus and methods in which a metal is worked back by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

in subclass 60, under "Search Class", in the reference to Class 140, Wireworking, cancel "and 148".

in subclass 64, under "Search Class", in the reference to Class 140, add:

See subclass 92.3 +, for processes and apparatus including helix making in combination with guiding and/or positioning so as to interlace said helix with other helices or with successive loops or apertures.

establish the following subclass definitions:

85. Apparatus and methods under the class definition in which metal is worked by bending it back and forth and proceeding with such working continuously along the metal to treat each successive portion similarly.

(1) Note.—These devices are usually employed to level or flatten sheet metal, to straighten bars, rails, tubes or wires, or to treat the metal to render it easily workable by bending or die shaping or to equalize internal stresses in the metal.

(2) Note.—These devices usually (but are not limited to) treat a length of metal by giving a portion of it a local wave-like formation and causing the wave to travel along the length of metal. For uniformity of treatment work of round cross-section may be subjected to successive waves in different directions (see subclass 94) or the direction of the wave may be continuously varied about the longitudinal axis of the work as by rotating the deflecting abutment about such axis (see subclass 96 +) or by rotating the work during treatment (see subclass 108).

(3) Note.—Apparatus and methods including the function of this subclass in combination with other material treating or working operations than cutting or bending are classified according to such other operation in other classes where such other class does not exclude metal bending or in the generic metal treating or working classes, Class 148, METAL TREATMENT, or Class 29, METAL WORKING. See Search Class below for the location of particular combinations.

Search this class, subclass—
54—for apparatus and methods in which each portion of the metal is bent in only one direction and the bending proceeds continuously along the metal to treat successive portions similarly.
94—see (2) Note above.
96 +—see (2) Note above.
108—see (2) Note above.

Search Class—
29—METAL WORKING, see (3) Note above, and subclass 17 +, for apparatus and methods for the manufacture of thin sheet metal and foil including pack manipulation which latter includes the bending of a pack of sheets for separating them from each other. See Class 29, METAL WORKING, subclass 17, (2) Note, for the line. Also subclass 33 +, for combined metal working machines adapted to perform a plurality of operations upon metal, which operations are not comprised in any one of the various specific metal working classes, particularly subclass 34, for

combined machines adapted to forge or weld metal and also to perform one or more of the operations of bending, cutting or punching, and subclass 81, for scale removers including means for flexing the material back and forth and in addition other treating devices employed to aid scale removal such as a hammer, brush or scraper.

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 34+, for the twisting of wire rope combined with other operations, and subclass 166, for wire rope making. Progressive back and forth bending of wire rope is considered to involve twisting.

69—LEATHER MANUFACTURES, subclass 33+, for apparatus employed for treating hides, skins or leather as by folding, flexing, crumpling, suppling or similar action.

92—PAPER MAKING AND FIBER LIBERATION, subclass 70, for devices for preparing paper so that it may be more readily bent without breaking, i. e., flexibility imparting.

113—SHEET-METAL WARE, MAKING, appropriate subclasses, for machines having the function of this class and an additional sheet-metal working function other than mere bending, particularly subclass 7+, for can making machines in which sheet-metal blanks are subjected to progressive back and forth bending, then bent into a tubular shape and seamed, subclass 43, for machines for die shaping sheet-metal combined with means to perform additional functions, and subclass 116+, for methods of making articles from sheet-metal which methods may include the flexing of the metal combined with shaping the sheet-metal as by die shaping.

148—METAL TREATMENT, as the generic class of metal treating. For the line as to the combination of heat treating and working, see Class 148, METAL TREATMENT, subclass 11.5. See (3) Note above.

205—METAL DRAWING, for devices and processes for altering the form or area of cross-section of metal rods, tubes, wire, etc., usually by drawing the same through a bottomless die of the desired outline, particularly subclass 16+, for wire drawing as by passing the wire around stretching pulleys or tapering drums.

86. Methods under subclass 85.

87. Apparatus under subclass 85 having automatic control means.

(1) Note.—Automatic control involves means to sense a condition or change of condition and cause a control operation.

(2) Note.—The condition sensed may be a condition of the material, of the treating means, or of some part of the apparatus.

(3) Note.—Mere periodic, cyclic or sequential operation, i. e., that in which the same series of operations are repeated unchanged in the absence of adjustment of the machine, under a particular stimulus, such as the presence of material or the application of power to the drive shaft, etc., is not considered automatic control. Machines so operating are classified below in accordance with the nature of the machine.

(4) Note.—This subclass includes, for example, devices in which there is means for detecting the wrapping of the metal around a rolling abutment and which in response thereto stop the machine, those which include a means to sense the presence of a double blank being fed to the machine and to eliminate a double blank from the feed line, and those in which the processing machine of this subclass feeds the material from a coil to a press and the speed of the processing machine of this class is controlled by the loop of material between such device and the press.

Search Class—

192—CLUTCHES AND POWER-STOP CONTROL, subclass 125+, for material controlled stop mechanisms.

88. Apparatus under subclass 85 with means to sustain rotatably the weight of a coil of the material worked as the material of the coil is progressively bent.

(1) Note.—The coil may be either a reel of material or a material coiled upon itself to form a roll.

(2) Note.—The coil may be a supply of material to be processed or may be of material which has been processed. For example, a device for coiling the material coming from a bender may be employed to propel the material through the bender.

Search Class—

51—ABRADING, subclass 75, for abrading machines employing the external peripheral face of a tool having rotary motion only and in which the work is drawn rectilinearly in one direction only across the tool by means of a reel or winding drum.

80—METAL ROLLING, subclass 32, for rolling mills provided with mechanism for coiling the product.

205—METAL DRAWING, subclass 16+, for devices for drawing rods through reducing dies to manufacture wire, particularly subclass 20, for rotating drums provided with gripping means for seizing the wire and pulling the wire through the die.

242—WINDING AND REELING, appropriate subclasses, particularly subclass 54+, for devices for reeling material for storage purposes.

271—SHEET OR WEB FEEDING OR DELIVERING, subclass 2.1+, for means for feeding material in continuous strip form or positioning webs with respect to some mechanism for operating on them.

89. Apparatus under subclass 85 in combination with a means to sever the metal worked.

(1) Note.—See the comprehensive notes to the main definition of Class 30, CUTLERY, for the location of machines and implements involving cutting.

Search Class—

30—CUTLERY, see (1) Note above.

80—METAL ROLLING, subclass 3, for apparatus which cuts and also rolls metal.

140—WIREWORKING, subclass 139+, for devices that both straighten and cut wire which have a straightener other than one which progressively bends the metal back and forth.

90. Apparatus under subclass 85 in combination with a straightening or bending device of some other type.

Search this class, subclass—

93+—for plural units each of which subjects the metal to progressive back and forth bending.

91. Apparatus under subclass 90 in which the other bender is a straightener which includes spaced roll passes in each of which the rolls rotate about axes which are at an angle to one another and the back and forth bending is by deflection from a straight line intermediate such roll passes.

Search this class, subclass—

100—for other apparatus for progressive back and forth bending employing crossed rolls and see the notes thereto for other crossed roll apparatus elsewhere classified.

109—for progressive back and forth bending devices in which an intermediate abutment is projectable across the path of work travelling across other abutments.

92. Apparatus under subclass 85 including structure other than and in addition to successive material deflecting abutments, means to propel material past such abutments, and means for guiding the propelled material as it passes the abutments and not provided for in the preceding subclasses indented under subclass 85.

(1) Note.—Means to propel the material includes feeding rolls which are separate from the bending abutments, that is, do not act as bending abutments, abutments which are actuated, as for example, driven rolling abutments to cause the material to move relative to the successive abutments which deflect the material.

(2) Note.—This subclass includes, for example, a progressive back and forth bending device in combination with means to clean the deflecting abutments, indicator for the setting of a bank of abutments, means to cool the abutments during working or an article feeder.

(3) Note.—All preceding subclasses indented under subclass 85 must be searched for particular combinations within the definition of this subclass as shown by the preceding subclass titles.

(4) Note.—See (3) Note to the definition of subclass 85 for the location of devices as defined in subclass 85 combined with devices classified in other classes.

Search this class, subclass—

85—see (4) Note above.

93. Apparatus under subclass 85 in which there is more than one unit which subjects the material to progressive back and forth bending and such units are spaced from one another so that there is a substantial interval between them in which there is no bending of the work.

(1) Note.—The several units may be either alternatively or successively employed. Generally the several units act on the work successively at different angles so as to treat the work uniformly.

Search this class, subclass—

90+—for benders which work metal by bending it back and forth and proceed with such working continuously along the metal to treat each successive portion similarly in combination with benders or straighteners of other types.

94. Apparatus under subclass 93 in which the several units are in a row so that the material passes through them successively and are so arranged relative to one another that the flexing occurs first in one plane and then in another plane angularly related to the first plane.

95. Apparatus under subclass 85 in which the progressive back and forth bending device is mounted upon a carriage which is moved back and forth longitudinally of the work.

(1) Note.—This subclass includes hand devices which are manually propelled back and forth along the material.

96. Apparatus under subclass 85 in which the progressive back and forth bending is by passing the metal axially of aligned openings spaced along a common straight axis and around at least one work deflecting abutment surface which is offset from and rotated about such axis in the space between the openings.

(1) Note.—The openings through which the material passes may rotate about the axis with the deflecting abutment.

Search this class, subclass—

109—for devices in which the successive abutments over which the work travels deflect the work in different directions and one of the deflecting abutments intermediate others is adjustable transversely of the direction that the work travels across the other abutments.

97. Apparatus under subclass 96 in which the intermediate deflecting abutment is movable across the axis of rotation during rotation about the axis.

(1) Note.—This subclass includes devices in which the rotation causes movement of the abutment transverse to the axis because of centrifugal force.

(2) Note.—The intermediate deflecting abutment of this subclass often may be withdrawn far enough radially so that material may be threaded straight through the spaced guide openings and over the abutment.

Search this class, subclass—

101—for devices in which there are guides between abutments to aid the threading.

98. Apparatus under subclass 96 in which the intermediate abutment offset from the axis of rotation is within a ringlike member the opening in which is eccentric to the axis of rotation and which is moved bodily around the axis of rotation while also rotating upon its own central axis.

(1) Note.—The opening in the ringlike member is often contoured to conform to the shape of noncircular material so that the material while being swung about the axis of rotation and thus progressively bent back and forth will not be rotated upon its own axis or twisted.

99. Apparatus under subclass 96 in which the distance between the abutments along the axis of rotation may be changed.

(1) Note.—The axial adjustment may be either of the end abutments or guide openings to or from the intermediate abutment or may be of the intermediate abutment to or from either of the end abutments or guide openings.

100. Apparatus under subclass 96 in which at least one of the deflecting abutments has rolling contact with the metal.

(1) Note.—The rolling contact may be for anti-friction purposes to prevent the heating of the abutment by the friction of the passing material or may be rolls set at an angle to the axis of rotation so that the rotation about such axis causes the work to feed through the guide openings and over the intermediate abutment.

101. Apparatus under subclass 96 in which there are surfaces arranged angularly relative to the axis of rotation in such position that the end of work progressing through one of the spaced guide openings is deflected around the offset abutment and then through the other guide opening.

(1) Note.—The rolling abutments provided for in this class, subclass 100, may have a roll rotating around an axis not parallel to the axis of rotation. Such devices have inherently a curved surface which aids the threading of material through the machine.

Search this class, subclass—

97—for devices in which an abutment is rotated intermediate coaxial guide openings and the abutment is projectable across the path of material during rotation which expedient is often employed so that the intermediate abutment is to one side during the threading of the work through the openings.

100—see (1) Note above.

102. Apparatus under subclass 85 in which the work travels across successive abutments which deflect the work in opposite directions and several of the deflecting abutments are mounted upon the same carrier and such carrier is rotatable relative to the path of travel of the material.

103. Apparatus under subclass 85 in which successive abutments deflect the work in different directions and the abutments are so arranged that the abutments contacting one side of the work are intermediate and offset from those contacting the other side of the work and there are several abutments in a straight row on each side of the work.

(1) Note.—Devices of like structure are employed in various arts for the purpose of tensioning or braking filamentary material for various purposes. The search classes below include a number of such arts. See the notes to the search classes indicated as to other locations of similar art.

Search this class, subclass—

109—for devices in which successive abutments over which the work travels deflect the work in different directions and one of the deflecting abutments between others is adjustable transversely of the direction that the work travels across the other abutments.

Search Class—

139—TEXTILES, WEAVING, subclass 214+, for weaving shuttles with thread delivery control means which creates tension by leading the thread over a zigzag path with several sharp bends.

140—WIREWORKING, subclass 137+, for wire feeding devices in which tension is created by forcing the wire over a devious or crooked path, the change in direction producing sufficient friction with the deflecting elements to retard the movement of the wire.

188—BRAKES, subclass 65.4+, for strand brakes in which the strand passes through the brake structure in a devious or tortuous path.

242—WINDING AND REELING, subclass 153+, for miscellaneous tension devices for cordage material in which the material is forced to move over a deflected path, the extent of which produces the tension.

104. Apparatus under subclass 103 in which the successive deflecting abutments have rolling contact with the work.

105. Apparatus under subclass 104 in which at least one of the rows includes a roll the axis of rotation which is at an angle to the axis of rotation of a roll in the other row.

Search this class, subclass—

106—for other cross roll devices for progressive back and forth bending and see the notes thereto for other cross roll devices elsewhere classified.

106. Apparatus under subclass 104 in which the deflecting rolls are supported on the side of the roll opposite that on which the roll contacts the work at a location axially of the roll where the support is in opposition to the material passing the roll.

(1) Note.—These devices are usually employed to minimize the deflection or bowing of the roll under the stress of working or deflecting the metal worked. This enables the use of smaller rolls.

Search Class—

80—METAL ROLLING, subclass 38, for rolling mills in which the rolls between which the work passes are supported by other rolls whose axes are parallel to those of the working rolls.

107. Apparatus under subclass 104 in which the row of rolls on at least one side of the work is adjustable as a whole.

108. Apparatus under subclass 85 in which rolls are located on opposite sides of the work with the axes of rotation of the rolls at an angle to one another.

Search this class, subclass—

91—for spaced crossed roll straightening passes between which there is an intermediate deflector.

105—for staggered rolls in opposed rows including rolls the axes of which are at an angle to one another.

Search Class—

80—METAL ROLLING, Subclass 11+, particularly subclass 13, for rolling mills employing crossed roll passes to reduce the wall thickness or cross-sectional size of a tube, usually by use in conjunction with a mandrel support internally of the tube.

109. Apparatus under subclass 85 in which successive abutments across which the work travels deflect the work in different directions and one abutment between others is adjustable to and from the path the work follows across the adjoining abutments.

Search this class, subclass—

91—for progressive back and forth bending by a deflector between cross roll passes.

**96 + **—for devices in which an intermediate abutment is rotated between spaced coaxial guide openings and such intermediate abutment is adjustable transversely of the direction of travel of the material worked through the guide openings. Note particularly subclass 97 in which such projection may be performed during the rotation.

**103 + **—for staggered abutments in opposed rows which abutments are individually adjustable transversely of the direction of travel of the material worked. Note particularly subclass 107, in which a row of rolling abutments are adjustable as a group.

158, Liquid and Gaseous Fuel Burners

in subclass 99, cancel "subclass 1" and substitute *the class definition*.

170, Motors, Fluid Current

in subclass 135.4, under "Search this class, subclass", add in numerical order:

172 and 175—for perforated impeller blades.

in subclass 172, add:

Search this class, subclass—

135.4—for impellers having fluid intake or discharge means carried by and rotatable with the impeller. See (1) Note.

175—for perforated blades of the non-projected type.

and cancel "(3) Search Class", and substitute *Search Class*.

183, Gas Separation

in the class definition, under "Search Class", in the reference to Class 131, before the period, add:

and subclass 172 for processes for using smoking devices including processes of separation.

188, Brakes

in the class definition, change the "Note" to *(2) Note*, and insert:

(1) Note.—Class 192 is the generic locus for clutches and brakes, and see paragraph III of the class definition of that class.

and under "Search Class", in the reference to Class 192, change the period to a semicolon and add: *and see (1) Note, supra*.

in subclass 65.4, add:

Search Class—

153—METAL BENDING, subclass 103 +, for metal bending apparatus which treats metal by progressively bending it back and forth by passing it between staggered abutments in opposed rows.

in subclass 158, under "Search Class", insert:

172—ELECTRICITY, MOTIVE POWER, subclass 285, for electrodynamic torque brakes.

192—CLUTCHES AND POWER-STOP CONTROL, subclass 21.5, for field responsive frictional media type brakes.

in subclass 180, under "Search Class", insert:

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 291 + for roll devices having means for retarding or stopping the roll, or for holding the roll to prevent undesired rotation.

192, Clutches and Power-Stop Control

in the class definition, add:

III. This class is also the generic locus for clutches and brakes, and subclasses 21.5 and 107 + include both clutches and brakes of the subject matter therein classified.

establish the following subclass definition:

21.5. Devices under the class definition wherein torque is transmitted or absorbed between two relatively movable members having a medium therebetween and wherein the frictional characteristics of the medium are (1) augmented by, or (2) altered in response to a change in, a magnetic or an electrostatic field set up between the two members.

Search this class, subclass—

84—for other types of electrically actuated clutches.

Search Class—

172—ELECTRICITY, MOTIVE POWER, subclass 284 +, for electrodynamic torque devices.

in subclass 125, under "Search Class", insert:

153—METAL BENDING, subclass 87, for bending machines which treat metal by progressively bending it back and forth along its length and which include means to sense an undesired condition and exert a control operation to stop the machine in response thereto.

204, Electricity, Electrical and Wave Energy

in subclass 58, under "Search Class", cancel the reference to Class 175, and substitute:

29—METAL WORKING, subclass 25.31, for processes and apparatus for the production of electrolytic condensers or rectifiers, which may include steps or equipment for applying oxide films to aluminum electrodes.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 315 +, for electrolytic condensers or rectifiers.

252—COMPOSITIONS, subclass 62.2, for electrolytes for electrolytic condensers or rectifiers.

205, Metal Drawing

in subclass 16, insert:

(1) Note.—This subclass includes the drawing of metal wire by passing the wire around stretching pulleys or tapering drums. For apparatus and methods in which metal is worked by bending it back and forth proceeding with such working continuously along the metal to treat each successive portion similarly, see Class 153, METAL BENDING, subclass 85 +.

and under "Search Class" add:

153—METAL BENDING, subclass 85 +, see (1) Note above.

222, Dispensing

in subclass 486, under "Search this class, subclass", insert in numerical order:

142.6 and 144.5—for plural compartment dispensers in which closure means associated with the outlets of the various compartments permit selective opening and closing of such outlets.

142.7—for plural compartment dispensers having plural, relatively movable outlet valve means.

in subclass 548, under "Search this class, subclass", insert in numerical order:

142.9—for rotary flow controllers associated with plural compartment dispensers of the hand manipulable shaker type.

in subclass 559, under "Search this class, subclass", insert in numerical order:

142.8—for reciprocating closure elements associated with plural compartment dispensers of the hand manipulable shaker type.

242, Winding and Reeling

in subclass 54, under "(2) Search Class", insert:

153—METAL BENDING, subclass 88, for devices which reel or unreel metal and have in addition means for bending it back and forth progressively along its length.

245, Wire Fabrics and Structure

in subclass 6, under "Search Class", add:

140—WIREWORKING, subclass 92.3 +, for processes and apparatus including intercoiling of helices with each other or with successive loops or apertures.

252, Compositions

establish the following subclass definitions:

62.2. Compositions under the class definition specialized and designed for use as an electrolyte for an electrolytic cell of the type which is used merely as an electrical circuit component.

Search Class—

136—BATTERIES, subclass 153 +, for battery electrolytes.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 315 +, for condensers and rectifiers with an electrolyte.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, appropriate subclasses, for electrolytes of electrolytic devices which are utilized for electrochemical purposes. Such electrolytes in Class 204 are classified in the appropriate process subclass.

62.3. Compositions under the class definition specialized and designed for use as one member of two members whose interface exhibits barrier layer properties.

(1) Note.—A barrier layer device is defined for the purpose of classification as an electrical component consisting of two conductors placed either in contact with each other or separated by an interface layer, which component has a non-linear resistance characteristic. The non-linear resistance characteristic may be such that the device will pass current in one direction when the voltage is applied in one direction but will not pass any appreciable current when the voltage is applied in the other direction (e. g., rectifiers, electrolytic condensers), or will pass a proportionately different amount of current at different values of applied voltage. In the latter case, where the device passes a disproportionate amount of current, to be considered a barrier layer device the non-linearity must arise as a result of the electrical action of the interface between the two conductors rather than from the characteristics of the conductors. For example, an electrical component having a resistance material which varies its resistance due to inherent changes in temperature with change in applied voltage is not a barrier layer device. Among the types of devices which may have a barrier layer are rectifiers, condensers, transistors and lightning arresters.

Search Class—

29—METAL WORKING, subclass 191.2, for sintered metal compositions containing two different metals or alloys which are sintered together, the composition may also contain a non-metallic ingredient, and subclass 192 for sintered metal compositions containing a single metal or alloy.

75—METALLURGY, subclass .5, for single metals including those containing a non-metallic constituent, and subclass 122 + for the composition of metallic alloys which are adapted for use with barrier layer devices.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 315 +, for electrolytic devices such as electrolytic condensers and rectifiers, 264 for static electricity dischargers, 30 + for lightning arresters, and 366 for solid rectifying devices. Many of these devices contain barrier layers.

260, Chemistry Carbon Compounds

in subclass 462, add:

Search Class—

252—COMPOSITIONS, subclass 62.2, for electrolytes of electrolytic condensers and rectifiers, many of which contain glycoborates.

271, Sheet or Web Feeding or Delivering

in the class definition, under "(2) Search Classes", insert:

140—WIREWORKING, subclass 92.3 +, for web or fabric feeding combined with the intercoiling of helices with each other or with successive loops or apertures.

281, Books, Strips, and Leaves

in subclass 25, under "(2) Search Classes", insert:

140—WIREWORKING, subclass 92.3 +, for processes and apparatus for intercoiling a rotated helix with the aligned edge perforation of sheets or leaves to make a "spiral" bound book.

318, Electricity, Motive Power Systems

in subclass 552, under "Search Class", in the reference to Class 185, change "Motors" to *Motors, Spring, Weight and Animal Powered*.

A. W. CROCKER,
Executive Primary Examiner.

Classification Order No. 99

The following transfer from Division 30 to Division 32 is hereby ordered to take effect Monday, April 2, 1951:

Class 257, Heat Exchange
subclasses 2 to 5, inclusive.

A. W. CROCKER,
Executive Primary Examiner.

Mar. 28, 1951.

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extensions of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (630 O. G. 1066).

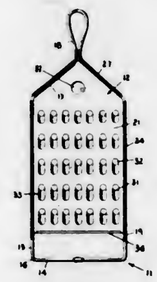
Any person who believes that he would be injured by the extension of any of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentees.

Charles A. Rowley, 1,845,522, February 16, 1932
Charles A. Rowley, 1,915,869, June 27, 1933
Charles A. Rowley, 2,023,451, December 10, 1935
Charles A. Rowley, D-109,647, May 10, 1938.

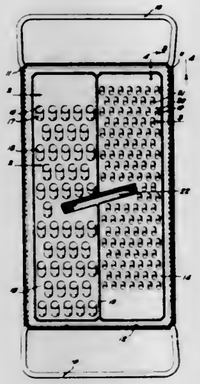
JOHN A. MARZALL,
Commissioner.

1,845,522
VEGETABLE SHREDDER
Charles A. Rowley, Los Angeles, Calif. Granted Feb. 16, 1932
3 Claims. (Cl. 146—180)



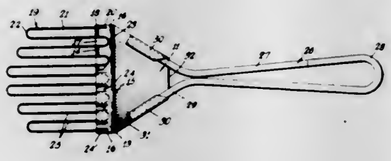
1. A shredder comprising a wire frame having substantially parallel sides, the upper ends of said sides being brought inwardly toward each other forming a handle, a cutter plate having its side edges bent about half way around the sides enabling the plate to be applied to and removed from the frame by sliding over the inwardly brought upper ends, and means limiting the downward sliding movement of the plate relatively to the sides of the frame.

1,915,869
VEGETABLE SHREDDER
Charles A. Rowley, Los Angeles, Calif. Granted June 27, 1933
3 Claims. (Cl. 146—180)



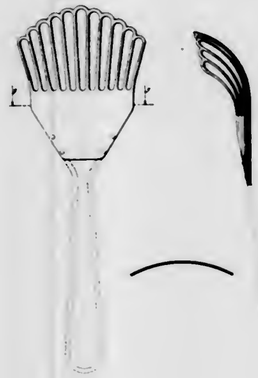
1. A vegetable shredder comprising a shredder plate having relatively large perforations adjacent one side edge of the plate and relatively small perforations adjacent the other side edge of the plate, there being relatively large portions bent forwardly out of the plane of the plate adjacent the large perforations providing shredding edges, and similar but smaller portions bent forwardly out of the plane of the plate adjacent the smaller perforations providing small shredding edges, the larger portions being arranged adjacent the lower side edges of their respective perforations and the smaller portions being arranged adjacent the upper sides of their respective perforations whereby a vegetable may be shredded on the large shredding edges without being cut by the small shredding edges and upon turning the plate upside down a vegetable may be shredded on the small shredding edges without being shredded by the large shredding edges in the event that it partially passes thereover.

2,023,451
KITCHEN UTENSIL
Charles A. Rowley, Los Angeles, Calif. Granted Dec. 10, 1935
2 Claims. (Cl. 250—144)



1. A utensil having a supporting plate with a handle, said plate being curved concave on its upper surface transverse to the axis of the handle, a gripping plate formed integral with the supporting plate and attached to thereto by a reverse bend, said bend forming a line transverse to the axis of the handle, and the gripping plate thus having the same curvature as the supporting plate and fitting closely contiguous thereto, there being a plurality of slots formed at the reverse bend and single perforations adjacent the marginal edges of the said plates, a continuous wire having reverse outer and inner bends with the sections between the bends parallel, the inner bends being inserted each in a slot and the two ends being inserted in the two end perforations of the reverse bend, the gripping plate being crimped at the portion between the inner reverse bends and at the portion adjacent the perforations to firmly attach the wire at the inner bends and the two ends to the supporting and gripping plate, the parallel sections of the wires extending from each outer bend forming tines, said tines being of different lengths and curved with a concave curve considered in the axial direction of the handle and on their upper side.

Des. Pat. 100,647
EGG BEATER OR SIMILAR ARTICLE
Charles A. Rowley, Los Angeles, Calif. Granted May 10, 1938
1 Claim. (Cl. 44—29)



The ornamental design for an egg beater or similar article, as shown and described.

Extension of Patents Granted

Patent No. 1,739,513. Granted Dec. 17, 1929. Ralph W. Lohman. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 298 days, from the expiration of the original term thereof.

Patent No. 1,930,414. Granted Oct. 10, 1933. Victor Buhr. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 152 days, from the expiration of the original term thereof.

Patent No. 2,065,406. Granted Dec. 22, 1936. Sebet Silverman. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 3 years and 320 days, from the expiration of the original term thereof.

Patent No. 2,071,903. Granted Feb. 23, 1937. John J. Shively. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 38 days, from the expiration of the original term thereof.

Patent No. 2,136,570. Granted Nov. 15, 1938. Brooks Walker. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 214 days, from the expiration of the original term thereof.

Patent No. 2,200,469. Granted May 14, 1940. George Chandler Cox. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 191 days, from the expiration of the original term thereof.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,532,848. Iron Hanger. Patented Dec. 5, 1950. Hanger for holding a hot flatiron above an ironing board has a U-shaped self-clamping foot to be attached to the edge of the board. An upwardly extending portion has a hook at upper end to support the iron by its handle. The hanger may be inexpensively stamped from strap metal or molded from plastic strap material. (Owner) Samuel Kravitz, 2713 Nichols Ave., S. E., Washington 20, D. C. Groups 33—73; 35—81; 39—81. Reg. No. 40,712.

Pat. 2,537,836. Device for Deveining Shrimps. Patented Jan. 9, 1951. Device for holding a decapitated shrimp has a knife for slitting outer shell and removing spinal vein in one operation. A standard is formed with a lower shrimp-shaped fixed jaw. A similarly shaped upper clamping jaw with a handle is articulately and adjustably attached to lower jaw to accommodate shrimp of various sizes. A spring normally urges clamping jaw to open position. A shell-slitting and deveining knife is movably mounted in a longitudinal guide slot in clamping jaw. Lower jaw has a slot through which feet of shrimp will extend so that they may be cut off by a single sweep of any conventional knife. (Co-owner) Mary Eileen Feldkamp, Administratrix of the Estate of Don N. Kite, 5676 West Adams Blvd., Chicago, Ill. Group 33—51. Reg. No. 40,713.

Pat. 2,533,147. Folding Table for Attachment to Vehicle Doors. Patented Dec. 5, 1950. A collapsible table to be attached to the inside of a vehicle door has a pair of spaced brackets, the ends being bent to form supporting hooks. Four hingedly attached sections are secured to the brackets. A pair of channel members slidably arranged on the sides of the sections brace the sections when table is extended, and a cooperating catch and lug hold them in folded position. The table is useful on trains, automobiles, planes, or buses, and may be made of metal or the like. (Owner) Angela S. Sparks, P. O. Box 191, Augusta, Ga. Groups 25—14—99; 38—31; 39—81. Reg. No. 40,714.

Pat. 2,504,868. Electric Arc Welding. Patented Apr. 18, 1950. Electric arc welding apparatus and process in which a bare consumable filler wire electrode is fed continuously to a welding arc blanketed by a stream of shielding gas such as argon or helium. The apparatus and process are particularly useful for manual or automatic continuous high speed welding at high current densities, and for producing high quality fluxless welds in metals including both the readily weldable metals, such as steel, and the difficult to weld metals, such as aluminum, magnesium, copper, nickel, alloys thereof, and stainless steel. (Owner) Air Reduction Co., Inc., 60 East 42d St., New York 17, N. Y. Group 36—19. Reg. No. 40,715.

Air Reduction Company, Inc., offers the following five patents for licensing on reasonable terms. Inquiries concerning the patents should be addressed to: Air Reduction Company, Inc., 60 East 42d St., New York 17, N. Y.

These five patents relate to the production of free chlorine by the oxidation of hydrogen chloride in the presence of a catalyst, and to the recovery of chlorine from the mixture of gases produced thereby. Examples are given in the patents. Group 28—89.

Pat. 2,204,172. Method of Producing Chlorine. Patented June 11, 1940. Reg. No. 40,716.

Pat. 2,204,733. Production of Chlorine. Patented June 18, 1940. Reg. No. 40,717.

Pat. 2,271,056. Oxidation of Hydrogen Chloride. Patented Jan. 27, 1942. Reg. No. 40,718.

Pat. 2,312,952. Method of Producing Chlorine. Patented Mar. 2, 1943. Reg. No. 40,719.

Pat. 2,447,834. Concentration of Chlorine. Patented Aug. 24, 1948. Reg. No. 40,720.

Pat. 2,535,668. Speed Changer V-Belt Pulley. Patented Dec. 26, 1950. This invention relates to a V-belt pulley which permits a power shaft and pulley to rotate but will not transmit power to a belt trained thereover until pressure is applied to bring the pulley halves together. The half pulleys have sleeves with telescoping bushings which have a cooperating key and keyway to cause one bushing and sleeve to rotate the opposite bushing and sleeve. One pulley has a central circular seat to receive a roller bearing which contacts a shoulder on other pulley when device is assembled. By slowly closing the halves of the pulley the speed can be increased after starting at a reduced speed, and a belt tightener may be used as desired to get full power when starting. (Owner) Russell H. Carmean, Route 4, Chillicothe, Ohio. Group 35—66. Reg. No. 40,721.

Pat. 2,528,812. Pad for the Application or Removal of Cosmetics. Patented Nov. 7, 1950. A pad is designed for applying and removing cosmetics; or, it may be impregnated with a deodorant, face powder, etc. A double-faced member has a scalloped edge and a series of elevated segments in annular formation about center of pad to direct material applied thereto toward the center. The segments are formed by fluted lines extending from center of pad and fluted circumferential intersecting lines. It may be made of cotton fibers, paper, eider down, etc., in various sizes. (Owner) Oscar A. Berman. Correspondence to Elsie L. Berman, 25 East 77th St., New York 21, N. Y. Groups 26—25; 39—91—99; 40. Reg. No. 40,722.

Pat. 2,525,631. Twine Lifter. Patented Oct. 10, 1950. Lifter to be secured to a ceiling of a room will hold end of twine at a convenient height for use and will, whenever a portion is pulled down and removed, raise end of twine upwardly out of the way. Consists of a box containing two spaced transverse shafts with a depending clamping and tensioning arm pivoted to one of the shafts. When box is secured to ceiling, an eye is secured to ceiling on each side of box. Twine from a source may be passed through one eye, through the box and around lower end of arm, and then through other eye so that end of twine will hang down. (Owner) Walter C. Akers, North Matewan, W. Va. Groups 22—98; 33—59; 34—99. Reg. No. 40,723.

Pat. 2,537,296. Weather Strip for Doors. Patented Jan. 9, 1951. Weather strip for the bottom of doors automatically rises to pass over floor coverings. A rectangular piece of material (such as wood) is grooved to receive a resilient seal strip. One end of strip is pivoted to the door, and the other end is slotted for screw attachment to a slotted metal plate attached to door. The strip is urged downwardly by a spring. A vertically adjustable roller secured to the strip adjacent the slot rolls along the floor and moves the seal up and down. Modification given. (Owner) Jacob E. Yeakel, 4535 West Dakota Ave., Denver, Colo. Group 25—61. Reg. No. 40,724.

Pat. 2,408,802. Absorption Refrigeration Cycle. Patented Oct. 8, 1946. Reg. No. 40,725.

Pat. 2,534,789. Absorption Refrigeration. Patented Dec. 19, 1950. Reg. No. 40,726.

The two patents listed above relate to absorption refrigeration machines and useful refrigerant-solvent combinations. Pat. 2,408,802 refers to an absorption refrigerating system and method of operation employing fractionations of a refrigerant and a solvent. The refrigeration solvent combination has trichloroethylene as the solvent and Freon as the refrigerant. In Pat. 2,534,789 the refrigerant solvent combination consists essentially of perchloroethylene as the solvent and Freon as the refrigerant. Examples are given in both patents. (Co-owner) Delmar H. Larsen, 8601 West Knoll Drive, Los Angeles 46, Calif. Group 35—84.

General Electric Company offers the patents listed below for non-exclusive licensing on reasonable terms. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 198 patents relate to electrical apparatus and circuit arrangements for the utilization and control of electrical energy. Included among these patents are transformers, transformer tap-changing mechanisms, condensers, capacitors, controlling and protective arrangements, time delay circuits, switching mechanisms, voltage regulators and load indicators, and line drop compensators for voltage regulators. Also included are magnetic cores, spacers for electrical windings, coil winding apparatus, condenser dielectric material, a voltage sensitive reversible motor, and a method of welding ribbon-like electrical connectors of composite material. Group 36—11—13—19—41—61—62—92—99. Reg. Nos. 40,727 through 40,924.

Pat. 1,960,058. Composite Support and Condenser. May 22, 1934.

Pat. 1,961,761. Winding Clamp for Electrical Induction Apparatus. June 5, 1934.

Pat. 1,963,559. Electrical Condenser. June 19, 1934.

Pat. 1,963,568. Embedding Capacitor. June 19, 1934.

Pat. 1,963,606. Capacitor and Assembly. June 19, 1934.

Pat. 1,963,607. Floating Foil Capacitor. June 19, 1934.

Pat. 1,971,207. Current Transformer. Aug. 21, 1934.

Pat. 1,974,980. Electric Valve Converting System. Sept. 25, 1934.

Pat. 1,980,011. Method for the Production of Magnetic Strips or Tapes. Nov. 6, 1934.

Pat. 1,980,821. Means for Cooling Electrical Apparatus. Nov. 13, 1934.

Pat. 1,982,411. Shielded Resilient Separator. Nov. 27, 1934.

Pat. 1,983,379. Condenser Assembly. Dec. 4, 1934.

Pat. 1,992,013. Transformer Fault Detector. Feb. 19, 1935.

Pat. 1,992,809. Voltage and Power Factor Control. Feb. 26, 1935.

Pat. 1,992,814. Transformer Winding Insulation. Feb. 26, 1935.

Pat. 1,992,822. Magnetic Core. Feb. 26, 1935.

Pat. 1,995,884. Sheath Insulator. Mar. 26, 1935.

Pat. 1,998,298. Electron Discharge Amplifier Circuit. Apr. 16, 1935.

Pat. 1,999,857. Short Wave Capacitor. Apr. 30, 1935.

Pat. 2,000,686. Variable Mica Condenser. May 7, 1935.

Pat. 2,004,792. Electric Switching. June 11, 1935.

Pat. 2,008,542. Regulator Control System. July 16, 1935.

Pat. 2,014,219. Apparatus for the Generation of Electric High Voltage Impulses. Sept. 10, 1935.

Pat. 2,016,911. Protective System. Oct. 8, 1935.

Pat. 2,022,537. Electrical Regulation. Nov. 26, 1935.

Pat. 2,023,235. Spring Drive. Dec. 3, 1935.

Pat. 2,026,356. Electric Switch Mechanism. Dec. 31, 1935.

Pat. 2,034,518. Protection of Electric Systems. Mar. 17, 1936.

Pat. 2,051,592. Electrolytic Device. Aug. 18, 1936.

Pat. 2,055,346. High Voltage Electrical Apparatus. Sept. 22, 1936.

Re. 20,147. Transformer Tap Changing Mechanism. Oct. 27, 1936. (Original No. 2,004,998, dated June 18, 1935.)

Pat. 2,059,816. Variable Capacitor. Nov. 3, 1936.

Pat. 2,061,412. Insulator. Nov. 17, 1936.

Pat. 2,063,693. Transformer Voltage Regulator. Dec. 8, 1936.

Pat. 2,070,499. Cover Clamp for Electrical Apparatus. Feb. 9, 1937.

Pat. 2,071,194. Automatic Regulator Control. Feb. 16, 1937.

Pat. 2,074,145. Electric Circuit Control Means. Mar. 16, 1937.

Pat. 2,079,492. Electrical Regulating System. May 4, 1937.

Pat. 2,082,645. Transformer Connection. June 1, 1937.

Pat. 2,091,842. Induction Voltage Regulator. Aug. 31, 1937.

Pat. 2,091,855. Variable Capacitor. Aug. 31, 1937.

Pat. 2,099,568. Reactance Element Control. Nov. 16, 1937.

Pat. 2,106,039. Condenser Dielectric Material. Jan. 18, 1938.

Pat. 2,112,064. Method and Apparatus for Transformer Tap Changing Under Load. Mar. 22, 1938.

Pat. 2,112,733. Transformer. Mar. 29, 1938.

Pat. 2,114,186. Transformer. Apr. 12, 1938.

Pat. 2,116,403. Step Regulator. May 3, 1938.

Pat. 2,116,404. Electrical Induction Apparatus. May 3, 1938.

Pat. 2,116,435. Control Circuit. May 3, 1938.

Pat. 2,118,660. Transformer Load Indicator. May 24, 1938.

Pat. 2,123,050. Variable Capacitor. July 5, 1938.

Pat. 2,123,140. Voltage Sensitive Reversible Motor. July 5, 1938.

Pat. 2,129,524. Current Transformer. Sept. 6, 1938.

Pat. 2,136,248. Electrical Regulation. Nov. 8, 1938.

Pat. 2,137,135. Improved Dielectric Material and Method for Making the Same. Nov. 15, 1938.

Pat. 2,137,216. Protective Circuit. Nov. 15, 1938.

Pat. 2,137,877. Voltage Regulator Control. Nov. 22, 1938.

Pat. 2,138,652. Electric Switching. Nov. 29, 1938.

Pat. 2,143,684. Electroresponsive Control System. Jan. 10, 1939.

Pat. 2,144,541. Equivalent Capacitance Network. Jan. 17, 1939.

Pat. 2,145,709. Control Circuit. Jan. 31, 1939.

Pat. 2,149,086. Electrical Capacitor. Feb. 28, 1939.

Pat. 2,152,462. Electric Circuit. Mar. 28, 1939.

Pat. 2,152,463. Electric Circuit. Mar. 28, 1939.

Pat. 2,157,031. Electrical Winding. May 2, 1939.

Pat. 2,157,814. Polyphase Transformer Tap-Changing Mechanism. May 9, 1939.

Pat. 2,158,880. Parallel Circuit Control. May 16, 1939.

Pat. 2,158,926. Electric Circuit. May 16, 1939.

Pat. 2,168,154. Transformer. Aug. 1, 1939.

Pat. 2,175,870. Electrical Control Circuit. Oct. 10, 1939.

Pat. 2,175,905. Electric Circuit. Oct. 10, 1939.

Pat. 2,180,193. Electric Circuit. Nov. 14, 1939.

Pat. 2,185,831. Transformer. Jan. 2, 1940.

Pat. 2,192,764. Variable Capacitor. Mar. 5, 1940.

Pat. 2,196,886. Voltage Regulation. Apr. 9, 1940.

Pat. 2,199,116. Transformer Coil Winding Device. Apr. 30, 1940.

Pat. 2,200,968. Electric Circuit Control Means. May 14, 1940.

Pat. 2,200,988. Shaft Locking Device. May 14, 1940.

Pat. 2,201,864. Method and Apparatus for the Manufacture of Electric Condensers. May 21, 1940.

Pat. 2,202,716. Electric Circuit. May 28, 1940.

Pat. 2,204,418. Line Drop Compensator. June 11, 1940.

Pat. 2,213,892. System of Motor Control. Sept. 3, 1940.

Pat. 2,214,865. Liquid-Cooled Electric Apparatus. Sept. 17, 1940.

Pat. 2,216,595. Time Delay Circuit. Oct. 1, 1940.

Pat. 2,216,596. Regulator Control Circuit. Oct. 1, 1940.

Pat. 2,216,597. Time Delay Control System. Oct. 1, 1940.

Pat. 2,216,598. Time Delay Control Circuit. Oct. 1, 1940.

Pat. 2,216,599. Regulator System. Oct. 1, 1940.

Pat. 2,218,672. Line Drop Compensator. Oct. 22, 1940.

Pat. 2,218,762. Line Drop Compensator. Oct. 22, 1940.

Pat. 2,219,182. Core Winding Arrangement. Oct. 22, 1940.

Pat. 2,220,733. Transformer and Method of Making the Same. Nov. 5, 1940.

Pat. 2,221,687. Transformer Assembling Method and Apparatus. Nov. 12, 1940.

Pat. 2,222,714. Control Circuit. Nov. 26, 1940.

Pat. 2,224,067. Regulator System. Dec. 3, 1940.

Pat. 2,234,746. Electric Circuit. Mar. 11, 1941.

Pat. 2,241,057. Capacitance Compensator. May 6, 1941.

Pat. 2,243,558. Electric Translating System. May 27, 1941.

Pat. 2,243,575. Multiple Switching Apparatus and Method. May 27, 1941.

Pat. 2,244,395. Enclosing Housing for Electrical Devices. June 3, 1941.

Pat. 2,245,180. Assembling Electromagnetic Induction Apparatus. June 10, 1941.

Pat. 2,245,192. Electromagnetic Controller. June 10, 1941.

Pat. 2,246,239. Wound Core Assembling Arrangement. June 17, 1941.

Pat. 2,246,240. Wound Core Stationary Induction Apparatus. June 17, 1941.

Pat. 2,248,621. Method of Fabricating Welded Assemblies. July 8, 1941.

Pat. 2,249,493. Connection for Electric Condensers. July 15, 1941.

Pat. 2,253,947. Regulator System. Aug. 26, 1941.

Pat. 2,253,978. Variable Capacitor. Aug. 26, 1941.

Pat. 2,255,498. Condenser Winding Machine. Sept. 9, 1941.

Pat. 2,260,820. Rotary Liquid Seal. Oct. 28, 1941.

Pat. 2,264,836. Electric Distribution System and Multi-winding Transformer Therefor. Dec. 2, 1941.

Re. 22,086. Bushing. Apr. 28, 1942. (Original No. 2,264,816, dated Dec. 2, 1941.)

Pat. 2,283,670. Transformer. May 19, 1942.

Pat. 2,283,711. Electrical Winding. May 19, 1942.

Pat. 2,283,748. Switch. May 19, 1942.

Pat. 2,284,354. Breather. May 26, 1942.

Pat. 2,285,136. Electric Condenser. June 2, 1942.

Pat. 2,289,920. Voltage Regulation. July 14, 1942.

Pat. 2,289,982. Switching Means. July 14, 1942.

Pat. 2,294,712. Transformer Tap Changer Arrangement. Sept. 1, 1942.

Pat. 2,295,303. Tap Changer. Sept. 8, 1942.

Pat. 2,296,031. Voltage Regulating Apparatus. Sept. 15, 1942.

Pat. 2,297,605. Transformer. Sept. 29, 1942.

Pat. 2,300,205. Apparatus Mounting Arrangement. Oct. 27, 1942.

Pat. 2,300,910. Transformer. Nov. 3, 1942.

Pat. 2,309,455. Variable Capacitor. Jan. 26, 1943.

Pat. 2,310,071. Condenser Winding Machine. Feb. 2, 1943.

Pat. 2,311,396. Vibration-Free Mounting. Feb. 16, 1943.

Pat. 2,312,073. Electromagnetic Induction Apparatus. Feb. 23, 1943.

Pat. 2,312,140. Gap Filler. Feb. 23, 1943.

Pat. 2,314,912. Stationary Induction Apparatus. Mar. 30, 1943.

Pat. 2,315,913. Voltage Regulator. Apr. 6, 1943.

Pat. 2,317,970. Capacitor Construction and Circuit Arrangement for Polyphase Circuits. May 4, 1943.

Pat. 2,319,646. Transformer Load Indicator. May 18, 1943.

Pat. 2,323,427. Regulator. July 6, 1943.

Pat. 2,324,822. Electrical Regulator. July 20, 1943.

Pat. 2,325,936. Regulating Circuit. Aug. 3, 1943.

Pat. 2,328,520. Condenser Winding Machine. Aug. 31, 1943.

Pat. 2,333,015. Variable Reactance Device. Oct. 26, 1943.

Pat. 2,336,886. Electric Circuit. Dec. 14, 1943.

Pat. 2,339,052. Electric Circuit. Jan. 11, 1944.

Pat. 2,339,103. Transformer System. Jan. 11, 1944.

Pat. 2,339,663. Vacuum Condenser. Jan. 18, 1944.

Pat. 2,340,898. Electric Apparatus. Feb. 8, 1944.

Pat. 2,341,058. Electric Apparatus With Fluid System Therefor. Feb. 8, 1944.

Pat. 2,342,084. Transformer Tap-Changing Circuit. Feb. 15, 1944.

Pat. 2,345,420. Protective System. Mar. 28, 1944.

Pat. 2,347,512. Electric Circuit. Apr. 25, 1944.

Pat. 2,348,003. Magnetic Core. May 2, 1944.

Pat. 2,349,611. Protection of Polyphase Impedance Networks. May 23, 1944.

Pat. 2,349,782. Current Transformer. May 23, 1944.

Pat. 2,350,724. Insulated Conducting Member and Method of Applying the Insulation. June 6, 1944.

Pat. 2,359,102. Wound Core Reactor. Sept. 26, 1944.

Pat. 2,359,173. Electromagnetic Induction Apparatus. Sept. 26, 1944.

Pat. 2,360,148. Electric Circuit. Oct. 10, 1944.

Pat. 2,363,898. Protective System. Nov. 28, 1944.

Pat. 2,366,071. Stationary Induction Apparatus. Dec. 26, 1944.

Pat. 2,366,678. Electric Control System. Jan. 2, 1945.

Pat. 2,366,679. Electric Circuit. Jan. 2, 1945.

Pat. 2,368,505. Spacer for Electrical Windings. Jan. 30, 1945.

Pat. 2,368,506. Electric Apparatus and Winding Therefor. Jan. 30, 1945.

Pat. 2,369,135. Electric Induction Apparatus. Feb. 13, 1945.

Pat. 2,374,050. Electric Circuit. Apr. 17, 1945.

Pat. 2,374,974. Electric Circuit. May 1, 1945.

Pat. 2,382,199. Electric Apparatus. Aug. 14, 1945.

Pat. 2,382,857. Electric Induction Apparatus. Aug. 14, 1945.

Pat. 2,386,651. Variable Voltage Divider. Oct. 9, 1945.

Pat. 2,389,007. Protective System. Nov. 13, 1945.

Pat. 2,395,870. Impedance Switching Device. Mar. 5, 1946.

Pat. 2,402,366. Electrical Apparatus. June 18, 1946.

Pat. 2,403,340. Insulated Conducting Member and Method of Applying the Insulation. July 2, 1946.

Pat. 2,405,457. Coil Winding for Electric Apparatus and Method of Making Same. Aug. 6, 1946.

Pat. 2,407,626. Magnetic Core. Sept. 17, 1946.

Pat. 2,407,688. Magnetic Core. Sept. 17, 1946.

Pat. 2,409,042. Insulating Guard. Oct. 8, 1946.

Pat. 2,413,170. Liquid Stable at Low Temperatures. Dec. 24, 1946.

Pat. 2,416,130. Electrical Induction Apparatus and Protective Means Therefor. Feb. 18, 1947.

Pat. 2,421,298. Transformer. May 27, 1947.

Pat. 2,421,300. Transformer Circuit. May 27, 1947.

Pat. 2,422,037. Electric Induction Apparatus. June 10, 1947.

Pat. 2,426,905. Variable Capacitor. Sept. 2, 1947.

Pat. 2,427,184. Insulating Bushing. Sept. 9, 1947.

Pat. 2,427,544. Voltage Regulator. Sept. 16, 1947.

Pat. 2,428,613. Transformer. Oct. 7, 1947.

Pat. 2,435,438. Electric Switch. Feb. 3, 1948.

Pat. 2,439,255. Capacitor Switch. Apr. 6, 1948.

Pat. 2,440,930. Cooling System. May 4, 1948.

Pat. 2,440,983. Tapped Transformer System. May 4, 1948.

Pat. 2,446,999. Magnetic Core. Aug. 17, 1948.

Pat. 2,448,378. Grid-to-Cathode Capacitor Construction. Aug. 31, 1948.

Pat. 2,449,367. Tapped Transformer System. Sept. 14, 1948.

Pat. 2,454,049. Electric Capacitor. Nov. 16, 1948.

Pat. 2,454,102. Electric Capacitor. Nov. 16, 1948.

Pat. 2,464,582. Trimmer Capacitor. Mar. 15, 1949.

Pat. 2,473,240. Parallel Plate Capacitor. June 14, 1949.

Pat. 2,473,992. Electric Switch. June 21, 1949.

Pat. 2,474,825. Testing Arrangement for Protected Electrical Apparatus. July 5, 1949.

Pat. 2,476,077. Transformer System. July 12, 1949.

The following 16 patents relate to electrical household appliances. They cover dishwashing machines and garbage disposal units. Also included are a faucet attachment for use with dishwashing machines and a vacuum breaker for a garbage disposal unit. Groups 33—61; 35—51—59—89; 36—21.

Pat. 1,995,300. Washing Machine. Mar. 26, 1935. Reg. No. 40,925.

Pat. 2,044,548. Cutting Machine. June 16, 1936. Reg. No. 40,926.

Pat. 2,062,097. Washing Apparatus. Nov. 24, 1936. Reg. No. 40,927.

Pat. 2,106,619. Washing Apparatus. Jan. 25, 1938. Reg. No. 40,928.

Pat. 2,155,271. Washing Apparatus. Apr. 18, 1939. Reg. No. 40,929.

Pat. 2,155,272. Dishwashing Machine. Apr. 18, 1939. Reg. No. 40,930.

Pat. 2,155,273. Washing Apparatus. Apr. 18, 1939. Reg. No. 40,931.

Pat. 2,166,786. Waste Disposal Apparatus. July 18, 1939. Reg. No. 40,932.

Pat. 2,287,534. Vacuum Breaker. June 23, 1942. Reg. No. 40,933.

Pat. 2,287,628. Washing Apparatus. June 23, 1942. Reg. No. 40,934.

Pat. 2,316,570. Washing Apparatus. Apr. 13, 1943. Reg. No. 40,935.

Pat. 2,354,055. Case Hardened Malleable Casting and Process for Making the Same. July 18, 1944. Reg. No. 40,936.

Pat. 2,418,366. Dishwashing Machine. Apr. 1, 1947. Reg. No. 40,937.

Pat. 2,422,060. Faucet Attachment. June 10, 1947. Reg. No. 40,938.

Pat. 2,432,291. Dishwashing Apparatus. Dec. 9, 1947. Reg. No. 40,939.

Pat. 2,498,517. Detergent Supplying Means for Dishwashing Apparatus. Feb. 21, 1950. Reg. No. 40,940.

The following 11 patents relate to electric hot plates and control therefor, terminal boxes for electrical heating devices for cooking stoves, signal devices and switches for electrical appliances, an electric water heater, and a condiment device of plastic or the like for electric ranges. Groups 36—11—21; 39—81.

Pat. 1,996,625. Liquid Heating System. Apr. 2, 1935. Reg. No. 40,941.

Pat. 1,998,308. Electric Heater. Apr. 16, 1935. Reg. No. 40,942.

Pat. 2,028,604. Electric Heater. Jan. 21, 1936. Reg. No. 40,943.

Pat. 2,081,827. Switch. May 25, 1937. Reg. No. 40,944.

Pat. 2,108,623. Electric Heater. Feb. 15, 1938. Reg. No. 40,945.

Pat. 2,114,888. Hot Plate. Feb. 19, 1938. Reg. No. 40,946.

Pat. 2,224,596. Control Device. Dec. 10, 1940. Reg. No. 40,947.

Pat. 2,243,586. Condiment Device. May 27, 1941. Reg. No. 40,948.

Pat. 2,255,499. Electric Hot Plate. Sept. 9, 1941. Reg. No. 40,949.

Pat. 2,255,500. Electric Hot Plate. Sept. 9, 1941. Reg. No. 40,950.

Pat. 2,322,162. Control Arrangement for Signal Devices. June 15, 1943. Reg. No. 40,951.

Dedicated Patents

8. Morgan Smith Company has assigned, transferred, and dedicated to the people of the United States of America the entire right, title, and interest in and to the following two patents.

Pat. 2,360,791. Wind Turbine. Patented Oct. 17, 1944.

Pat. 2,360,792. Wind Turbine. Patented Oct. 17, 1944.

These two patents relate to wind turbine power plants for generating electricity. Automatic controls are provided for varying the angle of the turbine blades in response to varying wind forces to control speed of turbine. Other controls automatically synchronize the generator to transmission line when the wind velocity is within a predetermined range and cut it out of the line whenever the wind velocity departs from such range. Gale protection is provided for entire plant without shut-down during gales by connecting the turbine blades to turbine hub by articulated couplings which permit the blades to independently cone downwind in response to wind forces of gale velocity. Groups 35—11; 36—19.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MARCH, 1951

SALES AFFILIATES, INC. v. JOSE B. CALVA (CALVA PROCESS INDUSTRIES, INC., ASSIGNEE, SUBSTITUTED). 173 Ms. D. 176, 88 USPQ 176, March 1, 1951. Opposition No. 28,210.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition filed against the application for registration on the Principal Register under the act of 1946 of the word "Lustrasilk" applied to a shampoo, a preparation to set the configuration of the hair, and hand and scalp creams for protecting and softening the skin. The opposition was predicated on the prior use by the opposer-appellant of the term "LUSTRON" as its common-law trade-mark for hair treating materials, cold permanent wave lotion and a cream shampoo.

After noting that the sole question here for determination is whether the involved marks are so nearly similar as to be likely to cause confusion or mistake or to deceive purchasers when applied to the goods of the respective parties, it was held that the mere fact that the same initial term "lustr" is common to both is not sufficient to justify a refusal to register applicant's mark, since the marks as a whole neither look alike, sound alike, nor can they be said to have similar connotations as applied to the goods of the respective parties.

EX PARTE THE E. Z. WALK CORPORATION, 173 Ms. D. 179, 88 USPQ 444, March 2, 1951.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Principal Register under the act of 1946 of the trade-mark "E-Z Walk" for shoes and slippers made of leather and fabric or combinations thereof. Registration was refused on Registration No. 343,902, showing the mark "JUSTIN EASY WALKER" applied to leather boots and leather shoes.

In response to applicant's contention that the surname "JUSTIN," preceding the words "EASY WALKER," is a direct indication of the source of the goods of the registrant, it was held that this contention is without merit.

With regard to the similarity in sound between the marks "E-Z Walk" and "EASY WALKER" it was held that when spoken as written they are identical and that confusion in trade would be highly likely, if not inevitable, either in regard to the goods themselves or their source of origin, and that such similarity of sound alone is sufficient to give rise to likelihood of confusion when applied to identical merchandise.

ROGERS PEET COMPANY v. CROMPTON COMPANY, 173 Ms. D. 182, 88 USPQ 470, March 6, 1951, Opposition No. 28,051.

Examiner-in-Chief Klinge reversed the decision of the Examiner of Trade-Mark Interferences who had sustained the opposition to the registration of the trade-mark "SCOTSBRIER" for fabrics in the piece composed of cotton, wool, silk and synthetic fibers. The opposition was based upon opposer's registrations of "SCOTCHMOOR" for men's topcoats, "Scotchmoors" for men's and boys' suits, "Scotchmist" for outer suits and overcoats, and "Scotch Mist" for hats and caps.

It was held that the word "SCOTCH" or "SCOTS" may obviously not be disregarded simply because of its descriptiveness or geographic significance, nor can undue emphasis be given thereto, but more properly less weight should be accorded these descriptive portions of the marks in construing them as a whole than would be the case if those words were wholly arbitrary or distinctive, so that considering the marks as a whole, concurrent use thereof would be unlikely to lead to confusion or deception in the mind of purchasers.

THE AMERICAN OIL COMPANY v. ASBESTOS MANUFACTURING COMPANY, 173 Ms. D. 186, 88 USPQ 562, March 19, 1951, Opposition No. 28,262.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Interferences dismissing the opposition to the registration of the mark "AMCOBOND" on the Principal Register under the act of 1946, for asbestos brake lining. Opposer relied upon its adoption and use of the mark "AMOCO" for gasoline, motor fuels, and lubricating oils, and later for automobile parts and accessories.

It was held that it is clear from the record that applicant was using its mark "AMCOBOND" long prior to the time when opposer extended the use of its mark "AMOCO" to automobile parts and accessories, and that the only products on which the mark "AMOCO" was used when the applicant started using its mark were gasoline, fuel oils and lubricating oils.

It was held that the Examiner was right in ruling that the cumulative effect of the differences between the marks and the goods here involved is such that there is no likelihood of confusion in the concurrent use of these marks on their respective goods.

GENERAL MILLS, INC. v. KAPLAN RICE MILL, INC., 173 Ms. D. 189, 88 USPQ 564, March 20, 1951, Opposition No. 28,030, Cancellation No. 5260.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences in an opposition and a cancellation proceeding which had been consolidated. Opposition was made to the registration under the act of 1946 of the words "GOLD MEDAL" arranged above a picture of a medal in the center of which appears the letter "K," the medal being suspended on what appears to be a ribbon, the mark being used for packaged rice. Cancellation was sought of Registration No. 342,963 for the words "KAPLAN'S GOLD MEDAL," the word "KAPLAN'S" appearing above the words "GOLD MEDAL" for rice. Opposer and petitioner relied upon its ownership of the trade-mark "GOLD MEDAL" for wheat flour and a number of other products, and certain registrations for the trade-mark "GOLD MEDAL."

In response to Kaplan's contention that the words "GOLD MEDAL" belong to the class of "weak marks," it was held that a careful consideration of all the facts makes it clear that the so-called rule of law relating to "weak marks" discussed in the early and subsequent decisions does not apply here.

It was held that the products of both parties are closely related and the words "GOLD MEDAL" being prominently displayed and without question the dominant part of the marks of both parties, it is highly probable that confusion or deception of purchasers would be likely to result from the concurrent use of both marks on the goods of the respective parties, so that the opposition was properly sustained.

For the same reasons, it was held that Registration No. 342,963 should be canceled, since petitioner is by many years the prior user of the mark and the goods are considered too closely related to justify the use of the mark "GOLD MEDAL" by Kaplan on rice.

A. H. ROBINS COMPANY, INCORPORATED v. VAN PELT AND BROWN, INCORPORATED, 173 Ms. D. 193, 88 USPQ 566, March 21, 1951, Opposition No. 28,384.

Examiner-in-Chief Klinge affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition to registration on the Principal Register under the act of 1946 of the trade-mark "VANAPHEN" for a preparation in liquid form used as a sedative in the treatment of various nervous disorders and dismissing the counterclaim seeking cancellation of the registration relied upon by the opposer, of the trade-mark "PHENAPHEN" for a medicinal preparation used as an analgesic and antispasmodic.

It was held that in view of the close similarity between the two marks and the similar nature of the goods involved, the decision of the Examiner of Interferences sustaining the opposition was entirely correct.

In passing upon the counterclaim, it was held that opposer's trade-mark "PHENAPHEN" is no more descriptive of two of the four ingredients of the composition to which it is applied than it is of any one or more of the other of the thousands of compounds containing the phenyl radical and is in fact descriptive of none of them, so that the decision of the Examiner of Interferences dismissing the counterclaim was proper.

EX PARTE CROSSETT LUMBER COMPANY, 173 Ms. D. 197, — USPQ —, March 26, 1951.

Examiner-in-Chief Federico affirmed the decision of the Examiner refusing to register under the proviso in section 2(d) of the Trade-Mark Act of 1946 the trade-mark "Royal Oak" for oak flooring, the word "Oak" being disclaimed apart from the mark as shown, and refusing to institute concurrent use proceedings involving Registration No. 255,268 for the mark "Royal Oak" for oak flooring, the word "Oak" being disclaimed apart from the mark as shown.

In response to applicant's argument that the registrant's use of the mark should be limited to using the mark in conjunction with the term "Fordyce" and that applicant's mark is to be used in conjunction with the word "Crossett" it was held that it cannot be believed that confusion or mistake is not likely to result from the use of the identical marks upon the identical goods, even though the goods also carry the names of different cities.

In response to applicant's argument that a concurrent use proceeding should be instituted under rule 22.1 of the Rules of Practice in Trade-Mark Cases, it was held that the proceedings need not be instituted if it is plain from the application that the registration cannot be granted.

CALE J. SCHNEIDER v. YOUNGBERG BROS., 173 Ms. D. 206, — USPQ —, March 26, 1951, Interference No. 4262.

Examiner-in-Chief Federico dissolved the interference involving the application for registration of the word "CheeSlicer" under the provisions of section 2(f) of the Trade-Mark Act of 1946 for a hand operated utensil designed for cutting and serving flaccid materials, such as butter, ice cream, eggs, cheese, and prepared meats, and Registration No. 371,629, on the ground of unregistrability of the mark to the applicant for the reasons stated, and held that the reason for dissolving the interference given by the Examiner is considered erroneous.

It was held that in this particular case an affidavit alleging substantially exclusive and continuous use for a period of five years is entirely inadequate to show distinctiveness of the applicant's mark, which mark is considered merely a misspelling of a name which aptly designates the goods.

Although the Examiner dissolved the interference because the registration of the senior party is prima facie evidence sufficient to defeat applicant's allega-

tion of substantially exclusive use, it was held that the applicant has asserted that the mark of the registrant has not been used for a substantial period including five or six years preceding the filing of the application, and this nonuse is admitted in the record by the registrant, so that the applicant has sufficiently overcome the prima facie nature of use by the registrant established by the registration to substantiate his claim of five years' substantially exclusive use, for the purpose of continuing the interference.

MCGILL METAL PRODUCTS COMPANY v. JOHN D. TYLER (THE BETTER MOUSE TRAP COMPANY, ASSIGNEE, SUBSTITUTED), 173 Ms. D. 202, — USPQ —, March 29, 1951, Opposition No. 28,129.

Application was made for the registration, for mouse traps, of a mark consisting of an oval shaped panel across which appears the word "Better" in large letters, with the words "Mouse Trap" across the word "Better" in small letters. Registration was opposed, opposer relying upon its continuous use of the unregistered trade-mark "Better" on its mouse traps since 1932. The Examiner of Interference sustained the opposition. *Examiner-in-Chief Federico* affirmed.

After indicating that judicial notice is taken of the existence of the proverbial saying relating to the better mouse trap, it was held that opposer's testimony adequately shows prior use of its mark and the principal question presented is that of similarity of the marks.

It was held that it is considered plain that applicant's mark is confusingly similar to the mark of the opposer, the fact that applicant has disclaimed the words "Better" and "Mouse Trap" apart from the mark as shown being of no importance in view of the nature of the mark, since authority is ample that such disclaimer of prominent words upon which likelihood of confusion is predicated will not avoid sustaining an opposition to registration nor endow a composite mark dominated by nonregistrable matter with registrability.

In response to applicant's argument that the word "Better" does not have any trade-mark significance and is not subject to exclusive appropriation as a trade-mark, it was held that an opposer's right to oppose need not depend upon exclusive ownership and that descriptiveness or other defect in opposer's mark is not material; moreover, applicant's contention could avail him naught since it would only establish another ground for refusing the registration.

A. STEIN & COMPANY v. S. & L. BELT CO., INC., 173 Ms. D. 200, — USPQ —, March 29, 1951, Opposition No. 28,289.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Interferences sustaining an opposition to the registration of the word "Topps" for garment belts in Class 39, Clothing. Opposer relied upon prior use of the mark "Tops" and the slogan "Tops for your trousers" on or in connection with garment belts.

After noting that opposer has not shown any use of the word "Tops" alone, that is, apart from its appearance in the slogan, it was held that the testimony adequately shows opposer's prior and continuous use of the slogan in connection with belts.

In response to applicant's contention that opposer's slogan is merely a descriptive and laudatory expression it was held that the fact that the slogan may be descriptive does not deprive opposer of the right to bring the opposition, since an opposer does not necessarily need to have the exclusive right to a mark to maintain an opposition and one using a descriptive term in connection with his goods may oppose the registration of a confusingly similar mark for the same goods.

In response to applicant's argument that the slogan is used by opposer only in conjunction with its trade-mark "Paris" it was held that the fact that opposer uses its general trade-mark "Paris" is no objection to bringing the opposition since it is well recognized that several marks may be used in connection with the same goods.

It was held that opposer's use of the slogan is sufficiently widespread and analogous to trade-mark use to warrant its bringing opposition proceedings.

It was held that it is considered evident that the use of applicant's mark on belts would be likely to create confusion or mistake in view of the prior use of the slogan by the opposer, the fact that the applicant uses two "p's" in spelling the word being not considered material.

THE COCA-COLA COMPANY v. RODRIGUEZ FLAVORING SYRUPS, INC. (THE MAVIS CORPORATION, ASSIGNEE, SUBSTITUTED), 173 Ms. D. 209, —USPQ —, March 29, 1951, Opposition No. 28,752.

Application was made for registration under the act of 1905 of a trade-mark used for syrups, concentrates, and extracts for nonalcoholic maltless beverages in the nature of soft drinks, the mark disclosed in the drawing and on the specimens consisting of the words "Mavis Cola" written in script with the word "Mix" appearing below in capital letters much smaller in size, the words "Cola" and "Mix" being disclaimed apart from the mark as shown. Registration was opposed on the basis of ownership of the trade-mark "Coca-Cola," alleged to have been continuously used by opposer and its predecessors as a trade-mark for a soft drink syrup and beverage since about June 28, 1887, and four trade-mark registrations of "Coca-Cola." Applicant joined to the answer five counterclaims, each constituting a petition to cancel certain of opposer's registrations, including the four above mentioned. Opposer filed three separate motions: one, a motion to dismiss the counterclaims for failure to state a claim upon which relief can be granted; two, a motion to strike various paragraphs of the counterclaims; and three, a motion to strike various paragraphs and parts of paragraphs from the answer. The Examiner granted the first motion and dismissed each of the counterclaims; denied the second motion without prejudice; and granted the third motion to the extent that 57 paragraphs were stricken, but denied this motion as to other paragraphs. The Commissioner denied a petition for supervisory action to overrule the action of the Examiner in granting part of the third motion on the ground that it would involve consideration of the entire record, which would have to be considered in connection with the appeal, without prejudice to its renewal and consideration with the presentation of any appeal.

On appeal *Examiner-in-Chief Federico* affirmed the decision of the Examiner of Interferences dismissing the petitions for cancellation (the counterclaims), dismissed the petition and appeal seeking review of the decision of the Examiner of Interferences striking certain paragraphs of the answer to the notice of opposition and dismissed the appeal from the decision of the Examiner denying without prejudice the motion to strike certain paragraphs of the counterclaims in view of the affirmance of the decision dismissing the counterclaims.

It was held that the decision of the Examiner dismissing the counterclaims was a final decision dismissing each of the five petitions for cancellation, entitling the applicant to appeal under section 20 of the Trade-Mark Act of 1946 and the rules of the Patent Office relating to such appeals.

It was held that the decision of the Examiner on the third motion, striking certain paragraphs from the answer, is not appealable.

It was held that applicant's appeal from the decision of the Examiner dismissing the second motion was not a proper appeal since the result was in applicant's favor and there is no appeal from the reasons for a decision.

It was held that the decisions on two motions to strike various paragraphs of the answer and the counterclaims brought up by a petition to the Commissioner, and purported appeals which are dismissed as such, would be treated as similar petitions, being considered as in exercising the supervisory authority of the Commissioner as by express delegation from the Commissioner to consider in connection with an appeal any matters raised or appropriate which could be considered by the Commissioner.

It was held, since the application was not converted to come under the 1946 act, that the opposition proceeding is governed entirely by the Trade-Mark Act of 1905, with the possible exception that section 19 of the Trade-Mark Act of 1946 may be applicable.

After noting that the main reason for striking the paragraphs of the answer was that they constituted attacks upon the opposer's registrations, it was held that it has been settled by a long line of precedents that the applicant in an opposition proceeding may not thus attack the validity of the opposer's registrations relied upon.

It was held that petitions for cancellation of a trade-mark registered under the act of 1905 or 1881 can now only be brought under section 14 of the Trade-Mark Act of 1946, and in accordance with the provisions of the new act.

It was held that the only basis for bringing the petitions to cancel appears to be merely the fact that the registrant has opposed the registration of petitioner's mark, which is not sufficient.

It was held that upon the expiration of the copyright any trade-mark rights in connection with trade-marks which might have been mentioned in the copyrighted matter do not lapse and pass into the public domain.

In response to an allegation that the registrant obtained several design patents for bottles, so that there was, in effect, double patenting of these bottle designs, it was held that what connection this matter could have with the validity of registrant's trade-mark is difficult to see.

In response to the charge that registrant uses its mark without including a registration notice, it was held that not only does the statute fail to provide that omission of the registration notice effects a loss of the trade-mark rights, but the provision plainly indicates that the registrant may sue for infringement subject to the penalty of failing to recover profits or damages before actual notice to the infringer.

In response to applicant's request in its brief asking leave to amend the counterclaims if they are not upheld, it was held that such a general request cannot be granted.

LANDIS TOOL COMPANY v. LANDIS MACHINE COMPANY, INC., 173 Ms. D. 219, — USPQ —, March 30, 1051, Opposition No. 28,034.

Application was made, originally under the act of 1905, and amended to an application under the Trade-Mark Act of 1946 and section 2(f) thereof, which permits the registration of a surname as a trade-mark if it has become distinctive of the applicant's goods in commerce, for the registration of the name "Landis" as a trade-mark for thread forming machines and accessories therefor and parts thereof, including machines and accessories and parts for cutting, rolling and grinding threads. Registration was opposed on the basis that applicant has not had substantially exclusive use of the mark "Landis" for any item or article of manufacture set forth in the application, at any time, and especially not during five years preceding the filing of the application, and that the word "Landis" has not become distinctive of applicant's goods in commerce. The Examiner of Interferences sustained the notice of opposition and adjudged that the applicant is not entitled to the registration for which it has made application. *Examiner-in-Chief Federico* affirmed.

It was held that the record in this case establishes that during the five-year period involved, the opposer was using the name Landis, as a part of the phrase "Landis Tool" in connection with the

sale of thread grinding machines, as to which machines there is no question as to their being of the same class as applicant's thread grinding machines, which use cannot be considered insubstantial or sporadic, so that applicant's claim of distinctiveness based upon substantially exclusive and continuous use for five years preceding the application can not be admitted.

It was held that applicant's contention that the use by opposer was tortious can not be considered, since this is, in effect, asking for an adjudication of infringement by the Patent Office.

It was held that the application involved may not be considered registrable for a more fundamental reason than the dispute between the parties over the use of the name Landis in connection with thread grinding machines, because opposer has been using the mark "Landis" and its name, "Landis Tool Company," in connection with machine tools, namely, grinding machines, during the five year period and also prior to any use of the mark by the applicant, and the use of the mark by applicant on its machine tools is likely to cause confusion or mistake, for while grinding machines of general application and thread cutting machines may not be competitive items, nevertheless, they are both machine tools, and the use of the same name on both types of machines would be likely to cause confusion.

In response to applicant's contention that the Examiner should have found that applicant has a superior right to the use of "Landis" on thread grinding machines, it was held that the respective rights of the parties to use the name Landis on the same machines or different classes of machine tools is not involved in this proceeding, which is concerned solely with the right under the statute of the applicant to the registration upon the application it has made; any controversy between the parties as to their respective rights to use the name Landis must be settled in the proper forum without the aid of a Federal trade-mark registration to one of them.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 24, 1951

[VOL. 645. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 522,033. Tyrrell H. Duncombe, St. Petersburg, Fla. Filed May 7, 1947.

CAR-ETTA

For Non-Poisonous Body Aseptic.
Claims use since Mar. 21, 1947.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 512,840. Lanolin Plus Cosmetics, Inc., Chicago, Ill. Filed Nov. 19, 1946.

LANOPLUS

For Toilet Soap and Laundry Soap.
Claims use since Aug. 12, 1942.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 590,945. John A. Riffe, doing business as John Riffe Hatchery, Shenandoah, Iowa. Filed Jan. 16, 1950.

NEW HAMPHORN

For Baby Chicks.
Claims use since Jan. 14, 1950.

CLASS 2

RECEPTACLES

Ser. No. 576,508. Bemis Bro. Bag Company, St. Louis, Mo. Filed Apr. 2, 1949.

DELTAPHANE

Applicant claims ownership of Registrations Nos. 288,579 and 365,057.
For Paper Bags With Plastic Film Windows.
Claims use since Mar. 1, 1949.

Ser. No. 596,933. Alpheus J. Norman, Jr., doing business under the name and style of Nor-Vase Company, East Orange, N. J., and Warwick, N. Y. Filed May 5, 1950.

NOR-VASE

The word "Vase" is disclaimed.
For Vase With Built-in Flower Holder Formed of a Plastic Composition.
Claims use since June 9, 1949.

CLASS 5

ADHESIVES

Ser. No. 599,004. Nashua Gummed and Coated Paper Company, Nashua, N. H. Filed June 13, 1950.

IMAC

For Paper Tape Having an Adhesive Coating Normally Not Tacky But Activatable to a Condition of Tackiness by Heat and Used for Uniting Articles and Parts of Articles of Paper and Paper Board, for Sealing Containers and for Securing Wrappings.
Claims use since Jan. 11, 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 538,561. Marcel Quercia, Paris, France. Filed Oct. 21, 1947.

BUTABLOC

Applicant claims ownership of French Registration No. 377,524, dated May 13, 1947.
For Cartridges, Tanks and Containers Filled With Fuel Gas.

Ser. No. 566,097. Pfanstiehl Detergent Chemicals, Inc., Chicago, Ill. Filed Sept. 29, 1948.

20

For Bactericide for Dairy Sanitation and Having Quaternary Ammonium Chloride as the Active Ingredient.
Claims use since Mar. 25, 1948.

Ser. No. 579,393. Carbide and Carbon Chemical Corporation, New York, N. Y., now by merger Union Carbide and Carbon Corporation. Filed May 24, 1949.

"DRYENE"

For Organic Chemical Compositions for Improving the Properties of Naturally Occurring Oils Used in Surface Coating Applications and for Improving the Properties of Oil Modified Synthetic Resins.
Claims use since Apr. 7, 1949.

Ser. No. 579,674. Duramite Chemical Company, Winston-Salem, N. C. Filed May 28, 1949.

DURAMITE

For Chemical Resistant Coatings Based on Vinyl Resins, Alkyd Resins, and Rubber Resins.
Claims use since Aug. 23, 1948.

Ser. No. 580,187. Food Machinery and Chemical Corporation, San Jose, Calif. Filed June 9, 1949.

NEU-ROTE

Applicant claims ownership of Registration No. 435,121.
For Parasiticides for Plant Use.
Claims use since Mar. 25, 1938.

Ser. No. 583,329. Capskar, Inc., New York, N. Y. Filed Aug. 11, 1949.

Permalon

For Solution for Treating Nylon Stockings.
Claims use since Aug. 4, 1949.

Ser. No. 585,073. The Glenn L. Martin Company, Baltimore and Middle River, Md., assignor to The United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed Sept. 20, 1949.

Marvinol

Applicant claims ownership of Registration No. 410,472.
For Synthetic Resinous Compositions for Further Use in the Industrial Arts.
Claims use since June 14, 1949.

Ser. No. 588,201. Carand Corporation, Racine, Wis. Filed Nov. 23, 1949.

TAPEAWAY

For Adhesive Tape Remover.
Claims use since Nov. 2, 1949.

Ser. No. 588,918. Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed Dec. 14, 1949.

DPi

The lining appears in the trade-mark as used in commerce and is not a symbolical representation of color.
For Monoesters of Polyhydric Alcohols.
Claims use since July 13, 1948.

Ser. No. 594,581. Plant Protection Limited, Yalding, England. Filed Mar. 24, 1950.

AGROX

Applicant claims ownership of British Registration No. 643,915, dated Jan. 18, 1946.
For Insecticides and Fungicides Being Chemical Substances Used in Agriculture for the Control of Seed Borne Diseases of Cereals.

Ser. No. 595,996. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed Apr. 19, 1950.

Fasco

For Agricultural Pesticides, Including Insecticides, Fungicides, and Herbicides.
Claims use since 1928.

Ser. No. 595,997. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed Apr. 19, 1950.

Ideal

For Agricultural Pesticides, Including Insecticides, Fungicides, and Herbicides.
Claims use since 1924.

Ser. No. 595,998. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed Apr. 19, 1950.

Seminole

For Agricultural Pesticides, Including Insecticides, Fungicides, and Herbicides.
Claims use since 1935.

Ser. No. 597,788. Stanley Home Products, Inc., Westfield, Mass. Filed May 19, 1950.

STANHOME
A STANLEY HOME PRODUCT

The wording "A Stanley Home Product" is disclaimed.
For Chemical Disinfectant Used To Destroy Microorganisms, Deodorant for Neutralizing or Destroying Offensive Odors, Air Deodorant, Moth Cakes, Bowl Deodorant, Deodorizing Crystals, Refrigerator Deodorizers, and Insecticides in Liquid Form.
Claims use since Mar. 22, 1950.

Ser. No. 599,411. American Potash & Chemical Corporation, New York, N. Y. Filed June 20, 1950.

TRONABOR

Applicant claims ownership of Registrations Nos. 306,280, 312,963, and 326,016.
For Borates in Crystalline, Granular, and Powdered Form.
Claims use since May 18, 1950.

Ser. No. 600,001. Verona Chemical Company, Newark, N. J. Filed June 29, 1950.

CYCLAMAL

Applicant claims ownership of Registration No. 272,127.
For Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts.
Claims use since Mar. 24, 1938.

Ser. No. 600,294. Lever Brothers Company, New York, N. Y. Filed July 6, 1950.

SOLIUM

For Chemical Preparation Used as a Brightener To Make White Textiles Whiter and Colored Textiles Brighter.
Claims use since Aug. 26, 1947.

Ser. No. 600,389. National Cylinder Gas Company, Chicago, Ill. Filed July 8, 1950.

CASILITE

For Chemical Preparation for Use in the Purification of Sugar-Bearing Solutions.
Claims use since December 1948.

Ser. No. 600,423. Ehrhart & Arthur, Inc., doing business as Productol Company, Los Angeles, Calif. Filed July 10, 1950.

PRODUCTOL

For Cresylic Acid.
Claims use since June 22, 1948.

Ser. No. 600,476. Franklin Research Company, Philadelphia, Pa. Filed July 11, 1950. (Sec. 2f.)

FRANKLIN'S

For Wax Emulsions for the Preservation and Improvement in Appearance of Fruits, Vegetables, Nuts, Root Crops, and Other Edibles.
Claims use since 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 590,230. Lektrolite Corporation, New York, N. Y. Filed Dec. 31, 1949.



The words "Wherever The Four Winds Blow" are disclaimed.
For Cigarette Lighters of the Catalytic Type, and Parts for Cigarette Lighters.
Claims use since Aug. 8, 1947.

Ser. No. 602,185. Austam Manufacturing Corp., New York, N. Y. Filed Aug. 15, 1950.

KARAT

For Cigarette Lighters.
Claims use since January 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 585,274. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Sept. 24, 1949. (Sec. 2f.)

DU PONT

Applicant claims ownership of Registrations Nos. 133,238, 155,407, 309,804, and 366,851.
For Shaped Explosive Charges Which Are High Explosive Charges So Shaped That Upon Detonation the Explosive Gases Act Upon a Portion of the Container To Form a Jet of High Velocity Fragments of Great Penetrating Power.
Claims use since Apr. 8, 1947.

CLASS 11

INKS AND INKING MATERIALS

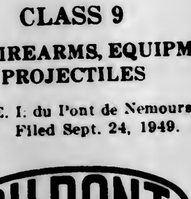
Ser. No. 591,724. Frawley Corporation, San Francisco, Calif. Filed Jan. 31, 1950.

Paper Mate

For Ball Point Pen Inks and Fountain Pen Inks.
Claims use since July 6, 1949.

Ser. No. 599,148. Binney & Smith Company, New York, N. Y. Filed June 15, 1950. (Sec. 2f.)

GOLD



MEDAL

Applicant claims ownership of Registrations Nos. 253,002 and 236,046.
For Block Printing Ink.
Claims use since 1934.

Ser. No. 600,654. Fine Colors Company, Paterson, N. J. Filed July 14, 1950.

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For Lakes and Dry Colors for the Manufacture of Lithographic and Printing Inks.
Claims use since May 26, 1917.

Ser. No. 602,455. Interchemical Corporation, New York, N. Y. Filed Aug. 19, 1950.

IN-TAG.

Applicant claims ownership of Registration No. 279,370.
For Printing Inks Comprising Intaglio-Printing Inks, Gravure Printing Inks, Steel-Die Inks, Offset Printing Inks, Varnishes for Use in Inks, and Dry Colors for Use in Inks.
Claims use since Mar. 1, 1929.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 561,679. Nopco Chemical Company, Harrison, N. J. Filed July 19, 1948.

ERTRANE

For Surface Active Agent as Additive for Portland and Masonry Cements to Impart Plasticity and Air-Entraining Properties Thereto.
Claims use since Apr. 1, 1948.

Ser. No. 565,386. King A. Steen, doing business as The Gist-O Company, Marshes Siding, Ky. Filed Sept. 17, 1948.

GIST-O

For Ready Mixed Masonry Mortar.
Claims use since July 24, 1948.

Ser. No. 565,604. Aktiebolaget Scharins Söner, Stockholm, Sweden. Filed Sept. 22, 1948.

UNITEX

Applicant claims ownership of Swedish Registration No. 51,803, dated May 4, 1939.
For Insulating Building Boards, Wall Boards.

Ser. No. 570,350. The Alumiline Corporation, Brooklyn, N. Y. Filed Dec. 11, 1948.

EXTRUD-A-LINE

No claim is made to the word "Line." Applicant claims ownership of Registration No. 353,491.
For Window Frames and Door Frames.
Claims use since Aug. 23, 1948.

Ser. No. 582,001. Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Filed July 14, 1949.

TENNESEAL

Applicant claims ownership of Registration No. 211,442.
For Steel Roofing and Siding Sheets.
Claims use since July 1935.

Ser. No. 588,480. Coast Paint and Chemical Co., Los Angeles, Calif. Filed Nov. 29, 1949.

PLASTI-WELD

For Plastic Compound Adapted as a Crack Filler.
Claims use since Oct. 4, 1949.

Ser. No. 597,429. Ayer-McCarel-Reagan Clay Company, Brazil, Ind. Filed May 15, 1950.

ARMCRE

For Clay Under Drainage Blocks for Use in Waste Treatment Plants.
Claims use since June 1937.

Ser. No. 597,683. Holoplast Limited, New Hythe, near Maidstone, Kent, England. Filed May 18, 1950.

CORROPLAST

Applicant claims ownership of British Registration No. 681,189, dated July 20, 1949.
For Panels Formed of Synthetic Resin and Adapted for Use as Roof Sheeting and Side Walls of Buildings.

Ser. No. 600,104. Zonolite Company, Chicago, Ill. Filed June 30, 1950.

Zonafloor

Applicant claims ownership of Registrations Nos. 216,862 and 507,940.
For Lightweight Insulating Wall, Floor, Ceiling, or Roof Board.
Claims use since December 1948.

Ser. No. 600,105. Zonolite Company, Chicago, Ill. Filed June 30, 1950.

Zonaroof

Applicant claims ownership of Registrations Nos. 216,862 and 507,940.
For Lightweight Insulating Wall, Floor, Ceiling, or Roof Board.
Claims use since December 1948.

Ser. No. 600,106. Zonolite Company, Chicago, Ill. Filed June 30, 1950.

Zonaslab

Applicant claims ownership of Registrations Nos. 216,862 and 507,940.
For Lightweight Insulating Wall, Floor, Ceiling, or Roof Board.
Claims use since December 1948.

Ser. No. 600,107. Zonolite Company, Chicago, Ill. Filed June 30, 1950.

Zonatile

Applicant claims ownership of Registrations Nos. 216,862 and 507,940.
For Lightweight Insulating Wall, Floor, Ceiling, or Roof Board.
Claims use since December 1948.

Ser. No. 600,108. Zonolite Company, Chicago, Ill. Filed June 30, 1950.

Zonawall

Applicant claims ownership of Registrations Nos. 216,862 and 507,940.
For Lightweight Insulating Wall, Floor, Ceiling, or Roof Board.
Claims use since December 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 511,817. The Imperial Brass Manufacturing Company, Chicago, Ill. Original filed, act of 1905, Oct. 31, 1946; amended to application under act of 1946, Principal Register, July 15, 1948.

DIASEAL

The word "Seal" is disclaimed.
For Diaphragm Type Valves Particularly Useful in Refrigerating Systems—Namely, Shut-Off Valves, Angle Shut-Off Valves, and Line Shut-Off Valves.
Claims use since June 1946.

Ser. No. 526,190. Bijur Lubricating Corporation, Long Island City, N. Y. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, July 20, 1950. (Sec. 2f.)

BIJUR

Applicant claims ownership of Registration No. 280,010.

For Copper and Brass Tubing, Flap Valves, Spring Return Valves and Couplings, To Be Sold Individually as Copper and Brass Tubing, Flap Valves, Spring Return Valves and Couplings, or as Replacement Parts or as a Part of a Complete Lubricating System or Installation for Automotive Machinery, Printing Presses, Accounting Machines, Textile Machinery, Machine Tools, Sewing Machines, Motion Picture Projectors, Bread Making Machinery and Other Tools, Mechanisms, Machines and Equipment and the Like.

Claims use since January 1923.

Ser. No. 563,275. Packard Manufacturing Company, Jacksonville, Fla. Filed Aug. 12, 1948.

PERMA-PORE

The word "Pore" is disclaimed.

For Porcelain Plumbing Supplies—Namely, Bath Tubs, Sinks, Hoppers and Tanks, Urinals, Bidets, and Spigots.

Claims use since Dec. 9, 1939.

Ser. No. 570,641. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 16, 1948.

FARM MASTER

The word "Farm" is disclaimed. Applicant claims ownership of Registration No. 421,415.

For Plumbing Connected Dairy and Hog Drinking Bowls, Float Valves, Water and Milk Strainers, Wire Fencing, Barbed Wire, Steel Fence Posts, Metal Fence Gates, Nails, Stanchions for Confining Stock Animals in Stalls, and Bull Rings.

Claims use since July 15, 1940.

Ser. No. 585,046. Paul L. Adams, doing business as Toughbuoy Co., Dubuque, Iowa. Filed Sept. 20, 1949.

TOUGHBUOY

For Floats for Valves in Water Closet Installations.

Claims use since Sept. 7, 1949.

Ser. No. 585,911. Berkeley Industries, Jersey City, N. J. Filed Oct. 7, 1949.

SPACE-X-PANDER

No claim is made to "X-pander."

For Racks for Mounting Onto a Wall, Door or Other Support for Clothes, as Hats, Shoes, Trousers, Shirts, Coats, Belts, Four-in-Hand Neckties and Bow-Ties; for Linens, as Towels, Blankets, and Napkins; for Kitchen Utensils, as Pots, Pans, and Trays; for Sporting Goods as Golf Bags and Tennis Rackets; for Umbrellas and Canes; for Table and Chair Pads; for Magazines, Newspapers and Books; for Ear Rings; for Spectacles; for Hand Bags and Pocket Books.

Claims use since Sept. 2, 1949.

Ser. No. 586,353. Interlock Corporation, Philadelphia, Pa. Filed Oct. 15, 1949.



The mark shows three plugs grouped in triangular arrangement with the pole elements of the plugs interlocking one another.

For Coupling and Releasing Type Fasteners for General Application, Buckles, Clamps, Clasps, Hooks and Hitches as Used for Tethering Cattle.

Claims use since May 25, 1949.

Ser. No. 590,883. Cochrane Corporation, Philadelphia, Pa. Filed Jan. 14, 1950. (Sec. 2f.)

COCHRANE

For Multiport, Back-Pressure, Flow, Boiler Blow-Off, Drainer, Float, and Relief Valves, Separators for Use in Pipe Lines for Removing Oil or Water From Steam or Air, Exhaust Heads for Steam and Pipe Fittings Having Sight Glasses Therein.

Claims use since January 1910.

Ser. No. 599,083. Consolidated Western Steel Corporation, Los Angeles, Calif. Filed June 14, 1950. (Sec. 2f.)

TRUMBLE

For Gas and Oil Separators Commonly Known as Gas Traps.

Claims use since 1914.

Ser. No. 600,533. Cornell Manufacturing Co., New York and Long Island City, N. Y. Filed July 12, 1950. (Sec. 2f.)

Judy CORNELL PRODUCTS

The words "Quality" and "Products" are disclaimed.

For Airplane and Machine Parts—Namely, Screws, Bolts, and Nuts.

Claims use since Oct. 5, 1942.

Ser. No. 601,094. Chicago Towel Company, Chicago, Ill. Filed July 22, 1950.

Tissue-Matic

The word "Tissue" is disclaimed.

For Toilet Tissue Dispensers Adapted To Be Affixed to a Wall or Other Support, and To Hold and Dispense Toilet Tissue.

Claims use since June 27, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 558,253. Seidlitz Paint & Varnish Company, Kansas City, Mo. Filed June 1, 1948. (Sec. 2f.)

MultiTint

Applicant claims ownership of Registration No. 414,376.

For Paint in Paste or Semi-Paste Form, Varnish, and Lacquer.

Claims use since Apr. 22, 1944.

Ser. No. 573,886. McCormack-Medl Corporation, Philadelphia, Pa. Filed Feb. 15, 1949.



The drawing and specimens show that the color red is used on one of the plumes of the knight's helmet, on the tulle worn by the knight, on the saddle blanket of the horse, on the horse blanket of the horse, and on the face of the letters MCM.

For Exterior and Interior Paints To Be Applied to Wood, Metal, Masonry and Composition Surfaces; and for Oleoresinous, Synthetic and Lacquer Coatings.

Claims use since November 1946.

Ser. No. 575,831. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Filed Mar. 22, 1949.



The mark consists of the letters "G. S." with a rampant horse supporting same. Applicant claims ownership of Registration No. 131,621.

For Colors for Paints.

Claims use since Apr. 1, 1889.

Ser. No. 578,831. The Sherwin-Williams Company, Cleveland, Ohio. Filed May 13, 1949.

KEM GLO

The word "Glo" is disclaimed. Applicant claims ownership of Registrations Nos. 274,744, 275,775, and 518,349.

For Ready-Mixed Paint for Use on All Types of Surfaces.

Claims use since July 30, 1948.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 567,660. Star Pharmacal Co. Inc., Chicago, Ill. Filed Oct. 26, 1948.



The drawing is lined for color red, however, color is not claimed as an essential characteristic of the mark.

For Medicinal Cream Preparation for Relief and Prevention of Diaper Rash and Skin Irritations.

Claims use since Mar. 1, 1947.

Ser. No. 573,602. Allied Products Company, St. Louis, Mo. Filed Feb. 10, 1949.

GLUCAMINE

For Liquid Medicinal Feeding Preparation, Orally Administered in the Treatment of Certain Alimentary Ailments Such as Ulcers, and for Use in Pre-Operative, Post-Operative, and Other Cases Requiring Quickly Assimilable Protein and Carbohydrate Administration, the Preparation Consisting Predominantly of Amino Acids and Glucose.

Claims use since May 9, 1947.

Ser. No. 574,932. Stanley Drug Products, Inc., Portland, Oreg. Filed Mar. 4, 1949.



The drawing is lined to indicate the color navy blue and the unshaded portion indicates white. The facial representation as a feature of the work is fanciful. Applicant claims ownership of Registration No. 366,203.

For Douche Antiseptic and Deodorant Germicidal Powders and Suppositories and Hygienic Jellies.

Claims use since December 1943.

Ser. No. 575,520. Atlantic Biochemical Laboratories, Inc., Concord, N. H. Filed Mar. 16, 1949.

PROLYNAL

For Sedative and Hypnotic Preparation to Relieve Pain and Induce Sleep.

Claims use since Mar. 11, 1949.

Ser. No. 576,765. Mylan M. Mikulas, doing business as Mylan's Pharmacy, San Francisco, Calif. Filed Apr. 7, 1949.

OF
MYN

For Medicinal Preparation Used in the Treatment of Athlete's Foot, for Multivitamin Tablets, for "B" Complex Tablets.

Claims use since July 1945.

Ser. No. 579,150. G. W. Carnrick Co., Newark, N. J. Filed May 17, 1949.

ERYTHROCHROMIN

For Hematinic for Treatment of Anemias.

Claims use since Mar. 8, 1949.

Ser. No. 582,005. Euginio De Vincentis, Derby, Conn. Filed July 14, 1949.



For Medicinal Preparation for the Treatment of Burns.

Claims use since Mar. 1, 1949.

Ser. No. 584,001. Imperial Chemical (Pharmaceuticals) Limited, Slough, Buckinghamshire, England. Filed Aug. 25, 1949.

ANTRYCIDE

Applicant claims ownership of British Registration No. 657,287, dated Mar. 14, 1947, and United States Registration No. 405,479.

For Pharmaceutical Substances for Human and Veterinary Use for the Treatment of Trypanosomiasis.

Ser. No. 598,975. Armour and Company, doing business under the trade style Armour Laboratories, Chicago, Ill. Filed June 13, 1950.

ADACTAR

For Adrenocorticotropic Composition.

Claims use since Mar. 21, 1950.

Ser. No. 599,733. Abbott Laboratories, North Chicago, Ill. Filed June 26, 1950.

BI-SORLATE

Applicant claims ownership of Registration No. 522,361.

For Oral Preparation Intended to Increase the Absorption of Fat in the Human Body.

Claims use since June 14, 1950.

Ser. No. 599,871. Charles C. Haskell & Co., Inc., Richmond, Va. Filed June 28, 1950.

COTETRIN

For Analgesic, Antihistamine Compound.

Claims use since June 19, 1950.

Ser. No. 599,980. Kegan Sarkisian, doing business under the name and style of Kegan Laboratory, Englewood, N. J. Filed June 29, 1950.

phylojel

For Extract Used as a Medicine Tonic for Animal Use.

Claims use since Aug. 1, 1949.

Ser. No. 600,042. Casimir Funk Laboratories, Inc., New York, N. Y. Filed June 30, 1950.

THEENITATE

For Medicinal Preparation for Use in the Treatment and Amelioration of Hypertension.

Claims use since June 16, 1950.

Ser. No. 601,838. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 7, 1950.

DOXERONE

The drawing is lined for red.

For Medical Preparation—Namely, an Injectable Solution of Desoxycorticosterone Acetate for Treatment of Certain Glandular Deficiencies.

Claims use since June 2, 1950.

Ser. No. 602,633. A. H. Robins Company, Inc., Richmond, Va. Filed Aug. 23, 1950.

DONNADEX

For Antispasmodic Preparation.

Claims use since July 14, 1950.

Ser. No. 606,810. A. H. Robins Company, Inc., Richmond, Va. Filed Nov. 22, 1950.

ROBALATE

For Antacid Preparation.

Claims use since Nov. 3, 1950.

CLASS 19

VEHICLES

Ser. No. 500,620. Marmon-Herrington Company, Inc., Indianapolis, Ind. Original filed, act of 1905, Apr. 20, 1946; amended to application under act of 1946, Principal Register, Aug. 14, 1947. (Sec. 2f.)

MARMON-HERRINGTON

For Automobiles, Busses, Automotive Trucks, Boat Trailers, Airplane Refueling Trucks, Cargo Unit Trucks, Prime Movers, Mortar Motor Carriages, Personnel Carriers, Heavy Bomber Transporting Trucks, Ammunition and Personnel Carriers, Truck and Tank Carrying and Retrieving Trailers, Military Supply Trailers, Reconnaissance Cars, Army Training Cars, Squad Cars, Jeeps, Wrecking and Recovery Trucks, Scout Cars, Ambulance Cars, Mobile Machine Shop Trucks, Observation Trucks, Amphibian Cars, Trucks on Which Winches Are Mounted, Crash Trucks, Trucks Having Wheels With Pneumatic Tires in Front and Having Cogged Wheels With Caterpillars in the Rear.

Claims use since June 30, 1931.

Ser. No. 519,702. St. John & Co., Chicago, Ill. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Jan. 29, 1949. (Sec. 2f as to "St. John.")



For Trucks for Use in Meat Packing Houses; Truck Casters; Composite Wheels for Industrial Trucks; Iron, Steel and Wood Track Wheels; and Tub and Container Dollies.

Claims use since Jan. 8, 1944, on the mark as shown; and since 1926 on the word "St. John."

Ser. No. 584,637. The Permold Company, Medina, Ohio. Filed Sept. 9, 1949.

perMold

Applicant claims ownership of Registrations Nos. 159,386 and 404,109.

For Cast Metallic Brake Parts and Wheels for Automobiles, Trucks, Trailers, and Aircraft.

Claims use since August 1942.

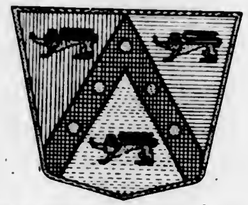
Ser. No. 590,013. Dixie Tallyho, Inc., Fairburn, Ga. Filed Dec. 28, 1949.

Dixie Tallyho

For Removable Passenger Carrying Unit for Open Truck Bodies.

Claims use since Aug. 1, 1949.

Ser. No. 596,335. Ford Motor Company, Dearborn, Mich. Filed Apr. 26, 1950.



The drawing is lined for color: the border, roundels and lions being silver, the inverted "V" black, and the three triangular sections red, blue, and grey, respectively.

For Automobiles.

Claims use since Nov. 18, 1949.

Ser. No. 599,895. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Filed June 28, 1950.

WEATHER EYE

For Motor Vehicle Heaters and Air Conditioners.

Claims use since October 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 520,548. Edgar M. Butler, doing business as Butler Engineering Company, New Orleans, La. Original filed, act of 1905, Apr. 12, 1947, amended to application, under act of 1946, Principal Register, Oct. 25, 1947. (Sec. 2f.)

De-Scaler

For Self-Energizing Galvanic Couple Comprising an Anode and Cathode of Dissimilar Metals for Dissolving Boiler Scale and Preventing Further Formation of the Same.
Claims use since Jan. 3, 1939.

Ser. No. 523,736. Benjamin Electric Manufacturing Company, Des Plaines, Ill. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 13, 1948. (Sec. 2f.)

Turnlox

For Reflectors and Reflector Hoods for Electric Lights.
Claims use since July 1929.

Ser. No. 557,381. North American Philips Company, Inc., Dobbs Ferry, N. Y. Filed May 19, 1948.

FERROXCUBE

For Electro-Magnetic Cores for Use in Transformers and Inductances.
Claims use since May 6, 1947.

Ser. No. 559,808. Omnipol, Limited Company, also named Omnipol Akciova, Prague, Czechoslovakia. Filed June 12, 1948.

OMNIPOL

Applicant claims ownership of Czech Registration No. 72,753-Praha, dated Aug. 7, 1941.
For Electrical Apparatus—Namely, Electric Resistors; Condensers; Capacitors; Rheostats; Trimmer Condensers; Frequency Modulators; Absorption Modulators; Anode Modulators; Choke Modulators; Grid Modulators; Magnetic Modulators; Radio Potentiometers; Current Limiters; Fuses; Switches; Loudspeakers; Transformers; Inductors; Choke Coils; Radio Signal Receptors, Detectors and Recorders; Circuit Breakers; Contactors; Electrical Connection Fittings; Jacks; Plugs; Joints; Clips; Electric Wires and Filaments; Electric Cables; Electric Screws and Screen Grids; Wave Traps; Cable Terminals; Cable Boxes; Mica Plates Used as Dielectrics; Photo-Electric Cells; Incandescent Electric Lamps; Thermionic Tubes; Cathode Ray Tubes; Thermionic Rectifiers; Discharge Tubes; Glow Tubes; Phosphorescent Socket Plates; Fluorescent Lamps; Microphones; Radio and Television Receivers; Transmitters and Amplifiers and Parts Thereof; Telephone and Telegraph Apparatus and Parts Thereof; Radio and Television Antennae; Electrical Phonographs and Radio Phonograph Combinations; Electric Batteries; Dry Cells and Dry Batteries; Machines for Electrical Welding and Parts Thereof; Carbon Electrodes; Electric Shortwave and Ultra-Short Wave Receivers and Transmitters; Electric Current Rectifiers; Electro-Magnetic Relays; Electric Heating Elements; Electric Space and Water Heaters; Electric Heating Pads for General Use; Electric Motors and Generators; Electric Circulating Fans; Electric Stoves and Ranges; Electric Blower Type Sprayers; Electric Soldering Irons; Electric Pressing Irons; Portable Hand Operated Electric Tools—Namely, Hammers, Grinders, Drills, Screw Drivers, Reamers, Cutters, and Saws.

Ser. No. 567,024. Johnson Fare Box Company, Chicago, Ill. Filed Oct. 15, 1948.

ANTI JACK POT

For Locking Relays and Electrical Apparatus for Operating Same.
Claims use since Aug. 10, 1946.

Ser. No. 575,676. Floyd I. Smith, doing business as Aquafine Co., Los Angeles, Calif. Filed Mar. 18, 1949.

AQUAFINE

For Sterilizers Utilizing Ultra-Violet Radiation.
Claims use since Apr. 2, 1948.

Ser. No. 578,692. Hoffman Radio Corporation, Los Angeles, Calif. Filed May 12, 1949.

SCAN O RAMIC

The term "Scan" is disclaimed.
For Television Receiving Sets.
Claims use since Mar. 3, 1949.

Ser. No. 578,777. Cutler-Hammer, Inc., Milwaukee, Wis. Filed May 13, 1949. (Sec. 2f.)

CUTLER-HAMMER

Applicant claims ownership of Registrations Nos. 344,863, 345,447, and 430,190.
For Electrical Control Apparatus, Electrical Machines, and Electrical Supplies, Consisting of: Controllers for Dynamo-Electric Machines—to Wit: Starting, Stopping, Reversing, and Speed Regulating Apparatus for Motors, and Voltage and Current Regulating Apparatus for Generators, and Like Control Apparatus for Rotary Converters; Current Breakers; Magnetic Brakes for Various Types of Machines; Lifting and Separating Magnets and Controls Therefor; Electrical Panelboards and Multi-Breakers; Solenoids, Safety Switches, Meter Service and Entrance Switches; Float and Pressure Switches; Insulating Bases and Supports for Switches and the Like; Controllers and Driving Units for Valves Requiring Rotation of an Element Thereof; Solenoid-Operated Valves; Fuse Panels; Terminal Lugs; Wiring Fixtures and Conduit Fittings Comprising Switches, Switch Boxes and Covers, Attachment Plugs, Taps, Receptacles, Lamp Sockets, and Cord Connectors; Elevator Control Apparatus, Consisting of Limit Switches, Door Switches, Transfer Switches, and Floor Selector Switches; Speed Regulating and Other Current Control Resistors; Rheostats; Relays; Contactors; Switch Panels; Control Panels; Push Button Switches for Machine Tool Controllers; Motor Starters; Speed Controllers and Regulators Especially Adapted for Marine Service; Resistance Units for Electric Space Heaters; Industrial Type Electric Heaters; Ovens and Immersion Type Electric Water Heaters; Surface Units and Oven Units for Electric Ranges; Theater and Spotlight Dimmers; Battery Chargers; Starters and Speed Regulators for the Electric Motors of Fire Pumps, Printing Presses, Paper Making Machines, Oil Well Drillers and Pumps; Crane and Hoist Controls; Electrical Controls for Diesel Locomotives; Circuit Controllers of the Electronic Type; Electric Welding Controllers; and Circuit Controllers for Electric Refrigerators.
Claims use since Aug. 12, 1893.

Ser. No. 587,117. National Die Casting Company, Chicago, Ill. Filed Nov. 1, 1949.

HeatKing

The word "Heat" is disclaimed.
For Portable Electric Space Heaters and Parts Thereof.
Claims use since 1938.

Ser. No. 590,758. Permoflux Corporation, Chicago, Ill. Filed Jan. 12, 1950.

Permoflux

Applicant claims ownership of Registrations Nos. 333,435, 410,450, and 410,463.
For Electrically Operated Dictating Machines for Office and General Purpose Use.
Claims use since Oct. 31, 1949.

Ser. No. 595,862. Telrex, Inc., Asbury Park, N. J. Filed Apr. 17, 1950.

D-OX

For Radio and/or Television Antennas.
Claims use since Mar. 1, 1950.

Ser. No. 599,634. The Hertner Electric Company, Cleveland, Ohio. Filed June 23, 1950.

CHARG-Hertner-MATIC

The terms "Charg" and "Hertner" are disclaimed.
For Battery Charging Apparatus.
Claims use since June 16, 1949.

Ser. No. 600,901. McGraw Electric Company, Elgin, Ill. Filed July 19, 1950.



Applicant claims ownership of Registration No. 434,138.
For Electrical Appliances—Namely, Automatic Pop-Up Toasters, Water Heaters, Coffee Makers, Waffle Bakers, Flatirons, and Roll and Food Warmers.
Claims use since Jan. 27, 1950.

Ser. No. 601,324. Gold Seal Co., Inc., Charlotte, N. C. Filed July 27, 1950.

DIANA

For Television Receiving Sets.
Claims use since July 12, 1950.

Ser. No. 601,442. Knapp-Monarch Company, St. Louis, Mo. Filed July 29, 1950.

Copper-Magik

The word "Copper" is disclaimed. Applicant claims ownership of Registration No. 290,497.
For Electric Sadirons.
Claims use since Oct. 1, 1949.

Ser. No. 603,161. Meletron Corporation, Los Angeles, Calif. Filed Sept. 5, 1950.

MELETRON

For Rotary Selector Switches, Pressure and Vacuum Operated Switches, and Solenoid Operated Valves.
Claims use since Aug. 1, 1945.

Ser. No. 604,913. Knapp-Monarch Company, St. Louis, Mo. Filed Oct. 14, 1950.

KEMCO

For Electrical Appliances—Namely, Toasters.
Claims use since Sept. 1, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 554,318. John L. MacAllister, doing business under the name of Dun-Wel Industries, Los Angeles, Calif. Filed Apr. 10, 1948.

Dun-Wel

For Fishing Leaders.
Claims use since Feb. 1, 1948.

Ser. No. 589,132. Lee Wulff, Shushan, N. Y. Filed Dec. 9, 1949.

Lee

The mark shown on the drawing is part of the autograph of the applicant.
For Artificial Lures and Flies and Kits Containing Parts From Which the Artificial Lures and Flies Are Made.
Claims use since July 1, 1949.

Ser. No. 601,810. South Bend Bait Company, South Bend, Ind. Filed Aug. 5, 1950.

EXPLORER

For Artificial Fishing Baits and Lures.
Claims use since July 26, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 539,671. Dexter Folder Company, Pearl River, N. Y. Filed Oct. 31, 1947. (Sec. 2f.)

DEXTER

Applicant claims ownership of Registration No. 152,386.
For Sheet Feeding Machines and Parts Thereof—Namely, Sheet Lifting Sucker Rubbers; Sheet Folding Machines; Machines for Visual Inspection of Sheets and Quality Sorting Thereof by the Operator; Signature Inserting, Covering, and Wire Stitching Machines; Signature Gathering Machines; Signature Gathering and Wire Stitching Machines; Signature Gathering, Wire Stitching and Covering Machines; Book Covering Machines; Binding Machines for Books, Catalogues, and the Like; Wrapping and Addressing Machines for Magazines, Catalogues, and the Like; Cutting and Trimming Machines for Stacks of Paper and the Like; Hydraulic Pile Elevators or Lifts; Pile Elevator Deliveries; Stripping Machines for Drying Ovens for Metallic Sheets; and Air and Vacuum Pumps.
Claims use since 1880.

Ser. No. 542,233. Metal Specialties Manufacturing Co., Chicago, Ill. Filed Aug. 19, 1947.

PRESTO

Applicant claims ownership of Registration No. 396,114.
For Stapling Machines, Staple Removers, Paper Punches, Check Protectors, and Paper-Holding Spindles.
Claims use since Aug. 10, 1935.

Ser. No. 546,759. The Century Machine Company, Cincinnati, Ohio. Filed Jan. 12, 1948.

Century

For Cake Mixers, Cookie Droppers, Panning Conveyors, Flat Belt Extension Apparatus for Belt Conveyors, Loaf Molders, Overhead and Floor Type Loaf Proofers, Rounders, Dough Dividers With Conveyor Discharges, Combination Dough Dividers and Sealers, High Speed Dough Mixer Conditioners, Flour Storage Elevators and Sifters.
Claims use since Dec. 1, 1918.

Ser. No. 560,141. Aktiebolaget Svetsmekano, Gothenburg, Sweden, assignee of Verkstadsaktiebolaget Haldex. Filed June 24, 1948.

PULLMAX

For Metal Plate Shearing and Cutting Machines.
First used in 1936 in Sweden; and first used in commerce between Sweden and the United States, which may lawfully be regulated by Congress, on Jan. 15, 1948.

Ser. No. 569,294. Plomb Tool Co., Inc., J. P. Danielson Division, Jamestown, N. Y. Filed Nov. 23, 1948. (Sec. 2f as to "Bet'r.")

BET'R-GRIP

The word "Grip" is disclaimed. Applicant claims ownership of Registration No. 339,680.
For Wrenches.
Claims use since 1933.

Ser. No. 570,680. The Ambory Corporation, Hazel Park, Mich. Filed Dec. 17, 1948.

Drainalator

For Drain Cleaners of the Water Pressure Type.
Claims use since Apr. 1, 1937.

Ser. No. 572,874. Stewart-Warner Corporation, Chicago, Ill. Filed Jan. 26, 1949.



In the drawing, the shading indicates the color red.
For Lubricant Dispensing Pumps of the Non-Self-Measuring Type for Use in Servicing Machinery and Vehicles.
Claims use since Oct. 1, 1948.

Ser. No. 580,444. Vital Products Manufacturing Company, Cleveland, Ohio. Filed June 14, 1949.

Cookie-Chef

The word "Cookie" is disclaimed.
For Piston-Type Gun for Dispensing Pastry Dough and Like Substance.
Claims use since May 11, 1949.

Ser. No. 589,835. The Cincinnati Mine Machinery Co., Cincinnati, Ohio. Filed Dec. 23, 1949. (Sec. 2f.)

DUPLEX

For Cutter Chain, Cutter Chain Block, Bit Holder, Bit Stop, and Cutter Bits for Mining.
Claims use since Apr. 17, 1933.

Ser. No. 594,730. Schweizerische Werkzeug-Industrie-gesellschaft Gebr. Levailiant, Basel, Switzerland. Filed Mar. 27, 1950.

SISO

Applicant claims ownership of Swiss Registration No. 74,581, dated Mar. 20, 1931.
For Hand Tools—Namely, Metal Saws, Circular Saws, and Blades for Such Saws; Pliers; Pincers; Needle-Files; Precision Files; Small Cutters; Watch Maker's Tools; Taps and Drills; Twist Drills and Broaches.

Ser. No. 596,842. Grey Iron Casting Company, Mount Joy, Pa. Filed May 4, 1950.



For Can Openers, Fish Scalers, Grindstone Fixtures—Namely, Axle, Rollers, Mounts, Discs, Handles and Housing Therefor, Hammers, Hatchets, Ice Crushers, Ice Shaves, Lobster Crackers, Meat Pounders, Mincing Knives, Nut Crackers, Pliers, Shears, Tin Snips, and Vises.
Claims use since 1920.

Ser. No. 598,517. Balkamp, Inc., Indianapolis, Ind. Filed June 3, 1950. (Sec. 2f.)

MicroTest

Applicant claims ownership of Registration No. 421,231.
For Matched and Fitted Ring and Pinion Gears and Automotive Splined Axles.
Claims use since June 1, 1943.

Ser. No. 598,780. Balin Export Company, Inc., New York, N. Y. Filed June 8, 1950.

ELITE

For Sewing Machines.
Claims use since Apr. 7, 1950.

Ser. No. 601,919. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Aug. 8, 1950.

PATROL

For Dusters, Applicators and Diffusors, for Use in Connection With Insecticides and Fungicides.
Claims use since Dec. 31, 1930.

Ser. No. 602,432. Ajax Machine Company, Boston, Mass. Filed Aug. 19, 1950.



The words "Controlled Stitching by" are disclaimed.
For Stitching Guides for Sewing Machines.
Claims use since Sept. 24, 1948.

Ser. No. 604,625. Dazey Corporation, doing business as Central States Mfg. Co., St. Louis, Mo. Filed Oct. 9, 1950.

SPEEDO

For Hand Operated Kitchen Appliances—Namely, Can Openers and Knife Sharpeners.
Claims use since 1928.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 604,400. Stanley Home Products, Inc., Westfield, Mass. Filed Oct. 3, 1950.

STANHOME
A STANLEY HOME PRODUCT

The wording "A Stanley Home Product" is disclaimed.
For Clothes Washers and Clothespins.
Claims use since Mar. 22, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 548,748. Marine Optical Mfg. Co., Roslindale, Boston, Mass., assignor to Marine Optical Manufacturing Co., Boston, Mass., a corporation of Massachusetts. Filed Feb. 4, 1948. (Sec. 2f as to "Marine.")

Marine

Applicant claims ownership of Registration No. 433,855.
For Sunglasses, Industrial Goggles, Optical Frames, Lenses, and Lens Blanks.
Claims use since 1937 as to the mark "Marine"; since June 19, 1945, as to the double arrow symbol; and since Jan. 2, 1946, as to the mark shown.

Ser. No. 576,657. The Rheostatic Company Limited, Slough, England. Filed Apr. 5, 1949.

SATCHWELL

Applicant claims ownership of British Registrations Nos. 635,598, dated Mar. 8, 1945, and 635,599, dated Mar. 8, 1945.
For Thermally Operated Electric Switches and Thermally Operated Electric Control Circuits.

Ser. No. 578,774. Cutler-Hammer, Inc., Milwaukee, Wis. Filed May 13, 1949. (Sec. 2f.)

CUTLER-HAMMER
C-H

Applicant claims ownership of Registrations Nos. 287,074, 296,970, 344,863, and 345,447.
For Thermostatically Controlled Electrical Switches: Gas Meters; Gas Calorimeters; Apparatus for Controlling, Indicating and Recording the Measuring and Mixing of Gases in Gas Distribution Systems, Including Parts Thereof.
Claims use since Feb. 1, 1936.

Ser. No. 578,776. Cutler-Hammer, Inc., Milwaukee, Wis. Filed May 13, 1949. (Sec. 2f.)

CUTLER-HAMMER

C-H

Applicant claims ownership of Registrations Nos. 287,074, 344,863, 345,447, and 430,190.
For Thermostatically Controlled Electrical Switches; Gas Meters; Gas Calorimeters; Apparatus for Controlling, Indicating and Recording the Measuring and Mixing of Gases in Gas Distribution Systems, Including Parts Thereof.
Claims use since Mar. 13, 1916.

Ser. No. 584,648. Welbilt Stove Company, Inc., Maspeth, N. Y. Filed Sept. 9, 1949.

CONTROL-O-MATIC

The word "Control" is disclaimed.
For Timer Control for Kitchen Ranges.
Claims use since Jan. 1, 1949.

Ser. No. 592,100. Renown Pictures Corporation Limited, London, England. Filed Feb. 7, 1950.

RENOWN PICTURES
RENOWN

No claim is made to the word "Pictures."
For Motion Pictures.
Claims use since October 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 590,417. Belmont International, Inc., New York, N. Y. Filed Jan. 6, 1950.

Colorada

The mark consists of the word "Colorada" written in script style.
For Men's and Women's Watches.
Claims use since Dec. 3, 1946.

Ser. No. 590,877. Henri Bangerter, Reconvilier, Switzerland. Filed Jan. 14, 1950.

Herodia

The representation of a watch dial is disclaimed. Applicant claims ownership of Swiss Registration No. 123,790, dated Feb. 12, 1948.
For Watches and Watch Movements.

Ser. No. 600,672. Granat Bros., San Francisco, Calif. Filed July 14, 1950.

Blossom

For Watches.
Claims use since June 13, 1950.

Ser. No. 601,450. Mastercrafters Clock & Radio Company, Chicago, Ill. Filed July 29, 1950.

Lucky Ranger

For Clocks.
Claims use since Feb. 22, 1950.

Ser. No. 602,692. The Gruen Watch Company, Cincinnati, Ohio. Filed Aug. 24, 1950.

RISTCURVE

For Watches, Watch Cases, and Watch Movements.
Claims use since Aug. 17, 1950.

Ser. No. 603,003. Denver Clock & Watch Corporation, New York, N. Y. Filed Aug. 31, 1950.

Enver

For Clocks and Watches.
Claims use since July 28, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 598,948. Harry H. Field, San Francisco, Calif. Filed June 12, 1950.

Field

For Jewelry and Costume Jewelry for Personal Wear—Namely, Finger Rings, Bracelets, Necklaces, Brooches, Lapel Pins, and Pendants.
Claims use since May 1, 1950.

Ser. No. 599,278. Swank, Inc., Attleboro, Mass. Filed June 16, 1950.

MYSTRI-GRAM

For Belt Buckles Plated With Precious Metal.
Claims use since Apr. 1, 1949.

Ser. No. 599,509. Flex-Let Corporation, East Providence, R. I. Filed June 21, 1950.

Bow-Ette

For Expansion Type Watch Bracelets.
Claims use since June 1, 1950.

Ser. No. 600,504. The National Exchange Club, Toledo, Ohio. Filed July 11, 1950.

UNITY FOR SERVICE · NATIONAL EXCHANGE CLUB ·

The words "Unity for Service" are disclaimed. Applicant claims ownership of Registrations Nos. 159,045 and 266,968.
For Lapel Buttons, Pins and Badges, Cuff Links, Belt Buckles, Tie Pins and Clasps, Bracelets, Finger Rings, and Pendants All Made in Whole of, in Part of, or Plated With Precious Metals.
Claims use since December 1917.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 589,508. Morris Harris, Brooklyn, N. Y. Filed Dec. 17, 1949.

TITAN

For Paint Brushes.
Claims use since Apr. 14, 1948.

Ser. No. 590,822. Nashua Gummed and Coated Paper Company, Nashua, N. H. Filed Jan. 13, 1950.

CLEANATEL

For Wiping and Polishing Cloths.
Claims use since Nov. 10, 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 572,621. Troop Water Heater Company, Pittsburgh, Pa. Filed Dec. 24, 1948.

DURA-STONE

The word "Stone" is disclaimed.
For Water Purifying and Softening Apparatus of the Household Type.
Claims use since 1937.

Ser. No. 572,622. Troop Water Heater Company, Pittsburgh, Pa. Filed Dec. 24, 1948.

GREYSTONE

For Water Purifying and Softening Apparatus of the Household Type.
Claims use since 1942.

Ser. No. 585,790. Filters Incorporated, Passaic, N. J. Filed Oct. 5, 1949.

X-ite

For Filtering Materials—Namely, Fuller's Earth for Treating Oils.
Claims use since Sept. 21, 1949.

Ser. No. 587,020. Gas & Oil Industry Laboratories Incorporated, Irvington, N. J. Filed Oct. 29, 1949.



For Gas Filters for Filtration of Manufactured, Natural and Mixed Gases Used in Heating Appliances.
Claims use since Nov. 9, 1940.

Ser. No. 601,036. Frozen Cow, Inc., New York, N. Y. Filed July 21, 1950.



The word "Frozen" is disclaimed.
For Ice Cream and Custard Freezers, for Storage Cabinets for Ice Cream and Custard, for Refrigerator Coolers for Milk and Cream, for Combination Milk Coolers and Dispensers, for Refrigerated Syrup Dispensers, for Refrigerated Soda Dispensers.
Claims use since Oct. 2, 1947.

Ser. No. 602,033. William R. Lee, Limited, Heywood, England. Filed Aug. 10, 1950.

Leeona

Applicant claims ownership of British Registration No. 627,499, dated Feb. 1, 1944.
For Filter Cloths.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,454. Clifton Manufacturing Company, Waco, Tex. Filed Mar. 1, 1946. (Sec. 2f.)



The drawing is lined for shading purposes only. The representation of the goods and all wording, except the word "Faultless" are disclaimed.
For Venetian Blinds.
Claims use since June 7, 1940.

Ser. No. 535,778. Woodwork Corporation of America, Chicago, Ill. Filed Sept. 25, 1947.



The words "Residential," "Commercial" and "Industrial" are disclaimed.
For Showcases, Counters, Cabinets, Display Racks, Wall-Fixtures, Display Cases, Tables, Desks, Chairs, and Divans, All in the Nature of Furniture.
Claims use since Apr. 8, 1944.

Ser. No. 578,987. John L. Maybaum, doing business as The Fred W. Butler Company, Philadelphia, Pa. Filed May 17, 1949.

DEM - O - VUE

For Demonstration Tables Which Are Equipped With an Overhead Mirror to Reflect a View of Table During Demonstrations.
Claims use since Apr. 27, 1949.

Ser. No. 583,237. The Billings & Spencer Co., Hartford, Conn. Filed Aug. 10, 1949.

MAGIC-CLERK

For Display Racks and Stands.
Claims use since May 5, 1949.

Ser. No. 597,471. Milton T. Smith, doing business as Economy Furniture Upholstery, Austin, Tex. Filed May 15, 1950.



The word "Provincial" is disclaimed.
For Beds, Chests, Desks, Dining Tables, Dining Chairs, Bridge Tables, Captain Chairs, Upholstered Chairs, Upholstered Davenos, Upholstered Rockers, Ottomans, and Occasional Tables.
Claims use since Apr. 8, 1950.

Ser. No. 598,377. David A. McCowan, Inc., Buffalo, N. Y. Filed May 31, 1950.

SELLONSITE

For Merchandise Display Stands and Merchandise Display Cabinets.
Claims use since Mar. 3, 1950.

Ser. No. 599,750. B. T. Crump Company, Inc., Richmond, Va. Filed June 26, 1950.

TELESEAT

For Hassocks.
Claims use since June 6, 1950.

Ser. No. 600,087. Simmons Company, New York, N. Y. Filed June 30, 1950.

Adjusto-Rest

For Bedsprings.
Claims use since June 20, 1950.

Ser. No. 600,136. Gerald C. Madison, doing business as The Bundle Company, Santa Monica, Calif. Filed July 1, 1950.

BUNDLE-TOT

For Service Table for Babies.
Claims use since June 1, 1950.

Ser. No. 600,236. Sun Vertikal Blind Company, Grand Rapids, Mich. Filed July 5, 1950.

SUNGATES

For Window Blinds.
Claims use since June 29, 1950.

Ser. No. 600,453. Slumber Products Corporation, Memphis, Tenn. Filed July 10, 1950.

ACHE-A-WAY

For Mattresses.
Claims use since Apr. 22, 1950.

Ser. No. 600,846. Emil J. Paidar Company, doing business as Theo. A. Kochs Company, Chicago, Ill. Filed July 18, 1950.

Hy-lo-draulic

For Barber Chairs and Beauty Parlor Chairs.
Claims use since Feb. 16, 1929.

Ser. No. 600,918. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The COMET

For Mattresses.
Claims use since January 1926.

Ser. No. 600,919. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The JUPITER

For Mattresses.
Claims use since January 1926.

Ser. No. 600,922. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The PLAZA

For Mattresses.
Claims use since January 1926.

Ser. No. 600,923. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The SANOWET

For Mattresses.
Claims use since March 1942.

Ser. No. 600,926. Shifman Bros., Newark, N. J. Filed July 19, 1950.

The VENUS

For Mattresses.
Claims use since January 1926.

CLASS 33
GLASSWARE

Ser. No. 550,590. Dunbar Glass Corporation, Dunbar, W. Va. Filed Feb. 26, 1948. (Sec. 2f as to the word "Dunbar.")

DUNBAR

For Glass Jugs; Vases; Jars; Sandwich Trays; Cake Stands; Sugar and Cream Sets; Mayonnaise Sets; Cheese and Cracker Dishes; Console Sets; Tumblers; Pitchers; Plates; Trays; Flasks; Bowls; Troughs; Beverage Glasses and Pitchers; Cocktail Shakers; Stem Glasses; Footed Glasses; Martini Mixers; Brandy Inhalers; Saucers; Cups; Center Bowls; Nappies; Salt Shakers; Pepper Shakers; Decanters; Cruets; Casseroles; Vases and Other Glass Containers To Hold Flowers; Wall Plates; Museum Jars for Holding Specimens; Epergnes; Beakers; Protective Meter Covers; Glass Tubing as a Vehicle for the Transportation of Liquids, Gases or Solids; Covers, Castings, Discs, Squares, Rounds, Rings, Spheres and Cylinders for General Use in Industry or for Further Manufacture; Coffee-Makers; Teakettles; Double Boilers; Saucepans; Glass Tableware, Including Heat Resistant Ware; Glass Kitchenware, Including Heat Resistant Ware; Cylinders for Use as Covers; Cylinders for Displays; Flat Glass and Glass Tubing for General Use in Industry or for Further Manufacture; All Being Made of Glass.
Claims use since Nov. 1, 1947, in its entirety; and since July 1, 1923, as to the word "Dunbar" alone.

CLASS 34
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 545,957. The Coleman Company, Inc., Wichita, Kans. Filed Jan. 2, 1948. (Sec. 2f.)

The Sunshine of the Night

Applicant claims ownership of Registration No. 151,380.
For Vapor or Gas Generating Pressure Lamps of the Portable, Pendent, Ceiling, and Wall Types; Vapor, Gas, and Oil Lanterns; Hollow-Wire Lighting Plants and Systems, Urn Burners, Gas Generators and Parts Thereof.
Claims use since Nov. 12, 1919.

Ser. No. 582,601. Ben Cones, doing business under the name and style of Jet Air Cones System, Indianapolis, Ind. Filed July 28, 1949.



The representation of the goods is disclaimed.
For Air Induction and Diffusion Nozzles; Air Ducts; and Duct Dampers, as Units in Heating and Ventilating Systems.
Claims use since July 1, 1949.

Ser. No. 596,985. David Dalin, Milwaukee, Wis. Filed May 6, 1950.



For Heat Exchangers Having Extended Surface Thereon and Used in Steam Generating Plants, Hot Air Furnaces, Oil Heaters, and Wherever Indirect Heat Transfer Is To Take Place Between Fluids Having Different Surface Conductances.
Claims use since Apr. 21, 1950.

Ser. No. 597,570. American Electric Heating Company, Erie, Pa. Filed May 17, 1950.

ELECTRAIR

For Air Conditioning Units—Namely, for Heating, Cooling, and Humidification.
Claims use since Mar. 21, 1950.

CLASS 37
PAPER AND STATIONERY

Ser. No. 573,125. The J. C. Hall Company, Pawtucket, R. I. Filed Feb. 1, 1949.



Applicant claims ownership of Registration No. 375,316.
For Safety Paper, Checks and Check Books of All Description for Banks, Corporations and Individuals, Letterheads, Bank and Commercial Pass Books for Machine and Manual Posting, Bank and Commercial Forms and Ledgers, Desk Calendars, Monthly Diary Sets.
Claims use since Sept. 2, 1925.

Ser. No. 573,765. Gurney Security Paper Company, Brooklyn, N. Y. Filed Feb. 12, 1949.

SECURITY X PAPER

The words "Security Paper" are disclaimed.
For Safety Paper Such as Is Used for Checks, Drafts, and All Vouchers of Value.
Claims use since June 28, 1928.

Ser. No. 575,311. United States Envelope Company, Springfield, Mass. Filed Mar. 11, 1949.

DELLA ROBBIA

For Writing and Printing Papers and Correspondence Cards and Envelopes.
Claims use since July 1, 1925.

Ser. No. 575,312. United States Envelope Company, Springfield, Mass. Filed Mar. 11, 1949.

DELLA ROBBIA

For Writing and Printing Papers, and Correspondence Cards and Envelopes.
Claims use since July 1, 1925.

Ser. No. 578,824. Protecto Products Co., Inc., Pomona, Calif. Filed May 13, 1949.



The drawing is lined for shading only.
For Paper Toilet Seat Covers, Paper Napkins, Paper Garment Hanger Covers (Paper Protectors for Garment Hangers), and Paper Garment Protectors.
Claims use since Apr. 7, 1949.

Ser. No. 584,020. Souvenir Lead Pencil Company, Cedar Rapids, Iowa. Filed Aug. 25, 1949.

DOUBLE BONDED LIFE LEAD

The words "Bonded Lead" are disclaimed.
For Pencils.
Claims use since Aug. 10, 1946.

Ser. No. 586,710. Star-Peerless Wall Paper Mills, Chicago, Ill. Filed Oct. 22, 1949.

S-P

STAR-PEERLESS

The word "Peerless" is disclaimed.
For Wall Paper.
Claims use since July 8, 1949.

Ser. No. 588,000. Brown Company, Portland, Maine. Filed Nov. 18, 1949.



For Paper Towels.
Claims use since Apr. 15, 1948.

Ser. No. 589,922. Shaw-Barton, Inc., Coshocton, Ohio. Filed Dec. 24, 1949.

DESKRETARY

For Leather-Bound Diary-Like Calendars.
Claims use since July 15, 1948.

Ser. No. 590,390. Dick Richardson Company, Inc., doing business as Traf-A-Lope Company, Kansas City, Mo. Filed Jan. 5, 1950.

TRAF-A-LOPE

For Partially Printed Envelopes.
Claims use since Dec. 29, 1949.

Ser. No. 592,083. Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y. Filed Feb. 7, 1950.

ARTEMIS

For Text and Cover Papers.
Claims use since June 22, 1945.

Ser. No. 598,997. J. L. Hammett Company, Cambridge, Mass. Filed June 13, 1950.

Ruffmeal

For Art Paper.
Claims use since May 9, 1950.

Ser. No. 601,084. United Wallpaper, Inc., Chicago, Ill. Filed July 21, 1950.

Hand Looms

For Wallpaper and Borders.
Claims use since June 21, 1950.

Ser. No. 601,168. The Potter Press, Waltham, Mass. Filed July 24, 1950.

POTTER

For Manifold Forms, Manifold Booklets, Invoice or Bill Forms, Invoice or Bill Booklets, Order Forms, and Order Booklets.
Claims use since 1912.

CLASS 38

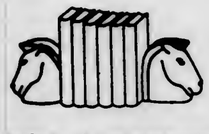
PRINTS AND PUBLICATIONS

Ser. No. 547,681. Maria Petronella Van Wely-Dekkers, Amsterdam, Netherlands. Filed Aug. 27, 1948.



Applicant claims ownership of Dutch Registration No. 76,957, dated Dec. 1, 1941.
For Picture Post Cards, Prayer-Book Prints, Pictorial Engravings and Illustrated Work in the Nature of Calendars, Booklets, and Pictorial Prints.
Claims use since Nov. 21, 1941, in Holland; and first used in commerce between Holland and the United States which may lawfully be regulated by Congress since Sept. 18, 1947.

Ser. No. 572,480. Book Club Associates, Inc., Garden City, N. Y. Filed Jan. 21, 1949.



No claim is made to the representation of a book.
For Books.
Claims use since June 1946.

Ser. No. 572,494. Family Reading Club Corporation, Garden City, N. Y. Filed Jan. 21, 1949.

FAMILY READING CLUB

For Books.
Claims use since October 1946.

Ser. No. 572,495. Family Reading Club Corporation, Garden City, N. Y. Filed Jan. 21, 1949.



For Books.
Claims use since October 1946.

Ser. No. 572,574. The Literary Guild of America, Inc., Garden City, N. Y. Filed Jan. 22, 1949.

THE LITERARY GUILD OF AMERICA INCORPORATED

The word "America" is disclaimed. Applicant claims ownership of Registration No. 234,886.
For Books.
Claims use since October 1926.

Ser. No. 572,580. Nelson Doubleday, Inc., Garden City, N. Y. Filed Jan. 22, 1949.



The representation of a book is disclaimed.
For Books.
Claims use since December 1935.

Ser. No. 573,328. The Literary Guild of America, Inc., Garden City, N. Y. Filed Feb. 4, 1949.



The representations of the boy and girl are fanciful. Applicant claims ownership of Registration No. 258,821.
For Books.
Claims use since 1929.

Ser. No. 573,957. The Literary Guild of America, Inc., Garden City, N. Y. Filed Feb. 16, 1949.



The representation of the book is disclaimed.
For Books.
Claims use since February 1945.

Ser. No. 597,880. Frontier Savings Stamps, Incorporated, El Paso, Tex. Filed May 22, 1950.



The words "Saving Stamp" are disclaimed.
For Trading Stamps.
Claims use since Apr. 13, 1950.

Ser. No. 598,298. For-Dom Inc., New York, N. Y. Filed May 29, 1950.

MOTORMASTER

For Publications Published From Time to Time.
Claims use since May 4, 1950.

Ser. No. 599,250. The McNaught Syndicate, Inc., New York, N. Y. Filed June 16, 1950.

MERRIE CHASE

The words "Merrie Chase" are fanciful.
For Daily Comic Strip.
Claims use since July 31, 1949.

Ser. No. 601,118. Publishers Syndicate, Chicago, Ill. Filed July 22, 1950.

Mary Worth

The name "Mary Worth" is fictitious. Applicant claims ownership of Registration No. 414,560.
For Comic Strip.
Claims use since Dec. 4, 1939.

Ser. No. 601,133. Howard Bard, San Bernardino, Calif. Filed July 24, 1950.

COMMUNITY PEOPLE

For Regularly Published Series of Articles Published in Magazines and Other Periodicals.
Claims use since Jan. 10, 1950.

Ser. No. 601,153. Diane Lyons, Coronado, Calif. Filed July 24, 1950.



For Newspaper Column.
Claims use since Sept. 29, 1948.

Ser. No. 601,215. Cosby P. Harrison, Crossville, Tenn. Filed July 25, 1950.

ROCK & DIRT

For Used Machinery and Equipment Advertising Paper Published Three Times Each Month (Approximately Every Ten Days).
Claims use since June 26, 1950.

Ser. No. 601,502. The G. B. Macke Corporation, Washington, D. C. Filed July 31, 1950.

THANK U

For Profit Sharing Coupons and Premium Catalogues.
Claims use since June 5, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 578,761. The Bowcraft Co., Inc., New York, N. Y. Filed May 13, 1949. (Sec. 2f.)

BOWCRAFT

Applicant claims ownership of Registration No. 401,951.
For Ribbon and Leather Bows for Shoes; Ribbon Bows; Shoe Ornaments Comprising Shoe Buttons Made of Leather, Plastic, Metal and Enamel Finish on Metal; Shoe Buckles Made of Leather, Plastic, Metal and Fabrics; and Buttons.
Claims use since January 1927.

Ser. No. 602,476. Supply Manufacturing Co., Inc., and doing business under the name Bac-A-Belt, New York, N. Y. Filed Aug. 19, 1950.

JIFFY

For Belt Buckle Parts To Be Covered With a Suitable Material Without the Use of Tools.
Claims use since July 24, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 577,078. Spence Bryson & Company Limited, Belfast, Northern Ireland. Filed Apr. 13, 1949.

MAID OF ERIN

The word "Erin" is disclaimed. Applicant claims ownership of British Registrations Nos. 526,730, dated Oct. 29, 1931, and 574,853, dated Feb. 2, 1937.
For Piece Goods Made in Ireland, Consisting of Linen and Hemp and in Which Linen Predominates.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 578,411. Products Manufacturing Co., Inc., Baltimore, Md. Filed May 7, 1949.

"JEM"

For Dropper for Feeding Premature Infants.
Claims use since Oct. 12, 1948.

Ser. No. 584,281. Jon-Howard, Inc., Minneapolis, Minn. Filed Aug. 31, 1949.

HEALTH AIRE

No claim is made to the word "Aire."
For Dispenser or Sprayer for Dispensing a Germicidal Such as a Chemical Mist or Vapor for Medically Treating the Atmosphere.
Claims use since May 5, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 595,595. Ross Danial, doing business as New York Bottling Works, Syracuse, N. Y. Filed Apr. 12, 1950.

DELIZIA CLUB

Applicant claims ownership of Registration No. 262,400.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Oct. 1, 1928.

Ser. No. 597,190. Barq's Incorporated, Biloxi, Miss. Filed May 10, 1950. (Sec. 2f.)

Barq's

Applicant claims ownership of Registration No. 351,901.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups, Extracts, Compounds, and Flavors Used in Making the Same.
Claims use since Jan. 15, 1915.

Ser. No. 600,851. Richardson Corporation, Rochester, N. Y. Filed July 18, 1950. (Sec. 2f.)

RICHlie

Applicant claims ownership of Registrations Nos. 366,506, 395,080, and others.
For Non-Alcoholic Maltless Soft Drinks, Syrup Used in Making Non-Alcoholic Maltless Soft Drinks, and Concentrated Soda Fountain Syrup Used in Making Non-Alcoholic Maltless Soft Drinks.
Claims use since May 18, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 534,374. Schmidt Bros., Buffalo, N. Y. Filed Sept. 12, 1947. (Sec. 2f.)

WASHINGTON

Applicant claims ownership of Registration No. 194,971.
For Russian Dressing, Mayonnaise, Tartar Sauce, Chicken Sandwich Spread, Mayonnaise With Olives, Horseradish With Vinegar, Cocktail Sauce, Pure Horseradish With Mustard and Vinegar, French Dressing, and Old English Style Fish and Meat Sauce.
Claims use since July 1, 1922.

Ser. No. 544,755. North Pacific Canners & Packers, Inc., Portland, Oreg. Filed Dec. 18, 1947. (Sec. 2f.)

FLAV-R-PAC

Applicant claims ownership of Registration No. 350,155.
For Canned and Frozen Fruits and Vegetables.
Claims use since May 25, 1936, on canned fruits and vegetables; and since June 10, 1938, on frozen fruits and vegetables.

Ser. No. 559,740. Smith Vegetable Company, Phoenix, Ariz. Filed June 19, 1948.

ROLL CALL

Applicant claims ownership of Registration No. 427,008.
For Fresh Vegetables.
Claims use since Nov. 15, 1944.

Ser. No. 566,909. Market Basket Stores, Inc., Everett, Mass. Filed Sept. 27, 1948.

MARKET BASKET

For Coffee.
Claims use since July 1948.

Ser. No. 580,918. The Borden Company, New York, N. Y. Filed June 23, 1949.

NEO-PHOSPHATIN

For Lecithin Used as a Nutritive Ingredient in Various and Many Manufactured Food Products.
Claims use since June 1, 1949.

Ser. No. 583,399. Jerome Kantro, doing business as Jerome Kantro Company, Salinas, Calif. Filed Aug. 12, 1949.

NOBILITY

For Fresh Vegetables.
Claims use since June 22, 1949.

Ser. No. 584,236. Ice-Kist Packing Company, Salinas, Calif. Filed Aug. 30, 1949.

ICE-KIST

Applicant claims ownership of Registration No. 238,609.
For Fresh Lettuce.
Claims use since Oct. 5, 1927.

Ser. No. 589,434. Henry W. Dittmer, doing business as Yellowstone Honey Syrup Company, Cody, Wyo. Filed Dec. 16, 1949.

BAR BEE Honey Syrup

No claim is made of exclusive right to the use of the words "Honey," "Syrup" or "Bee" or the slogan "It's Bee Luscious."
For Honey Syrups.
Claims use since Nov. 1, 1949.

Ser. No. 591,619. M. J. Holloway & Company, Chicago, Ill. Filed Jan. 28, 1950.

Milk Podz

The word "Milk" is disclaimed.
For Candy.
Claims use since Jan. 2, 1944.

Ser. No. 592,744. American Brands Corporation, Redwood City, Calif. Filed Feb. 20, 1950.

TobyJell

No claim is made to the word "Jell."
For Prepared Mix of Sugar, Pectin, Fruit Juices, and Flavors Used for Making a Food Spread.
Claims use since July 30, 1949.

Ser. No. 597,059. Calo Dog Food Company, Inc., Oakland, Calif. Filed May 8, 1950.

HARDI

For Canned Dog and Cat Food.
Claims use since Mar. 25, 1950.

Ser. No. 597,122. Biloxi Seafood Packing Co., Inc., Biloxi, Miss. Filed May 9, 1950.

BEACH-WATER

For Canned Oysters and Canned and Frozen Fresh Shrimp.
Claims use since Jan. 1, 1946.

Ser. No. 597,371. Refrigeradora del Noroeste, S. A., Mazatlan, Sinaloa, Mexico. Filed May 12, 1950

RENO

In the Spanish language, "Reno" means reindeer.
For Frozen Shrimp.
First used on Dec. 15, 1947; and first used in commerce between Mexico and the United States and among the several States which may lawfully be regulated by Congress on Dec 15, 1947.

Ser. No. 598,147. Basic Food Materials, Inc., Vermilion, Ohio. Filed May 26, 1950.

Brook Wood

The lining in the drawing is an integral part of the mark and does not indicate color.
For Pork Sausage Seasoning Consisting of Peppers, Spices, Vegetable Proteins, Extracted Flavoring Substances, Sugar, and Monosodium Glutamate.
Claims use since Aug. 31, 1936.

Ser. No. 598,164. Delta-Rich Food Co., Long Beach, Calif. Filed May 26, 1950.

Tuna Clipper

The word "Tuna" is disclaimed.
For Canned Tuna.
Claims use since Mar. 2, 1950.

Ser. No. 598,447. Aktiebolaget Sveriges Forenade Konservfabriker, Goteborg, Sweden. Filed June 2, 1950. (Sec. 2f.)

Carlson's

For Canned Fish.
First used in 1874 in Sweden; and first used in commerce between the United States and Sweden which may lawfully be regulated by Congress in 1874.

Ser. No. 598,582. V. Giufre & Sons, Canastota, N. Y. Filed June 5, 1950.

BULLS-EYE

The drawing is lined for the color red, however color is not claimed as an essential feature of the mark.
For Vegetables in Their Natural State—Namely, Potatoes, Onions, Cabbage, and Carrots.
Claims use since August 1935.

Ser. No. 598,958. Northland Foods, Inc., Duluth, Minn. Filed June 12, 1950.

Wilderness

For Canned Preparations of Raspberries, Blueberries, and Cherries for Use as Pie Mixes.
Claims use since May 17, 1950.

Ser. No. 599,240. Gregor Chocolates, Inc., New York, N. Y. Filed June 16, 1950.

encores

For Candy.
Claims use since April 1950.

Ser. No. 599,370. Exchange Distributing Company, Birmingham, Ala. Filed June 19, 1950.

EXDO

For Fresh Vegetables—Namely, Tomatoes, Cabbages, Potatoes, Rutabagas, and Onions; Fresh Fruit—Namely, Bananas; and Fresh Citrus Fruit—Namely, Oranges.
Claims use since Nov. 15, 1946.

Ser. No. 599,582. Pillsbury Mills, Inc., Minneapolis, Minn. Filed June 22, 1950.

GLACIER

For Wheat Flour.
Claims use since 1932.

Ser. No. 599,623. Exeter Vineyards Association, Exeter, Calif. Filed June 23, 1950.

Valley Sky

For Fresh Grapes.
Claims use since Sept. 15, 1948.

Ser. No. 599,624. Exeter Vineyards Association, Exeter, Calif. Filed June 23, 1950.

WESTERN SKY

For Fresh Grapes.
Claims use since Nov. 27, 1948.

Ser. No. 599,651. Parkis Mills, Inc., Ballston Lake, N. Y. Filed June 23, 1950.

"Jolly" FARMER

For Self-Rising Griddle Cake Flour.
Claims use since 1934.

Ser. No. 599,751. The Cudahy Packing Company, Chicago, Ill. Filed June 26, 1950.

DELRICH

Applicant claims ownership of Registrations Nos. 406,841 and 512,896.
For Oleomargarine.
Claims use since June 15, 1950, in the present form and since Apr. 8, 1943, as to the word "Delrich."

Ser. No. 599,752. The Cudahy Packing Company, Chicago, Ill. Filed June 26, 1950.

DELRICH

Applicant claims ownership of Registrations Nos. 406,841 and 512,896.
For Oleomargarine.
Claims use since June 15, 1950 on the mark as shown; and since Apr. 8, 1943 on the word "Delrich."

Ser. No. 599,827. Helwig & Leitch, Inc., Baltimore, Md., assignor to Jewett & Sherman Company, Milwaukee, Wis., a corporation of Wisconsin. Filed June 27, 1950.

Spookles

For Pickles.
Claims use since Apr. 10, 1950.

Ser. No. 599,961. Monmouth Canning Company, Portland, Maine. Filed June 29, 1950.

HOMEMAKER'S

For Canned Pork and Beans.
Claims use since Apr. 12, 1950.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 529,621. Frank Fehr Brewing Co., Incorporated, Louisville, Ky. Filed July 26, 1947. (Sec. 2f.)

FEHR'S THE BEER THAT XCELS

The words "The Beer That Xcels" are disclaimed. Applicant claims ownership of Registrations Nos. 334,969, 320,636, 321,109, 333,827, 343,599, 346,431, 367,216, and 310,020.
For Beer.
Claims use since Aug. 9, 1935.

Ser. No. 529,622. Frank Fehr Brewing Co., Incorporated, Louisville, Ky. Filed July 26, 1947. (Sec. 2f.)

FEHR'S KENTUCKY BEER

The word "Beer" is disclaimed. Applicant claims ownership of Registrations Nos. 334,969, 320,636, 321,109, 333,827, 343,599, 346,431, 367,216, and 310,020.
For Beer.
Claims use since Dec. 7, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 571,140. Henekeys Limited, London, England. Filed Dec. 27, 1948.



The name "Henekey's" is disclaimed.
For Scotch Whisky.
First used in 1922 in Great Britain; and first used in commerce between Great Britain and the United States which may lawfully be regulated by Congress in 1934.

Ser. No. 601,124. Wolfschmidt Limited, Charlotte Amalie and St. Thomas, V. I., and New Haven, Conn. Filed July 22, 1950.



Applicant disclaims all wording.
For Vodka.
Claims use since 1900.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 559,891. Harriet Hubbard Ayer, Inc., New York, N. Y., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine. Filed June 22, 1948.

Christmas Card

For Perfume.
Claims use since Feb. 25, 1948.

Ser. No. 568,367. Giviemme, S. A., Milan, Italy. Filed Nov. 8, 1948.

G.V.M

For Perfumes and Toilet Water.
First used on Feb. 6, 1921, in Italy; and first used in commerce among the several States which may lawfully be regulated by Congress on June 9, 1947.

Ser. No. 568,368. Giviemme, S. A., Milan, Italy. Filed Nov. 8, 1948.

Ricordo d'Autunno

For Perfumes and Toilet Water.
Claims use since July 13, 1946 in Italy; and use in commerce among the several States which may lawfully be regulated by Congress on Sept. 6, 1948.

Ser. No. 568,369. Giviemme, S. A., Milan, Italy. Filed Nov. 8, 1948.

Ricordo d'Estate

For Perfumes and Toilet Water.
First used on July 13, 1946, in Italy; and first used in commerce among the several States which may lawfully be regulated by Congress on Sept. 6, 1948.

Ser. No. 568,371. Giviemme, S. A., Milan, Italy. Filed Nov. 8, 1948.

Ricordo di Primavera

For Perfumes and Toilet Water.
Claims use since July 13, 1946, in Italy; and first used in commerce among the several States which may lawfully be regulated by Congress since Sept. 6, 1948.

Ser. No. 584,389. Earline Dalzell, doing business as La Truce Product, Denver, Colo. Filed Sept. 2, 1949.

la Truce

For Liquid Preparation for Eradicating Wrinkles.
Claims use since Aug. 20, 1949.

Ser. No. 587,350. Norma Originals, Inc., New York, N. Y. Filed Nov. 4, 1949.

STRUMBOLI

For Perfume.
Claims use since Oct. 5, 1949.

Ser. No. 590,731. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Jan. 12, 1950.

ELIZABETH ARDEN

The name is that of "Elizabeth Arden" whose consent to register is of record in this case. Applicant claims ownership of Registrations Nos. 153,598 and 501,507.
For Skin Lotions and Creams, Reducing Lotion, Bleach Cream, and Depilatory.
Claims use since Jan. 2, 1910.

Ser. No. 593,662. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 9, 1950.

NAEFCO

For Artificial and Synthetic Perfumery Compositions; Natural and Synthetic Essential Oils Used as a Base or as an Ingredient in Perfumery; Aromatic Chemicals From Natural or Other Sources Used as an Ingredient in Perfumery; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources.
Claims use since 1910.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 566,789. Harry E. Brom, doing business as Brom Drug Company, Benson, Minn. Filed Oct. 11, 1948.

SPARKEL-SPARKEL

For Eye Glass and Camera Lens Cleaner.
Claims use since Feb. 15, 1947.

Ser. No. 573,421. Germo Manufacturing Company, St. Louis, Mo. Filed Feb. 7, 1949.

GERMO

For Liquid Soaps, Liquid Cleaning Compounds for General Cleaning Purposes; Gum, Wax, Seal and Stain Removers; Liquid, Paste and Powder Cleansers for General Cleaning Purposes; and Bowl and Drain Pipe Solvents.
Claims use since November 1902.

Ser. No. 582,650. Rosaitch Company, Chicago, Ill. Filed July 28, 1949.

ROSE-H

For Upholstery and Rug Cleaner.
Claims use since Jan. 15, 1949.

Ser. No. 592,611. Consolidated Engineers Company, Inc., Chicago, Ill. Filed Feb. 17, 1950.

CARBO-CIDE

For Powdered Slag and Soot Solvent for Boilers and Furnaces.
Claims use since Mar. 15, 1949.

Ser. No. 596,250. Winthrop-Stearns Inc., New York, N. Y. Filed Apr. 24, 1950.

pHisoHex

Applicant claims ownership of Registration No. 408,558.
For Emollient, Sudsing, Antibacterial Detergent for Use on the Skin and Mucous Membranes.
Claims use since Feb. 17, 1950.

Ser. No. 598,949. Godefroy Manufacturing Company, St. Louis, Mo. Filed June 12, 1950.

TRESemmé

The word "Tres" is disclaimed.
For Shampoo.
Claims use since Nov. 28, 1947.

Ser. No. 600,139. Nelson Chemicals Corporation, Detroit, Mich. Filed July 1, 1950.

SUDSOMATIC

For Detergents for Domestic and Commercial Laundering, Whether by Hand or in Automatic or in Semi-Automatic Machines.
Claims use since Aug. 30, 1948.

SERVICE MARKS

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 587,904. Northwestern National Bank of Minneapolis, Minneapolis, Minn. Filed Nov. 16, 1949.



For Banking Services—Namely, Issuing Letters of Credit, Making Loans, Making Collections, Accepting Deposits, and Rendering Trust Service.
Claims use since Oct. 7, 1949.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 529,660. Lullaby System, Atlanta, Ga. Filed July 26, 1947.



The representation of a diaper and all the wording except "Lullaby" are disclaimed.
For Diaper Laundry Service.
Claims use since October 1943.

Ser. No. 530,627. Culligan Zeolite Company, Northbrook, Ill. Filed Aug. 6, 1947.

THE
CULLIGAN
WAY

Applicant claims ownership of Registration No. 426,059.
For Servicing of Portable and Stationary Apparatus and Equipment for Softening, Treating, and Filtering Water.
Claims use since Apr. 30, 1940.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 537,617. Perfect Circle Corporation, Hagerstown, Ind. Filed Oct. 11, 1947.



Applicant claims ownership of Registrations Nos. 395,407 and 404,379.
For Instructing Mechanics and Repairmen in Methods of Overhauling and Repairing Internal Combustion Engines, Particularly to Obtain Proper Operation of the Pistons Within the Cylinders Thereof, and in the Selection and Installation of Parts for Said Engines.
Claims use since July 1941.

Ser. No. 597,104. Sigma Delta Chi, Grand Forks, N. Dak. Filed May 8, 1950.

Flickertail Follies

The word "Follies" is disclaimed.
For Entertainment Service in the Nature of Musical, Dramatic, and Variety Shows.
Claims use since March 1925.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,474. Serving Cart of the Type Having Detachable Trays and a Collapsible Wheel Supported Frame To Carry Said Trays. Stanley G. Barnett, doing business as Barnett-Henry Associates, Denver, Colo.
Filed May 10, 1946, Serial No. 501,813. Published Aug. 30, 1949. Class 32.

444,475. Shoes for the Use of Men, Women and Children Made Wholly or Principally of Leather. Brevitt Shoes Limited, Leicester, England.
Filed June 20, 1946, Serial No. 504,249. Published Feb. 6, 1951. Class 39.

444,476. Ready-Mixed Paints for Interior and Exterior Use, Etc. H. Wm. Polley, trading as Southern Paint and Varnish Company, Macon, Ga.
Filed Nov. 4, 1946, Serial No. 512,019. Published Jan. 30, 1951. Class 16.

444,477. Feeds for Livestock—Namely, Pigs, Hogs, Etc. Maritime Milling Co. Inc., Buffalo, N. Y.
Filed Dec. 24, 1946, Serial No. 514,765. Published Dec. 12, 1950. Class 46.

444,478. Hand Operated Lift Trucks Designed for Localized Use in Lifting, Unloading, Transferring, Stacking, and the Like, of Merchandise. The Yale & Towne Manufacturing Company, New York, N. Y.
Filed June 3, 1947, Serial No. 523,501. Published Oct. 24, 1950. Class 23.

ACT OF 1946, PRINCIPAL REGISTER

541,257. Metal Hand Oilers. The Anderson Chemical Company, Litchfield, Minn., assignee of Alfred Anderson, doing business as Anderson Chemical Company.
Original filed, act of 1905, Sept. 21, 1946; amended to application under act of 1946, Principal Register, Sept. 19, 1949, Serial No. 509,490. Published Jan. 30, 1951. Class 2.

541,258. Items (1) Macaroni, Elbow Macaroni, and Macaroni Shells, (2) Spaghetti and Elbow Spaghetti, (3) Egg Noodles, (4) Spaghetti Dinner. Delmonico Foods, Inc., Louisville, Ky.
Original filed, act of 1905, Sept. 21, 1946; amended to application under act of 1946, Principal Register, Feb. 21, 1948, Serial No. 509,503. Published Jan. 2, 1951. Class 46.

541,259. Honey. Superior Honey Company, Los Angeles, Calif.
Original filed, act of 1905, May 27, 1947; amended to application under act of 1946, Principal Register, Oct. 23, 1950, Serial No. 523,110. Published Jan. 16, 1951. Class 46.

541,260. Eaves Troughs, Roof Gutters, Ridge Rolls, Finials, Formed Valley, Etc. The Sioux Steel Co., Sioux Falls, S. Dak.
Original filed, act of 1905, June 4, 1947; amended to application under act of 1946, Principal Register, May 3, 1948, Serial No. 523,547. Published Jan. 30, 1951. Class 12.

541,261. Fresh and Canned Citrus Fruits, Canned Citrus Fruit Juices, and Citrus Fruit Jellies and Marmalades. Holly Hill Fruit Products, Incorporated, Davenport, Fla.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Sept. 11, 1947, Serial No. 525,327. Published Dec. 5, 1950. Class 46.

541,262. Fresh Deciduous Fruits. Simons & French Company, Incorporated, New York, N. Y.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Feb. 9, 1948, Serial No. 526,307. Published Nov. 14, 1950. Class 46.

541,263. Shredded Coconut. Far Eastern Manufacturing Company, Long Island City, N. Y.
Filed Aug. 14, 1947, Serial No. 531,321. Published Dec. 19, 1950. Class 46.

541,264. Bakery Products—Namely, Crackers, Wafers, and Cookies. Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa., assignee of J. S. Ivins' Son, Inc.
Filed Aug. 15, 1947, Serial No. 531,480. Published Oct. 31, 1950. Class 46.

541,265. Crushed and Whole Fruits and Nuts Used in Making Sherbets, Etc. Richardson Corporation, Rochester, N. Y.
Filed Aug. 28, 1947, Serial No. 532,754. Published Nov. 28, 1950. Class 46.

541,266. Smoked Bacon, Smoked Pork Shoulders, and Smoked Hams. Valley Packing Company, Salem, Oreg.
Filed Sept. 2, 1947, Serial No. 533,086. CONCURRENT USE. Published Feb. 6, 1951. Class 46.

541,267. Plumber's Screws and Nuts; Bibb Washers and Bibb Screws for Faucet Repairs; Valve Handles; Etc. Leader Specialty Company, Indianapolis, Ind.
Filed Sept. 4, 1947, Serial No. 533,324. Published Jan. 9, 1951. Class 13.

541,268. Mixture of Ingredients Having Therapeutic Value and Used for the Relief of Colds, Etc. William G. Terwilliger, doing business as Care Chemical Company, New York, N. Y., assignor to Care Chemical Company, a corporation of New York.
Filed Sept. 9, 1947, Serial No. 533,952. Published June 29, 1948. Class 18.

541,269. Fresh Deciduous and Citrus Fruits, Canned, Frozen Deciduous and Citrus Fruits, and Dried Fruits. Keerdijk Producten Maatschappij C. V., doing business under the trade name and style of Keerdijk Trading Co., Amsterdam, Netherlands.
Filed Sept. 11, 1947, Serial No. 534,149. Published Nov. 28, 1950. Class 46.

541,270. Pneumatic Tanks and Pressure Closet Tanks. W. A. Case and Son Manufacturing Company, Buffalo, N. Y.
Filed Oct. 4, 1947, Serial No. 536,764. Published Jan. 30, 1951. Class 2.

541,271. Salt—Namely, Medium Salt; Table Salt; Salt Spools; Etc. The Carey Salt Company, Hutchinson, Kans.
Filed Oct. 8, 1947, Serial No. 537,145. Published Jan. 16, 1951. Class 46.

541,272. Table Syrups—Namely, Crystal White Syrup, Golden Syrup, and Waffle Syrup. The Torbitt & Castleman Company, Louisville, Ky.
Filed Oct. 14, 1947, Serial No. 537,839. Published Nov. 21, 1950. Class 46.

541,273. Table Syrups—Namely, Crystal White Syrup, Golden Syrup, and Waffle Syrup. The Torbitt & Castleman Company, Louisville, Ky.
Filed Oct. 14, 1947, Serial No. 537,842. Published Nov. 21, 1950. Class 46.

541,274. Sliced Bacon. Valley Packing Company, San Benito, Tex.
Filed Oct. 15, 1947, Serial No. 537,955. CONCURRENT USE. Published Feb. 6, 1951. Class 46.

541,275. Fresh Cantaloupe. Stanley Fruit Company, Phoenix, Ariz.
Filed Oct. 20, 1947, Serial No. 538,464. Published Nov. 14, 1950. Class 46.

541,276. Lard. The Rath Packing Company, Waterloo, Iowa.
Filed Oct. 31, 1947, Serial No. 539,757. Published Dec. 12, 1950. Class 46.

541,277. Metallic Fasteners Used in Fastening Building Elements in Place—Namely, Strong-Back Ties and Header Staples and Window Spacers. J. J. Veteran Company, Palo Alto, Calif.
Filed Nov. 10, 1947, Serial No. 540,741. Published Jan. 9, 1951. Class 13.

541,278. Articles of Clothing for Use by Men, Women, Boys, and Girls—Namely, Knitted Sweaters, Swim Suits, Jackets, Women's Suits, and Knitted Neckties. Walter R. Kandel, doing business as Kandel Knitting Mills, Portland, Oreg.
Original filed, act of 1946, Supplemental Register, Nov. 12, 1947; amended to application, Principal Register, Sept. 29, 1950, Serial No. 540,828. Published Feb. 6, 1951. Class 39.

541,279. Smoked Pork Roll. Smoked Pork Roll, Inc., Philadelphia, Pa.
Filed Mar. 17, 1948, Serial No. 552,172. Published Nov. 7, 1950. Class 46.

541,280. Smoked Pork Roll. Smoked Pork Roll, Inc., Philadelphia, Pa.
Filed Mar. 17, 1948, Serial No. 552,173. Published Nov. 7, 1950. Class 46.

541,281. Pancake Mix, and Buckwheat Pancake Mix. Little Crow Milling Company, Inc., Warsaw, Ind.
Filed Mar. 18, 1948, Serial No. 552,250. Published Oct. 10, 1950. Class 46.

541,282. Non-Ferrous Metal Products—Namely, Bushings, Rings, and Tubing. Wheeling Bronze Casting Company, Wheeling and Moundsville, W. Va.
Filed Mar. 18, 1948, Serial No. 552,299. Published Feb. 6, 1951. Class 13.

541,283. Wheat Flour. Flour Mills of America, Inc., Kansas City, Mo., doing business as Alva Roller Mills, Alva, Okla.
Filed Mar. 12, 1948, Serial No. 552,547. Published Nov. 7, 1950. Class 46.

541,284. Blades for Pocket, Table, Kitchen, Butcher, Hunting, Farrier Knives, Etc. W. R. Case & Sons Cutlery Company, Bradford, Pa.
Filed Mar. 26, 1948, Serial No. 553,070. Published Jan. 9, 1951. Class 23.

541,285. Wheat Flour. Flour Mills of America, Inc., Kansas City, Mo., doing business as Goodlander Mills Company, Fort Scott, Kans.
Filed Apr. 1, 1948, Serial No. 553,598. Published Jan. 16, 1951. Class 46.

541,286. Wheat Flour. Flour Mills of America, Inc., Kansas City, Mo., doing business under the name and style of Valier and Spies Milling Company, St. Louis, Mo.
Filed Apr. 1, 1948, Serial No. 553,601. Published Jan. 2, 1951. Class 46.

541,287. Wheat Flour. Flour Mills of America, Inc., Kansas City, Mo., doing business under the name and style of Valier and Spies Milling Company, St. Louis, Mo.
Filed Apr. 1, 1948, Serial No. 553,602. Published Jan. 2, 1951. Class 46.

541,288. Wheat Flour. Flour Mills of America, Inc., Kansas City, Mo., doing business under the name and style of Valier and Spies Milling Company, St. Louis, Mo.
Filed Apr. 1, 1948, Serial No. 553,603. Published Jan. 2, 1951. Class 46.

541,289. Tube Fittings. Flodar Corporation, Cleveland, Ohio.
Filed Apr. 2, 1948, Serial No. 553,687. Published Jan. 16, 1951. Class 13.

541,290. Toilet Paper Holders, Robe Hooks, Soap Holders, and Tumbler and Toothbrush Holder, Towel Bars and Shelves, Formed of Metal or Metal and Wood, Glass, or Plastic in Combination, Such Being for Use as Bath Room Accessories Designed To Be Affixed to Bath Room Walls. Hall-Mack Company, Los Angeles, Calif.
Filed Nov. 14, 1947, Serial No. 541,138. Published Jan. 9, 1951. Class 13.

541,291. Metal Parts, Fixtures, and Attachments Particularly Suitable for Use in Furniture Construction, Etc. The Seng Company, Chicago, Ill.
Filed Nov. 18, 1947, Serial No. 541,581. Published Jan. 9, 1951. Class 32.

541,292. Wheat Flour. Bilsh Milling Company, Seymour, Ind., assignor to Acme-Evans Company, Inc., Indianapolis, Ind.
Filed Nov. 19, 1947, Serial No. 541,640. Published Dec. 26, 1950. Class 46.

541,293. Canned Field Peas, Canned Sifted Peas, Canned Turnip Greens, Canned Mustard Greens, Canned Kale, Canned Spinach, and Canned Lima Beans. The Mississippi Valley Canning Co., Osceola, Ark.
Filed Nov. 25, 1947, Serial No. 542,329. Published Nov. 28, 1950. Class 46.

541,294. Ribb Cocks, Basin Cocks, Bath Cocks, and Faucets and Valves for Lavatories, Sinks, Bath Tubs, Showers, and the Like. H. B. Salter Manufacturing Company, Marysville, Ohio.
Filed Dec. 2, 1947, Serial No. 542,973. Published Jan. 9, 1951. Class 13.

541,295. Fish Scalers. The Enterprise Manufacturing Company, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 543,357. Published Nov. 21, 1950. Class 23.

541,296. Gift Packages Consisting of: Fresh Citrus Fruits, Fresh Avocados, Fresh Persimmons, Assorted Nuts in the Shell and Dates, the Contents of Such Packages Varying From Time to Time. James Williams, Jr., doing business as Harvest Jim, Santa Barbara, Calif., assignor to Harvest Jim Fruit Packs, Inc., Fillmore, Calif., a corporation of California.
Filed Dec. 6, 1947, Serial No. 543,675. Published Oct. 31, 1950. Class 46.

541,297. Peanut Butter Sandwiches. Schindler's Peanut Products, Inc., Washington, D. C., and Baltimore, Md.
Filed Dec. 12, 1947, Serial No. 544,205. Published Dec. 19, 1950. Class 46.

541,298. Inverted Cane Sugar Syrup Used for Food Purposes. Atlantic Syrup Refining Corporation, Philadelphia, Pa.
Filed Jan. 5, 1948, Serial No. 546,164. Published Jan. 2, 1951. Class 46.

541,299. Salad Dressing and Remoulade Sauce. Famous French, Shreveport, La.
Filed Jan. 13, 1948, Serial No. 546,843. Published Nov. 28, 1950. Class 46

541,300. Axes. Warren Axe and Tool Company, Warren, Pa.
Filed Jan. 15, 1948, Serial No. 547,207. Published Dec. 12, 1950. Class 23.

541,301. Nut Candies. Paul Walter, trading as Caramel Crisp Shop and Walter Candy Co., Cedar Rapids, Iowa.
Filed Jan. 23, 1948, Serial No. 547,881. Published Dec. 12, 1950. Class 46.

541,302. Canned and Bottled Pickles, Etc. Acme Distributors, Middle Village, N. Y.
Filed Jan. 26, 1948, Serial No. 547,952. Published July 5, 1949. Class 46.

541,303. Board Made of Compressed Wood Products. Curtis Companies Incorporated, Clinton, Iowa.
Filed Jan. 26, 1948, Serial No. 547,974. Published Jan. 23, 1951. Class 12.

541,304. Filing Equipment—Namely, Transfer Cases and Dead Storage Files, Storage Cabinets, Wardrobe Cabinets, Clothing Lockers, Storage Lockers, Desks, Office and Shop Tables, and Metal Shelving Units. All-Steel Equipment Inc., Aurora, Ill.
Filed Feb. 5, 1948, Serial No. 548,780. Published Jan. 9, 1951. Class 32.

541,305. Caviar in Tins and Jars. Vita Food Products, Inc., New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,888. Published Nov. 28, 1950. Class 46.

541,306. Wheat Flour. Bewley Mills, Fort Worth, Tex.
Filed Feb. 12, 1948, Serial No. 549,495. Published Feb. 6, 1951. Class 46.

541,307. Wheat Flour; Stock Feeds, of Which Principal Ingredients Are Ground Cereal Grains, Etc. Bewley Mills, Fort Worth, Tex.
Filed Feb. 12, 1948, Serial No. 549,496. Published Feb. 6, 1951. Class 46.

541,308. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Feb. 14, 1948, Serial No. 549,699. Published Apr. 11, 1950. Class 46.

541,309. Mattresses, Box Springs, Slat Springs, and Studio Couches. Simmons Company, New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,977. Published May 30, 1950. Class 32.

541,310. Metal Tanks and Buckets for Water, Chemicals and Other Liquids, Metal Baskets, Vats, and Metal Trays for Industrial Purposes. Calumet Manufacturing Company, Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,017. Published Jan. 30, 1951. Class 2.

541,311. Kitchen Utensils—Namely, Sink Strainers, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,087. Published Jan. 9, 1951. Class 13.

541,312. Chemical Industrial and Aromatic Materials, Etc. Sindar Corporation, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,747. Published Jan. 16, 1951. Class 18.

541,313. Sausage Made From Beef and Pork. Armour and Company, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,771. Published Dec. 12, 1950. Class 46.

541,314. Pork Sausage. Armour and Company, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,772. Published Dec. 12, 1950. Class 46.

541,315. Fruit Preserves, Jams and Jellies, Tomato Juice, Tomato Catsup, Chili Sauce, Table Syrup, and White and Cider Vinegar. Kern Food Products, Inc., Los Angeles, Calif.
Filed Feb. 28, 1948, Serial No. 550,810. Published Nov. 21, 1950. Class 46.

541,316. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business as The Lamar Flour Mills Co., Lamar, Colo.
Filed Mar. 9, 1948, Serial No. 551,533. CONCURRENT USE. Published Jan. 30, 1951. Class 46.

541,317. Spices—Namely, Allspice, Pepper and Cinnamon; Canned Corn; Etc. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Mar. 11, 1948, Serial No. 551,708. Published Nov. 28, 1950. Class 46.

541,318. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business as The Dodge City Flour Mills, Dodge City, Kans.
Filed Mar. 13, 1948, Serial No. 551,856. Published Jan. 9, 1951. Class 46.

541,319. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business as The Ft. Collins Flour Mills Co., Fort Collins, Colo.
Filed Mar. 13, 1948, Serial No. 551,857. Published Dec. 26, 1950. Class 46.

541,320. Electric Arc Welding Equipment—Namely, Welding Machines, Welding Heads, and Parts of Such Machines and Heads. The Lincoln Electric Company, Cleveland, Ohio.
Filed Apr. 7, 1948, Serial No. 554,034. Published Jan. 23, 1951. Class 21.

541,321. Fruit Concentrate for Food Purposes. Neil Products Inc., Los Angeles, Calif.
Filed Apr. 8, 1948, Serial No. 554,142. Published Dec. 26, 1950. Class 46.

541,322. Men's, Women's, and Children's Union Suits, Combination Suits, Undershirts, and Underdrawers Made of Both Knitted and Woven Goods. Superior Company, Inc., Piqua, Ohio, and New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,272. Published Feb. 6, 1951. Class 39.

541,323. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business as Alamosa Flour Mills, Alamosa, Colo.
Filed Apr. 10, 1948, Serial No. 554,298. CONCURRENT USE. Published Jan. 2, 1951. Class 46.

541,324. Canned Vegetables. Lakeside Packing Company, Manitowoc, Wis.
Filed Apr. 13, 1948, Serial No. 554,502. Published Feb. 6, 1951. Class 46.

541,325. Hollow Rubber Character Animals and Ceramic Character Animals. Rempel Enterprises, Akron, Ohio.
Filed Apr. 13, 1948, Serial No. 554,512. Published Jan. 16, 1951. Class 22.

541,326. Skin Cream. Marie Francoise Masclet, Paris, France.
Filed Apr. 28, 1948, Serial No. 555,760. Published May 16, 1950. Class 51.

541,327. Lightweight Aggregate of a Structurally Strong, Chemically Inert, Cellular, Vitreous Material, Etc. The Lehigh Coal and Navigation Company, Philadelphia, Pa.
Filed May 11, 1948, Serial No. 556,800. Published Dec. 20, 1949. Class 12.

541,328. Canned Fruits, Berries, Vegetables. Starr Fruit Products Co., Portland, Oreg.; Edward W. Johnson, trustee, assignor to Starr Foods, Inc., Salem, Oreg., a corporation of Oregon.
Filed May 14, 1948, Serial No. 557,078. Published Jan. 16, 1951. Class 46.

541,329. Balanced Pressure, Hot and Cold Water Mixing Valves for Showerbath and Other Lavatory Purposes. Speakman Company, Wilmington, Del.
Filed May 15, 1948, Serial No. 557,163. Published Jan. 16, 1951. Class 13.

541,330. Fresh Milk, Fresh Cream—Light, Heavy, Sour, Buttermilk, Chocolate Flavored Milk, Pot Cheese, and Creamed Cottage Cheese. Dellwood Dairy Co., Inc., Yonkers, N. Y.
Filed May 21, 1948, Serial No. 557,508. Published Nov. 28, 1950. Class 46.

541,331. Canned Fresh Oysters, and Canned Cooked Shad Fillets, Shad Roe, and Herring Roe. The Tilghman Packing Company, Tilghman, Md.
Filed May 24, 1948, Serial No. 557,701. Published Jan. 31, 1950. Class 46.

541,332. Crawler Tractor Track Plates. Electric Steel Foundry, Portland, Oreg.
Filed May 26, 1948, Serial No. 557,831. Published Jan. 2, 1951. Class 23.

541,333. Combination Transparent Mirror and Door Wicket. Magic Mirror Associates, Inc., New York, N. Y.
Filed June 5, 1948, Serial No. 558,570. Published Feb. 14, 1950. Class 32.

541,334. Canned Fruits, Berries, and Vegetables. Blue Lake Packers, Inc., Salem and West Salem, Oreg.
Filed June 7, 1948, Serial No. 558,624. Published Dec. 19, 1950. Class 46.

541,335. Barbeque Hot Sauce. Hans Abrahamsen, doing business as Hans Barbeque, Oklahoma City, Okla.
Filed June 23, 1948, Serial No. 559,984. Published Jan. 2, 1951. Class 46.

541,336. Syrup for Food Purposes. Corn Products Refining Company, New York, N. Y.
Filed June 25, 1948, Serial No. 560,189. Published Nov. 7, 1950. Class 46.

541,337. Wetting-Out Agent for Use in the Textile Industry. Ciba Limited, Basel, Switzerland.
Filed July 9, 1948, Serial No. 560,975. Published Jan. 23, 1951. Class 6.

541,338. Wheat Flour. Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc.
Filed July 9, 1948, Serial No. 561,007. Published Nov. 7, 1950. Class 46.

541,339. Under-the-Chin Headphone, for Use in Connection With Transcribing Machines, Etc. Telex, Inc., St. Paul, Minn.
Filed July 22, 1948, Serial No. 561,953. Published Feb. 6, 1951. Class 21.

541,340. Breakable Targets, Primarily for Pistol and Rifle Use, Composed of Plastic Material. National Rifle Association of America, Washington, D. C.
Filed Feb. 4, 1948, Serial No. 561,966. Published Jan. 16, 1951. Class 22.

541,341. Fresh Citrus Fruits. Florida Citrus Exchange, Tampa, Fla.
Filed Aug. 4, 1948, Serial No. 562,772. Published Dec. 12, 1950. Class 46.

541,342. Fastener Forming and Inserting Machines Particularly Adapted for Use in Shoe Repairing Operations. The Auto-Soler Company, Atlanta, Ga.
Filed Aug. 5, 1948, Serial No. 562,819. Published Jan. 16, 1951. Class 23.

541,343. Dog Food. The Quaker Oats Company, Chicago, Ill.
Filed Aug. 6, 1948, Serial No. 562,956. Published Jan. 9, 1951. Class 46.

541,344. Stock Feed Consisting of Dehydrated Alfalfa Meal. Abilene Alfalfa Sales Company, Abilene, Kans.
Filed Aug. 12, 1948, Serial No. 563,231. Published Nov. 28, 1950. Class 46.

541,345. Venetian and Roller-Type Window Shades. Davison's Northwest-Shade & Linoleum Service Inc., Seattle, Wash.
Filed Aug. 24, 1948, Serial No. 563,912. Published Jan. 9, 1951. Class 32.

541,346. Valves for Admitting Gas Into a Column of Liquid in a Well, Etc. Henry U. Garrett, doing business as Garrett Oil Tools, Houston, Tex., and elsewhere, assignor to Garrett Oil Tools, Inc., Houston, Tex., a corporation of Texas.
Filed Aug. 28, 1948, Serial No. 564,328. Published Jan. 9, 1951. Class 13.

541,347. Jacket Fittings—To Wit, Cocks, Crosses, T's, Elbows, Relief Valves, and Expansion Joints, Etc. Parks-Cramer Company, Fitchburg, Mass.
Filed Sept. 4, 1948, Serial No. 564,736. Published Jan. 9, 1951. Class 13.

541,348. Bottle Openers. Hammond Research Corporation, Gloucester, Mass.
Filed Sept. 10, 1948, Serial No. 564,941. Published Jan. 30, 1951. Class 23.

541,349. Fresh Oranges. Placentia Orchard Company, Fullerton, Calif.
Filed Sept. 18, 1948, Serial No. 565,453. Published Jan. 2, 1951. Class 46.

541,350. Outboard Motors, Internal Combustion Engines for Industrial Use, and Parts Thereof. Kiekhaefer Corporation, Cedarburg, Wis.
Filed Sept. 27, 1948, Serial No. 565,939. Published Aug. 29, 1950. Class 23.

541,351. Molded Plastic Articles—Namely, Clothes Pins, Nalle Plastics, Inc., Austin, Tex.
Filed Oct. 6, 1948, Serial No. 566,529. Published Jan. 9, 1951. Class 24.

541,352. Animal Feeds Containing Principally Horse Meat and Horse Liver, for Feeding Foxes and Minks. Perk Foods Co., Chicago, Ill.
Filed Oct. 6, 1948, Serial No. 566,544. Published Dec. 12, 1950. Class 46.

541,353. Stock and Poultry Feeds, the Principal Ingredients of Which Are Cereal Grains, Proteins of Both Animal and Vegetable Source, and Minerals. Bewley Mills, Fort Worth, Tex.
Filed Oct. 18, 1948, Serial No. 567,130. Published Nov. 28, 1950. Class 46.

541,354. Desserts—Namely, Custard Powders, Blancmange Powders, Pudding Mixtures, and Gelatin Dessert Preparations. Creamola Food Products, Ltd., Glasgow, Scotland.
Filed Oct. 19, 1948, Serial No. 567,188. Published Nov. 14, 1950. Class 46.

541,355. Lawn Sprinklers. Automotive Sprinkler Company, Inc., North Platte, Nebr.
Filed Oct. 29, 1948, Serial No. 567,844. Published Jan. 9, 1951. Class 13.

541,356. Lawn Sprinklers. Automotive Sprinkler Company, Inc., North Platte, Nebr.
Filed Oct. 29, 1948, Serial No. 567,845. Published Jan. 9, 1951. Class 12.

541,357. Lawn Sprinklers. Automotive Sprinkler Company, Inc., North Platte, Nebr.
Filed Oct. 29, 1948, Serial No. 567,846. Published Jan. 9, 1951. Class 13.

541,358. Fresh and Frozen Cranberries. Cranberry Growers, Inc., Wisconsin Rapids, Wis.
Filed Oct. 29, 1948, Serial No. 567,856. Published Oct. 3, 1950. Class 46.

541,359. Plastic Tubing for Covering Rollers and Spinners of Textile Machines. Hickory Specialty Co., Inc., Jersey City, N. J.
Filed Nov. 12, 1948, Serial No. 568,619. Published Jan. 2, 1951. Class 23.

541,360. Compressor Pumps. Richmond Oil Equipment Company, Inc., Richmond, Va.
Filed Nov. 12, 1948, Serial No. 568,666. Published Jan. 23, 1951. Class 23.

541,361. Building Brick and Tile. Shenandoah Brick & Tile Corporation, Winchester, Va.
Filed Nov. 18, 1948, Serial No. 569,015. Published Jan. 23, 1951. Class 12.

541,362. Hormones Obtained From the Extract of Pituitary Glands and Used for Their Curative and Restorative Properties. Biophysics Laboratories, Inc., Los Angeles, Calif.
Filed Nov. 22, 1948, Serial No. 569,186. Published June 20, 1950. Class 18.

541,363. Wall Board. The Upson Company, Lockport, N. Y.
Filed Nov. 26, 1948, Serial No. 569,494. Published Jan. 23, 1951. Class 12.

541,364. Canned Fish. George D. Boukouris, New York, N. Y.
Filed Dec. 3, 1948, Serial No. 569,806. Published Feb. 6, 1951. Class 46.

541,365. Preparation for Massaging and Treating the Scalp and for Treating Skin Conditions and Removing Dandruff. Evelyn Jones, New Orleans, La.
Filed Dec. 3, 1948, Serial No. 569,854. Published Feb. 6, 1951. Class 18.

541,366. Canned Fruit Juices—Namely, Grapefruit Juice, Etc. National Tea Co., Chicago, Ill.
Filed Dec. 6, 1948, Serial No. 570,062. Published Feb. 6, 1951. Class 46.

541,367. Grooved Phonograph Records. Keynote Recordings, Inc., New York, N. Y.
Filed Dec. 15, 1948, Serial No. 570,604. Published Jan. 23, 1951. Class 36.

541,368. Medicinal and Pharmaceutical Preparations—Namely, Tablets, Pills, Etc. Aktiebolaget Astra, Apoteksvarnes Kemiska Fabriker, Sodertalje, Sweden.
Filed Dec. 16, 1948, Serial No. 570,606. Published Jan 30, 1951. Class 18.

541,369. Medicinal Preparation for Parenteral and Oral Administration by Physicians in the Treatment of Threatened and Habitual Abortions, Various Cardiac Conditions, and Peripheral Vascular Diseases. Vincent Christina & Company, Inc., New York, N. Y.
Filed Dec. 18, 1948, Serial No. 570,769. Published Apr. 11, 1950. Class 18.

541,370. Meat and Meat Product Curing and Preserving Compounds Containing Curing and/or Preserving Chemicals, Etc. Fearn Laboratories, Inc., Franklin Park, Ill.
Filed Dec. 22, 1948, Serial No. 570,953. Published Feb. 6, 1951. Class 46.

541,371. Tea. Edward Yoshimoto, Los Angeles, Calif.
Filed Jan. 14, 1949, Serial No. 572,229. Published Mar. 14, 1950. Class 46.

541,372. Lawn Sprinklers. Helck Die Casting Corp., Chicago, Ill.
Filed Jan. 15, 1949, Serial No. 572,247. Published Jan. 9, 1951. Class 13.

541,373. Coffee. Consolidated Grocers Corporation, Chicago, Ill.
Filed Jan. 24, 1949, Serial No. 572,638. Published Jan. 16, 1951. Class 46.

541,374. Pianos. Aeolian American Corporation, New York, N. Y.
Filed Feb. 3, 1949, Serial No. 573,222. Published Jan. 23, 1951. Class 36.

541,375. Women's Hosiery. Joyce Full Fashion Hosiery Co., Hammonton, N. J.
Filed Feb. 16, 1949, Serial No. 573,947. Published Feb. 6, 1951. Class 39.

541,376. Confection Made From Dried Apricots in the Form of Sheets. Morris Fenster, doing business as Fenster's Confectionery Co., New York, N. Y.
Filed Feb. 17, 1949, Serial No. 574,027. Published Jan. 30, 1951. Class 46.

541,377. Wind-Driven Power Apparatus and Parts Thereof, Particularly Wind-Driven Electric Current Generator Apparatus and Parts Thereof. Wincharger Corporation, Sioux City, Iowa.
Filed Feb. 19, 1949, Serial No. 574,174. Published Dec. 12, 1950. Class 21.

541,378. Mounts or Holders for Mounting Diamond Dressing Tools Wherein the Tool Traverses the Work To Be Dressed. J. K. Smit & Sons, Inc., New York, N. Y., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J., a corporation of New Jersey.
Filed Mar. 4, 1949, Serial No. 574,930. Published Jan. 16, 1951. Class 23.

541,379. Canned Fish. Al H. Meyer, doing business as Al H. Meyer Co., Monterey, Calif.
Filed Mar. 8, 1949, Serial No. 575,071. Published Nov. 28, 1950. Class 46.

541,380. Pressure Operated Wall Washing Machines and Upholstery Cleaning Machines. Continental Car-Na-Var Corporation, Brazil, Ind.
Filed Mar. 10, 1949, Serial No. 575,198. Published Jan. 30, 1951. Class 23.

541,381. Frozen Confections. Joe Lowe Corporation, New York, N. Y.
Filed Mar. 12, 1949, Serial No. 575,359. Published Oct. 3, 1950. Class 46.

541,382. Denatured Alcohol and Anti-Freeze Preparations for Engine Cooling Systems of Automobiles and Other Internal Combustion Engines. Publicker Industries Inc., Philadelphia, Pa.
Filed Apr. 1, 1949, Serial No. 576,471. Published Jan. 9, 1951. Class 6.

541,383. Candy. Elmer Candy Company, New Orleans, La.
Filed Apr. 1, 1949, Serial No. 576,486. Published Jan. 30, 1951. Class 46.

541,384. Fresh Milk—Namely, Cow's Milk and Goat's Milk. Brook Hill Farms, Inc., Chicago, Ill.
Filed Apr. 9, 1949, Serial No. 576,844. Published Nov. 21, 1950. Class 46.

541,385. Coated Ice Cream Bar. Eskimo Pie Corporation, Bloomfield, N. J.
Filed Apr. 14, 1949, Serial No. 577,116. Published Nov. 14, 1950. Class 46.

541,386. Hair Dressing. Lorraine Boyd Duncan, doing business as Eniarrel Products Company, Los Angeles, Calif.
Filed Apr. 28, 1949, Serial No. 577,874. Published Jan. 30, 1951. Class 51.

541,387. Governors for Regulating the Speed of Engine-Driven Compressors in Accordance With Delivered Pressure. Schramm, Inc., West Chester, Pa.
Filed Apr. 29, 1949, Serial No. 577,991. Published Jan. 23, 1951. Class 23.

541,388. Pillows and Furniture Cushions of Foam Rubber. United States Rubber Company, New York, N. Y.
Filed Apr. 30, 1949, Serial No. 578,061. Published Jan. 9, 1951. Class 32.

541,389. Dill Pickles, Sweet Mixed Pickles, Etc. Morris Efron, doing business as Efron and Novik Pickle Works, Passaic, N. J.
Filed May 23, 1949, Serial No. 579,311. Published Feb. 6, 1951. Class 46.

541,390. Antiseptic Tooth Powder and Ammoniated Wafers, Etc. Purex Products, Inc., Baltimore, Md.
Filed May 26, 1949, Serial No. 579,556. Published Jan. 16, 1951. Class 51.

541,391. Merchandise Lifting and Stacking Trucks, and Parts Thereof. Lewis-Shepard Products, Inc., Watertown, Mass.
Filed May 28, 1949, Serial No. 579,695. Published Aug. 8, 1950. Class 23.

541,392. Candy. Gold Medal Candy Corporation, Brooklyn, N. Y.
Filed June 1, 1949, Serial No. 579,813. Published Oct. 31, 1950. Class 46.

541,393. Women's and Children's Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes. Kaylon Incorporated, New York, N. Y.
Filed June 3, 1949, Serial No. 579,933. Published Feb. 6, 1951. Class 39.

541,394. Mineral Feed for Cattle. Moorman Manufacturing Company, Quincy, Ill.
Filed June 7, 1949, Serial No. 580,086. Published Dec. 19, 1950. Class 46.

541,395. Mineral Feed for Cattle and Cows. Moorman Manufacturing Company, Quincy, Ill.
Filed June 7, 1949, Serial No. 580,087. Published Dec. 19, 1950. Class 46.

541,396. Wooden Handle Sticks for Suckers. Joe Lowe Corporation, New York, N. Y.
Filed June 11, 1949, Serial No. 580,307. Published Jan. 16, 1951. Class 13.

541,397. Electric Bed Lamps and Electric Floor Lamps. Clifford R. Myre, doing business as Paynesville Lamp Co., Paynesville, Minn.
Filed June 11, 1949, Serial No. 580,313. Published Jan. 30, 1951. Class 21.

541,398. Insecticides and Agricultural Fungicides. Hayes-Sammons Company, Mission, Tex.
Filed June 13, 1949, Serial No. 580,364. Published Jan. 9, 1951. Class 6.

541,399. Woven Fibre Furniture, i. e., Serving Tables, Chairs, Plant Stands, Porch Bars, and Hassocks. Astoria Fibre Corporation, Astoria, N. Y.
Filed June 15, 1949, Serial No. 580,453. Published Feb. 6, 1951. Class 32.

541,400. Electric Space Heaters; Electric Immersion Heaters; Etc. Theodor Stiebel, Holzminden, Weser, Germany.
Filed June 15, 1949, Serial No. 580,527. Published Dec. 12, 1950. Class 21.

541,401. Men's Outer Shirts, Pajamas, and Under Shorts. The Manhattan Shirt Company, New York, N. Y.
Filed June 16, 1949, Serial No. 580,607. Published Feb. 6, 1951. Class 39.

541,402. Household Laundry Starch. Sage Laboratories, Inc., New York, N. Y.
Filed June 22, 1949, Serial No. 580,904. Published May 16, 1950. Class 6.

541,403. Chemical Preparation To Be Used as an Insecticide and Agricultural Fungicide. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed July 1, 1949, Serial No. 581,412. Published Jan. 9, 1951. Class 6.

541,404. Parasiticides. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed July 1, 1949, Serial No. 581,414. Published Jan. 9, 1951. Class 6.

541,405. Mechanical Sprayers for Spraying Paint, Insecticide, Herbicide, Etc. The Reardon Company, St. Louis, Mo.
Filed July 2, 1949, Serial No. 581,497. Published Jan. 9, 1951. Class 23.

541,406. Metal Working Machine Tools—Namely, Boring and Turning Machines, and Parts Thereof. American Steel Foundries, Chicago, Ill.
Filed July 8, 1949, Serial No. 581,637. Published Dec. 26, 1950. Class 23.

541,407. Chemicals for Improving the Gell-Forming Characteristics and Stability of Oil and Gas Well Drilling Fluids. Oilwell Chemical and Materials Co., Inc., Los Angeles, Calif.
Filed July 11, 1949, Serial No. 581,776. Published Jan. 16, 1951. Class 6.

541,408. Synthetic Resins for General Use In the Industrial Arts—Namely, for Treating Textiles. Monsanto Chemical Company, St. Louis, Mo.
Filed July 14, 1949, Serial No. 581,967. Published Jan. 9, 1951. Class 6.

541,409. Automotive Products—Namely, Radiator Leak Sealers, and Hydraulic Brake Fluid. Permatex Company, Inc., Brooklyn, N. Y.
Filed July 16, 1949, Serial No. 582,100. Published Jan. 9, 1951. Class 6.

541,410. Switchboards. I-T-E Circuit Breaker Company, Philadelphia, Pa.
Filed July 22, 1949, Serial No. 582,354. Published Jan. 30, 1951. Class 21.

541,411. Chemical To Prevent Algae Formations in Aquariums, and Used in Containers When Transporting Fish To Stimulate Growth of Plants in Said Containers. Oscar Nonnenmann, San Francisco, Calif.
Filed July 22, 1949, Serial No. 582,359. Published Jan. 9, 1951., Class 6.

541,412. Potted Electrical Circuit Assemblies, Etc. Melpar, Inc., Alexandria, Va.
Filed July 25, 1949, Serial No. 582,490. Published Jan. 23, 1951. Class 21.

541,413. Benzol. Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif.
Filed July 26, 1949, Serial No. 582,540. Published Jan. 9, 1951. Class 6.

541,414. Sash Pulleys, Spring Hinges, and Door Springs. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio.
Filed July 27, 1949, Serial No. 582,558. Published Jan. 9, 1951. Class 13.

541,415. Frosted, Chocolate-Covered Bananas on a Stick. Roy H. Spradlin, Lakeworth, Fla.
Filed July 27, 1949, Serial No. 582,581. Published Nov. 28, 1950. Class 46.

541,416. Louver Grids of Strip Aluminum Mounted Below Fluorescent Lamps To Diffuse Illumination Thereof and To Reduce Glare. Hunter Douglas Corporation, New York, N. Y.
Filed July 28, 1949, Serial No. 582,603. Published Feb. 6, 1951. Class 21.

541,417. Tools for Applying Tire Chains to Automobile Tires. Stoddard Products Company, Incorporated, Woodbridge and New Haven, Conn.
Filed July 28, 1949, Serial No. 582,658. Published Jan. 9, 1951. Class 23.

541,418. Electric Kitchen Ranges, Cookers, and Water Heaters, Etc. TECO Société Anonyme, Bois-de-Breux, near Liege, Belgium.
Filed July 28, 1949, Serial No. 582,665. Published Jan. 30, 1951. Class 21.

541,419. Canned Fish. Arnold Vogl, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine.
Filed July 29, 1949, Serial No. 582,707. Published Jan. 23, 1951. Class 46.

541,420. Miniature Toy Buildings. Wendell Boylan, Le Mars, Iowa.
Filed Aug. 1, 1949, Serial No. 582,767. Published Jan. 16, 1951. Class 22.

541,421. Mixture of Fatty Acids and Organic Bases, Used as an Additive to Asphalt in the Manufacture of Asphalt Structures. Armour and Company, Chicago, Ill.
Filed Aug. 10, 1949, Serial No. 583,233. Published Feb. 6, 1951. Class 6.

541,422. Hand-Operated Compression Sprayers. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 10, 1949, Serial No. 583,262. Published Dec. 12, 1950. Class 23.

541,423. Pentaerythritol Technical, Pentaerythritol Pure, Etc. Trojan Powder Company, Allentown, Pa.
Filed Aug. 12, 1949, Serial No. 583,418. Published Feb. 6, 1951. Class 6.

541,424. Fresh Grapes, Fresh Vegetables, and Fresh Melons. Wayne Thornburg, doing business as Wayne Thornburg Ranches, Litchfield Park, Ariz.
Filed Aug. 16, 1949, Serial No. 583,567. Published Oct. 3, 1950. Class 46.

541,425. Poultry Feed Supplement, the Principal Ingredients of Which Are Comminuted Animal and Vegetable Matter, Dried Brewer's Yeast, Dried Whey, Vitamins, and Minerals. E. L. M. Stores, also doing business as E. L. M. Feed Stores, Greencastle, Pa.
Filed Aug. 17, 1949, Serial No. 583,593. Published Jan. 2, 1951. Class 46.

541,426. Wallpaper. United Wallpaper, Inc., Chicago, Ill.
Filed Aug. 20, 1949, Serial No. 583,782. Published Feb. 6, 1951. Class 37.

541,427. Candy. Deran Confectionery Co., Inc., Cambridge, Mass.
Filed Aug. 24, 1949, Serial No. 583,918. Published Oct. 31, 1950. Class 46.

541,428. Candy. Paul F. Beich Co., Bloomington, Ill.
Filed Aug. 25, 1949, Serial No. 583,981. Published Nov. 28, 1950. Class 46.

541,429. Fittings for Hub and Spigot Pipe. Carl J. Hombach, Little Falls, N. J.
Filed Aug. 25, 1949, Serial No. 583,998. Published Jan 9, 1951. Class 13.

541,430. Canned and Packaged Coffee, Bottled Pure Flavoring Extracts for Food Purposes, Etc. Perloff Brothers, Inc., Philadelphia, Pa.
Filed Aug. 25, 1949, Serial No. 584,011. Published Jan. 30, 1951. Class 46.

541,431. Canned Fruits, Canned Vegetables, Fruit Cocktail, Canned Tomato Juice, Etc. Shewach Brothers, Detroit, Mich.
Filed Aug. 27, 1949, Serial No. 584,157. Published Nov. 28, 1950. Class 46.

541,432. Fresh Apples. Yakima Fruit & Cold Storage Co., Yakima, Wash.
Filed Aug. 29, 1949, Serial No. 584,210. Published Dec. 5, 1950. Class 46.

541,433. Insecticide in the Form of a Cake or Block and Container Therefor, Both Sold in Combination, for Killing Moths. The C. B. Dolge Company, Westport, Conn.
Filed Sept. 12, 1949, Serial No. 584,715. Published Feb. 6, 1951. Class 6.

541,434. Candle Display Cases. Emery Industries, Inc., Cincinnati, Ohio.
Filed Sept. 14, 1949, Serial No. 584,803. Published Feb. 6, 1951. Class 32.

541,435. Electrostatic Air Cleaner. Dualtron Company, Pittsburgh, Pa.
Filed Sept. 15, 1949, Serial No. 584,861. Published Jan. 30, 1951. Class 21.

541,436. Canned Dog Food, the Principal Ingredients Consisting of Chopped Horse Meat, Water, Wheat Flour, Tomato Puree, Onion Powder, Caramel Coloring, and Added Flavoring. Clyde Miller, doing business as Western Meat Distributors, Los Angeles, Calif.
Filed Sept. 16, 1949, Serial No. 584,916. Published Oct. 10, 1950. Class 46.

541,437. Combination Tray and Stand Particularly Suitable for Serving Buffet Luncheons and the Like. The Cal-Dak Company, Incorporated, Colton, Calif.
Filed Sept. 20, 1949, Serial No. 585,052. Published Feb. 6, 1951. Class 32.

541,438. Power Operated Single and Double Surface Planing Machines, Three and Four-Side Surface Planing Machines, and Self-Feeding Sawing Machines. Howard H. Samuel, Inc., Hackettstown, N. J.
Filed Sept. 20, 1949, Serial No. 585,081. Published Nov. 7, 1950. Class 23.

541,439. Corn Puffs Made of Prepared Corn Meal; Vegetable Oil, Butter, Cheese, and Salt. Devonsheer Melba Corporation, West New York, N. J.
Filed Sept. 24, 1949, Serial No. 585,272. Published Nov. 14, 1950. Class 46.

541,440. Fresh Strawberries. Central California Berry Growers Association, San Francisco, Calif.
Filed Sept. 26, 1949, Serial No. 585,313. Published Nov. 21, 1950. Class 46.

541,441. Organic Manure From Chickens With No Additives During Processing. Melson Fertilizer Co., Inc., Georgetown, Del.
Filed Sept. 26, 1949, Serial No. 585,341. Published Jan. 9, 1951. Class 10.

541,442. Cotton-Seed Oil for Salads and Cooking. The Southern Cotton Oil Company, New Orleans, La.
Filed Sept. 28, 1949, Serial No. 585,460. Published Nov. 14, 1950. Class 46.

541,443. Honey. Sioux Honey Association, Cooperative, doing business under the name and style of Western Honey Producers, Sioux City, Iowa.
Filed Aug. 26, 1949, Serial No. 585,487. Published Oct. 3, 1950. Class 46.

541,444. Flexible, Portable, Water-Storage Tanks, Made of Canvas. The Harodite Finishing Company, Inc., Taunton, Mass.
Filed Sept. 29, 1949, Serial No. 585,530. Published Jan. 30, 1951. Class 2.

541,445. Flexible, Portable, Water-Storage Tanks, Made of Canvas. The Harodite Finishing Company, Inc., Taunton, Mass.
Filed Sept. 29, 1949, Serial No. 585,531. Published Jan. 30, 1951. Class 2.

541,446. Duplicating Machines. Speed-O-Print Corporation, Chicago, Ill.
Filed Sept. 30, 1949, Serial No. 585,610. Published Jan 9, 1951. Class 23.

541,447. Women's Hosiery and Women's Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed Oct. 1, 1949, Serial No. 585,661. Published Feb. 6, 1951. Class 39.

541,448. Yieldable Surfaced Rollers for Use in Liquid Transferring, Spreading, Coating, Feeding, Pressing, Guiding, and the Like. Ideal Roller and Manufacturing Company, Chicago, Ill.
Filed Oct. 4, 1949, Serial No. 585,751. Published Jan. 2, 1951. Class 23.

541,449. Toy Cameras. Commonwealth Plastics Corp., Leominster, Mass.
Filed Oct. 12, 1949, Serial No. 586,144. Published Jan. 16, 1951. Class 22.

541,450. Canned Grapes. Pacific Grape Products Company, Modesto, Calif.
Filed Oct. 13, 1949, Serial No. 586,252. Published Oct. 3, 1950. Class 46.

541,451. Canned Vegetables and Canned Apple Sauce. Taylor & Siedd, Inc., Richmond, Va.
Filed Oct. 21, 1949, Serial No. 586,666. Published Nov. 28, 1950. Class 46.

541,452. Fresh Grapes. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,732. Published Feb. 6, 1951. Class 46.

541,453. Fresh Pears. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,733. Published Feb. 6, 1951. Class 46.

541,454. Fresh Grapes and Fresh Pears. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,734. Published Jan. 16, 1951. Class 46.

541,455. Electric Storage Batteries and Dry Cell Batteries and Parts Thereof. Compagnie Industrielle des Piles Electriques (C. I. P. E. L.), Neuilly-sur-Seine, France.
Filed Oct. 26, 1949, Serial No. 586,842. Published Jan. 23, 1951. Class 21.

541,456. Clutch Unit Interposed Between a Motor and a Pump Driven Thereby for Clutching and Declutching the Pump at a Predetermined Speed of the Motor. Gilbert & Barker Manufacturing Company, West Springfield, Mass.
Filed Oct. 31, 1949, Serial No. 587,082. Published Oct. 3, 1950. Class 23.

541,457. Poultry Feeding Machines. Automatic Poultry Feeder Company, Zeeland, Mich.
Filed Nov. 3, 1949, Serial No. 587,234. Published Jan. 9, 1951. Class 23.

541,458. Knitted Sweaters for Men, Women, Boys, and Girls. Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y.
Filed Nov. 3, 1949, Serial No. 587,272. Published Feb. 6, 1951. Class 39.

541,459. Wood Pulp Insulating Material for Thermal Insulating Purposes, Etc. Kimberly-Clark Corporation, Neenah, Wis.
Filed Nov. 5, 1949, Serial No. 587,386. Published Jan. 30, 1951. Class 12.

541,460. Artificial Fish Lure in the Nature of a Spoon or Spinner. P. H. Carroll, doing business as Carroll Spinner Company, Corning, Calif.
Filed Nov. 7, 1949, Serial No. 587,426. Published Jan. 16, 1951. Class 22.

541,461. Feed for Live Stock—Namely, Horses, Mules, Cows, Pigs, and Poultry. Charleston Milling Company, Charleston, W. Va.
Filed Nov. 9, 1949, Serial No. 587,533. Published Nov. 28, 1950. Class 46.

541,462. Chemical Substances Used in Treating Metals Preparatory to Stamping, Drawing, Extruding, or Other Forming or Deforming Operations. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Nov. 9, 1949, Serial No. 587,551. Published Feb. 6, 1951. Class 6.

541,463. Mattresses. Joe R. Pool, doing business as Joe R. Pool Co., Dallas, Tex.
Filed Nov. 14, 1949, Serial No. 587,749. Published Feb. 6, 1951. Class 32.

541,464. Potted Meat and Vienna Sausage. Netlee Packing Company, Chicago, Ill.
Filed Nov. 15, 1949, Serial No. 587,814. Published Nov. 28, 1950. Class 46.

541,465. Laundry Net Bags. Callaway Mills Company, La Grange, Ga.
Filed Nov. 16, 1949, Serial No. 587,850. Published Jan. 30, 1951. Class 2.

541,466. Wheat Flour, for Human Consumption. International Milling Company, Minneapolis, Minn.
Filed Nov. 16, 1949, Serial No. 587,872. Published Jan. 23, 1951. Class 46.

541,467. Synthetic Organic Chemical Compositions for Imparting Color and Especially for Dyeing and Otherwise Coloring Textile Fibers. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,925. Published Feb. 6, 1951. Class 6.

541,468. Synthetic Organic Coloring Compositions, Especially of the Phthalocyanine Class. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,928. Published Feb. 6, 1951. Class 6.

541,469. Whole Spices, Ground Spices, Seeds for Food Flavoring Purposes, Etc. McCormick & Company, Inc., Baltimore, Md.
Filed Nov. 18, 1949, Serial No. 588,037. Published Dec. 12, 1950. Class 46.

541,470. Ingredients To Be Used in Poultry Feeds—Namely, Pulverized Oats, Skim Milk Powder and Sardine Fish Meal. The Fox Company, Newfield, N. J.
Filed Nov. 22, 1949, Serial No. 588,170. Published Jan. 2, 1951. Class 46.

541,471. Vegetable Shortening. Swift & Company, doing business under the trading name of Armstrong Packing Company, Chicago, Ill.
Filed Nov. 25, 1949, Serial No. 588,332. Published Jan. 2, 1951. Class 46.

541,472. Portable Electrically Operated Saws. W. R. Vermillion Co., Inc., Kansas City, Mo.
Filed Nov. 25, 1949, Serial No. 588,340. Published Jan. 23, 1951. Class 21.

541,473. Canned Mushrooms. Delaware Mushroom Cooperative Association, Wilmington, Del.
Filed Nov. 29, 1949, Serial No. 588,482. Published Dec. 12, 1950. Class 46.

541,474. Liver Paste Mix. Sell's Specialties, Inc., New York, N. Y.
Filed Dec. 5, 1949, Serial No. 588,815. Published Dec. 5, 1950. Class 46.

541,475. Fish and Frozen Shellfish. Sea Pantry Co., Los Angeles, Calif.
Filed Dec. 10, 1949, Serial No. 589,173. Published Feb. 6, 1951. Class 46.

541,476. Chemical Preparations Useful for the Stimulation of Seed Potatoes. American Chemical Paint Company, Ambler, Pa.
Filed Dec. 14, 1949, Serial No. 589,302. Published Jan. 9, 1951. Class 10.

541,477. Audio Amplifiers and Pre-Amplifiers and Parts Thereof. H. J. Leak & Co. Ltd., London, England.
Filed Dec. 14, 1949, Serial No. 589,323. Published Jan. 23, 1951. Class 21.

541,478. Pianos. H. & A. Selmer, Inc., Elkhart, Ind.
Filed Dec. 14, 1949, Serial No. 589,339. Published Jan. 23, 1951. Class 36.

541,479. Golf Balls and Golf Clubs. Wieboldt Stores, Inc., Chicago, Ill.
Filed Dec. 17, 1949, Serial No. 589,542. Published Jan. 16, 1951. Class 22.

541,480. Toy Fingerprinting Set. Clifford B. Lyon, doing business as Fingerprint Identification Service Co., Sandusky, Ohio.
Filed Nov. 26, 1949, Serial No. 589,623. Published Jan. 16, 1951. Class 22.

541,481. Carbon Black. Sid Richardson Carbon Co., Fort Worth, Tex.
Filed Dec. 20, 1949, Serial No. 589,680. Published Feb. 6, 1951. Class 6.

541,482. Carbon Black. Sid Richardson Carbon Co., Fort Worth, Tex.
Filed Dec. 20, 1949, Serial No. 589,681. Published Feb. 6, 1951. Class 6.

541,483. Furniture and Furnishings—Namely, Beds, Etc. Jackson Furniture Company, Oakland, Sacramento, Vallejo, and Walnut Creek, Calif.
Filed Dec. 21, 1949, Serial No. 589,725. Published Jan. 9, 1951. Class 32.

541,484. Display Bins, Display Cabinets, Display Cases, Etc. Duranol Products, Inc., Brooklyn, N. Y.
Filed Dec. 23, 1949, Serial No. 590,001. Published Jan. 9, 1951. Class 32.

541,485. Food Product in Powder Form Containing Powdered Protein Milk, Etc. Mead Johnson & Company, Evansville, Ind.
Filed Dec. 30, 1949, Serial No. 590,172. Published Nov. 14, 1950. Class 46.

541,486. Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Nectars, Dried Fruits. The East Asiatic Company, Inc., San Francisco, Calif.
Filed Jan. 3, 1950, Serial No. 590,262. Published Nov. 14, 1950. Class 46.

541,487. Chemically Treated Colloidal Clay, Adapted for Use as a Decolorizing, Bleaching, Filtering, Purifying, Adsorbing, and Catalytic Medium. Filtrol Corporation, Los Angeles, Calif.
Filed Jan. 4, 1950, Serial No. 590,309. Published Feb. 6, 1951. Class 6.

541,488. Cheese. Einer Pedersen, doing business as Cody Sanidary, Cody, Wyo.
Filed Jan. 5, 1950, Serial No. 590,385. Published Jan. 2, 1951. Class 46.

541,489. Hand Lotion. A. L. Pearce, Cheyenne, Wyo.
Filed Jan. 6, 1950, Serial No. 590,452. Published Jan. 30, 1951. Class 51.

541,490. Wheat Flour. International Milling Company, Minneapolis, Minn.
Filed Jan. 7, 1950, Serial No. 590,506. Published Jan. 16, 1951. Class 46.

541,491. Chemical Composition for Treating Well Drilling Muds. Southern Alkali Corporation, Corpus Christi, Tex.
Filed Jan. 7, 1950, Serial No. 590,526. Published Feb. 6, 1951. Class 6.

541,492. Chemical Composition for Treating Well Drilling Muds. Southern Alkali Corporation, Corpus Christi, Tex.
Filed Jan. 7, 1950, Serial No. 590,527. Published Feb. 6, 1951. Class 6.

541,493. Bread. Public Baking Co., Inc., New York, N. Y.
Filed Dec. 21, 1949, Serial No. 590,856. Published Jan. 2, 1951. Class 46.

541,494. Fertilizer. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Filed Jan. 17, 1950, Serial No. 591,006. Published Jan. 9, 1951. Class 10.

541,495. Forms for Holding Ties While Pressing Them. Vic Kaiser, doing business under the trade name of Vic Kaiser Products, Indianapolis, Ind.
Filed Jan. 19, 1950, Serial No. 591,088. Published Jan. 23, 1951. Class 24.

541,496. Pieces of Bacon Rind Which Have Been Processed, Fried, and Salted. George A. Darrow, doing business under the name of Baconette Products Company, Los Angeles, Calif.
Filed Jan. 20, 1950, Serial No. 591,152. Published Feb. 6, 1951. Class 46.

541,497. Valves—Namely, Gate Valves, Plug Valves, and Relief Valves. Cameron Iron Works, Inc., Houston, Tex.
Filed Jan. 21, 1950, Serial No. 591,221. Published Jan. 9, 1951. Class 13.

541,498. Starch. The M. Werk Company, St. Bernard, Ohio.
Filed Jan. 21, 1950, Serial No. 591,266. Published Feb. 6, 1951. Class 6.

541,499. Candied Pop Corn Confection. Chocolate Pop Corn Co., Kingston, Pa.
Filed Jan. 23, 1950, Serial No. 591,281. Published Jan. 23, 1951. Class 46.

541,500. Soil Conditioning Material. Gregg Lumber Company, Grand Rapids, Mich.
Filed Jan. 23, 1950, Serial No. 591,293. Published Jan. 9, 1951. Class 10.

541,501. Wheat Flour for Human Consumption. International Milling Company, Minneapolis, Minn.
Filed Jan. 26, 1950, Serial No. 591,483. Published Dec. 19, 1950. Class 46.

541,502. Chewing Gum. American Chewing Products Corp., Newark, N. J.
Filed Jan. 27, 1950, Serial No. 591,539. Published Jan. 23, 1951. Class 46.

541,503. Mattresses and Box Springs. Gordon, Sleeprite Corp., Baltimore, Md.
Filed Jan. 30, 1950, Serial No. 591,674. Published Feb. 6, 1951. Class 32.

541,504. Candies. Heller Candy Company, Inc., New York, N. Y.
Filed Jan. 30, 1950, Serial No. 591,682. Published Jan. 23, 1951. Class 46.

541,505. Mattresses, Box Springs, and Studio Couches. A. J. Logan Company, Pittsburgh, Pa.
Filed Jan. 31, 1950, Serial No. 591,743. Published Feb. 6, 1951. Class 32.

541,506. Audio Frequency Amplifiers Comprising Assembled Units, Etc. Webster Electric Company, Racine, Wis.
Filed Jan. 31, 1950, Serial No. 591,757. Published Jan. 23, 1951. Class 21.

541,507. Putty, Trowel Cement, Seam Composition for Boat Decks, Etc. H. B. Fred Kuhls, Brooklyn, N. Y.
Filed Feb. 1, 1950, Serial No. 591,785. Published Jan. 30, 1951. Class 12.

541,508. Candy. Miss Saylor's Chocolates, Inc., Alameda, Calif.
Filed Feb. 1, 1950, Serial No. 591,802. Published Feb. 6, 1951. Class 46.

541,509. Suitable Attachment to Cast Iron Pressure Pipe and Pipe Fittings Manufactured for Sale by Any and All of the Individual Members of Applicant Association. Cast Iron Pipe Research Association, Chicago, Ill.
Filed Feb. 4, 1950, Serial No. 591,978. COLLECTIVE MARK. Published Jan. 9, 1951. Class 13.

541,510. Cereal Breakfast Foods. Van Brode Milling Co., Inc., Clinton, Mass.
Filed Feb. 8, 1950, Serial No. 592,122. Published Feb. 6, 1951. Class 46.

541,511. Stainless Steel Container With External Water Inlet and Water Outlet To Drain and an Overflow Tube, To Provide Running Water for Rinsing Ice Cream Scoops and Paddles. Fred T. Perry, doing business under the name and style of The Dipwell Company, Erie, Pa.
Filed Feb. 13, 1950, Serial No. 592,386. Published Jan. 9, 1951. Class 13.

541,512. Bed Pillows and Innerspring Mattresses. R. H. Macy & Co., Inc., New York, N. Y.
Filed Dec. 29, 1949, Serial No. 592,731. Published Feb. 6, 1951. Class 32.

541,513. Women's and Girls' Stockings. Fantashere, Inc., Buffalo, N. Y.
Filed Feb. 23, 1950, Serial No. 592,890. Published Feb. 6, 1951. Class 39.

541,514. Women's and Girls' Stockings. Fantashere, Inc., Buffalo, N. Y.
Filed Feb. 23, 1950, Serial No. 592,891. Published Feb. 6, 1951. Class 39.

541,515. Cheese. August C. Kirchhoff & Co., Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,913. Published Jan. 16, 1951. Class 46.

541,516. Cross Rods for Operating Latch Release Panic Exit Devices. Vonnegut Hardware Company, Indianapolis, Ind.
Filed Feb. 23, 1950, Serial No. 592,957. Published Jan. 9, 1951. Class 13.

541,517. Food Colors. Sterwin Chemicals Inc., New York, N. Y.
Filed Feb. 27, 1950, Serial No. 593,145. Published Jan. 23, 1951. Class 46.

541,518. Tractor Tracks and Tractors Including Track Laying Tractors for Hauling Cargo, Guns and Artillery. Marmon-Herrington Company, Inc., Indianapolis, Ind.
Filed Mar. 1, 1950, Serial No. 593,231. Published Jan. 2, 1951. Class 23.

541,519. Woodworking Tools—Namely, Dado Heads, Shaper Collars and Insertable Knife Blades for Same. Jet Tool Co., San Diego, Calif.
Filed Mar. 3, 1950, Serial No. 593,355. Published Jan. 2, 1951. Class 23.

541,520. Filing Boxes. Biblio-File Co., Evanston, Ill.
Filed Mar. 4, 1950, Serial No. 593,391. Published Jan. 9, 1951. Class 32.

541,521. Chemically Treated Starch in Powdered Form for Use in the Paper Industry and in the Manufacture of Adhesives. A. M. Meincke & Son, Inc., Chicago, Ill.
Filed Mar. 4, 1950, Serial No. 593,425. Published Feb. 6, 1951. Class 6.

541,522. Fresh Citrus Fruits. Haines City Citrus Growers Association, Haines City, Fla.
Filed Mar. 7, 1950, Serial No. 593,539. Published Jan. 23, 1951. Class 46.

541,523. Television Sets and Television Sets in Combination With Radio-Phonographs. Grinnell Brothers, Detroit, Mich.
Filed Mar. 11, 1950, Serial No. 593,796. Published Feb. 6, 1951. Class 21.

541,524. Sandwiches. John H. Fleener, Olympia, Wash.
Filed Mar. 9, 1950, Serial No. 593,847. Published Feb. 6, 1951. Class 46.

541,525. Portable Steel Belt Conveyors. James D. Hurlbert, Eufaula, Ala.
Filed Mar. 15, 1950, Serial No. 593,989. Published Jan. 2, 1951. Class 23.

541,526. Fresh Vegetables. Moe Boris, doing business as Mo-Bo Produce Company, Pompano Beach, Fla.
Filed Mar. 17, 1950, Serial No. 594,096. Published Jan. 30, 1951. Class 46.

541,527. Laundry Bleach Compound. Frank J. Capuzello, doing business as E-Z White Chemical Products Company, Youngstown, Ohio.
Filed Mar. 17, 1950, Serial No. 594,101. Published Feb. 6, 1951. Class 6.

541,528. Beverage-Supporting Tray for Card Table Attachment. Roglo, Inc., Milwaukee, Wis.
Filed Mar. 17, 1950, Serial No. 594,148. Published Jan. 9, 1951. Class 32.

541,529. Compressed Air Pumps and Spraying Machines. Ronnoco Export Development Company Limited, London, England.
Filed Mar. 17, 1950, Serial No. 594,149. Published Jan. 2, 1951. Class 23.

541,530. Card Games. Ziegler Games, Hickman Mills, Mo.
Filed Mar. 20, 1950, Serial No. 594,302. Published Jan. 16, 1951. Class 22.

541,531. Upholstery Nails, Furniture Nails, and Furniture Glides. American Tack Co., Inc., New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,432. Published Jan. 9, 1951. Class 13.

541,532. Dyestuffs. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Mar. 23, 1950, Serial No. 594,439. Published Feb. 6, 1951. Class 6.

541,533. Fresh Vegetables. R. E. Herring & Son, Eagle Pass, Tex.
Filed Mar. 23, 1950, Serial No. 594,458. Published Jan. 30, 1951. Class 46.

541,534. Fresh Vegetables and Fresh Tomatoes. R. E. Herring & Son, Eagle Pass, Tex.
Filed Mar. 23, 1950, Serial No. 594,459. Published Jan. 30, 1951. Class 46.

541,535. Dolls. Ideal Novelty & Toy Co., Hollis, N. Y.
Filed Mar. 23, 1950, Serial No. 594,464. Published Jan. 16, 1951. Class 22.

541,536. Pillows, Cushions, and Chair Pads. Leonard M. Schur, Inc., New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,499. Published Jan. 23, 1951. Class 32.

541,537. Metal Springs Sold to Manufacturers of Furniture and Bedding for Use in Said Furniture and Bedding. Los Angeles Inner Spring Co., Vernon, Calif.
Filed Mar. 24, 1950, Serial No. 594,556. Published Feb. 6, 1951. Class 32.

541,538. Deck and Floor Paint. F. O. Pierce Company, Long Island City, N. Y.
Filed Mar. 24, 1950, Serial No. 594,575. Published Jan. 30, 1951. Class 16.

541,539. Mechano-Electric Energy Transducers—Namely, Phonograph Pick-Ups and Parts Thereof. Sonotone Corporation, Elmsford, N. Y.
Filed Mar. 25, 1950, Serial No. 594,669. Published Feb. 6, 1951. Class 21.

541,540. Coasting Sleds. Standard Novelty Works, Duncannon, Pa.
Filed Mar. 30, 1950, Serial No. 594,924. Published Jan. 16, 1951. Class 22.

541,541. Canned Sardines. Bath Canning Company, Inc., Bath, Maine.
Filed Mar. 31, 1950, Serial No. 594,944. Published Feb. 6, 1951. Class 46.

541,542. Canned Sardines. Bath Canning Company, Inc., trading under the name of Bath Canning Co., Bath, Maine.
Filed Mar. 31, 1950, Serial No. 594,945. Published Feb. 6, 1951. Class 46.

541,543. Canned Vegetables—Namely, Turnip Greens, Etc. Steele Canning Company, Springdale, Ark.
Filed Mar. 31, 1950, Serial No. 595,010. Published Jan. 23, 1951. Class 46.

541,544. Canned Tomatoes With Tomato Paste, Canned Tomato Paste, and Canned Olive Oil. Moschetti Bros., Brooklyn, N. Y.
Filed Mar. 18, 1950, Serial No. 595,116. Published Jan. 23, 1951. Class 46.

541,545. Dart Game. Gerald H. Morris, Jr., doing business under the name and style of Fun Fad Company, Atlanta, Ga.
Filed Apr. 5, 1950, Serial No. 595,270. Published Jan. 16, 1951. Class 22.

541,546. Counters, and Tables, and Tops for Counters and Tables. The Aldon Products Company, Duncannon, Pa.
Filed Apr. 11, 1950, Serial No. 595,525. Published Jan. 9, 1951. Class 32.

541,547. Skewers. John Clark Brown, Belleville, N. J.
Filed Apr. 12, 1950, Serial No. 595,593. Published Jan. 9, 1951. Class 13.

541,548. Furniture Leg Caps. The National Plastic Products Company, Odenton, Md.
Filed Apr. 13, 1950, Serial No. 595,673. Published Jan. 30, 1951. Class 32.

541,549. Rock, Ore, Sand and Gravel Handling Equipment, Etc. Smith Engineering Works, Milwaukee, Wis.
Filed Apr. 21, 1950, Serial No. 596,126. Published Jan. 2, 1951. Class 23.

541,550. Storage Batteries. Royal Battery Corporation, Paterson, N. J.
Filed Apr. 27, 1950, Serial No. 596,443. Published Jan. 23, 1951. Class 21.

541,551. Electric Sewing Machines and Attachments. National Sewing Machine Company, Belvidere, Ill.
Filed Apr. 28, 1950, Serial No. 596,508. Published Jan. 9, 1951. Class 23.

541,552. Electric Sewing Machines and Attachments. National Sewing Machine Company, Belvidere, Ill.
Filed Apr. 28, 1950, Serial No. 596,509. Published Jan. 9, 1951. Class 23.

541,553. Electric Sewing Machines and Attachments. National Sewing Machine Company, Belvidere, Ill.
Filed Apr. 28, 1950, Serial No. 596,510. Published Jan. 9, 1951. Class 23.

541,554. Lubricant Impregnated Fabric Bearings and Bushings, Lubricant Impregnated Fabric Ball Stud Assemblies, Etc. O. & S. Bearing Company, Detroit, Mich.
Filed May 5, 1950, Serial No. 596,934. Published Nov. 28, 1950. Class 23.

541,555. Knives. Sheffield Fine Cutlery Co., Inc., Uxbridge, Mass.
Filed May 6, 1950, Serial No. 597,019. Published Jan. 16, 1951. Class 23.

541,556. Cut Flower Food. Edwin J. Flanagan, doing business as E. J. Flanagan & Son, Lynn, Mass.
Filed May 16, 1950, Serial No. 597,517. Published Jan. 2, 1951. Class 10.

541,557. Laminated Electrically Non-Conductive Paper Tubing Used as Winding Bases for Electrical Inductance Coils. Formalite Corporation, Chicago, Ill.
Filed May 16, 1950, Serial No. 597,519. Published Jan. 23, 1951. Class 21.

541,558. Toilet Preparations, Perfumery, and Cosmetics—Namely, Perfume, Toilet Waters, Lipsticks, Face Powders, Toilet Creams, and Rouge. Les Parfums de Dana, Inc., New York, N. Y.
Filed May 25, 1950, Serial No. 598,084. Published Jan. 23, 1951. Class 51.

541,559. Choke Coils and Transformers. Triad Transformer Mfg. Co., Los Angeles, Calif.
Filed June 5, 1950, Serial No. 598,617. Published Jan. 30, 1951. Class 21.

541,560. Refractory Brick. E. J. Lavino and Company, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,658. Published Jan. 30, 1951. Class 12.

541,561. Refractory Brick. E. J. Lavino and Company, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,659. Published Jan. 30, 1951. Class 12.

541,562. Electric Horns. Jubilee Manufacturing Company, Omaha, Nebr.
Filed June 12, 1950, Serial No. 598,955. Published Jan. 30, 1951. Class 21.

541,563. Electric Ranges. The Dortch Stove Works, Inc., Franklin, Tenn.
Filed June 13, 1950, Serial No. 598,989. Published Jan. 30, 1951. Class 21.

541,564. Fertilizer. Ralph W. Gilmore, doing business under the name of Gilmore and Company, Brundidge, Ala.
Filed June 14, 1950, Serial No. 599,089. Published Jan. 2, 1951. Class 10.

541,565. Household Accessories—Namely, Ironing Board Covers and Pads. Herbert Glatt, doing business as Magla Products, Newark, N. J.
Filed June 17, 1950, Serial No. 599,324. Published Jan. 16, 1951. Class 24.

541,566. Thermosetting Electrical Insulating Liquid. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed June 19, 1950, Serial No. 599,383. Published Jan. 30, 1951. Class 21.

541,567. Electric Cooking Stoves and Ranges. Detroit-Michigan Stove Company, Detroit, Mich.
Filed June 21, 1950, Serial No. 599,503. Published Jan. 30, 1951. Class 21.

541,568. Electric Switches. Federal Electric Products Company, Newark, N. J.
Filed June 24, 1950, Serial No. 599,702. Published Jan. 30, 1951. Class 21.

541,569. Electric Heaters—Namely, Electric Air Heaters. Wesix Electric Heater Co., San Francisco, Calif.
Filed June 24, 1950, Serial No. 599,726. Published Feb. 6, 1951. Class 21.

541,570. Radio Receivers and Parts Thereof and Television Receivers and Parts Thereof. Philco Corporation, Philadelphia, Pa.
Filed June 30, 1950, Serial No. 600,074. Published Jan. 30, 1951. Class 21.

541,571. Electrical Resistors, Capacitors, and Reactors, or Combination of Same. Continental Carbon, Inc., Cleveland, Ohio.
Filed July 8, 1950, Serial No. 600,374. Published Feb. 6, 1951. Class 21.

541,572. Ironing Board Pads. Norman Merkin, doing business under the name and style of Mme. Merkin Company, Boston, Mass.
Filed July 20, 1950, Serial No. 600,965. Published Jan. 30, 1951. Class 24.

541,573. Electrically Actuated Automatic Cycle Controls for Machines for Mulling and Processing Molding Sand and Other Material. Pettibone Mulliken Corporation, Chicago, Ill.
Filed July 20, 1950, Serial No. 600,971. Published Feb. 6, 1951. Class 21.

541,574. Clothes Dryers. The Taylor Corporation, Alliance, Ohio.
Filed July 25, 1950, Serial No. 601,240. Published Jan. 23, 1951. Class 24.

Service Marks

541,575. Weaving and Mending Garments. Wonder Weavers, New Haven, Conn.
Filed July 5, 1947, Serial No. 526,721. Published Jan. 30, 1951. Class 103.

541,576. Services to the Members of the Association—Namely, Instruction for the Construction, Operation and Maintenance of Rifle Ranges, Etc. National Rifle Association of America, Washington, D. C.
Filed July 10, 1947, Serial No. 528,300. Published Jan. 30, 1951. Class 100.

541,577. Radio Program Broadcasting. Carl E. Haymond, Tacoma, Wash.
Filed Sept. 24, 1947, Serial No. 535,524. Published Jan. 30, 1951. Class 104.

541,578. Credit Financing Services. The First National Bank and Trust Company of Bridgeport, Bridgeport, Conn.
Filed July 30, 1948, Serial No. 562,553. Published Apr. 25, 1950. Class 102.

541,579. Professional Teaching of Playing of Musical Instruments. Miller-Dowd Music Company, Cincinnati, Ohio.
Filed Aug. 12, 1948, Serial No. 563,271. Published Jan. 30, 1951. Class 107.

541,580. Banking Services—Namely, Financing, Credit and Loan Services, Etc. The National City Bank of New York, New York, N. Y., and elsewhere in the city of New York, and in foreign countries.
Filed Nov. 5, 1949, Serial No. 587,393. Published Jan. 30, 1951. Class 102.

541,581. Electro-Plating With Copper, Nickel, and Chrome and Other Metals. Auto City Plating Co., Detroit, Mich.
Filed Dec. 5, 1949, Serial No. 588,784. Published Jan. 16, 1951. Class 106.

541,582. Air Transportation of Persons, Property, and Mail. Transcontinental & Western Air, Inc., Kansas City, Mo.
Filed Mar. 20, 1950, Serial No. 594,298. Published Jan. 30, 1951. Class 105.

Certification Marks

541,583. Canned Meats. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill.
Filed Aug. 3, 1949, Serial No. 582,876. Published Jan. 16, 1951. Class 46.

541,584. Fish. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill.
Filed Aug. 3, 1949, Serial No. 582,877. Published Jan. 16, 1951. Class 46.

541,585. Sausage. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill.
Filed Aug. 3, 1949, Serial No. 582,880. Published Jan. 16, 1951. Class 46.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

541,586. (Class 46. Foods and Ingredients of Foods.) Fox Valley Canning Company, Hortonville, Wis. Original filed, act of 1905, Dec. 11, 1946; amended to application under act of 1946, Supplemental Register, Jan. 30, 1951, Serial No. 514,023.

NU-GREEN

For Canned Peas.
Claims use since June 1, 1946.

541,587. (Class 19. Vehicles.) Francis W. Hagerty, Cohasset, Mass. Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, Mar. 10, 1948; amended to Supplemental Register, Jan. 20, 1951, Serial No. 519,392.

SEA SHELL

For Row-Boats, Sail-Boats and Boat Kits Comprising Prefabricated Parts for Row-Boats and Sail-Boats in Knocked-Down Form.
Claims use since Jan. 10, 1947.

541,588. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Henry A. Goode, Booker, Tex. Original filed, act of 1905, Apr. 3, 1947; amended to application under act of 1946, Supplemental Register, May 12, 1948, Serial No. 520,099.

The Wheatland Chisel

The word "Chisel" is disclaimed.
For Plows.
Claims use since July 20, 1946.

541,589. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Steelsharp Manufacturing Co., assignee of Robert W. Broberg, doing business as Steelsharp Manufacturing Co., Racine, Wis. Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Supplemental Register, Feb. 28, 1949, Serial No. 522,267.

STEELSHARP MANUFACTURING CO.

For Knife Sharpeners.
Claims use since Apr. 6, 1947.

541,590. (Class 46. Foods and Ingredients of Foods.) Coldwater Seafood Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 28, 1947; amended to application, Supplemental Register, Oct. 22, 1948, Serial No. 532,691.

FRESHER BRAND

For Frozen Seafoods—Namely, Frozen Codfish and Haddock.
Claims use since July 2, 1947.

541,591. (Class 46. Foods and Ingredients of Foods.) Monte Vista Citrus Association, Riverside, Calif. Original filed, act of 1946, Principal Register, Oct. 17, 1947; amended to application, Supplemental Register, Jan. 13, 1949, Serial No. 538,156.

MONTE VISTA

For Fresh Citrus Fruits.
Claims use since 1936.

541,592. (Class 46. Foods and Ingredients of Foods.) Ed Wong, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Nov. 7, 1947; amended to application, Supplemental Register, May 29, 1950, Serial No. 540,508.

GLASS HOUSE

For Fresh Vegetables.
Claims use since Oct. 25, 1947.

541,593. (Class 19. Vehicles.) Kibbey W. Couse, Newark, N. J. Filed Nov. 14, 1947, Serial No. 541,094.

COUSE

Applicant claims ownership of Registration No. 409,806.
For Motor Trucks and Airplane Service and Repair Trucks.
Claims use since Apr. 4, 1945.

541,594. (Class 52. Detergents and Soaps.) E. F. Drew & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 28, 1947; amended to application, Supplemental Register, Nov. 7, 1949, Serial No. 542,548.

PURRFECT

Applicant claims ownership of Registration No. 512,387.
For Detergent Compositions Adapted for Cleaning Automotive Engines, Bodies and Parts Thereof.
Claims use since Apr. 15, 1947.

541,595. (Class 46. Foods and Ingredients of Foods.) W. & S. Packing Company, Salinas, Calif. Original filed, act of 1946, Principal Register, Dec. 19, 1947; amended to application, Supplemental Register, Jan. 11, 1949, Serial No. 544,944.

FIRM HEART

For Fresh Lettuce.
Claims use since Dec. 5, 1947.

541,596. (Class 16. Paints and Painters' Materials.) Badger Paint & Hardware Stores, Inc., doing business as Badger Paint and Varnish Works, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Feb. 2, 1948; amended to application, Supplemental Register, June 28, 1949, Serial No. 548,562.

Beats-All

For Ready-Mixed Paint, Varnish, Paint Dryers, Paint Enamels, Wood Stains, Liquid Paint and Varnish Removers, and White Lead.
Claims use since 1933.

541,597. (Class 39. Clothing.) Jack Kessler, doing business under the trade-name Newland Infants Wear Co., Brooklyn, N. Y. Filed Mar. 9, 1948, Serial No. 551,569.

NEWLAND

For Pajamas, Overalls, Sleepers, Infants' Bibs, Kimonos, Night Gowns and Creepers for Children.
Claims use since Jan. 15, 1942.

541,598. (Class 40. Fancy Goods, Furnishings, and Notions.) Tresses of Hair, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 18, 1948; amended to application, Supplemental Register, Dec. 18, 1950, Serial No. 563,701.

Tresses

For Hair Pieces, Made of Human Hair—Namely, Switches, Puffs, Braids, and Wigs for Personal Wear.
Claims use since Aug. 28, 1947.

541,599. (Class 33. Glassware.) Dart Craftsman Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 11, 1948; amended to application, Supplemental Register, Feb. 9, 1950, Serial No. 564,989.

RING FOR A DRINK

For Drinking Glasses.
Claims use since Jan. 2, 1948.

541,600. (Class 46. Foods and Ingredients of Foods.) Ve-Bo Product Co., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 23, 1948; amended to application, Supplemental Register, Feb. 13, 1950, Serial No. 565,738.

實味 Ve-Bo

The words "Ve-Bo" and the Chinese characters are interpreted in the Chinese language as meaning the essence of precious flavor.
For Powdered Product for Flavoring and Seasoning Food Containing Principally Sodium Glutamate, Sodium Chloride and Sugar.
Claims use since February 1947.

541,601. (Class 46. Foods and Ingredients of Foods.) Fisher Dairy & Cheese Co., Wapakoneta, Ohio. Original filed, act of 1946, Principal Register, Nov. 10, 1948; amended to application, Supplemental Register, Mar. 13, 1950, Serial No. 568,502.

MELLOW AGE

For Cheese.
Claims use since Aug. 11, 1948.

541,602. (Class 12. Construction Materials.) Malanco, Inc., Blue Island, Ill. Original filed, act of 1946, Principal Register, Feb. 24, 1949; amended to application, Supplemental Register, July 14, 1950, Serial No. 574,674.

Jac Strip

For Molding Strips of Specially Treated Material Such as Coated Plastics, or Asphalt Impregnated Felt or Fibrous Material for Use as Reinforcing or Retaining Strips.
Claims use since Dec. 7, 1948.

541,603. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Kee Zipper Co., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 13, 1950; amended to application, Supplemental Register, June 13, 1950, Serial No. 574,969.

KEE the zipper with the key

Applicant claims ownership of Registration No. 512,017.
For Separable Slide Fasteners.
Claims use since Sept. 10, 1948.

541,604. (Class 46. Foods and Ingredients of Foods.) Dominion Products, Inc., Long Island City, N. Y. Original filed, act of 1946, Principal Register, Apr. 30, 1949; amended to application, Supplemental Register, June 27, 1950, Serial No. 578,011.

STALE-X

For Edible Glyceryl Ester of a Fatty Acid Incorporated Into Baked Products and Capable of Retarding Their Staling.
Claims use since Feb. 25, 1949.

541,605. (Class 39. Clothing.) Nebel Knitting Company, Charlotte, N. C. Original filed, act of 1946, Principal Register, May 24, 1949; amended to application, Supplemental Register, July 18, 1950, Serial No. 579,445.

"Slenderlook"

For Ladies' Hosiery.
Claims use since Mar. 9, 1948.

541,606. (Class 39. Clothing.) H. H. Brown Shoe Co., Inc., Worcester, Mass. Original filed, act of 1946, Principal Register, June 8, 1949; amended to application, Supplemental Register, May 4, 1950, Serial No. 580,120.

Flex-Shu

For Men's and Boys' Shoes.
Claims use since November 1928.

541,607. (Class 46. Foods and Ingredients of Foods.) St. Joe Valley Brands, St. Joe, Ind. Original filed, act of 1946, Principal Register, July 30, 1949; amended to application, Supplemental Register, Nov. 29, 1950, Serial No. 582,740.

ST. JOE VALLEY BRAND

The word "Brand" is disclaimed.
For Sweet Pickles, Dill Pickles, Pickled Peppers, Horseradish, Pickle Relish, Prepared Mustard and Pickled Onions.
Claims use since February 1927.

541,608. (Class 46. Foods and Ingredients of Foods.) St. Joe Valley Brands, St. Joe, Ind. Original filed, act of 1946, Principal Register, July 30, 1949; amended to application, Supplemental Register, Nov. 29, 1950, Serial No. 582,741.

Seckler's

The mark consists of the name "Seckler's."
For Pickled Onions.
Claims use since Nov. 15, 1948.

541,609. (Class 4. Abrasives and Polishing Materials.) Allied Home Products Corporation, Beloit, Wis. Original filed, act of 1946, Principal Register, Aug. 5, 1949; amended to application, Supplemental Register, Sept. 16, 1950, Serial No. 583,017.

WAX-E-WASH

For Compound for Use on Automobiles Which Washes, Waxes and Polishes in One Operation.
Claims use since Apr. 1, 1948.

541,610. (Class 38. Prints and Publications.) Draper Corporation, Portland, Maine, and Hopedale, Mass. Original filed, act of 1946, Principal Register, Aug. 11, 1949; amended to application, Supplemental Register, Oct. 12, 1950, Serial No. 583,336.

DRAPER DIGEST

For Publications Relating to Textile and Allied Subjects and Issued at Irregular Intervals.
Claims use since July 13, 1949.

541,611. (Class 6. Chemicals and Chemical Compositions.) Axel K. Heldemann, doing business as Pur-O-Dor Co., Bremerton, Wash. Original filed, act of 1946, Principal Register, Aug. 12, 1949; amended to application, Supplemental Register, June 14, 1949, Serial No. 583,395.

Pur-o-dor

For Chemically Treated Deodorizing Cakes.
Claims use since Apr. 6, 1948.

541,612. (Class 18. Medicines and Pharmaceutical Preparations.) Hudson Products Company, Long Beach, Calif. Original filed, act of 1946, Principal Register, Sept. 14, 1949; amended to application, Supplemental Register, Jan. 3, 1951, Serial No. 584,813.

SLEEP-EZE

Applicant claims ownership of Registration No. 372,206.
For Mild Sedative
Claims use since Aug. 12, 1948.

541,613. (Class 46. Foods and Ingredients of Foods.) Maurice E. McDonald, doing business as Rainbo-Rancho Trout Farm, Empire, Colo. Original filed, act of 1946, Principal Register, Sept. 22, 1949; amended to application, Supplemental Register, Oct. 30, 1950, Serial No. 585,180.

RAINBO-RANCHO

For Fresh Fish, More Particularly Mountain Trout.
Claims use since Dec. 8, 1948.

541,614. (Class 39. Clothing.) Adolph Schlussler, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 1, 1949; amended to application, Supplemental Register, Sept. 26, 1950, Serial No. 585,685.

Staydry

For Baby Diapers.
Claims use since Sept. 6, 1949.

541,615. (Class 46. Foods and Ingredients of Foods.) Rex Macaroni Products Co., Inc., Lawrence and Boston, Mass. Original filed, act of 1946, Principal Register, Oct. 14, 1949; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 586,312.

ISRAELI

For Egg Noodles.
Claims use since Jan. 15, 1949.

541,616. (Class 39. Clothing.) Daniel Wiser trading and doing business as Weissmiller Manufacturing Co., Reading Pa. Original filed, act of 1946, Principal Register, Oct. 28, 1949; amended to application, Supplemental Register, Oct. 27, 1950, Serial No. 586,998.



The portrait of the man is fanciful.
For Men's Underwear.
Claims use since Sept. 30, 1949.

541,617. (Class 46. Foods and Ingredients of Foods.) Harry Akin, Austin, Tex. Original filed, act of 1946, Principal Register, Oct. 12, 1949; amended to application, Supplemental Register, Aug. 29, 1950, Serial No. 587,156.



Applicant claims ownership of Registration No. 394,010.
For Hamburger Sandwiches.
Claims use since Apr. 6, 1934.

541,618. (Class 12. Construction Materials.) Western Insulated Products Co., St. Helens, Oreg. Filed Nov. 4, 1949, Serial No. 587,373.

PANELSHAKE

For Prefabricated Surfacing Sections for Exterior Wall Covering, Specifically Fabricated Shakes, Shake Panels, or Exterior Wall Sections Having a Shake-Like Surface.
Claims use since July 1, 1948.

541,619. (Class 46. Foods and Ingredients of Foods.) E. G. Whitman & Co., Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Nov. 5, 1949; amended to application, Supplemental Register, Dec. 8, 1950, Serial No. 587,408.

Merion

The mark consists of the word "Merion."
For Candy.
Claims use since Sept. 20, 1949.

541,620. (Class 6. Chemicals and Chemical Compositions.) Lake Chemical Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 13, 1949; amended to application, Supplemental Register, Feb. 7, 1951, Serial No. 589,261.

"CHECK-A-LEAK-Stik"

For Preparation for Stopping Leakage Around Piping and the Like.
Claims use since Nov. 25, 1949.

541,621. (Class 38. Prints and Publications.) The American Shetland Pony Club, South Bend, Ind. Original filed, act of 1946, Principal Register, Dec. 21, 1949; amended to application, Supplemental Register, Nov. 17, 1950, Serial No. 589,697.

American
Shetland Pony
Journal

For Monthly Magazines.
Claims use since Jan. 1, 1948.

541,622. (Class 46. Foods and Ingredients of Foods.) Phoenix Pie Company, Portsmouth, Ohio. Original filed, act of 1946, Principal Register, Nov. 28, 1949; amended to application, Supplemental Register, Nov. 20, 1950, Serial No. 589,938.

Phoenix
Pies

The word "Pies" and the representation of the goods are disclaimed. Applicant claims ownership of Registration No. 361,095.
For Pies.
Claims use since Aug. 8, 1931.

541,623. (Class 46. Foods and Ingredients of Foods.) Charles G. Summers, Jr., Inc., New Freedom, Pa. Filed Jan. 10, 1950, Serial No. 590,626.

KIDNE-GRANDS

Applicant claims ownership of Registration No. 418,355.
For Canned Red Kidney Beans.
Claims use since Dec. 3, 1948.

541,624. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Elton W. Miller, doing business as The Everstraight Picture Hanger Company, Hampton, Va. Original filed, act of 1946, Principal Register, Jan. 13, 1950; amended to application, Supplemental Register, Feb. 17, 1951, Serial No. 590,819.

EVERSTRAIGHT

For Picture Hangers.
Claims use since Dec. 29, 1949.

541,625. (Class 38. Prints and Publications.) Bryan Davis Publishing Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 20, 1950; amended to application, Supplemental Register, Feb. 1, 1951, Serial No. 591,145.

TELEVISION MAINTENANCE

For Monthly Publication.
Claims use since Nov. 1, 1949.

541,626. (Class 27. Horological Instruments.) Louis Meyers, New York, N. Y. Original filed, act of 1946, Principal Register, June 19, 1950; amended to application, Supplemental Register, Mar. 1, 1951, Serial No. 599,382.

A-1

For Watches and Watch Parts.
Claims use since June 30, 1946.

TRADE-MARK REGISTRATIONS RENEWED

36,562. WILBURINE. Registered June 11, 1901. Wilbur Dixon Ellis, New York, N. Y. Re-renewed June 11, 1951, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Petroleum or Mineral Jelly, Either Pure or Mixed With Other Ingredients, for Cosmetic or Medical Purposes and To Be Used by Either Man or Beast. Class 51.

80,700. "MONARCH" AND DRAWING. Registered Jan. 24, 1911. The Bradford Belting Co., Cincinnati, Ohio. Re-renewed Jan. 24, 1951, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts. Leather Belting. Class 35.

80,703. "W. H. BULL'S" ETC. AND DRAWING. Registered Jan. 24, 1911. W. H. Bull Medicine Company, St. Louis, Mo., a corporation of Missouri. Re-renewed Jan. 24, 1951. Medicinal Preparation Made From Herbs and Iron. Class 18.

81,038. REPRESENTATION OF TWO PIGS. Registered Feb. 21, 1911. Union Petroleum Company, Wilmington, Del., and Philadelphia, Pa. Re-renewed Feb. 21, 1951, to Sinclair Refining Company, Chicago, Ill., a corporation of Maine. Oil Compound for Use in the Cutting and Shaping of Metals and as a Rust Preventive. Class 15.

81,103. ADVENTURE. Registered Feb. 28, 1911. The Ridgway Company. Re-renewed Feb. 28, 1951, to Popular Publications, Inc., New York, N. Y., a corporation of New York. Monthly Periodical. Class 38.

81,237. DEACON. Registered Mar. 14, 1911. Frank W. Whitcher Company. Re-renewed Mar. 14, 1951, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. Welt-Trimmers. Class 23.

81,991. "HILL TOP BRAND" AND DRAWING. Registered May 23, 1911. Haines City Citrus Growers Association, Haines City, Fla., a corporation of Florida. Re-renewed May 23, 1951. Oranges. Class 46.

82,637. REPRESENTATION OF ROOK. Registered July 11, 1911. Parker Brothers, Inc., Salem, Mass., a corporation of Maine. Re-renewed July 11, 1951. Card Games. Class 22.

275,532. WET-ON-WET. Registered Sept. 23, 1930. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 23, 1950. Ready-Mixed Liquid Paints, Varnishes, and Lacquers. Class 16.

276,625. "TEXEL" AND DESIGN. Registered Oct. 21, 1930. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Oct. 21, 1950, to Industrial Tape Corporation, New Brunswick, N. J., a corporation of New Jersey. Toilet Paper. Class 37.

277,103. "ENCI" AND DESIGN. Registered Nov. 4, 1930. Naamloze Vennootschap Eerste Nederlandsche Cement Industrie (E. N. C. I.), Amsterdam, Netherlands, a corporation organized under the laws of the Netherlands. Renewed Nov. 4, 1950. Portland-Cement Blocks, Portland-Cement Slabs, and Portland Cement. Class 12.

277,730. THE CONNECTICUT MOTORIST. Registered Nov. 25, 1930. The Automobile Club of New Haven County, New Haven, Conn., an association. Renewed Nov. 25, 1950. Magazine. Class 38.

277,908. "MIDGET" WITHIN RECTANGLE DESIGN. Registered Dec. 2, 1930. Sprague Specialties Company, Quincy, Mass. Renewed Dec. 2, 1950, to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts. Electric Condensers. Class 21.

279,264. "VALVOLINE" ETC. AND DESIGN. Registered Jan. 13, 1931. Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Renewed Jan. 13, 1951, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Lubricating Oils. Class 15.

279,354. "FLIT" ETC. AND REPRESENTATION OF LABEL. Registered Jan. 13, 1931. Stanco Incorporated. Renewed Jan. 13, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Insecticides, Deodorants, and Disinfectants. Class 6.

279,866. STAGHOUND. Registered Feb. 3, 1931. Balfour Guthrie & Company. Renewed Feb. 3, 1951, to Balfour, Guthrie & Co., Limited, San Francisco, Calif., a corporation of Delaware. Canned Fruits, Dried Fruits, Canned Vegetables, Fresh Deciduous Fruits and Fresh Citrus Fruits, Fresh Vegetables, Canned Fish. Class 46.

279,868. X "BLUE-X" AND DRAWING LINED FOR BLUE. Registered Feb. 3, 1931. California Fruit Exchange, Sacramento and Loomis, Calif. Renewed Feb. 3, 1951, to California Fruit Exchange, Sacramento, Calif., a corporation of California. Fresh Deciduous Fruits. Class 46.

279,893. INTERACO. Registered Feb. 3, 1931. The Interstate Amiesite Co., Wilmington, Del., a corporation of Delaware. Renewed Feb. 3, 1951. Materials Particularly a Cold-Mix, Cold-Lay Asphaltic Concrete for Paving Purposes Used in Paving and Construction Work. Class 12.

279,954. RIOCO. Registered Feb. 10, 1931. Richfield Oil Company of California. Renewed Feb. 10, 1951, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware. Petroleum and Products of Petroleum With or Without Admixture of Other Materials for Illuminating, Etc. Class 15.

280,010. BIJUR. Registered Feb. 10, 1931. Bijur Lubricating Corporation, New York, N. Y. Renewed Feb. 10, 1951, to Bijur Lubricating Corporation, Rochelle Park, N. J., a corporation of New York. Lubricating Oils. Class 15.

280,182. REPRESENTATION OF CROSSED LINES OR BARS. Registered Feb. 10, 1931. Van Camp Sea Food Co., Inc., Terminal Island, Calif., a corporation of California. Renewed Feb. 10, 1951. Canned Fish. Class 46.

280,183. REPRESENTATION OF CROSSED RED LINES OR BARS. Registered Feb. 10, 1931. Van Camp Sea Food Co., Inc., Terminal Island, Calif., a corporation of California. Renewed Feb. 10, 1951. Canned Fish. Class 46.

280,185. SUNNY SCENE. Registered Feb. 10, 1931. Theo. H. Davies & Co. Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Renewed Feb. 10, 1951, to Theo. H. Davies & Co. Ltd., Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Canned Vegetables—Namely, Canned Peas. Class 46.

280,618. "GRATON AND KNIGHT" AND DESIGN. Registered Feb. 24, 1931. Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts. Renewed Feb. 24, 1951. Machinery Belting, Diaphragms, Discs, Gaskets, Washers, Etc. Class 35.

280,860. NEW ENGLAND. Registered Mar. 3, 1931. Fred Fear & Co., Brooklyn, N. Y., a corporation of New York. Renewed Mar. 3, 1951. Flaked Fish and Table Syrups. Class 46.

281,525. PEACH. Registered Mar. 24, 1931. Henry Pollak, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 24, 1951. Women's Felt Hats, Untrimmed. Class 39.

281,583. UNICORD. Registered Mar. 24, 1931. General Electric Company, Schenectady, N. Y., a corporation of New York. Renewed Mar. 24, 1951. Electrical Conductors and Parts Thereof. Class 21.

281,666. DUO-BORDO. Registered Mar. 24, 1931. Niagara Sprayer & Chemical Company, Inc., Middleport, N. Y. Renewed Mar. 24, 1951, to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. Parasiticides. Class 6.

281,774. NAPTOL. Registered Mar. 31, 1931. Sinclair Refining Company, New York, N. Y. Renewed Mar. 31, 1951, to Sinclair Refining Company, Chicago, Ill., a corporation of Maine. Petroleum Derivative Used as a Solvent, Thinner, or Diluent in the Manufacture of Lacquer, Varnish, and Various Rubber Articles. Class 6.

281,822. CERATEX. Registered Mar. 31, 1931. J. R. Short Milling Company, Chicago, Ill., a corporation of Illinois. Renewed Mar. 31, 1951. Processed Corn Product Formed by Subjecting Corn to Cooking, Flaking, and Drying Treatment, Etc. Class 46.

282,197. GENERAL. Registered Apr. 14, 1931. The Edwin F. Guth Company, St. Louis, Mo., a corporation of Missouri. Renewed Apr. 14, 1951. Electric Sockets. Class 21.

282,425. REPRESENTATION OF GREEK CHARACTERS SIGMA PHI DELTA. Registered Apr. 21, 1931. Sigma Phi Delta, Los Angeles, Calif. Renewed Apr. 21, 1951, to Sigma Phi Delta Fraternity, Chicago, Ill., a voluntary association. Fraternity Pins and Badges Made of or Plated With Precious Metal. Class 28.

282,661. LA PONCEÑA. Registered Apr. 28, 1931. The Hills Brothers Company. Renewed Apr. 28, 1951, to Joseph Victori & Co., Inc., New York, N. Y., a corporation of New York. Canned Gandules (Pigeon Peas). Class 46.

282,845. LINWEAVE BRENTWOOD. Registered May 5, 1931. United States Envelope Company, Springfield, Mass., a corporation of Maine. Renewed May 5, 1951. Correspondence Paper and Envelopes. Class 37.

282,889. EMERACOL. Registered May 5, 1931. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed May 5, 1951. Cough Syrup. Class 18.

282,941. "WHEELER PAPER CORPORATION" ETC. AND DESIGN. Registered May 5, 1931. Wheeler Paper Corporation, Albany, N. Y., a corporation of New York. Renewed May 5, 1951. Toilet Paper. Class 37.

283,260. PRISCILLA. Registered May 19, 1931. Eisenstadt Mfg. Company, St. Louis, Mo., a corporation of Missouri. Renewed May 19, 1951. Pyrophoric Cigarette and Cigar Lighters. Class 8.

283,724. OVER-THE-TOP. Registered June 2, 1931. Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois. Renewed June 2, 1951. Door Equipment, Including Hardware for Doors Opening Overhead—Namely, Arms, Arm Bearings, Etc. Class 13.

283,776. PANTHESINE. Registered June 9, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed June 9, 1951. Medicinal Preparations Having Hypnotic Properties. Class 18.

283,794. BELLADENAL. Registered June 9, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed June 9, 1951. Medicinal Preparations Having Analgesic and Antispasmodic Properties. Class 18.

283,798. HYPERVAC. Registered June 9, 1931. Central Scientific Company, Chicago, Ill., a corporation of Illinois. Renewed June 9, 1951. Vacuum Pumps. Class 23.

283,876. "FITCH'S" ETC. AND DESIGN. Registered June 9, 1931. The F. W. Fitch Co., Des Moines, Iowa. Renewed June 9, 1951, to The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware. After-Shaving Lotion and Hand Lotion. Class 51.

283,985. "BUDWEISER YEAST" ETC. AND REPRESENTATION OF PAPER WRAPPER. Registered June 9, 1931. Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri. Renewed June 9, 1951. Yeast. Class 46.

284,136. "AR-AND-AR" AND DESIGN. Registered June 16, 1931. Seymour H. Le Bell. Renewed June 16, 1951, to S. H. Le Bell & Company, New York, N. Y., a firm. Household Linens for Kitchen, Dining-Room, Bedroom, and Bathroom Use and Linen Piece Goods. Class 42.

284,342. PEDIGREE. Registered June 23, 1931. Carl O. Sattinger, doing business as Sattinger's Wholesale Grocery. Renewed June 23, 1951, to M. J. Sattinger, Los Angeles, Calif. Canned Dog Food. Class 46.

284,461. BARRETT. Registered June 30, 1931. The Barrett Company. Renewed June 30, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Prepared Tar, Pitch, Etc. Class 12.

284,472. "MONOGRAM" ETC. AND DESIGN. Registered June 30, 1931. Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware. Renewed June 30, 1951. Coal. Class 1.

284,623. SANDOPTAL. Registered July 7, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed July 7, 1951. Medicinal Preparations Having Anaesthetic Properties. Class 18.

284,686. PERMAFLUX. Registered July 7, 1931. Simonds Saw & Steel Company, Boston, Mass. Renewed July 7, 1951, to Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts. Steel. Class 14.

284,751. "F F" ETC. AND DESIGN. Registered July 7, 1931. The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Renewed July 7, 1951. Water Softener. Class 6.

284,757. "WYTROL" AND DRAWING. Registered July 7, 1931. Wheeler Paper Corporation, Albany, N. Y., a corporation of New York. Renewed July 7, 1951. Toilet Paper. Class 37.

284,880. PROBALL. Registered July 7, 1931. Davega, Inc. Renewed July 7, 1951, to Davega Stores Corporation, New York, N. Y., a corporation of New York. Golf Balls. Class 22.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

207,922. SNOWFLAKE. Registered Jan. 12, 1926. Sperry Flour Company, San Francisco, Calif. Cake Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States of Colorado, Arizona, Utah, Texas, Oklahoma, New Mexico and Kansas, by order of the Commissioner dated March 27, 1951, following decision on Concurrent Use Proceeding No. 27, *The Colorado Milling & Elevator Co. v. Sperry Flour Company, (General Mills, Inc., assignee, substituted)*.

396,597. LIBERTY BELL. Registered July 28, 1942. J. L. Sinykin, doing business as D'Ciny, St. Paul, Minn. Eau de Cologne and Perfume. Class 51 (formerly Class 6). The drawing is hereby amended to appear as follows:

LIBERTY BELL

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

20,770. NONPAREIL OIL. Registered Feb. 23, 1892. Renewed Feb. 23, 1922. Re-renewed Feb. 23, 1942. The Devoe Manufacturing Company. Oil. Class 15. New certificate under section 7(c) issued Apr. 24, 1951, to Standard Oil Company, Chicago, Ill., a corporation of Indiana.

150,073. MANHATTAN. Registered Dec. 27, 1921. Renewed Dec. 27, 1941. Robert Reis & Co. Knit and Woven Underwear, Hosiery, Bathing-Suits, and Sweaters. Class 39. New certificate under section 7(c) issued Apr. 24, 1951, to The Manhattan Shirt Company, New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 179,233. Registered Feb. 5, 1924. Protex Chemical Co., Everett, Pa. Republished by "Automatic" Sprinkler Corporation of America, Youngstown, Ohio, a corporation of Delaware.

PROTEX

The words "Puts Out Fires" and "Protects Your Home" are disclaimed apart from the mark as shown.

For Fire-Extinguishing Chemical Compound.

Claims use since July 2, 1923.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 128,847. Registered Jan. 13, 1920. Harry Schlesinger, Brooklyn, N. Y. Republished by Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.

ZIP

For Remedy for Corns, Callouses, Warts, and Bunions.

Claims use since 1914.

CLASS 39

CLOTHING

Reg. No. 83,897. Registered Oct. 24, 1911. The H. B. Claflin Company, New York, N. Y. Republished by Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York.

TRUSO

For Hosiery.

Claims use since February 1911.

Reg. No. 138,435. Registered Dec. 28, 1920. Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania. Republished by registrant.

Troubadour

For Hosiery, for Men, Women, and Children.

Claims use since July 12, 1920.

Reg. No. 248,733. Registered Oct. 30, 1928. Pennsylvania Silk Hosiery Mills, Inc., Bangor, Pa. Republished by Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania.

ROMAN STRIPE

The word "Stripe" is disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Mar. 12, 1926.

Reg. No. 372,647. Registered Nov. 7, 1939. Wayne Knitting Mills, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

Belle-Sharmeer
STRAIN-EASE

The words "Strain-Ease" are disclaimed apart from the mark as shown.
For Stockings.
Claims use since June 1, 1938.

Reg. No. 441,313. Registered Nov. 14, 1950. Monroe Manufacturing Co., Inc., Monroe, La., a corporation of Louisiana. Republished by registrant.

Buccaneer Slacks

The word "Slacks" is disclaimed apart from the mark as shown.
For Men's and Boys' Slacks.
Claims use since Sept. 23, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS. AND SUBSTITUTES THEREFOR

Reg. No. 335,521. Registered June 9, 1936. Bartmann & Bixer, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

GRAND DUCHESS

For Curtains Composed of Cotton or Artificial Silk.
Claims use since July 1934.

Reg. No. 404,792. Registered Dec. 21, 1943. Brooks Brothers, New York, N. Y., a corporation of New York. Republished by registrant.

ESTABLISHED 1818

BROOKS BROTHERS

For Motor Robes, Foot Muffs, Blankets, Napkins, and Towels.
Claims use since 1894.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 125,525. Registered May 20, 1919. Southern California Fish Co., East San Pedro, Calif. Republished by Southern California Fish Corporation, Terminal Island, Calif., a corporation of California.

Senorita

For Canned Tuna Fish and Canned Sardines.
Claims use since Sept. 1, 1912.

Reg. No. 352,295. Registered Nov. 23, 1937. The Capital City Products Company, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

SPECIAL

The word "Special" is disclaimed apart from the mark as shown.
For Shortening Oleomargarine.
Claims use since June 10, 1937.

Reg. No. 361,819. Registered Nov. 1, 1938. Midland Cooperative Dairy Association, Shawano, Wis., and New York, N. Y., a corporation of Wisconsin. Republished by registrant.

MI-KAN-O

For Canned Evaporated Milk.
Claims use since about May 12, 1938.

Reg. No. 401,357. Registered May 11, 1943. O. R. Recker, doing business as O. R. Recker Packing Co., Phoenix, Ariz. Republished by registrant.

OSCAR

For Fresh Vegetables—Namely, Lettuce.
Claims use since Nov. 28, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 300,206. Registered Jan. 10, 1933. Distillers Corporation Limited, Montreal, Quebec, Canada. Republished by Carstairs Bros. Distilling Co., Inc., New York, N. Y., a corporation of Maryland.

SILVER DOLLAR

For Whiskey.
Claims use since October 1929.

Reg. No. 313,197. Registered May 22, 1934. The Wilson Distilling Co., Inc., New York, N. Y. Republished by Hunter-Wilson Distilling Co., Inc., New York, N. Y., a corporation of Maryland.

EL-BART

The drawing is lined for red. The word "Brand" is disclaimed apart from the mark as shown.
For Gin.
Claims use since 1905.

Reg. No. 315,235. Registered July 24, 1934. Maryland Distillery, Incorporated, Relay, Md. Republished by The Calvert Distilling Co., New York, N. Y., a corporation of Maryland.

OLD DRUM

For Whiskey.
Claims use since the year 1910.

Reg. No. 394,656. Registered Apr. 21, 1942. Gallagher & Burton, Inc., Philadelphia, Pa. Republished by Gallagher & Burton, Inc., Bristol, Pa., a corporation of Kentucky.

KERRIGAN'S
Private Stock

The representation of the label per se and the words "Private Stock" are disclaimed apart from the mark as shown. The drawing is lined for deep red and gold.
For Whiskey.
Claims use since May 1, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 157,099. Registered July 25, 1922. Hincher Manufacturing Company of Indiana, Washington, Ind., a corporation of Indiana. Republished by registrant.

Goodform

For Trouser, Skirt, Coat, Gown, and Suit Hangers, Singly and in Combination.
Claims use since Aug. 15, 1914.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 88,502. Registered Sept. 24, 1912. Berthé E. Levy, New York, N. Y. Republished by Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.

ZIP

For Hair-Eradicator.
Claims use since Jan. 15, 1912.

Reg. No. 139,815. Registered Feb. 22, 1921. George D. Hofe, South Orange, N. J. Republished by Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.

NU-ART

For Toilet Preparations—Viz., Depilatories.
Claims use since Apr. 10, 1920.

Reg. No. 175,011. Registered Oct. 30, 1923. Jean Jordeau, Inc., South Orange, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address South Orange, N. J.

ABSCENT

The words "Specialist With" and "New York" are disclaimed apart from the mark as shown.
For Perspiration Deodorant.
Claims use since November 1921.

Reg. No. 206,839. Registered Dec. 8, 1925. Nu-Art Laboratories Inc., South Orange, N. J. Republished by Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.

NU-ART

For Depilatory.
Claims use since Dec. 1, 1924.

Reg. No. 335,421. Registered June 2, 1936. Blaine Culver, Los Angeles, Calif. Republished by Alberts-Culver Company, Hollywood, Calif., a firm.

ALBERTO

For Nail White, Shampoo, Hair Oil, Nail Rejuvenator and Polish Remover, Hair Bleach Oil, Nail Tonic, Nail Polish Thinner, Cuticle Solvent, and Facial Cream.
Claims use since July 1, 1935.

REISSUES

APRIL 24, 1951

23,360

ART OF EXTRACTING OIL FROM THE EARTH

Ernst Berl, deceased, late of Pittsburgh, Pa., by Walter G. Berl, executor, Pittsburgh, Pa.

No Drawing. Original No. 2,267,548, dated December 23, 1941, Serial No. 61,804, January 31, 1936. Application for reissue February 28, 1941, Serial No. 78,890

8 Claims. (Cl. 166—21)

1. The process of extracting oil from the earth in regions adjacent to mother rocks, which comprises introducing into such regions [a] *an oil-freeing* water solution having no substantial destructive effect upon said mother rocks, *said solution having a wetting effect on said oil-bearing mother rocks* and comprising an organic oil soluble and water soluble substance containing a polar group and free from [sulfonic] *sulfur-containing* acid groups in the molecule.

23,361

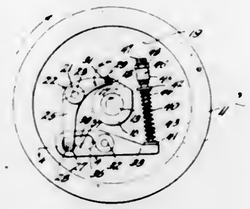
OVERLOAD RELEASE MECHANISM

Cortice H. Hall, Jackson, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Original No. 2,425,736, dated August 19, 1947, Serial No. 594,323, May 17, 1945. Application for reissue February 28, 1949, Serial No. 78,830

3 Claims. (Cl. 192—56)

1. In an overload release mechanism, a drive member and a driven member adapted to be rotated together, *in drive torque transmitting relation and to be separated to interrupt said drive*, one of said members have a *flat* radial thrust face, a drive *transmission lever* [arm] pivoted on the other of said members having a roller adapted to bear on said face *when said members are in drive transmitting relation* and a resiliently biased rocker bar pivoted on said other member formed with spaced recesses *interconnected by a cam surface*, and another roller on said drive *transmitting lever* [arm] adapted to seat in either of said recesses *whereby said drive transmission lever is positively shifted from its drive to its non-drive position by the resiliently biased rocker bar when the second of said rollers has been unseated due to an overload.*



PATENTS

GRANTED APRIL 24, 1951

2,549,753
INSTRUMENT PANEL CLAMPING BRACKET FOR ADJUSTING AUTOMOBILE TRAYS
Joseph L. Ashman, Indianapolis, Ind.
Application April 16, 1949, Serial No. 87,921
2 Claims. (Cl. 311—21)



1. In an adjustable automobile tray for instrument panels terminating in an inwardly directed flange, clamping means connected to said tray, comprising a substantially J-shaped bracket adapted to straddle said flange, said bracket having three triangularly spaced interiorly threaded apertures formed in one arm thereof and at least one such aperture formed in the other arm thereof, and a clamping screw for each of said apertures operably engageable with said flange for leveling said bracket.

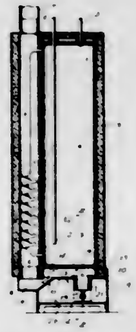
2,549,754
MAGNETIC SPEED RESPONSIVE DEVICE
Lester L. Bosch, Cincinnati, Ohio
Application March 19, 1946, Serial No. 655,463
8 Claims. (Cl. 264—13)



3. A speedometer comprising a magnet, an induction member and a yoke, concentrically arranged on a common axis, said magnet and yoke being rotatable relative to one another, and said induction member being independently deflectable about said axis from a given position through magnetic influence exerted thereon upon relative rotation of said yoke and magnet, said yoke and said induction member each being configurated so as to present progressively different areas of magnetic influence to said induction member upon movement thereof to progressive positions from said given position.

2,549,755
BURNER BASE FOR HOT-WATER TANKS
Maurel G. Burwell, Columbus, Ohio
Application April 24, 1947, Serial No. 743,547
2 Claims. (Cl. 122—183)

1. A burner base for a hot water tank of the type having a side arm heat-transfer coil carried within a chamber disposed adjacent the tank and side flanges extending beyond the bottom of the tank, said base comprising an upstanding side wall; a top wall extending perpendicularly to said side wall a distance below the upper edge thereof, said side wall and top wall defining an open chamber for the reception of the bottom side flanges of the tank; a bottom wall having an air intake opening therein and carried by said side wall in spaced relation to said top wall and defining with said side and top walls a substantially enclosed mixing chamber; a gaseous fuel burner extending through said side wall and into said mixing chamber; a fire box depending from said top wall directly above said burner for

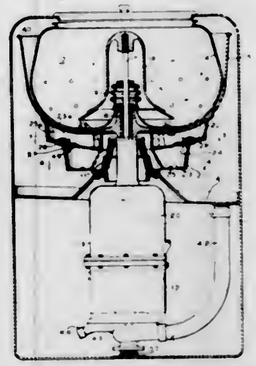


directing a flame issuing from said burner from said mixing chamber to the bottom of a tank received within the open chamber defined by said side wall and top wall; and means defining a flue passage in said base and communicating, respectively, with said open chamber and the chamber in which the heat-transfer coil of said tank is carried, whereby gaseous products of combustion emanating from said burner may be directed from the bottom of said tank to the heat-transfer coil thereof.

2,549,756
DOMESTIC APPLIANCE
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 23, 1945, Serial No. 579,415
7 Claims. (Cl. 74—573)

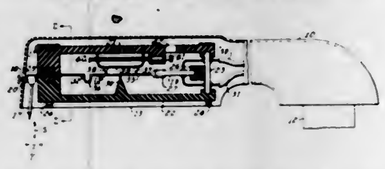
1. In a centrifugal machine, a receptacle adapted to have an unbalanced load and rotatable about a shaft axis, a support upon which said receptacle has a critical speed of rotation, drive means to rotatably accelerate said receptacle through and above said critical speed, counterbalancing liquid containing means containing counterbalancing liquid independent of the contents of said receptacle and rotatable with said receptacle, said liquid containing means including a below critical speed liquid first container having means maintaining said liquid in concentric rotation to said shaft axis and an above critical speed liquid second container releasing said liquid for rotation eccentric to said shaft axis, and a flow control construction between said containers having means to retain said liquid in said first container while said receptacle rotates below critical speed and to

release said liquid into said second container for substantially unrestrained eccentric distribu-



tion in said second container when said receptacle has been accelerated beyond said critical speed.

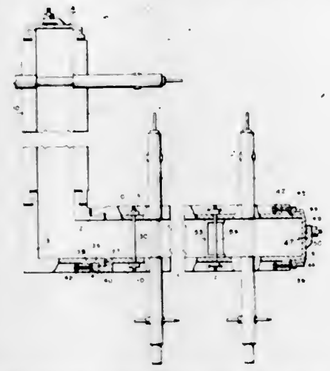
2,549,757
REPRODUCING DEVICE HAVING LINK MEANS FOR PRODUCING HIGH COMPLIANCE IN THE DIRECTION OF THE STYLUS DRAG
Ray F. Corbett, Lewisburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 736,038
10 Claims. (Cl. 179—100.41)



1. In a device for reproducing sound from records, a stylus, a stylus holder, a transducer, a link comprising compliance connecting said stylus holder to said transducer, and means comprising an adjustable bearing coacting with and movable with respect to said link for regulating the amount of said compliance.

2,549,758
COLLAPSIBLE FORM
John C. Cotner, Logansport, Ind., assignor to L. D. Long, Charleston, S. C.
Application December 16, 1948, Serial No. 65,682
2 Claims. (Cl. 25—131)

1. A wall form comprising two substantially parallel spaced panels, a split yoke having side members fastened respectively to the spaced panels, adjustable connection means above the spaced panels for adjustably securing the side members of the yoke together, adjustable tie members extending through the spaced panels for adjustably holding the spaced panels in spaced relation, said panels each comprising a plurality of abuttable sections removably connectable at their abuttable ends, one of said abuttable ends having an inwardly extending groove defined by first and second spaced opposing side wall portions and the other of said abuttable ends having an inwardly extending tongue portion defined by first and second spaced side wall portions, said groove and said tongue portion constituting interlocking engagement means with said first side wall portions being directly abuttable against each other, and threadable means threadably engaging one of said second side wall portions and abuttably engaging



said other second wall portions for forcing said first side wall portions against each other, said threadable means and said adjustable tie members upon release of same permitting said tongue portion to move outwardly from said interlocking engagement with said groove and free said panels from each other.

2,549,759
ORAL COMPOSITION
David J. Goodfriend, Philadelphia, Pa.
No Drawing. Application July 14, 1948, Serial No. 38,742
1 Claim. (Cl. 167—93)

A mouth wash composition consisting essentially of an aqueous solution containing as the only active ingredients about 2% by weight of urea and about 1% by weight of an alkyl aryl sulfonate.

2,549,760
AERODYNAMIC FLAP BALANCE AND AUXILIARY AIRFOIL
George Kenneth Adams, Norfolk, Va.
Application April 14, 1949, Serial No. 87,498
3 Claims. (Cl. 244—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In an aircraft having a relatively fixed wing, a flap comprising an arm pivoted near its center to the wing, a pair of airfoil members of equal span-wise length one of which is secured to each end of said arm, the forward one of said pair of airfoil members constructed and arranged to make up the contour of said wing in inoperative position, the rear one of said pair of airfoil members in inoperative position constructed and arranged to form the trailing edge of said wing, and means in said wing operable to move said arm and thereby said pair of airfoil members between operative and inoperative positions whereby additional lift is provided to said wing.

2,549,761
LOW NOISE INTERMEDIATE-FREQUENCY AMPLIFIER

Robert Thomas Adams, Chatham, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 30, 1947, Serial No. 745,014
1 Claim. (Cl. 179—171)



A low noise amplifier for operation at a predetermined frequency comprising a high mutual conductance triode tube having a cathode, a grid, and a plate, a grounded input transformer connected between said grid and cathode and adapted to be connected to a low impedance source of signals to be amplified, said input circuit including an inductance coil connected between said grid and cathode and tuned with the interelectrode capacitance therebetween at said frequency to prevent oscillations by providing maximum impedance between said grid and cathode and an inductance coil connected in series between said transformer and said grid and the connection to said source of signals and series tuned with the grid to ground capacitance of said tube at said frequency for matching the impedance of said source to the input impedance of said tube.

2,549,762
APPARATUS FOR MANUFACTURING TUBULATED BULBS FROM GLASS TUBING

Leslie Charles Baker and John Frederick Haines, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 7, 1945, Serial No. 609,466
In Great Britain July 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1964
7 Claims. (Cl. 49—1)



1. Apparatus for use in conjunction with a glass-working lathe of the type having a headstock and a tailstock rotatable in unison for manufacturing tubulated bulbs from glass tubing, comprising a pair of cooperating jigs, a first of said jigs adapted to be mounted in the headstock of said lathe, the second of said jigs adapted to be mounted in the tailstock of said lathe, said first jig comprising means for centering and holding a first glass tube of a given diameter, an internal shaping element at the end thereof adjacent said second jig and means for applying air pressure inside said first tube; said second jig comprising means for centering and holding a second glass tube, of a diameter smaller than the diameter of said first glass tube, an external shaping element at the end thereof adjacent said first jig; both said shaping elements adapted to cooperate to close off a projecting end of said first tube and to provide same with a projecting tip, said second jig adapted to move a predetermined distance toward said first jig whereby the closed-off end of said first tube is of a predetermined thickness.

2,549,763
PROCESS OF ISOLATING BETAINE FROM GUAYULE EXTRACT

Thomas F. Banigan, Jr., and James W. Meeks, Salinas, Calif., and Ralph W. Planck, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

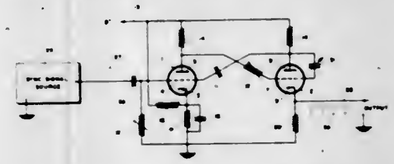
No Drawing. Application January 17, 1950, Serial No. 139,111
7 Claims. (Cl. 260—501)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of isolating betaine as its phosphate from the solvent extract obtained in the preparation of resin-free guayule rubber which comprises concentrating the extract, allowing the concentrated extract to separate into a non-resinous phase containing betaine and a resin phase, separating the non-resinous phase, mixing it with an oxygenated organic solvent and acidifying it with phosphoric acid, then separating the betaine phosphate which crystallizes out of solution.

2,549,764
PULSE GENERATOR

Arnold H. Bartels, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

Application July 9, 1945, Serial No. 603,976
1 Claim. (Cl. 250—36)



A pulse generator comprising a first electric discharge device and a second electric discharge device, each having a cathode, a grid and an anode, and adjustable resistor for coupling the anode of said first device to the grid of said second device to control the duration of output pulses, a condenser for coupling the anode of said second device to the grid of said first device to control the time constant of said first discharge device, resistors connected to said anodes, means for supplying through said anode resistors a potential to said anodes that is positive with respect to ground, an adjustable grid leak resistor for connecting the grid of said first device to ground, means for normally maintaining the grid of said first device negative with respect to the cathode of said first device, an adjustable condenser for coupling grid and anode of said second device to control the duration of output pulses, another resistor for connecting the cathode of said second device to ground, means for periodically rendering said first device conducting, and means for deriving output pulses of short duration across the cathode resistor of said second device, said adjustable resistors and said adjustable condenser controlling the duration of said output pulses.

2,549,765
PROCESS FOR PRODUCTION OF LOWER ALIPHATIC ACIDS BY FERMENTATION

Samuel C. Beesch and David A. Legg, Philadelphia, Pa., assignors to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania

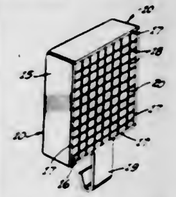
No Drawing. Application March 8, 1947, Serial No. 733,438
9 Claims. (Cl. 195—47)

1. A process for the production of lower aliphatic acid mixtures which comprises subjecting a fermentable nutrient sugar mash to the action Clostridium - saccharo - aceto - propionic-butyricum for a period not substantially in excess of seventy-two hours at a temperature of between about 28 and 35° C. and at a pH of from about 5.0 to 7.0.

2,549,766
FASTENING MEANS FOR SUPPORTING OBJECTS

Sidney W. Benson, Los Angeles, Calif.

Application April 1, 1948, Serial No. 18,305
10 Claims. (Cl. 248—29)



3. In an article of hardware adapted to be secured against a supporting wall: means forming a cavity opening in a wall-adjacent surface of said article; a foraminous wall across said opening; and a body of thermo-plastic adhesive material in said cavity.

2,549,767
INTERPOLYMER FORMED FROM MONOVINYLAROMATIC POLYMER, DRYING OIL OR ACID, POLYHYDRIC ALCOHOL, AND POLYBASIC ACID

Edward G. Bobalek, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 2, 1947, Serial No. 751,967
8 Claims. (Cl. 260—22)

7. An ungelled resinous interpolymer formed by polymerization of from 40 to 60 percent by weight of (*a*) a compound selected from the group consisting of drying oils and drying oil fatty acids having an average Woburn iodine number between about 133 and 274 and an average Woburn diene number between about 33 and 91, (*b*) from about 5 to 15 percent by weight of an oil-soluble polymer of a monovinylaromatic compound selected from the group consisting of styrene, vinylnaphthalene, fluorostyrene, chlorostyrene, methoxystyrene, hydroxystyrene, methylstyrene, trichloromethylstyrene, trifluoromethylstyrene, and alpha-methylstyrene, said monovinylaromatic polymer consisting of at least 85 percent by weight of polymerized monovinylaromatic compound monomer, the remainder being (*c*) a polyhydric alcohol containing as sole functional groups at least three and not more than six hydroxyl groups per molecule, and (*d*) a monomeric polybasic organic acid selected from the group consisting of saturated and unsaturated polybasic acids containing carboxyl groups as sole functional groups, the relative proportions of (*c*) and (*d*) being such as to render the ratio of hydroxyl groups to carboxyl groups in the starting reactants between about 1.1 and 2.0 to 1, the said interpolymer having an acid value below 30.

2,549,768
VIBRATION MOUNTING

Dan T. Bradley, Shaker Heights, Ohio, assignor, by mesne assignments, to Harris Products Company, Cleveland, Ohio, a corporation of Ohio

Application December 8, 1945, Serial No. 633,597
7 Claims. (Cl. 248—358)

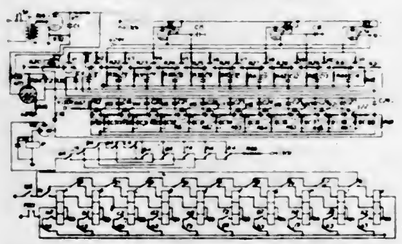


1. A vibration dampener in the form of a bracket comprising a substantially rigid base adapted to be connected with a support, a tapered resilient arm of rubber-like material connected with and projecting from the base and having a cross-section decreasing gradually in a direction outwardly from said base, the taper of said arm imparting thereto a resistance to deflection from shock loads applied to its outer end and which resistance increases substantially in proportion to the magnitude of such shock loads.

2,549,769
ARRANGEMENT FOR COUNTING ELECTRICAL IMPULSES

Frederick Harry Bray and Leslie Ronald Brown, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

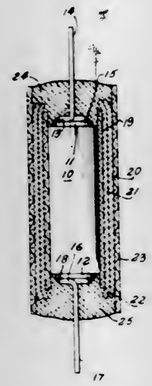
Application November 2, 1944, Serial No. 561,618
In Great Britain August 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 31, 1963
7 Claims. (Cl. 235—92)



1. A circuit arrangement for counting rapidly occurring impulses, comprising a chain of gaseous discharge tubes each having a pair of main electrodes and a control electrode, an energizing circuit for each tube connected across the said main electrodes thereof, a source of impulses connected to all of said control electrodes in parallel, an output impedance in each of said energizing circuits, means including said output impedance of any of said tubes for rendering the next following tube in the chain responsive to said impulses, whereby said next following tube will be ionized, said tubes being divided into a plurality of groups each consisting of a

plurality of tubes immediately following one another, a plurality of deenergizing means each common to all the tubes of a respective group, and control means for rendering said deenergizing means effective to quench all the tubes of said respective group upon ionization of a predetermined tube of another group of said chain.

2,549,770
ELECTRICAL CONDENSER
John Burnham, Williamstown, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application November 23, 1946, Serial No. 711,950
3 Claims. (Cl. 175—41)



1. A relatively compact substantially moisture-proof electrical condenser comprising a convolutely wound condenser section, at least two turns of substantially moisture-impervious metal foil wound thereabout and directly over each other to restrict the ingress of moisture to a long, thin passageway between the foil turns and an electrically insulating wrapper wound about said foil, the edges of said foil extending beyond the edges of said condenser section and the edges of said wrapper extending beyond the edges of said metal foil, a sealing cement substantially filling and sealing the extending portions of the foil and wrapper, the whole assembly including the passageway between the foil turns being completely impregnated with a wax.

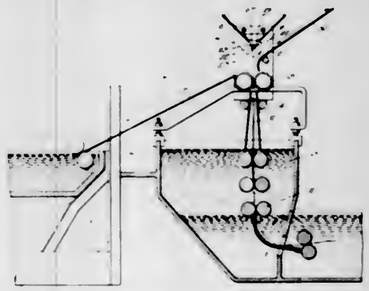
2,549,771
MAGNETIC TRANSDUCER HEAD
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application August 16, 1946, Serial No. 690,877
9 Claims. (Cl. 179—100.2)

1. A magnetic transducer head comprising a paramagnetic core having a pair of confronting poles with a non-magnetic gap therebetween over which a portion of the width of a traveling magnetic record member is arranged to pass, a paramagnetic member having a continuous surface portion lying adjacent to and slightly spaced from said poles and the gap defined thereby over which another portion of the width of said record member is arranged to pass as said first portion passes over said poles, both said poles and said



paramagnetic member constituting a record member contacting surface.

2,549,772
SHEET METAL FEED DEVICE
Frank V. Carroll, Munster-Hammond, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application June 18, 1945, Serial No. 600,092
2 Claims. (Cl. 214—1)

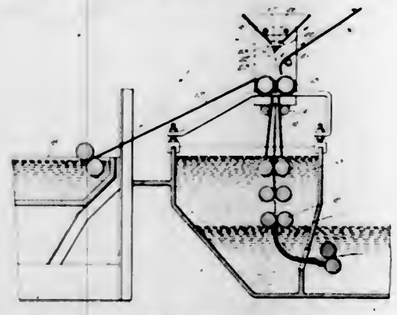


1. In a feed device for metal sheets, means for feeding sheets seriatim in an upward path, a first slide directed downwardly from the upward path, a second slide directed upwardly from the upward path and so positioned and arranged that sheets dropping thereon are passed by gravity onto the first slide, and rock means in the path having a cam surface facing each slide and adapted alternately to guide one sheet to one slide and the succeeding sheet to the other slide, said rock means being shaped and positioned so that each sheet contacting one of the cam surfaces thereof deflects the rock means to bring the other cam surface to the sheet engaging position.

2,549,773
METHOD OF HANDLING SHEET METAL PLATES
Frank V. Carroll, Munster-Hammond, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Original application June 18, 1945, Serial No. 600,092. Divided and this application January 24, 1946, Serial No. 643,079
1 Claim. (Cl. 117—114)

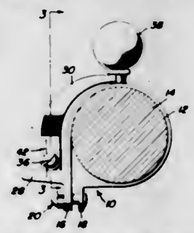
In the stacking of hot dipped metal sheets having list edges, the steps which comprise passing metal sheets through a bath of molten metal, withdrawing the sheets seriatim upwardly from said bath whereby a list edge is produced on the bottom edge thereof and then tipping the sheets

alternately downwardly toward one side of the bath and upwardly toward the other side of the



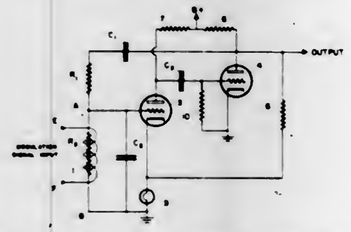
bath and sliding the upwardly tipped sheet over the bath in advance of the next succeeding sheet.

2,549,774
AUTOMOBILE STEERING WHEEL SPINNER
Raymond Chambers, Long Beach, Calif.
Application November 1, 1949, Serial No. 124,840
3 Claims. (Cl. 74—557)



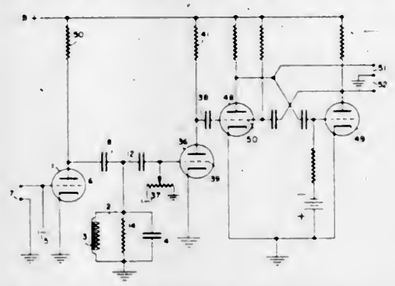
1. A steering attachment for automobile steering wheels comprising a hand grip, said hand grip including an arcuate arm adapted to conform to the transverse curvature of a steering wheel rim and a knob extending laterally from one end of said member, means for hingedly securing the end of said arm opposite said knob to a steering wheel rim, and means yieldingly urging swinging movement of said arm outwardly from a steering wheel rim.

2,549,775
OSCILLATOR CIRCUIT RESPONSIVE TO HALL EFFECT
Benjamin Malcolm Charchian and Antonio Ramon Vallarino, New York, N. Y., assignors to International Standard Electric Corp., New York, N. Y., a corporation of Delaware
Application March 8, 1947, Serial No. 733,318
7 Claims. (Cl. 332—29)



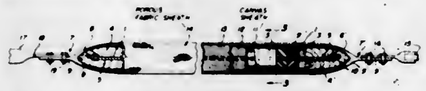
2. In a frequency modulating system which includes signal input terminals across which a solenoid is connected, and includes further a resistor comprising material whose resistance varies in accordance with the intensity of an incident magnetic field, the method of controlling the frequency of a resistance-capacitance controlled oscillator which comprises subjecting said resistor to the influence of a variable magnetic field produced by said solenoid, and causing the resultant ohmic value variations of said resistor to control the amount of phase-shift of feed-back potentials in said oscillator.

2,549,776
PULSE DISCRIMINATING APPARATUS
Claud E. Cleeton, Washington, D. C.
Application March 10, 1945, Serial No. 582,097
2 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a pulse transmission system, means for obtaining pulse width and space discrimination, comprising a lightly damped oscillatory circuit consisting of an inductance, a capacitance and a resistance tuned to a frequency whose period is substantially twice the duration of the incoming pulses to be favored, a normally blocked amplitude limiting amplifier coupled to said oscillatory circuit for impressing the incoming pulses thereon to produce damped oscillations therein, a vacuum tube amplifier having a control grid coupled to said oscillatory circuit, means biasing said control grid beyond cut-off by a predetermined amount whereby only those damped oscillations which exceed said cut-off bias will produce an output from said vacuum tube amplifier, and a multivibrator circuit fed by the output of said vacuum tube amplifier operative responsive thereto to produce a single voltage pulse of controllable duration.

2,549,777
BUOYANT ELECTRODE
Edward C. Craig, United States Navy, Arlington, Va.
Application December 30, 1941, Serial No. 425,011
21 Claims. (Cl. 174—101.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A composite water-buoyant flexible electrode adapted to be connected to the end of an insulated buoyant flexible cable, said electrode comprising a flexible buoyant section having conductors which are exposed for electrical contact with the water, a flexible non-buoyant sec-

tion; and means for connecting said buoyant and non-buoyant sections in end-to-end relation, the ratio of buoyancy of said buoyant and non-buoyant sections being selected to retain a minor portion of the buoyant section submerged.

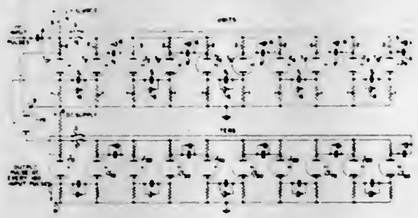
21. A buoyant electrode comprising a center composed of a plurality of core members, bare wires or strands laid up about said center and a non-metallic fabric sheath about said wires or strands, the weight to volume ratio of the electrode being such as to render the electrode buoyant in sea water, said sheath being water pervious and protecting said electrode against loss of metal due to electrolytic corrosion when an electric current is passed through the water in which the electrode is floating to a companion electrode.

2,549,778
PROJECTILE LAUNCHING
Blick Crawley, Washington, D. C.
Application December 14, 1945, Serial No. 635,115
2 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



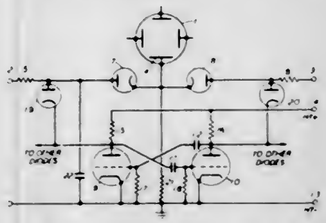
1. In combination with a rocket launching apparatus including a frame, a cylindrical pointed rocket projectile, an annular ring encircling said projectile, a rearwardly directed recess in said ring, and a forwardly directed latching clip formed on said frame, said clip having an extension thereon for interengaging with the recess in said ring for supporting the projectile on said launching apparatus without hindrance to forward motion of said projectile upon firing of said rocket.

2,549,779
ELECTRONIC COUNTER CIRCUIT
Russell Sydnor Crenshaw, Jr., United States Navy, Virginia Beach, Va.
Application December 9, 1949, Serial No. 132,181
18 Claims. (Cl. 315—323)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electronic counter for counting electric pulses comprising a plurality of gaseous discharge tubes, means including a direct current power source for energizing said tubes, means for applying said pulses to said tubes in common, and rectifier shunted capacitor coupling means connecting said tubes into an endless operating ring, whereby conduction of one of said tubes charges only the capacitor coupling to the next tube in sequence.

2,549,780
DISPLAY ARRANGEMENT FOR ELECTRIC OSCILLOGRAPHS
Charles William Earp, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application January 25, 1947, Serial No. 724,318
In Great Britain January 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 23, 1966
12 Claims. (Cl. 315—26)



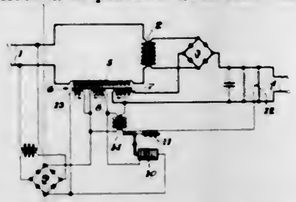
1. An arrangement for producing a plurality of successive traces on the screen of a cathode ray oscillograph corresponding respectively to a plurality of sources of deflecting potentials, comprising a plurality of series blocking devices respectively connecting all the said sources to the same one of the deflecting plates of the oscillograph, a plurality of blocking devices corresponding respectively to the said series blocking devices and connected in shunt with the connections between the sources and said deflecting plate, means for periodically unblocking the said series blocking devices in turn, one at a time, and means for unblocking each of the said shunt blocking devices during each period when the corresponding series blocking device is blocked.

2,549,781
CANNING METHOD FOR TOMATOES AND THE LIKE
William J. Emmons, Oakland, and Bernard S. Gallagher, Piedmont, Calif., assignors to Salter Machine Co., Oakland, Calif., a corporation of California
No Drawing. Application July 23, 1945, Serial No. 606,714
7 Claims. (Cl. 99—186)

1. In a process for canning fruits and vegetables the steps of placing a charge of sodium chloride in the can, filling the can with material chosen from the class consisting of fruits and vegetables, dumping on top of said material a measured charge of dry calcium chloride, closing said can, and subjecting its contents to a cooking temperature.

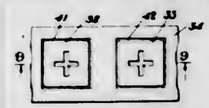
2,549,782
VOLTAGE REGULATOR
Edmund Engelman, Elmhurst, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 6, 1945, Serial No. 609,215
3 Claims. (Cl. 323—66)

1. A voltage-regulated power supply system that comprises a reactor including a saturable core and a plurality of windings including an alternating current winding and a first, a second and a third direct current winding, said first direct current winding being connected to a load, the magnetic polarity of said first direct current winding being the same as the magnetic polarity of said second direct current winding and opposed to the magnetic polarity of said third direct current winding, a variable resistance connected in circuit with said second direct current winding, said second direct current winding and resistance being connected in parallel with said third direct



current winding, and means responsive to the load voltage for varying the resistance of the variable resistance whereby the current in the second direct current winding is changed and the saturation of the saturable core is altered.

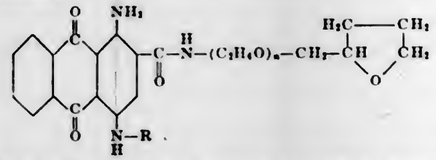
2,549,783
ANTENNA
Louis A. De Rosa, Staten Island, and Frank J. Lundburg, New York, N. Y., and Harold Norman Capen, Passaic, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 20, 1945, Serial No. 600,464
7 Claims. (Cl. 250—33.65)



1. An antenna comprising a member having a conductive surface containing an opening having peripheral dimensions to render said opening resonant at a given operating frequency, energy transfer means coupled to points on opposed edge portions of said opening for establishing a plurality of areas of spaced current maxima on said surface at said operating frequency, said surface having a maximum dimension limited to include only a single area of said current maxima.

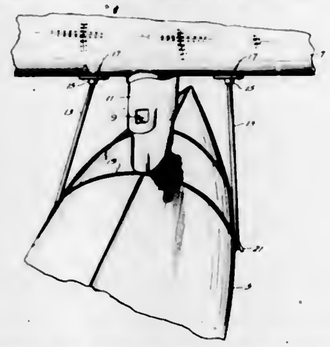
2,549,784
1,4 DIAMINOANTHRAQUINONE COMPOUNDS CONTAINING A CARBOXY-β-TETRAHYDROFURFURYLOXYALKYLAMIDE GROUP IN THE 2-POSITION
Joseph B. Dickey and Anthony Loria, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 1, 1947, Serial No. 783,624
7 Claims. (Cl. 260—345)

1. The anthraquinone compounds having the formula:



wherein R represents a member selected from the group consisting of a hydrogen atom, an alkyl group having one to four, inclusive, carbon atoms, a hydroxyalkyl group having two to three, inclusive, carbon atoms and an alkoxyalkyl group having three to four, inclusive, carbon atoms and wherein *n* represents a number selected from the group consisting of one, two and three.

2,549,785
AIRCRAFT FUEL TANK EJECTOR
Ben W. Douglass, Dayton, Ohio
Application April 10, 1946, Serial No. 661,035
4 Claims. (Cl. 244—135)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

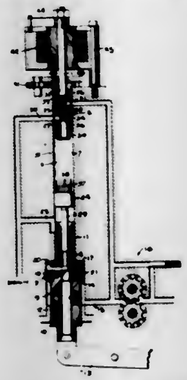


1. Means for assisting in the ejection of a droppable container mounted externally of an aircraft, comprising in combination with said container and releasable supporting means therefor a pair of bracing struts symmetrically disposed on opposite sides of the center line of the container, and each having the upper end thereof abutting the aircraft structure, a sliding abutment positioned at the lower end of each strut axially movable relative to said strut, flexible thrust distributing means engaging both of said sliding abutments and the top of said container for transmitting a downwardly exerted force from both of said sliding abutments on said container upon release of the container compression spring loaded means housed within said struts and engaging said abutments to apply ejecting force therethrough to said thrust distributing means upon release of said container.

2,549,786
HYDRAULIC FORCE AMPLIFIER
George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application November 12, 1948, Serial No. 59,692
6 Claims. (Cl. 121—41)

1. Mechanism for amplifying a control force comprising a body having an elongated bore, a ported valve sleeve rotatable in one end of said bore, a piston axially slidable in said bore beyond the inner end of said sleeve, a resiliently rotary drive connection between said piston and said inner sleeve end, said connection being yieldably extensible and contractible axially in response to fluid pressure changes in the chamber within said bore between said piston and said sleeve, a valve plunger reciprocable in said sleeve and adapted at its outer end to receive said control force, the inner end of said plunger closing said sleeve bore, ports and lands on said plunger and sleeve cooperating to form a valve for permitting the flow of pressure fluid to and from said chamber in response to axial displacement of said plunger in opposite directions away from a neutral position relative to said sleeve, a tubu-

lar piston slidable in the other end of said bore and having an axial bore, a cylinder in which the servo piston slides, a valve stem projecting from said first piston into said servo piston bore, a land and port formed on said second bore and said stem and cooperating to form a second valve



operable by displacement of said first piston to admit pressure fluid to or from said servo cylinder to cause displacement of the servo piston in a direction to follow up the displacement of said first piston, and means for rotating said sleeve to eliminate static friction between the coacting surfaces of valves and said first piston and bore.

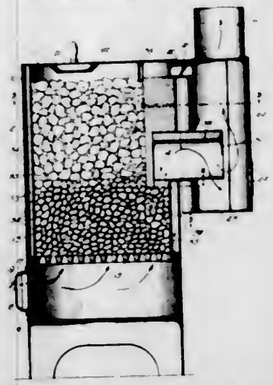
2,549,787
CALCINING KILN
John B. Dube, Dallas, Tex.
Application November 21, 1947, Serial No. 787,347
6 Claims. (Cl. 263—22)



1. A calcining kiln including an inclined, rotatable cylinder insulated against temperature radiation, a plurality of radial risers extending spirally in said cylinder, each in unbroken continuity, from one end to the other thereof, means for holding said risers out of thermal contact with said cylinder, a burner in the discharge end of said cylinder, relatively spaced smooth faced dams within the circumference of and within said cylinder, defining the area of greatest radiant energy intensity and shaped to divert the heat of said flame towards the axis of the cylinder throughout said area during passage of material through the plastic zone of said kiln, a stationary feeding cylinder at the feeding end thereof, and a rotary cooling cylinder at the discharge end thereof of said kiln.

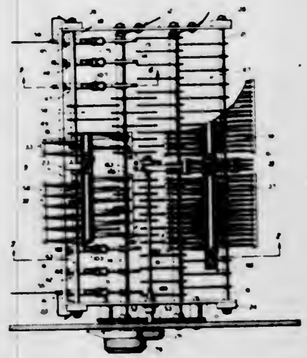
2,549,788
COMBUSTION CHAMBER FOR A COAL STOVE AND AN AIR SUPPLY THERETO
Julian R. Fellows, Urbana, Ill., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill.
Application March 21, 1945, Serial No. 583,905
2 Claims. (Cl. 126—73)

1. A coal stove and the like comprising a fire box having therein a coking zone and a coke-burning zone, a combustion chamber in communication with but separate from said zones, said combustion chamber extending partially inside and partially outside of the fire box, a grate beneath the fire box, a roof above the fire box, a flue communicating with the combustion chamber, means for supplying air to said zones and



said combustion chamber, and a scoop-shaped refractory element fastened in inverted position to the inner side of the stove with the scoop portion of said element defining the fire box end of the combustion chamber, said scoop portion having the hollow part thereof toward the center of the combustion chamber.

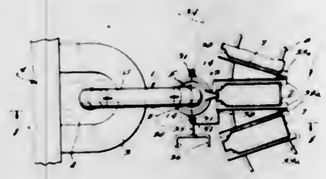
2,549,789
TANK CIRCUIT APPARATUS
Thomas M. Ferrill, Jr., Hempstead, N. Y.
Application December 31, 1947, Serial No. 795,022
25 Claims. (Cl. 250—40)



1. Tank circuit apparatus comprising a variable capacitance system, first and second inductors, and switching means operatively coupled to said variable capacitance system to be actuated at selective capacitance adjustments thereof, said variable capacitance system comprising first and second variable capacitors ganged together including rotor means rotatable through two successive 180° range portions each between a position of minimum capacitances of both capacitors and a position of maximum capacitances of both capacitors, the first capacitor including means for permanent connection to an external circuit, means connecting the second capacitor to said second one of said inductors, conductor means

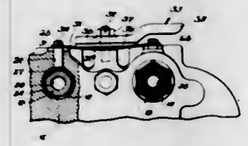
electrically interconnecting said switching means with said capacitors and said inductors said switching means including means for maintaining said first capacitor connected to said first inductor throughout one of said 180° range portions and for transferring the connection of said first capacitor to shunt with said second capacitor and said second inductor through the other of said 180° portions.

2,549,790
METAL TRANSFER AND POURING SYSTEM
William H. Finkeldey, Hastings on Hudson, N. Y., and Fletcher R. Edes, Plymouth, Mass., assignors to Singmaster & Breyer, New York, N. Y., a copartnership
Application June 11, 1948, Serial No. 32,286
10 Claims. (Cl. 266—38)



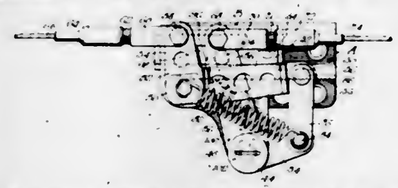
7. In a molten metal transferring and casting apparatus comprising a reservoir for a supply bath of the metal, a horizontally aligned ladle supported for horizontal and tilting movements to pour the metal, a continuously unbroken inverted U-shaped siphon tube to interconnect said bath and a body of the metal held in said ladle, all except end portions of said tube enclosed within a jacket carrying heating elements to heat said tube, and means connected with said jacket for suspending said tube in working position over and with said end portions extending, respectively, into said bath and said body, the tube being freely swingable on said suspending means so that the end portion in said ladle follows horizontal movements of the ladle.

2,549,791
FLUID LINE COUPLING
Edward H. Fletcher, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application February 9, 1949, Serial No. 75,385
10 Claims. (Cl. 285—96.3)



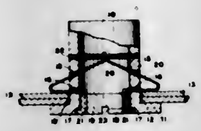
1. In a device of the class described including a pair of normally connected parts arranged for separation by movement of one part in a direction away from the other, the improvement residing in controllable detent means normally operable to hold the parts against separation except in the event of the application to one part of a separating force and releasable to provide for separation of the parts by force less than a separating force, said detent means comprising: a detent for one part; means providing a detent-receiving pocket in the other part; means carrying the detent on said one part for movement back and forth into and out of the pocket along a path at an angle to the direction of separation of the parts; spring means carried by one part and engaging the detent; and an operating handle pivoted on one part for movement between first and second positions and having cam means engaging the spring means in one position of the handle to load said spring means for yieldingly urging the detent into the pocket, said cam means being effective when the handle is in its second position to relieve the loading on said spring means.

2,549,792
CONTROL DEVICE FOR PROSTHETIC HANDS
Maurice J. Fletcher, Maxwell, Iowa, assignor to the United States of America as represented by the Secretary of War
Application May 20, 1947, Serial No. 749,370
2 Claims. (Cl. 3—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



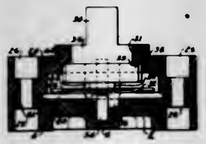
1. A control device for prosthetic hands, comprising a base member, a carriage member slidably mounted on the base member for slidable movement relative thereto, power-input means adapted to be connected to a source of power, power-output means connected to a prosthetic hand for operating the fingers thereof, a plurality of levers pivotally mounted on the carriage member, one of the levers being connected to the power-input means and thereby being the power-input lever, another of the said levers being connected to the power-output means and thereby being the power-output lever, the pivotal mountings of the levers constituting the fulcrum therefore, the power-input lever having a short arm between the power-input means and the fulcrum, and a long arm between the fulcrum and the other end of the lever, the power-output lever having a long arm extending between the power-input means and the fulcrum, a link interconnecting the long arm of the input lever to the short arm of the output lever, a spring attached to at least one of the levers and maintained under a pre-set tension, whereby upon application of power to the power-input means to operate the fingers of the hand, the carriage member with the levers mounted thereon, together with the power input means and the power output means, moves as a unit along the base member towards the source of input power without separation of the levers until the fingers engage a load, whereupon further application of power to the input means causes the levers to separate at the limit of movement of the carriage member, thereby producing a predetermined multiplication of power to the fingers thereby enabling the fingers to grasp and pick up the load, locking means effective at the end of the movement of the carriage member against return, and means carried by one of the levers for releasing the locking means responsively to return of the levers to closed position under action of the spring responsively to relaxation of input power, thereby permitting return of the carriage member responsively to the opening of the fingers to its original position.

2,549,793
SNAP FASTENER
John P. Francesco, Haverhill, Mass.
Application July 25, 1947, Serial No. 763,708
9 Claims. (Cl. 85—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A snap fastener for attachment in a hole from one side of an article, comprising a hollow sleeve having means at one end to limit insertion of the sleeve in the hole and opposite slots in the sleeve, each slot having angular lateral extensions and spring means confinable in the sleeve and adapted to spring outwardly through said slots and rotatable into said extensions to engage the rear side of an article through which the sleeve is inserted.

2,549,794
CONTROL SWITCH
Stanley L. Frank, Beaver, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 11,940
14 Claims. (Cl. 200—159)

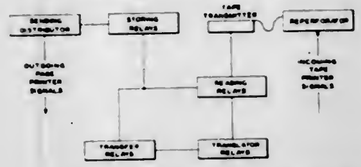


4. A switch adapted for use with a rotary or a push-button type of operating handle, comprising a base of insulating material, said base having at one side a central recess and a plurality of contact recesses spaced about said central recess, each of said contact recesses extending to the adjacent edge of said base, angled contact members adapted at operative positions to have one leg thereof seated in one of said contact recesses with the other leg thereof in engagement with said adjacent edge of the base, spaced abutments on said base adapted to overlie a portion of the outer side of said other leg of each contact member respectively, to prevent outward movement of the contact members, a cover for said one side of the base to prevent lateral movement of said contact members from their respective contact recesses when said cover is secured to the base, said cover having a cavity overlying portions of said contacts for receiving a movable bridging contact, and said cover also having an aperture aligned with said central base recess for receiving a rotary or a push button type of operating handle for operating said bridging contact, a terminal screw on said other leg of each contact member, and said base having recesses in said adjacent edge thereof for receiving said terminal screws respectively, for preventing lateral outward movement of said contact members when said cover is not in place.

2,549,795
ORGANIC ANTIMONY COMPOUNDS DERIVED FROM 1,3,5-TRIAZINE
Ernst A. H. Friedheim, New York, N. Y.
No Drawing. Application August 24, 1946, Serial No. 692,927
2 Claims. (Cl. 260—249.6)

1. A process for the homo-polymerization of mono-sodium p-melaminyl-phenylstibonate, said process comprising heating an aqueous solution of monomeric mono-sodium p-melaminylphenylstibonate in the presence of urea until a homopolymerization product soluble in said solution is formed.

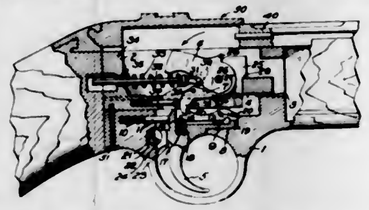
2,549,796
TELEGRAPH CODE TRANSLATOR SYSTEM
Albert E. Frost, Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 29, 1949, Serial No. 124,381
15 Claims. (Cl. 178—26)



1. In a telegraph system having a transmitter controlled by tape printer code signals, a transmitting distributor and a receiving mechanism controlled by page printer code signals and in which the tape printer code differs in certain characters from the page printer code, means for translating said certain tape printer characters into page printer characters comprising, in combination, a group of reading relays responsive to the tape printer code signals from said transmitter and selectively settable in accordance with the codal units of the tape printer characters, a group of storing relays selectively settable for marking the code transmitting contacts of said distributor, means including transfer contacts on said distributor for transferring successively to said storing relays the codal units of the character set up on the reading relays when tape to page translation is not required, a plurality of translator relays selectively operable when said tape printer characters which require translation are set up on the reading relays, transfer relays controlled by the translator relays, means including other contacts of said distributor for timing the operation of said translator and transfer relays, and means including said transfer relays and said distributor transfer contacts for controlling the settings of said storing relays to effect translation to page printer characters.

2,549,797
FIRE CONTROL MECHANISM
Alonzo F. Gaidos, Redwood City, Calif.
Application June 21, 1946, Serial No. 678,186
4 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fire control mechanism for a firearm comprising a first and second housing separably mounted thereto, a hammer pivotally mounted in said first housing, a sear pivotally mounted in said first housing, said sear being engageable with said hammer to retain said hammer in a cocked position, a trigger slidably mounted in said second housing for longitudinal movement relative to said sear, and a disconnector on said trigger en-

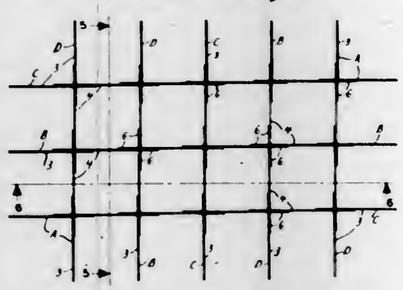


gageable with said sear during rearward movement of said trigger to pivot said sear out of engagement with said hammer.

2,549,798
PRODUCTION OF MAGNESIUM CHLORIDE FROM MAGNESIUM SILICATE ORE
Edwin A. Gee, Washington, D. C., and Morton T. Pawel, Norris, Tenn., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application January 17, 1947, Serial No. 722,606
7 Claims. (Cl. 23—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

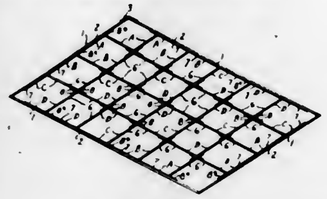
1. In a process for the production of magnesium chloride involving the treatment of a magnesium silicate mineral with hydrochloric acid, the improvement which comprises carrying out said treatment by the increment addition of one reactant to the other, wherein the first mineral increment is between about 15 and 35 percent of the weight of the total mineral and the first acid increment is between about 65 and 95 percent by weight of the theoretical quantity of acid required for about 85 percent decomposition of the mineral, and the balance of mineral and acid is added in a plurality of increments on the completion of the reaction of the preceding increment, whereby gellation of liberated silica compounds is substantially inhibited.

2,549,799
COLLAPSIBLE CELLULAR PARTITION FOR CONTAINERS
Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application September 15, 1947, Serial No. 774,019
7 Claims. (Cl. 229—42)



1. A collapsible cellular partition for containers comprising a plurality of superimposed partition strips provided with cross slits and score lines extending from the ends of said slits to the side marginal edges of said strips, said slits and score lines dividing the said strips into a series of cross panels, the slits of each strip being shaped to form tongues in the plane thereof projecting from the adjacent edges of the panels thereof, the tongues of each strip being permanently secured flatwise to adjacent panels of the strip or strips in contact therewith, the collapsed partition being adapted to be set up by bending the strips along their score lines to bring their panels into cell forming relation, said tongues being located at the corners of the cells in the set-up position of said partition with the tongue of each cell forming panel extending straight from the cell formed in part thereby into an adjacent cell.

2,549,800
COLLAPSIBLE CONTAINER AND CELLULAR PARTITION UNIT
Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application October 3, 1947, Serial No. 777,785
2 Claims. (Cl. 229—42)

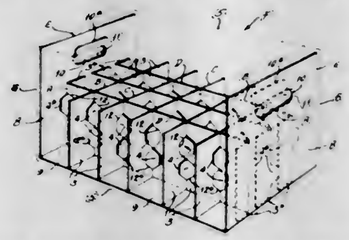


1. A collapsible container and partition unit comprising a container having collapsible side walls and a partition having cooperating collapsible cell forming strips, said partition being interposed between said collapsible side walls with its cell forming strips secured thereto for collapse therewith into flat form and for movement therewith into cell forming relation by the movement of said side walls into container forming relation, said strips being provided with cross slits and score lines extending from the ends of said slits to the longitudinal side marginal edges of said strips, said slits and score lines dividing said strips into a plurality of cell forming cross panels with tongues and openings along the adjacent edges thereof, the tongues of each strip being permanently secured flatwise to adjacent panels of the strip or strips in contact therewith, the endmost panels being secured flatwise to the inner faces of the side walls of said container, said tongues being located adjacent to the corners of the cells in the set-up position of said partition with the tongues of the cell forming panels extending straight through said openings from each cell into an adjacent cell.

2,549,801
COLLAPSIBLE CONTAINER PARTITION AND LINER UNIT
Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application October 6, 1947, Serial No. 778,169
2 Claims. (Cl. 229—42)

1. A collapsible partition and liner unit for a container comprising a plurality of superimposed partition strips and liner members all initially connected together in flat form for movement relative to one another to bring said partition

strips into position to form a plurality of cells and said liner members into position crosswise of the partition strips at two opposite sides of said partition in the cell forming position thereof to form liners for the corresponding side walls of said containers, said strips being provided with cross slits and cross score lines extending from the ends of said strips to the longitudinal side edges of said strips, said slits and score lines dividing said strips into a plurality of bendable cell forming cross panels with tongues and



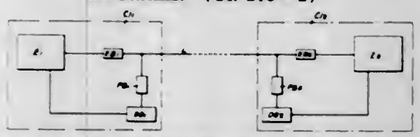
openings along the adjacent edges thereof, the tongues of each strip being secured flatwise to adjacent panels of the strip or strips in contact therewith and the endmost panels of some of the strips being secured flatwise to the inner faces of the liner members, said tongues being located adjacent to the corners of the cells in the cell forming position of said partition with the tongues of the cell forming panels extending straight through said openings from each cell into an adjacent cell.

2,549,802
COLLAPSIBLE CELLULAR CONTAINER PARTITION
Walter C. George, St. Louis, and Arthur P. Klasing, Webster Groves, Mo., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application February 4, 1948, Serial No. 6,266
3 Claims. (Cl. 229—42)



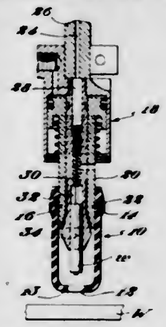
1. A collapsed right angular partition forming device comprising at least two plate-like members of equal height arranged in face contacting relation, each member being severed from the top portion to the bottom portion thereof by a like tortuous slit forming a plurality of projections, the transverse medial line of which extends at right angles to the lower edge of the members traversing said projections substantially intermediate the length thereof, said members being positioned in face contacting relation with said transverse lines in registry and the slit of one member reversely positioned with respect to the other, each member having portions of the projections on each side of said transverse line, said portions of the projections only being secured to the opposite overlapping member, whereby said collapsed members may be positioned at right angles to each other in operative position.

2,549,803
TRANSMISSION SYSTEM FOR CONTROLS AND SIGNALS FOR TOLL OR LONG DISTANCE TELEPHONE CIRCUITS
Fernand P. Gohorel, Antony, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 5, 1947, Serial No. 766,422
In France December 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 20, 1965
12 Claims. (Cl. 179—1)



1. In a telephone system having a plurality of offices and interconnecting line circuits, means for transmitting control signals between offices at voice frequency comprising at a station a detector-oscillator device, means normally connecting said device to the line circuit of that office through selective means to receive only the frequency of said control signal, means connecting said office and line circuit for the voice band exclusive of said control signal frequency, and means controlled from said office to cause said device to change over and transmit oscillations at said control signal frequency over said first mentioned connecting means to said line circuit.

2,549,804
WELDING BOOT
Harold J. Graham, Highland Park, Mich., assignor to Graham Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application November 1, 1949, Serial No. 124,901
8 Claims. (Cl. 219—4)

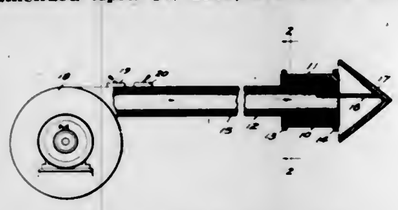


1. For use with welding apparatus having a chuck for holding a stud to be welded to a workpiece, a device for isolating the area in which the welding takes place from the surrounding atmosphere comprising a cylindrical boot of yieldable material positioned circumjacent the stud and having a circular aperture in one end thereof having a diameter greater than the diameter of the stud and lesser than the diameter of the boot thereby to form a lip, and means for attaching the opposite end of the boot to the chuck so that movement of the chuck forces the lip of the boot into contact with the workpiece to seal the interior of the boot from outside atmosphere, further movement of the chuck collapsing the boot thus permitting the stud to pass through the aperture into welding contact with the workpiece.

2,549,805
REMOVAL OF OPTICS FILMING COAT
Arvid Grenstad, Port Orchard, and Robert B. Callison, Bremerton, Wash.
No Drawing. Application May 7, 1945, Serial No. 592,431
3 Claims. (Cl. 134—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. The method of removing coatings from glass used for optical purposes comprising forming a solution of a mineral acid selected from the group consisting of sulfuric, perchloric, phosphoric, nitric and hydrochloric acids and an inhibitor comprising boric acid in the approximate proportion of about fifty (50) grams inhibitor to about one (1) liter of mineral acid, immersing the glass in said solution and heating said solution to a temperature of about 100° C., removing the source of heat, and allowing the solution to cool to room temperature before removing the glass from the solution to avoid thermal shock to the glass.

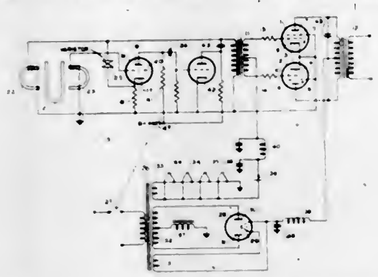
2,549,806
ELECTRIC FUEL IGNITER
William D. Hall, Elkins, W. Va.
Application April 1, 1947, Serial No. 738,600
5 Claims. (Cl. 219—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An igniter for solid fuel comprising an element of insulating material, a handle for the element enabling the latter to be rammed into a bed of coal, a heating wire covered by said element and insulated mechanically and electrically from contact with the fuel for heating the element, spaced electrodes adjacent the element and arranged to contact the heated fuel, and means for applying sufficient electrical potential across said electrodes to cause sufficient current to pass through the heated fuel to ignite the same.

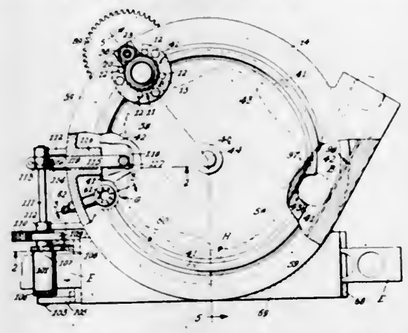
2,549,807
INVERTER TUBE PROTECTIVE DEVICE
Jack N. Heed, Larchmont, N. Y.
Application July 26, 1946, Serial No. 686,279
1 Claim. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In an alternating current generator: a tuning fork; a vacuum tube amplifier means having a cathode bias resistor therein; means connected to the output of said amplifier means for driving said fork; means responsive to vibrations of said fork and connected to the input of said amplifier means; gas-filled thermionic tube means having an input that is coupled to the output of said amplifier means; power supply means for applying anode and heater potentials to said amplifier and gas tube means; switch means for activating said power supply means; means for applying negative bias to the input of said gas tube means instantly with closure of said switch means, said power supply means becoming activated a finite time after said switch means is closed and thereby delaying the application of voltage to the plate of said gas tube means; said tuning fork, said means responsive to said fork, and said means for driving said fork determining by their effective time constants the time of discharge of said gas tube means after power is



applied thereto; and a varistor connected between the output of said amplifier means and said cathode bias resistor, whereby a degenerative signal is applied to the input of said amplifier means as an inverse function of the output thereof, to further delay the discharge of said gas tube means.

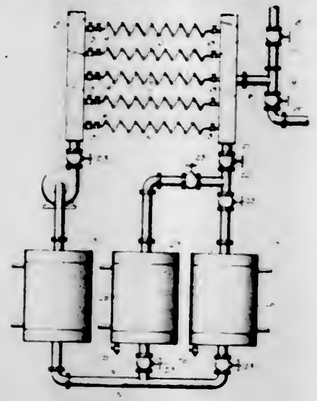
2,549,808
APPARATUS FOR PRODUCING FRANGIBLE SEAL CONTAINER PARTS
Carl W. Heinle, East Orange, and Ronald E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 5, 1947, Serial No. 766,344
2 Claims. (Cl. 154—1.5)



2. An apparatus for producing a unit frangible sealing element and a closure member, comprising in combination a magazine for retaining a stack of closure members, a rotatable turret having movement below said magazine for conveying a closure member through a plurality of working stations, separator means adjacent said magazine for separating a closure member from said magazine and for delivering it to a pocket of the turret, heating means positioned below said turret at a heating station for heating said member, feeding means for passing a web of frangible sealing material having at least a portion thereof thermoplastically fusible over said turret and through a cutting station, die means located below said turret at said cutting station for cutting a frangible sealing disc from said web, means for rotating said turret to position a separated container member at said heating station and to

position a heated closure member over and in alignment with said die means at said cutting station, and means for operating said die means to first cut said disc and then to lift the cut disc into engagement with said heated closure member, said die operating means thereupon holding the disc against said closure member during fusion of the thermoplastic portion of the disc to effect adherence of the sealing disc on said closure member thereby uniting them into a unitary structure.

2,549,809
DRYING REFRIGERATOR COILS
Arnold H. Heineman, Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del., a corporation of Delaware
Application April 8, 1946, Serial No. 660,372
2 Claims. (Cl. 34—104)



1. Apparatus for drying refrigerating coils comprising an entry header, a return header, means for connecting a plurality of coils between the headers, a desiccating system, means for withdrawing gas from the desiccating system and returning it to the return header, a vacuum pump communicating with one of the headers, and means for introducing refrigerant under pressure to one of the headers.

2,549,810
METHOD OF AND APPARATUS FOR FORMING TUBULAR ARTICLES FROM LAMINATED MATERIALS
David E. Hervey and Robert W. Hervey, Old Fort, N. C.
Application October 31, 1945, Serial No. 625,766
3 Claims. (Cl. 154—83)



1. The method of forming a hollow integrally molded seamless member which comprises the steps of coating a sheet of material with adhesive on both faces thereof, attaching one edge of the sheet of material to a longitudinally split core, spirally wrapping the sheet of material loosely upon itself and about the core in successive convolutions in contiguous coextensive layers to form a substantially hollow member, enclosing the wrapped material and core in a longitudinally extending casing having a form of desired shape, anchoring the outermost edge of the sheet material to the casing, turning the core and the wrapped sheet of material while holding the casing stationary, applying pressure to the core uniformly against the internal surface of the same simultaneously with the turning of the core to expand the core whereby each layer is caused to move relative to adjacent layers and heating the assembled parts to set the adhesive.

3. In a machine for forming articles comprising in combination, an elongated base, a hollow casing adapted to receive a loosely-wound laminated article, means for heating said casing, an expansible inflatable core means in said casing adapted to support said article therein and when expanded to force the article against said casing and means on said base for rotating said core means.

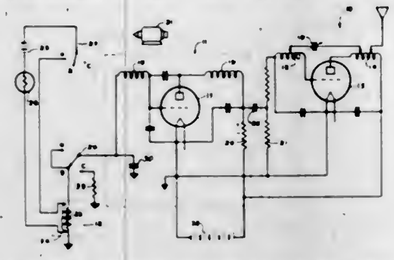
2,549,811
POWDER TRAP
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application August 24, 1944, Serial No. 551,047
9 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A rocket motor comprising in combination a tubular member having at one end a constricted exit orifice, a support extending diametrically of said member near the end of said tubular member opposite said orifice, and a plurality of strips of ribbon-like propellant material draped over said support to hang longitudinally within said member.

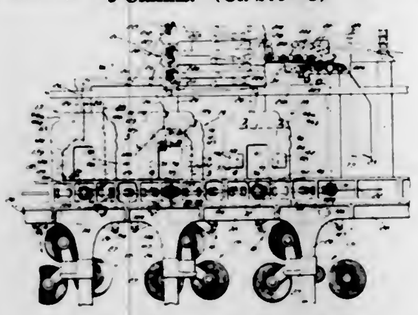
2,549,812
WIND VELOCITY MEASURING MEANS
Leon Hillman, New York, N. Y.
Application May 13, 1944, Serial No. 535,564
9 Claims. (Cl. 73—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. A fluid current measuring device comprising a resistor, the resistance of which varies with temperature, said resistor being exposed to said fluid current, periodic means to alternately apply and remove heating energy to said resistor, the intervals of application and removal of said heating energy being long enough to alternately heat said resistor to a temperature determined by the speed of said fluid current and then to



permit said resistor to cool to the ambient temperature of said fluid, and means for coupling a recorder to said resistor to measure the variations in resistance of said resistor.

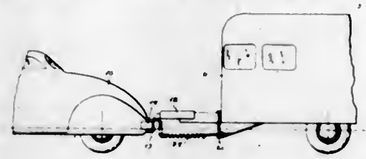
2,549,813
FRAME SUPPORT AND DRIVE MEANS FOR PRINTING MACHINES
William F. Huck, Forest Hills, N. Y., and Anton Stobb, Union Township, Hunterdon County, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 15, 1945, Serial No. 577,980
9 Claims. (Cl. 270—5)



1. In a multi-unit web printing machine, a plurality of substructure supporting means, a plurality of first spacers for the supporting means, the top surfaces of the said supporting means and spacers forming a common plane, a plurality of web printing units with bottom portions arranged to rest on the supporting means and the first spacers, a plurality of second spacers for the printing units with bottom portions arranged to rest on the supporting means and the first spacers, the bottom portions of the printing units and of the second spacers each having a longitudinal slot providing an anchorage for fastening devices, and a plurality of fastening devices spaced along the supporting means and first spacers at separated points for cooperation with the longitudinal slot, whereby the printing units and the second spacers can be secured to the supporting means and the first spacers in any position lengthwise of the printing machine.

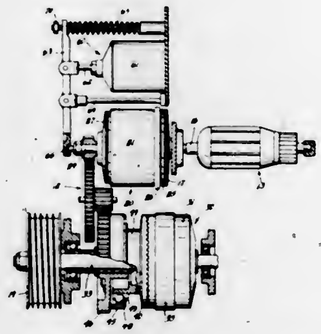
2,549,814
TRAILER HITCH
Horace D. Hume, Mendota, Ill.
Application November 12, 1947, Serial No. 785,269
6 Claims. (Cl. 280—33.9)

1. A coupling apparatus for connecting a trailer to a power vehicle comprising an attachment frame rigidly secured to the trailer and having a universal connection at the forward end thereof for attachment to the frame of the power vehicle and positioned substantially above the axle line of both the power vehicle and the trailer, rigid brackets depending from the attachment



frame and brackets rigidly connected to power vehicle frame and depending below the said axle lines, and transversely spaced tension springs connecting said first named brackets with the second named brackets at a level below the axle line whereby the springs are extended when the universal connection moves downward.

2,549,815
SERVO UNIT
William L. Huntington, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 18, 1946, Serial No. 648,484
15 Claims. (Cl. 74—625)



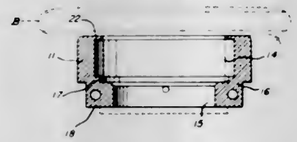
1. A servo unit, comprising, in combination, a member operable between two extreme positions, said member being adapted to be selectively operated by manual or mechanical means, said mechanical operating means including a reversible electric motor connected to said member by a gear train, an electromagnetically operated combination clutch and brake means forming a part of said connection, said motor and said combination means being electrically connected so that upon energization of said motor said combination means moves into clutch engaging position and upon deenergization of said motor said combination means moves into brake engaging position, electromagnetically operated clutch means forming a part of the connection between said motor and said member, said clutch means being selectively operable to disengage said member from operable association with said mechanical means, and electromagnetically operated means biased to deenergized position and operable concurrently with said clutch means to move said brake means from an engaged to a disengaged position.

2,549,816
PORTABLE SHELTER
Hugh B. Johnson, Falls Church, Va.
Application April 24, 1946, Serial No. 664,445
9 Claims. (Cl. 108—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In a portable shelter comprising a frame, rafter members, and roof panels, at least one of said roof panels having an inverted channel rib: means for attaching said last-named roof panel to said frame, said means comprising a ridge member engaging said roof panel, an elongated member depending from said ridge member for engaging said frame, means for tightening said ridge member on said frame, and a flashing member positioned on said rafter and fitted inside the channel rib of said roof panel; whereby upon the tightening of said elongated member on said frame, said flashing member affords a watertight seal between said roof panel and said rafter.

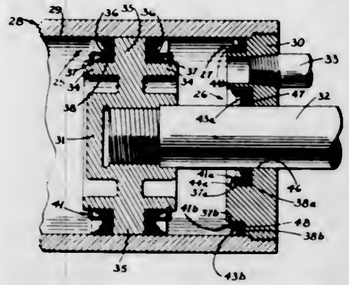
2,549,817
CLUTCH RELEASE BEARING LUBRICATING DEVICE
Joseph E. Johnson, Sr., Houston, Tex.
Application March 30, 1945, Serial No. 585,774
2 Claims. (Cl. 308—233)



1. A lubricator of the kind described, comprising a sectional collar-like body member having internal bored large and small diameters and a stepped annular shoulder portion therebetween, for the encircling and embracing a clutch release bearing, and a lubricant supply nipple communicating with the large diameter and accessible without the body member.

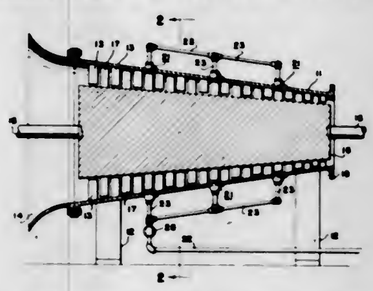
2,549,818
SEALING DEVICE
Joseph F. Joy, Warren, Ohio
Application August 23, 1945, Serial No. 612,291
23 Claims. (Cl. 309—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

8. In apparatus having at least two parts forming a joint which is to be sealed, resilient sealing means carried by one of said parts and adapted to expand radially into peripheral sealing contact with a joint-surface to be sealed when held under compression, and sectional retaining means for holding said sealing means against axial displacement with respect to said one part and for maintaining said sealing means under compression comprising coacting retainer sections assemblable in direct contact with a surface of said one part and disposed in holding relation with respect to said sealing means with the latter under compression, each retainer section being moved to holding position by application of force against resilient opposition to



said force, and being held in assembled position in such direct contact with the opposed surface of said one part by force providing said resilient opposition.

2,549,819
AXIAL FLOW COMPRESSOR COOLING SYSTEM
Saul Allan Kane, Washington, D. C.
Application December 22, 1948, Serial No. 66,693
1 Claim. (Cl. 230—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An axial flow compressor having a plurality of axially disposed stages of radial blades adapted to successively compress a gas, a plurality of atomizing nozzles adapted to inject a cooling liquid into selected stages, said selected stages having a plurality of nozzles disposed about its periphery, said selected stages being selectively disposed between others of said sections and means for forcing a cooling liquid through said atomizing nozzles, whereby water is injected at appropriate stages to cool the air passing through said compressor by evaporation of said water.

2,549,820
AMMUNITION REPAIR APPARATUS
Arthur R. Kinzie, Davenport, Iowa
Application September 21, 1945, Serial No. 617,885
3 Claims. (Cl. 86—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. In a machine for separating the projectile of a cartridge from its casing, a pair of elongated beam members, means rigidly connecting said members in horizontally-spaced parallel relation, vertically-adjustable cartridge-supporting means mounted on and between said members for longitudinal adjustment therealong, clamping means

longitudinally adjustable on and along said members to grip the projectile of a cartridge carried on said supporting means, means to releasably secure said clamp means in longitudinally-adjusted position, gripping means longitudinally adjustable on and along said members and adapted to grip the flanged head of the shell of a cartridge carried on said supporting means, said gripping means comprising a head having



an undercut semi-circular channel therein, an adapter adapted to removably fit said channel, said adapter having a semi-circular groove to receive the flange of the head of a cartridge casing of predetermined diameter when supported by said supporting means and power-multiplying means carried by said members and operable to engage and positively move said gripping means on and along said members toward or away from said clamping means.

2,549,821
DOUBLE-TWIST TWISTING MECHANISM
Norman E. Klein, Stamford, Conn., assignor to Deering Milliken Research Trust, Pendleton, S. C., a nonprofit trust of Maine
Application October 2, 1947, Serial No. 777,389
13 Claims. (Cl. 57—58)



1. A device for twisting fibers which produces two twists for each revolution of a spindle, comprising, in combination, a rotatable spindle, an axial and radial passage therein for reception of fibers, means for rotating the spindle, fiber supply support means associated with said spindle, stabilizing means for preventing rotation of said support means with said spindle, a guide to balloon fibers drawn from a supported package about said support means, mounted on said spindle and extending outwardly therefrom, fiber tension control means for maintaining a uniform shape of balloon and disposed between said support means and said guide in the fiber flow path, and means disposed below said support means for receiving twisted fibers, said support means, spindle, passage, guide and receiving means being so positioned that the fiber flow path through the device describes a loop whose total resultant arc is approximately 180°.

2,549,822
BINDER FOR FOUNDRY COMPOSITIONS
Wilbur Euclid Koonce, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware
No Drawing. Application November 24, 1947, Serial No. 787,847
7 Claims. (Cl. 22—188)

4. Molded products comprising finely divided inorganic material and a substantially water-insoluble binder thereof; said binder consisting essentially of the heat reaction product of the following components in about the proportions given:

Components:	Parts by weight
Pentosans and hexosans	60–80
Lignin	5–25
Non-sugar carbohydrates	5–15
Gums	2–8

2,549,823
SETSCREW LOCKING MEANS
Alwin Kost, Portland, Oreg.
Application November 18, 1946, Serial No. 710,523
1 Claim. (Cl. 85—1)

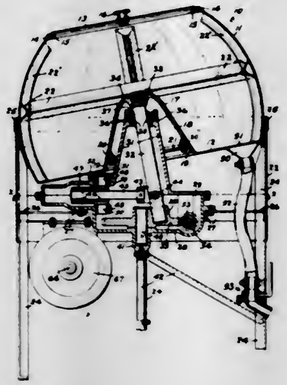


A set screw locking device comprising an annular flange of resilient metal; a centrally positioned hollow dome-shaped set screw abutment member of resilient metal, said flange and abutment member being of uniform thickness with the abutment member integral with said flange and protruding in one direction therefrom; and a plurality of pawl members integral with said flange and extending at an angle from the side of said flange opposite to said set screw abutment member, said pawl members functioning to exert an outward pressure and to resist turning movement of said set screw locking device when said set screw locking device is interposed between a set screw and a member that is to be locked and said hollow resilient dome-shaped set screw abutment member serving to disperse and disrupt vibrations which move outwardly toward the set screw, whereby these vibrations will be ineffective to loosen the set screw.

2,549,824
CLOTHES-WASHING MACHINE
Alwin Kost, Portland, Oreg.
Application February 12, 1947, Serial No. 728,061
5 Claims. (Cl. 68—172)

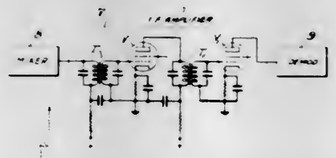
1. A washing machine comprising an upright post supported for tilting and rotative movement about a center intermediate its length; a tub car-

ried by the upper end portion of said post; and means for simultaneously oscillating said post on



its axis and moving said post in conical paths about its center of movement.

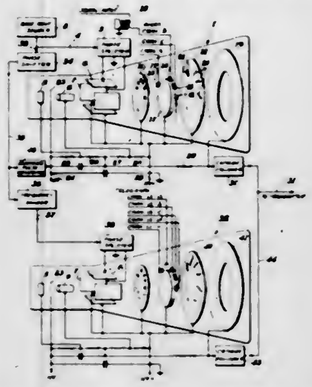
2,549,825
RECEIVER
Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 28, 1945, Serial No. 596,151
2 Claims. (Cl. 250—20)



1. A pass-band amplifier comprising input and output transformers coupled in cascade, the frequency response of respective of said transformers being maximum on either side of the centre frequency of said pass-band and the over-all frequency response of said amplifier being maximum on either side of and substantially zero at said centre frequency, whereby noise components within said pass-band occurring adjacent said centre frequency are minimized, and means for demodulating the output of said amplifier.

2,549,826
MULTIPLEX ELECTRICAL PULSE COMMUNICATION SYSTEM
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 4, 1945, Serial No. 632,731
5 Claims. (Cl. 179—15)

5. In a time division multiplex communication system employing recurrent frames each of a plurality of pulses, a first source of signals, means for modulating the respective pulses of non-sequential frames by signals from said first source, a second source of signals, means for modulating by signals from said second source the same pulses of said non-sequential frames which are not modulated by signals from said first source, a third source of signals and means



for modulating a single pulse of each frame by signals from said third source.

2,549,827
RECOVERY OF ADENYLIC ACID
Louis Laufer, Brooklyn, and Earl D. Stewart, White Plains, N. Y., assignors to Schwarz Laboratories, Inc., a corporation of New York
No Drawing. Application August 7, 1946, Serial No. 688,974
16 Claims. (Cl. 260—211.5)

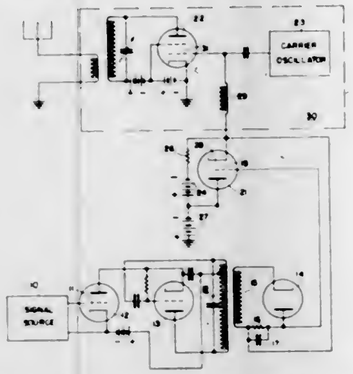
1. The process of segregating adenylic nucleotides from solutions containing also guanylic nucleotides, but substantially devoid of pyrimidines, which comprises the addition to such solution of an aqueous solution of a member of the group consisting of (*a*) an alkali metal salt, the anion of which is not precipitated by lead, said solution being a admixture with alcohol, and (*b*) an alkali earth metal salt, the anion of which is not precipitated by lead, with resultant selective precipitation of the guanylate thereof while the adenylate thereof remains in solution, the separation of the solution and the precipitation of the adenylic acid therefrom by the addition of a heavy metal salt, the precipitation of the heavy metal salt by the addition of a soluble sulphide and the separation of the precipitated heavy metal sulphide.

13. The process of recovering adenylic acid from a solution having a concentration of relatively pure adenylic acid and its alkali salt greater than that of a saturated solution of the adenylic acid equivalent of the adenylate content, which comprises acidifying the solution with mineral acid to pH a little below that of a saturated solution of adenylic acid, and separating the pure adenylic acid crystals thus precipitated from the resultant supersaturated solution.

2,549,828
MODULATION SYSTEM
Melvin L. Leppert, Washington, D. C.
Application August 30, 1945, Serial No. 613,694
1 Claim. (Cl. 332—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

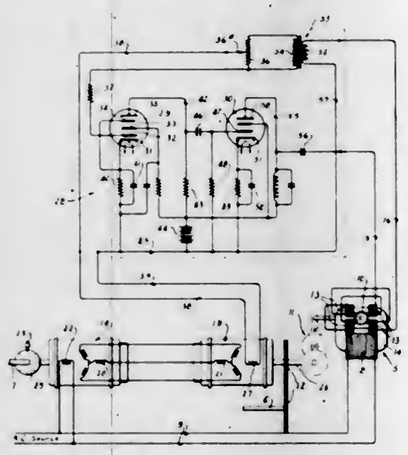
In combination, a sub-carrier wave generator, a modulator connected to said generator for modulating the sub-carrier wave amplitude, rectifier means inductively coupled to said generator

for deriving a unidirectional wave therefrom, a main carrier wave generator including a vacuum tube amplifier for receiving and amplifying said main carrier wave, said vacuum tube amplifier including a grid element for receiving said main carrier wave and for controlling the amplitude of the output wave therefrom, a bias control cir-



cuit for said grid including a source of bias voltage and a second grid controlled vacuum tube the main space current carrying path for which is connected in series relation with the bias voltage in the grid return path of said first named vacuum tube amplifier, and a direct conductive connection between the output of said rectifier and the grid circuit of said second tube.

2,549,829
CONTROL FOR SERVO ACTUATORS
Edgar D. Lilja and Donald L. Hall, Rockford, Ill., assignors to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 6, 1943, Serial No. 497,670
22 Claims. (Cl. 318—30)



22. In an electric servo mechanism the combination comprising a driven member, reversible electric driving means adapted to draw load current and having windings governing the transmission of mechanical movement to said driven member, means for creating a main control voltage varying in accordance with deviations in the position of said driven member away from a desired position defined as a control point, means for applying said control voltage to said motor windings to cause said driving means to move said driven member toward said position at a rate which is a function of the amount of deviation, means including a transformer having a primary winding, means exciting said primary winding with a current which is substantially proportional to the load current drawn by said driving means, a secondary winding on said transformer, said secondary winding being arranged in series with said control voltage creating means, said transformer windings being so polarized that current drawn by said electric driving means produces a voltage in said secondary winding which tends to buck said main control voltage and thereby to prevent overtravel as said driving means reaches its control point.

2,549,830
PETROGRAPHIC SLIDE HOLDER
Malcolm H. Logan and Albert O. Criswell, Boise, Idaho
Application January 4, 1950, Serial No. 136,784
4 Claims. (Cl. 51—217)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

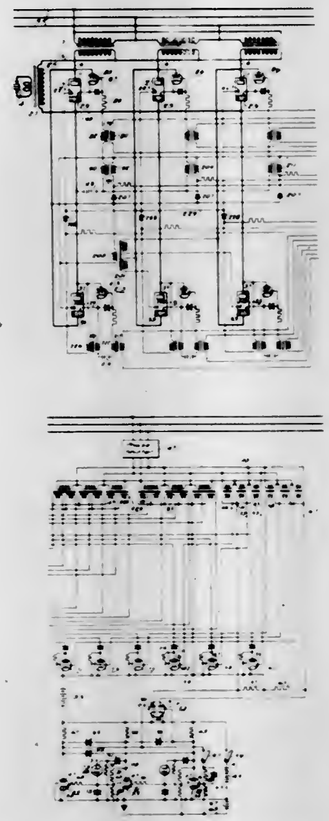


1. A slide holder comprising a pair of bars each provided with a lateral opening and a flat bottom formed with a longitudinal ridge intermediate the sides of the bar, said bars being adapted to be disposed parallel with one another and with said openings in opposed relation, adjustable means for holding the bars in said position, means providing for resilient movement of the positioned bars relative to one another, and a transparent slide placed flat against said bottom faces and resiliently gripped between said ridges for holding on its under face a specimen to be worked on and simultaneously observed through the enlarged port provided by said opposed openings.

2,549,831
CONVERSION SYSTEM
Richard L. Longini, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1948, Serial No. 28,304
18 Claims. (Cl. 315—138)

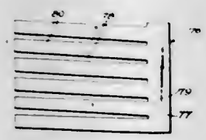
1. In combination first terminals for deriving direct current, second terminals for supplying alternating current through a load, a first main valve connected in circuit with said first terminals to conduct current therefrom to said second terminals, a second main valve connected in circuit with said first terminals to conduct current therefrom to said second terminals, a control network connected to said second valve to control the conductivity of said second valve, interconnections between said first main valve

and said control network for causing said control network to render conductive said second



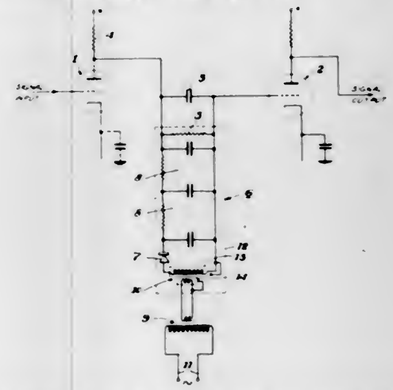
main valve during substantially all the time that said first main valve is non-conductive.

2,549,832
REPLACEABLE GUN LINING
Leo Mackta, Brooklyn, N. Y.
Application May 7, 1945, Serial No. 592,435
12 Claims. (Cl. 42—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



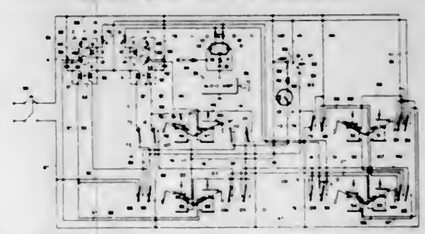
11. In a removable liner for an unrifled gun barrel, a cylindrical metallic shell having circumferentially-spaced, helically-extending slots therethrough, each slot beginning at a point spaced forwardly from the rear end of said shell and extending through the forward end thereof, said shell being shaped to fit the bore of the barrel.

2,549,833
AMPLIFIER BIAS VOLTAGE POWER SUPPLY
Clement Martinez, New York, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 3, 1946, Serial No. 688,357
6 Claims. (Cl. 179—171)



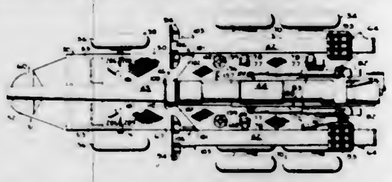
1. A broad band direct coupled circuit comprising at least two stages coupled through a coupling condenser, an alternating current supply, a high ratio step-down transformer connected to said supply, a high ratio step-up transformer connected to said step-down transformer having separately electrostatically shielded primary and secondary coils, a rectifier and series of filters coupled to said shielded secondary the output of which is shunted across the first-mentioned condenser and isolated from ground, whereby a steady direct current bucking voltage is provided and a resistance connected in shunt with the output from said step-down transformer for passing low frequency variations around said condenser to the next stage.

2,549,834
CONTROL CIRCUIT FOR MULTIPLE SOUND REPRODUCERS
Louis F. Mayle, Fort Wayne, Ind., assignor to Farnsworth Television & Radio Corporation, a corporation of Delaware
Application January 9, 1948, Serial No. 1,435
12 Claims. (Cl. 179—100.2)



8. A circuit for controlling the operation of two magnetic reproducers, each having a recording medium, a sound head, a supply reel, a takeup reel, and a reversible reel driving motor having a pair of field windings, comprising a power circuit; circuits connecting said field windings across said power circuit; normally closed disconnect contacts in each of said field winding circuits; polarity reversing contacts in one field winding circuit of each motor; a trip circuit for each motor connected to said power circuit and comprising a disconnect switch and means on said reels for operating said trip switches; a disconnect circuit connected across said power circuit and operatively associated with said disconnect contacts and one of said trip circuits to operate said disconnect contacts; a motor reversing control circuit connected across said power circuit and operatively associated with said polarity reversing contacts and with said trip circuit and said disconnect circuit for actuating said motor reversing contacts and effecting motor reversal; and a switching circuit connected to said sound heads operatively associated with said reversing circuit for effecting switching of sound heads.

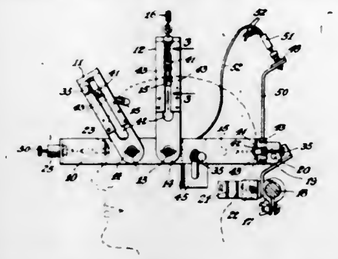
2,549,835
MOBILE GUN CARRIAGE
William F. McCann, Los Angeles, Calif., and Leo H. Johnson, Peoria, Ill.
Application May 6, 1946, Serial No. 667,554
3 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a gun carriage, an elongated vehicle frame generally rectangular in plan and having a rearwardly and laterally outwardly projecting extension at each rear corner thereof, first and second elongated trails, means connecting each trail at one end thereof to a respective extension of said frame for pivotal movement about a normally horizontal axis at less than 90° to the longitudinal axis of said frame, from a first position extended rearwardly and outwardly of said frame, to a second position in which each trail is folded on said frame in generally horizontal forwardly-extending position along a respective side thereof, a gun tube, means mounting said tube on said frame at the rear central portion thereof for pivotal movement in train and elevation, a support secured to the central portion of said frame in transverse relation thereto and including end portions adapted to support and lock said trails in said second position and a central portion adapted to support said tube in horizontal forwardly-directed traveling position, said central portion being pivotably about a horizontal transverse axis from an upstanding gun-supporting position to a downwardly folded position out of the path of traverse of said gun when at zero elevation.

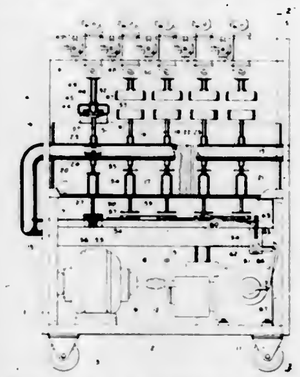
2,549,836
ELECTRODE-CARRYING HEADGEAR FOR ELECTROENCEPHALOGRAPHIC ANALYSIS
Archibald R. McIntyre and Arthur L. Dunn, Omaha, Nebr.
Application June 14, 1946, Serial No. 676,618
2 Claims. (Cl. 128—2)

1. An electrode for a headgear arrangement for use in electroencephalographic examinations and which in use is adjustable into and out of engagement with the head, said electrode comprising a rod adapted, when mounted in the headgear, to be adjusted in a direction longitudinally of its axis, a head contacting element formed to overlie a substantial area of the head when in engagement therewith a pivotal connection securing said element at the end of the rod and permitting angular adjustment between the element and the rod, and a spring reacting between the head contacting element and the rod to cause the



element normally to assume a given position with respect to the rod, said head contacting element being arranged to yield against the reaction of said spring and to adjust itself to encompass substantially the entire underlying head area as the electrode is adjusted to bring its head contacting element into engagement with the head.

2,549,837
APPARATUS FOR WASHING BEARINGS
William G. Merritt, Alameda, Calif.
Application August 11, 1945, Serial No. 610,371
6 Claims. (Cl. 134—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. An apparatus for cleansing a bearing assembly having annular races including, a vertically movable support for the bearing assembly, the support having means for directing fluid through said assembly, means for oscillating said support so as to oscillate one race of said assembly relative to the other race, the fluid directing means and oscillating means being operable in response to vertical movement of said support, and means for moving said support vertically.

2,549,838
TOOL FOR SPLICING WIRES
Frank R. Miller, Denver, Colo.
Application April 3, 1947, Serial No. 739,194
2 Claims. (Cl. 7—14.1)

1. In a wire splicing tool including a pair of crossed pivoted handle members having a pair of

jaws closable toward one another, a pair of opposed cooperable die members carried by the jaws, an anvil associated with one of said die members, means for moving the anvil toward the other die member when the jaws are brought into closed position, a clip-receiving and storing magazine located in one of said handles and communicating with the die member in which the movable anvil is located, means for moving successive clips into position on said anvil, means for moving said



anvil and positioned clip toward and into the opposite die member when the handles are grasped to move the jaws together, and means cooperable with said opposite die member for supporting a pair of crossed wires and for cutting off the free end portions thereof when the die members move together, the movement together of said die members also causing said clip to embrace and bind the wires together in electrical conducting relationship.

2,549,839

SHUTTLE STITCHER FOR FORMING A SINGLE THREAD LOCK STITCH

Charles L. Mollis, Los Angeles, Calif.

Application July 9, 1949, Serial No. 103,848
11 Claims. (Cl. 112—169)



1. An elongated shuttle stitcher having at its rear end a barrel portion graspable within the hand of the operator, and at its front end carrying a needle with a forwardly directed point portion with an eye through it, there being a thread conducting passage leading forwardly from the interior of said barrel portion to conduct the thread to the needle, a tubular spool-mounting spindle secured axially within the front part of said barrel portion to turnably support a thread-carrying spool, and a wire spring mounted upon said spindle in a position to brake said spool against over-rotation, a portion of said spring normally projecting from the bore of the spool and springing laterally into a position wherein it prevents the spool from sliding off from said spindle.

2,549,840

SEPARATION AND FRACTIONATION OF SUGARS

Edna M. Montgomery, Peoria Heights, and Francis B. Weakley, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 29, 1949, Serial No. 107,623
11 Claims. (Cl. 127—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process which comprises contacting an aqueous solution containing glucose and polysaccharides with activated carbon whereby the polysaccharide sugars are removed from the solution by relatively strong adsorption upon the carbon, subsequently displacing less strongly adsorbed glucose with water, recovering the thus purified glucose solution, displacing the adsorbed polysaccharides from the carbon by eluting with one of the group consisting of phenol, acetic acid and ephedrine in 0.2 to 10 percent aqueous solution, and recovering the displaced polysaccharide solution.

2,549,841

ADJUSTABLE QUICK RELEASE STRAP SPLICE

David Morrow and Charles E. Cummiskey, United States Navy

Application September 19, 1945, Serial No. 617,410
2 Claims. (Cl. 24—197)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A quick adjustable and release strap splice comprising a rectangular apertured first frame having spaced side bars and end cross bars, a rectangular double apertured second frame having spaced side bars and end cross bars and a raised mid bar parallel to said end bars and connecting intermediate points of said side bars, said second frame being arranged in superposed and somewhat offset relation to said first frame, and one end of a strap extending through from the bottom of the aperture in the first frame up through the aperture between the raised bar and adjacent end cross bar of said second frame, then over said adjacent end cross bar of said second frame, down through the first frame aperture and under the adjacent first frame end bar to be held in compression thereby between said adjacent first frame end bar and the strap, an end of another strap extending up through the first frame aperture and through the other aperture of the second frame and secured against itself.

2,549,842

METHOD FOR PRODUCING POLYHALOPHTHALOCYANINE PIGMENTS

Frank H. Moser, Huntington, W. Va., assignor to The Standard Ultramarine Company, Huntington, W. Va., a corporation of West Virginia

No Drawing. Application April 9, 1948, Serial No. 20,096
18 Claims. (Cl. 106—288)

18. A process for preparing copper hexadecachlorophthalocyanine by heating tetrachlorophthalic anhydride, urea, copper powder, an oxidizing agent and an ancillary agent selected from the group consisting of halides and oxyhalides of zirconium, titanium, tin, arsenic and antimony, in an inert solvent at 150–220° C. until pigment formation is complete.

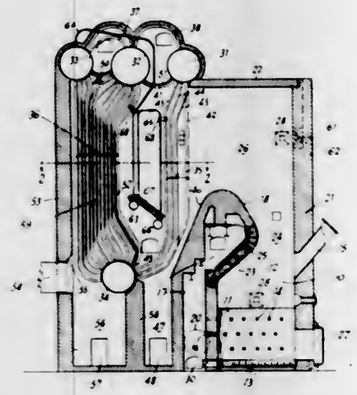
2,549,843

WATER TUBE BOILER WITH UPPER AND LOWER TRANSVERSE DRUMS

Edwin K. Mosier, Closter, and Frank X. Gilg, Chatham, N. J., assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application March 27, 1945, Serial No. 585,120
3 Claims. (Cl. 122—302)

1. A steam generating unit having a setting, means defining a furnace chamber occupying the front portion of said setting and including a vertically extending bridge wall separating said furnace chamber from the rear portion of said setting and spaced from the top of said setting to define a gas outlet therebetween, steam generating pressure parts in the rear portion of said setting including front, middle and rear upper drums, a lower drum, a front bank of vertically extending screen tubes connecting said front upper drum and lower drum and arranged adjacent the rear side of said bridge wall, a rear bank of vertically extending steam generating tubes connecting said lower drum to said middle and rear upper drums, said rear tube bank having the



tube upper and lower end portions in the tube rows in at least the forward portion thereof bent forwardly of and more widely spaced than the intermediate tube portions of said rows, a baffle extending upwardly from said lower drum along the forward side of said rear tube bank and terminating at an intermediate position between said lower and upper drums, said baffle and setting cooperating to define a heating gas entrance into and heating gas flow transversely of the upper portion of said rear tube bank and a downflow gas pass containing the lower portion of said rear tube bank, ash receiving chambers below said front and rear tube bank, and a heating gas outlet from said setting adjacent said lower drum.

2,549,844

DEHYDROGENATION CATALYST

Henry O. Mottern, Bloomfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 23, 1948, Serial No. 45,797
7 Claims. (Cl. 252—457)

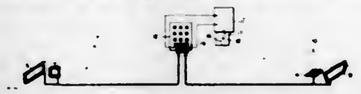
1. A dehydrogenation catalyst consisting essentially of a mixture of component A selected from the group consisting of zinc oxide, magnesium oxide and beryllium oxide, 1 to 15% of component B selected from the group consisting of zirconium oxide, cerium oxide, and thorium oxide based on the total weight of the mixture, and 6 to 10% of at least one component C selected from the group consisting of silicon oxide, iron oxide and aluminum oxide based on the weight of component B.

2,549,845

SHIP'S MAGNETIC SUBMARINE DETECTOR

James C. Mouzon, Philadelphia, Pa., Edward S. Lamar, Rockville, Md., and John Bardeen, Washington, D. C.

Application June 26, 1945, Serial No. 601,679
2 Claims. (Cl. 177—385)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A magnetic submarine detector system mounted within a moving vessel and comprising, in combination, a pair of opposedly connected non-rotating detecting coils carried by the vessel and mounted in the vicinity of the bow and stern of the vessel respectively and in planes substantially parallel with respect to one another and substantially normal to the longitudinal axis of the vessel for generating resultant electrical signals respectively in accordance with the movement of the vessel through the earth's magnetic field, the resultant signal of one of said coils comprising one desired component and two undesired components, a pair of non-rotating compensating coils electrically connected in series with and opposedly to said one of the detecting coils and respectively mounted in the vicinity of the detecting coils, said compensating coils being disposed in substantially mutual perpendicular relationship with the detecting coils and with one another for generating auxiliary electrical signals for balancing out said undesired components of the resultant signal of said one of said detecting coils, said undesired components arising in said one of said detecting coils by reason of slight variations from true mutual perpendicularity between the detecting and compensating coils, a plurality of variable resistors two of which are respectively directly and individually shunt connected to the compensating coils for adjusting the auxiliary signals thereof to equality and nulling relationship with the undesired components of said one of the detecting coils and one of which resistors is directly and individually shunt connected to said one of said detecting coils for adjusting the desired component thereof to equality with the resultant signal of the other detecting coil thereby to null the output of the detector during movement of the vessel in the earth's undisturbed magnetic field, each said resistor being shunt connected directly only to the coil individual thereto whereby an adjustment of one of said resistors affects substantially only the voltage output of the coil individual thereto and thereby minimizes the effect of the adjustments upon the desired phase relationship between the desired component of said one detecting coil and the resultant signal of the other of said detecting coils, and an indicating device in series connection with all of said coils and adapted to be operated by a signal generated in response to the presence of the magnetic field of a submarine.

2,549,846

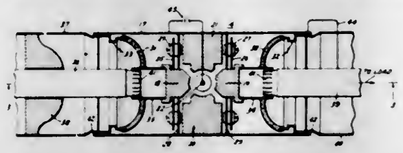
ELECTRON COUPLED MAGNETRON OSCILLATOR

Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 31, 1946, Serial No. 706,896
10 Claims. (Cl. 250—36)

8. A generator of high frequency oscillations

comprising in combination, an electron discharge device of the magnetron type including a substantially cylindrical metallic wall, a plurality of anodes within said wall having juxtaposed faces defining a space charge chamber adapted to accommodate a rotating space charge of the magnetron type, two of said anodes being insulated from said wall, two other of said anodes being conductively connected to said wall, a cathode within said chamber, a high Q resonant frequency determining circuit for said generator comprising substantially cylindrical inner and outer concentric metallic conductors connected to one end of said wall and adjustable tuning means therefor, a load circuit for deriving useful energy from



said generator comprising substantially cylindrical inner and outer concentric metallic conductors connected to the other end of said wall, said outer conductors constituting conductive extensions of said wall and said inner conductors being connected each to one of said two anodes whereby oscillations in said circuits may be sustained by interaction between said space charge and said anodes, each of said first mentioned two anodes defining a portion of said chamber intermediate between the portions defined by said other anodes whereby mutual coupling between said circuits through said first mentioned two anodes is minimized, and means for energizing said generator.

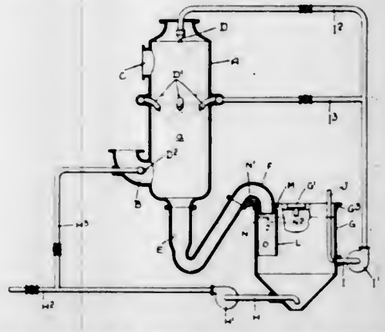
2,549,847
METHOD OF AND MEANS FOR PRODUCING DECORATED MATERIAL
Edgar C. V. Oldofredi, New York, N. Y.
Application December 4, 1944, Serial No. 566,430
6 Claims. (Cl. 101—32)



1. A method of forming a printing wire mesh die comprising the steps of first embossing a design thereinto and thereafter subjecting the embossed area to a flattening operation, for providing a die having a design area differing in its structure from the surrounding area.

2,549,848
SPRAY SATURATOR CRYSTALLIZER
Carl Otto, Manhasset, N. Y.
Application November 9, 1949, Serial No. 126,339
4 Claims. (Cl. 23—273)

1. In spray saturator apparatus comprising a scrubbing chamber having an inlet for the inflow of gas having a small ammonia content, a gas outlet, and a bottom outlet for liquor, means for spraying liquor containing ammonium sulphate and sulphuric acid into said chamber, a liquor discharge pipe connected to said liquor outlet end comprising a depending portion extending downward from said liquor outlet and an uprising portion connected at its lower end to the lower end of said depending portion and uniting with the latter to form a liquor seal, a liquor holding tank open at its upper end and receiving liquor discharged by said pipe having an over flow outlet establishing a normal liquor over flow level in the tank; the improvement comprising an open ended vertical spout mounted in said tank and extending between upper and lower levels respectively above and below said over flow level and having its upper end open



to the atmosphere, and in which said discharge pipe comprises a depending discharge end portion extending downward into the upper end of said spout and smaller in diameter than the latter and terminating at a level higher than said over flow level.

2,549,849
CORK SUBSTITUTE AND PROCESS FOR MAKING SAME
Robert S. Owens, Charlottesville, Va.
No Drawing. Application September 8, 1948, Serial No. 48,313
11 Claims. (Cl. 106—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of producing a cork substitute which comprises reducing outer bark of paper birch trees while preserving the cellular structure of the bark, incorporating a binder in the reduced bark while maintaining the bark in excess over the binder, and baking the resulting mixture of bark and binder at a temperature below destructive distillation of the binder until the mixture attains a physical structure similar to cork compositions.

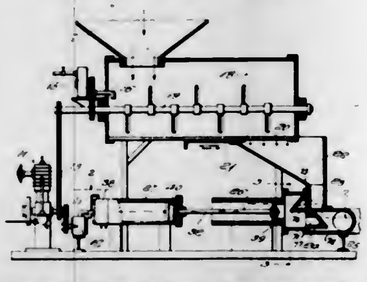
2,549,850
FIREPLACE SCREEN HANGER
Peter F. Pedersen, Allen Park, Mich.
Application February 7, 1947, Serial No. 727,081
2 Claims. (Cl. 248—145)



1. A fireplace screen mounting of the class described, comprising an elongated post; a sleeve

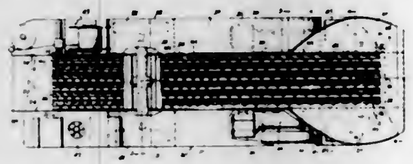
rotatably embracing said post, said post projecting beyond opposite ends of said sleeve, the opposite ends of said post being threaded; an adjusting nut threaded on one end of said post and provided with a socket for embracing one end of said sleeve; a cap threaded on the lower end of said post and adapted for engaging a stationary body the upper end of said cap having a socket for receiving the lower end of said sleeve; a cap embracing the opposite end of said post in slidable relation thereto, and adapted for engaging a stationary body spaced from said first named stationary body, the threading of said adjusting nut effecting a clamping of said caps against said stationary bodies for retaining said post in fixed relation to said stationary bodies.

2,549,851
HYDRAULIC PUMPING APPARATUS
Louis C. Pope, Vicksburg, Miss.
Application June 24, 1946, Serial No. 678,740
6 Claims. (Cl. 103—170)



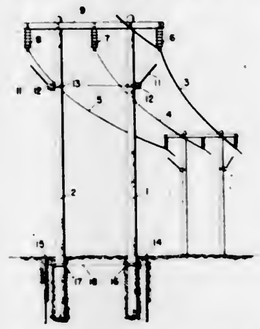
1. A distribution system for aggregate comprising a distributing conduit, a delivery manifold connected with said conduit, a pair of reciprocative aggregate pumps, coupling members connecting said pumps with said delivery manifold, flange plates disposed between said coupling members and said delivery manifold, pairs of guide tubes carried by said flange plates and projecting in opposite directions, one guide tube extending into the associated coupling member and the other guide tube extending into the aligned delivery manifold, means for driving said aggregate pumps for alternate force feed operation, and means for directing aggregate to said pumps through the guide tubes leading thereto for force feed through the guide tubes leading to said distributing conduit.

2,549,852
COAL MINE HAULING VEHICLE
Charles A. Pratt, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 29, 1949, Serial No. 73,460
7 Claims. (Cl. 214—83.32)



1. In a vehicle for transporting loose material; a main frame having a longitudinally extending material carrying compartment defined by a pair of laterally spaced vertical walls open at one end thereof for discharge of material; a conveyor bed in the bottom of said compartment for receiving and unloading said material, including a plurality of individual trough formations having open discharge ends disposed in a horizontal, parallel and closely adjacent relation with each other, and extending longitudinally of said compartment; a helical screw for each trough formation and extending substantially thereabove, said screws being alternately right and left hand; and means for simultaneously rotating said screws in alternately opposite directions whereby lumps of said loose material may be conveyed atop said screws by the cooperative rotation of adjacent screws and whereby further fines may be conveyed by the lower portions of said screws within their respective troughs and whereby further material is caused to move more rapidly at the loading end to cause it to pile up at the discharge end during loading.

2,549,853
LIGHTNING PROTECTION FOR TRANSMISSION LINES
Harold L. Rorden, Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior
Original application March 19, 1945, Serial No. 583,483. Divided and this application April 7, 1950, Serial No. 155,770
8 Claims. (Cl. 175—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

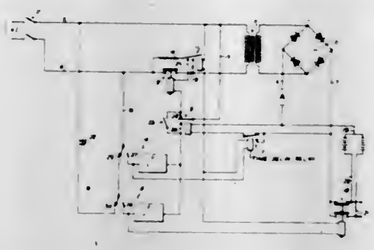


1. In combination with a conductor, an insulator and a wooden supporting structure in an electric power transmission line, an ungrounded bracket-like member attached to said structure, said member extending toward said conductor to provide an airgap between said conductor and said member for carrying lightning to an insulated path on the surface of said wooden structure to ground away from said insulator.

2,549,854
BATTERY CHARGER
Alfred M. Salazar, Babylon, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1949, Serial No. 105,759
6 Claims. (Cl. 320—15)

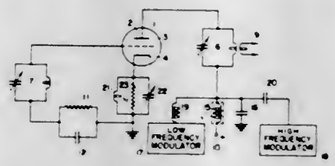
2. A battery charger comprising rectifying means adapted for connection to a source of alternating current, a direct current output circuit from said rectifying means, means to sequentially connect each of two sets of battery cells to said output circuit, means responsive to a predeter-

mined potential of a connected set of battery cells to lower the initial rate of charge of the battery charger, means to automatically actuate said



sequential connecting means after a predetermined duration of the lower rate of charge thereby initiating the charging cycle for said second set of battery cells.

2,549,855
MODULATION
Bernard Salzberg, Washington, D. C.
Application November 14, 1945, Serial No. 628,640
13 Claims. (Cl. 332—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

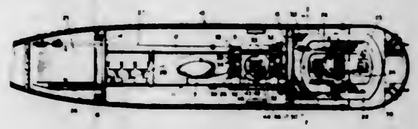


1. A modulation circuit comprising a vacuum tube having a control grid, an anode, and a cathode, means for applying a carrier frequency voltage between the control grid and cathode, modulating means for applying a high frequency voltage to the anode, and impedance means parallel resonant at the high modulation frequency connected in common between the cathode and grid and cathode and anode operative to establish a cathode voltage variation at the high modulation frequency.

2,549,856
MUSTARD GAS-RESISTANT PAINT
Harry Scherr, Baltimore, and Glenn A. Little, Bel Air, Md., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application June 8, 1944, Serial No. 539,370
1 Claim. (Cl. 260—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A mustard gas-resistant paint comprising in admixture approximately nitrocellulose 8.2%, a urea formaldehyde resin 4.7%, tricresyl phosphate 1.6%, castor oil 1.6%, titanium dioxide containing 8% titanium phthalate 2.5%, lampblack 0.1%, aluminum powder 4.7% and 76.6% of a solvent comprising ethyl acetate 16.2%, toluene 16.2%, ethylene glycol monoethyl ether 9.3%, ethylene glycol monobutylether 18.4%, ethyl lactate 6.1%, butyl alcohol 15.4%, and turpentine 18.4%.

2,549,857
CABLE-SUSPENDED AERODYNAMIC BODY
Erick O. Schonstedt, Minneapolis, Minn.
Application June 27, 1946, Serial No. 679,636
11 Claims. (Cl. 177—385)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aerodynamic body of the character disclosed having stability in flight when towed from an aircraft, the combination of a substantially cylindrical housing, a framework rotatably mounted within the housing and for rotation about the longitudinal axis thereof, means for locking said framework in either one of two positions in predetermined spaced angular relation with respect to each other, and means for suspending said body from the aircraft and pivotally secured to the framework at a predetermined point therein effective to render the body stable in flight when the framework is moved into either one of said two positions.

2,549,858
ANNULAR COMBUSTION CHAMBER HAVING TELESCOPING WALLS WITH CORRUGATED ENDS FOR SPACING
Robert A. Sforzini, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1946, Serial No. 687,127
4 Claims. (Cl. 60—44)

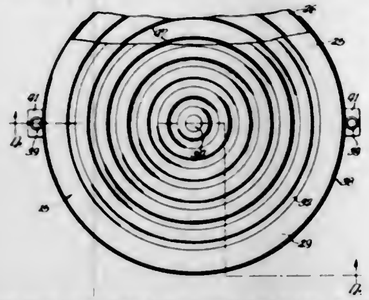


4. In combustion apparatus, a burner wall comprising a plurality of cylindrical sections each of a different diameter and having one end only corrugated circumferentially, said sections being arranged with the corrugated portion only of each section disposed in telescoped relation with respect to the cylindrical end of the section of nearest diameter, whereby openings are provided for passage of air from one side of said wall to the other side thereof.

2,549,859
FLOAT
Eugene Thomas Sliwinski, Chicago, Ill., assignor to Telematic Corporation, Chicago, Ill., a corporation of Delaware
Application June 6, 1946, Serial No. 674,914
5 Claims. (Cl. 137—104)

1. A reinforced float construction comprising a pair of substantially cup-shaped members, said members each including a main wall and annular flanges extending therefrom, means for securing said annular flanges together to form a closed

float chamber, annular corrugations on said main walls extending toward each other, and annular



reinforcing members disposed between said main walls and engaging the sides of the corrugations.

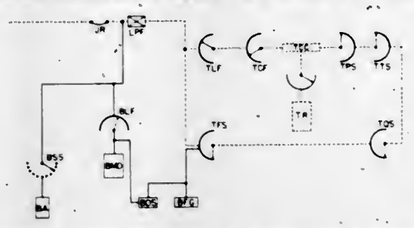
2,549,860
METHOD OF AND MEANS FOR INDICATING A CHOSEN AREA
Mark Swanson, Washington, D. C.
Application September 10, 1936, Serial No. 100,177
12 Claims. (Cl. 343—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system as described, comprising means for projecting two laterally overlapping beams of invisible radiant energy that includes infra-red light, said beams having their upper and lower limits substantially in common respective transverse planes and a lateral limit of each beam substantially defining a corresponding lateral boundary of a selected area, other means for projecting a like beam lying between said lateral boundaries but so directed out of the said common zone of the other beams that the overlapping of the beam from the last mentioned means upon the other said beams terminates substantially at the terminus of said area, and means to detect said infra-red component including a screen coated with substantially instantaneously responsive luminescent material, a source of ultraviolet light to irradiate said screen to excite luminescence thereon, and means to project on said screen the images of all of said projecting means within the field of said detecting means, said images being rendered visible on said screen by the effect of the infra-red light upon said luminescence.

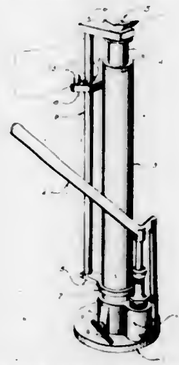
2,549,861
TELEPROGRAMME ON AUTOMATIC TELEPHONE CIRCUITS
Clement Marie Theillaumas, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1947, Serial No. 763,108
In France February 7, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 7, 1959
8 Claims. (Cl. 179—2.5)

1. A combined automatic telephone and broadcast system comprising a subscriber's station, a program selecting and transmitting system including a plurality of program sources, means for connecting said system to the station, and means selectively responsive to different frequencies for actuating the program system to select a program, including a series of circuits each tuned to a different frequency, means for applying to said circuits in succession a signal wave of predetermined



frequency received from a subscriber's station, means for engaging said program sources in succession, and means operative when one of said circuits resonates in response to the latter frequency for arresting the program source engaging means.

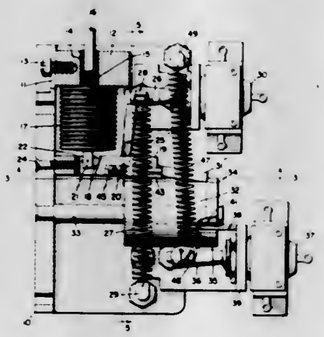
2,549,862
BUMPER JACK
Herbert A. Thorndike, Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc.
Application March 28, 1946, Serial No. 657,730
1 Claim. (Cl. 254—93)



In a jack of the character described: inner and outer telescoping jack elements one of which is extensible upon operation of the jack, said elements being relatively rotatable; a radial arm fixed to and extending from the outer end of said extensible element; a rod secured at one of its ends and extending lengthwise alongside the jack elements; means at the other end of said rod retaining it in parallel relationship with the jack elements while enabling endwise movement thereof upon extension of said extensible element, said means comprising a ring completely encircling the other of said jack elements and freely rotatable and slidable thereon to enable said arm and rod to be swung to any of a number of positions around the periphery of the jack elements; a bumper carrying block having a hole vertically therethrough near one end thereof to loosely receive said rod, said hole being of such diameter as to permit the bumper carrying block to be slid freely along the rod for vertical adjustment but to cause the edges of said hole to bite into the rod when a load is applied to the free end of

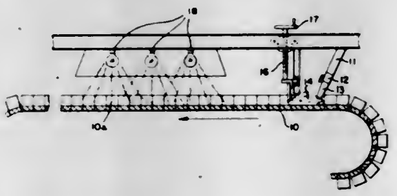
the bumper carrying block in a direction substantially parallel to the rod; and means on said bumper carrying block to engage with a bumper and prevent it from slipping off the block.

2,549,863
HYDRO-INERTIA SWITCH
Theodore W. Thornton, Salt Lake City, Utah
Application April 12, 1946, Serial No. 661,633
10 Claims. (Cl. 200—81.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



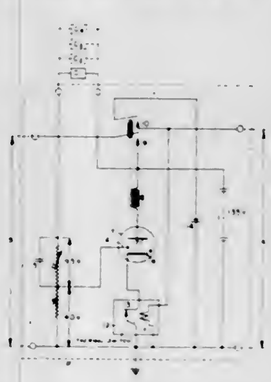
1. A circuit controlling mechanism of the character disclosed comprising, in combination, circuit controlling means including a spring biased lever adapted to move from an initial position to a moved position and to operate the circuit controlling means as the lever moves into said moved position thereof, movable means adapted to releasably maintain the lever in said initial position thereof until a predetermined setback force has been applied to said movable means, and pressure controlled means adapted to prevent movement of said movable means until a predetermined value of pressure is applied to the pressure controlled means.

2,549,864
CONTINUOUS PROCESS FOR MAKING SPONGE RUBBER
Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application June 12, 1948, Serial No. 32,574
5 Claims. (Cl. 260—723)



1. In a continuous process for making sponge rubber, the steps of impregnating a mixture of a rubber latex and substantially 2.25% of sodium silicate with nitrous oxide gas, allowing said gas to expand whereby said latex is converted into a foam stable in the air and under curing conditions, curing said foam into a sponge material, and continuously replacing said cured sponge by a new supply of latex foam.

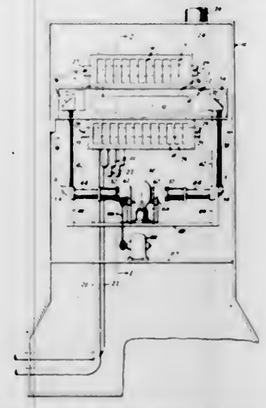
2,549,865
TIME-DELAY RELAY SYSTEM
Horace M. Trent, Alexandria, Va.
Application January 8, 1944, Serial No. 517,529
4 Claims. (Cl. 175—320)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, an impulse actuated switch, a source of potential, a low pass filter circuit having input and output terminals, the input terminals of said filter circuit being connected to said source of potential and switch in series thereby to receive an electrical impulse from said source of potential upon each closure of said switch, said filter circuit acting to pass freely impulses of low recurrence rate and to attenuate impulses of high recurrence rate, a control circuit coupled to the output terminals of said filter circuit and adapted to be energized by the impulses freely passed by said filter circuit, a relay connected to and actuated by said control circuit in response to the energization of said control circuit, and a load circuit including a time delay switch circuit connected to said relay to be rendered operative upon actuation of said relay, said time delay switch further being connected to said control circuit to disable same and thereby deactuate said relay after the elapse of a predetermined interval of time following the energization of said control circuit.

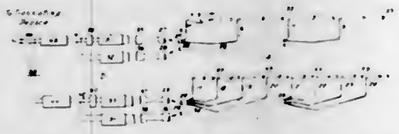
2,549,866
APPARATUS FOR VISUAL DETECTION OF ILLUMINATED SUSPENDED MATTER IN FLUIDS
Arthur William Uhl, Inwood, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 23, 1944, Serial No. 569,535
6 Claims. (Cl. 88—14)

1. Apparatus for detecting suspended matter in a fluid comprising a cabinet, a chamber in said cabinet, means for directing fluid to said chamber, a window for said chamber, a single source of light for said chamber, tubes at each side of said light source and extending to opposite ends of said chamber, reflecting means in said tubes for reflecting beams of light into said chamber in opposed directions whereby to illuminate suspended matter in said chamber and render the same visible through said window, and means in



the path of said light for intermittently interrupting said light beams.

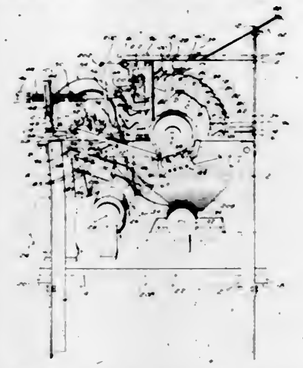
2,549,867
ANTENNA SYSTEM
Hendrik C. A. van Duuren, Wassenaar, Netherlands
Application December 21, 1940, Serial No. 371,176
In the Netherlands December 21, 1939
17 Claims. (Cl. 250—33.55)



3. In a directional antenna system, the combination of a series of relatively large rhombic antennae in end-to-end array, a series of relatively smaller rhombic antennae in end-to-end array, one of said series being in superposed relation to the other, and translating means having common connection with both series of antennae.

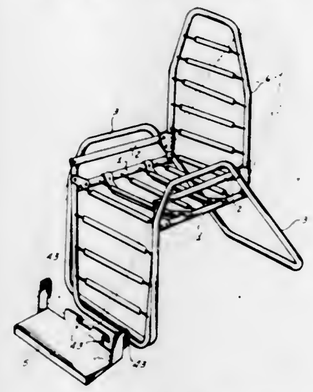
2,549,868
BRAZING MACHINE
John R. Vickery, York, Pa., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa., a corporation of New Jersey
Application July 27, 1944, Serial No. 546,835
6 Claims. (Cl. 113—59)

1. A brazing machine which comprises a rotary carrier, a series of circumferentially spaced clamps pivotally mounted thereon, each having a bellcrank arm extending therefrom, springs urging the clamps against the carrier, reciprocating cams adapted to engage said bellcrank arms of clamps in receiving and discharging positions respectively, a raceway adjacent said receiving position for feeding a supply of articles to be brazed toward said carrier, a detent for holding said supply in the raceway and having a part adapted to be engaged by said clamp when opened in said receiving position, whereby to release said supply to allow an article to enter the clamp, funnel guides adjacent the path of said articles in the clamps beyond said receiving position, whereby to straighten the articles in said clamps, a heater adjacent the path of said articles for heating a portion thereof above brazing temperature, reciprocating pawl means for feeding a brazing strip, a guide adjacent said heating position for guiding the brazing strip into the path of that part of the article which is to be



brazed, a feeler arm in the path of said articles when approaching the heating position, a movable guide for said pawl normally holding it out of strip-feeding engagement, said guide being connected to said feeler so as to be moved out of said supporting position when said feeler is moved by an article.

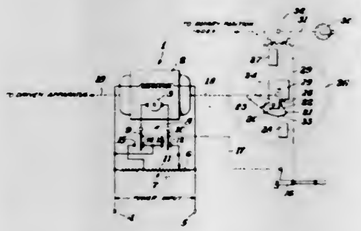
2,549,869
ADJUSTABLE CHAIR
Jane E. Voelker and Edward M. Voelker, New Salem, Mass., and John W. Sabbagh, Jackson Heights, N. Y., assignors to Inventors Enterprises, Inc., New York, N. Y., a corporation of New York
Application May 24, 1950, Serial No. 163,904
1 Claim. (Cl. 155—106)



A chair comprising: a firm supporting base having upstanding side members laterally spaced apart, a back rest positioned between said side members and pivoted in spaced relation to its lower end to said side members, a leg rest positioned between said side members and pivoted in spaced relation to its upper end to said side members, seat bars pivoted at their rear ends to the lower end of the back rest below the pivotal connections between the back rest and the side members and provided at their forward ends with

upwardly and forwardly extending projecting portions pivotally connected to the leg rest below the point of pivoting between the leg rest and said side members, and tie bars the forward ends of which are pivoted to the upper ends of the leg rest and the rear ends of which are pivoted above the pivotal connection between the back rest and the side members on brackets rigid with the back rest.

2,549,870
STOPPING MECHANISM
Fred C. Wallace, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1946, Serial No. 653,262
4 Claims. (Cl. 192—2)



1. For use with a rotatable device which it is desired to stop at any given rotary position; a stopping system comprising shaft means for driving the device, detent means including a first member mounted on said shaft and a detent pivotally secured to said first member, stop means mounted for movement into and out of the path of said detent, means for adjusting said stop means to any predetermined rotary position, means for holding said stop means and said detent out of engagement with each other during normal operative rotation of said shaft, means normally urging to effect an engagement between said detent and said stop means, and means for controlling the rotation of said shaft, said stop means including stopping blocks radially movable with respect to said shaft, and said control means including an electric motor having speed and direction control switch means, and means for effecting simultaneous operative movement of said blocks and of said switch means.

2,549,871
ELECTRICAL APPARATUS
Raymond Edgar White, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1945, Serial No. 592,638
11 Claims. (Cl. 200—19)

4. In apparatus of the class described, a container of conductive material having a pair of spaced openings therein, a pair of conducting brushes, such as carbon brushes, and means for mounting said brushes in said openings and for urging the same outwardly in opposite directions, comprising a pair of flanged sleeves of conductive material slidably supporting said brushes and adapted to be inserted in said openings, means for securing said sleeves to said container, and a coil spring of conductive material disposed in each of said openings and surrounding each of said sleeves, said spring having the coil at one end thereof fixed to said container and the coil at the opposite end thereof extending laterally across the adjacent end



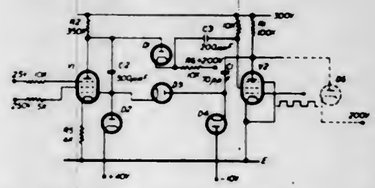
of the respective sleeve and into axial alignment with the axis of the respective brush.

2,549,872
FOCUSING ULTRASONIC RADIATOR
Gerald W. Willard, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 17,272
10 Claims. (Cl. 171—327)



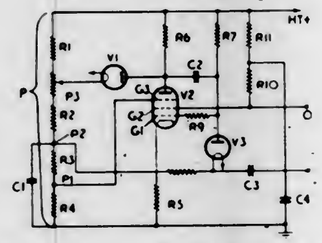
10. A focusing sound radiator having a cylindrical radiating surface and comprising a plurality of electric cut piezoelectric plates.

2,549,873
THERMIONIC VALVE CIRCUITS
Frederic Calland Williams, Timperley, England
Application July 21, 1947, Serial No. 762,374
In Great Britain September 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1964
16 Claims. (Cl. 250—27)



1. An electronic circuit comprising a thermionic valve having at least a cathode, an anode adapted to collect electrons from said cathode, and located between said cathode and anode in the following order a control grid and a further grid; a condenser connected between said control grid and said anode; a feedback resistance in the cathode circuit of said valve; a connection from said further grid to a potential sufficient to normally prevent electron flow from said cathode reaching the anode; a source of voltage pulses; and a unilaterally conducting device connecting said source of pulses to said condenser to thereby vary the charge on the latter.

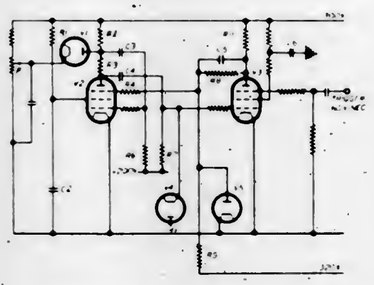
2,549,874
ELECTRONIC RELAY CIRCUIT ARRANGEMENT
Frederic Calland Williams, Timperley, England
Application July 21, 1947, Serial No. 762,375
In Great Britain June 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 25, 1963
17 Claims. (Cl. 250—27)



1. An electronic relay system comprising in combination, an electron discharge device having a cathode and also having the following elements removed from the cathode in the order named, a control grid, a screen grid, a further grid, and an anode; a source of direct current power having positive and negative terminals; a resistance connected between said cathode and said negative terminal; means connecting the screen grid to said positive terminal; means for diverting the cathode current from the anode to the screen grid during the quiescent condition of the system comprising bias means of less potential than is developed in said resistance during the quiescent condition; said bias means having its positive side connected to said further grid and its negative side connected to said negative terminal; a resistor connecting said anode to said positive terminal; a timing circuit including a condenser connected between said anode and said control grid, and a resistor between the control grid and said positive terminal; and means including an input circuit connected to one of said elements and responsive to an input impulse to effect current flow from the cathode to the anode.

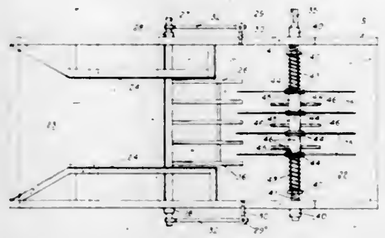
2,549,875
THERMIONIC VALVE CIRCUITS
Frederic Calland Williams, Timperley, and Norman F. Moody, Cuffley, England
Application August 6, 1947, Serial No. 766,651
In Great Britain August 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 22, 1964
12 Claims. (Cl. 250—27)

1. Thermionic valve circuit comprising a first valve having an anode, a cathode and at least one controlling electrode between said anode and said cathode, a source of anode voltage for said first valve, a load impedance connected between said anode of said first valve and the positive terminal of said source of anode voltage, a connecting circuit between the negative terminal of said source of anode voltage and the cathode of said first valve, a coupling including a series capacitance between a point on said load impedance and a controlling electrode of said first valve for producing a substantially linear fall of voltage with time on the anode of said first valve when anode current flow is released through said first valve, a second valve having an anode, a cathode and at least one controlling electrode between said anode and said cathode, a source of anode voltage for said second valve, a load impedance connected in series with said source of anode voltage for said second valve between the anode and cathode of said second valve, a coupling between said second valve and said first



valve for inhibiting anode current flow through said first valve during conductivity of said second valve, impulse means connected to said thermionic valve circuit for periodically initiating stoppage of anode current flow through said second valve whereby to release anode current flow through said first valve and a further coupling between said first valve and said second valve for inhibiting conductivity of said second valve during a predetermined excursion of the anode voltage of said first valve.

2,549,876
ROTARY CHOPPER-TYPE HAY BREAKER
John W. Williamson, Los Angeles, Calif.
Application November 13, 1945, Serial No. 628,017
2 Claims. (Cl. 146—117)

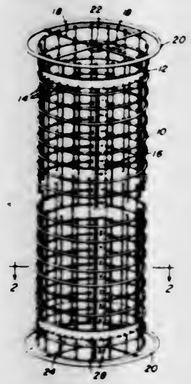


1. In apparatus for subdividing compressed forage, a shaft; a plurality of saws comprising circular saw discs mounted in spaced positions on said shaft and a plurality of teeth attached to the periphery of each disc; a plurality of sleeves surrounding said shaft and extending laterally between said discs; a plurality of studs extending radially from each said sleeve and having a length less than the radius of said discs; a friction disc on opposite sides of each saw disc between said sleeves and said saw discs; said saws, sleeves, and friction discs being loosely mounted on said shaft; adjustable compression means including an axially yielding member bearing against the end friction discs; means for rotating said shaft; and means for feeding compressed forage to said saws.

2,549,877
PROCESS OF PRODUCING MAPLE SIRUP CONCENTRATE
Charles O. Willits, North Hills, and William L. Porter, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 28, 1950, Serial No. 146,912
5 Claims. (Cl. 99—142)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of subjecting maple products to a heat treatment at atmospheric pressure which comprises evaporating maple sirup to form a residual concentrated sirup boiling about 25° to 50° F., above the boiling point of water and thereafter heating the concentrated sirup at boiling temperature, in the range 25° to 50° F. above the normal boiling point of water, for a length of time sufficient to enhance the flavor thereof, while continuously adding water at a rate such as to maintain substantially constant the boiling temperature of the concentrated sirup.

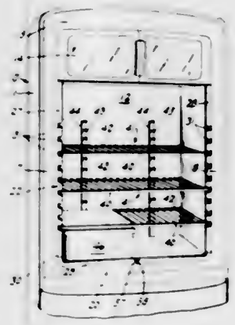
2,549,878
CURTAIN STRETCHER AND DRIER
Joseph J. Zeleznik, Pontiac, Mich.
Application February 19, 1948, Serial No. 9,393
2 Claims. (Cl. 45—24)



1. A curtain stretcher and dryer comprising a hollow cylindrical body of foraminous material, a band encircling the cylindrical body adjacent one end, radial spikes extending outwardly from said band, a strap adapted to be detachably attached to the cylindrical body in encircling relation therewith, spikes carried by the strap and adapted to extend radially outward when the strap is in body encircling position to cooperate with the spikes on the band in holding a curtain about the cylindrical body, and annular guards at the ends of the cylindrical body, said guards forming supports for holding the body and spikes spaced from a floor when the device lies horizontally.

2,549,879
REFRIGERATOR CABINET CONSTRUCTION
Leo J. Amore, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 4, 1946, Serial No. 694,778
5 Claims. (Cl. 312—214)

4. In a refrigerator cabinet, an open front outer shell, an open front inner liner having wall portions defining a storage compartment with a forwardly presented access opening, said liner being positioned in said shell in spaced relation therewith so that the forward marginal edge portions of said shell and liner lie in spaced relation at the forward portion of the cabinet, and strip-like framing means including a plurality of vertically spaced indentations comprised of pockets formed from material of said framing means and extending inwardly toward the space between said outer shell and inner liner, said strip-like

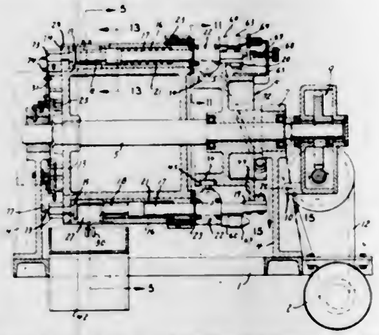


framing means bridging the gap between the forward marginal edge portions of said shell and liner and having a portion contoured rearwardly toward the compartment and forming the throat of said cabinet opening, said pockets being disposed adjacent the said throat of said cabinet opening and constituting shelf-supporting recesses facing across the said cabinet opening and also being open for access in a direction substantially normal to the plane of the cabinet opening.

2,549,880
METHODS FOR TREATING MICA AND COMPOSITION
Jacques Jules Bardet, Paris, France, assignor, by mesne assignments, to Prosilis, Paris, France, a corporation of France
No Drawing. Application July 16, 1945, Serial No. 605,451. In France October 20, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 20, 1963
7 Claims. (Cl. 154—2.6)

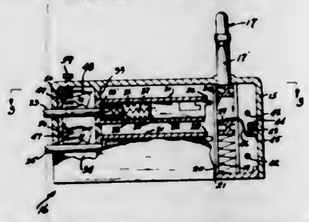
1. A method for the conversion of mica, initially in the form of blocks, sheets or the like, into a pulp suitable for conversion into sheet form by conventional paper making methods and for conversion into molded form by the action of heat and pressure, which comprises heating the mica to about 800° C., immersing the hot mica into a first solution, draining off excess solution, and then immersing the mica into a second solution which reacts with the first solution with evolution of gas, and maintaining such immersion until cleavage of the mica into flake form is accomplished, and then disintegrating the resultant flakes by simple agitation thereof in the said second solution until a mica pulp is formed, one of the said solutions being a concentrated solution of a soluble carbonate and the other a solution of a strong acid.

2,549,881
ROTARY NUT-CRACKING MACHINE HAVING RECIPROCATORY JAWS
Louis B. Berg, Chicago, Ill., and John E. Martin, San Antonio, Tex., assignors, by mesne assignments, to Robert Wilson Carter, Luling, Tex.
Application December 1, 1947, Serial No. 789,004
8 Claims. (Cl. 146—12)



1. A nut cracking machine comprising a supporting structure, a main shaft rotatably supported by said supporting structure, a drum fixedly mounted on said main shaft for rotation therewith, a plurality of nut cracking units supported by said drum and spaced circumferentially with respect thereto, said nut cracking units including each a pair of cracking dies one of which is adapted for reciprocatory movement with respect to the other, means for moving the reciprocatory die of each nut cracking unit toward its related die so as to position said reciprocatory die for a nut cracking operation, means common to all of said nut cracking units for sequentially subjecting the reciprocatory dies of the respective nut cracking units to nut-cracking movement, and a locking unit associated with each nut crackling unit and rotatably movable with said drum for locking the reciprocatory die of each of the nut cracking units in position to receive said nut-cracking movement, said means for subjecting the reciprocatory dies of the nut cracking units to nut-cracking movement comprising a stationary drum having a circumferential cam groove formed therein, and said locking units being provided with rollers which move through sad circumferential cam groove of said stationary drum.

2,549,882
MULTICOMBINATION LOCK DEVICE
Martin Berger, Brooklyn, N. Y.
Application March 10, 1950, Serial No. 148,985
12 Claims. (Cl. 70—288)



1. In a lock device of the character described, a casing, a bolt reciprocatively mounted within the casing and a plurality of mechanisms, each comprising a tumbler reciprocatively mounted within the casing; the tumbler having a piece extending laterally therefrom, a first element extending from said piece towards the bolt and a second element extending from said piece away from the bolt; the tumbler at normal rest position being stationed whereby both said elements are to one side of the bolt; said tumbler being movable from normal rest position whereby both said elements are to other side of the bolt, a manually movable member extending in part outwardly from the casing a predetermined distance when in normal rest position; a spring interposed between the manually movable member and the tumbler, whereby upon movement of the said member from normal rest position to move said spring, the latter will move the tumbler from normal rest position, spring means to independently restore the manually movable member and the tumbler to their respective normal rest positions after all hold is released from said member and tumbler respectively after such member and tumbler are moved; the force required to stress the spring means acting to restore the manually movable member when said member is moved from normal rest position, being comparatively greater than the force exerted by the spring acted upon by the manually movable member to move the tumbler from normal rest position; the said first element on the tumbler, being adapted upon movement of the tumbler away from normal rest position, to engage the bolt when in locking position and to release itself from the bolt upon return of the tumbler towards normal rest position; the second element on the tumbler, being adapted upon movement of the tumbler from normal rest position so that both elements thereon lie to the other side of the bolt, to engage the bolt after said bolt is moved to the aforementioned locking position and the tumbler has moved in direction of return to its normal rest position; such engagement of the bolt by the second element, being maintained while the manually movable member is returned to and remains in its normal rest position; dimensions of the said elements and the bolt, and the extent of movement of the tumbler, being such that when the second element of any of the mechanisms engages the bolt and simultaneously the manually movable member of such mechanism and of any other mechanism are moved from normal rest position, the first element of the latter mechanism will engage the bolt before the second element of the first mechanism becomes disengaged from the bolt, and then upon simultaneous movement of said two manually movable members towards normal rest position, the second element of the first mechanism will re-engage the bolt before the first element of the second mechanism becomes released from the bolt, whereby when the bolt in engaged by any of said second elements, the bolt is releasable therefrom and free for movement, only when only all of the manually movable members associated with said engaged second elements are simultaneously held when moved away from normal rest position to move said second elements out of engagement with the bolt, and no other.

2,549,883
GARMENT BUTTON
Ernest W. Biegajski, Buffalo, N. Y.; Margaret B. Biegajski administratrix of said Ernest W. Biegajski, deceased
Application October 15, 1945, Serial No. 622,312
10 Claims. (Cl. 24—103)

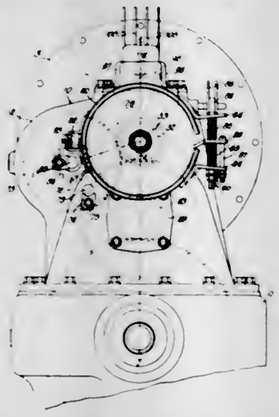
1. A garment button comprising a body having a boss projecting from one face thereof, said boss

having a central groove therein into which fabric may be disposed for attachment to the button and also being recessed in the exposed face of said boss at one side of and spaced from said groove, said boss having a pair of generally parallel passages arranged side by side, each extending from said recess to and beyond said groove into the boss at the opposite side of the groove from said recess, in a direction crosswise of that central axis of the button which extends from face to face of the button, and a U-shaped fastening member having its arms spaced apart by a distance equal to the spacing between said



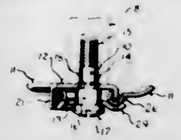
passages and insertable into and along said passages from said recess across said groove and piercing any fabric in said groove, the cross part of said U of the fastening member normally engaging against the inside surface of the outer peripheral wall of said recess when the member is fully inserted so as to extend across said groove, said outer peripheral wall of the recess having notches therein aligned with said passages so that after the cross part of the U of the member is sprung over the portion of the wall of the recess between said notches, by flexing of the arms within the recess, said member may be removed so as to release the fabric from said groove.

2,549,884
AXLE DRIVE CONSTRUCTION
John Borland, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 19, 1947, Serial No. 735,661
1 Claim. (Cl. 74—701)



In a self-propelled vehicle including a transverse axle housing having an enlarged differential receiving portion, a unitary housing adapted to be mounted on the axle housing, first, second, third, and fourth parallel shafts journaled in said unitary housing parallel to the axis of the axle housing, said first and second shafts and said axis of the axle housing lying in the same vertical plane, said third shaft being disposed laterally of said first and second shafts intermediate of horizontal planes passing through said first and second shafts, said fourth shaft being disposed intermediate vertical planes passing through said first and second shafts and said third shaft, said fourth shaft further being disposed intermediate horizontal planes passing through said second shaft and said third shaft, a differential mechanism disposed in the enlarged differential receiving portion of said axle housing, said differential mechanism being supported entirely by said unitary housing, and change speed gearing between said plurality of shafts and said differential mechanism.

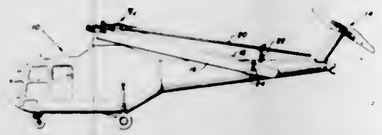
2,549,885
AGITATOR FOR DRINK MIXERS
Ellis M. Brown and Fritz Victor Forss, Racine, Wis., assignors to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 19, 1949, Serial No. 116,581
5 Claims. (Cl. 259—135)



1. In an agitator for the drive shaft of a drink mixer: a pair of superimposed plate members; a plurality of arms on one of the plate members extending to one side thereof toward the other plate member, each of the arms having spaced lugs adjacent to its opposite side edges abutting the adjacent side of the other plate member to hold the plate members spaced apart, and a fulcrum-like edge portion extending between said lugs parallel to said first designated plate member and facing said side of the other plate member but spaced therefrom; a plurality of blades, one for each arm; and a pivotal connection between each blade and its arm constraining the blade to swinging motion from an extended position substantially parallel with said first plate member to a retracted position substantially perpendicular to said first plate member about an axis parallel to said first designated plate member, comprising a U-shaped hinge part on the blade having substantially parallel spaced apart legs disposed at opposite sides of and loosely embracing the outer end of its arm, the bight of the hinge part being hooked over said fulcrum-like edge portion of the arm and passing freely between said fulcrum-like edge portion and the adjacent surface of the other plate, between the lugs on the arm, and said other plate extending radially beyond the fulcrum-like edge portion and by engagement with the convex outer surface of the bight of the U-shaped hinge part cooperating with said fulcrum-like edge portion of the arm to constrain the blade to swinging movement about said edge portion of the arm.

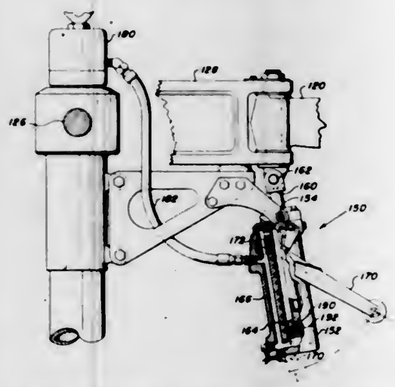
2,549,886
FOLDING ROTOR BLADE
Michel D. Buivid, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 18, 1947, Serial No. 761,975
10 Claims. (Cl. 244—17.11)

1. In a helicopter having a sustaining rotor and a body including a tail, a blade mounted on said rotor, blade support means cooperating with said tail, and means for folding said blade to lie adjacent said tail on said support means with its chord



generally vertical including a hinge in the blade root portion having an axis generally parallel with the chord of the blade.

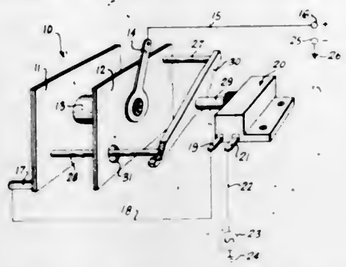
2,549,887
CENTRIFUGALLY CONTROLLED CONING LOCK FOR BLADED ROTORS
Michel D. Buivid, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 21, 1949, Serial No. 88,748
6 Claims. (Cl. 170—160.16)



1. In a helicopter rotor having a hub and blade, pivot means for connecting said blade and hub providing upward and downward flapping movement of said blade, resilient bumper means carried by said hub for limiting the downward movement of said blade, a cylinder carried by said hub, piston means reciprocable in said cylinder and having an operative connection with said blade for limiting the upward movement of said blade, a source of hydraulic fluid having a fluid line operatively connected to said cylinder, and means responsive to the speed of said rotor including a valve for controlling the flow of fluid in said fluid line and controlling the position of said piston means.

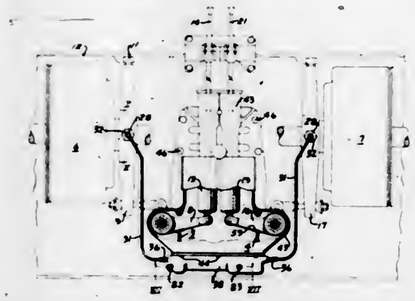
2,549,888
RECTIFIER PLATE
John Charles Burkholder, Toronto, Ontario, Canada
Application October 9, 1948, Serial No. 53,707
4 Claims. (Cl. 175—366)

1. In an alternating current rectifier stack of the dry-plate type at least one rectifier plate formed from a main body of metallic material having a rectifying portion, and a bi-metallic switch actuating portion in common metallic heat conducting circuit with and forming a part



of the rectifying portion of said main body of metallic material.

2,549,889
LUBRICATING SYSTEM
George E. Burks, George T. Lundberg, and Howard D. Nichols, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 16, 1946, Serial No. 690,842
1 Claim. (Cl. 184—6)

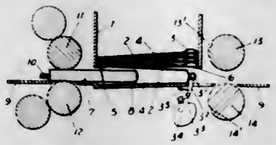


In combination with a vehicle having a pair of steering clutches each with a separate release bearing and separate clutch control levers associated therewith, a common reservoir for lubricant, a pair of pumps associated with said reservoir for withdrawing lubricant therefrom and directing it each to one of said release bearings, and means associated with the clutch control levers for actuating one of the pumps to direct lubricant to the corresponding release bearing when its control lever is actuated.

2,549,890
BOOK CASING-IN MACHINE
John Albert Edward Burls, Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application January 7, 1948, Serial No. 845
In Great Britain July 3, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1966
15 Claims. (Cl. 11—3)

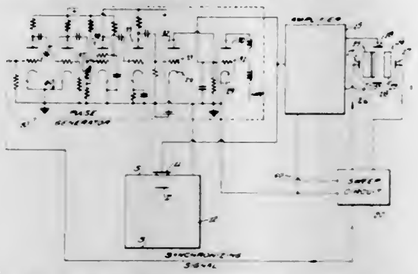
1. Apparatus comprising in combination a magazine capacitated to receive book-covers in super-posed relation with one leaf and the hinge overlying the other leaf, two spaced supports to hold the lowermost cover, one support engaging the cover by the overlapping part of its said one leaf and the other support engaging the cover at a part other than the said one leaf, means

to move the said other support intermittently into and out of supporting position to free the hinge and the other leaf, and means to move a



filler between the freed hinge and other leaf on the one hand and the said one leaf on the other hand.

2,549,891
SUPERSONIC TESTING
Benson Carlin, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application December 21, 1945, Serial No. 636,475
2 Claims. (Cl. 73—67)



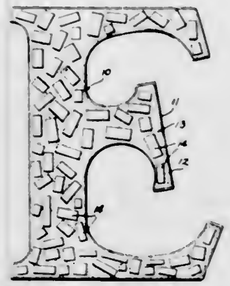
1. In a device for supersonic testing of an article, said device comprising a pulse generator including an oscillator, means for receiving the pulse and means for indicating the received pulse, the improvement which consists in said oscillator having an oscillatory circuit comprising a resonant component, said component consisting of a piezo-electric element of any desired frequency, the coupling in said element being solely electrical, whereby the oscillator is automatically tuned to the frequency of the element when an element is connected in the oscillatory circuit, said element being adapted to transmit the pulse into the article.

2,549,892
FLUORINATED PROPIONYL HALIDES AND A METHOD OF MAKING THEM
David W. Chaney, Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 28, 1946, Serial No. 680,055. Divided and this application June 4, 1948, Serial No. 31,205
7 Claims. (Cl. 260—544)

1. A fluorinated propionyl halide of the formula $CF_2ClCClXCOX$, where X is selected from the group consisting of chlorine and fluorine.

2,549,893
REFLECTIVE SIGN
Harold Cook, Milwaukee, Wis.
Application February 28, 1945, Serial No. 580,244
1 Claim. (Cl. 40—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A display sign comprising a flat base of plastic non-reflective material, a plurality of relatively spaced reflective elements embedded in the upper surface of said base and disposed thereon in asymmetrical variegated planes whereby a substantial portion of the non-reflective surface is exposed, and substantially planar reflecting surfaces on said elements.

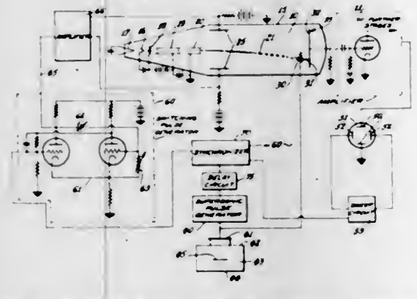


2,549,894
GARMENT WITH EXPANSIBLE NECK OPENING
James H. Crossingham, Mount Airy, N. C., assignor to Mount Airy Knitting Co., Mount Airy, N. C., a corporation of North Carolina
Application April 12, 1949, Serial No. 87,087
1 Claim. (Cl. 2—113)



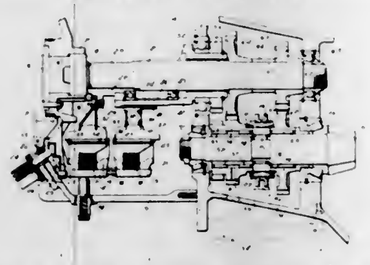
A shirt or like garment having an expansible neck opening, comprising a tubular body having shoulder strap portions extending upward from the front and complementary shoulder strap portions extending upward from the rear, said shoulder strap portions overlapping at the shoulder region of the garment through an arc extending a substantial distance downward both at the front and rear, said shoulder strap portions thus lapped defining armholes and a neck opening therebetween, and sleeve pieces for said armholes each being coextensive in width with the aggregate length of both of the adjacent shoulder strap portions, and seamed to the outer edges of said shoulder strap portions throughout its length, from the free end of one, completely surrounding the armhole, and to the free end of the other, and being correspondingly lapped to form a sleeve, the lapped parts of said combined shoulder strap portions and sleeve piece being seamed together solely at the outer end of the sleeve.

2,549,895
ELECTRONIC SWITCHING DEVICE
Ralph B. De Lano, Jr., New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application October 4, 1946, Serial No. 701,319
6 Claims. (Cl. 73—67)



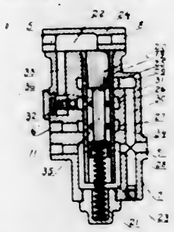
4. In a supersonic testing system, means for generating supersonic pulses, means for transmitting the pulses into an object under test and for receiving reflections of said pulses, an amplifier, an indicator actuated by the output from said amplifier, and means for preventing the signal due to the generation of the pulse from passing through the amplifier, said preventing means comprising an electron switch tube, said tube including a cathode, an anode, means for generating a beam of electrons between said cathode and anode, and an input signal grid cooperating with the anode, the anode being connected to the input of the amplifier, the signal grid being connected to said transmitting and receiving means, means for normally maintaining the beam at rest in engagement with the signal grid, and means synchronized with the generation of the pulse for deflecting the beam out of engagement with the signal grid.

2,549,896
MULTIPLE FORWARD AND REVERSE SPEEDS TRANSMISSION
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 21, 1947, Serial No. 762,439
10 Claims. (Cl. 74—330)



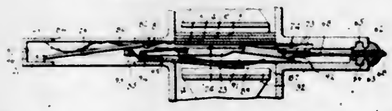
1. In a torque transmitting drive, an axially projecting shaft, a quill rotatably journaled on said axially projecting shaft, a first housing containing alined eddy current clutches, one of said clutches having the driven element thereof mounted on said axially projecting shaft, the other of said clutches having the driven element thereof mounted on said quill, a second housing, a driven shaft in said second housing, a pair of gear trains each comprising a gear fixed on said axially projecting shaft and a gear rotatably journaled on said driven shaft, clutch means on said driven shaft intermediate said gear trains for selectively clutching either of said gear trains to said driven shaft to provide different driving ratios between said axially projecting shaft and said driven shaft, and reverse drive gearing between said quill and said driven shaft whereby energization of one of said clutches operates to drive said driven shaft directly through one of said gear trains, and energization of said other clutch operates to drive said driven shaft in reverse direction through said reverse drive gearing and thence through said gear trains.

2,549,897
PRESSURE OPERATED VALVE MEANS FOR HYDROSTATIC POWER TRANSMITTING SYSTEMS
Kaleb Emil Evrell, Eskilstuna, Sweden, assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden, a corporation of Sweden
Application August 1, 1947, Serial No. 765,607
In Sweden October 18, 1945
3 Claims. (Cl. 137—153)



1. A relay valve comprising a body, a pair of pressure inlets to said body, a pressure outlet in said body, a return line outlet in said body, a cylinder in said body, a plurality of ports in the wall of said cylinder, a plurality of passages in said body communicating with said portions, a piston valve slidably disposed in said cylinder, calibrated spring means constructed and arranged to bias said piston toward one extreme position at one end of said cylinder whereby with said piston in said one extreme position fluid from both pressure inlets will flow to said pressure outlet until the pressure of said fluid reaches a value sufficient to move said piston to an intermediate position against the force exerted by said spring, at which time fluid from one pressure inlet will flow to said pressure outlet, the fluid from the other pressure inlet flowing to said return line and whereby upon the pressure of said fluid reaching a value sufficient to move said piston to the opposite extreme position the fluid from both pressure inlets will flow to said return line.

2,549,898
SLIDE CHANGING DEVICE FOR PROJECTORS
Frank L. Fish, Los Angeles, Calif.
Application November 15, 1949, Serial No. 127,293
2 Claims. (Cl. 88—28)



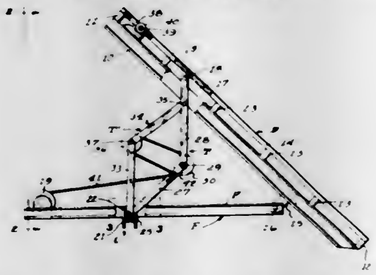
1. In a mechanism for operating a slide changing device for attachment to a slide projector

wherein the device includes a feed magazine for slides to be exhibited, a receiver magazine for collecting the slides after exhibition thereof, and a frame associated with said magazines and serving as a guide for the slides in the movement thereof from the feed magazine into position to be exhibited and thence into the receiver magazine; the improvement which includes an elongated plate-like shuttle reciprocable in the frame between said magazines, a shoulder intermediate the ends of said shuttle for engaging an end of a slide in the feed magazine and moving the slide on the shuttle into a position in the frame to be exhibited, spring means on the frame for moving the slide to one side of the plane of movement of the shuttle on retraction of the shuttle from position in which the slide is to be exhibited, said shuttle having an opening adjacent one end thereof, a spring arm fixed at one end on said shuttle and having its free end disposed in said opening and of angular form to serve as a hook for engaging and retracting the slides after exhibition thereof, spring means in the frame contacting said spring arm when the shuttle is retracted and contacting the shuttle while the latter is in motion for urging the shuttle toward the feed magazine, said last named spring means guiding the retracted slides into the receiver magazine, means for reciprocating said shuttle, and a pair of shuttle guide members fixed at their ends to the frame and extending between the shuttle and the feed magazine in contact with the shuttle and spaced apart to permit the slides to pass therebetween against the shuttle.

2,549,899
PROCESS FOR THE PREPARATION OF NEPTUNIUM TETRAFLUORIDE
Sherman Fried, Chicago, Ill., and Norman R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application August 11, 1947, Serial No. 768,060
9 Claims. (Cl. 23—14.5)

1. A process for the preparation of neptunium tetrafluoride which comprises contacting neptunium dioxide with hydrogen fluoride in the presence of an oxidizing agent at a temperature between 300° and 1000° C.

2,549,900
DUMP BODY LIFT
Wilbur George Frensel, Nome, Tex.
Application March 25, 1948 Serial No. 17,081
1 Claim. (Cl. 298—19)



A structure of the character described, comprising a truck frame, a dump bed in the form of a flat body supporting structure overlying the frame, a pivot coupling between said structure and the frame for vertical oscillation of the structure, said truck frame comprising a pair of spaced parallel beams, a cradle structure disposed transversely between and connected with said beams, a first set of toggles coupled between said cradle and the body supporting structure, said toggles comprising two lifting levers each pivotally connected at one end to said cradle and two lifting levers each pivotally connected at one end to said supporting structure, a transverse pivot shaft forming a coupling between the other ends of the first mentioned levers and the other ends of the second mentioned levers, a second set of toggles comprising two lifting levers each pivotally connected at one end to said cradle and two lifting levers each pivotally connected at one end to one of those lifting levers of the first toggle set which is connected to the supporting structure, the connection of the said two lifting levers of the second set to the last mentioned levers of the first set being below the connections of the said last mentioned levers of the first set with the supporting structure, a second transverse pivot shaft forming a coupling between the other ends of the first mentioned levers of the second set and the other ends of the second mentioned levers of the second set, pulleys rotably supported on each of the shafts, a cable passing around and connecting said pulleys, one end of said cable being secured to a lever, and means on the truck frame for connection with the other end of the cable for pulling the latter to effect the actuation of the two sets of toggles.

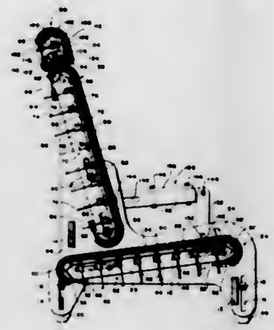
2,549,901
RINGLET HAIR FORMING DEVICE
Rose Greenberger, Los Angeles, Calif.
Application April 26, 1950, Serial No. 158,261
4 Claims. (Cl. 132—41)



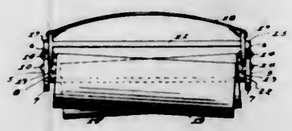
1. In a device for forming ringlets of hair on the head of a user, a substantially ring shaped base of flexible material having a radial slot extending therethrough, an elongated mandrel of flexible material fixed at one end to the base diametrically opposite the slot, said mandrel extending beyond the confines of said base and being capable of being coiled about the axis of said base to lie wholly within the outer periphery of said base, an elongated coil retaining strap fixed at one end to the base adjacent the periphery thereof, and means carried by the opposite end of the strap detachably to couple said end of the strap to the base diametrically opposite the place at which the strap is fixed to the base.

2,549,902
SEAT
Donald L. Hibbard, Chevy Chase, Md., and Samuel E. Homsey, Washington, D. C.
Application October 2, 1945, Serial No. 619,856
7 Claims. (Cl. 155—1)

1. A chair comprising a frame, a longitudinally and transversely flexible seat member carried by said frame, a plurality of contour modifying elements arranged in longitudinally spaced relationship with respect to a surface of said member, a plurality of contour modifying elements arranged in transversely spaced relationship with respect to said surface of said member, and a clamping member individual to each of said elements individually and adjustably securing each of said elements with respect to said frame independently of the others.



2,549,903
MASSAGE DEVICE
Henry G. Hilsher and Ruth S. Hilsher, Baltimore, Md.
Application December 16, 1949, Serial No. 133,306
5 Claims. (Cl. 128—57)

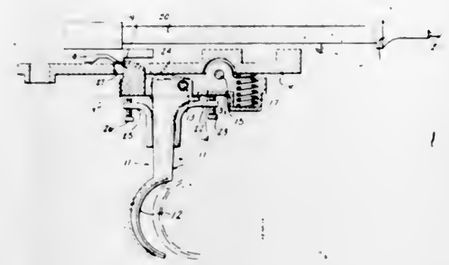


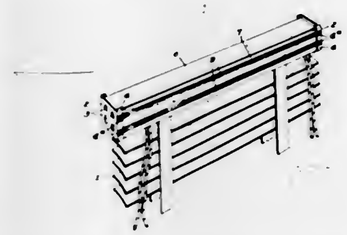
1. A massage device comprising a frame having spaced side members, a hand pad extending between said side members and pivoted to said frame to rock on a transverse axis relative to said frame, and a plurality of transverse axis rollers extending transversely between said side members beneath said hand pad, said rollers having opposite ends thereof journaled on said side members, adjacent ones of said rollers having ends thereof concentrically journaled on opposite ones of said side members and having opposite ends thereof eccentrically journaled on opposite ones of said side members.

2,549,904
TRIGGER-ADJUSTING MEANS FOR FIREARMS
Roy C. Hoard, Edinburg, Tex.
Application May 28, 1948, Serial No. 29,743
4 Claims. (Cl. 42—69)

3. In a firearm having firing mechanism including a receiver, a sear pivoted intermediate its ends on said receiver and having firing mechanism engaging portion on one end, spring means normally pivoting said sear into firing mechanism engaging position, a trigger pivoted on said sear intermediate the ends thereof at a point at one side of the pivotal point of said sear, an extension on said trigger extending beneath said sear in a direction opposite said firing mechanism engaging portion of said sear, a screw on said extension adjustable to engage said sear to limit normal pivoting of said trigger relative to said sear in a direction away from said firing mechanism engaging portion of said sear.

2,549,905
SUPPORT FOR ORNAMENTAL CORNICE AND VENETIAN BLIND
Charles W. Jablon, Brooklyn, N. Y., assignor to Reverso Products Co., Brooklyn, N. Y., a copartnership
Application May 11, 1948, Serial No. 26,328
7 Claims. (Cl. 248—264)

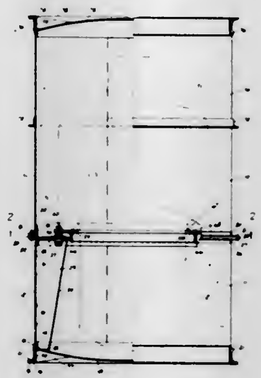




1. An ornamental cornice for a Venetian blind, consisting of end brackets adapted to be secured in window and door frames at opposite sides thereof in opposing relation at opposite ends of the blind as supports for the same, and a fascia that connects the brackets and conceals the bodies thereof and the upper rails of the blind, the said brackets being of identical construction and reversible end for end for use at either end of the blind.

2,549,906
SHIPPING CONTAINER FOR AIRCRAFT ENGINES
Carl E. Johansson, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application April 18, 1945, Serial No. 589,003
12 Claims. (Cl. 206—46)

1. A shipping container comprising a section embodying a peripheral wall having a closed end and an open end, a plurality of pairs of spaced plate members secured to said wall within said section, a plate spanning and secured to each pair of vertical plate members, flexible mount-



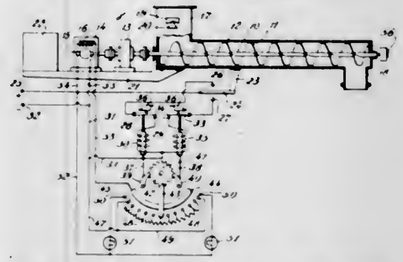
ings carried by said spanning plates, an annular member supported by said mountings, and a cover section releasably secured to said open end and closing said first mentioned section.

2,549,907
SHIPPING CONTAINER FOR AIRCRAFT ENGINES
Carl E. Johansson, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1948, Serial No. 42,592
10 Claims. (Cl. 206—46)



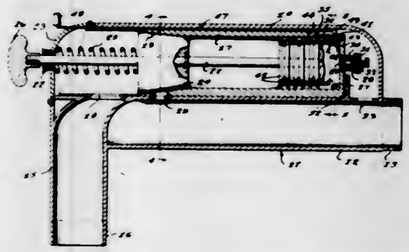
8. A shipping container for aircraft engines comprising upper and lower sections, each of said sections embodying a peripheral wall having one end closed and the other end open, spaced brackets lying within said lower section and secured to the wall thereof, flexible mountings secured upon said brackets, each of said mountings including a resilient member and a metallic member seated thereon and having side portions extending beyond and terminating adjacent to the sides of each bracket, said side portions of said members having openings therein adapted to receive fastening means, the open ends of said sections being adapted to be secured together.

2,549,908
APPARATUS FOR FEEDING AND WEIGHING
Jens Johansen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application July 12, 1947, Serial No. 760,586
In Denmark September 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1961
6 Claims. (Cl. 198—37)



1. An apparatus for feeding pulverulent or granular material and measuring the weight of the material fed, which comprises a conveyor, means for supplying material to the conveyor, a mounting for the conveyor, on which the conveyor may swing in either direction from a normal position, as the weight of the body of material on the conveyor rises above or falls below a selected value, means for driving the conveyor, means operated by the movement of the conveyor from its normal position on its mounting for varying the action of the driving means to cause the speed of the conveyor to vary directly with the weight of the body of material thereon, and means for counting the units of length of the stream of material discharged from the conveyor.

2,549,909
AUTOMATIC TIME VALVE
Ernest R. Joynes, Oakland, Calif.
Application August 13, 1948, Serial No. 44,047
4 Claims. (Cl. 251—138)



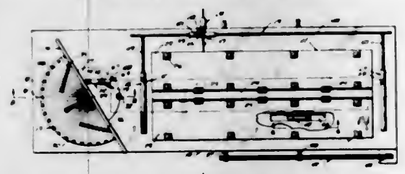
4. In a timing valve of the type comprising a housing having an inlet and an outlet and including a valve seat therebetween, a plunger carrying a plug engageable on said seat, and spring means urging the plunger toward valve seating position the improvement comprising, a cylinder slidably receiving said plunger, conduit means, including a suction-responsive check valve positioned forwardly of the plunger and connecting said cylinder to said inlet, the forward end wall of said cylinder having a restriction communicating with said conduit means, and cooperating means on said plunger and said check valve for opening the check valve responsive to the approach of the plunger toward said end wall.

2,549,910
VEHICLE-WHEEL WRENCH AND EXTENSION-HANDLE ASSEMBLY
Howard Hinds Lane, Dearborn, Mich., assignor of fifty per cent to Lloyd Lawson, Dearborn, Mich.
Application February 17, 1949, Serial No. 76,883
10 Claims. (Cl. 81—177)



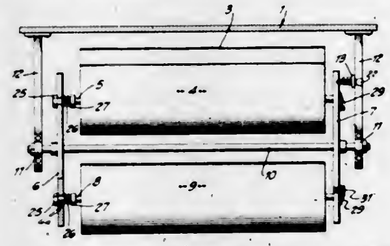
1. The assembly comprising in combination a wrench, a removable handle having intersecting axial and transverse openings therein, said wrench having an opening therethrough and being insertable in the transverse opening in said handle so that the opening in the wrench is aligned with the axial opening in said handle, and a key member removably inserted in said axial opening in the handle and passed through the opening in said wrench in order to key the handle and wrench together.

2,549,911
PIPE LAYOUT MACHINE
Robert D. Lee, South Gate, Calif.
Application November 4, 1949, Serial No. 125,461
3 Claims. (Cl. 33—21)



1. Pipe lay-out apparatus comprising an elongated table, an adjustable pipe bed mounted on said table and extending longitudinally thereof, manually-operated means carried by said table and engaging said pipe bed for adjusting the latter to different size pipe, a protractor plate pivotally secured to said table at one end of said pipe bed, a gauge plate secured at one edge to said protractor plate along a diameter of the latter and upstanding substantially perpendicularly therefrom, a standard support extending longitudinally of said pipe bed at one side thereof and slidably connected to said table for movement toward and away from said pipe bed, a vertical standard mounted at its lower end on said standard support for movements of adjustment longitudinally of said support, means carried by said standard and adjustably movable longitudinally thereof for locating a line of severance on a pipe supported on said pipe bed, and means attachable to a pipe supported on said pipe bed at the end of such pipe adjacent said gauge plate to contact said gauge plate and move the pipe longitudinally as the same is rotated on said pipe bed for establishing on the pipe a line of severance having an angular relationship to the longitudinal center line of the pipe corresponding to the angular setting of said protractor plate and gauge plate.

2,549,912
SUPPORTING STRUCTURE FOR A PLURALITY OF ROLLS
Lionel G. Lindsay, Los Angeles, Calif.
Application April 21, 1947, Serial No. 742,958
13 Claims. (Cl. 242—64)



10. In a roll supporting structure: a frame; means pivotally mounting the frame about an axis; a plurality of rods supported by said frame upon which rolls are to be supported, and having their axes arranged parallel to the frame axis and angularly spaced thereabout; means for releasably holding the frame in any of a plurality of angular positions about the frame axis; means providing a mounting on said frame for one end of each rod; means for detachably holding said other end of each rod in roll supporting position, including means forming an aperture for receiving said other end of the rod, and a spring encircling said rod at said one end and engaging said frame to urge the rod into the aperture.

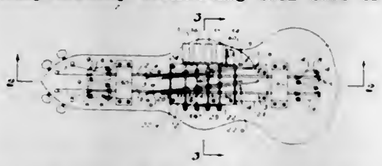
2,549,913
COPOLYMER OF ACRYLONITRILE AND ISOBUTENE AND METHOD FOR ITS PRODUCTION
Marion R. Lytton, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 10, 1948, Serial No. 38,170
3 Claims. (Cl. 260—85.5)

1. Method for the production of a copolymer of acrylonitrile and isobutene containing, in the copolymer molecule, from 89.5 to 90.5 mol per cent of acrylonitrile and from 9.5 to 10.5 mol per cent isobutene, which comprises copolymerizing 12 parts by weight of acrylonitrile and 37 parts by weight of isobutene, under pressure, with stirring, in an aqueous medium containing an emulsifying agent consisting of sodium oleate and potassium persulfate as polymerization catalyst, the copolymerizing time being 60 hours and the temperature of copolymerization being 50° C.

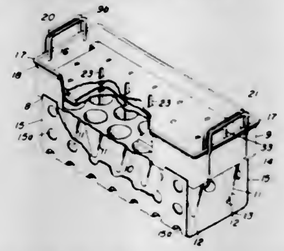
2,549,914
STRINGED MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif., assignor to Bantar, Incorporated, Burbank, Calif., a corporation of California
Application October 5, 1946, Serial No. 701,564
18 Claims. (Cl. 84—315)

1. In a stringed musical instrument: a body; a plurality of parallel tensioned strings spaced from

the body; a plurality of bars having crests for contacting respectively said strings; and means for independently translating said bars to different positions between said body and said strings to move said crests progressively along the respective strings and vary the free vibrating length thereof.

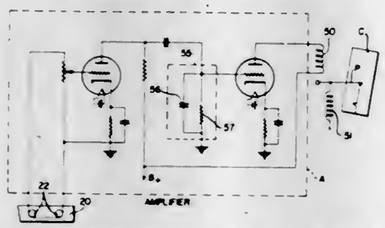


2,549,915
APPARATUS FOR MAKING FROZEN CONFECTIONS
Clifford McCarl, San Diego, Calif.
Application March 2, 1948, Serial No. 12,495
4 Claims. (Cl. 294—87)



1. In apparatus for making frozen confections on sticks embedded therein and protruding therefrom, the combination of, a tray having perforations in the bottom thereof formed to receive the shanks of confection sticks extending downwardly therefrom, a stationary floor plate and a floor plate slidable in relation thereto removably installed inside said tray and each having perforations therethrough conforming in size and arrangement to those in the bottom of said tray and permitting alignment therewith to receive the shanks of said sticks, and manually controlled spring actuated means for offsetting said sliding plate and releasably clamping the shanks of said sticks in upright position when installed in said perforations.

2,549,916
RAIL FLAW DETECTOR MECHANISM
William E. Mesh, Teaneck, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application July 28, 1948, Serial No. 41,013
5 Claims. (Cl. 175—183)



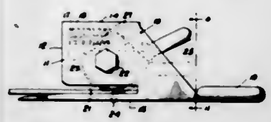
1. In a rail flaw detector car, means for energizing the rail with flux, detector means responsive to variations in said flux caused by a defect and adapted to induce a voltage whose magnitude and rate of increase are functions of the speed of the car, and a low-pass filter connected to said detector means and having gradual cut-off for discriminating said induced voltages, whereby the output from said filter diminishes as the rate of increase of the induced voltage increases.

2,549,917
DISPLAY COVER DEVICE
Wallace C. Milbrandt, Milwaukee, Wis.
Application June 4, 1949, Serial No. 97,220
3 Claims. (Cl. 220—32)



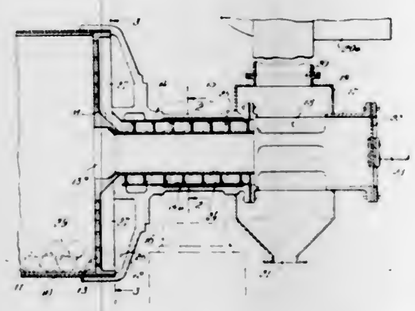
3. A display device for attachment to a display container, said device comprising separate body frame and cover members each having depending marginal flanges formed of elastic material, said cover having a removable window pane, means forming a hinged, freely swingable connection between said members comprising pintles on one of said members mating with pintle receiving lugs on the other of said members, said cover having its hinging marginal flange disrupted centrally therealong to permit temporary distortion under compression whereby assembly or disassembly of said hinging connection may be accomplished, and a releasable rigidifying and window pane retaining bar assembled within said disrupted flange to prevent accidental distortion of same and consequent disassembly of the hingably connected members during the opening and closing operation of said cover, said bar being under-cut along the length thereof to provide a recess in cooperation with a similar recess along the opposite marginal flange of the cover for retention of said window pane therebetween.

2,549,918
SHEET METAL HANDLING TOOL
Joseph G. Miller, Wilmington, Calif.
Application June 26, 1945, Serial No. 601,623
3 Claims. (Cl. 294—104)



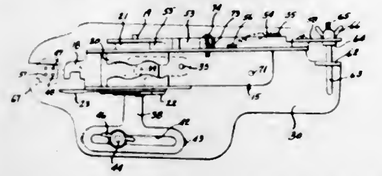
3. In a sheet metal handling tool, a sheet separating blade, a handle of elongated loop form extending crosswise of the rear end of said blade, flanges rising from opposite sides of the rear end portion of said blade and having their rear end edges upwardly and forwardly angled, a wall connecting the top edges of said flanges forwardly of the angled rear ends thereof, a second wall connecting the front end edges of said flanges and said top wall, the lower edges of the forward portions of said flanges and the like edge of said second wall being spaced above the underlying portion of said blade to receive an edge portion of a sheet therebetween, a cam element pivoted between said flanges below the first wall, serrations formed along the working surface of said cam element, an actuating handle extending rearwardly from said cam and projecting outwardly from between the angled rear ends of said flanges, another wall extending inwardly from said second wall below the first wall to form a recess therebetween a lug formed on said cam element, and a coil spring seated in said recess and bearing against said lug to maintain the cam element in its sheet gripping position.

2,549,919
AIRSWEPT ROTARY MILL OR DRUM HAVING SEPARATE DISCHARGE MEANS FOR AIR AND GROUND MATERIAL
Poul Moller, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application June 5, 1948, Serial No. 31,351
In Denmark June 6, 1947
2 Claims. (Cl. 241—54)



1. An apparatus, in which pulverulent material is treated in the presence of an air current, which comprises a shell of generally cylindrical form mounted for rotation on a substantially horizontal axis and having an outlet opening of relatively small diameter centrally of one end, a grate within the shell adjacent the outlet for preventing the passage of oversize material, a duct connected to the end of the shell around the outlet opening and extending co-axially of the shell, a cylindrical partition within the duct dividing it into inner and outer concentric passages for escape of air and material, respectively, from the shell, lifter means within the shell for delivering material from the interior of the shell into the outer passage, screw flights in the outer passage attached to the duct and partition, the flights advancing the material outwardly through the passage and cooperating with the material between them to prevent flow of air through the passage, a tubular extension from the duct, the extension having openings for escape of air and material, a drive shaft connected to the outer end of the extension, and a casing attached to the end of the duct and enclosing the part of the extension having the openings, the casing having a bottom opening for discharge of material and a top opening for escape of air.

2,549,920
BUTTON SEWING ATTACHMENT FOR SEWING MACHINES
Abraham Mosberg, New York, N. Y., assignor of thirty per cent to David Fischbein, twenty per cent to Max Kaufman, and twenty per cent to Alex Fuchs, all of New York, N. Y.
Application May 5, 1950, Serial No. 160,367
4 Claims. (Cl. 112—115)



1. A button sewing attachment for a sewing machine, comprising a frame member adapted to be fixedly mounted on the presser foot bar of a sewing machine, a shaft rotatably mounted on said frame member, a first cam and a second cam securely carried on said shaft, means for imparting uni-directional, intermittent rotary movements to said shaft, adapted to be operated by the needle bar of the machine; there being a plurality of such shaft movements during each complete revolution of said shaft, a plate member positioned under and connected to said frame member whereby said plate member is capable of being reciprocated on said frame member along a given line and across said line, a button holding means carried by the plate member, two separate cam follower means carried by the frame member, cooperating with said cams respectively to impart such respective motions to the plate member; the design of said cams being such that the first cam when rotated will impart a plurality of complete reciprocatory movements and the second cam when rotated will impart one complete reciprocatory movement to the plate member per revolution of said shaft; the first stroke of said one reciprocatory movement occurring at about the completion of a one half revolution of said shaft and the return stroke occurring at about when the said shaft has completed one revolution and manually adjustable means on the frame member to releasably hold the second cam follower means stationary; the movements of the plate member being such when both said cams act to move it, one along said line and the second cam across said line, whereby a button having four holes determining a rectangle, carried by the button holding means, will move along with the plate member so that two of said holes will alternately be at needle position during one of the periods while the second cam is at rest and the other two of said holes will alternately be at needle position during the second period while the second cam is at its second rest per revolution of shaft.

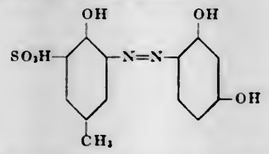
2,549,921
POLYMERIZATION OF VINYL ALKYL ETHERS WITH ALUMINUM HEXAHYDROSULFATE
Samuel A. Mosley, St. Albans, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application September 13, 1949, Serial No. 115,547
7 Claims. (Cl. 260—91.1)

1. In the polymerization of vinyl alkyl ethers to solid polymers, the improvement which com-

prises carrying out the polymerization under substantially anhydrous conditions in the presence of aluminum hexahydrosulfate as a catalyst.

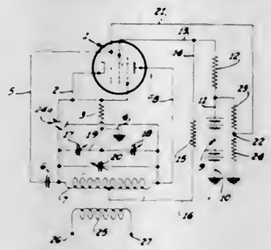
2,549,922
METALIZABLE MONOAZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Reinhard Neier and Walter Wehrli, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application January 26, 1948, Serial No. 4,454. In Switzerland January 28, 1947
16 Claims. (Cl. 260—206)

6. A process for the manufacture of a metallizable monoazo dyestuff, comprising the steps of treating the copper complex compound of the monoazo dyestuff of the formula



with p-toluenesulfonyl chloride and of subsequently removing the copper from the reaction product with sodium sulfide.

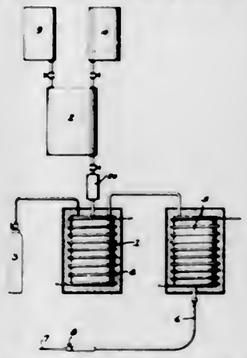
2,549,923
VACUUM TUBE OSCILLATOR
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,993
7 Claims. (Cl. 250—36)



1. In a signal generator, the combination of: a vacuum tube having a grid, a cathode and a plate; an unby-passed resistance in series with said cathode; an output circuit including said cathode and said plate; an input circuit including said cathode and said grid; a coupling circuit intercoupling said input and output circuits; and a compensating circuit comprising a condenser having two terminals, one of said terminals being directly connected to said cathode and the other of said terminals being connected to coupling circuit.

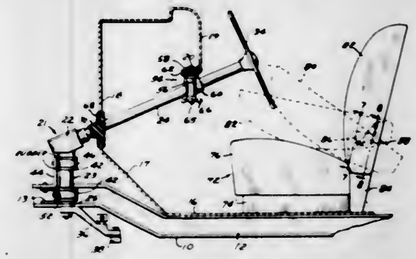
2,549,924
CURING OF MEAT
Henry Conrad Olien and Norman Stanley Geisenheimer, Milwaukee, Wis., assignors to Cudahy Brothers Company, Cudahy, Wis., a corporation of Wisconsin
Application August 20, 1947, Serial No. 769,714
5 Claims. (Cl. 99—159)

1. The method of preparing a pickle for the injection curing of meat, such method consisting in carbonating a pickle solution containing percentage of at least approximately 1% of used pickle, holding the carbonated solution under a pressure in the neighborhood of 50 pounds to the square inch and the temperature in the neigh-



borhood of 35° F. for 16 to 24 hours, whereby the pH is lowered to approximately 4.6, changing the iso-electric point of the proteins present, causing them to flock, and filtering the solution unheated.

2,549,925
MOTOR VEHICLE
Clyde R. Paton, Bloomfield Village, Mich.
Application May 12, 1947, Serial No. 747,479
6 Claims. (Cl. 74—493)

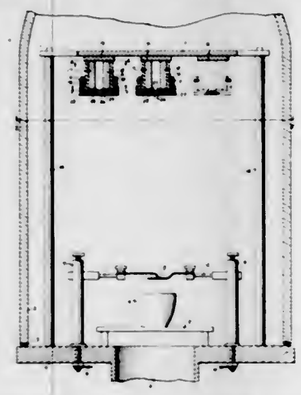


1. In a motor vehicle, a chassis frame, a steering gear including a tubular cross shaft housing arranged with its axis substantially vertical, an upper rubber bushing supported by said chassis frame, said bushing receiving said tubular cross shaft housing, an external downwardly facing annular shoulder on said housing seating on said bushing, and a lower rubber bushing carried by said frame receiving said cross shaft housing, at least one of said bushings adhering to said cross shaft housing.

2,549,926
APPARATUS FOR MAKING OPTICAL DEVICES
Gilbert E. Pride, Harold Osterberg, and Helen Jupnik, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 2, 1947, Serial No. 745,602
3 Claims. (Cl. 91—12.2)

1. In a coating device of the vacuum distillation type having means within a hermetic enclosure for vaporizing a coating material, apparatus within said enclosure for exposing an article to the vaporized coating material for

coating a portion of the surface thereof, said apparatus comprising a relatively fixed supporting part and a relatively movable article supporting part carried thereby, adjustable screw means associated therewith for moving said movable part and accurately centering the article to be coated, a magnetic shield of relatively small size for masking a portion of the exposed surface of the article so that said portion will remain uncoated, magnetic means disposed in normally fixed relation to said fixed part, a pair of magnetic members carried by said mag-



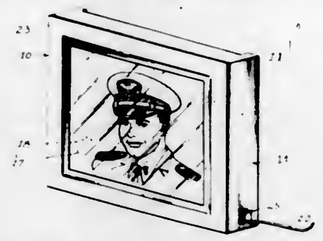
netic means and having pointed tip portions adapted to be positioned in closely adjacent relation to each other adjacent the opposite surface of said article for clamping said magnetic shield to the article by magnetic flux exerted therethrough, said magnetic members being adjustable relative to said magnetic means for determining the approximate location at which the tip portions thereof will exert said magnetic flux, and said adjustable screw means being adapted to move said article into an exact predetermined position relative thereto.

2,549,927
ELECTROSTATIC DETEARING APPARATUS
Edwin M. Ransburg, Indianapolis, Ind., assignor, by direct and mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application August 4, 1945, Serial No. 608,965
4 Claims. (Cl. 91—18)



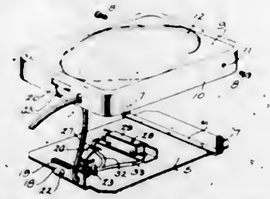
1. In electrostatic detearing apparatus, a horizontally disposed electrode, a conveyor for conveying articles to be deteared over and in spaced relation to the electrode, a screen of conducting material disposed over said electrode and a short distance above the lower ends of articles moved over the electrode by the conveyor, said screen having a longitudinal slot through which the lower ends of the articles project, and means including a source of high-voltage electricity for maintaining between said screen and the lower ends of the articles on the one hand and said electrode on the other an electrostatic field for urging excess coating material on such articles toward the electrode.

2,549,928
ILLUMINATED PICTURE FRAME
Francis E. Reefe, Chicago, Ill.
Application July 30, 1946, Serial No. 687,078
1 Claim. (Cl. 40—152.2)



An illuminated picture frame, comprising top, side and bottom walls of a substantial width, said side and bottom walls having aligned grooves extending parallel to and adjacent the rear edges thereof, said grooves in said side walls being of an increased width in the forward direction and upwardly from relatively short distances above said bottom wall, said bottom wall having the groove therein of a width equal to that of the lower end portions of the grooves in said side walls, said top wall having a slot therein aligned with the said grooves and of a width equal to the upper portions of the grooves in said side walls for the insertion downwardly therethrough of a transparency and a picture in rear of the latter, a back wall insertible downwardly through said slot in rear of said picture, the lower edges of said transparency and said picture seating on the bottom of the wider portions of the grooves in said side walls and the like edge of said back wall in the groove in said bottom wall, an open rectangular frame secured on the front edges of said top, side and bottom walls, and an electric lamp supported on said bottom wall medially between the ends thereof and in rear of the bottom portion of the last named frame.

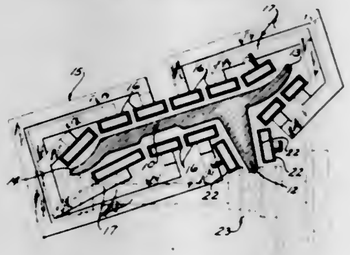
2,549,929
ADJUSTABLE RADIO SILENCER
Hermann Rehfeldt, Waukesha County, Wis., assignor to Kenworth Manufacturing & Stamping Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 24, 1948, Serial No. 16,714
5 Claims. (Cl. 200—85)



5. In a device of the character described, the combination with a platform adapted to receive a telephone instrument and provided with a depending skirt, of a base within said skirt provided with an upstanding bracket near one end of the platform having pintle means upon which said platform is oscillatable under the weight of said telephone instrument, a supporting spring biasing said platform upwardly and adapted to compensate for the weight of said instrument exclusive of the receiver thereof, said spring be-

ing adjustable and a switch disposed on said platform between the spring and pintle means and comprising contacts normally biased toward open position and a contact actuator engageable by the platform when said platform is depressed against the bias of the spring first mentioned.

2,549,930
SELECTIVE TEMPERING BY INDUCTION MEANS
Glen C. Riegel and Edward E. Alexander, Peoria, and Walter H. Lenz, Washington, Ill., assignors to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application September 19, 1949, Serial No. 116,533
1 Claim. (Cl. 219—47)



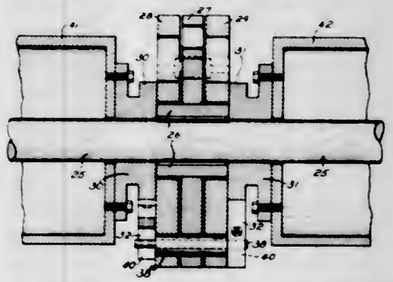
An apparatus for selective induction heating for tempering of an article of uniform cross section that is generally flat with a lug-like portion extending outwardly from one side thereof which comprises a plurality of elongated conductors arranged in a parallel group forming a pattern substantially entirely embracing those portions of the cross section to be heated but permitting the lug-like portion to project downwardly outside of said pattern, means connecting all of said conductors in series without intersecting the pattern whereby the article may be passed through said group in the direction of its parallelism, and means disposed outside of said pattern but in the space between the ends of the conductors for directing a fluid coolant against the lug-like portion while the article is passing through the heat inducing field of the conductors.

2,549,931
BAG OR ENVELOPE
Irwin A. Reiss, Los Angeles, Calif., assignor to Associated Paper Converting Corporation, Los Angeles, Calif., a corporation of California
Application June 23, 1948, Serial No. 34,737
1 Claim. (Cl. 229—54)



A bag or envelope comprising body panels united at their side and bottom edges, one of said panels being provided with a foldable top closing flap, a foldable locking tongue carried by said flap, aligned openings in said body panels at the top portions thereof, the upper end of one of the openings terminating in lateral slits adapted to receive and retain the locking tongue in position when the flap is folded to close the bag and the tongue is inserted through the slitted portion of the opening and folded upward, the width of the opening between the terminal closed ends of the slits being not less than the width of the locking tongue at the base thereof.

2,549,932
NONINTERLOCKING REVERSING TRANSMISSION
George W. Reitz, Paris, Ark.
Application September 30, 1946, Serial No. 700,297
4 Claims. (Cl. 254—185)

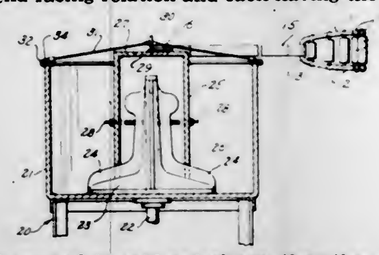


1. In a non-interlocking reversing transmission, a drive shaft, a main disk rigidly mounted thereon and a pair of secondary disks revolvable as regards said main disk, one on each side thereof, a driven member adjacent each of said secondary disks, a pawl and ratchet device between each of said driven members and the adjacent secondary disk to revolve the member in the same direction as the main shaft, and positive drive connection between said main and secondary disks; said driven member consisting of a hoisting drum; said ratchet device comprising a toothed plate secured on each of said drums, the teeth on one plate facing in opposite direction to the teeth on the other plate and ratchet pawls pivoted to rock on the respective secondary disks for engagement and disengagement with the respective ratchet plates; said positive drive connection consisting of gear pins fixed in said main disk extending transversely for free movement thru elongated openings in said secondary disks and engaging with the respective pawls to give the pawls a rocking motion sufficient to cause the same to engage the ratchet plate individual thereto as the gear pins move into positive driving engagement with the secondary disks.

2,549,933
VIBRATORY WEIGHT REDUCER
William A. Rohiffs, Lancaster, Pa.
Application October 10, 1947, Serial No. 779,133
2 Claims. (Cl. 68—4)

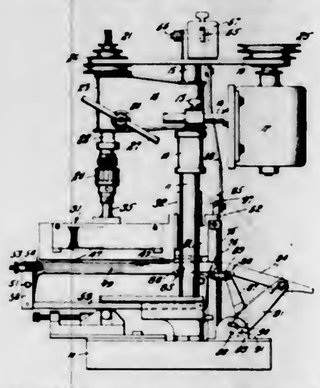
1. A power take-off coupling for attachment to an upstanding oscillatory impeller provided with radially extending blades and mounted in a washing machine tub, comprising, an upstanding housing arranged to partially enclose said impeller and having the lower end fixedly secured to said impeller for oscillation therewith, a bar positioned transversely of said housing adjacent the upper end of the latter and fixedly secured intermediate its ends to said housing, means on said bar adjacent each end thereof for attachment to an element to be oscillated, an upstanding swivel

eye carried by said bar intermediate the ends thereof and at least two straps arranged in end to end facing relation and each having the facing



end secured to said swivel eye, the other end of each of said straps being provided with means for attachment to the rim of said tub.

2,549,934
DRILL AND SAW MACHINE
Herman Saucke, New York, N. Y.
Application November 16, 1946, Serial No. 710,301
11 Claims. (Cl. 29—26)

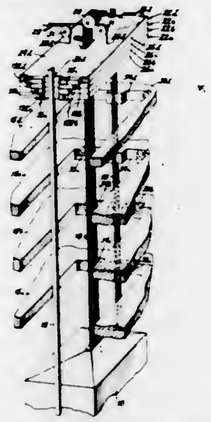


1. In a mechanical tool the combination of a rotary driving motor, a tool carriage and a tool carrying member, means for translating the rotary motion of the rotary motor into reciprocative motion for actuating the tool carrying member, means for mounting the tool carriage to move vertically, loading means for the tool carriage, a clutch element operatively associated with the tool carriage so as to follow the downward movement of the tool carriage, a second clutch element mounted for engagement with the first element, a lever adapted for connection with the tool carrying member, and reciprocated thereby and means connecting said lever with the second clutch element to impart intermittent vertical movement to the first clutch element and the tool carriage in timed relationship to the reciprocative movement of the tool carrying member.

2,549,935
POLYMERS OF HEXAFLUOROPROPENE
John C. Sauer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 18, 1946, Serial No. 677,529
8 Claims. (Cl. 260—87.5)

1. The polymerization product of a mixture comprising hexafluoropropene and another ethylenically unsaturated polymerizable compound; the hexafluoropropene being present in the said mixture in an amount of approximately 25% by weight of the combined weight of the polymerizable compounds contained in the said mixture.

2,549,936
APPARATUS FOR LOCALIZING THE EFFECTS OF ACCIDENTAL FIRES
Jack B. Schaus, Buffalo, N. Y.
Application January 15, 1947, Serial No. 722,151
15 Claims. (Cl. 187—62)

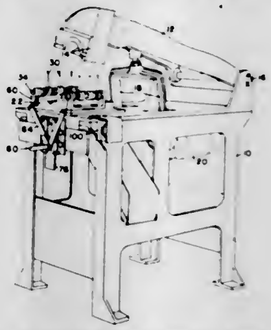


12. In a multiple story building having a vertical shaft extending through successive floors, the combination therewith of means for dividing said shaft into compartments in the event of fire, comprising at least one movable partition fitting said shaft, means for supporting said partition in an inoperative position at one end of said shaft and permitting full use of said shaft, a plurality of retaining members projecting outwardly from the side edges of said partition, a plurality of retaining members fixed in said shaft to engage said first retaining members and support said partition in a horizontal operative position across an intermediate part of said shaft to divide said shaft into said compartments, and means for moving said partition from said first supporting means to a position in which said retaining members interengage.

2,549,937
SAFETY HEAD HOLDER FOR HEAD SPLITTING MACHINES
Carl Oscar Schmidt, Jr., Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application October 17, 1949, Serial No. 121,871
10 Claims. (Cl. 17—23)

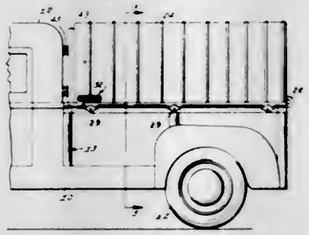
1. For use in a head splitting machine comprising means for splitting the head, a holder including an elongated table-like support for the head, the head support including side and end edges, a rotatable shaft carried by the support adjacent each side edge in spaced parallel relationship, a plurality of spaced yieldable fingers mounted on each shaft and directly connected thereto in yieldable driven relationship, the fingers normally extending substantially vertical from the outer circumference of the shaft and between the ends thereof, the table being adapted to support a head thereon between the shaft and fingers, means operatively associated with the shafts for rotating the shafts to cause the fingers to move toward each other and thereby

engage the head at different spaced points and horizontal planes to hold and position the head on the table support, and the engagement of the



fingers wtih the head being such that the upper portion of the head is exposed so that while so held and positioned it can be split.

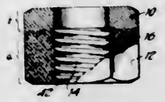
2,549,938
SLIDABLE COVER FOR TRUCK BODIES
John A. Seaman, Jr., McMinnville, Tenn.
Application February 18, 1949, Serial No. 77,166
4 Claims. (Cl. 296—104)



1. In combination, a rectangular vehicle body having a front end and a rear end and having a rolled tubular formation along the upper edge of each of its side walls, each tubular formation being provided in its lower side with spaced apart openings, roller brackets secured to the under sides of the tubular formations and respectively underlying said openings, a roller journaled in each bracket and projecting through the corresponding opening, a lower tube slidable in each tubular formation and supported on the corresponding rollers, a pipe return bend secured to each lower tube at the rear end of said body, an upper tube secured at one end to each pipe return bend and extending toward the front end of said body in substantially parallel relationship to the corresponding lower tube, and an arched cover secured at its opposite edges to said upper tubes and slidably supported on said body by said tubes for movement forwardly and rearwardly of said body.

2,549,939
THREADED FASTENING DEVICE
John D. Shaw, Totowa, and Jerome F. Kuzmick, Passaic, N. J., assignors, by mesne assignments, to Elastic Stop Nut Corporation of America, Union Township, N. J., a corporation of New Jersey
Application June 16, 1944, Serial No. 540,618
10 Claims. (Cl. 151—7)

1. A threaded fastening device comprising a unitary body of compacted and sintered metal powder providing a threaded bore portion for cooperation with a threaded element and a locking section having an opening constituting a continuation of said bore portion and adapted to be traversed by said element, said locking section consisting of metal containing not over approx-

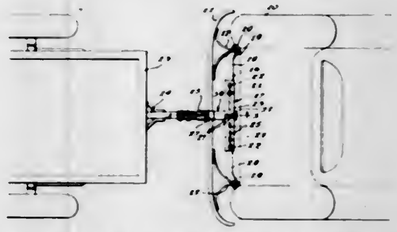


imately five percent lead and said opening being dimensioned to provide interference between the thread of said element and the wall of said opening and to require a displacement of material in said locking section when traversed by said element.

2,549,940
TITANATION OF POLYVINYL RESINS
Frank Kerr Signaigo, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1946, Serial No. 692,381
4 Claims. (Cl. 260—89.1)

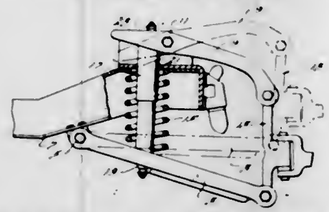
3. A method for producing an improved heat-convertible vinyl polymer composition which comprises mixing a partially, up-to-50%-hydrolyzed polymeric vinyl ester of a monocarboxylic acid with an aqueous solution of a reactive, water-soluble titanium compound, the TiO_2 concentration of which titanium compound ranges from about 7–15% by weight, based on the weight of the ester, and curing and setting the resulting product at temperatures ranging from 20–200° C.

2,549,941
MOUNT FOR TRAILER HITCH
Arthur F. Smith, Trenton, N. J.
Application October 28, 1947, Serial No. 782,552
2 Claims. (Cl. 280—33.44)



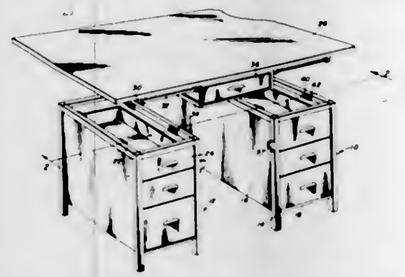
1. A mount for a trailer hitch for an automobile having a rear bumper and laterally-spaced bumper brackets connecting said bumper thereto in rearwardly-spaced relation, said mount comprising a bar member adapted to extend between said brackets, means detachably connecting said bar member to said brackets, said bar member being of angular configuration in cross-section to provide horizontal and vertical flanges, a central portion of said vertical flange being formed with a slot therethrough, said slot being substantially flush with one surface of said horizontal flange, a rearwardly-directed hitch member including a bar portion longitudinally adjustable in said slot, means detachably connecting said bar portion to said horizontal flange, and a trailer hitch carried by said hitch member rearwardly of said bumper.

2,549,942
VEHICLE SUSPENSION SYSTEM
Charles J. Smith, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application June 16, 1949, Serial No. 99,536
4 Claims. (Cl. 267—8)



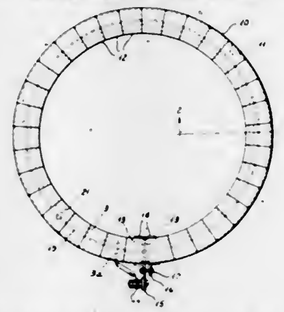
1. A suspension system for a vehicle having a frame and a ground-engaging wheel, including vertically spaced suspension arms extending outwardly generally transversely of the longitudinal center line of the vehicle and adapted to have their outer ends connected to the ground-engaging wheel, suspension spring means connected between and engaging the suspension system and the vehicle frame, means connecting the upper suspension arm to the frame intermediate said arm ends for pivotal movement about an axis extending substantially longitudinally of the vehicle, means connecting the lower suspension arm to the frame for pivotal movement about an axis extending substantially longitudinally of the vehicle, and a tubular direct acting shock absorber connected to said lower suspension arm outwardly of its point of connection to the frame and to said upper suspensin arm inwardly of its point of connection to the frame.

2,549,943
KNOCKDOWN DESK
Lester Snider, Springfield, Ohio
Application June 26, 1947, Serial No. 757,255
3 Claims. (Cl. 312—195)



1. A desk comprising a pair of spaced parallel vertically disposed cabinet sections, a plurality of slidable drawers carried by said sections including an upper drawer for each section, a table top for connecting said cabinets in spaced relation, pairs of spaced parallel transverse guide members secured to the lower face of said table top and bearing upon said cabinet sections, side boards slidably received in selected pairs of said guide members, a drawer frame rigidly carried by the lower face of said table top and interposed between said cabinet sections, a further drawer slidably mounted in said frame, means carried by said cabinet sections normally supporting said frame, and means for locking said table top relative to said cabinet sections, said locking means being concealed within the sections and accessible only by the opening of the upper drawer of each section.

2,549,944
ELECTRICAL HEATING DEVICE
Leonard E. Steiner, Westfield, N. J.
Application June 19, 1948, Serial No. 33,935
2 Claims. (Cl. 219—46)



1. In an electrical heating device, the combination comprising an articulated electric heating multiple-bar mat adapted to be wrapped about a body to closely conform and contact with the major portion of the periphery of such body; each of the several bars of said multiple-bar mat comprising a rigid elongated dielectric refractory bar of much greater length than its width and thickness, said bar having substantially smooth side surfaces and having arcuate cylindrical longitudinal lateral edges defining arcuate cylindrical surfaces extending throughout substantially the entire area of said edges, said bar having a plurality of holes spaced apart longitudinally of the bar and extending entirely through said bar substantially centrally between the sides thereof from one of said arcuate cylindrical surfaces to the other with each of said holes being countersunk to flare outwardly to such arcuate cylindrical surfaces; said bars being placed in edge to edge contact with one another with said holes of the several bars in axial alignment, and an electrical resistance wire threaded back and forth through the aligned holes in the several bars holding the contiguous edges of the several bars in contacting relation.

2,549,945
PROCESS FOR THE PRODUCTION OF A LEAD ARSENATE IN THE FORM OF FLAT, PLATE-LIKE CRYSTALS
Robert J. Thrift, Munster, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1945, Serial No. 590,501
4 Claims. (Cl. 23—54)

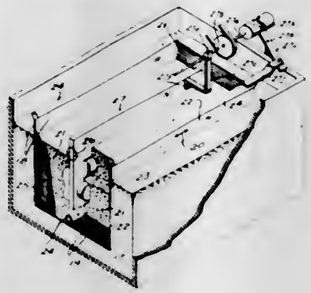
1. In a process for the production of a lead arsensate in the form of flat, plate-like crystals, the steps comprising preparing an aqueous solution containing an acid which reacts with litharge to form a soluble lead salt, feeding into said aqueous acidic solution arsenic acid and litharge in substantially stoichiometric proportions for the formation of $PbHAsO_4$ and at such rates relative to each other as to maintain the acidity of the reaction medium thruout the reaction period between pHx and $pH(x+1)$, where pHx is the pH of the starting aqueous acidic solution, and at the end of said reaction period withdrawing the resulting lead arsenate from the reaction zone.

2,549,946

ELECTROPOLISHING

Milton Albert Treuhaft, Weehawken, and Carl E. Swanson, Arlington, N. J., assignors to Hudson Electrochemical Co., Union City, N. J.

Application February 3, 1948, Serial No. 5,978
1 Claim. (Cl. 204—140.5)



An improved method of electro-buffing metal, which comprises establishing a circulating bath of an electrolyte of a type which electrolytically removes metal from an anode with continuous production of a by-product film on the anode surface, immersing a metal object as anode in said bath with its surface which is to be electro-buffed, under the surface thereof and facing into a free portion of the bath to provide electrolyte circulation space across said surface, connecting and maintaining in the same circuit a cathode, wiping the high areas of the surface being electro-buffed with physically separated wipers, continuously circulating electrolyte between said wipers, said wiping occurring only at a plurality of separated areas at any one instant, continually shifting the wipers relative to the surface being electro-buffed so that all such high areas on such surface are wiped, but the wiping of individual areas thereon is intermittent, the area of the immersed surface which is undergoing electro-buffing being substantially in excess of the portion of that area which is being wiped at any one time, whereby to allow the electrolyte to act on each area between said intermittent wipings, and continuing the wiping and free exposure to circulating bath and the maintaining of by-product film on the low areas thereof until minute high areas in which surface irregularities had existed are brought to a surface substantially co-directional and contiguous with adjacent surface areas to form a distinct-image-reflecting surface.

2,549,947

HEMI-DIETHYLENE GLYCOL ADDUCT OF 3,12 - DIHYDROXY - 7 - KETOCHOLANIC ACID AND PREPARATION THEREOF

Benjamin F. Tullar, East Greenbush, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 14, 1949, Serial No. 115,770
2 Claims. (Cl. 260—397.1)

1. The hemi-diethylene glycol adduct of 3,12-dihydroxy-7-ketocholanic acid having the empirical formula

$$C_{24}H_{38}O_5 1/2(HOCH_2CH_2OCH_2CH_2OH)$$

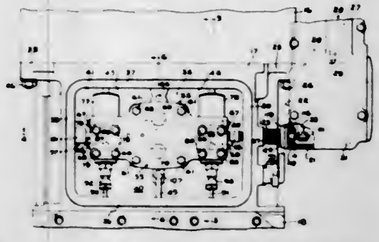
and the melting point about 150–151° C. when pure.

2,549,948

ACCESSORY MOUNTING FOR INTERNAL-COMBUSTION ENGINES

Bertram G. Valentine, Kenmore, N. Y., assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application August 9, 1948, Serial No. 43,190
18 Claims. (Cl. 123—195)



1. In an internal-combustion engine having a main engine casting: means rigidly mounted on said casting and providing a compartment having an open top through which access may be had to the compartment; means within the cc npartment providing an upstanding support substantially centrally of the compartment and generally separating the compartment into a pair of similar pockets; means in the support providing a generally horizontal opening through the support communicating the compartment pockets; means providing in the support a generally vertical fuel passage at one side of said opening and a generally vertical lubricant passage at the other side of said opening, said support having top mounting surfaces and said passages opening upwardly respectively to said surfaces; a carrier member disposed generally horizontally across the support and having a central undersurface complementary to the mounting surfaces on the support and a pair of end portions respectively overhanging the support and above the compartment pockets; means detachably mounting the carrier member on the support; means in the carrier member including a fuel passage and a lubricant passage opening at the undersurface of the member and respectively communicating with the passages in the support, said member passages extending into the member end portions; a pair of fuel pumps carried respectively by said member end portions in the compartment pockets, each pump including a fuel chamber, a lubricant chamber, and a controllable part, said fuel and lubricant chambers in the pumps being respectively connected to the fuel and lubricant passages in the carrier member; a control element connected to the controllable parts of the fuel pumps and extending through the opening in the support; and a cover closing said compartment.

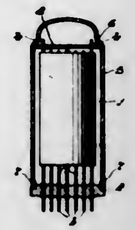
2,549,949

ELECTRIC DISCHARGE TUBE

Cornelis Frederik Veenemans, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application December 6, 1947, Serial No. 790,096
In the Netherlands September 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1966
4 Claims. (Cl. 313—238)

1. An electric discharge tube comprising a bulb, an electrode system in said bulb and provided with at least two extended supporting members, a base carrying the said electrode system and sealed to the said bulb, a centering member in said bulb and positioned adjacent the upper end thereof, means defining apertures in the said centering member, the said extended supporting



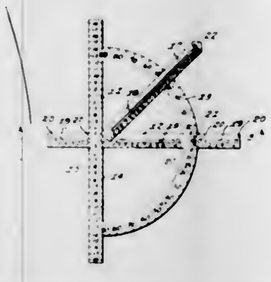
members slidingly engaging the said aperture means to position the said electrode system in the said bulb, and means on said bulb for preventing said centering member from upward movement in said bulb.

2,549,950

COMBINATION PROTRACTOR AND LEVEL

Hurshel K. Walton, Marshall, Mo.

Application August 31, 1948, Serial No. 47,077
4 Claims. (Cl. 33—88)



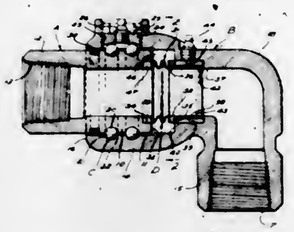
2. A measuring instrument comprising a first straight portion provided with graduations in units of length from the center toward each end thereof, a second straight portion disposed centrally and transversely of said first straight portion and secured thereto, said second straight portion being provided with graduations in units of length therealong and having its ends projecting beyond the opposite sides of said first straight portion, a semi-circular arcuate member positioned with its center of curvature along one side of said first straight portion and having its free ends secured thereto and having an intermediate portion traversing the adjacent projecting end of said second straight portion and secured thereto, said arcuate member being provided with graduations in degrees from said intermediate portion toward each of said free ends, there being a hole provided in said straight members at said center of curvature of said arcuate member, an arm including a depending lug at one end thereof overlying said arcuate member and having said lug rotatably engaged within said hole to thereby mount said arm for movement along said arcuate member, said arm being provided with graduations in units of length, and a first level indicating means positioned contiguous to the other end of said arm and secured thereto.

2,549,951

SWIVEL JOINT FOR FLUID CONDUITS

Doyle C. Warren, Monrovia, Calif., assignor to Chiksan Company, Brea, Calif., a corporation of California

Application February 2, 1948, Serial No. 5,872
13 Claims. (Cl. 285—97.3)



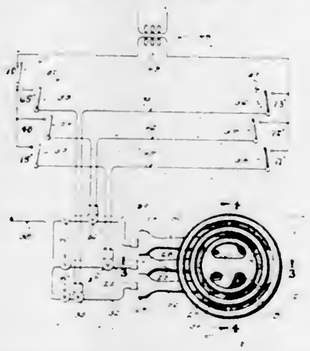
7. A flow conducting structure of the character described including, a female section having a flow passage therethrough with a socket entering it from one end, a male section having a flow passage therethrough and having an inner portion received in the socket, means rotatably coupling the sections, one of the sections having a counterbore therein, a flow conducting bellows in the counterbore having an inside diameter substantially the same as the passages, a mounting member on one end of the bellows and held by one section, and a sealing member on the other end of the bellows having sealing engagement with the other section.

2,549,952

HEATING DEVICE AND AUTOMATIC CONTROL MEANS THEREFOR

Carlton M. Wheelock, Milwaukee, Wis.

Application July 10, 1947, Serial No. 760,060
2 Claims. (Cl. 236—1)



1. In combination with a plurality of fluid fuel burners each having a separate supply duct, an electrical control system for governing the supply of fuel to said burners comprising: an electromagnetic valve in the supply duct for each of said burners; an energizing circuit for each of said electromagnetic valves, each of said circuits including a thermostatically operated switch adapted to be subjected to the temperature obtaining outdoors and a second thermostatically operated switch adapted to be subjected to the temperature obtaining indoors in the space heated by the burners, closure of both of said thermostatically operated switches being re-

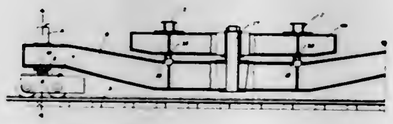
quired to effect energization of the electromagnetic valve controlled thereby, the thermostatically operated switches subjected to indoor temperature being set to close successively upon a drop in indoor temperature of a relatively few degrees, and the thermostatically operated switches subjected to outdoor temperature being set to close successively upon a drop in outdoor temperature covering a relatively large number of degrees, the indoor thermostatically operated switches being set to close at different temperatures which are substantially higher than their associated outdoor thermostatically operated switches.

2,549,953

SUPPORTING TRUCK FOR CANAL LINING EQUIPMENT

Leonard R. Zimmerman, Stockton, Calif., assignor to Guntert and Zimmerman, Stockton, Calif., a partnership consisting of Leonard R. Zimmerman and Ronald M. Guntert

Application January 17, 1947, Serial No. 722,571
1 Claim. (Cl. 105—179)



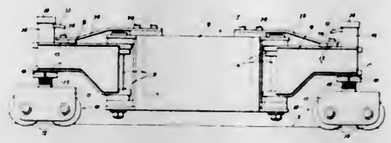
In a canal lining equipment which includes a rigid main frame adapted to straddle the canal and a track comprising a rail extending along each bank of the canal; a supporting structure for the frame comprising a pair of bolster beams extending lengthwise of and above the rails, vertical king pins connecting the main frame and bolsters substantially centrally of the ends of the latter, wheel trucks at the ends of the bolsters each including a pair of flanged wheels engaging the corresponding rail, and vertical king pins connecting the trucks and bolsters.

2,549,954

TRUCK FOR CANAL LINING EQUIPMENT

Leonard R. Zimmerman, San Joaquin, Calif., assignor to Guntert and Zimmerman, Stockton, Calif., a partnership

Application September 13, 1948, Serial No. 49,046
4 Claims. (Cl. 105—163)



1. In a canal lining machine which includes a transverse main frame adapted to span the canal, a rigid bolster beam fixed to each end of the main frame, a pair of longitudinally spaced wheel trucks for each bolster beam, a mount for each truck, each mount being a swing frame pivoted at one end on a vertical axis to one end of one of the bolster beams, and one of said wheel trucks being connected with the opposite end of each swing frame, and means mounting the ends of the swing frames to which the wheels are connected for vertical adjustment relative to said trucks.

2,549,955

MAGNESIUM BASE ALLOYS

Alfred Claude Jessup, Edward Frederick Emley, and Philip Andrew Fisher, Clifton Junction, near Manchester, England, assignors to Magnesium Elektron Limited, Clifton Junction, near Manchester, England, a British company

No Drawing. Application January 4, 1949, Serial No. 69,243. In Great Britain January 6, 1948
2 Claims. (Cl. 75—168)

1. A magnesium base alloy, consisting essentially of at least 85% magnesium and at least 0.4% of zirconium and from 0.5% to 4% of rare earth metals of which neodymium constitutes at least 50%, and in which lanthanum and cerium do not exceed 25% together, the balance of the rare earth metals being praseodymium and small quantities of samarium and traces of elements of the yttrium sub-group of rare earth metals.

2,549,956

BOOKKEEPING DEVICE

Arthur J. Bickel, Chicago, Ill., assignor to Accounting Forms, Inc., Chicago, Ill., a corporation of Wisconsin

Application March 5, 1947, Serial No. 732,402
11 Claims. (Cl. 282—29)



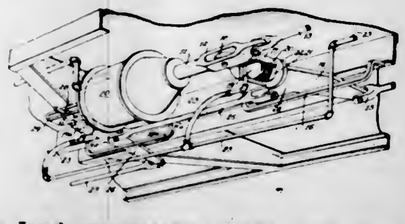
1. A bookkeeping device comprising a posting board, a clamp for removably holding a plurality of superimposed sheets on said board, said clamp including a rockable plate, spring means for holding one margin of said plate against said board, other spring means for holding the other margin of said plate away from said board in tilted position, said plate having a fulcrum edge along said one margin thereof about which said plate may rock, and means engaging the ends of said plate to prevent any but rocking movement with respect to the board.

2,549,957

LOAD COMPENSATING BRAKE ARRANGEMENT

Thomas H. Birch and Alfred Vincent Nystrom, Milwaukee, Wis.; said Nystrom assignor to said Birch

Application August 23, 1948, Serial No. 45,755
4 Claims. (Cl. 188—195)



1. Load compensating brake mechanism for railroad cars comprising, in combination with the brake air supply, a brake cylinder, a live lever and a floating lever pivotally associated with said cylinder and a connecting rod pivotally connected at its ends with intermediate portions of said levers, air cylinders with air actuated pistons constituting portions of said levers, said cylinders being adapted to receive air from said air supply whereby said pistons are extended and the power

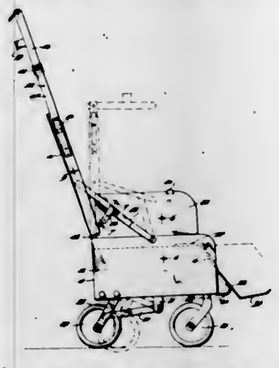
arms of said levers thereby automatically lengthened during brake application, and means whereby said power arms are contracted and restored to normal condition.

2,549,958

COLLAPSIBLE CHILD'S CARRIER AND SEAT

John P. Bosk, Los Angeles, Calif.

Application May 18, 1946, Serial No. 670,665
14 Claims. (Cl. 280—37)



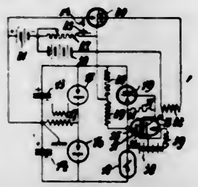
1. A device of the class described comprising a body providing a seat, wheels adapted to support the body foldable beneath the seat, a backrest hingedly mounted upon the body foldable over the seat, a handle, arms slidably mounting the handle upon the backrest, said arms being jointed so as to enable the handle to be folded across the forward edge of the seat and to be fastened to the body to lock the backrest in folded position.

2,549,959

DEVICE FOR CONTROLLING THE TERMINAL VOLTAGE OF A CURRENT LOAD

Hendrik Brugt Gerhard Casimir and Hendrik Nieuwdorp, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application February 7, 1947, Serial No. 727,000
In the Netherlands April 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1964
7 Claims. (Cl. 323—22)



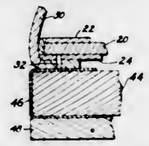
1. Apparatus for stabilizing the voltage across a load supplied from a potential source subject to fluctuations comprising a control electron discharge tube interposed between said load and said potential source and including a grid, a grid bias circuit for said control tube, a governing electron discharge device including an electromagnetic coil for varying current flow therein, said device being connected in said grid bias circuit to vary the bias on said grid in accordance with said current flow, a master electron discharge tube including a control electrode, a constant voltage source connected in series with said master tube across said coil, and means to apply a voltage to said control electrode proportional to the voltage across said load to vary the voltage across said coil and thereby the bias on said grid to an extent effecting compensation for fluctuations in said potential source.

2,549,960

METHOD OF BOTTOMING SHOES

James D. Chandler, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 23, 1946, Serial No. 671,722
2 Claims. (Cl. 12—142)



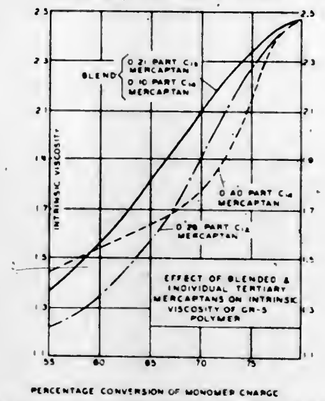
1. That method of making shoes which comprises providing an insole member of last bottom shape, so securing a lining member to the foot-facing surface of the insole member that its margin extends beyond the edge face of the insole member, causing the margin of the lining member to extend outwardly in the plane of the foot-facing surface of the insole member, while the lining member is in said outwardly extending position securing the bottom margin of an upper to the margin only of said lining member with the edge of the upper in predetermined relation to the edge face of the insole member, folding said united margins inwardly around the edge face of the insole member, and attaching them to the outsole-facing surface of the insole member.

2,549,961

USE OF BLENDS OF TERTIARY ALKYL MERCAPTANS IN EMULSION POLYMERIZATION

Willie W. Crouch, Bartlesville, Okla., and Edwin G. Marhofer, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Application February 2, 1945, Serial No. 575,819
1 Claim. (Cl. 260—84.3)



In the manufacture of synthetic rubber by the polymerization of a monomeric material com-

prising a major amount of butadiene and a minor amount of styrene in aqueous emulsion in which a modifier is employed to produce a gel-free polymeric product, the improvement which comprises polymerizing said monomeric material to between 50 and 77 per cent conversion and utilizing as the modifier a blend of tertiary alkyl mercaptans, said blend containing 56 per cent by weight of tertiary C_{12} mercaptans, and 44 per cent by weight of tertiary C_{16} mercaptans, in an amount such that the Mooney viscosity of the resulting polymer is 45 to 55.

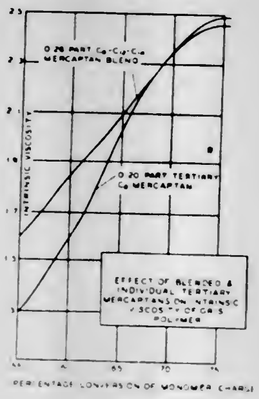
2,549,962

USE OF A BLEND OF TERTIARY ALKYL MERCAPTANS IN EMULSION POLYMERIZATION

Willie W. Crouch, Bartlesville, Okla., and Edwin G. Marhofer, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Original application February 2, 1945, Serial No. 575,819. Divided and this application September 11, 1950, Serial No. 184,278

1 Claim. (Cl. 260—84.3)



In a process for the production of a modified copolymer of butadiene and styrene in an aqueous emulsion, the improvement which comprises the addition as a modifier of a blend of mixtures of isomeric tertiary aliphatic mercaptans of uniform molecular weight, said blend containing substantially the following proportions by weight: one part of a mixture of tertiary octyl mercaptans, two parts of a mixture of tertiary dodecyl mercaptans, and two parts of a mixture of tertiary tetradecyl mercaptans, to the butadiene and styrene prior to polymerization.

2,549,963

ELECTROACOUSTIC TRANSDUCER

Jan de Boer and Gerrit Schenkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application January 11, 1947, Serial No. 721,636

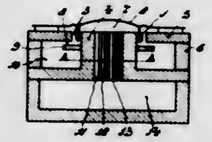
In the Netherlands December 3, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires December 3, 1965

8 Claims. (Cl. 179—115.5)

1. An electrodynamic transducer comprising a magnetic structure defining an air gap and including a center pole, and a vibratory system including a diaphragm and a coil attached thereto and surrounding said center pole within said air gap to define an air cushion between said diaphragm and one end of said center pole, said center pole having a plurality of longitudinal channels therein communicating between said air cushion and an air space at the other end of said pole, whereby said diaphragm is acous-



tically coupled through said air cushion and the air contained within said channels to said air space, the total sectional area of said channels having a value at which the mass of the air in the channels and the air friction of said channels imparts a predetermined acoustic resonance characteristic to said vibratory system.

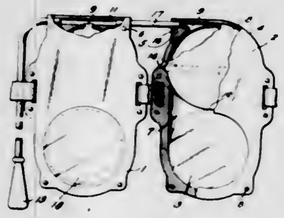
2,549,964

SHUTTER MECHANISM

Robert D. Dening, Long Beach, Calif.

Application September 1, 1945, Serial No. 613,996

7 Claims. (Cl. 2—8)



1. A shutter mechanism for a welder's helmet or goggles comprising, a framing vertically divided into two shallow portions, means for clamping the two portions together, an eye shielding lens fittingly seated within the lower portion of the framing, an inflatable and deflatable member within the upper portion of the framing and operatively connected to the upper edge of the lens, there being recesses formed at the top of the two frame portions to provide a conduit communicating with the said member, and an air hose seatable in said conduit, said hose terminating in a mouthpiece, suction through which causes the member to become deflated and to draw the lens into the upper portion of the framing.

2,549,965

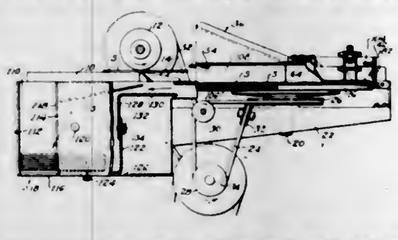
RECEPTACLE

Charles F. Fitzgerald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application November 14, 1946, Serial No. 709,703. Divided and this application November 13, 1948, Serial No. 59,907

5 Claims. (Cl. 271—86)

1. A receptacle for receiving and stacking work pieces as they are projected toward it, said receptacle having converging side walls which are relatively adjustable to vary the effective width of the receptacle and end walls one of which is adjustable toward and away from the other, said adjustable end wall having a flange arranged to



extend away from said other end wall below the level of the upper edge thereof.

2,549,966

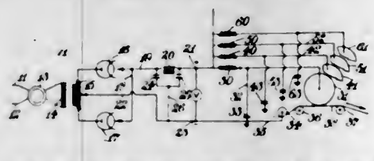
APPARATUS FOR THE MANUFACTURE OF METALIZED PAPER FOR ELECTRIC CONDENSERS

Richard Alfred Grouse, Wandsworth, London, England, assignor, by mesne assignments, to A. H. Hunt Limited, Wandsworth, London, England, a British company (new company)

Application June 26, 1946, Serial No. 679,532

In Great Britain June 29, 1945

7 Claims. (Cl. 219—19)



1. Apparatus for the production of sheet dielectric partially metallised on one face, comprising in combination a dielectric feed-roll, means to guide dielectric from the feed-roll in a predetermined path, a conductor which engages one face of the dielectric in said path, a demetallising contact insulated from the conductor and engaging the same face of the dielectric as that engaged by the conductor, a direct current electric supply connected as to one pole to the said conductor and as to the other pole to the demetallising contact through a current limiting resistance, a branch circuit from the line connecting the demetallising contact and the resistance to the other pole of the circuit, said branch containing a capacitance, the value of the resistance being adequate to extinguish a demetallising discharge between the demetallising contact and the dielectric promptly after its initiation and the capacitance being adequate to store sufficient energy to start a fresh discharge upon contact being resumed between the demetallising contact and a metallised surface on the dielectric.

2,549,967

TOOLHOLDING DEVICE FOR MACHINE TOOLS

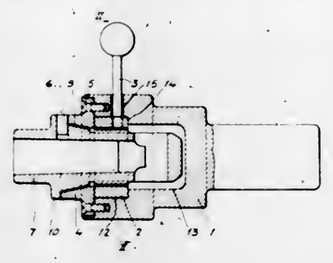
Lars Erik Herbert Gustavsson, Karlskoga, Sweden

Application July 31, 1946, Serial No. 687,319

In Sweden October 27, 1944

6 Claims. (Cl. 279—51)

1. A tool holder for interchangeably securing any one of a plurality of tools in an accurately centered predetermined axial position on a machine tool comprising a body adapted to be fixed to said machine tool, a bore in said body forming an elongated recess, a ring fixed to said body concentric with said bore and having an outwardly flared tapered inner surface, the outer radial edge of said ring forming an abutment, an annular groove in the wall of said bore, an annular clamping member rotatably mounted in said groove, a tool holding adapter receivable in said bore, means on said adapter for securing a tool thereto, a tapered outer surface on said adapter complementary to the tapered inner surface on said ring, a shoulder on said adapter disposed outwardly of the tapered sur-



face, complementary interrupted threads on said adapter and said clamping member whereby said adapter may be inserted axially into said bore and upon partial rotation of said clamping member said adapter will be tightly clamped in position with said tapered surfaces and said shoulder and said abutment in engagement to thereby accurately center and axially position said adapter, a notch in said ring and a projection on said adapter engageable in said notch to prevent relative rotation between said adapter and said body.

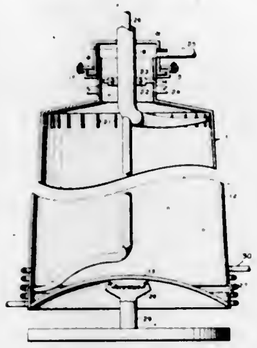
2,549,968

MEANS AND METHOD FOR SELECTIVE LOW-PRESSURE DESORPTION OF LIQUIDS

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application July 30, 1948, Serial No. 41,427

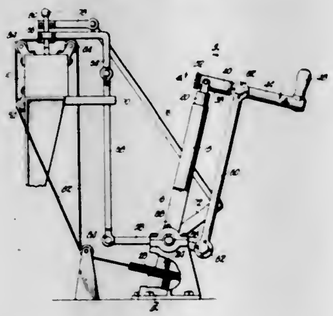
12 Claims. (Cl. 233—13)



1. A method of selective recovery of gases which comprises the steps of passing a gas rich absorption liquid, which is maintained under high pressure, from an absorption zone through a progressively restricted constriction zone; discharging said liquid outwardly against the periphery of a rotating, low-pressure, centrifuge desorption

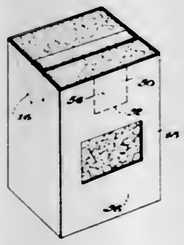
zone, whereby the pressure-head of the liquid is converted into velocity-head and at least a portion of said absorbed gaseous material is released from said absorption liquid; removing resulting denuded liquid from the periphery of said centrifuge zone; passing said liquid in a helical path inwardly through a progressively enlarged collection zone toward the axis of said desorption zone, wherein said velocity-head is converted to pressure-head; and removing said released gaseous material from said centrifuge zone.

2,549,969
MANUAL CONTROL DEVICE
Bernard H. Hesemann, Orleans, Nebr.
Application October 13, 1947, Serial No. 779,533
16 Claims. (Cl. 74—471)



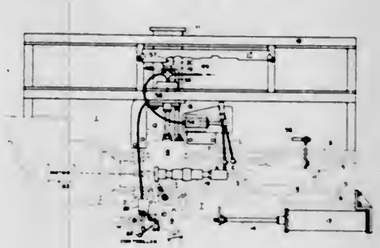
1. In combination with a plurality of devices to be controlled, a pivotal lever, mechanism connecting the lever to one of said devices and actuated by a movement of the lever about its pivot for operating said one device, a second lever pivoted to said first lever at a point removed from said first lever's pivot, mechanism connecting the second lever to a second one of said devices, said last mechanism actuated by a movement of said second lever about its pivot relative to said first lever for operating said second device, and yieldable means resisting movement of said second lever away from a predetermined position.

2,549,970
PACKAGE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 27, 1946, Serial No. 657,374
1 Claim. (Cl. 229—14)



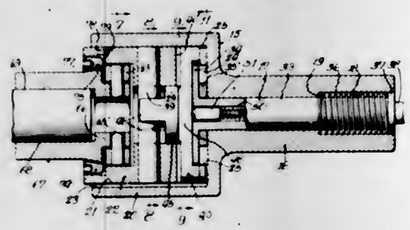
A package comprising a sleeve rectangular in shape and of a stiff material forming a flapless jacket open at its top and its bottom, a container of transparent flexible material of a height substantially equal to the length of said jacket, said container being sealed at one end to provide a bottom closure located at the open bottom end of the jacket and lying entirely within the bounds of the jacket, said container having a folded top closure located at the open top end of the jacket and lying entirely within the bounds of the same, said last-named closure comprising a transverse fold terminating in tabs extending laterally of and for a substantial distance beyond two opposite sides of the container, said tabs being folded down against said opposite sides of the container so that each tab lies between one of two opposed walls of the jacket and one of said sides of the container, said container being loosely fitted within said jacket and free from attachment to the walls thereof with the exception of a small bonding area of adhesive between the jacket and the container, said adhesive providing a temporary frangible anchorage to hold the container and its tabs within the jacket with the tabs in folded down closure-forming relation to the container and to prevent accidental shifting of the container in either direction longitudinally of the open-ended jacket during handling or shipment, said adhesive anchorage being readily breakable by manual pressure applied to the bottom of the container through the open bottom end of the jacket, so that the container can be slid upwardly in the jacket to a position to expose the tabs above the upper open end of the jacket to thus permit the top closure to be readily opened.

2,549,971
CONTROL SYSTEM
Clarence Johnson, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application July 2, 1945, Serial No. 602,837
14 Claims. (Cl. 82—14)



1. In combination with a lathe having a rotatable work holder for holding a workpiece, a tool holder, power means for moving said tool holder through a cycle of operation relative to said work holder, tracer means and pattern means for controlling said power means and governing the movement of the tool holder through a part of the said cycle, said tracer means variably discharging air to atmosphere from a substantially constant pressure source in accordance with the form of said pattern means to thereby produce corresponding variations in pressure, first pressure means responsive to said variations in pressure for controlling said power means and guiding the tool holder through said part of said cycle, said pattern means having a withdrawal portion, said tracer means upon scanning said withdrawal portion governing said pressure responsive means and said power means to withdraw the tool holder away from said workpiece, and decontrol means, said decontrol means comprising air valve means having a valve actuating means, said air valve means and valve actuating means being movable with said tool holder, abutment means, said valve actuating means being positioned to contact said abutment means upon movement of the valve actuating means in response to said withdrawal movement of the tool holder, said air valve means passing air under pressure therethrough when said actuating means is actuated, disconnector means to disconnect said power means from control by said first pressure responsive means, and second pressure means responsive to air pressure passing through said air valve means for operating said disconnector means to remove the said power means from control of the first pressure responsive means for the remainder of the cycle.

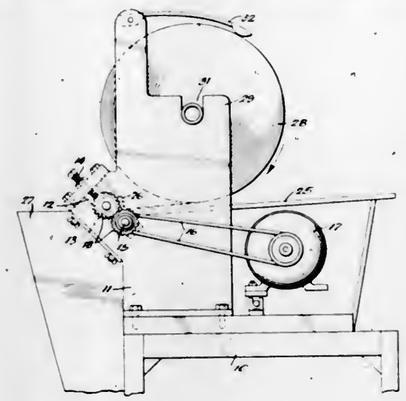
2,549,972
RELEASABLE AND REVERSIBLE FLOATING TOOLHOLDER
Thomas R. Jones, Chicago, Ill., assignor of one-fifth to John P. Smith, Oak Park, Ill.
Application July 9, 1945, Serial No. 603,928
4 Claims. (Cl. 10—89)



1. A clutch mechanism for a tool holder comprising a cylindrical drive member having a longitudinal bore and an enlarged circular recess at one end thereof, a complementary intermittently driven clutch member mounted telescopically within said drive member, a compression spring mounted in one of said members for yieldingly holding said members together, driving lugs carried by said drive member, a transversely extending pawl member pivoted on and movable longitudinally with respect to said intermittently driven member, pawls formed on the outer ends of said pawl member and engageable with said lugs, a transverse pin carried by said intermittently driven clutch member, said pawl member having a V-shaped recess normally contacting said pin, a spring pressed plunger mounted in said intermittently driven clutch member and engageable with said pawl member for actuating said pawl member in a direction away from said lugs, a second pawl mounted on said intermittently driven clutch member and engageable with said drive member, and means carried by said driven member for supporting a tool on said intermittently driven clutch member.

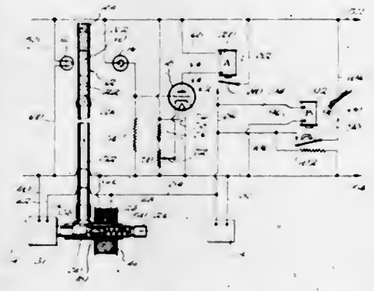
2,549,973
PAPER SHREDDING APPARATUS
Matthew J. Klein, Maywood, Ill.
Application April 19, 1950, Serial No. 156,892
3 Claims. (Cl. 164—84.5)

1. Paper shredding apparatus comprising a pair of rollers mounted for rotation on parallel axes, means to drive the rollers in opposite directions, the rollers being formed with series of circumferential projections terminating in smooth rounded outer edges and being mounted with the projections in spaced overlapping relation, the surface



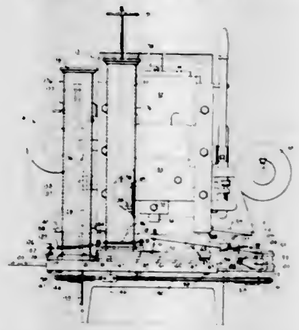
of at least one of the rollers being formed of rubber-like material.

2,549,974
GAS DETECTION APPARATUS
Charles W. Klug, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 19, 1948, Serial No. 28,032
3 Claims. (Cl. 23—255)



2. An apparatus for detecting the presence of a gas constituent in a medium by the use of a substance in gas permeable form, which undergoes a photocharacteristic change in the presence of said gas, said apparatus comprising: a light transmitting container constructed to support said substance for passage of gas therethrough, a conduit connected to said container having two openings at one end thereof, a tube for conducting the medium to be tested to the container connected to one of said openings, a source of restoring gas including an outlet tube connected to the other of said openings, a valve so arranged that when in a first position it closes the opening connected to the source of restoring gas and when in a second position it closes the opening connected to the tube for conducting the medium to be tested, a lamp and a photoelectric cell arranged to receive light from the lamp through the container, and electrical valve shifting means operated by said photoelectric cell to shift said valve.

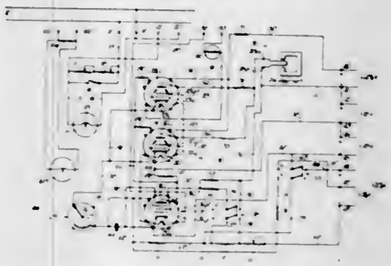
2,549,975
FEED MECHANISM
Elmer T. Knitter, Cleveland, Ohio
Application June 12, 1948, Serial No. 32,689
2 Claims. (Cl. 214—6)



1. In a feed mechanism for stamping machines and the like, a base; a horizontally disposed feeder plate mounted on said base for rotation about a vertical axis, said feeder plate being provided at uniform distances from said axis with a plurality of uniformly spaced-apart apertures for receiving articles to be fed, whereby said apertures will travel along the same circular path during rotation of said feeder plate; a first magazine element defining a cylindrical chamber open at both ends for holding a supply of disk-shaped articles in axial alignment therein, said first magazine being mounted with its cylindrical axis vertically disposed and aligned with a first location along said circular path for dropping one of said articles into each of said apertures passing thereunder without altering the orientation of the articles; a second magazine identical with the first in the respects defined, said second magazine being mounted on said base with its cylindrical axis vertically disposed; a track extending from a point directly below a second location along said circular path to a third location directly below said second magazine; actuating means for rotating said feeder plate about its axis; and means responsive to operation of said actuating means each time a pocket reaches said second location for moving an article from that pocket onto and along said track to said third location, said track being provided with an upwardly sloping ramp disposed below said second magazine adjacent said third location for causing each article moved along the track to rise upwardly into said second magazine as the leading edge of that article moves under other articles in said second magazine.

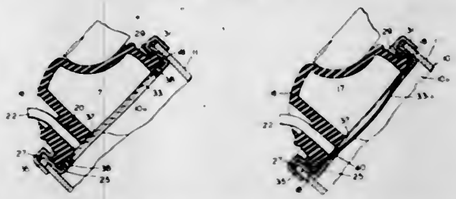
2,549,976
FLICKER VOLTAGE AND CURRENT MEASURING AND RECORDING APPARATUS
Victor H. Kraybill, Hollywood, Ill.
Application January 11, 1946, Serial No. 640,600
8 Claims. (Cl. 346—33)

2. In flicker voltage measuring apparatus, the combination of an incandescent lamp adapted to be connected to the circuit to be measured, a photoelectric cell adapted to respond to variations in the light emitted by said incandescent lamp, a pentode tube responsive to the difference of output of said photoelectric cell between normal voltage and abnormal voltage on said circuit, a pair of tetrode tubes receiving the difference of output of said pentode tube, a direct current source for supplying the anode circuits and the grid bias voltages of said tubes, means for adjusting the grid bias voltage on said pentode tube, and an



oscillograph responsive to the output of said tetrode tubes.

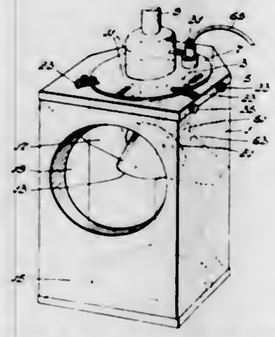
2,549,977
DISPENSING CLOSURE FOR POWDER CONTAINER, HAVING A WALL DEPRESSIBLE TO EFFECT PNEUMATIC DISCHARGE OF CONTAINER CONTENTS
Leo R. Kundtz, Lakewood, and Arthur J. Frey, Jr., Rocky River, Ohio, assignors to Products Packaging, Inc., a corporation of Ohio
Application September 28, 1946, Serial No. 699,966
15 Claims. (Cl. 222—193)



1. A dispensing closure structure for a powder container, said closure structure comprising a closure means provided with an air chamber having a flexible wall portion which, upon depression thereof, effects the expulsion of air from said chamber, means for connecting said closure means to a powder container, said closure structure having a passageway therethrough in spaced relation to said air chamber for the discharge of powder, the closure structure when connected to the powder container having the inlet end of its powder discharge passageway in open communication at all times with the interior of the powder container, and a flexible element having one portion thereof underlying said chamber and serving as a partition to separate said chamber from the interior of the powder container, said flexible element being effective upon depression of said flexible chamber wall portion to increase the air pressure within the interior of the powder container, said flexible element having another portion thereof underlying that part of the closure structure in the space between said air chamber and said discharge passageway, the last mentioned portion of said flexible element providing thereabove, upon the depression of said flexible chamber wall portion, a direct passageway for air from the air chamber to the inlet end of said discharge passageway.

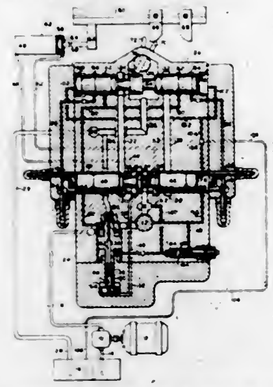
3. A dispensing closure structure for a powder container, said closure structure comprising a closure means provided with an air chamber having a flexible wall portion which, upon depression thereof, effects the expulsion of air from said chamber, means for connecting said closure means to a powder container, said closure structure having a passageway therethrough in spaced relation to said air chamber for the discharge of powder, the closure structure when connected to the powder container having the inlet end of its powder discharge passageway in communication with the interior of the powder container, and a flexible foraminous element having a portion thereof underlying said chamber and serving as a partition to separate said chamber from the interior of the powder container, said element being effective upon depression of said chamber wall portion to permit the flow of air downwardly from such chamber into the interior of said powder container to thereby increase the air pressure in the interior of such container, said flexible foraminous element having another portion thereof underlying that part of the closure structure in the space between said air chamber and said discharge passageway, the last mentioned portion of said flexible element providing thereabove, upon the depression of the flexible chamber wall portion, a direct passageway for air from the air chamber to the inlet end of said discharge passageway.

2,549,978
SCHMIDT TELEVISION PROJECTOR HOUSING HAVING OBJECT SURFACE ADJUSTABILITY IN THREE MUTUALLY PERPENDICULAR DIRECTIONS
Jan Kuperus and Pieter Martinus van Alphen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 11, 1947, Serial No. 721,650
In the Netherlands November 21, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 21, 1965
4 Claims. (Cl. 177—319)



4. For use in a projection type television receiver which comprises a reflecting optical projecting system having a concave image projecting mirror, with said mirror having an optical axis and a substantially spherical object surface, and a cathode ray tube having a substantially spherical image screen of rational symmetry of substantially the same curvature as said object surface and having an axis substantially coincident with the axis of symmetry of said screen; an adjusting device for the tube comprising a housing adapted to support said mirror, a substantially planar member slideably supported in the plane thereof on said housing and adapted to hold said tube with said screen in the neighborhood of said object surface and with the plane of said member normal to said tube axis, said member having a main axis at right angles to the said plane thereof and adapted to coincide with said tube axis, first and second studs on said housing supported thereby to be movable each in a given line in the plane of said plate, passing substantially through said axis thereof, said lines being normal to each other, a third stud on said housing supported thereby to move in a line in said plane of said plate distant from said axis thereof, said member having two arcuate slots substantially concentric with said axis and the sides of which closely engage respectively said first and second studs and being disposed substantially at right angles with respect to said axis, a longitudinal slot having its length disposed along a line passing substantially through said first two studs and said axis and closely engaging said third stud, whereby said plate may be slideably moved to bring the screen of the tube which may be mounted thereon and the object surface of the mirror into substantially coincidence and whereby the screen of the tube which may be mounted on said plate may be rotated about its axis.

2,549,979
POWER TRANSMISSION
Albert M. Lane, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 30, 1946, Serial No. 658,483
15 Claims. (Cl. 60—52)

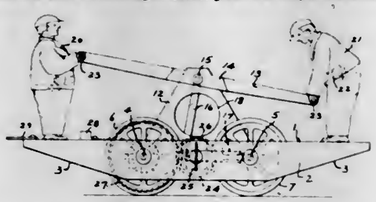


3. A flow control device for a hydraulic transmission including a throttle in combination with a pressure actuated compensating valve for maintaining a constant pressure drop across the throttle, and auxiliary pressure actuated means for modifying the action of the compensating valve during a part of the cycle and changing the flow rate through the throttle, said auxiliary means being actuated by fluid pressure from that portion of the circuit in which the flow rate is to be changed during that part of the cycle.

2,549,980
TOY HANDCAR
Henry Machesney, Brentwood, Pa.
Application February 26, 1949, Serial No. 78,549
1 Claim. (Cl. 46—107)

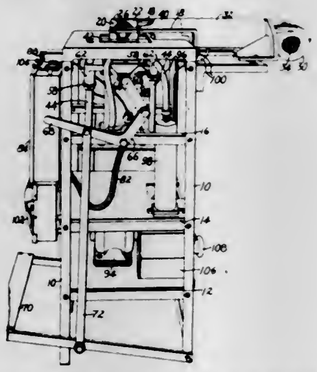
A toy hand car of the class described, comprising the combination of a platform frame, a pair of spaced shafts journaled for rotation in said frame, one of said shafts being formed with a

centrally disposed crankshaft, a wheel fixed on each end of said shafts, a hollow standard secured on the center of said frame and tapering toward the upper end thereof, a rocking beam including a looped rectangularly-shaped center portion, said center portion surrounding the reduced upper end of said standard, a transversely extending rocking rod pivotally engaged in said standard and having the ends thereof fixed in the center of respective sides of said looped center portion to allow the seesaw oscillating movement of said rocking beam, a rocker arm having its upper end fixed to said rod and depending through said standard and through said platform, a connecting



bar pivotally connected with the lower end of said arm below said platform and with said crankshaft, and a pair of manikin figures including arms mounted on said frame and being pivotally joined with respective ends of said rocking beam, the upper portions of said manikin figures being pivotally connected with respective lower portions thereof, the arm extensions of one of said upper portions varying from the arm extensions of the other of said upper portions to vary the movements of said upper portions with respect to each other.

2,549,981
DOUBLE ACTIVATION WITH CONDITIONING FOR SOLE ATTACHING
Mieth Maeser, Beverly, and Ralph E. Hobbs, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 27, 1949, Serial No. 117,966
10 Claims. (Cl. 12—1)



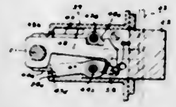
4. Apparatus for conditioning a sole and simultaneously activating adhesive on said sole and a shoe bottom, comprising a conditioning chamber, means for generating warm vapor in said chamber, a perforate sole support for exposing the sole to the vapor in the chamber, a heating unit adjacent said chamber having opposite surfaces respectively adaptable to conform with said sole and shoe bottom, and means for relatively moving the sole support and heating unit together and apart whereby sole tempering may be effected during two-way activation by said unit.

2,549,982
DIAPER PANTS AND PAD FOR SAME
Charles F. McKhann, Bratenahl, and George A. Bricmont, Berea, Ohio, assignors to Diapette, Inc., Bratenahl, Ohio, a corporation of Ohio
Application November 17, 1948, Serial No. 60,482
1 Claim. (Cl. 128—290)



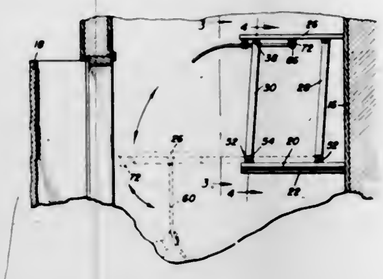
A pad for use in diaper pants comprising absorbent material of a length adapted to pass through the crotch of a wearer and to extend partly up the front and back of the wearer, a cloth wrapping about said absorbent material, and said wrapping compressing said material to a greater degree in the midportion of said pad than at the ends thereof.

2,549,983
DEADLOCKING LATCH
Edward M. Miller, Kent, Ohio, assignor to The C. L. Gougler Machine Company, Kent, Ohio, a corporation of Ohio
Application March 11, 1948, Serial No. 14,342
2 Claims. (Cl. 292—167)



1. A dead locking night latch mechanism for a latch bolt which is spring-biased forwardly to seat in a keeper aperture in a door jamb, said mechanism comprising a housing, a bolt retractor link having a lost motion connection with said bolt including a post connected with said bolt and a recess in said link embracing said post and wider than the diameter of said post, a dog pivotally carried on said bolt and having a free end biased to swing away from said bolt into a bolt blocking position engaging a portion of said housing whereby to prevent rearward retraction of said bolt, a dead locking lever slidably movable forwardly and rearwardly on said bolt but normally spring biased forwardly, said lever when in forward position being in engagement with said dog and effective upon said dog to prevent said dog from assuming bolt-blocking position, said dead locking lever being disposed to operatively abut the edge of said keeper aperture when said bolt enters said keeper aperture whereby to move said lever rearwardly upon and relative to said bolt, and out of engagement with said dog to thereby permit the dog to block forcible retraction of said bolt, said retractor link and said dog lying adjacent each other and having complementary edge face portions of cam-like character disposed to be brought into operative contact with each other while said link is being rearwardly retracted to take up said lost motion, said operative contact and continued rearward movement of said link relative to said bolt causing said dog to be swung inwardly from bolt-blocking position.

2,549,984
MOVABLE SHELF
Harold J. Miller, Detroit, Mich.
Application February 9, 1948, Serial No. 7,201
1 Claim. (Cl. 211—93)



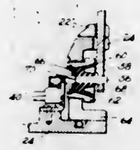
In a structure having side walls and a rear wall, a stationary shelf secured to the side walls and abutting the rear wall, a movable shelf located above the stationary shelf, a first pair of substantially vertical arms terminally pivoted adjacent the rear edges of said shelves, a second pair of substantially vertical arms terminally pivoted adjacent the front edges of said shelves, said first pair being staggered relative to said second pair, all of said arms being rearwardly inclined when said movable shelf abuts the rear wall, an actuating lever pivoted to said movable shelf for moving the latter downwardly and in front of the stationary shelf, and a keeper carried by said movable shelf for releasably retaining said lever.

2,549,985
LAMINATED SHOE UPPER
James B. Normington, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 20, 1946, Serial No. 671,009
5 Claims. (Cl. 154—46)



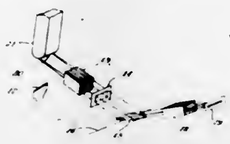
1. As an article of manufacture, a shoe upper comprising a laminated sheet of flexible tanned leather having a finished grain-leather surface on its outer side and a plastic surface on its inner side, said plastic surface being composed of a relatively thin layer of a vinyl chloride-vinyl acetate copolymer permanently bonded to the unfinished flesh surface of the leather sheet by the adhesive character of the plastic material itself, and said plastic surface being embossed at least half way through the thickness of the plastic layer to produce an ornamental design thereon which extends between the edges of the upper and simulates fabric material but is stronger and less stretchable than fabric material, said embossing serving to improve ventilation by relieving and decreasing the area of the plastic surface thereof which engages the foot.

2,549,986
MEANS FOR TRANSMITTING MECHANICAL MOTION THROUGH A FLUIDTIGHT WALL
John R. Oliver, Springfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application January 20, 1945, Serial No. 573,799. Divided and this application December 8, 1947, Serial No. 790,362
3 Claims. (Cl. 74—519)



1. Means for transmitting mechanical motion through a fluid-tight wall comprising a motion transmitting member extending through an opening in said wall, means sealing said opening against fluid under pressure including a flexible plug surrounding said member and constructed and arranged to accommodate motion transmitting movement thereof, an abutment for said plug fixed relatively to said wall, and a projection on said motion transmitting member so constructed and arranged that external pressure against said member causes the projection and the abutment to cooperate to hold said member against motion transmitting movement.

2,549,987
X-RAY DIFFRACTION METHOD
William Parrish, Hastings, and Edward A. Hamacher, Irvington, N. Y., assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y.
Application March 27, 1948, Serial No. 17,398
6 Claims. (Cl. 250—52)



1. A method of analyzing a crystalline material comprising the steps of generating a beam of X-radiation from a line source of X-radiation of given intensity, rotating a specimen of crystalline material about a given axis passing through the specimen and parallel to the line source of radiation, limiting the divergence of said beam in a plane containing the axis of rotation of the specimen to produce a virtual point source of radiation of like intensity as said line source of radiation, impinging the beam of limited divergence onto the specimen while rotating the specimen to obtain a reflected beam of radiation therefrom at a given angle of reflection with a plane perpendicular to the surface of the specimen, limiting the divergence of the reflected beam in the plane containing the axis of rotation, and detecting the reflected beam of radiation.

2,549,988
MANUFACTURE OF ORGANIC FLUORINE COMPOUNDS

Melvin A. Perkins, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission

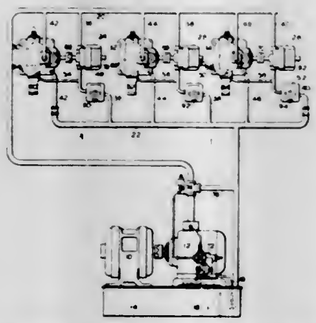
No Drawing. Application January 30, 1945, Serial No. 575,351
16 Claims. (Cl. 260—653)

1. The method of making a highly fluorinated compound which comprises reacting at a temperature below 200° C. and at about normal atmospheric pressure a halogenated aliphatic hydrocarbon selected from the group consisting of halogenated heptanes, heptenes, octanes and octenes in which at least half but not all of the hydrogen content has been replaced by fluorine and chlorine and which contains at least 3 atoms of chlorine per molecule with from 0.375 to 0.60 mol of a fluorinating agent of the group consisting of antimony and arsenic pentafluorides for each gram-atom of chlorine contained in said halogenated hydrocarbon to effect partial replacement of chlorine atoms by fluorine atoms, separating a less completely fluorinated fraction from the more completely fluorinated product and from inorganic salts, reacting the less completely fluorinated fraction with an additional quantity of said fluorinating agent at a temperature below 200° C., separating the more completely fluorinated product from the products of said second reaction, separating from the more completely fluorinated products by fractional distillation a chlorine-free fluorine compound and a monochloro fluorine compound and heating vapors of one of said compounds in a temperature range running from 150° C. to 350° C. with a fluorinating agent selected from the group consisting of CoF_3, AgF_2 and MnF_3, which is capable of replacing residual hydrogen to form a stable hydrogen-free organic fluoride.

2,549,989
CONSTANT PRESSURE MULTIPLE MOTOR HYDRAULIC POWER TRANSMISSION SYSTEM

Paul Simonds, Shaker Heights, Ohio, assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application September 21, 1946, Serial No. 698,450
12 Claims. (Cl. 60—53)

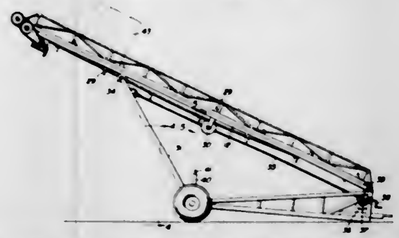


8. A hydraulic transmission employing multiple, constant speed, hydraulic power drives connected in parallel to pressure and return conduits from a variable volume, constant pressure, fluid supply source, each drive comprising two motors mechanically coupled in unison to a load device and hydraulically connected in parallel to the pressure and return lines, a flow control device connected in series with one of the motors, and pressure actuated means responsive to the pressure drop across that motor for controlling the output torque of the other motor and maintaining constant speed.

2,549,990
LOADING ELEVATOR FOR BALES, CRATES, AND THE LIKE

Edgar H. Skelton, Blackwell, Okla.

Application November 25, 1947, Serial No. 787,991
1 Claim. (Cl. 198—233)



A portable loading elevator comprising a two-wheel trailer including an axle and a frame extending forwardly therefrom, an endless conveyor including a frame pivoted at its front end to the front end of the trailer frame and having recesses at its underside, props rising from the axle and supporting the conveyor frame in its lowered position, upstanding pins on the upper ends of the props and adapted to enter said recesses to hold the frame laterally centered on the axle when the frame is lowered and means carried entirely by the trailer for vertically adjusting the free end of the conveyor.

2,549,991
METHOD OF PREPARING THIOSTEROLS

Jan Strating, Groningen, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

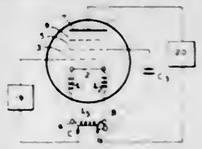
No Drawing. Application April 11, 1950, Serial No. 155,359. In the Netherlands April 14, 1949
8 Claims. (Cl. 260—397.2)

1. A process for the preparation of a thiosterol which comprises subjecting a sterol rhodanide to the action of lithium aluminium hydride.

2,549,992
AMPLIFYING SYSTEM FOR ULTRA HIGH FREQUENCIES

Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 1, 1946, Serial No. 666,245
In the Netherlands July 31, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 31, 1961
3 Claims. (Cl. 179—171)



1. A circuit arrangement for the amplification of high frequencies, comprising an electron discharge tube provided with a cathode having two external terminals, a signal input grid and an anode, the cathode having leads comprising inductance elements connected to each of its external terminals, input and output circuits connected respectively to the input grid and to the anode, one of said inductance elements having an inductance value larger than is necessary to produce a desired regenerative effect on the input circuit of said tube, an inductance component connected between said cathode terminals, said inductance component having a tapping and an adjustable tapping thereon to provide an inductance value at which the desired regeneration effect is produced, the grid return of the input circuit being connected to one of the tappings on said inductance components, and the anode return of the output circuit being connected to the other tapping of said inductance component.

2,549,993
BREECHBLOCK FOR EXPLOSIVELY ACTUATED FASTENING TOOLS

Stanley A. Temple, Lakewood, Ohio, assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 19, 1946, Serial No. 684,935
1 Claim. (Cl. 1—47)



In a tool of the character described, a barrel having a bore for guiding the projectile, said barrel having a counterbore adapted to receive a flange on a projectile, a breech block of uniform external diameter slidably mounted in said counterbore for engagement with said flange, said breech block having a central bore for the reception of a flanged blank cartridge and being counterbored at both ends for the reception of the cartridge flange, whereby said breech block may be inserted either end first, backing means for the outer end of said breech block, and means for firing said cartridge.

2,549,994
PRODUCTION OF FERROMANGANESE

Marvin J. Udy, Niagara Falls, N. Y.

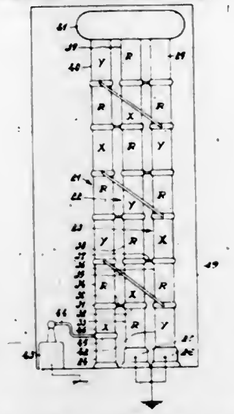
No Drawing. Application August 11, 1948, Serial No. 43,771
5 Claims. (Cl. 75—11)

4. The method of producing ferromanganese which comprises subjecting a charge comprising iron oxide, manganese oxide, lime and silica to a sintering treatment at a temperature in the range 1100° C. to 1350° C. under reducing conditions and producing a high-temperature sintered product containing a portion of the iron of the iron oxide in the metallic state, subjecting the high-temperature sintered product to a reducing treatment in an open arc electric furnace and forming a molten bath comprising molten slag and molten ferromanganese, and separating the molten slag and the molten ferromanganese, lime and silica being employed in the charge in a molecular ratio in the range 0.8 to 1.5 molecules of CaO to 1.0 molecule of SiO_2.

2,549,995
VOLTAGE MULTIPLIER

Adrianus Cornelis van Dorsten, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 3, 1948, Serial No. 42,282
In the Netherlands August 27, 1927
4 Claims. (Cl. 321—15)

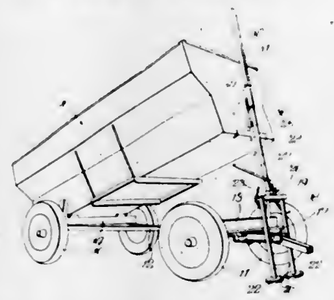


1. An electric voltage multiplier constituted by elements which are assembled to form three parallel columns and which are electrically connected therein in cascade, said elements being constituted by condensers and rectifiers which are connected in cascade by mutual connections of the columns, characterized in that the elements of each column are constituted by alternately a condenser and a rectifier and that the connections between the columns which at each instance lead from the upper extremity of a rectifier in one column to the upper extremity of a rectifier in the subsequent column, complete the cascade connection of all the rectifiers.

2,549,996
WAGON BOX ELEVATING AND TILTING DEVICE

Clark F. Walsh, Charles City, Iowa

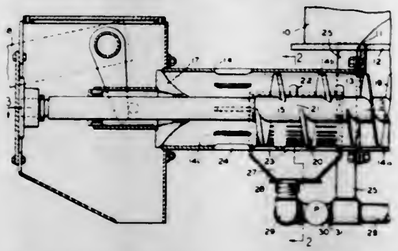
Application September 16, 1947, Serial No. 774,223
1 Claim. (Cl. 254—134)



A lifting mechanism for lifting and tilting a wagon box comprising an arched frame, a lifting jack mounted on said frame having an extensible member associated therewith, a telescoping sleeve embracing said last named member and secured to the upper end thereof, a vertically extending steel strap secured to one side of said sleeve and having a plurality of vertically spaced apart apertures therein, a ring member embracing said

sleeve, a pin secured to said ring and adapted to engage any one of the apertures in said strap, a hook member carried by said ring and engageable with one end of said box, and a hand operated lever located adjacent said arched frame and operatively related to said lifting jack for raising said wagon box.

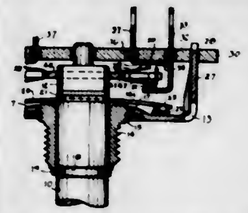
2,549,997
PLUG SEAL FOR SOLVENT EXTRACTION COLUMNS
Carl W. Zies, Lakewood, and Frederick W. Weigel, Fairview Village, Ohio, assignors to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application December 9, 1948, Serial No. 64,268
3 Claims. (Cl. 23—270)



1. Extraction apparatus, comprising in combination a chambered, cylindrical, upright extracting tower having a bottom floor provided with a discharge opening, a cylindrical barrel horizontally disposed beneath said floor and provided with an imperforate feeding section, means providing a discharge path between said discharge opening and said feeding section, a portion of said barrel adjoining said feed section constituting an expressing section, the cylindrical wall of said expressing section being provided with perforations to permit liquid escape therethrough, another portion of said barrel constituting a plug-forming section and being disposed adjacent said expressing section and remote from said feeding section, there being means for continuously advancing solid material through said sections in the order mentioned, consisting of a rotatable shaft extending through said barrel and provided with a continuous multiple-turn feeding screw within said feeding section and an expressing worm having a plurality of longitudinally spaced worm flights within said expressing section, the cylindrical barrel wall surrounding said plug-forming section being imperforate, a yielding choke being provided at the end of said plug-forming section remote from said expressing section, jacket means constituting an expressed liquid collecting housing surrounding the perforate portion of the expressing section of said barrel, and liquid transfer means communicating with said housing and with said tower for returning expressed liquid to said tower.

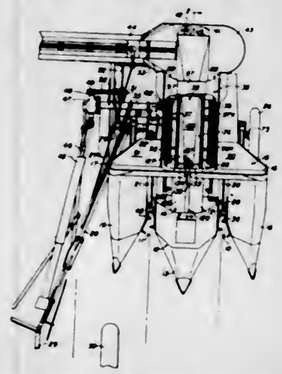
2,549,998
ELECTRIC SWITCH CONSTRUCTION
Kenneth C. Allison, Crystal Lake, Ill., assignor to Grigsby-Allison Co. Inc., Chicago, Ill., a corporation of Illinois
Application December 6, 1945, Serial No. 633,153
6 Claims. (Cl. 200—11)

1. An electric switch comprising a stationary member, a shaft mounted for rotation about a fixed axis and in central perpendicular relation to the general plane of said stationary member, a rotor mounted for rotation with said shaft, radially extending notches provided in the periphery of the rotor, each notch having a U-shaped resilient contact member trapped therein to secure said contact member against movement relative to said notch in directions radially



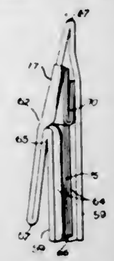
of the shaft, said U-shaped contact member providing axially aligned contact arms in radial relation to said shaft and diverging in a direction away from said shaft, and axially spaced pairs of rigid contact arms on said stationary member presenting inwardly opposed surfaces with which said rotor contacts are slidably engageable.

2,549,999
CORN HARVESTER HAVING DETACHABLE HUSKING MEANS
Norman F. Andrews, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application November 20, 1944, Serial No. 564,292. Divided and this application December 29, 1947, Serial No. 794,375
7 Claims. (Cl. 56—106)



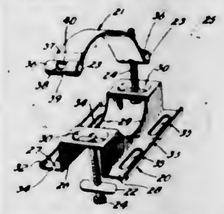
4. In a machine of the class described: a frame adapted to be carried for travel forwardly over a field, and including a support arranged transversely as respects the line of travel, and further including a pair of forwardly extending arms transversely spaced on and fixed to the support; tie structure extending transversely between and interconnecting forward portions of the arms so that said tie structure is spaced longitudinally ahead of the transverse support; a crop-treating unit extending longitudinally of the frame and having forward and rear ends respectively proximate to the tie structure and the support; and front and rear connecting means respectively at the front and rear ends of the unit for supporting the unit on the frame, said front means having slot means receiving a portion of the tie structure, and said rear means including connectible and disconnectible cooperative parts respectively on the unit and the support for normally securing the unit against displacement relative to the frame and against displacement of the slot means relative to the tie structure.

2,550,000
BAG STRUCTURE AND PROCESS OF MANUFACTURE
Charles V. Brady, St. Louis, and Russell J. Williams, Richmond Heights, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Original application November 1, 1943, Serial No. 508,534. Divided and this application October 15, 1945, Serial No. 622,268
6 Claims. (Cl. 229—57)



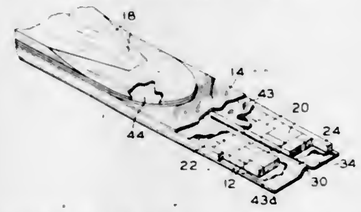
1. A method of making a flat bag comprising pasting together flat front and rear walls by means of flat side and flat bottom seams having continuous junctures, spreading the resulting pocket from the inside to form stretched substantially flat sides and a stretched substantially flat closed bottom from which extend said flat seams respectively, said bottom as a result having extending endwise tabs containing said junctures, folding the bottom seam against the bottom and the tabs against the sides respectively, forming inwardly angled gussets in the sides with the side seams joined to the inner angles of the gussets and sandwiched therein and with said folded tabs anchored in the gussets to hold the bottom seam in place against the bottom, and arranging the parts of the plane of the bottom which are on opposite sides of the bottom seam to assume positions substantially flatwise with respect to the plane of the bag.

2,550,001
ADJUSTABLE CLAMP
Fred L. Button, North Bergen, N. J., assignor of one-third to Charles A. Morton, Baldwin, and one-third to Lee Coyne, Rockville Centre, N. Y.
Application December 10, 1948, Serial No. 64,559
4 Claims. (Cl. 248—74)



1. In an adjustable pipe clamp and in combination a load supporting bracket having an arc shaped saddle portion adapted to engage a section of pipe, a resilient strap having pockets formed at its opposite ends, internally threaded nuts removably pivotably mounted in said pockets, each pocket having oppositely disposed slotted openings formed in the wall thereof for accommodating the threaded opening in the nut to the threaded stem of a complementary screw fastener, said bracket having spaced through openings formed therein for accommodating fastening devices, some of said bracket openings being slotted to permit space adjustment between load carrying fastening devices adapted to be secured therein, screw fasteners passing through certain of said bracket-openings and through said pocket openings and screwing into said nuts to draw said strap into clamping position on a pipe, said screw fasteners being angularly movable in their bracket-openings, to accommodate themselves to the girth of the pipe, and said nuts pivoting in said pockets to accommodate themselves to any angular movement of their complementary screw fasteners.

2,550,002
LAMINATED SKI
Harry Chorney, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 29, 1947, Serial No. 764,349
1 Claim. (Cl. 280—11.13)



A laminated ski having a core sheet including a central portion of low density material, portions of high density material at opposite ends thereof and side strips of high density material extending between said end portions, said core sheet varying in thickness between its ends to provide the desired variation in thickness of the ski, upper and lower facing sheets of high density material secured to said core sheet, a foot pad having a coefficient of expansion different from that of said facing sheets mounted on the top surface of said upper facing sheet, and a layer of resilient material interposed between the confronting surfaces of said pad and the adjacent facing sheet and adhesively bonded to both surfaces by a thermo-setting adhesive.

2,550,003
COPOLYMERIZATION OF ORGANO-SILOXANES
William Herbert Daudt, Midland, Mich., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Original application March 30, 1943, Serial No. 481,152. Divided and this application April 15, 1949, Serial No. 87,841
4 Claims. (Cl. 260—448.2)

1. The method of interacting an organo-siloxane whose structural units correspond substantially to the formula R_2SiO with a siloxane whose structural units are selected from the group consisting of mono-organosiliconic acids wherein the organic radical is a monovalent hydrocarbon radical and siloxane units of the formula R'_2SiO where R and R' are monovalent hydrocarbon radicals attached to the silicon through carbon-silicon linkages, the structural units of said

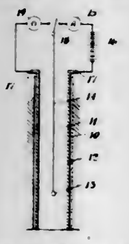
siloxane being linked through the oxygen atoms thereof, said organo-siloxanes being soluble in a common solvent and at least one of said organo-siloxanes being completely dehydrated, which method comprises contacting a mixture of said organo-siloxanes in a homogeneous liquid phase with a strong acid under reaction conditions to effect interaction of said siloxanes.

2,550,004

METHOD OF ESTABLISHING MARKERS IN BOREHOLES

Henri-Georges Doll, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application December 22, 1943, Serial No. 515,235
7 Claims. (Cl. 33—1)



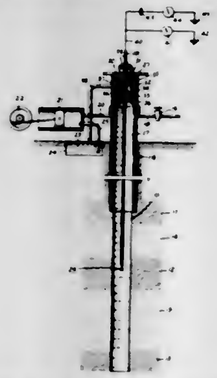
1. A method of establishing a detectable depth marker in a casing in a bore hole in known relationship to radioactive material outside the casing, comprising lowering into the bore hole a detector for said radioactive material outside said casing and an electrode in known spatial relationship to said detector, stopping said electrode in a predetermined relation to said radioactive material outside the casing, and passing a direct current between the casing and said electrode while said electrode is stopped in said predetermined relation to the radioactive material outside said casing.

2,550,005

WELL LOGGING METHOD AND APPARATUS UTILIZING PERIODICALLY VARIABLE SPONTANEOUS POTENTIALS

Henri-Georges Doll, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application April 22, 1948, Serial No. 22,616
6 Claims. (Cl. 175—182)



1. In a method of logging the uncased portion of a well containing a column of conducting liquid and having an upper portion lined with a casing extending to the surface of the earth, the steps of lowering an electrode on a supporting cable into the well, affixing at the top of the well a cap having a stuffing box to facilitate the movement of the cable through the well, pumping a substantially incompressible liquid into the well to increase the hydrostatic pressure in the well, permitting controlled leakage of liquid from the top of the well to permit the increased hydrostatic pressure of the well liquid to decrease substantially to a reference level, repeating said liquid pumping step while permitting controlled leakage from the well to produce periodic pressure pulses in the well liquid, the pulse repetition rate and the relative rates of pumping and leakage being suitably chosen to produce periodically variable electro-filtration potentials in the well at the levels of relatively permeable formations, moving the electrode through the well during the production of said pressure pulses, and obtaining indications only of periodically variable potentials picked up by said electrode.

2,550,006

METHOD OF LAMINATING FABRICS

Henry Dreyfus, deceased, late of London, England, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 28, 1945, Serial No. 631,472. In Great Britain December 11, 1944
1 Claim. (Cl. 154—126.5)

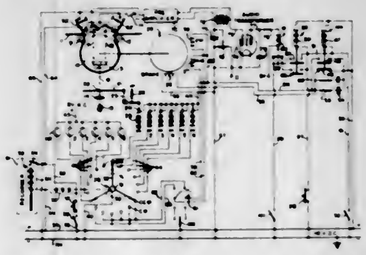
Process for making laminated fabrics by bonding together under heat and pressure three layers all having a basis of cellulose acetate, at least one being a fabric, wherein the heating is effected by exposing the assembly to a high frequency alternating electric field, and the intermediate layer only contains tri-(mono-chlor-ethyl) phosphate as a plasticizer, the higher loss factor of said plasticizer causing the intermediate layer to become softened sufficiently to flow under the pressure applied, while the outer layers remain substantially unsoftened.

2,550,007

CONTROL SYSTEM FOR SOUND REPRODUCTION AND RECORDING APPARATUS

Ferenz H. Fodor, Los Angeles, Calif., assignor to Filmtone, Inc., Los Angeles, Calif., a corporation of California

Application April 9, 1949, Serial No. 86,416
14 Claims. (Cl. 179—100.3)



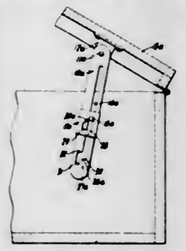
1. In an apparatus of the character described, the combination of: means for supporting and advancing a record strip having a plurality of sound tracks thereon; pick-up means adapted to be modulated by a sound track on said strip; driving means for said strip supporting and advancing means; automatic means controlled in response to strip movement for reversing the direction of travel of said strip at the end of each sound track, and relatively shifting said pick-up means and said strip to operatively associate the pick-up means with a next adjacent sound track; and electrical means visually indicating which sound track is being transcribed.

2,550,008

SELF-RELEASING BRACKET

Antony P. Freeman, San Francisco, Calif.

Application August 24, 1948, Serial No. 45,839
4 Claims. (Cl. 217—60)



1. A device of the class described comprising a base, a member hinged thereon, a lock pin on the base, and a prop pivoted to said member and provided with a longitudinally extending pin receiving slot formed with angular turns at its lower end terminating in a short parallel inwardly offset prolongation of the main slot forming vertically opposed upper and lower pin seats, a cam slide on the prop having a substantially triangular opening, said opening comprising a straight vertical portion extending in parallel alignment with the pin receiving slot in the prop and normally receiving the pin and an inward extension overlying the prop and positioned to register with the said opposed seats when the slide is at the lower end of the prop, said inward extension of the slide opening having an upper diagonal cam edge merging into a lower edge shaped to provide two adjacent pin seats one of which forms the lower end of the vertical portion of the triangular opening in the slide and the other of which is positioned to be moved into registration with the lower pin seat in the prolongation of the prop slot, the pin seat at the lower end of the vertical portion of the slide opening bringing the lock pin into contact with the lower end of the main slot in the prop to limit the main upward movement of the prop and the corresponding downward movement of the slide thereon, the inward extension of the slide opening exposing the upper seat in the offset prop slot prolongation at the limit of said main movement, whereby the prop can then drop by gravity to bring said seat on the pin to lock the prop in extended position and whereby subsequent supplemental upward movement of the prop will bring the pin into contact with the inner pin seat on the slide to further move the slide down on the prop and bring the diagonal cam edge below said upper seat, thereby permitting free reverse movements of the prop and slide.

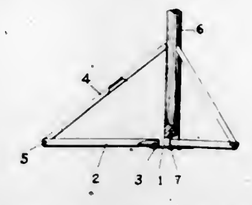
2,550,009

STAND FOR CHRISTMAS TREES

Dewey J. Griffin, Wichita, Kans.

Application October 11, 1946, Serial No. 702,751
1 Claim. (Cl. 248—46)

In a stand for Christmas trees, a horizontally positioned disc having three apertures equally spaced inwardly from the periphery of the disc and triangularly arranged within the disc, a foot member for each aperture comprising a web and legs and being pivotally connected to the disc at one end of the foot member from whence the web converges outward to the other end, a brace member adapted to engage between the legs at said other end of said foot member and being pivotally connected thereto, said brace members at their free ends adapted to rock vertically toward and from the foot members while the foot members are adapted to rock on a horizontal plane selectively, whereby the members of the stand are collapsibly arranged and adapted to unfold for engagement as bracing means for a Christmas tree vertically positioned on the disc, said brace members being U-shaped in cross section with their legs extending downwardly to serve as penetrating means into a trunk of a tree when vertically supporting the same.

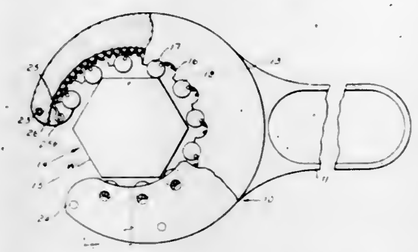


2,550,010

ONE-WAY ENGAGING WRENCH HAVING GUIDED WORK-ENGAGING ROLLERS

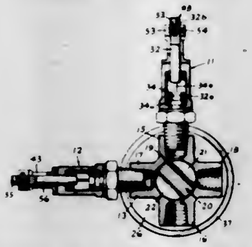
Alfred Kavalar, Detroit, Mich.

Application August 23, 1949, Serial No. 111,937
3 Claims. (Cl. 81—58)



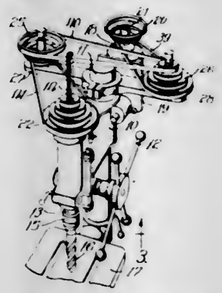
1. A ratchet wrench having a head plate with upper and lower sides and a transverse aperture therethrough for receiving a member to be actuated, said plate having an inner wall defining said aperture, said wall having a plurality of pairs of intersecting socket grooves therein contiguous with and bounding at least a portion of said aperture, one groove in each pair being radially offset from the other, a roller associated with each pair of grooves, retaining rings respectively affixed on the upper and lower sides of said head plate and overlying the ends of said grooves, said retaining rings having pin-receiving holes therein, said holes being disposed substantially over the intersection of said grooves, pins rotatably supporting said rollers in said holes, said pins being eccentric of said rollers whereby the latter may shift from one to the other of the grooves with which it is associated, and means resiliently urging said rollers to shift towards the grooves lying innermost with respect to said aperture.

2,550,011
CONTROL VALVE
Robert T. Kohler and Charles A. Spaulding, Jr., Omaha, Nebr., assignors to The Refinite Corporation, Omaha, Nebr., a corporation of Nebraska
Application March 2, 1950, Serial No. 147,292
5 Claims. (Cl. 277—10)



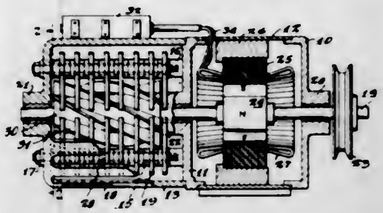
1. A compound valve comprising a valve casing having five ports therein, a rotary valve in said casing having passages therein for selectively connecting one of said ports to a pair of adjacent remaining ports and selectively connecting the other remaining pair of ports to each other, a first valve having a reciprocable valve plug therein connected to one of said remaining ports, a second valve having a reciprocable valve plug therein connected to another of said remaining ports adjacent to said one of said remaining ports, a rotary cam member fixed to said rotary valve and means connecting said cam member to said reciprocable valve plugs for alternately opening and closing the corresponding valves.

2,550,012
DRILL PRESS SPEED REDUCING ASSEMBLY
Stefan Krafka, Cicero, Ill.
Application April 15, 1949, Serial No. 87,699
6 Claims. (Cl. 74—217)



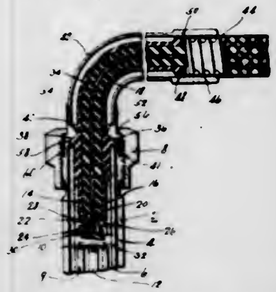
1. In a drill press, the combination of a column, a drill head supported on said column, a drill spindle on said drill head, a motor, and means connecting the motor and said drill spindle including a multi-step pulley on said drill spindle and a multi-step pulley on the shaft of said motor, and a pair of supplementary multi-step pulleys, each of said supplementary pulleys being supported in laterally spaced relation to said drill head for rotation about an axis in spaced parallel relation to the axes of said other pulleys, a belt connecting said pair of supplementary multi-step pulleys, a belt connecting the pulley on the shaft of the motor and one of said supplementary pulleys, and a belt connecting the pulley on the spindle and the other of said supplementary pulleys.

2,550,013
DYNAMOELECTRIC MACHINE
Irven W. Kureth, Monroe, Mich.
Application August 6, 1948, Serial No. 42,773
3 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising a housing including a pair of upright end walls, an upright intermediate wall dividing said housing into two axial portions, and a side wall extending between said end walls, a rotor shaft extending from end to end in said housing, bearings in said upright walls rotatably supporting said shaft, means for rotating said shaft, a rotor and stator respectively mounted on said shaft and housed in one of said portions, said stator including a polyphase winding, a plurality of axially extending angularly spaced elongate piles of rectifier units substantially concentrically arranged around said rotor shaft within the other portion of said housing, electrical connections between the phases of said winding and said units, respectively, output connections for said units, said other portion of said housing having air vents therein, and an elongate cooling fan having helical blades mounted on said rotor shaft radially inward of said rectifier units

2,550,014
SHIELDED ELECTRICAL CONNECTOR FOR SPARK PLUGS
Noel J. Lituchy, Cedar Rapids, Iowa, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 15, 1944, Serial No. 518,387
6 Claims. (Cl. 174—35)

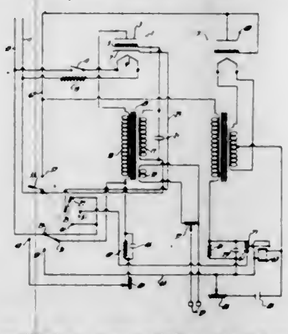


1. In combination with a spark plug having a metal tubular casing providing a socket within the casing, a metal conduit adapted to be connected to said casing and surrounding a conductor cable, a part of which is received within said conduit and part of which extends beyond the end of said conductor to provide a terminal connection which is adapted to be received within said socket when said conduit and casing are connected together, said terminal connection comprising an insulated electrical conductor element provided with a contact element at the end thereof and having a sleeve of resilient insulating material comprising the outer insulating surface of said terminal connection and adapted to project into said socket, said sleeve being formed in one single piece with a closed end provided with a small orifice through which the conduit element extends and provided with a peripheral flange, adapted to be clamped between the conduit and casing when said parts are connected together to hold the terminal connection in proper position, said resilient sleeve having an enlarged portion adjacent the flange to form a shoulder on the outer surface of the sleeve, a short sleeve of non-resilient insulating material surrounding the end of the resilient sleeve and held in position between the said shoulder and the contact element, and a sleeve of non-resilient insulating material within the tubular element and defining the socket in which the terminal connection is received.

2,550,015
METHOD OF PREVENTING LOSS OF IODINE FROM IODINE IN THE ELEMENTARY STATE AND ALL OF ITS COMPOUNDS
Howard C. Maffitt, Des Moines, Iowa, assignor to Iowa Limestone Company, Des Moines, Iowa
No Drawing. Application November 15, 1948, Serial No. 60,171
8 Claims. (Cl. 99—2)

1. The method of preventing the loss of iodine from iodine in the elementary state and from all its applicable compounds, comprising; the surrounding of the particles of iodine in the elementary state and all its applicable compounds with water glass.

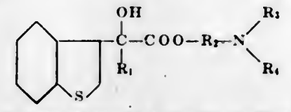
2,550,016
OSCILLATING APPARATUS
David F. Maners, San Francisco, Calif., assignor, by direct and mesne assignments, to Beautymaster, Inc., a corporation of California
Application September 3, 1947, Serial No. 771,948
7 Claims. (Cl. 250—36)



1. An oscillator comprising a vacuum tube having an anode, a cathode and a grid, a circuit connected to apply a positive potential to said grid with respect to said cathode, a transformer having a primary winding connected from said grid to said cathode through said circuit, and a step up secondary winding connected from said anode to said cathode to maintain said anode and cathode at the same mean potential and to induce on said anode a positive potential upon increase of current in said primary winding, and means for applying oscillating potentials developed by said transformer windings to a load circuit.

2,550,017
ALKYL-AMINOALKYL ESTERS OF 3-BENZOTHIENYL-HYDROXYACETIC ACID
Gustav J. Martin, Philadelphia, and Souren Avakian, Orland, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 8, 1948, Serial No. 59,023
6 Claims. (Cl. 260—330.5)

1. Compounds having the following general formula:



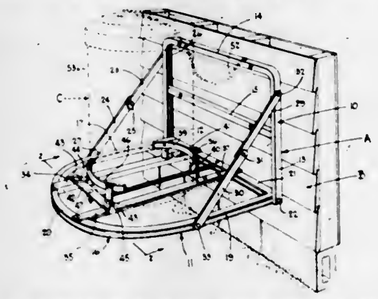
wherein R_1 represents a cyclic radical selected from the class consisting of phenyl, benzyl, cyclohexyl and thienyl groups, R_2 represents an alkylene group having from 1 to 6 carbon atoms, R_3 represents an alkyl group having from 1 to 3 carbon atoms, and R_4 represents a group selected from the class consisting of hydrogen and alkyl groups having from 1 to 3 carbon atoms, and their water-soluble salts.

2,550,018
QUICK-ACTING TENSIONING CONNECTOR
John A. Morrison and Richard H. Weiland, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application May 28, 1946, Serial No. 672,822
13 Claims. (Cl. 24—71)



1. A connector comprising a connecting element, resilient tension adjusting means movable slidably in relation to said element over a predetermined range, coupling means operable for connection to said tension adjusting means, and locking means operable to restrain subsequent tension-adjusting movement of said tension adjusting means within said range.

2,550,019
RECEPTACLE HOLDER
Bernard J. Murphy, St. Paul, Minn.
Application July 17, 1947, Serial No. 761,578
3 Claims. (Cl. 248—311)



1. A receptacle support comprising a shelf, a supporting means therefor, a pair of generally

parallel braces forming a part of said shelf, said braces being angular in cross section and having outwardly directed coplanar flanges, a pair of spaced brackets extending upwardly from said braces, a curved clamping member supported by said brackets, a cross member slidably supported on said braces, hook ends on said cross member engageable about said horizontal flanges of said braces to slidably support the same, brackets extending upwardly from said cross member, and a curved clamping member supported by said brackets.

2,550,020
MANUFACTURE OF PRIMARY AMINES
Horace Finningley Oxley and Edward Boaden Thomas, Spondon, near Derby, England, and Frank Sandham Nichols, Pittsfield, Mass., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 23, 1947, Serial No. 743,468. In Great Britain May 6, 1946
7 Claims. (Cl. 260—585)

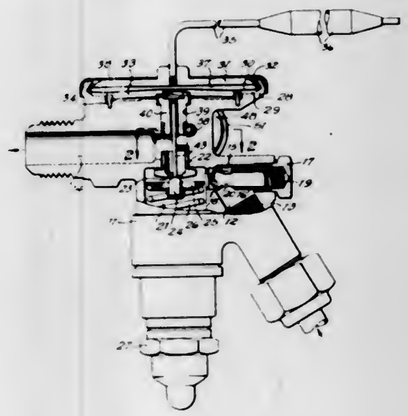
1. Process for the manufacture of aliphatic primary amines, which comprises heating in an aqueous reaction medium to a temperature above 100° C. and under a pressure sufficient to maintain the reactants and reaction medium substantially in the liquid phase a halogenated paraffin hydrocarbon, in which at most 1 atom of a halogen of atomic weight greater than 30 is attached to any one carbon atom, with more than 1.5 molecular proportions of ammonia and more than 3 molecular proportions of an ammonium halide in which the halogen is of the class specified above for each atomic proportion of halogen in the halogenated hydrocarbon.

2,550,021
POWER LINE SUPPORT FOR MOTOR VEHICLE DOORS
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 5, 1946, Serial No. 674,516
6 Claims. (Cl. 296—44)



1. A motor vehicle having a door frame with a chambered post, a chambered door hinged to the post, said chambered parts having opposed faces each formed with an opening leading into the respective chamber, a tubular power line support arranged in the two openings of the opposed faces and having its opposite ends opening into the two chambers for carrying the power line of an automotive accessory across the hinge mounting of the door, said tubular support being in the form of a flexible rubber tube having oppositely opening laterally disposed seats and being collapsible to introduce the tube in one part opening and thereafter to engage the opposed marginal portions of such opening for anchoring the support to the respective chambered part, and power line means passing through the tube to give sustaining support thereto against seat-disengaging collapse thereof.

2,550,022
EXPANSION VALVE
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application June 4, 1947, Serial No. 752,376
5 Claims. (Cl. 236—92)



1. In a thermostatic expansion valve: a valve casing having walls defining an inlet and an outlet chamber; valve means for controlling flow of refrigerant between said chambers; a fluid-pressure motor mounted on said casing and comprising a first movable wall sealingly closing an opening through the wall of said outlet chamber so that the inner surface of the first movable wall is subjected to the pressure of fluid in the outlet chamber; means within said outlet chamber forming a connection through which movement of the first movable wall normally effects operation of said valve means, the arrangement being such that outward movement of the first movable wall is in a direction to effect closing of the valve means; thermostatic means outside the casing, and acting on the outer surface of said first movable wall, for so controlling the operation of said motor so as to effect movement of said first movable wall in accordance with temperature variations; a second movable wall sealingly closing another opening through the wall of said outlet chamber; a spring urging said second movable wall inwardly of the casing; means accessible outside the valve for adjusting the force of said spring; and means, operated by outward movement of said second movable wall and cooperating with said connection, for closing said valve means upon predetermined rise of pressure in said outlet chamber irrespective of the position of said first movable wall.

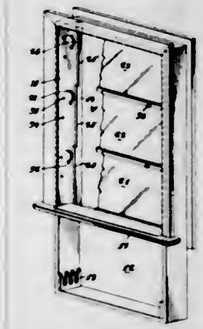
2,550,023
CHRISTMAS TREE BRANCH HOLDER
William P. Reilly, Menomonee Falls, Wis.
Application July 19, 1947, Serial No. 762,099
2 Claims. (Cl. 248—42)

1. A device particularly adapted for holding branches on tree trunks comprising a resilient tree trunk engaging cuff open at one side, tree branch receiving sockets formed on the terminals of the cuff arranged at an angle to the longitudinal axis of the cuff, said sockets also forming finger pieces for facilitating the spreading of the cuff to permit the same to be sprung around a



tree trunk and a flaring tree trunk entrance throat.

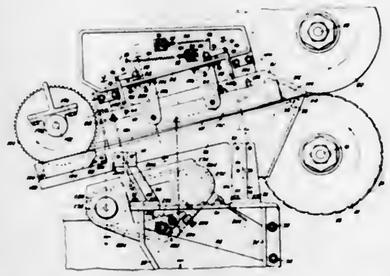
2,550,024
WINDOW STRUCTURE
George W. Risien, Toledo, Ohio
Application May 27, 1946, Serial No. 672,647
1 Claim. (Cl. 20—52.2)



In a window structure, a frame providing a window opening having laterally spaced side walls, a top wall and a bottom wall, a plurality of window panels arranged in superposed relation for closing the window opening, a pair of supports for each window panel in said side walls, each support having a downwardly and outwardly inclined notch, a downwardly and outwardly inclined corner portion for each window panel fitting said notches respectively for enabling each window panel to be disposed in upright position and also enabling each window panel to rock from such upright position to an inclined position, stops on the frame side walls against which said panels rest when in inclined position, a bowed spring member for each side of each window panel for holding same in an upright position, a pivotal mounting for one end of each spring member connected to said frame side walls, the frame having slots adjacent said spring members respectively, and a flange on the opposite end of each spring member engageable in an adjacent slot thereby to anchor each bowed spring member releasably in window panel engaging position.

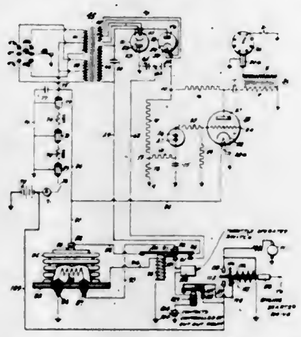
2,550,025
FISH-FILLETING MACHINE
Charles M. Savrda, Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass., a corporation of Delaware
Application October 26, 1946, Serial No. 705,985
5 Claims. (Cl. 17—4)

1. In a fish filleting machine having a pair of stationary ribbing knives having an entering and discharge end and extending upwardly and outwardly from lower edges which are substantially equidistantly spaced throughout a substantial portion of their lengths and having upper cutting edges which diverge from their entering to their discharge ends, said lower edges forming a slit between said knives in which the backbone of a fish forcibly impelled onto said ribbing knives, tail leading and back downward, rides, a pair of spaced fin guide members forming an



open slot therebetween; the improvements which include the combination of an ejector blade, and conveycr means mounting said blade on said machine below said knives for movement of said blade into said slit and said slot in a position to engage the end of a fish which has stopped short on said ribbing knives and for movement longitudinally along said slit and slot in the same direction as a fish passes over said ribbing knives during the filleting operation, to propel any such stopped fish along said knives.

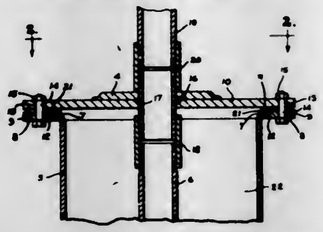
2,550,026
STARTING AND IGNITION SYSTEM
Brooks H. Short, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1946, Serial No. 669,498
2 Claims. (Cl. 123—179)



1. Ignition apparatus for internal combustion engines, comprising an ignition coil, a condenser, a power pack for charging the condenser, a thyratron for withholding the discharge of the condenser to the thyratron until the required instant of firing, a timer driven by the engine for effecting the thyratron, a low voltage current source for operating the power pack and for supplying current to the filament of the thyratron, an electric motor for cranking the engine, and means for withholding the application of a voltage by the power pack to the plate of the thyratron

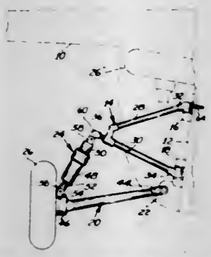
and for withholding the connection of the current source with the electric motor, for a time during which the thyratron is heated to operating temperature.

2,550,027
SEAL FOR CASED WELLS
Robert R. Thompson, Marshall, Mo.
Application February 24, 1948, Serial No. 10,522
11 Claims. (Cl. 285—22)



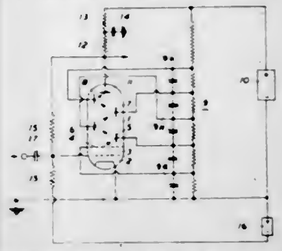
1. The combination with a well casing and a fluid conduit extending within said casing in spaced relation thereto, of means providing a liquid tight seal between the upper end of said casing and said conduit comprising a plate-like member engaging said end of said casing, a ring surrounding said casing in spaced relation to said plate-like member, a sealing gasket of compressible material mounted between said ring and plate-like member and engaging said casing, clamping means engaging said ring and plate-like member to compress said gasket between said casing, plate-like member and ring, said plate-like member having an opening therein, and means mounted in said opening and extending therethrough, said means having a liquid tight connection with said plate-like member and said conduit to provide a liquid tight connection between said plate-like member and said conduit.

2,550,028
RETRACTABLE LANDING GEAR
Edward C. Wells, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application May 25, 1948, Serial No. 28,991
25 Claims. (Cl. 244—102)



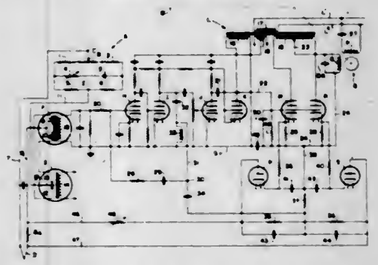
10. A retractable landing gear for an airplane, comprising two struts, means supporting and guiding said struts for swinging through substantially right angles about axes mutually substantially perpendicular, a landing wheel carried by the swinging end of one of said struts, and a link pivotally interconnecting the swinging ends of said struts, the respective supporting means for said trusses being so located and relatively disposed that said link transmits, by compression therein, a portion of the airplane load between said trusses.

2,550,029
ELECTRON DISCHARGE VALVE AMPLIFIER
Eric Lawrence Casling White, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 8, 1947, Serial No. 767,412
In Great Britain July 10, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 10, 1959
6 Claims. (Cl. 179—171)



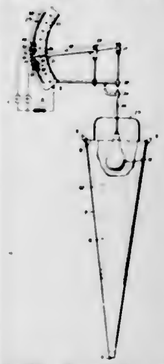
1. An electron discharge valve amplifier arrangement comprising an electron discharge valve having a cathode, an anode and a control electrode, a source of bias voltage for said valve proportioned to cause the emission from said cathode to said anode to be substantially exponentially related to the voltage between said control electrode and said cathode, means for applying signals to be amplified to said valve, a resistive impedance connected between said anode and a source of positive potential, and a negative feedback circuit between said anode and said control electrode, said feedback circuit having an associated frequency selective impedance proportioned to cause said feedback circuit to be substantially inoperative at the signal frequencies which it is desired to amplify and to be operative at frequencies below said signal frequencies, thereby causing the mean anode current of said valve to be maintained substantially constant in respect of slow fluctuations of said anode current, whereby the amplification of said signals is stabilized.

2,550,030
MEASURING AND CONTROLLING APPARATUS
Rudolf F. Wild, Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 29, 1949, Serial No. 101,973
4 Claims. (Cl. 250—27)



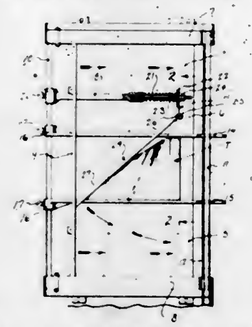
1. In measuring and control apparatus of the type comprising a signal circuit and means for developing therein a unidirectional signal varying in magnitude and polarity, a converter for converting said signal into a low frequency alternating current control signal of one phase or of the opposite phase depending on a polarity of said unidirectional signal, an electronic amplifier for amplifying said control signal, a feed back connection for transferring energy from one portion to another portion of said amplifier and thereby producing high frequency oscillations which appear in said amplifier while the magnitude of said control signal is decreasing, a pair of control valves each having an anode, a cathode, a control grid, a cathode resistor, and an output circuit including said anode, cathode, and cathode resistor, and means supplying alternating current of said relatively low frequency to the anode of each valve which is opposite in phase to the anode current supplied to the other valve and is of the same phase as one of the two phases first mentioned, the improvement comprising a high frequency network connected to said amplifier and in which said high frequency oscillations produce current flow and comprising two rectifier circuits each including one of said cathode resistors, a rectifier, a load resistor, and a portion of said network supplying high frequency current to said rectifier circuit for rectification therein when the last mentioned circuit is not biased beyond cut off by the voltage drop in the cathode resistor included in that circuit, and circuit connections between said load resistors and said signal circuit through which each load resistor injects a unidirectional voltage into said signal circuit proportional to the potential drop in that load resistor and opposite in polarity to the voltage injected into said signal circuit by the other load resistor.

2,550,031
PULP DENSITY INDICATOR
William Wraith, Jr., Cananea, Mexico, assignor to The Cananea Consolidated Copper Company, S. A., a corporation of Mexico
Application October 23, 1947, Serial No. 781,574
3 Claims. (Cl. 73—33)



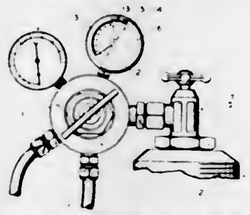
1. In an ore pulp circuit in which an aqueous pulp of ground ore overflows in a continual stream from one container into another, improved means for indicating the density of the overflowing pulp comprising an indicator vessel in the form of an inverted cone having an inlet opening in the wall thereof, a discharge opening in the downwardly pointing apex thereof, and an overflow lip about the upper edge thereof, a feed conduit mounted on the side of said vessel and communicating at its lower end with the interior thereof through said inlet opening, the upper end of said conduit terminating adjacent the upper edge of the vessel in a feed lip positioned in the path of the overflowing ore pulp, whereby a portion of said overflowing pulp is diverted into said conduit and delivered to the interior of said vessel and is discharged therefrom in part through the discharge opening at the bottom of the vessel and in part by overflowing the overflow lip thereof, a baffle extending upwardly from between the feed lip of the conduit and the overflow lip of the vessel, and a hydrometer float suspended in the pulp in the upper portion of said vessel.

2,550,032
TAG FEEDER
Henry Zabel, Jr., Harry H. Zabel, and George Harrison, Sheboygan, Wis.
Application January 23, 1948, Serial No. 4,034
2 Claims. (Cl. 271—62)



1. A tag feeding attachment for the sheet feeding mechanism of a printing press comprising a bracket, an attaching head on the rear end of the bracket, a forwardly extending rod on the bracket, a hinge plate slidably mounted on the rod, spring means on said rod normally urging the hinge plate forwardly on said rod, adjustable stops on the rod for limiting the forward movement of the hinge plate under influence of the spring, and a horizontally disposed tag engaging arm hingedly connected at one end to said hinge plate adapted to extend in rear of and across the tags, the other end of said arm being free for engagement with the back rest supporting plate of the sheet feeding mechanism.

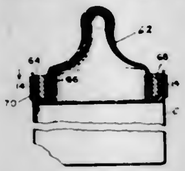
2,550,033
DIAL FOR GAUGES
Edwin G. Adams, The Dalles, Oreg.
Application March 27, 1950, Serial No. 152,083
1 Claim. (Cl. 116—133)



In combination a gauge comprising a casing, a pivotally mounted indicating pointer mounted in the casing, a scale in the casing with which the pointer cooperates to indicate values, a transparent front plate mounted in the front of the casing over the pointer and scale, a pivot on the front transparent plate in line with the pivot of the pointer, a semi-circular scale plate mounted

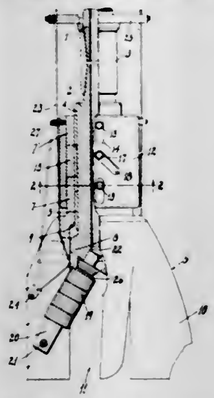
on the pivot on the transparent front plate to extend over the scale in the casing when rotated on its pivot, a scale on the semi-circular scale plate to cooperate with the scale in the casing when said scale plate is rotated, and a semi-circular shield mounted on the pivot on the transparent plate, whereby the scale on the semi-circular scale plate may be covered after taking a reading between the two scales.

2,550,034
NURSING OUTFIT
Adda M. Allen, Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C., a corporation of Delaware
Application December 19, 1946, Serial No. 717,105
1 Claim. (Cl. 215—11)



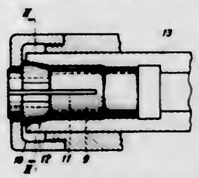
In a nursing assembly a nursing device of rubber or the like comprising a nipple portion and a rim portion integral with said nipple portion, said rim portion being of substantially U-shape in cross-section forming an outwardly presented open annular channel, a removable annular band of rigid material inserted into said channel providing rigid support for said rim portion, a disposable container bag of thin retractable pliable material having a closed end and an open end surrounding said rim portion in closely embracing relation, and a contractile pressure ring surrounding the open end of said container and said rim portion and compressing the open end edge area of the container material inwardly against said rim portion, said supporting band providing the necessary rigidity whereby the rubber of said rim portion and the end edge area of said container may be pressed together in sealing relation.

2,550,035
RETRIEVABLE DRILLING BIT
Ethan T. Allen, Gardena, Calif.
Application December 13, 1947, Serial No. 791,584
10 Claims. (Cl. 255—72)



1. A retrievable drilling bit mounted on a drill pipe, a mandrel on the lower end of the drill pipe, the bit having a bore therethrough to fit on the outside of the mandrel, interengaging splines on the mandrel and the bit, a locking ring rotatably mounted on the bit below the splines on the mandrel, and means to rotate said ring to permit the ring to mesh with the spline on the mandrel.

2,550,036
SPLIT COLLET CHUCK
André Bechler, Moutier, Switzerland
Application November 21, 1947, Serial No. 787,363
In Switzerland December 6, 1946
7 Claims. (Cl. 279—52)



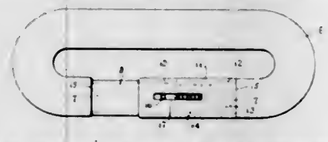
5. A chuck for drills and lathes comprising a closing sleeve member having a conical inside surface portion; a collet axially slidable in said sleeve member and having a portion with a conical outside surface facing said inside surface portion, substantially radial slots in said collect extending in axial direction from one end thereof through its portion with the conical outside surface and forming a plurality of radially resilient jaw portions on said collet, longitudinal embossments protruding from the outside of said jaw portions between said slots, each embossment having an outside surface engaging and conforming with respective portions of said conical inside surface portion of said sleeve member and having two flanks extending from the outside of the jaw portion in planes which intersect each other in a line extending from and enclosing a substantially right angle with the longitudinal axis of the chuck, the width of the outside surface of said embossments being substantially greater than the radial protrusion of said embossments.

2,550,037
GRAVITY DIE CASTING OF LIGHT METAL FRAMES
Archibald Claude Bridge, Westbridgeford, England, assignor to Luxfer Limited, London, England, a British company
Application March 31, 1947, Serial No. 738,422
In Great Britain March 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1966
4 Claims. (Cl. 22—149)



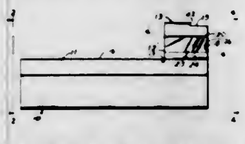
2. A multiple die for gravity die casting light metal frames, comprising in combination a plurality of superposed thin metal frames each of which is shaped transversely to correspond to a profile of the frame to be cast, flat spacing elements to space said thin frames apart, the shaped surfaces of said thin frames and the inner end faces of the spacing elements defining a plurality of casting spaces for metal to be cast, said inner end faces at one side of the die being at progressively lesser distances from the said side and the inner end faces of the spacing elements at the opposite side of the die, considered in the same direction, being at progressively greater distances from said opposite side, and ingates formed by openings in the spacing elements to permit molten metal to be fed into the die, each ingate communicating with a casting space at a selected end of the die, the said thin metal frames permitting molten metal in the die to suffer a "chilling" effect by radiation from the die.

2,550,038
CLOSING ATTACHMENT FOR LINKS
William L. Brown, Carmi, Ill.
Application May 5, 1950, Serial No. 160,293
3 Claims. (Cl. 59—85)



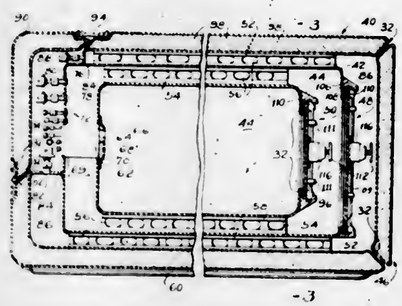
1. In a detachable link, a link member having end portions separated from each other, and a closing device comprising a plunger having an open outer end to receive and detachably interlock with one of said end portions, a spring seat carried by said plunger, a sleeve telescoped with said plunger, said sleeve having an open outer end to receive and detachably interlock with the other end portion of said link member, a spring seat inside of said sleeve, and a spring confined between the spring seats of said sleeve and plunger to force the sleeve and plunger away from each other, thereby forcibly interlocking the open outer ends of the telescoping sleeve and plunger with the separated end portions of the link member, said link member having a pair of abutments facing each other and engaged by the sleeve and plunger, so as to positively limit outward displacement of the forcibly interlocked outer ends of said sleeve and plunger, said sleeve and plunger being movable toward each other and away from said abutments to detach the entire closing device from the link member.

2,550,039
FISHING PLUG CONTAINER OR HOUSING
Carl L. Carlson, Moline, Ill.
Application February 9, 1948, Serial No. 7,067
10 Claims. (Cl. 43—57.5)



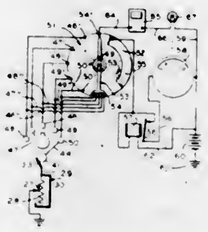
1. In a device of the class described, a housing for the reception of a fishing plug having hooks, a transverse groove in the top surface of said housing means for releasably retaining said plug in said housing, said plug being accessible for movement relative to said housing, and means effective upon a predetermined movement of said plug relative to said housing and acting in concert with said retaining means for placing said hooks under tension which upon further movement of said plug will result in a snap action rejection of said plug from said housing.

2,550,040
SELECTIVELY EVACUATED TEMPERATURE REGULATED CONTAINER
Mottel Ciar, Culver City, Calif.
Application August 8, 1946, Serial No. 689,290
4 Claims. (Cl. 257—3)



1. A container for preserving perishable goods including: a plurality of nested chambers each with its own closure, said chambers being spaced apart to form closed insulating space therebetween, the innermost of said chambers being adapted for use as a storage chamber and at least one of said chambers having an inwardly tapered wall forming an entrance thereto; a closure for said chamber having a complementary tapered wall adapted to frictionally engage the tapered wall of said chamber; a hinge assembly having one hinge plate secured to each of said tapered walls and adapted to lie in juxtaposition when the door is closed, one of said plates being adapted for limited movement along said tapered wall so as to permit self alignment of the closure within said chamber entrance; locking means on said closure adapted to draw the same tightly against said closure entrance; means for selectively evacuating said storage chamber and said insulating space; and means adapted to circulate cooled or heated air selectively through said storage chamber and said insulating space.

2,550,041
ELECTRIC TIRE INFLATION INDICATOR
Rinaldo Cozzolino and Larry L. Bustos, Pueblo, Colo., assignors of twenty-two per cent to A. A. Fraterelli, ten per cent to S. Philip Cabibi, thirty-three per cent to Larry L. Bustos, and thirty-five per cent to Rinaldo Cozzolino, all of Pueblo, Colo.
Application August 25, 1947, Serial No. 770,406
3 Claims. (Cl. 177—311)



1. A tire inflation indicator for a vehicle comprising in combination with a plurality of wheels each having a pneumatic tire, pressure responsive

means communicating with each of said tires, means associated with each of said pressure responsive means for determining the electrical characteristics of a circuit in accordance with the pressure in each of said tires, each of said circuit characteristic determining means having a shunt adapted to be connected thereacross to eliminate said means from said circuit and means for connecting said shunt when the pressure in said tire is less than a predetermined value, an electrical connection from each of said circuit characteristic determining means to an individual contact point of a selector switch, an electrical connection from each of said circuit characteristic determining means to a common contact point on the selector switch, a contact segment on said selector switch, a movable arm associated with said selector switch for connecting any of said individual contact points to said contact segment, a lead extending from said contact segment to a normally closed relay, a first lead extending from said relay to a source of electrical energy, a second lead extending from said relay to a circuit characteristic indicating instrument and a lead from the instrument extending to said source of electrical energy, said source of electrical energy being grounded to the frame of said vehicle whereby said instrument may provide an indication of the pressure in any of said tires when said movable arm provides a connection between the contact segment and the contact point of the tire whose pressure it is desired to ascertain and whereby when the electrical energy passing through said relay exceeds a predetermined value said relay will open the circuit to said instrument; a contact point on said switch having a lead extending to an audible type signal adapted to be electrically energized, a lead extending to a visual type signal adapted to be electrically energized and a lead extending to said source of electrical energy, said audible type signal being adapted to be actuated by a lesser amount of electrical energy than is required to actuate said visual type signal, whereby said movable arm may connect said common contact point with the contact having a lead extending to said audible and said visual type signals in order to actuate said audible type signal when the pressure in any one or more of said tires exceeds a predetermined value and to actuate both of said signals when the pressure in any one or more of said tires is below a predetermined value.

2,550,042

PREPARATION OF ALKYL ALPHA-OXO-GAMMA - PHENYL - GAMMA-ALKOXY-BETA-BUTENOATES

Willard J. Croxall, Bryn Athyn, Pa., and Henry J. Schneider, Badger, Wis., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application March 31, 1949, Serial No. 84,758
7 Claims. (Cl. 260—473)

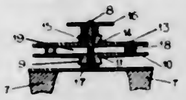
1. A process which comprises reacting together in the presence of a strongly basic quaternary ammonium alcoholate, phenylacetylene and an ester of oxalic acid and a saturated, monohydric, aliphatic alcohol, ROH, wherein R is a non-tertiary alkyl group of not over four carbon atoms, in the quaternary ammonium alcoholate the alcoholate group being that of a saturated monohydric aliphatic alcohol of not over four carbon atoms with two to four of the N-substituents being methyl and any quaternary substituent other than methyl being benzyl.

2,550,043

LOCKING UNIVERSAL JOINT FOR USE WITH DENTAL ARTICULATORS AND THE LIKE

Walter de Lautour, Gisborne, New Zealand

Application February 8, 1946, Serial No. 646,356
In New Zealand November 8, 1945
3 Claims. (Cl. 32—32)



1. In a device for mounting a holder for a bite block in a dental articulator, the combination of a jaw having two branches mounted on the articulator; a stem mounted on the holder and loosely embraced by said jaw; a collar fixed on said stem and having a conical surface; a plate having a central conical passage in which said surface is disposed; a second collar loose on said stem and having a conical surface; a second plate having a central conical passage in which said second surface is disposed; and a jam nut threaded on said stem for engagement against said second collar when set up on said stem, said plates being adapted to grip the branches of the jaw disposed therebetween when the nut is so set up.

2,550,044

SHOULDER PROTECTING DEVICE

Frank P. Delsalle, Daniels, Md., assignor to C. R. Daniels, Inc., Daniels, Md., a corporation of New York

Application January 5, 1948, Serial No. 482
18 Claims. (Cl. 2—2)



1. A shoulder protecting device comprising right and left shoulder arches and a shoulder cup attached to each of said arches, each shoulder arch comprising a stiff arch member of substantially less width than said shoulder arch, a cushioning layer on each side of said stiff arch member, said cushioning layers being of greater width than said stiff arch member and the lower cushioning layer extending beyond the upper cushioning layer, a hinge element attached at one of its ends to said stiff arch member and extending outwardly therefrom between said cushioning layers and beyond said upper cushioning layer, and a shoulder cup attached to the other end of the hinge member.

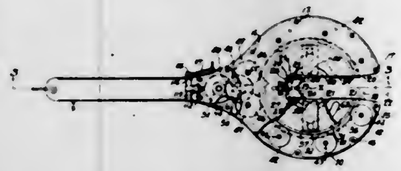
2,550,045

POWER-DRIVEN PIPE TONGS

John P. De Hetre, Compton, Calif.

Application December 22, 1945, Serial No. 637,040
10 Claims. (Cl. 81—57)

7. Power pipe tongs comprising a relatively fixed head structure having a central opening therethrough and a throat extending radially therefrom to accommodate a pipe, a rotatable head housed within the fixed head and having a central opening therethrough and a throat extending radially therefrom to accommodate a pipe, whereby a pipe may pass through the radial slots to the central openings when said radial throats are aligned, power means for rotating the rotatable head with relation to the fixed head, jaws radially disposed upon the rotatable head and adapted to move toward and away from the pipe, jaw actuating means operating incident to the rotation of the rotatable head whereby the jaws may be simultaneously moved toward and away from the central axis of the head, and controllable means separate from said jaw actuating means for retracting said jaws when it is desired to release a pipe which has been gripped.



2,550,046

PHOTOCHEMICAL PRODUCTION OF BENZENE HEXACHLORIDE

Hermanus Lambertus de Waal, Pretoria, Transvaal, Union of South Africa, assignor to Agricura Laboratoria Limited, Johannesburg, Transvaal, Union of South Africa

No Drawing. Application March 5, 1947, Serial No. 732,657. In the Union of South Africa December 4, 1946
3 Claims. (Cl. 204—163)

1. In a process for producing benzene hexachloride containing a high proportion of the gamma isomer, by photochlorination of benzene, wherein dissolved gamma isomer and precipitated alpha and beta isomer are formed, the step of introducing into the reaction medium a mixture consisting substantially of the alpha and beta isomer of benzene hexachloride, thereby increasing the concentration of the alpha and beta isomer of benzene hexachloride in the reaction medium above the concentration of the alpha and beta isomer precipitated in said photochlorination of benzene.

2,550,047

PRINTING COLORS

André Henri Victor Durr, Paris, René François R. Wendling, Creil, and Jean Leopold Richard Gardedieu, Villers St. Paul, France, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France, a corporation of France

No Drawing. Application August 5, 1947, Serial No. 766,452. In France January 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1961
5 Claims. (Cl. 260—22)

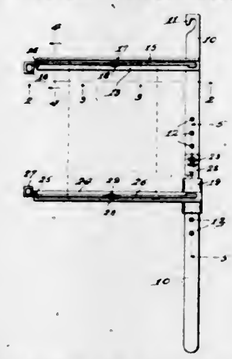
1. A method for printing textile and producing decorative effects fast to wasing and rubbing which consists in applying on textile fabrics colours obtained by grinding a long oil siccative glycerophthalic resin containing a member of the group consisting of soya bean oil, and dehydrated castor oil, with a pigment without any addition of a solvent of the resin, and then in emulsifying the so obtained pigmented enamel in water by means of an emulsifying agent.

2,550,048

PHOTOGRAPHIC FILM HANDLING AND DRYING FRAME

Hugo A. Durst, Los Angeles, Calif.

Application July 20, 1948, Serial No. 39,708
1 Claim. (Cl. 95—100)



In a film handling and drying frame, a handle comprising a one-piece straight bar of thin material, a hook formed on the distal end of said handle, there being a row of spaced indentations formed in the upper face of said handle, an arm L-shaped in cross section, having one end secured to said handle near said hook and extending at right angles to said handle, a hook on the free end of said arm, a resilient wire spring overlying said arm and having one end secured to the end of the arm which is secured to the handle, the free end of said spring extending beyond the free end of said arm and adapted to engage in the hook on the end thereof, a plate arranged for sliding movement on said handle, a flat spring carried by said plate and having a stud adapted to engage in the indentations in said handle to retain said plate in differently adjusted positions, an arm L-shaped in cross section, having one end secured to said plate and extending at right angles to said handle, a resilient wire spring secured at one end to the end of the arm which is secured to said plate, a hook on the free end of said second mentioned L-shaped arm for receiving and holding the free end of said last mentioned spring and the central portions of both springs being bent downward to form contact points for engaging on top of the central portions of the arms on which they are carried when the free ends of said springs are engaged in the hooks at the free ends of said arms.

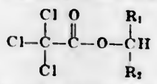
2,550,049

HERBICIDAL FORMULATIONS

Charles M. Eaker, Affton, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 3, 1950, Serial No. 136,664
8 Claims. (Cl. 71—2.7)

1. An improved herbicidal composition comprising an oil, an emulsifying agent, and an alkyl trichloroacetate having the formula

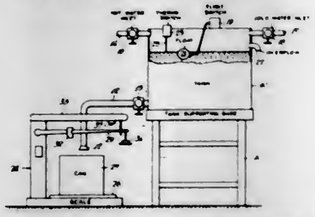


wherein R_1 and R_2 represent alkyl radicals which together contain not more than 7 carbon atoms, said composition being emulsifiable with water to form a stable emulsion.

2,550,050
WATER TEMPERING AND MEASURING SYSTEM

Alfred Emerson, Jr., New York, N. Y., and Fred L. A. Schmidt, Westfield, N. J., assignors to Cottage Donuts, Inc., New York, N. Y., a corporation of Maryland

Application February 15, 1946, Serial No. 647,916
16 Claims. (Cl. 249—1)

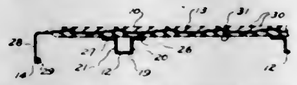


1. In a water tempering and measuring apparatus, a supply tank, an inlet including a valve for delivering hot water from a source of supply to said supply tank, an inlet including a valve for delivering cold water from a source of supply to said supply tank, a temperature control adapted to open and close said hot water inlet valve, a liquid level control adapted to open and close said cold water inlet valve, an outlet for discharging tempered water from said supply tank, said outlet including a valve for controlling the discharge of tempered water from said supply tank, and a weight control for measuring the tempered water discharged through said outlet, said weight control being connected operatively with said outlet valve to close the same when the desired amount of tempered water has been withdrawn from said supply tank.

2,550,051
IRONING TABLE TOP

Horace B. Fay, Willoughby, Ohio, assignor to Gridiron Steel Company, Cleveland, Ohio, a corporation of Ohio

Application October 29, 1947, Serial No. 782,919
2 Claims. (Cl. 38—137)



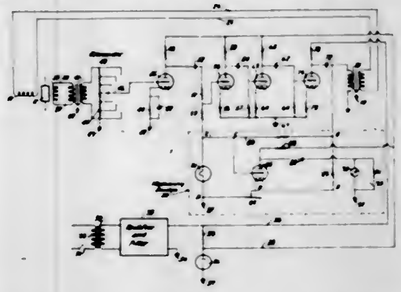
1. A metal ironing table top comprising a single sheet of relatively thin sheet metal of the order of thickness heretofore used in two and three sheet tops and of a thickness insufficient to resist ordinary ironing pressures without substantial yield, and having a series of uniformly distributed relatively small deformations out of the normal plane of the sheet, said deformations serving to stiffen said sheet against bending in an area equal to the area of an ordinary iron, and having at least one longitudinally disposed rib connected to said sheet substantially parallel to its central longitudinal axis to stiffen said sheet against longitudinal bending under normal ironing loads.

2,550,052
VISCOSITY METER

Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 21, 1949, Serial No. 77,557
6 Claims. (Cl. 73—59)

1. An apparatus for measuring the viscosity of a fluid, comprising a chamber adapted to receive said fluid, a magnet, torsion means mounting said magnet for oscillation in said chamber, a driver coil and a detector coil positioned adjacent said chamber, an amplifier circuit, means coupling the input of said amplifier circuit to said detector coil, means coupling the output of said amplifier circuit to said driver coil, whereby the

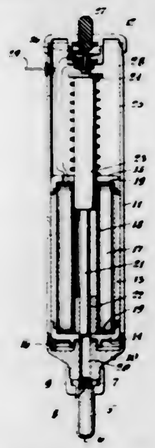


voltages induced in said detector coil by the oscillation of said magnet are applied with amplification by said circuit to the driver coil to mantain said magnet in oscillaton, and measuring circuit means connected to said amplifier circuit for measuring an amplification value necessary for maintaining said magnet in oscillation at a constant amplitude in said fluid.

2,550,053
INJECTION DEVICE

Garwood W. Ferguson, Paterson, N. J., assignor to Becton, Dickinson and Company, Rutherford, N. J., a corporation of New Jersey

Application April 13, 1948, Serial No. 20,685
8 Claims. (Cl. 128—173)



1. A device for injecting medicament at velocities and in a sufficiently fine stream such that it will penetrate and lodge within underlying tissues without the aid of a skin-penetrating needle, said device including in combination a body formed with a bore, means providing a medicament receiving chamber at one end of said body in line with said bore, a solenoid encircling said bore at a point short of said chamber, an armature movably supported within the bore of said body to be shifted responsive to solenoid energization and means connected to said armature and cooperable with said chamber for expelling medicament therefrom as said armature is so shifted.

2,550,054
TREATMENT OF OIL-BASE DRILLING FLUIDS

Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

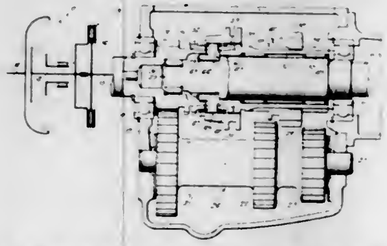
No Drawing. Application February 3, 1949, Serial No. 74,495
12 Claims. (Cl. 252—8.5)

1. The method of removing water from a water-contaminated oil-base drilling fluid containing suspended solids, which comprises admixing with said fluid a water-soluble alkaline earth metal salt, allowing the fluid to stand to settle out water and suspended solids, and thereafter separating the settled water and solids from the remainder of the fluid.

2,550,055
TRANSMISSION

George E. Flinn, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application July 2, 1945, Serial No. 602,697
12 Claims. (Cl. 74—333)



1. In a transmission, in combination, an input shaft, an output shaft, an intermediate shaft, a countershaft, a plurality of driving means on said countershaft and driven from said input shaft, driving means secured about said intermediate shaft and shiftable thereon selectively to engage one of the said plurality of driving means, and clutch means adapted selectively to drivingly connect said output shaft to said intermediate shaft or to said input shaft.

2,550,056
SAFETY RAZOR WITH INTEGRAL FOLDED BLADE

Anestis Foltis, Jackson Heights, N. Y.

Substituted for application Serial No. 215,755, June 25, 1938. This application May 21, 1946, Serial No. 671,283
5 Claims. (Cl. 30—47)

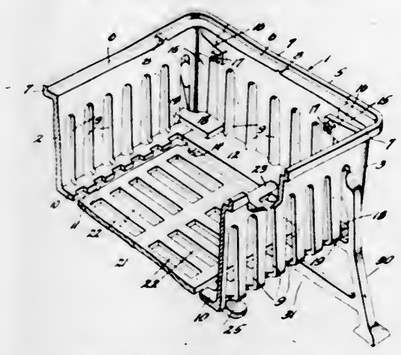


1. A safety razor comprising a single elongated strip of bendable metal having a wide intermediate portion folded upon itself lengthwise of the strip to provide a pair of superposed inner and outer clamping plates, a razor blade interposed between said plates, the inner plate having guard teeth, and abutting handle members formed at the ends of the strip overlying said inner clamping plate and extending outwardly from the inner plate midway thereof, the blade being integral with the one of said plates and united at one longitudinal edge thereof to said plate.

2,550,057
PORTABLE FIRE BASKET TYPE OF GRATE

Morris H. Garfunkle, Newark, N. J.

Original application March 24, 1944, Serial No. 527,935, now Patent No. 2,447,938, dated August 24, 1948. Divided and this application July 21, 1948, Serial No. 39,841
6 Claims. (Cl. 126—165)



1. A portable fire basket including substantially rectangular front, rear, and end sections adapted for attachment in vertical positions to form the basket, said front and rear sections each having a cut-out portion therein adjacent each of the opposite ends thereof, said end sections each having an inwardly-extending projection on an inner face thereof disposed in a plane substantially normal to the plane of said inner face; a laterally extending lug on each end of each of said projections adapted to pass through the cut-out portion of an adjacent front or rear section, and means on each lug engaging the outer surface of the front or rear sections adjacent the cut-out portion through which the lug passes for securing said sections together.

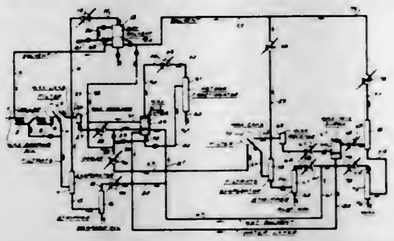
2,550,058
PRODUCTION OF OIL-FREE WAX AND DEWAXED OIL FROM WAX-BEARING LUBRICATING OIL STOCK WITH A DEWAXING SOLVENT LIQUID

William Provine Gee, Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application July 15, 1948, Serial No. 38,864
9 Claims. (Cl. 196—18)

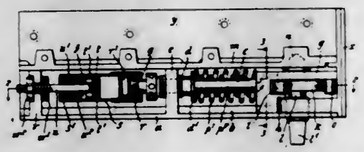
1. In the production of oil-free wax and dewaxed oil from wax-bearing lubricating oil stock with a dewaxing solvent liquid which exerts a substantially complete solvent action upon oil but substantially no solvent action upon wax constituents of the mixture at dewaxing temperatures of about 0° F. and below, and in which water is at least partially miscible and wherein said wax-bearing lubricating oil and solvent substantially free from water are chilled to said dewaxing temperature and subjected to wax separation to produce dewaxed oil dissolved in solvent and

also wax retaining some solvent and a small amount of oil, and said wax is re-dissolved in a further quantity of said solvent and subjected to a secondary separation at a temperature substantially above said dewaxing temperature to produce a secondary oil dissolved in solvent and a secondary wax of low oil content, the steps which comprise incorporating a small amount of water, obtained from a source subsequently referred to, in the mixture of primary wax and solvent prior to said secondary separation, such that the solvent exerts selective action as between wax and said retained oil at temperatures substantially below normal room temperature but above said dewaxing temperatures, cooling re-



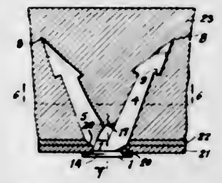
sulting mixture of wax, retained oil, solvent and water to a wax-crystallizing temperature substantially below normal room temperature, effecting crystallization of wax therefrom, and removing crystallized wax substantially free from oil from the mixture, subjecting the solutions of oil in solvent resulting from said separations to a flash distillation in the substantial absence of steam to produce distillates of dry solvent and distillation residues of oil and retained solvent, subjecting said distillation residues to distillation in the presence of steam to produce distillates of wet solvent, and using said wet distillates to supply water required for said secondary separation.

2,550,059
DOOR CLOSING SPRING AND CHECK
Paul Ellis Gibbons, Wolverhampton, England
Application November 18, 1949, Serial No. 128,081
In Great Britain December 16, 1948
4 Claims. (Cl. 16—55)



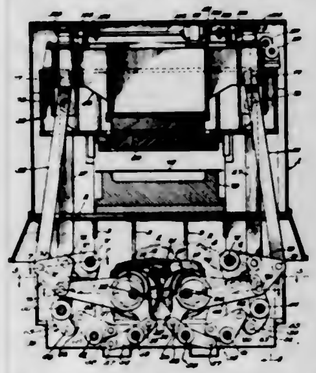
1. In a door shoe door spring and check, a base plate, a cover plate, a squared-ended spindle journalled in said base plate and cover plate, a cam on said spindle, a sliding stem having a head, a feather and keyway connection of said head to said base plate extending longitudinally along said base plate, rollers and a cam follower pin on said head contacting with said cam, a partition on said base plate through which said stem extends, a helical spring through which said stem extends and bearing against said head thereof and said partition, a dash pot cylinder connected to said stem, a piston in said cylinder, a piston rod connected to said piston, a second partition on said base plate, and means on said base plate adjustably holding said piston rod against longitudinal displacement.

2,550,060
SELF-LOCKING DRIVE FASTENING DEVICE
Emanuel Gisondi, New York, N. Y.
Application May 23, 1950, Serial No. 163,721
4 Claims. (Cl. 85—13)



1. A sheet metal nail having a head, a pair of flat prongs in partly overlapped substantially parallel relation, the overlapping edges of said prongs diverging at their free end portions to cause spreading apart of the prongs when the nail is driven into materials, one of said overlapping edges being provided with an element secured to the associated prong adjacent said head and extending alongside said prong, said element being provided with means to bend said element between said prongs when same are spread apart in application of said nail to prevent closing movement of the prongs in a direction toward one another.

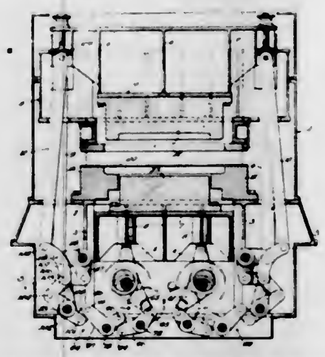
2,550,061
PRESS
Rudolph W. Glasner, Chicago, and Einar K. Johansen, Oak Park, Ill., assignors to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application October 19, 1949, Serial No. 122,208
6 Claims. (Cl. 113—38)



1. A mechanical press comprising a frame structure including a bed, a female die member carried by the bed and adapted to support an article which is to be shaped, a clamp slide slidably mounted in the frame structure, a draw slide slidably mounted in the clamp slide and movable with respect to the clamp slide, a male die member mounted on the draw slide, a clamp slide eccentric and a draw slide eccentric, both of said eccentrics being mounted on a common drive shaft, a bell crank pivotally mounted on the frame structure, a plurality of rocker arms pivotally mounted on the frame structure, links interconnecting said rocker arms, said links and said rocker arms interconnecting the clamp slide eccentric with the bell crank, a clamp slide link interconnecting said bell crank with the

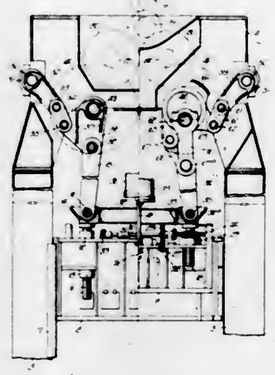
clamp slide, said clamp slide eccentric and said bell crank, rocker arms and links being so arranged and coordinated with respect to each other that operation of the clamp slide eccentric will bring the clamp slide into clamping engagement with the article to be shaped on the female die member and then cause the clamp slide to dwell so as to hold the said article on the female die member, a second bell crank pivotally mounted on the first said bell crank at a point thereon spaced from the pivot of said first bell crank to the frame structure, means connecting one arm of said second bell crank to said draw slide eccentric, and a draw slide link interconnecting the draw slide with the other arm of said second bell crank, said eccentrics being angularly offset from each other so that operation of the clamp slide eccentric will move both slides toward the bed, bringing the clamp slide into clamping position and causing the same to dwell, and so that effective operation of the draw slide eccentric to effect the drawing operation of the draw slide will occur during the dwell of the clamp slide.

2,550,062
TRIPLE-ACTION PRESS
Rudolph W. Glasner, Chicago, and Einar K. Johansen, Oak Park, Ill., assignors to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application January 20, 1950, Serial No. 139,617
6 Claims. (Cl. 113—38)



1. A mechanical press of the triple action type comprising a frame structure including a bed, a clamp slide, a primary draw slide, a secondary draw slide, a clamp slide eccentric, a primary draw slide eccentric and a secondary draw slide eccentric, all of said eccentrics being mounted on a common drive shaft, a bell crank pivotally mounted on the frame structure, a plurality of rocker arms pivotally mounted on the frame structure, a set of links interconnecting said rocker arms, said links and said rocker arms interconnecting the clamp slide eccentric with said bell crank, a clamp slide link connecting said bell crank with said clamp slide, said clamp slide eccentric, bell crank, rocker arms and links being so arranged and coordinated with respect to each other that operation of the clamp slide eccentric will bring the clamp slide to clamping position and then cause the clamp slide to dwell, a second bell crank pivotally mounted on the first said bell crank at a point thereon spaced from the pivot of said first bell crank to the frame structure, a second plurality of rocker arms pivotally mounted on the frame structure, a second set of links interconnecting said second plurality of rocker arms, said second plurality of rocker arms and said second set of links interconnecting the primary draw slide eccentric with one arm of said second bell crank, a draw slide link connecting the other arm of said second bell crank with said primary draw slide, said primary draw slide eccentric, second bell crank, and second plurality of rocker arms and links being so arranged and coordinated with respect to each other that operation of the primary draw slide eccentric will cause said primary draw slide to perform a drawing operation and then dwell, and means connecting said secondary draw slide eccentric with said secondary draw slide, said eccentrics being angularly offset from each other so that operation of the clamp slide eccentric will move both the clamp slide and the primary draw slide toward the bed bringing the clamp slide into clamping position, the effective operation of the primary draw slide eccentric to effect the drawing operation of the primary draw slide will occur during the dwell of the clamp slide, and so that the effective operation of the secondary draw slide eccentric to effect the drawing operation of the secondary draw slide will occur during the dwell of the clamp slide and the primary draw slide.

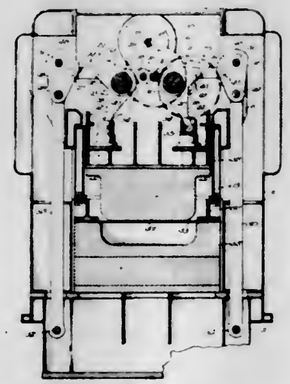
2,550,063
HIGH-SPEED METAL DRAWING PRESS
Einar K. Johansen, Oak Park, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application August 7, 1950, Serial No. 177,982
9 Claims. (Cl. 113—38)



1. A mechanical metal drawing press comprising a frame structure including a base, a crown and side members, a blank holder slide mounted for reciprocation within said frame, a draw slide mounted for reciprocation within said blank holder slide, a rock shaft and a crank shaft mounted in said frame, means for driving said shafts, linkage mechanism including a part mounted for pivotal movement with respect to said frame drivingly connecting the rock shaft with said blank holder slide, a link connected to the draw slide, a second linkage mechanism including a part mounted for pivotal movement with respect to the frame drivingly connecting the rock shaft with said link, and a second link connecting the crank with said first link, said

shafts, drive means, links and linkage mechanisms being so coordinated that operation of the rock shaft will move both slides toward the bed, bringing the blank holder slide into clamping position and causing the same to dwell, and that operation of said crank will effect further movement of the draw slide during the dwell of the blank holder slide to perform the drawing operation.

2,550,064
DOUBLE-ACTION METAL DRAWING PRESS
William E. Ward, Cleveland, Ohio, assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application August 7, 1950, Serial No. 177,983
8 Claims. (Cl. 113—38)



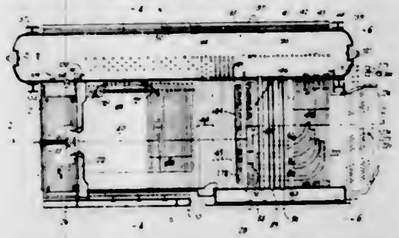
1. A mechanical metal working press comprising a frame structure, a blank holder slide guided for reciprocation within said frame structure, a draw slide guided for reciprocation within said blank holder slide, linkage mechanism comprising a plurality of pivoted links pivotally connected at one end thereof to the frame and at the other end thereof to the blank holder slide, crank means mounted on said blank holder slide and reciprocable therewith, means connecting the crank means with said draw slide, and means connecting said crank means with the other end of said linkage mechanism at a point thereon different from the connection thereof with the blank holder slide, said linkage mechanism, crank means and the several connecting means being so arranged and coordinated that operation of said crank means will move said blank holder slide to clamping position carrying with it said draw slide and then will cause further movement of said draw slide to effect a drawing operation.

2,550,065
CLIMBING TOY
Robert K. Hallum, Brownwood, Tex.
Application July 17, 1947, Serial No. 761,720
9 Claims. (Cl. 46—132)

1. A toy including, an elongate flexible element in the nature of a cord adapted to be held taut in a substantially vertical position, a member having a vertical passage receiving the flexible element, said passage being larger at the lower end than the upper end, an elongate spring extending laterally from the member, and a weight secured to the outer end of the spring, whereby the member is caused to ascend or descend on the flexible element upon manipulations of said element.



2,550,066
STEAM GENERATOR
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application November 29, 1944, Serial No. 565,602
5 Claims. (Cl. 122—347)



2. A steam generator comprising a horizontally elongated casing enclosing a longitudinal steam and water drum, a longitudinal water drum therebeneath, a bank of upright water tubes between and communicating with said drums, a combustion chamber in front of the tube bank, longitudinal headers on opposite sides of the combustion chamber and having rear portions at opposite sides of said water drum, downcomer tubes located within said tube bank with their upper ends connected to the bottom of said steam and water drum close to the vertical axial plane thereof, the lower ends of said downcomer tubes being connected to the rear portions of said headers, and upright water wall tubes adjacent the side walls of the combustion chamber with their lower ends connected to the headers and their upper ends communicating with the stream and water drum.

2,550,067
APPARATUS FOR PERFORMING CHEMICAL TESTS
Thomas A. Hewson, Medfield, Mass., assignor to Lessells and Associates, Inc., Boston, Mass., a corporation of Massachusetts
Application March 24, 1950, Serial No. 151,763
8 Claims. (Cl. 23—253)

1. Apparatus of the class described, comprising a casing, an upper door hinged to said casing,

a receptacle-receiver pivotally mounted on said door, means mounted within the casing for engaging a receptacle in said receiver and for tilting it through a succession of predetermined angles, a lower door hinged to said casing beneath



said upper door, a heater secured to said lower door in position to underlie the receiver when both doors are in closed position, and a fluid container secured to said lower door in position to underlie said receiver when the upper door is closed and the lower door is opened.

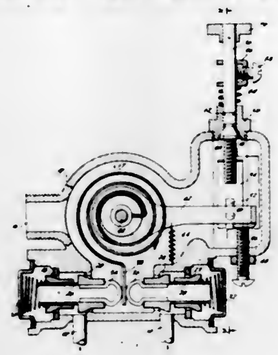
2,550,068
MAGNETIC BRAKE EQUALIZING SYSTEM
George D. Hudson, Los Angeles, Calif., assignor to Hudson Manufacturing Company, Inc., a corporation of California
Application December 6, 1948, Serial No. 63,641
3 Claims. (Cl. 188—3)



1. In a vehicle having a pair of friction brakes associated with wheels on opposite sides thereof, a corresponding pair of solenoids for controlling the braking force applied by said brakes, and first and second conductors adapted for energization from a common control circuit, said brakes being subject to unbalance due to inequalities of their parts: the combination therewith of third and fourth conductors respectively connecting opposite ends of one solenoid to said first and second conductors, fifth and sixth conductors respectively connecting opposite ends of the other solenoid to said first and second conductors, and adjustable resistor means connected in series with at least one of said four last mentioned conductors for controlling the proportion of current flowing to said solenoids when said first and second conductors are energized whereby the braking forces applied by said brakes may be substantially balanced.

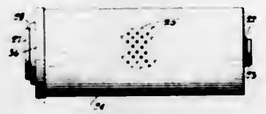
2,550,069
THERMOSTATICALLY CONTROLLED MIXING VALVE
Wayne C. Kirk, South Bend, Ind., and Malcolm K. Parkhurst, New York, N. Y.; said Kirk assignor to Lyndon W. Burch, New York, N. Y.
Application June 25, 1946, Serial No. 679,088
2 Claims. (Cl. 236—12)

1. In a mixing valve, a housing having hot and cold water inlet ports and an outlet port, a pair of balanced valve members movably arranged in said housing and disposed in the respective paths of flow between said inlet ports and said outlet port, a shaft turnably mounted and enclosed within said housing, a bimetallic element having one end secured to said shaft and the other end connected to simultaneously adjust the positions of said valves, an arm within said housing secured to said shaft, abutment means for limiting the turning of said shaft in both directions, one of said abutment means including a threaded member, a shaft rotatably mounted in and extending through said housing and having



threaded engagement with the abutment member, whereby rotation of the last-mentioned shaft changes the position of said abutment member, and means operable from the exterior of said housing for turning said arm from contact with one of said abutment means to contact with the other abutment means.

2,550,070
METHOD OF MAKING FILTER UNITS
Theodore A. La Brecque and Eugene H. Proulx, Elmira, N. Y., assignors to The Hilliard Corporation, New York, N. Y., a corporation of New York
Application June 29, 1945, Serial No. 602,344
4 Claims. (Cl. 29—148)

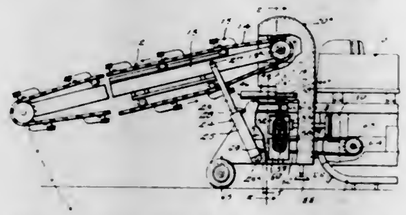


1. A method of forming a filtering unit which includes employing a layer of fibrous material with the fibers thereof extending substantially parallel to the edges of the sheet, coiling said sheet to provide a cylindrical body, axially compressing a plurality of said bodies to a portion of their initial height and in a direction transverse to the direction in which the fibers extend, and disposing the compressed mass of filtering material within a perforate cylinder.

2,550,071
TRENCH DIGGING ATTACHMENT FOR TRACTORS
Joseph S. Larkin, Dauphin, Pa.
Application July 14, 1947, Serial No. 760,787
2 Claims. (Cl. 37—90)

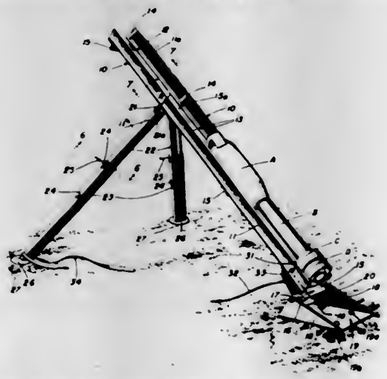
1. In combination with a tractor having a power take-off and a drive shaft for the traction means thereof; a trench digging attachment comprising a mobile frame, means removably securing said frame to the rear end of said trac-

tor; a first transverse shaft journalled in said frame, driving means for said first shaft including rotatable means secured to said power take-off and a speed changing transmission means operatively interposed between said first shaft and said rotatable means; a second transverse shaft journalled in said frame above said first shaft, a boom having one end pivotally carried by said second shaft, an endless digging member carried by said boom, means fixed on said second shaft and engaging said digging member for driving the latter, driving connections between said first and second shafts, transversely extending endless conveyor means disposed below said one end of said boom and adapted to receive the material discharged from said digging mem-



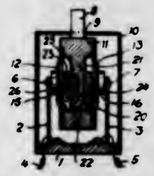
ber, said conveyor means including a pair of rollers disposed on opposite sides of said frame and rotatably carried thereby, and an endless belt trained over said rollers, driving connections between said second shaft and one of said pair of rollers, said latter driving connections including speed changing means; a third shaft journalled in said frame and disposed below said first shaft, driving connections between said third and first shafts, operating connections between said third shaft and said drive shaft for driving the traction means of said tractor whereby the relative speeds of said power take-off, said digging member and said conveyor means may be adjusted and controlled.

2,550,072
ROCKET LAUNCHER
Frederick C. Lindvall, Altadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application December 29, 1944, Serial No. 570,420
2 Claims. (Cl. 89—1.7)



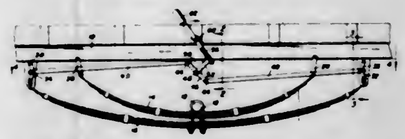
1. In a rocket launcher, a launcher track for supporting and guiding a rocket, a base plate at the rear end portion of the track, an interengaged rod and ears forming a hinge connection between the rear end portion of the track and said base plate and on the rod of which hinge connection the ears are slidable laterally to adjust the rear end of the track and so alter the train thereof, legs adjacent to the front of the track to assume standing positions for supporting the track, and hinge connections between the track and one end of each leg, the hinges being laterally loose for adaptation of the track to the legs in training.

2,550,073
MERCURY SWITCH
Alrik Civer Lindström, Stockholm, Sweden
Application September 29, 1947, Serial No. 776,645
In Sweden January 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 24, 1966
5 Claims. (Cl. 200—152)



1. In a mercury switch, a closed receptacle, at least one mercury mass in said receptacle, a cavity in said receptacle separated from the space taken up by the mercury mass and separated from the path followed by a normal arc occurring in said receptacle when a current interruption takes place, a material in said cavity emitting a reducing vapor, which material has at least such a semi-solid consistency that said material remains in said cavity.

2,550,074
ADJUSTABLE VEHICLE SPRING ASSEMBLY
Harry G. Marshall, New Westminster, British Columbia, Canada
Application July 23, 1947, Serial No. 762,930
6 Claims. (Cl. 267—45)

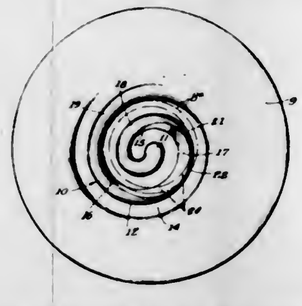


1. A vehicle spring assembly including primary and secondary springs, said springs being rigidly attached to an axle, said primary spring being separately shackled to a vehicle frame, said secondary spring being provided at each end thereof with one end of a toggle link means having its other end pivotally attached to said vehicle frame and connecting means joining said toggle links.

2,550,075
SAUCER
William H. Martin, North Hollywood, Calif.
Application February 12, 1948, Serial No. 7,861
3 Claims. (Cl. 65—15)

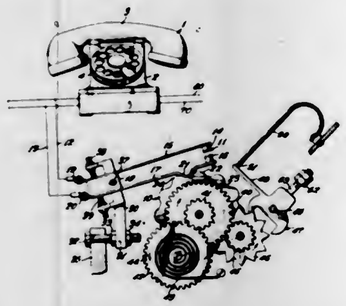
1. In combination, a conventional cup having a bottom annular support face defining an inwardly dished bottom face, and a saucer having a dished upper face and formed with a spiral embossment on said latter face that extends from the approximate center of the saucer toward the

rim thereof, said embossment, along one of its convolutions, being reduced in height with relation to the remaining convolutions whereby the bottom annular support face of the cup is



adapted to cross over above said reduced convolution and the remaining portion of said annular support face resides between convolutions to be held thereby against slippage.

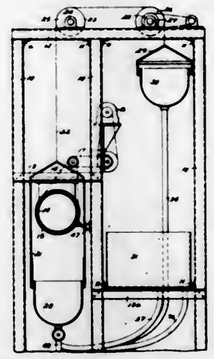
2,550,076
FIRE ALARM
Lewis H. McCarron, Los Angeles, Calif.
Application November 8, 1948, Serial No. 58,869
3 Claims. (Cl. 179—5)



1. Fire alarm apparatus for a dial telephone system having automatic switching equipment and a special line, said apparatus comprising dial means for producing dialing impulses in a prolonged series of unit digits, means for supplying said impulses to a subscriber's line of said system to operate the automatic switching equipment of said system and select said special line, a motor for said dial means, an escapement for controlling operation of said motor and a thermo-responsive movable abutment for controlling said escapement.

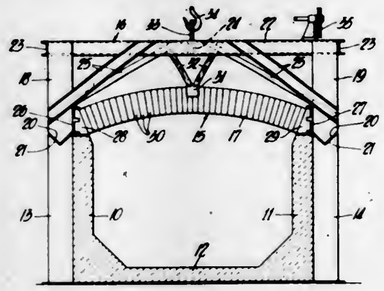
2,550,077
PICKLING OR LIQUOR-PROCESSING ARTICLES
John C. Mills, Wolverhampton, England
Application April 30, 1948, Serial No. 24,389
In Great Britain May 8, 1947
7 Claims. (Cl. 51—164)

1. Means for use in liquor-processing articles said means comprising a perforated basket, an open-topped container for holding processing liquid and placed below said basket, means for raising and lowering said container, said container, when in its fully raised position, enveloping said basket, whereby said processing liquid in said container then has access to articles in said basket, a stock tank for storing said processing liquid and being positioned above the lowest position of said container and below the highest



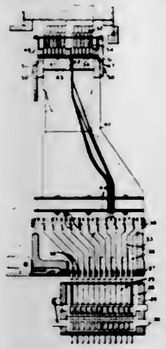
position thereof, and means for permitting processing liquid to flow from said container, when in its highest position, into said stock tank and for permitting processing liquid to flow from said stock tank into said container when the latter is in its lowest position.

2,550,078
PORTABLE ROOF FOR OPEN-HEARTH FURNACES
Jack A. McDonald, Duluth, Minn.
Application August 27, 1947, Serial No. 770,780
3 Claims. (Cl. 110—99)



1. In a furnace having walls and upright buckstays, a roof structure comprising a plurality of sectional units arranged end to end across the length of the furnace, said units each including framework having uprights, end and side beams and diagonal braces, said uprights removably resting on said buckstays in vertical alignment therewith for supporting the unit directly on the buckstays, interfitting means on the lower ends of said uprights and on the upper ends of said buckstays for retaining them in vertical alignment, a pair of skewbacks, one of which bears against the uprights on each side of said framework, skew bricks fitting against said skewbacks, and arched brickwork extending across the sectional unit and bearing against said skew bricks, the units being individually removable and replaceable.

2,550,079
WIRING UNIT
Harold P. Mixer, Rockville Centre, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application September 15, 1948, Serial No. 49,350
6 Claims. (Cl. 235—61.6)



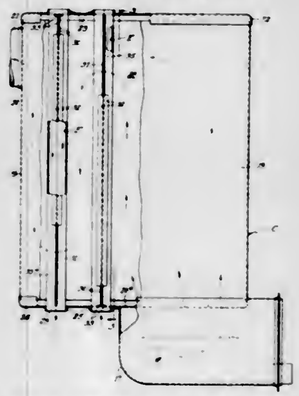
1. In an interchangeable wiring unit for transmitting information from one set-up mechanism of a card controlled machine to another set-up mechanism of said machine, the combination of a push-rod actuated by the first said set-up mechanism and having a plurality of wells therein, one or more Bowden wires terminating in said wells and actuated by said push rod, and one or more plungers each actuated directly by one or more of said Bowden wires, said plungers in turn each actuating an element of the other set-up mechanism.

2,550,080
HYDRAULIC TYPE FISHING TOOL FOR DRILLED WELLS
George Waldo Moore, Long Beach, Calif.
Application March 11, 1949, Serial No. 80,793
11 Claims. (Cl. 294—86)



9. A well clean out hydraulic type basket comprising a diversion unit, means securing said diversion unit to a string of pipe, a junk collecting basket mounted below said diversion unit, a packer cup on said diversion unit, a by-pass pipe within said diversion unit and opening through the wall of said diversion unit below the packer cup, a second by-pass pipe in the diversion unit, said second by-pass pipe opening through the wall of the diversion unit above the packer cup, a transverse wall in said diversion unit, each of said by-pass pipes extending through said wall, flexible fingers in said basket whereby junk is retained therein, and a flap valve adjacent the upper end of said basket.

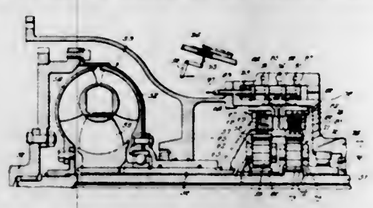
2,550,081
AIR-HEATING FURNACE AND HOLLOW BAFFLE STRUCTURE THEREFOR
Clifford Wade Nesbitt, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 26, 1947, Serial No. 744,097
11 Claims. (Cl. 126—110)



1. In a space heater and the like a plurality of sheet metal walls defining a closed hollow casing, one of said walls having an outlet aperture; a plurality of structurally independent spaced baffles arranged transversely in the portion of said casing adjacent said apertured wall and extending to the side walls of said casing, the baffle which is farthest from said apertured wall together with the other casing walls defining a combustion chamber; means supplying ignited gases to the lower region of said combustion chamber; said baffles being cooperatively associated with each other and with the casing walls for directing the products of combustion in a circuitous path in transit from said combustion chamber to said outlet aperture; said baffles being of hollow section to define air ducts extending through the upper and lower casing walls and being adapted to pass extraneous air upwardly through said casing whereby said air is heated by the products of combustion moving through said circuitous path; the ends of said baffles having restricted throats defining inlet and discharge regions adapted to retard passage of extraneous air therethrough; recessed regions adjacent the ends of said baffles defining passages for products of combustion past said baffles; and means for creating an air current directed towards the inlet regions of said air ducts.

2,550,082
ROTARY TURBINE-TYPE HYDRAULIC TORQUE CONVERTER
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 5, 1943, Serial No. 485,718
18 Claims. (Cl. 60—54)

18. In a transmission for an engine driven vehicle, the combination of an accelerator for controlling the speed of the vehicle engine, an input shaft adapted to be rotated in the forward direction by the engine, an output shaft, a hydrodynamic torque converter device having a vaned reaction element, a vaned impeller and a vaned rotor, said impeller being driven by said input shaft and said rotor driving said output shaft, means for driving said reaction element from one of said shafts to rotate relative to each other in a predetermined relationship when the torque converter device functions to drive the output shaft at increased torque and there is reaction in the reverse direction on the reaction element,



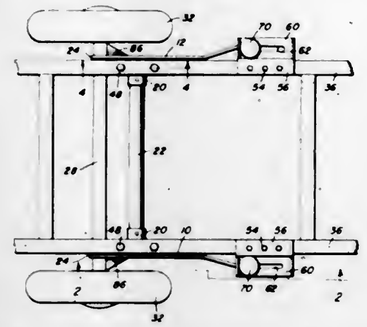
means for disconnecting the drive from said one shaft to said reaction element, control means including a one-way brake preventing free retrograde movement of said reaction element when the said drive is disconnected and the torque converter device functions to drive the output shaft at increased torque and there is reaction in the reverse direction on the reaction element, and means operatively connecting said accelerator and said disconnecting means to establish said drive to said reaction element at one position of the accelerator and for disconnecting said drive when the accelerator is moved to another position.

2,550,083
SPRING TRAILER COUPLER
Edwin J. Pazdernik, Campbell, Minn.
Application April 8, 1948, Serial No. 19,803
2 Claims. (Cl. 280—33.9)



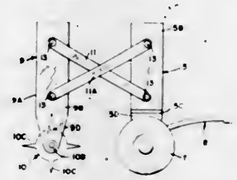
1. A spring trailer coupler or hitch comprising a hitch plate having upwardly bent ends, a rod extending through the ends of the hitch plate for sliding movement relative thereto, means for attaching one end of the rod to a tractor, means for connecting the said hitch plate to a trailer, an inner balance spring disposed on the rod between the said upwardly bent ends of the hitch plate abutting one of its ends at one of the said bent up ends of the hitch plate and means permanently secured to the said rod against which the other end of the inner balance spring may react, and an outer balance spring disposed on the rod abutting one of its ends at the opposite side of said one of the said bent up ends and means disposed adjacent the other end of the rod against which the other end of the outer balance spring may react, the said means permanently secured to the rod lying in the space within the bent up ends of the hitch plate and upon rupture of the outer of the springs adapted to engage the other bent up portion of the hitch plate, whereby the said means is permanently secured to the rod and thereby the latter may lock with the other bent up portion to assume the pull of the trailer upon breakage of the outer spring.

2,550,084
WHEEL SUPPORTING SIDE MEMBER, INCLUDING A SPRING MOUNTING THEREFOR
Harry Raymond Randleman, Rogue River, Oreg., assignor of twelve and one-half per cent to Karl Feuerhelm, Rogue River, Oreg.
Application April 8, 1948, Serial No. 19,828
7 Claims. (Cl. 280—124)



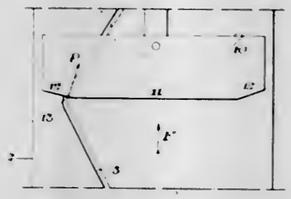
1. In a supporting frame including a pair of side rails, a wheel support comprising a pair of side members, a wheel supporting axle carried by said side members, a pair of guide plates carried by the side rails having longitudinal slots, spring housings slidably carried by the guide plates, hanger rods positioned in said housings and slidably received in the slots, pressure plates carried by the hanger rods, spring means positioned in the housing engaging the pressure plates and normally urging the hanger rods to a raised position, means connecting the hanger rods to said side members, and further springs means limiting the downward movement of said hanger rods.

2,550,085
HORIZONTALLY REVOLVING STALK CHOPPER
Edgar B. Reeves, Raymondville, Tex.
Application April 29, 1948, Serial No. 24,039
1 Claim. (Cl. 55—61)



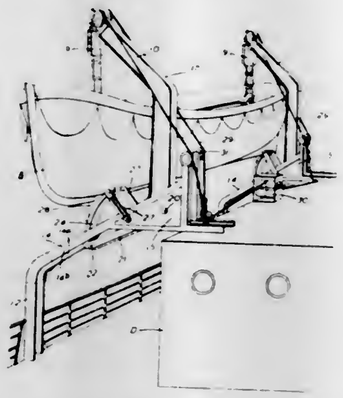
In a stalk cutting machine of the character described for attachment behind a forwardly located wheel borne frame and including a rearwardly located and ballasted frame with a supporting and rolling stalk cutter reel, the improvement which comprises a pair of flat and elongated arms extending between the front and rear frames at each side, and said arms being pivotally attached at their respective front and rear ends to the frames at vertically spaced points, and the said arms being further arranged in criss-cross relation at each side so as to impart both upward and downward and forward and rearward chopping motions and action to the rear frame and cutter reel as the cutter reel rolls over uneven and irregular field surfaces.

2,550,086
CROSS WINDING YARNS ON THEIR SUPPORTING REELS
Marcel Rouge, St. Rambert-l'Ile Barbe, France, assignor to Societe Rhodiaceta, Paris, France, a corporation of France
Application March 19, 1946, Serial No. 655,396
In France March 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1961
4 Claims. (Cl. 242—43)



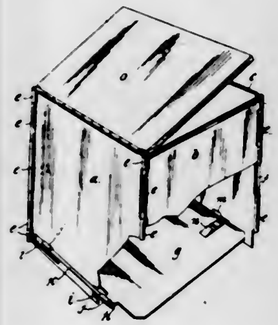
1. A device for producing cross windings of yarn, comprising a rotatable drum, a rotatable bobbin disposed adjacent to said drum for receiving yarn therefrom, means carried by said drum for directing the yarn in spiral layers alternately directed toward opposite ends of the bobbin, and pressure-exerting means, disposed between the drum and bobbin and in contact with the yarn along a predetermined line between the point where said yarn leaves the drum and the point where it engages the bobbin, said pressure-exerting means having a rectilinear yarn-contact surface tapered at opposite end portions thereof thereby to engage the yarn at different angles at opposite ends of the bobbin.

2,550,087
LAUNCHING AND LOWERING GEAR
William Cameron Rouse, Birkdale, and William Edward Morley, Gillingham, England
Application October 15, 1945, Serial No. 622,252
In Great Britain October 23, 1944
8 Claims. (Cl. 9—38)



1. A davit comprising a stand, a davit arm having a foot at its lower part, a fulcrum-rest on the stand for the heel of said foot, a link having one of its ends pivotally connected to the stand substantially concentric with said fulcrum-rest and having its other end pivotally connected to the toe of said foot, a keel-supporting link having one of its ends pivotally connected to the toe of said foot, a stop link having one of its ends pivotally connected to the other end of said keel-supporting link and its other end pivotally connected to the stand, said stop link embracing a part of the davit frame whereby it will interlock therewith to limit movement of the first mentioned link and having a part located in the path of movement of the davit arm to limit outboard movement thereof, and a keel rest on said keel-supporting link.

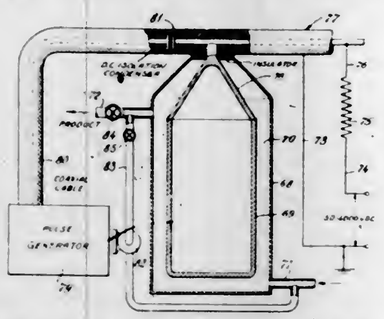
2,550,088
COLLAPSIBLE METAL BOX
John Thomas Sayer, Ifield, England, assignor to Sayer's Metal Products Limited, London, England
Application October 28, 1948, Serial No. 56,950
In Great Britain November 10, 1947
4 Claims. (Cl. 220—6)



2. In a collapsible box, vertical side walls of said box formed with elongated horizontally disposed slots adjacent their bottom edges and hinged together at their vertical edges, a bottom of said box foldable upwardly within said box about hinge elements disposed between one edge of said bottom and a bottom edge of one of the said side walls, said bottom hinge elements comprising tongues on one edge of said bottom and extending through said slots in said side wall, each said slot in said side wall extending in both directions beyond the width of the tongue extending therethrough, and a transverse rod external to said box and secured to each said tongue, and lugs protruding inwardly from the three other side walls adjacent their bottom edges at the level of said slots.

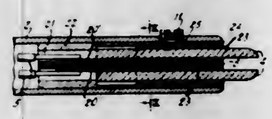
2,550,089
ELECTROCHEMICAL CONVERSION OF HYDROCARBONS
Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application August 31, 1946, Serial No. 694,387
4 Claims. (Cl. 204—171)

4. A method of converting hydrocarbons in the gas phase that comprises subjecting the hydrocarbons while in the gas phase to a succession of pulses of ionizing electrical energy, each pulse having a duration of from 0.1 to 2500 micro-



seconds followed by a rest period of substantially greater duration.

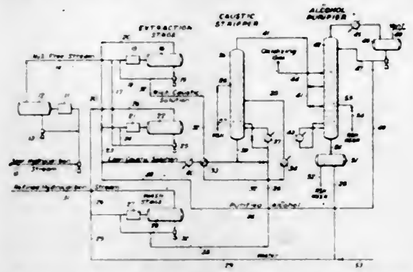
2,550,090
SOLDERING TOOL
Ottmar Schnepp, Fellbach, near Stuttgart, Germany, assignor to William C. Palmer, New York, N. Y.
Application February 12, 1949, Serial No. 76,110
In Austria July 20, 1948
2 Claims. (Cl. 219—26)



1. A soldering tool including a tubular member, electric conduits extending into said member and projecting rearwardly therefrom, and a head unit inserted forwardly into said tubular member and comprising an insulating central flat spacer member, two electrically conductive members each having a flat longitudinal portion placed on opposite sides of said spacer member and having a rear portion connected to said conduits, an insulating body surrounding the rear portions of said spacer member and said conductive members and fitting into said tubular member, two electrodes having substantially semi-circular cross section with the flat sides individually contacting the flat portions of said conductive members, said conductive members each having a longitudinal forward portion extending individually around the curved sides of said electrodes and holding same in place, and tubular insulating means adjacent to the inside of said tubular member and surrounding the semi-circular portions of said conductive members with the spacer member therebetween.

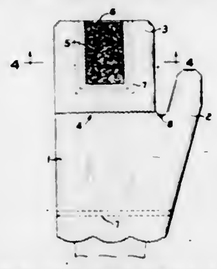
2,550,091
MERCAPTAN REMOVAL FROM HYDROCARBONS
James E. Seebold, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 11, 1948, Serial No. 45,041
7 Claims. (Cl. 196—32)

1. A process for removing mercaptans from a mercaptan-containing lower aliphatic alcohol obtained by distillation from a caustic-alkali solution spent in desulfurizing a sour petroleum hydrocarbon which comprises fractionally distilling said mercaptan-containing lower aliphatic alcohol in contact with an oxidizing gas stream



and withdrawing a vaporous alcohol stream of substantially reduced mercaptan content.

2,550,092
SCOURING MITT
Mary Sitek, Detroit, Mich.
Application November 5, 1947, Serial No. 784,120
2 Claims. (Cl. 15—227)

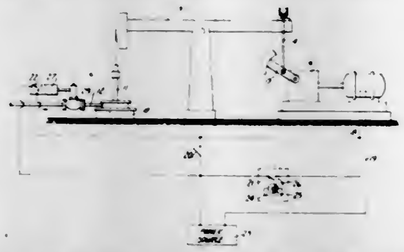


1. A scouring mitt comprising a body portion adapted to enclose the fingers and palm of the hand, a thumb-receiving portion extending laterally therefrom, a flap secured to said body portion at the upper part thereof to form a pocket with an open edge, said flap having an opening of substantial area for exposing a scouring pad inserted in the pocket, said flap extending downward to substantially the base line of said thumb portion, said pocket having its opening at the lower end of said flap, said opening in the flap extending to the upper edge of said body portion and being spaced substantially from the respectively adjacent side and bottom edges of said flap, whereby a pad inserted in the pocket is overlapped at its upper edge by said flap.

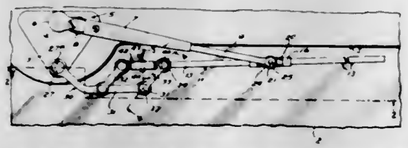
2,550,093
OIL WELL CONTROL SYSTEM
Grafton A. Smith, Tulsa, Okla., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 15, 1949, Serial No. 81,573
5 Claims. (Cl. 103—25)

1. A control system for a well installation comprising a reciprocating well pump, a prime mover for said pump, an energizing electric circuit for said prime mover, and conduit means for the fluid delivered by said pump, said control system comprising a normally closed switch in said electric circuit, adjustable actuator means for opening said switch upon movement to a predetermined position, motor means for continuously moving said actuator means toward said position, check valve means in said conduit means, and transmission means between said check valve means

and said actuator means responsive to the periodic opening at each pump stroke of said check valve means by the pump fluid for periodically moving said actuator means in a direction opposite to that of the motion of said motor means, whereby said actuator means are prevented from opening said switch during the delivery of the pump fluid to said conduit means.



2,550,094
WIPER BLADE CONTROL LINKAGE
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application July 26, 1945, Serial No. 607,117
17 Claims. (Cl. 15—255)



1. In a windshield wiper, the combination with an operating shaft, of a wiper arm carried thereby, a wiper blade connected to the arm with freedom for pivotal movement about a fore and aft axis, a movement modifying arm having a pivot connection arranged in a fixed relationship to the operating shaft, and a linkage connecting the movement modifying arm to the wiper blade at a point spaced longitudinally from the point of connection between the blade and wiper arm to control the angular movement of the blade in response to actuation by the wiper arm.

2,550,095
WINDSHIELD WIPER
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application January 5, 1946, Serial No. 639,384
10 Claims. (Cl. 15—255)



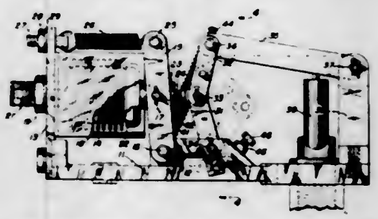
1. A windshield wiper arm comprising, in combination, an inner supporting section adapted for mounting on an operating shaft, an extension section carried thereby comprising relatively telescoping parts, said parts including provision for relative lengthwise adjustment by coarse increments, a biasing section pivoted on the extension section, and a wiper carrying section carried by the biasing section, said biasing and wiper carrying sections including means for effecting relative lengthwise adjustment by relatively fine increments.

2,550,096
PUSHING IMPLEMENT
Edwin J. Strandberg, Deadwood, S. Dak.
Application April 9, 1948, Serial No. 20,149
1 Claim. (Cl. 254—17)



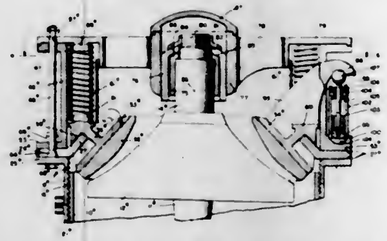
A pushing implement of the character described comprising an elongated shank, piercing prongs depending from the lower end of said shank and adapted to penetrate a sub-floor surface, work engaging means pivotally connected to the shank adjacent its lower end for engaging and pushing an element when the shank is swung on the embedded prongs as a pivot in one direction, said work engaging means including an arm formed of end portions of approximately the same length disposed at an oblique angle to one another, the terminal of one of said end portions being pivotally connected to the shank and extending outwardly and downwardly therefrom, the distance between the pivot and the free ends of the prongs being more than one-half the length of each end portion and less than the full length of each end portion, the other end portion of said arm being normally disposed at substantially a right angle to the axis of the shank, and a work engaging head at the outer end of said last mentioned end portion having a bottom face disposed below the level of the last mentioned end portion for engaging the sub-floor surface.

2,550,097
POSITIVELY OPERATED CONTROL
Charles H. Tindal, State College, Pa., and Lincoln K. Davis, Brockton, Mass., assignors to the United States of America as represented by the Secretary of the Navy
Application May 17, 1946, Serial No. 670,590
3 Claims. (Cl. 114—20)



3. A hydrostatically operated control for a torpedo comprising, an expansible chamber one side of which is exposed to a source of hydrostatic pressure, a toggle arrangement disposed with its knee portion in the path of movement of the expansible chamber upon expansion thereof, means for normally urging said toggle to a position in which said knee portion bears against said expansible chamber, a control actuating lever secured to said toggle so as to be operable upon collapse of said toggle when said knee portion has been moved through the dead center of said toggle by the force of said expansible chamber, said expansible chamber being inoperative to move said knee portion after the collapse of said toggle, control means operated by said lever to condition the torpedo for retrieval upon increase of hydrostatic pressure beyond a predetermined amount.

2,550,098
GYRATORY CRUSHER
Samuel W. Traylor, Jr., Allentown, Pa.
Application April 22, 1947, Serial No. 743,078
9 Claims. (Cl. 241—209)



1. A gyratory crusher comprising a substantially circular frame, a concave, a backing for the concave to which the concave is attached, and means for supporting the backing on the frame, said means comprising a plurality of inwardly projecting, circularly aligned, arcuate seats having their upper faces disposed on an upwardly and inwardly inclined frusto conical surface and their ends spaced apart to provide slots therebetween, a laterally projecting flange associated with the backing disposed on said arcuate seats and having its undersurface disposed on a frusto conical surface to mate with the upper faces of the seats, a plurality of integral vertical webs on the backing disposed in said slots, and resilient means for urging the flanges downwardly upon the seats.

2,550,099
FLEXIBLE HOSE FOR SUCTION CLEANERS
John E. Vance, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 14, 1949, Serial No. 98,920
6 Claims. (Cl. 138—56)



1. A flexible hose comprising, a coiled spirally wound reinforcing spring wire, a single thickness tube of elastomeric thermoplastic material having a normal internal diameter substantially the same as the unstressed internal diameter of said spiral positioned over said spiral and an elastomeric cord wound spirally over said tube between the convolutions of said spiral, the coils of said spiral being under both axial, diametric and circumferential stress tending to shorten the pitch and increase the diameter of the coils of said spiral to force the walls of said tube outwardly between the convolutions of said cord, said elastomeric cord being under circumferential tension tending to decrease the internal diameter of its coils and force the walls of said tube inwardly between the convolutions of said spiral and said elastomeric tube being under axial stress tending to resist the action of said spring and cord whereby said tube assumes a corrugated formation.

2,550,100
DISCHARGE DEVICE
Walter W. Voss, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application January 15, 1946, Serial No. 641,297
12 Claims. (Cl. 169—11)

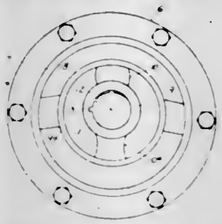


1. A fire extinguishing discharge nozzle for liquid carbon dioxide comprising a movable member which has a circular periphery and a base member which has a surface area the plane of which is parallel to the plane of said circular periphery, a conduit for expanding liquid carbon dioxide into the space between said members in the direction of the center of the movable member so that the carbon dioxide snow and vapor mixture resulting from said expansion will spread out laterally in all directions and issue as a sheet from between said members, a plurality of connecting elements for mounting said movable member for limited free movement on said base member, and means for receiving the issuing sheet of carbon dioxide snow and vapor mixture and diverting it to flow in a common direction from the device.

2,550,101
FLEXIBLE COUPLING
Leon Wallerstein, Jr., Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application November 28, 1944, Serial No. 565,528
3 Claims. (Cl. 64—11)

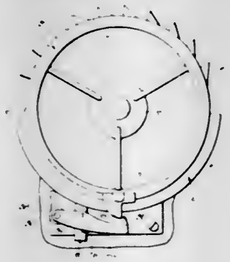
1. In a coupling, inner and outer driving and driven members having circumferentially extending radially spaced surfaces, an intermediate member between and radially spaced from each of said surfaces, and angularly spaced rubber

blocks alternately disposed on and secured to the inner and outer surfaces of the intermediate



member and respectively secured to the surfaces of the inner and outer members.

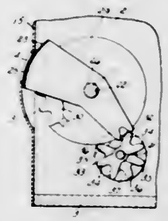
2,550,102
TIMING DEVICE
Edwin C. Weiskopf, New York, N. Y.
Application June 28, 1949, Serial No. 101,733
2 Claims. (Cl. 161—1)



1. In a timing device operable with a rotary timing disk, with a control lever operable under the control of said disk, and with a retracting device operable to retract said lever from the control of said disk, means for holding said lever in retracted position comprising a latching lever movable in a plane parallel to the plane of movement of said control lever, a projection on said control lever positioned transversely of said planes, said latching lever having a recess in an edge thereof, and a spring connected to said latching lever and normally holding said edge of the latching lever against said projection except when the control lever is retracted by said retracting device and holding said projection in said recess in the retracted position of the control lever.

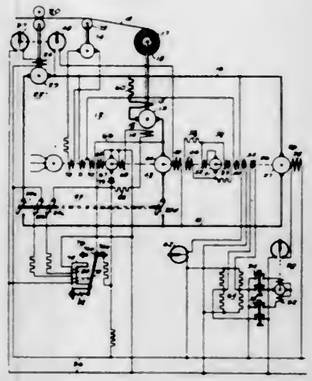
2,550,103
SHUTTER MECHANISM
George W. White, West Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application November 2, 1946, Serial No. 707,494
5 Claims. (Cl. 235—1)

1. In a register mechanism comprising a frame, a rotatable reset shaft mounted on the frame, and a plurality of counter wheel units rotatably mounted on the shaft and adapted to be driven during registering independently of the shaft but to be engaged by the shaft and reset to zero when the shaft is turned, a shutter mechanism comprising a shutter having an arm pivotally mounted on the frame and adapted to be pivoted into and out of concealing position with respect to said counter wheel units, a spring biasing said shutter into concealing position, a rotatably mounted mutilated pinion having at least one series of teeth consisting of one tooth of full width, one tooth of intermediate width, one tooth of narrow width and one tooth of full width in sequence, an extension on the shutter arm having teeth adapted to be engaged by said teeth of full width for pivoting the shutter and retaining it in non-concealing position, a driving member fixed to the reset shaft and adapted to rotate therewith



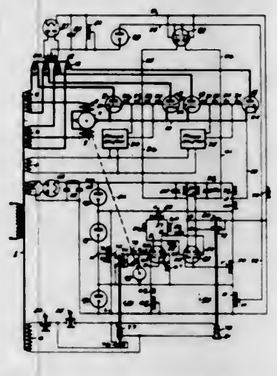
having four teeth adapted to engage said series of teeth to rotate the pinion only during the completion and initiating of resetting as the reset shaft is being turned to effect a reset operation, and a locking disk rotated with said driving member extending between said tooth of intermediate width and the second tooth of full width and provided with a gap for clearing said teeth when the driving member engages the pinion.

2,550,104
REGULATING GENERATOR CONTROL SYSTEM
Eugene F. Allbert, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,440
11 Claims. (Cl. 242—75)



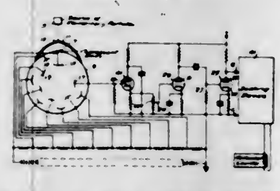
1. In a control system for a dynamo-electric machine having an armature and a field winding, circuit means supplying electrical energy to the armature, a regulating generator connected for energizing the field winding, and control means responsive to a reduction in the supply of electrical energy to the armature below a predetermined level and responsive to the output of the regulating generator operable to vary the output of the generator within predetermined limits.

2,550,105
ELECTRONIC MOTOR CONTROL SYSTEM
Walter W. Cotner, Ithaca, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1948, Serial No. 43,447
13 Claims. (Cl. 318—345)



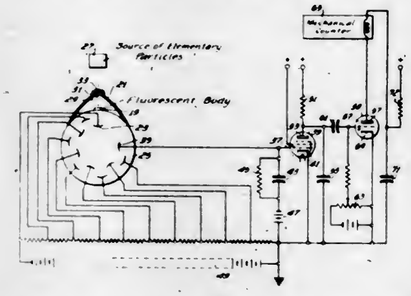
1 An electric drive control system, comprising a direct-current motor having an armature and two split field series windings, a power supply transformer having two windings each having two end points and having an intermediate tap point connected to one of said field windings respectively, two pairs of rectifier tubes having a common cathode lead connected to said armature so that all said tubes have the same cathode potential, each pair having anode leads connected to said respective end points of one of said respective transformer windings, control circuits for said respective tube pairs, and adjustable control means with which said control circuits are associated in mutually inverse relation so that a change in adjustment of said control means causes increased conductance of one pair while the conductance of the other pair is reduced.

2,550,106
DETECTOR FOR ELEMENTARY PARTICLES
John W. Coltman, Pittsburgh, and Fitz-Hugh B. Marshall, Glenshaw, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1947, Serial No. 752,942
13 Claims. (Cl. 250—71)



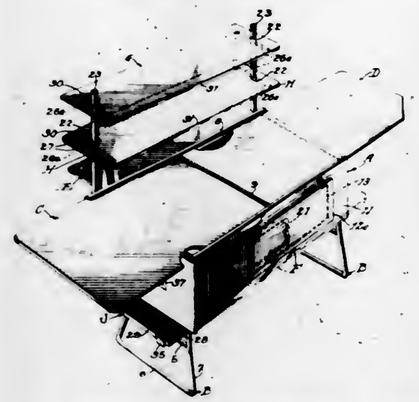
1. For use in counting the incidence of elementary particles the combination comprising, a photo-multiplier, a body which emits radiation to which said multiplier is sensitive when said particles impinge thereon, means for projecting onto said multiplier substantially all radiation from said body which practicably can be projected, and counting means responsive to the output of said multiplier to be actuated on each incidence of a predetermined number of pulses of radiant energy on said multiplier.

2,550,107
RADIATION DETECTOR
John W. Coltman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1947, Serial No. 778,337
26 Claims. (Cl. 250—71)



1. Apparatus for detecting elementary particles with a fluorescent body to be disposed to be activated by said particles and when so activated to emit radiation during a decay interval following said activation; comprising in combination a radiation-responsive device to respond to the radiation emitted by said body when activated by producing an electrical potential, an amplifier having an input circuit having a time constant which in magnitude is between a small integral portion of and a small multiple of said decay interval and an output circuit having an upper cut-off frequency which in magnitude is between a small integral portion of and a small multiple of the reciprocal of said decay interval multiplied by 2π, connections for impressing said potential in said input circuit and a discriminator for distinguishing outputs of said amplifier respectively under and over, a predetermined level.

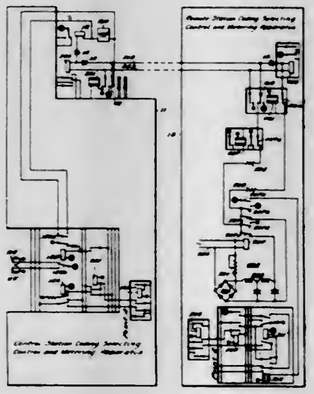
2,550,108
COMBINATION COOKING AND SERVING UNIT
Robert S. Davis, Ajo, Ariz., assignor of one-half to Robert E. Edgington, Cleveland, Ohio
Application August 28, 1948, Serial No. 46,639
3 Claims. (Cl. 190—12)



1. In a device of the type described, a cabinet having hinged doors, means including tubular

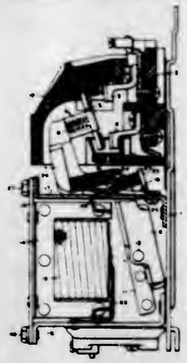
members for supporting the doors in open position, lower and upper brackets carried by the cabinet, tubular uprights removably secured to the brackets, shelves removably carried by the uprights, the shelves having openings for receiving the lower brackets when the shelves and uprights are removed and the shelves are placed adjacent to the cabinet, a larger shelf having openings for receiving both the lower and upper brackets, the larger shelf having its upper edge positioned above the upper edges of the other shelves when supported by the brackets, thereby providing a compartment with the adjacent wall of the cabinet for receiving the tubular members and uprights, means carried by the larger shelf for retaining the members and uprights, and means for securing the wider shelf to the brackets.

2,550,109
REMOTE METERING SYSTEM
Willard A. Derr, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1948, Serial No. 30,299
9 Claims. (Cl. 177—351)



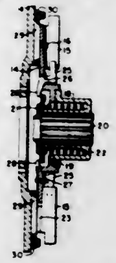
1. A remote metering system for use in continuous metering with a signal channel connecting supervisory control equipment at remote and control stations comprising, a telemetering receiver at the control station disposed to be connected to the signal channel, metering means at the remote station including a telemetering transmitter operable to produce a metering voltage proportional to an electrical quantity in a circuit to be metered, control means at the remote station operable to different positions in response to energization and deenergization of the circuit to be metered to effect connection to and disconnection from the channel of the metering means, said control means being connected to effect operation of the supervisory control means at the remote station to transmit a signal to the control station, and relay means at the control station operable in response to operation of the supervisory control means to render the telemetering receiver effective or ineffective in accordance with the position of the control means.

2,550,110
MAGNET ASSEMBLY FOR CONTACTORS
Delbert Ellis, Beaver, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1949, Serial No. 124,922
6 Claims. (Cl. 175—336)



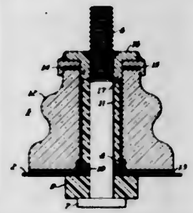
1. A magnet assembly for contactors, comprising a base, two rigid brackets firmly mounted on said base and extending rectangularly thereto in spaced relation to each other, an armature structure pivotally mounted at one of said brackets for movement toward and away from said base, a front plate bridging the ends of said respective brackets remote from said base and being firmly attachable to said ends, a magnet core structure firmly secured to said plate at the plate side directed toward said base, a coil loosely seated on said core structure, and resilient supporting means abutting against said coil to hold it toward said plate when said plate is attached to said brackets.

2,550,111
SPEED-LIMITING DEVICE FOR DYNAMO-ELECTRIC MACHINES
Harry D. Else, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1949, Serial No. 125,556
9 Claims. (Cl. 318—304)



9. In a dynamo-electric machine having a stator member and a rotor member including a shaft, a fan on the shaft, said fan including a hub member axially movable on the shaft, a disk element mounted on the hub member, and a plurality of fan blades secured to the disk element, an axially fixed member on the shaft adjacent the hub member, a plurality of friction blocks mounted on the stator member adjacent the fan and having surfaces disposed in a plane parallel to the disk element, said disk element having a plurality of radial slots therein, a plurality of weight members disposed in said slots and connected to the disk element, the weight members pivotally engaging said axially fixed member, and spring means engaging the axially fixed member and the hub member and biasing the fan away from the friction blocks, said weight members being adapted to move about their pivots and move the disk element axially into engagement with the friction blocks against the opposing force of the spring means when the speed of the rotor member exceeds a predetermined limit.

2,550,112
SEALED TERMINAL BUSHING
Charles V. Fields, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1947, Serial No. 750,938
2 Claims. (Cl. 174—153)

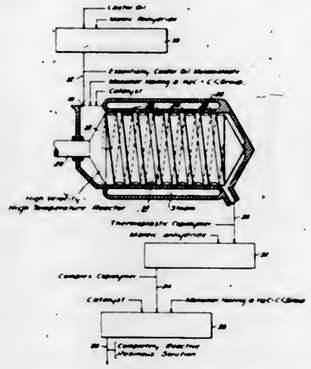


2. A terminal device for electrical apparatus of a type which is enclosed in a sealed housing, said terminal device comprising a terminal stud extending through an opening in the housing, an insulating bushing member surrounding said terminal stud on the outside of the housing, an insulating sleeve member on the terminal stud inside the bushing member, an insulating block encircling the terminal stud inside the housing, an annular sealing member of resilient material encircling the terminal stud in said opening in the housing, said sealing member being held between the sleeve member and the block, a gasket between the bushing member and the housing, a second gasket at the top of the bushing member, and means for compressing said gaskets and for applying axial pressure to the sleeve member to compress the sealing member and cause it to seal the opening in the housing.

2,550,113
REFRIGERATOR EMBODYING STABILIZED MIXTURES OF OIL AND ALIPHATIC HALIDES
Leonard C. Flowers, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1950, Serial No. 142,341
4 Claims. (Cl. 62—178)

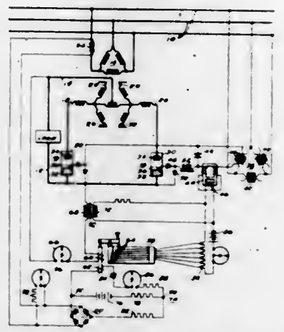
1. In a refrigerator comprising a sealed system including a compressor, in combination, a supply of refrigerant medium disposed in the sealed system whereby vapors of the refrigerant medium are compressed in the compressor and condensed to a liquid, the refrigerant medium comprising a halogenated aliphatic compound, a petroleum oil for lubricating the compressor in admixture with the refrigerant medium, the mixture of petroleum oil and halogenated aliphatic compound being subject to deteriorative reaction in the system when heated by compression, and boric anhydride disposed in the system in contact with the mixture of petroleum oil and refrigerant medium to reduce deteriorative reaction.

2,550,114
RESINOUS COPOLYMERS OF CASTOR OIL-UNSATURATED DICARBOXYLIC ACID REACTION PRODUCTS AND POLYMERIZABLE VINYL COMPOUNDS
Newton C. Foster, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,722
6 Claims. (Cl. 260—22)



1. The resinous copolymer derived by reacting 100 parts by weight of the acid castor oil monomaleate half ester with from 25 to 200 parts by weight of monostyrene to provide a balsam-like fluid, then reacting the fluid with sufficient maleic anhydride to esterify at least half the remaining unreacted hydroxyl groups in the castor oil, and lastly reacting the resulting product with from 5% to 100% of its weight of monostyrene.

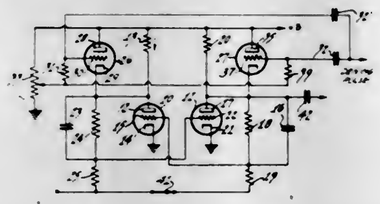
2,550,115
REGULATING SYSTEM
Ralph A. Geiselman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1946, Serial No. 703,053
13 Claims. (Cl. 321—16)



1. In a regulating system for regulating the output of an electrical load supplying means, the combination comprising, means disposed to be energized for controlling the output of the elec-

trical load supplying means, switching means disposed to be actuated for controlling the current flow in the output controlling means, a main control winding and an auxiliary control winding disposed to be energized to control the actuation of the switching means, means for connecting the main control winding to be energized in accordance with the output voltage of the electrical load supplying means, and adjustable means connected in circuit relation between the load supplying means and the auxiliary control winding for energizing the auxiliary control winding in accordance with a characteristic of the load current of the electrical load supplying means only after the flow of load current reaches a predetermined value, the windings thereby cooperating to control the output of the electrical load supplying means to maintain the output voltage thereof along a predetermined drooping pattern after said predetermined value of load current is reached.

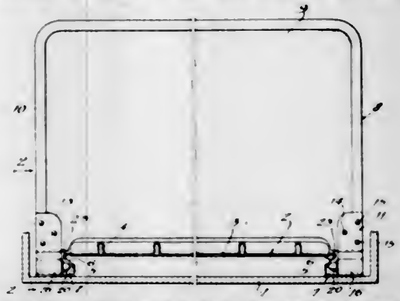
2,550,116
TRIGGER CIRCUITS
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 9, 1946, Serial No. 668,442
11 Claims. (Cl. 250—27)



1. The combination of a trigger circuit including a pair of triodes each having operating potential applied to its anode through a separate resistor and each having its grid coupled to the anode of the other triode through a separate capacitor, and means connected between said anodes for providing a low impedance charge path for one of said capacitors only when current conduction is transferred to the triode having said one capacitor connected in its grid circuit.

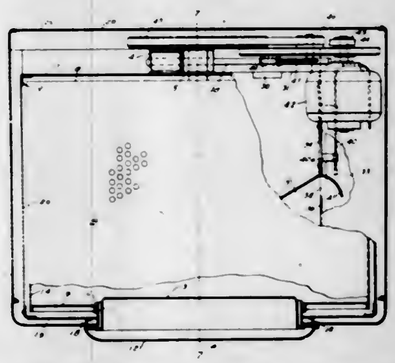
2,550,117
VISIBLE RECORD DEVICE AND DIVIDER THEREFOR
Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application April 22, 1946, Serial No. 663,865
7 Claims. (Cl. 129—16)

5. In a visible record card device, a supporting base, a flange extending at an angle to said base adjacent each lateral edge of said base and extending throughout substantially the length of said base, outwardly extending opposite ledges carried at the edges of said flanges remote from said base to provide outwardly facing longitudinally extending recesses between said ledges and said base, a divider of greater width and length than thickness, and engaging means carried at adjacent corners of said dividers for removable engagement in said recesses, said engaging means comprising lugs mounted upon said divider at adjacent corners of said divider, and spring pressed means carried by each of said lugs extending inwardly into opposite recesses and



positionable over said ledges for engagement in said recesses.

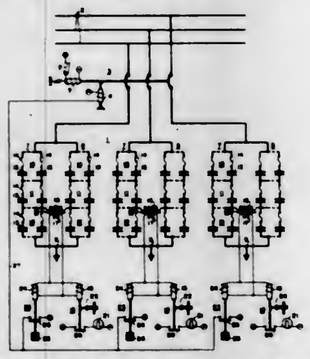
2,550,118
CLOTHES DRIER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 31, 1944, Serial No. 547,380
7 Claims. (Cl. 34—44)



1. In a clothes drier, a casing, a clothes receiving drum therein rotatable to tumble the clothes, a fan for exhausting air from the casing, a discharge duct for the fan, a filter for the duct including a part extending back toward the fan and along a wall of the duct, and a by-pass passage having a common wall with said part and having an inlet on the fan side of said part.

2. In a clothes drier, a clothes receiving drum rotatable to tumble the clothes, a casing surrounding the drum, a heater radiating heat through an opening in the casing to the upper periphery of the drum, an air inlet to the casing adjacent the heater, an air outlet in the lower part of the casing, an opening at one end of the drum and casing for loading and unloading clothes, a closure for said opening whereby the air flow through the drum is normally confined between said inlet and outlet, a fan having its intake connected to said outlet for exhausting air at a rate such that the clothes temperature is kept by evaporation of moisture from the clothes to a value preventing injury to the clothes, a thermostat at the upper part of the drum for controlling the heater to prevent high temperatures in the upper part of the drum upon failure of the normal air circulation, a thermostat in the fan exhaust for terminating the drying operation in response to the increase in exhaust air temperature accompanying drying of the clothes, and a lint trap for the fan exhaust beyond the exhaust temperature thermostat.

2,550,119
SIGNAL AND PROTECTIVE SYSTEM FOR SHUNT CAPACITOR BANKS
Ralph E. Marbury and William H. Cuttino, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1948, Serial No. 42,848
5 Claims. (Cl. 177—311)



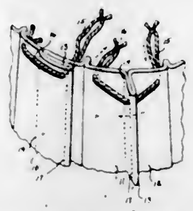
1. A capacitor bank adapted to be connected in shunt to an alternating current line, said capacitor bank including two similar parallel-connected branches, each of said branches comprising a plurality of series-connected groups of capacitor units and each group comprising a plurality of capacitor units connected in parallel, an individual fuse connected in series with each capacitor unit, means for connecting the capacitor bank in shunt to the line, and means responsive to the voltage difference between points in the two branches which are at the same potential under normal conditions for indicating operation of a single one of said individual fuses in response to a momentary voltage difference in excess of a predetermined value and for effecting disconnection of the capacitor bank from the line in response to a sustained voltage difference in excess of a lower predetermined value.

2,550,120
HOSE REELING APPARATUS
Earnest E. Martin, Pasadena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y., a corporation of Delaware
Application February 28, 1949, Serial No. 78,757
18 Claims. (Cl. 242—107)



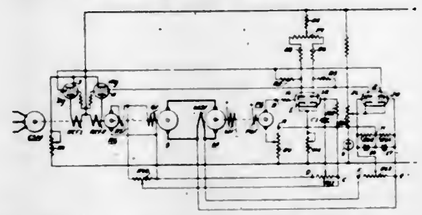
1. Hose reeling apparatus, comprising a rotatable shaft, a rotatable winding drum disposed about said shaft, said drum being axially movable along said shaft, and means operable by rotation of said shaft to rotate said drum in response to axial displacement of the drum.

2,550,121
GARMENT
Ruth E. Medd, Des Moines, Iowa
Application November 10, 1948, Serial No. 59,245
2 Claims. (Cl. 2—211)



1. In a garment, a fabric base portion having a plurality of pleats each formed by sewing at its longitudinal base; said pleats capable of being folded either to the left or to the right, a string means secured to the outer edge portion of each of said pleats and extending back through the fabric base portion to the right of the pleat to which it is secured, and a string means secured to the outer edge portion of each of said pleats and extending back through the fabric base portion to the left of the pleat to which it is secured.

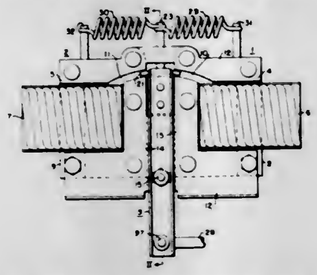
2,550,122
CONTROL SYSTEM
William O. Osbon, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1947, Serial No. 761,520
21 Claims. (Cl. 318—145)



21. With a reversible electric drive having a motor and two split-field windings for controlling said motor, in combination, an electronic speed control system comprising current supply means having two discharge devices connected with said respective windings for energizing said windings and having respective discharge control circuits each including a control resistor, a pair of control tubes interconnected in push-pull relation and having each an anode circuit connected to one of said respective control resistors, said control tubes having respective control grids and a common cathode resistor, respective positive and negative leads across which said tubes are connected in series with said anode circuits and cathode resistor, a voltage divider connected across said leads and having a point of positive potential, compared with said negative lead, which is connected to said grids, speed-proportional voltage supply means interposed between said point and one of said grids, another pair of

tubes having cathodes connected to said voltage divider at a point more positive than the first-mentioned point so that said other tubes are normally non-conductive, said other tubes having respective grids and having respective anode circuits extending through said respective control resistors, resistance means connected across said grids of said other tubes and having a midtap connected with said first-mentioned point of potential, and a control circuit electrically connected to said motor to provide a voltage dependent upon the current of said motor and connected with said resistance means to impress thereon said latter voltage for rendering one of said latter two tubes conductive when said current exceeds a given value whereby said discharge devices are controlled to limit said current substantially to said value.

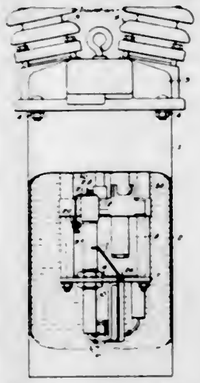
2,550,123
ELECTROMAGNET
John F. Peters, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1949, Serial No. 119,078
4 Claims. (Cl. 175—345)



1. In an electromagnetic device, the combination of, a pair of core members each having four legs and each having an arcuate air gap therein in corresponding legs, non-magnetic supporting means positioning said core members in spaced side by side relation, said arcuate air gaps defining an arc having its center point substantially on the center line between said core members, an armature assembly pivotally mounted on said supporting means at said center point and having an arcuate armature member of magnetic material, said armature member being supported between said core members with its opposite sides projecting into said arcuate air gaps in spaced relation with the sides thereof, and means for exciting said core members.

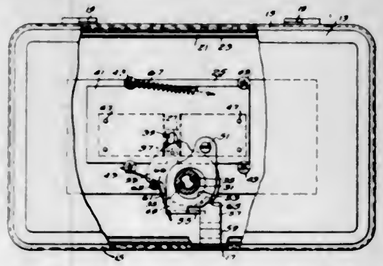
2,550,124
OVERVOLTAGE PROTECTIVE DEVICE
Herbert L. Rawlins, Pittsburgh, and James M. Wallace, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1946, Serial No. 694,074
11 Claims. (Cl. 175—294)

11. A circuit breaker including a tank containing a non-conducting liquid, a frame structure disposed in the tank and submerged in the liquid, said frame structure being insulated from ground, circuit-interrupting means supported on the frame structure below the level of the liquid, an actuating coil for effecting operation of the circuit-interrupting means, said actuating coil being adapted to be connected in series in a line and being mounted in said frame structure below the level of the liquid, and an overvoltage protective device mounted on the frame structure and electrically connected across the coil for protecting the coil against voltage surges, said overvoltage protective device comprising a vertical tubular structure closed at the upper end, spaced electrode means forming a spark gap within the tubular structure adjacent the upper end thereof, said tubular structure including insulating material of a type which evolves gas



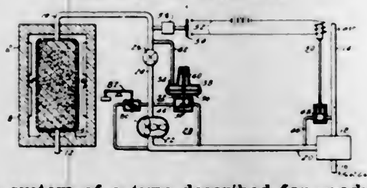
when exposed to an electric arc, said insulating material being disposed closely adjacent the path of a discharge in the gap, and the tubular structure being very long, as compared to the length of the gap, whereby sufficient air is entrapped in the upper part of the tubular structure to keep the level of liquid in the tubular structure below the gap, and said overvoltage protective device being mounted so that the open lower end of the tubular structure is closely adjacent the circuit-interrupting means.

2,550,125
ENCLOSED CIRCUIT INTERRUPTER
Alfred E. Schueler and Howard T. Walton, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1947, Serial No. 765,030
15 Claims. (Cl. 200—50)



1. An enclosed circuit interrupter having a member movable to operate said interrupter, a casing in which said interrupter is mounted, an openable cover for said casing, a slidable operating member mounted on said cover and having opposed portions thereon for engaging and moving said movable member, said slidable member having a slot therein, said opposing portions being resiliently mounted and movable toward the plane of said slidable operating member, an operating handle rotatably mounted on the cover and movable to a position in which said interrupter is closed and to two positions in which said interrupter is open, an actuating member having a stud thereon engaging said slot and operable by said operating handle for moving said slidable member, a locking member normally locking said cover in its closed position in the position of said handle in which said interrupter is closed and in one of the positions of said handle in which said interrupter is open, said actuating member engaging and moving said locking member to unlocking position only when said operating handle is moved to the other position in which said interrupter is open, and spring means for operating said slidable member to automatically return said operating handle to the position in which said interrupter is closed upon opening of said cover and release of said handle.

2,550,126
GAS-GENERATOR SYSTEM FOR PRODUCING HEAT-TREATING ENVELOPING ATMOSPHERES
Alan F. Snow, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1945, Serial No. 577,669
2 Claims. (Cl. 23—288)



1. A system of a type described for producing a special atmosphere adapted to be used in heat-treating, comprisinig the combination with a gas-generator having a gas-pervious porous catalyst, a plurality of gas-supply means for different gases to be delivered to said gas-generator in relatively different amounts, operable means operable for determining the relative amounts of said gases to be delivered to said gas-generator, and means responsive to resistance to gas-flow through said gas-generator for changing the relative amounts of said gases deliverable to said gas-generator; of means for conveying the relative amounts of said gases, as determined by said operable means, to said gas-generator, comprising a pump, a branch pipe-system including a variable flow-controlling device therein, by-passing said pump, a pipe-connection from the output side of said pump to said gas-generator, said pipe-connection including a separate orifice means, and a separate regulator connected by separate tubular pipes across said orifice means so as to be responsive to the pressure drop directly across said separate orifice means, said regulator having associated therewith means arranged to vary said flow-controlling device for providing a substantially constant gas-flow to said gas-generator.

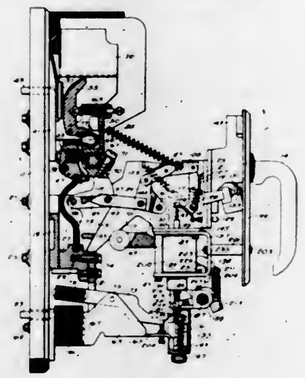
2,550,127
WOUND CORE FOR ELECTRICAL INDUCTION APPARATUS
Theodore R. Specht, Greenville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 12, 1948, Serial No. 26,560
9 Claims. (Cl. 171—242)

1. A magnetic core structure for a current-limiting reactance device comprising a substantially rectangular magnetic circuit loop formed from a ribbon of magnetic sheet steel wound flatwise layer upon layer, two parallel sides of the rectangular loop serving as winding leg portions of the core and provided with air gaps therein adjacent the opposite ends thereof separating the central parts of the winding leg portions of the



core from the end parts of the magnetic circuit loop, the layers of magnetic sheet steel in the end parts of the magnetic circuit loop being arranged with their flat sides facing the window in the core, and the central parts of the winding leg portions of the core loop between the air gaps being positioned with their edges facing the window in the core.

2,550,128
CIRCUIT BREAKER
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,759
20 Claims. (Cl. 200—108)



1. In a circuit breaker comprising relatively movable contacts and operating means therefor, an electromagnetic trip device operable to cause automatic operation of said operating means comprising an energizing winding, an armature movable to cause tripping of the breaker, time delay means for retarding operation of said trip device in response to overload currents of predetermined value, and a member frictionally engaging said time delay device and movable relatively thereto in response to overload currents above said predetermined value to further retard operation of said trip device.

2,550,129
VINE AND SEED STRIPPER
William E. Urschel, Valparaiso, Ind.; Joe R. Urschel administrator of said William E. Urschel, deceased
Application February 11, 1943, Serial No. 475,478
2 Claims. (Cl. 56—130)

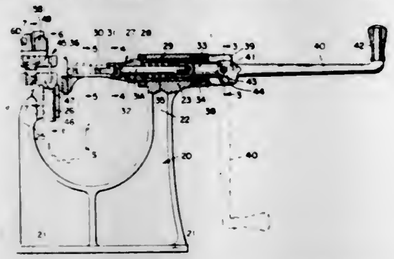
1. A pea and bean harvester comprising a frame, actuatable means on said frame for conveying stalks of plants along a predetermined

path with respect to said frame, picking mechanism mounted on said frame on opposite sides of the path of movement of the conveying means and the plants grippingly conveyed thereby, each of said picking mechanisms including a plurality of picker arms, a plurality of oppositely driven picker heads, each of said picker heads comprising a pair of oppositely facing parallel rotatable



driven discs, means for driving each of said discs, a plurality of peripherally and pivotally disposed crank arms on each of said discs, each crank arm carrying a picker bar, and each picker bar carrying a plurality of picker fingers whereby upon rotation of said pair of discs with confronting crank arms the opposed sets of picker fingers will rake or hook the pods from the plants which are disposed between the front and rear sets of rotatable discs.

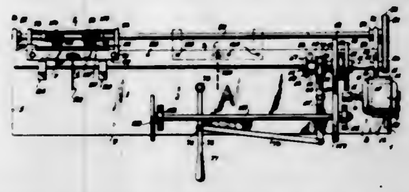
2,550,130
TOOL FOR TWISTING WIRE LEADERS
Morris L. Whaley, San Diego, Calif.
Application April 17, 1950, Serial No. 156,398
6 Claims. (Cl. 140—102)



1. A wire twister adapted for forming and connecting a loop at the end of a wire leader and the like comprising a frame having a horizontal bearing and a vertical thrust bearing disposed apart, and having means for fastening said frame to a rigid support; a loop bending and twisting member horizontally mounted on said frame, said bending and twisting member consisting of a forming tool support rotatable in said horizontal bearing, a post mandrel mounted at the free end of said support, a bifurcated forming tool adapted to move horizontally on said support to a position astride said mandrel, means to slide said tool relative to said support, and means to rotate said support, and clamping means pivotally mounted in said vertical thrust bearing on said frame, including opposed clamping members and a guide pin between said opposed clamping members adapted to space the spirals at the end of the wire being twisted in said device, said guide pin being disposed eccentrically to said pivot pin.

2,550,131
ROD WINDING MACHINE
Elmer Wodetzky, Lynbrook, N. Y.
Application May 1, 1947, Serial No. 745,185
15 Claims. (Cl. 242—7)

4. A machine for applying strand windings to a rod which includes, a chuck mounted to rotatably support the rod, a winding head including a pivotally mounted arm having means at one end thereof for guiding a winding strand in winding position on to the rod, and driving means for rotating said chuck and for traversing said winding head in correlated speed relationship whereby a smooth and compact winding is



effected, said driving means including a rotatably mounted traversing shaft, a drive worm fixed to said shaft, means associated with the other end of said arm providing a traversing drive connection with said worm, a drive shaft rotatably supporting said chuck, and driving means for rotating said shafts in correlated relationship.

2,550,132
SELF-SEALING CAP
William E. Woods, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania
Application February 15, 1946, Serial No. 647,941
1 Claim. (Cl. 222—490)

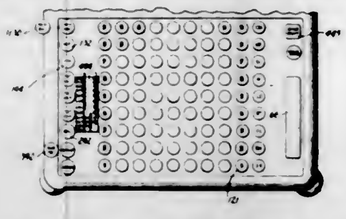


A self sealing cap for collapsible tubes molded of resilient material having an elongated tip with a solid outer end and with a slit therein having sides normally closed into engagement with each other by the inherent resilience of the material and said slit extending from the inside of the cap toward and terminating short of the solid outer end of the tip whereby the cap is completely sealed until the outer end of the tip is cut off, the walls of the tip forming the sides of the slit decreasing in stiffness toward the outer end whereby the sides of the slit close progressively into engagement with each other from the outer end as pressure on the tube is released, and the tip being marked for cutting at a plurality of points inward from the outer end of the tip whereby the length of the slit remaining after cutting can be selected to correspond with the viscosity of the material in the tube.

2,550,133
BOOKKEEPING MACHINE
George W. Allan, San Lorenzo, Calif.
Application June 11, 1945, Serial No. 598,753
25 Claims. (Cl. 235—6)

13. The combination with a computing machine having a totalizer, and means for controlling the registration of figures in said totalizer, of a figure storing device removable from the machine for storage, said storing device having

means settable to represent the figure to be stored therein, said storing device having means for locking said settable means, said locking means being automatically operable upon removal of said device from the machine for storage, transfer means adapted to cooperate with said storing device, said transfer means having means responsive to said settable means in said storing device for automatically setting said registration control means to the figure set in said storing



device when said storing device is disposed in cooperative relation with said transfer means, manually controlled means operable while said storing device is disposed in cooperative relation with said transfer means for causing said locking means to release said settable means in said device, and means controlled by said lock releasing means for automatically operating said settable means to clear the figure from said storing device.

2,550,134
FLAME RESISTANT FABRIC
Ladislaus Balassa, Riverside, and Neil Crawford Spencer, Newport, R. I., assignors to The United States Finishing Company, Norwich, Conn., a corporation of Connecticut
No Drawing. Original application May 10, 1947, Serial No. 747,312. Divided and this application March 5, 1948, Serial No. 13,345
3 Claims. (Cl. 117—136)

1. A fire-resistant textile fabric impregnated with a fire-resistant composition consisting essentially of borax, boric acid, a polyhydroxy alcohol capable of reacting with the borax and boric acid to form a condensation product, said materials being in the aproximate ratios 70:80:83.5 parts by weight and an alkane having at least two and not more than three carbon atoms in the chain in which one of the hydrogen atoms is substituted by an amino group and a second hydrogen atom is substituted by a hydroxyl group, said alkane being in the proportion of 6 to 8% by weight of the total composition.

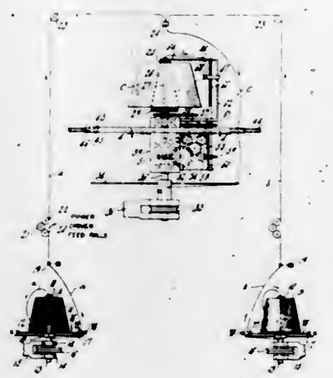
2,550,135
DETACHABLE LOOP-TYPE KEY HOLDER FOR KEY CASES
Thomas A. Buckley, Longmeadow, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application August 9, 1947, Serial No. 767,802
1 Claim. (Cl. 70—456)

A key holder of the closed loop-type having an enlarged head at the free ends of the loop by which the holder is releasably held within the supporting mechanism of a key case which comprises a strip of flat spring material having enlarged ends in the form of hollow substantially semi-spherical cups the intermediate portion of the strip being bent into the form of a loop with the open sides of the cupped ends held in contact with each other to normally form a substantially spherical head by the inherent spring of the material, the portions of the strip adjacent the cupped ends lying in flat face to face contact to form a shank portion intermediate said head and the loop, one portion of the strip forming the shank being formed with a projection and the other shank forming portion being formed with a recess to receive the projection to prevent relative movement of the cupped ends



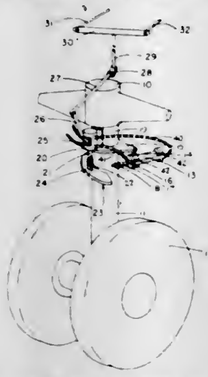
in the plane of their contact, said projection and recess being confined to a portion of the shank spaced from both the cupped ends and the exit from the loop, whereby the entrance to the loop will be positioned within the supporting mechanism while the said projection and recess will be positioned outwardly of said mechanism, the side of the projection toward the loop being inclined in the direction of the head.

2,550,136
METHOD OF TWISTING STRANDS TOGETHER TO FORM A PLY CONSTRUCTION
Robert J. Clarkson, Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 18, 1948, Serial No. 66,066
6 Claims. (Cl. 57—156)



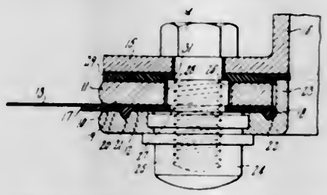
1. The method of making a ply strand, which consists in independently pulling two strands forward from their respective sources of supply along different paths to two different metering devices, adapted to insure that equal lengths of the two strands be advanced, bringing these strands together and twisting them into a ply strand by revolving them as a balloon about a take-up package, feeding this ply strand forward at a point between said balloon and its take-up package by exerting a power actuated pulling force within the balloon at such point, and winding the ply strand about said package within the balloon.

2,550,137
HYDRAULIC ACTUATING SYSTEM WITH AUTOMATIC FOLLOW-UP
Robert V. Corns, Wichita, Kans., assignor to Boeing Airplane Company, Wichita Division, Wichita, Kans.
Application August 15, 1947, Serial No. 768,871
4 Claims. (Cl. 244—50)



1. In an aircraft landing gear in which a structure mounted support carries a landing strut which is rotatable about its own longitudinal axis, and the strut carries a ground engaging wheel assembly for steering the aircraft in response to controlled movement of the strut, a hydraulic steering system for the strut comprising: A structure supported reversible fluid motor operatively connected to exert opposed torques on said strut in response to fluid pressures applied to the motor piston; a fluid flow control valve mounted to move in an arcuate path adjacent the periphery of the strut, and having a pair of outlets in fluid communication with the opposite ends of said fluid motor; a fluid pressure source in communication with the control valve inlet; a valve operating element; a cam fixed on the strut and cooperating with said valve operating element to vary the latter's position when the entire valve is moved in its arcuate path; and control means for bodily moving the valve in opposite directions with respect to a neutral position.

2,550,138
TANK FITTING
William B. Crawford, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 10, 1947, Serial No. 759,950
7 Claims. (Cl. 285—25)

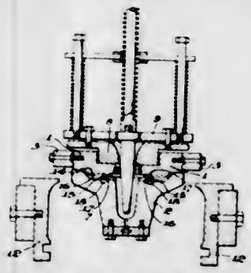


1. In combination with a tank, a fitting attached to the margin of an opening in the tank wall which contains a layer of rubber-like material subject to cold flow, said fitting comprising inner and outer rings clamped to either side of said margin, at least one of said rings having a plurality of openings spaced around and formed in its annulus, the center of each of said openings being located on a radius from the center of said ring at a point nearer its inner periphery than its outer periphery and said inner periphery being yieldable under pressure applied to the face of said ring, said margin having corresponding openings formed therein, and means extending through said openings and connected to said other ring for clamping said rings to said margin by applying pressure to said margin progressively from the inner periphery towards the outer periphery of said rings through the yieldability of said yieldable ring.

2,550,139
BLENDS OF BUTADIENE-ACRYLONITRILE RUBBERY COPOLYMERS HAVING A TOLUENE-INSOLUBLE "B" GEL CONTENT OF FROM 30 TO 50% AND HARD RESINOUS STYRENE-ACRYLONITRILE COPOLYMERS
Lawrence E. Daly, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 12, 1948, Serial No. 59,779
4 Claims. (Cl. 260—45.5)

1. The process of making a hard, tough, thermoplastic elastomer-resin mixture which comprises masticating at a temperature of from 280° to 340° F. a normally elastic rubbery copolymer of butadiene-1,3 and acrylonitrile until it has a toluene-insoluble "B" gel content of at least 30 but less than 50 per cent, said toluene-insoluble "B" gel being incapable of conversion into a soluble gel by mastication, and then intimately and homogeneously incorporating the resulting rubbery copolymer with a hard normally inelastic resinous thermoplastic copolymer of from 50 to 85 per cent of styrene and correspondingly from 50 to 15 per cent of acrylonitrile, said copolymers being employed in proportions of from 50 to 90 per cent by weight of said resinous copolymer and correspondingly from 50 to 10 per cent by weight of said rubbery copolymer, said last-named percentages being by weight based on the sum of the weights of said resinous and rubbery copolymers.

2,550,140
VENTED NECK MOLD
Craig L. Dotson, Washington, Pa.
Application May 27, 1948, Serial No. 29,551
2 Claims. (Cl. 49—71)



1. A neck mold for use in making parisons in the press-and-blow method of manufacturing glass containers whose necks are provided exteriorly with closure-attaching projections, said mold having its molding face provided with a recess to form closure-attaching projections on parisons pressed therein, the wall of said mold being provided with an opening extending outwardly from said molding face, and a plug mounted in said opening, said plug being of uniform diameter and said wall opening having an inner extent of a diameter slightly larger than said plug diameter and an outer extent corresponding in diameter to the diameter of the plug, the wall of said larger inner extent forming with said plug an attenuated air escape vent that is too narrow to receive molten glass in parison molding operations, the wall of said outer extent of said opening holding said plug concentrically within the inner extent, and said mold also being provided with a venting passage leading from said air escape vent to atmosphere.

2,550,141
PROCESS FOR THE PREPARATION OF THIO ESTERS
Thomas F. Doumani and Joseph F. Cuneo, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 16, 1948, Serial No. 60,412
6 Claims. (Cl. 260—455)

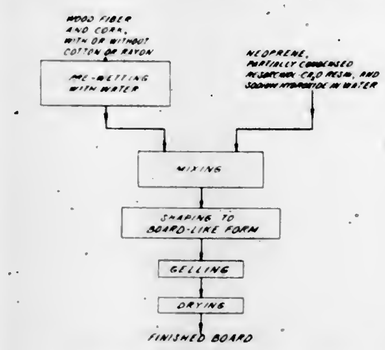
1. A process for the preparation of a thio ester which comprises reacting a mercaptan compound having the general formula RSH, wherein R represents a radical selected from the class consisting of alkyl, alkenyl and aromatic hydrocarbon radicals, with an acylation agent of the class consisting of organic carboxylic acid anhydrides and ketenes in the presence of an acylation catalyst prepared by reacting concentrated sulfuric acid with more than double its molal quantity of an acylation agent of the class consisting of organic carboxylic acid anhydrides and ketenes at a temperature between about 0° C. and 100° C. for a time sufficient to cause the substantial disappearance of sulfate ion from the product.

2,550,142
ROTARY JAR
William H. Dumble, Bakersfield, Calif.
Application December 9, 1947, Serial No. 790,637
4 Claims. (Cl. 255—27)



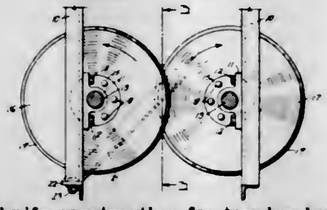
1. A rotary jar, for well tools strings, having, in combination, an anvil-faced mandrel structure provided with peripheral camming lugs, a sleeve having internal, camming teeth in a row along the sleeve bore and which are complementary to the said lugs and an escape-way longitudinally in the sleeve for longitudinal shift of the sleeve when its teeth are freed from the said lugs, and a mandrel hammer housing in which the sleeve is rotative and axially movable; the housing, when under tension, operative to pull the sleeve teeth against the mandrel lugs whereby to effect a sliding trip-off of the sleeve from the lugs a tubular, sleeve-locking dog slidably splined on the mandrel, said dog and sleeve having cooperative, lateral, locking faces whereby the dog is repressed by the sleeve to permit free ascent of the housing as to the mandrel for hammer blow when the said lugs and teeth relatively turn out of engagement, an expansion spring seated on the upper end of the dog, a nut threaded in the housing and compressing the upper end of the spring onto the sleeve, and a socket wrench enclosed in the housing and shiftable to and from operative engagement with the said nut whereby to adjust the spring compression.

2,550,143
CONSTRUCTION BOARD AND METHOD OF MAKING SAME
Ernst Eger, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 29, 1947, Serial No. 788,895
14 Claims. (Cl. 260—17.2)



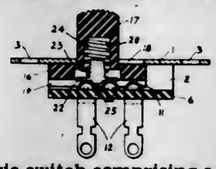
13. A fibrous board comprising a mass of randomly and initially loosely interlaced fibers bonded firmly together by a bonding medium comprising the dried gelled residue of a hardenable aqueous mixture comprising dispersed elastic rubbery composition selected from the group consisting of rubbery copolymer of butadiene and styrene in admixture with vulcanizing ingredients, rubbery copolymer of butadiene and acrylonitrile in admixture with vulcanizing ingredients, rubbery copolymer of isoprene and styrene in admixture with vulcanizing ingredients, and rubbery polymerized chloroprene, and dissolved partially condensed resin obtained by the partial condensation of a polyhydric phenol having hydroxyl groups in the 1- and 3-positions and an aldehyde and capable of setting in the aqueous condition to a friable solid gel and capable of being converted upon removal of water to a substantially infusible, substantially insoluble state, said mixture containing said rubbery polymer and said resin in such relative proportions that the polyhydric phenol content of said resin ranges from 3.8 to 16.8% by weight based on the weight of said rubbery polymer and containing at least 30% by weight of said rubbery polymer and said resin.

2,550,144
KNIFE CONSTRUCTION FOR BEET TOPPERS
Walter J. Flintjer, Cheyenne, Wyo.
Application June 30, 1949, Serial No. 102,341
2 Claims. (Cl. 56—295)



2. A knife construction for topping beets in a beet harvesting machine comprising: two flat knife discs having continuous circular cutting edges, said knives being positioned one above the other in adjacent parallel planes with their adjacent peripheries in overlapped relation; and an elongated, diagonally positioned, substantially straight knife member extending from a point beneath the uppermost knife disc and ahead of a line joining the axes of the two knife discs rearwardly to a point beneath the lowermost knife disc and rearward of said line, the forward edge of said straight knife member lying diagonally beneath the point of greatest overlap of said knife discs and in a plane parallel to, and closely adjacent to, the planes of said knives.

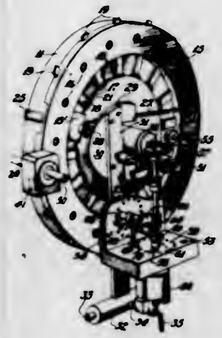
2,550,145
ELECTRIC SLIDE SWITCH
Melan M. Geci, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application January 21, 1949, Serial No. 71,926
3 Claims. (Cl. 200—16)



1. An electric switch comprising a housing having a longitudinal slot in its top, a base for the housing, a plurality of spaced stationary contacts projecting from the inner face of the base in a line extending lengthwise of the slot, a slidable actuator disposed in the housing for movement longitudinally thereof and provided with an actuating button projecting through the slot, the actuator being provided with a socket having its open end facing the base, a movable contact member having a flat head adapted to slide across the stationary contacts and to engage two of them simultaneously, said contact member also having a stem extending from its head loosely into said socket, and a coil spring encircling the stem and compressed between said head and the inner end of the socket for pressing the head against the stationary contacts, the center of said head being provided with a detent that projects between the two contacts bridged by the head to hold it in engagement with them.

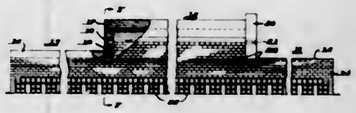
2,550,146
VARIABLE CUTTING DEVICE
Stephen G. Gillich, Clark Township, Union County, and Bradner M. Littlehale, Cranford, N. J., assignors to Excel Tool & Die Co., Inc., Rahway, N. J., a corporation of New Jersey
Application June 30, 1949, Serial No. 102,412
4 Claims. (Cl. 164—66)

1. In a variable cutting device, for cutting lengths of material fed past said device, a primary member movable in continuous cycles, a knife, means to secure the knife to the primary movable member, for movement in unison therewith, a cam member, a solenoid connected to said cam member and adapted, when energized,



to actuate the cam into engagement with the knife to move the latter to operative position for cutting said material, and means to energize said solenoid at frequencies of more than one cycle of movement of the primary movable member.

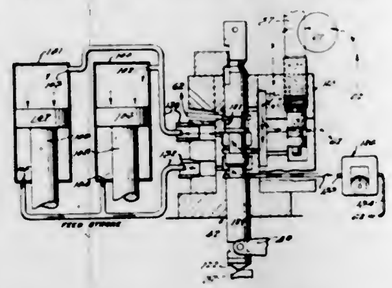
2,550,147
METHOD OF FIRING CERAMIC ARTICLES AND APPARATUS THEREFOR
Eugene Hardesty, New Brighton, Pa.; Ann C. Hardesty administratrix of said Eugene Hardesty, deceased
Application September 30, 1947, Serial No. 777,014
6 Claims. (Cl. 25—142)



4. A kiln for firing ceramic articles comprising an elongated furnace having sidewalls and a roof and having preheating, firing, and cooling zones, the portion of the roof covering the firing zone being higher than the roof portions covering the other zones, a burner port between the cooling and firing zones and adjacent the portion of the roof covering the firing zone, the lower portions of the side walls having passages connecting the interior of the kiln adjacent its floor to atmosphere outside the kiln.

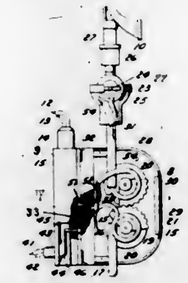
2,550,148
MULTIPLE POSITION SPOOL VALVE FOR MACHINE TOOLS
Lloyd V. Harding, Detroit, Mich., assignor to Le Maire Tool & Manufacturing Company, Dearborn, Mich., a corporation of Michigan
Application October 6, 1944, Serial No. 557,521
3 Claims. (Cl. 251—76)

2. In a hydraulic control adapted to operate a reciprocating differential area hydraulically actuated piston movable within a piston cylinder and including a constant volume fluid pressure source and a fluid sump, a novel valve comprising a valve cylinder and a spool axially slidable therein, said valve cylinder having a plurality of axially spaced fluid ports including a first inlet port adapted for connection with the fluid pressure source, a first outlet port adapted for connection with the sump, a first feed duct port adapted for connection with the piston cylinder at the end having the larger piston area, a second inlet port adapted for connection with the fluid pressure source, a second feed duct port adapted for connection with the opposite end of the piston cylinder and a second outlet port adapted for connection with the sump, said ports being positioned in the order named, and said spool having four axially spaced land portions to control fluid communication between said ports, said spool being movable within said valve cylinder to a rapid feed position wherein the first of said land portions closes said first inlet and said first outlet ports and the third land portion closes said second outlet port and wherein said land portions permit fluid communication between both of said feed duct ports and said second inlet port, said spool also being movable within said valve cylinder to a slow feed position wherein said first land portion closes said first inlet port, said second land portion closes communication between said



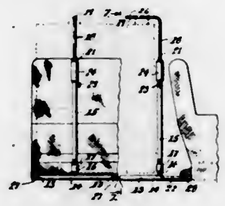
first outlet port and said first feed duct port and said third land portion closes communication between said second inlet port and said second feed duct port and whereby said land portions permit communication between said second inlet port and said first feed duct port and between said second feed duct port and said second outlet port, said spool also being movable within said valve cylinder to a neutral position wherein said second land portion closes communication between said first feed duct port and said first outlet port, said third land portion closing communication between said first feed duct port, said second inlet port and said second feed duct port and said fourth land portion closing communication between said second feed duct port and said second outlet port, and wherein said land portions permit communication between said first inlet port and said first outlet port, said spool also being movable to a rapid return position wherein said second land portion closes communication between said first inlet port and said first outlet port, said third land portion closes communication between said second inlet port and said first feed duct port and said fourth land portion closes communication between said second feed duct port and said second outlet port and wherein said land portions permit communication between said first outlet port and said first feed duct port and also between said second inlet port and said second feed duct port.

2,550,149
ILLUMINATION DUPLICATION FOR PHOTOGRAPHY
Halten W. Hart, Toledo, Ohio
Application September 14, 1946, Serial No. 696,984
2 Claims. (Cl. 240—1.3)



1. An illumination device comprising a base, a first plate fixed with the base, a second plate, a pivotal connection providing a turntable mounting for the second plate on the first plate, a housing fixed with the second plate providing a chamber about the axis extended of said pivotal connection, a pair of one-to-one ratio transmission interconnected rockable members in the chamber between which members said axis extended is located, the axes of rocking of said members being in a common plane parallel to the turntable plane, an arm fixed with each member and laterally offset from said member axes, said arms extending from the housing and having an alignment relation parallel with the planes of the axes and turntable, said arms thru said transmission being simultaneously shiftable in movement from said alignment relation, light means, and an adjustable connection mounting a light means at the free end of each arm.

2,550,150
GARMENT HANGER STAND
Nelson Hartley, Baltimore, Md.
Application November 28, 1949, Serial No. 129,747
11 Claims. (Cl. 224—29)



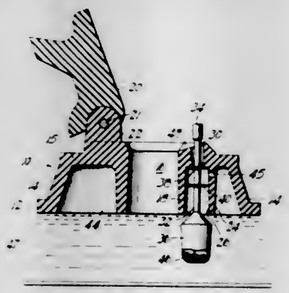
10. A garment hanger stand comprising a tubular frame base, an upwardly extending tubular member mounted on said base, a support rod telescopically mounted within said tubular member, the upper portion of said support being bent over to form a laterally extending support arm, said support arm having means thereon adapted to receive and position garment-type hangers, and extension members telescopically mounted within said tubular frame base for varying the effective size thereof.

2,550,151
SEPARABLE BACKING FOR REPAIR MATERIAL
Alfred N. Iknayan and Donald A. Macdonald, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 11, 1945, Serial No. 604,328
1 Claim. (Cl. 152—367)



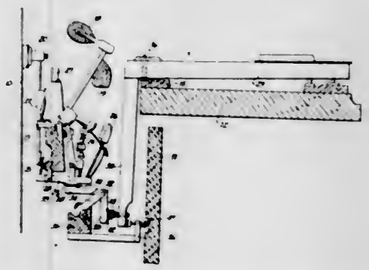
As an article of manufacture, the combination of sheet material for repairing pneumatic tires having a tacky surface of rubber-like material and a separable backing sheet, said backing being formed of a strong, thin homogeneous, air-impervious sheet of plastic resinous material not more than several thousandths of an inch thick and embossed to form a multiplicity of well defined peaks and pockets at one face and a reverse contour at the other face and the plastic sheet being slightly elastic due to its embossed properties and sufficiently rigid to cause a reverse impression of the peaks and pockets to be formed in said tacky surface and emboss such surface when these two sheets are pressed together, whereby the backing sheet is capable of stretching as the tacky surface is bent and keeps the tacky surface clean, sealed from the air and pitted so that it will bond well to a rubber object.

2,550,152
STORAGE BATTERY LIQUID LEVEL CONTROLLER
Henry A. Kennedy, Philadelphia, Pa., assignor to National Battery Company, St. Paul, Minn.
Application October 26, 1949, Serial No. 123,696
6 Claims. (Cl. 136—182)



1. In a storage battery, a top cover structure comprising a generally closed cover having therethrough a filler opening, an air lock chamber having a substantial vertical dimension disposed within said cover separate from said filler well, a liquid level control and indicator device mounted upon said cover and comprising a vertically slidable stem disposed within a bored portion of said cover and terminating at its upper end with an indicator head portion, said stem carrying at its lower end a float device and intermediately of its ends a valve disc member, the bore within said cover member having a shoulder portion intermediately thereof for cooperation with said valve disc to provide a valving action whenever the liquid level rises to cause said float to elevate said valve stem, a vent port intercommunicating said air lock chamber and the lower end portion of said cover bore below the position of said valving action, and a cap member hinged to said cover and adapted to be swung downwardly thereon so as to simultaneously close the filler well opening therethrough and to depress said indicator end portion of said valve member to retracted position within said cover.

2,550,153
PIANO ACTION
Sylvan K. Ketterman, Muncie, Ind.
Application November 5, 1948, Serial No. 58,453
1 Claim. (Cl. 84—240)

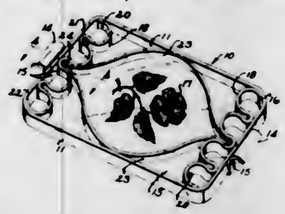


In an action for a piano, the combination comprising a substantially rigid key bed having a balance rail directly mounted thereon, a hammer actuating mechanism including a whippen having a bearing surface on the bottom thereof, a key supported on said balance rail at a level above that of the whippen for pivotal movement relative to the balance rail, said key including a lever arm portion which comprises a substantially rigid continuation of the key extending downwardly at substantially a right angle to the rest of the key at a position between the balance rail and the hammer actuating mechanism and terminating below the whippen, the length and disposition of said lever arm portion being such that the principal components of movement of the end thereof below the whippen are horizontal when the key is moved, a capstan screw adjustably mounted at the lower end of the lever portion below the whippen, a bell crank support rail, a bell crank movably supported on said bell crank support rail for translating movements of the capstan screw to the bearing surface of the whippen to effect actuation of the hammer mechanism in response to movements of the key, an arm extending from the bell crank support rail to a position adjacent the lever portion of the key, and a leveling screw adjustably carried by said arm and having an end normally engaging said lever arm portion on the side thereof opposite the capstan screw.

2,550,154
SERVING TRAY
Charles Kolacy, Bloomfield, N. J.
Application March 7, 1946, Serial No. 652,496
3 Claims. (Cl. 65—53)

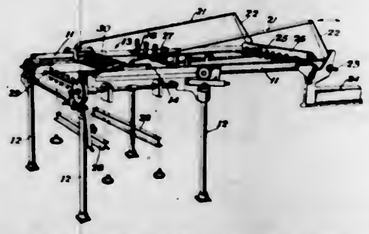
1. In combination with an elongated serving tray having a bottom wall, side walls and end walls, a sinuous strip of flexible material positioned in each end of the tray and resting on the bottom wall thereof, each of said strips having a plurality of convolutions connected by loop portions, said looped portions of said strips facing

with their open sides directed toward the open side of the other, and a pair of flexble partition



strips having their ends engaging longitudinally aligned loop portions of said sinuous strips.

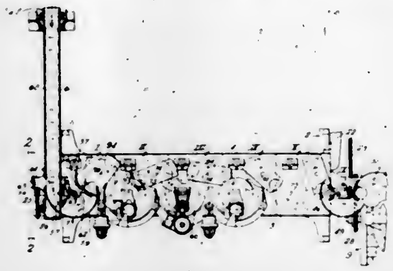
2,550,155
PRINTING PRESS DELIVERY MECHANISM
Lee F. Kraft, Cleveland, Ohio
Application August 9, 1947, Serial No. 767,683
5 Claims. (Cl. 271—84)



1. In a printing press delivery, including a movable carriage, rails therefor, and a pusher-finger shaft extending between said rails, over which said carriage is adapted to travel in its backward stroke, the combination comprising pusher finger sockets on said shaft, each having a headless set screw for securement to said shaft, pusher fingers for each such socket, each having a slot in the end thereof engaging said set screw, a nut detachably securing said pusher finger to said socket, a crank on said pusher-finger shaft, a lever near the forward end of said delivery, and a pull rod joining said lever to said crank for rotating said shaft to lift said pusher fingers when said carriage strikes said lever at the forward end of its stroke.

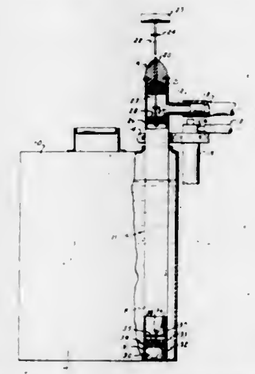
2,550,156
INTERCHANGEABLE CONVEYER FRAME UNITS
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application October 4, 1944, Serial No. 557,142
4 Claims. (Cl. 198—22)

4. In apparatus of the class described a frame comprising a selected plurality of interchangeable frame units, each unit including a drive shaft section, a pair of vertical hollow turret shafts carrying article advancing turrets, a fixed post extending upwardly through said hollow shaft, a pair of fixed vertical stanchion posts and a driving connection between the drive shaft section and said turret shafts to drive the latter in opposite directions, the said posts in each unit supporting functionally independent instrumentalities for performing one complete step in a selected plurality of container forming operations, said instrumentalities being powered from said turret shafts, means to connect the several frame units rigidly together with the drive shaft sections of the several frame units in substantial alignment, and means flexibly coupling the adjacent ends of the drive shaft sections together, the radial distance between the turret shafts in



each frame unit and between adjacent shafts in adjacent frame units being equal to permit transfer of articles from one turret to the next in a continuous path through the successive frame units.

2,550,157
PUMP AND FILLING PLUG
Eric Mazza, Bronx, N. Y.
Application January 22, 1947, Serial No. 723,592
3 Claims. (Cl. 222—385)

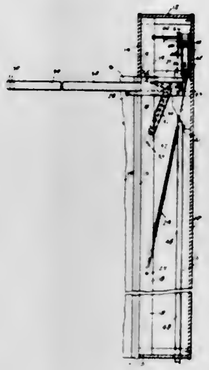


1. A fluid reservoir filling apparatus including in combination, a fluid supply container, a hand pump mounted in said container, a filling plug connected to said pump by a hose line, a reservoir into which said filling plug may be inserted for refueling, a spring clip affixed to the barrel of said filling plug that acts as a stop when the barrel is inserted in the said reservoir, said filling plug having a float mounted therein, means to limit the depth of penetration of the barrel of said filling plug into said reservoir.

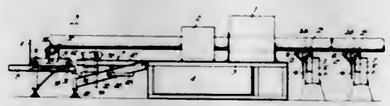
2,550,158
CLOTHES RACK
J. Lynn McCormick, Indianapolis, Ind.
Application July 19, 1945, Serial No. 605,886
4 Claims. (Cl. 312—300)

2. In a rack structure a bar-supporting pivotally mounted means, means normally constraining said bar-supporting means in one position, cushion means for limiting the movement of the

bar-supporting means into its constrained position, manually releasable means for holding said bar-supporting means in another position in opposition to said constraining means, stop and bearing means positioned to be operatively engaged by the bar-supporting means when the same is released to said constrained position and other stop means engageable with said bar-supporting means for maintaining the bar-supporting means in engagement with the stop and bearing means.



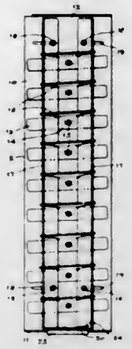
2,550,159
PIPE HANDLING GEAR
Alfred O. Mickelson, Elmhurst, Ill., assignor to Pipe Line Service Corporation, Franklin Park, Ill., a corporation of Illinois
Application January 8, 1945, Serial No. 571,941
4 Claims. (Cl. 29—239)



1. In a pipe handling gear, a frame, a sub-frame pivotally mounted in said frame; means for swinging said sub-frame around said pivot mounting to raise and lower the same, a rolling skid disposed transversely of said sub-frame, a shaft journaled in said sub-frame and extending transversely thereof, means for rotating said shaft, and means on the shaft operated by a rotation thereof for engaging a pipe, moving the same longitudinally of the sub-frame and then lowering the same onto said rolling skid.

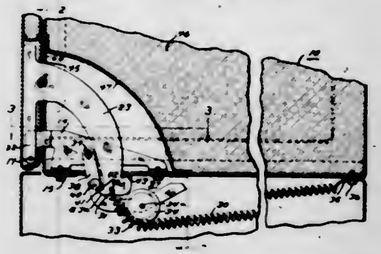
2,550,160
MAGAZINE FOR MULTIGRAPH MACHINES OR THE LIKE
Frederick Arthur Monk, Scarboro Post Office, Ontario, Canada
Application May 1, 1948, Serial No. 24,563
9 Claims. (Cl. 271—61)

1. A magazine for a multigraph machine or the like comprising a vertical backing plate, aligning means extending forwardly of said backing plate, and a plurality of vertically spaced platforms extending forwardly of said backing plate between said aligning means and inclined transversely of said backing plate to support in substantially level position a stack of material of



non-uniform thickness held between said aligning means.

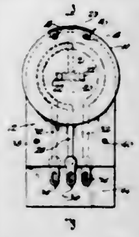
2,550,161
DOOR COUNTERBALANCE
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 14, 1945, Serial No. 616,361
7 Claims. (Cl. 126—191)



1. A device of the character described comprising a main body having a wall provided with an opening, a door hinged to said body adjacent said opening and adapted to close said opening, a pulley lever hinged to said main body, a pulley on said lever, tension spring means having one portion secured to said door, an intermediate portion passing over said pulley and a third portion secured to said body, said spring means imparting a bias to said lever, and means on said door and lever responsive to said bias and cooperatively holding said door both in closed or slightly open positions.

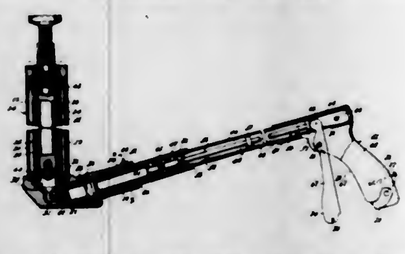
2,550,162
TUNING ASSEMBLY
Merlin Petroff, Lake Bluff, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 3, 1948, Serial No. 47,573
5 Claims. (Cl. 171—242)

1. A tuning assembly, comprising a stationary plate, a rotating plate, a layer of conducting material on one side of the stationary plate in the form of a single turn of a coil, a layer of conducting material on the other side of the stationary plate in the form of a one-half turn of a coil, a layer of conducting material in the form of a one-half turn of a coil on the rotating plate, the rotating plate being arranged parallel to and closely adjacent the stationary plate, an electrical contact between one end of the one-half turn coil on the rotating plate and one end of the one-half turn coil on the stationary plate,



a movable ball connected to the rotating plate, means forming an electrical connection between the other end of the one-half turn coil and the ball, and means for selectively positioning the movable ball with respect to the stationary plate.

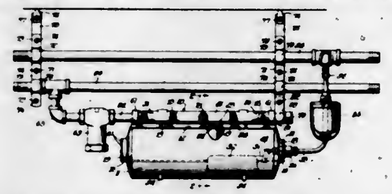
2,550,163
RIGID HANDLE AXLE JACK
John H. Phenning, Winona, Minn., assignor to Vulcan Manufacturing Co. Inc., Winona, Minn., a corporation of Minnesota
Application February 27, 1946, Serial No. 650,483
12 Claims. (Cl. 254—93)



1. In a jack of the class described, the combination of a vertical lifting plunger, a fluid system for raising the lifting plunger, a rigid handle rigidly connected to the jack and extending outwardly therefrom, a hand grasp on the outer end of said rigid handle for positioning the jack as a whole, actuating means in said handle for actuating the fluid system in the jack for raising the lifting plunger, and hand operated means on the outer end of said rigid handle for operating said actuating means, said hand operated means on being moved in one direction serving to raise the lifting plunger and on continued movement in the same direction moving to a predetermined position for conditioning said actuating means to permit the lifting plunger to be lowered.

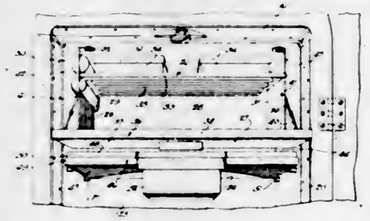
2,550,164
INSECTICIDE ATOMIZER
Hyman Richard Rich, Chicago, Ill., assignor to West Disinfecting Company, Long Island City, N. Y., a corporation of New York
Application July 31, 1947, Serial No. 764,974
2 Claims. (Cl. 299—86)

1. In an insecticide atomizer, the combination of a liquid-holding tank for liquid insecticide, said tank consisting of an elongated cylindrical container having a flat top, an air manifold secured on and located above the flat top, said manifold including a plurality of air jets extending from its opposite sides, a liquid siphon tube for each jet extending through the flat top of the tank and entering into the tank, the upper end of each tube being positioned adjacent to one of the jets and above the flat top, an air-supply pipe located above and extending substantially parallel to the air manifold and coupled to one end of said manifold, a liquid-supply pipe located above the air-supply pipe and extending substantially parallel thereto, said liquid supply



pipe being coupled to the tank, float-controlled valve means associated with said tank for automatically maintaining a substantially constant liquid level therein, hangers coupling together the air manifold and the air and liquid-supply pipes, and supporting means at the bottom of the tank on which the tank can be rested and on which said tanks and the pipes coupled thereto can be moved as a unit.

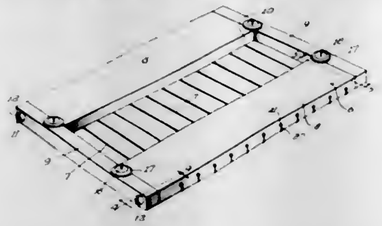
2,550,165
REFRIGERATOR HAVING A SECONDARY COOLING MEANS
William E. Richard, Evansville, Ind., assignor to Seeger Refrigerator Company, a corporation of Minnesota
Application January 26, 1946, Serial No. 643,642
11 Claims. (Cl. 62—89)



1. In a refrigerator, the combination of an insulated cabinet having an outer shell and a liner of heat conducting characteristics, said liner forming an interior cabinet space which is divided by an insulated partition into upper and lower compartments, a primary evaporator unit located in the upper one of said compartments spaced from the walls of the liner, but closely adjacent to said walls, said evaporator being adapted to provide a freezing temperature in said upper one of said compartments and by radiation and convection of heat from the liner to the evaporator by the adjacent air to cool the adjacent walls of the liner, a secondary refrigeration system comprising a closed system having a plurality of refrigerant passages, said refrigerant passages extending along predetermined walls of the liner from points adjacent the primary evaporator to the lower parts of the liner wall for cooling the side walls and rear wall of the liner at a higher temperature than that existing in the other compartment of the refrigerator, said refrigerant passages extending upwardly and downwardly on the side walls of the liner and being curved to extend across the back of the liner to cool that portion of the back

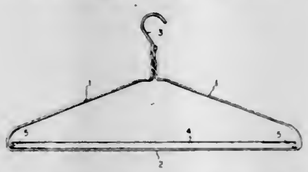
of the liner at a point remote from the primary evaporator, said passages being provided with a manifold joining the passages at the lowermost point of said secondary system.

2,550,166
PLURAL WIRE BUTTER CUTTER
Edgar H. Sargent, Cedar Rapids, and John B. Wadsworth, Council Bluffs, Iowa, assignors to The Sargent Company, Cedar Rapids, Iowa, a corporation of Iowa
Application July 19, 1946, Serial No. 684,920
2 Claims. (Cl. 30—117)



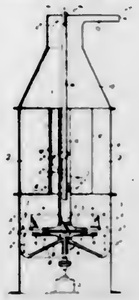
1. As a new article of manufacture, a cutter adapted to cut butter and like products into pats and comprising a rectangular frame adapted in connection with a cutting operation to be held substantially horizontally and then shifted downwards and consisting of a pair of elongated parallel laterally spaced side members having longitudinally extending sockets in their outer corners and a pair of end members having the ends thereof disposed adjacent the ends of the side members and provided with transverse bores in alignment with the sockets, pivotal elements extending through the bores and into the sockets and serving to support said side members so that they are permitted to swing relatively to the end members, and a longitudinal series of spaced apart wires having the central portions thereof extending transversely across the space between the side members of the frame and their end portions underlying and fitting flatly against the bottom faces of the side members and anchored to said side members, and adapted in response to downward swinging of said side members relatively to the end members to have their central portions placed under tension.

2,550,167
GARMENT HANGER AND METHOD OF REINFORCING SAME
Stanley Simmons, Baltimore, Md., assignor to Cleaners Hanger Company, Detroit, Mich., a corporation of Michigan
Application June 11, 1947, Serial No. 753,956
5 Claims. (Cl. 223—88)



1. The method of reinforcing a substantially triangular wire garment hanger by a strut, consisting in disposing the strut between the ends of the hanger and in substantial parallelism with the lower span of the hanger, such strut being proportioned to fit freely between said ends, and then crimping said span and thereby permanently reducing its length to embed the hanger ends in the strut ends.

2,550,168
MILL FOR THE FINE GRINDING OF GRANULAR MATERIALS
Otakar Šmid, Ostrava-Mar. Hory, Czechoslovakia, assignor to Ostravske Chemicke Zavody, Narodni Podnik, Zavod Dusikarny, Ostrava, Czechoslovakia
Application June 26, 1948, Serial No. 35,475
In Czechoslovakia June 18, 1947
3 Claims. (Cl. 241—52)



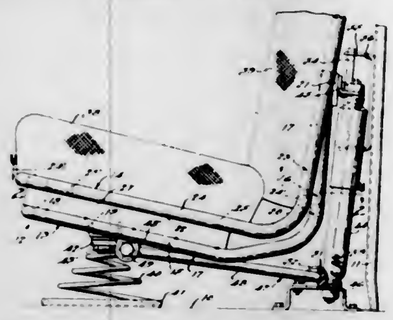
1. In a device for grinding fibrous materials and particularly wood chips, grain and flour a vertical, closed, circular chamber, a fan and a fan housing in the lower part of said chamber, said housing including two opposite vertically and peripherally spaced apart conical top and bottom members, a horizontal fan disc rotatably located in said housing, said members forming a 360° peripheral outlet for said disc and having a central opening for the admission of the fibrous materials to opposite sides of said fan disc, a vertical tube centrally extending into and through said chamber into the vicinity of the opening of said top fan member and in line therewith, to thus centrally charge the fibrous materials to be ground through said opening onto said rotatable fan disc, two annular superposed abrading bodies of a triangular shape surrounding said fan having diameters smaller than that of said chamber to thus provide an annular peripheral separation zone, said abrading bodies having their grinding faces located slightly above and below said peripheral fan outlet, said grinding faces converging in the radial exit direction of the charged materials from said fan and forming a circular grinding path therebetween into which the said materials are hurled by said fan disc and a tube at the top of said chamber for the discharge of the fines by suction.

2,550,169
LAMP RESISTOR
Louis Sokoloff, Chicago, Ill.
Application December 29, 1948, Serial No. 67,800
6 Claims. (Cl. 201—49)



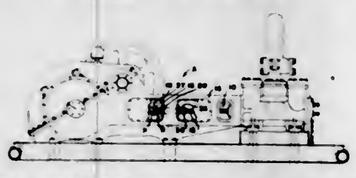
1. In an overload protected washer type resistor for use in an electrical socket, comprising a wire resistance wound on a support member, in series electric connection with said socket, overload protection means in the form of a deposit of fusible metal secured by said support member adjacent to said wire resistance in a non-shunting position thereto, said wire resistance having little space for heat dissipation, and being constructed and arranged to heat up and fuse said deposit of fusible metal to shunting relation to said wire resistance upon an overload to said socket.

2,550,170
VEHICLE SEAT CONSTRUCTION
Roy G. Spiess, Jr., Owosso, and Charles E. Read, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application August 13, 1945, Serial No. 610,470
6 Claims. (Cl. 155—9)



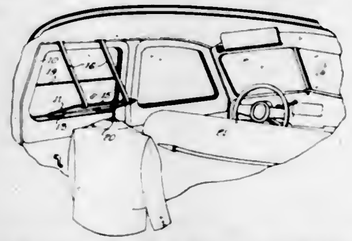
3. A vehicle seat construction including in combination a fixed member having an upstanding part, a frame assembly having an upstanding part, spring means supporting the frame assembly on said fixed member and permitting vertical movement of the frame assembly relative to said fixed member, means confining movement of the frame assembly to a substantially straight-line path of travel and including a vertical guide carried by one of said upstanding parts and rollers carried by the other of said upstanding parts, in engagement with opposite sides of the guide, a bar extending lengthwise of said frame assembly and journaled on said fixed member, and arms rigidly connected with and extending angularly from opposite ends of said bar and having the free ends thereof journaled on said frame assembly, said arms having a substantial length relative to the vertical movement of the seat.

2,550,171
SLUSH PUMP
Quinn O. Stevens, Oklahoma City, Okla.
Application July 23, 1948, Serial No. 40,261
3 Claims. (Cl. 103—202)



1. In a crosshead extension rod structure for a slush pump which slush pump has a pump housing, a piston rod and a crosshead, means to permit rotation of said piston rod with respect to said crosshead, including a swivel housing fixedly secured to said piston rod and rotatably secured to said crosshead, and means to cause rotation of said swivel housing and piston rod upon reciprocation of said crosshead, swivel housing and piston rod, including a bracket structure secured to said pump housing and provided with a groove, said groove including a first portion and a second portion with the longitudinal axes of said portions forming an obtuse angle and one of said portions extending longitudinally of said pump housing, a ratchet ring extending about the periphery of said swivel housing and fixedly secured thereto, a spring-loaded trip having a ratchet tooth-engaging head and a tail structure, a trip housing for reciprocally mounting said trip with said tail structure extending into said groove and engaging the side walls thereof, and a bracket for said trip housing slidably carried by said swivel housing.

2,550,172
CLOTHES CARRIER FOR AUTOMOBILES
Clyde E. Swalwell, Dallas, Tex.
Application August 14, 1947, Serial No. 768,526
1 Claim. (Cl. 224—42.45)



In a garment carrier adapted for attachment to an automobile door, the combination comprising a substantially U-shaped garment hanger supporting frame having its ends turned into confronting relationship to define supports for said frame adapted to bear against the glass of said automobile door, a rubber sleeve embracing each of said supports, a metal strap attached at its lower end to each corner of said frame, said straps extending angularly upward and engaging over the top of said door and means for affixing the upper ends of said straps to said door to support the outer end of said frame.

2,550,173
PROCESS FOR PURIFICATION OF CALCIUM FLUORIDE AND LITHIUM FLUORIDE AND MANUFACTURE OF MACROCRYSTALS THEREOF
Carl F. Swinehart, University Heights, Ohio, and Marie Early, Cambridge, Mass., assignors to The Harshaw Chemical Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 28, 1949, Serial No. 124,249
6 Claims. (Cl. 23—88)

1. A process for the purification of a preexisting crystalline body of a fluoride of the class consisting of CaF_2 and LiF, said body exhibiting coloration not characteristic of the pure compound, said process comprising passing elemental fluorine into contact with said body in a solid state for a period of from 2 hours to a week, whereby to remove impurities which form volatile fluorides, and to improve the color thereof.

5. A process which comprises passing elemental fluorine into contact with colored pieces of fluorspar of volume of the order of from

0.002 to 1.0 cubic inch and for a time from 8 hours to a week at a temperature from 200° C. to 1000° C., thereafter selecting colorless pieces free from visible inclusions other than white clouding from the resulting material, fusing them and allowing the resulting melt to recrystallize over a period of from 1 to 10 days.

2,550,174

PROCESS OF BONDING TWO METAL MEMBERS WITH AN APERTURE THEREIN

Harold A. Towner, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 3, 1947, Serial No. 777,748
1 Claim. (Cl. 29—148)



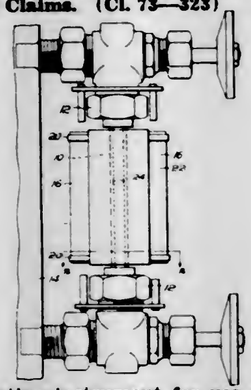
The process of bonding together two metal members which are to have a sealed aperture therein which includes forming an aperture in one of the members larger than the aperture desired, assembling the members together with a sheet of bonding material extending throughout the area between the assembled members, extruding an eyelet from the other of the members and the bonding material through said aperture for lining said aperture and holding the members and the sheet of bonding material together, applying a bonding material around the eyelet, and heating the assembled members at a sufficient temperature for a sufficient length of time to cause the bonding material to bond the members together.

2,550,175

DIRECT READING GAUGE FOR COLD FLUIDS

Ernest E. van Ham, Somerville, Mass., assignor to Jerguson Gage & Valve Company, Somerville, Mass., a corporation of Massachusetts

Application February 8, 1950, Serial No. 143,021
10 Claims. (Cl. 73—323)



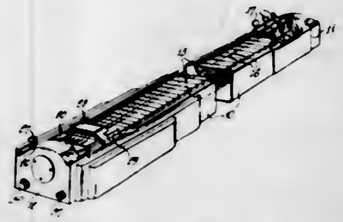
1. An indicating instrument for use with cold liquids of the type which embodies a container for liquid at least a part of the wall of which is a transparent glazing providing for direct ocular inspection of the liquid behind the glazing characterized by the fact that there is mounted on the glazing with its inner side in intimate contact with the exterior thereof a block of transparent material of relatively low heat conductivity, the block being of substantial depth radially of the glazing to preclude chilling of its outer face to condensing temperatures by conduction to the glazing and disposing said face beyond the thickness of frost accumulating on laterally adjacent portions of the container.

2,550,176

MULTIFACED STRINGED INSTRUMENT

William F. Vitovsky, Dallas, Tex.

Application September 23, 1949, Serial No. 117,309
1 Claim. (Cl. 84—1.16)



In a steel guitar the combination comprising an elongated case having an open top, removable ends on said case, a multi-sided core rotatably arranged longitudinally in said case and concealed thereby except for one side of said core, a shaft extending axially through said core whose ends are journaled in the ends of said case, a set of strings on each face of said core, an annular flange embracing said core adjacent one end thereof having circumferentially spaced, peripheral notches therein, a spring arm affixed at one end to the wall of said case and extending under said annular flange, a roller carried by said spring arm normally in engagement with the periphery of said flange and adapted to be received in selected notches thereof, a plunger for depressing said spring arm to release said core for rotation in said case, and means for electrically amplifying the vibrations of a selected set of strings to the exclusion of the companion set.

2,550,177

ELECTRICAL SOCKET

Harry W. Wellington, Chicago, Ill.

Application December 6, 1946, Serial No. 714,444
1 Claim. (Cl. 200—51.02)



An improved electrical socket comprising an outer casing, the said casing comprising at least two parts, a means thereon to hold said parts in closed relationship, a means in one of said parts to fasten thereto electrical wire leads, a switch means within the said casing, expulsion type spring means in electrically contacting juxtaposition with the said wire leads and said switch, one of said spring means being longer than others, whereby the electrical circuit in the switch mechanism is broken by the unequal expansion of the longer spring when the casing parts are disjointed.

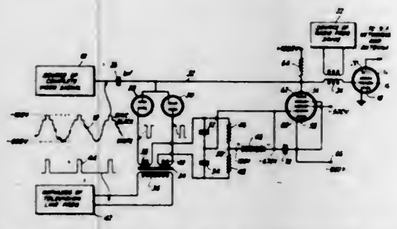
2,550,178

DIRECT CURRENT REINSERTION CIRCUIT FOR TELEVISION SYSTEMS

Karl R. Wendt, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 21, 1946, Serial No. 711,435
8 Claims. (Cl. 178—7.1)

1. A television system wherein there is provided a source of television video signals including both image and synchronizing signals, a first electron discharge tube having at least an anode, cathode and control electrode, an input circuit having a terminal galvanically connected with said first tube control electrode, means for applying the video signal to said input circuit terminal, a second electron discharge tube having at least an anode, cathode and control electrode, a galvanic connection between said second discharge tube anode and said input circuit terminal, a galvanic connection from said second discharge tube cathode to a source of biasing potential for



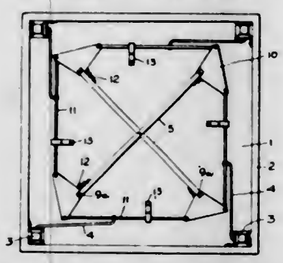
said first discharge tube control electrode, a circuit galvanically connected with said input terminal for developing a control potential whose magnitude represents the absolute potential of the peak excursions of said video signal synchronizing pulses at said input terminal relative to some constant datum potential, and connections impressing said control potential between the cathode and control electrode of said second discharge tube to control the impedance thereof whereby to alter the impedance of said second discharge tube in accordance with the absolute potential peaks of applied video signal.

2,550,179

FOLDING TABLE WITH LEG ACTUATOR

Leo H. Wirsig, Deepwater, Mo.

Application March 16, 1948, Serial No. 15,210
3 Claims. (Cl. 311—82)



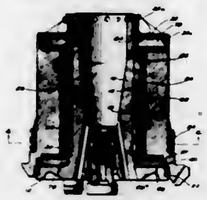
3. In a folding table the combination of four U-shaped outwardly facing clips equi-spaced apart and secured to the underside of the table, U-shaped levers having their leg extremities each pivoted to one leg of the U-shaped clips, a series of four link rods pivotally connecting adjacent ends of the U-shaped levers, four table legs pivoted to the underside of the table, leg-operating connections between each leg and one of the connecting rods, and a plurality of retractile means each secured at one end to a U-shaped clip and at the other end to one of the U-shaped levers and adapted to swing in the space between the legs of the U-shaped clips and levers from one side to the other of the lever pivotal points to apply force holding the legs in their open or closed positions.

2,550,180

SEALING MEANS FOR THE WORK CHAMBERS IN OSCILLATING VANE TYPE FLUID MOTORS

Arthur N. Allen, Jr., East Windsor Hill, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application June 19, 1946, Serial No. 677,678
9 Claims. (Cl. 121—38)



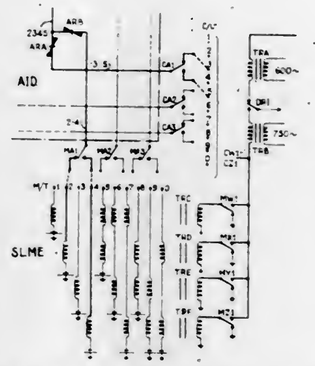
1. A seal for the end of a vane motor comprising a member overlying the inter-vane spaces and the end of a vane, and mechanism for maintaining fluid pressure on the side of said member remote from said vane end substantially equal to the van moving pressure in the vane motor, means including said member providing leak passages for fluid flow from said inter-vane spaces to said remote side, said means and said member forming a closure rendered effective by the pressure on said remote side for blocking fluid flow from said remote side to an inter-vane space.

2,550,181

LINE IDENTIFICATION SYSTEM

George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a company of Great Britain

Application April 4, 1947, Serial No. 739,478
In Great Britain May 25, 1946
11 Claims. (Cl. 179—27)

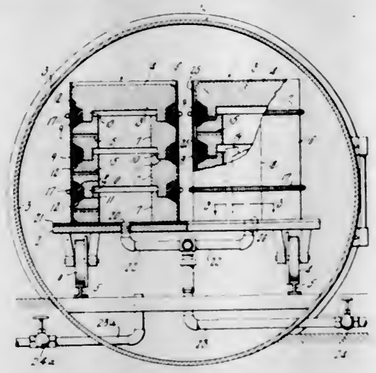


1. In a line identification system, a line, a plurality of marking leads, different ones of said leads associated with said line in accordance with the line designation thereof, a plurality of high speed relays less in number than the number of leads, each having only a single pair of make contacts, means for rapidly operating said relays in succession, and means responsive to the closing of said contacts for successively applying, alternating potential to different combinations of said leads to send signals corresponding to a line designation.

2,550,182
RUBBER COMPOSITION, METHOD OF VULCANIZING SAME, AND RESULTING PRODUCT
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 15, 1948, Serial No. 33,232
19 Claims. (Cl. 260—793)

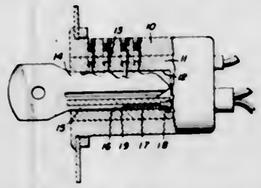
1. An improved vulcanizable composition comprising rubber, sulfur as vulcanizing agent, a dithiocarbamate accelerator selected from the class consisting of dialkyl ammonium N,N-dialkyl dithiocarbamates wherein each alkyl group contains from 1 to 12 carbon atoms and dibenzyl ammonium N,N-dibenzyl dithiocarbamate, and, as the sole combined zinc activator therefore a zinc salt of an aliphatic monocarboxylic acid selected from the group consisting of zinc 2-ethyl hexanoate and zinc naphthenate in amount effective to activate vulcanization of the composition.

2,550,183
APPARATUS FOR MOLDING V-BELTS
Harry A. Bourne, Philadelphia, Pa., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 14, 1946, Serial No. 709,877
8 Claims. (Cl. 18—6)



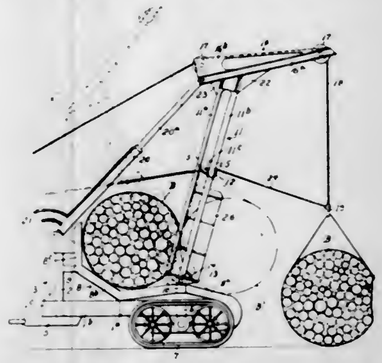
5. In apparatus for curing endless belts, or the like, an assembly of hollow mold rings nested together to form a chamber, one of said rings having means associated therewith providing a pressure surface closing one end of said chamber, the mold rings being provided with a series of molding grooves for receiving the uncured belts, a support for the ring assembly closing the other end of said chamber and being provided with an exhaust opening, a metal pressure band wrapped around the ring assembly with overlapping edges and resting on the exposed surfaces of the belts, a shim between the inner end of the band and the belt surfaces, clamping means holding the band and shim in assembled relationship, a curing vessel for receiving said support and means for supplying high pressure steam to the interior of said vessel, the steam initially leaking past the belts and rings into the chamber and being exhausted through said opening whereby a difference in pressure is built up between the interior and exterior of said rings so that the steam acting on the pressure band squeezes it around the uncured belts to force them into intimate contact with the molding grooves, the pressure of the steam acting on said pressure surface to force and hold the mold rings together during the curing process.

2,550,184
LOCK HAVING KEY EJECTING MECHANISM
R L Brown, Corsicana, Tex., assignor of one-half to J. N. Garitty, Corsicana, Tex.
Application January 3, 1950, Serial No. 136,506
2 Claims. (Cl. 70—388)



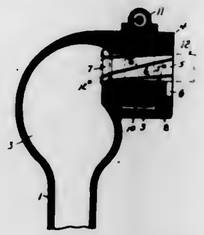
1. A cylinder-type lock having a rotatable plug, said plug having a key shank passage and a bore parallel to the key shank passage, and a coil spring in the bore for ejecting a key having a shank and a pin parallel to said shank when inserted in the key shank passage and bore respectively.

2,550,185
SELF-LOADING VEHICLE
Tom N. Busch, Georgetown, S. C.
Application January 2, 1948, Serial No. 133
6 Claims. (Cl. 214—65)



1. In apparatus of the class described, a base having a base frame including parallel longitudinal side beams, and a cross beam connecting the same adjacent one end of said frame and a draft connection at the other end of the same, road traversing elements supporting said base beam, two side bars, one mounted at either side of said base frame and each including a bridge-like portion located over said road traversing elements and including upwardly directed load stops located between said bridge-like portions and the draft end of said base frame, a cross beam connecting said bridge-like portions, an A-frame pivoted to said last named cross beam adjacent its ends, an arm carried by the upper end of said A-frame and having rope guides, a load lifting cable taking over said guides, and a double acting hydraulic ram mounted on said base and operatively connected with said A-frame for swinging it back and forth on the pivotal axis of the A-frame.

2,550,186
FLEXIBLE HOSE FOR CONNECTION TO FAUCETS
Charles C. Clamp, San Antonio, Tex.
Application July 26, 1948, Serial No. 40,685
9 Claims. (Cl. 285—90)



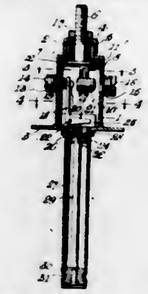
2. A hose for purposes described comprising a hose proper having an inlet end merging with a hollow bulb, and a head whose outlet end merges with said bulb and is provided with a passage whose axis extends at right angles to the axis of said hose proper, said head having a lip with a slot, and a hose clamp on said head, said clamp having a strap passing through said slot of said lip.

2,550,187
EMERGENCY TANK UNLOADING DEVICE
Jesse L. Creed, Port Arthur, Tex.
Application October 8, 1946, Serial No. 701,962
1 Claim. (Cl. 137—69)



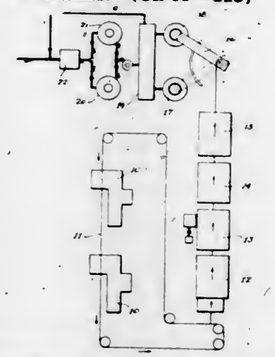
An emergency drain device including a conical plug adapted for insertion of its reduced end into the threaded bore of a discharge orifice in the bottom of a tank, a tubular pipe extending axially of said plug and having an adit at the reduced end thereof, a supporting member surrounding said pipe adjacent the enlarged end of said plug, means engaging said supporting member for forcing said conical plug into said discharge orifice, a flexible conduit connected with said pipe adjacent said supporting member, and a valve secured to the end of said flexible conduit, said supporting member including a hollow cruciform body forming pairs of aligned arms, said pipe extending through a pair of said aligned arms and said means comprising a pair of handles, each detachably secured in one of said other pair of arms of said body.

2,550,188
THERMOSTATIC SWITCH
Frank Lee Darling, Los Angeles, Calif., assignor to D. K. M. Company, Los Angeles, Calif., a corporation of California
Application March 27, 1950, Serial No. 152,065
9 Claims. (Cl. 200—137)



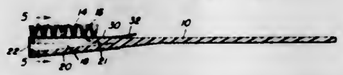
1. In a thermostatic switch, a casing, a base integral with said casing, said casing having a neck, a metal binding post mounted in and insulated from said casing and having a portion projected through said neck, means securing said binding post in place, said binding post having a contact holder, a contact adjustably mounted in said holder, said casing having an internally threaded boss in alignment with the aforesaid contact, a closure plug for said boss, a lever pivotally mounted in said casing and having a contact element for engaging said first mentioned contact, means continuously tending to move said lever to circuit-closing position, and thermostatic means acting on said lever in opposition to said continuously tending means.

2,550,189
BULK EGG BREAKING AND SEPARATING
Orville E. Droege, Glenellyn, and Cedric Hale and Paul Schauert, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1948, Serial No. 7,856
7 Claims. (Cl. 99—113)



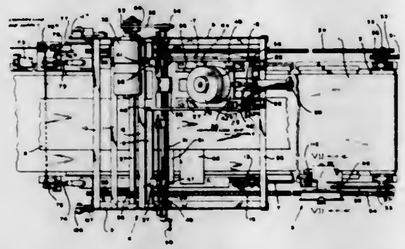
1. The method of breaking shell eggs in bulk and separating the egg meats from the shells, comprising heat stabilizing all of the shell eggs at a temperature of about 136° F. without appreciably cooking the egg meats and sterilizing the surface of their shells, and then simultaneously breaking a number of the shell eggs and centrifugally separating the meats from the shell particles.

2,550,190
DISPOSABLE TOOTHBRUSH
Abraham Greenberg, New York, N. Y.
Application June 22, 1949, Serial No. 100,623
5 Claims. (Cl. 15—135)



1. A toothbrush including a head of bendable material, having bristles thereof, a longitudinal slot in said head defining first and second walls, the adjacent surfaces of said first and second walls being inclined to define a wedge-shaped chamber therebetween, a collapsible side wall secured to said first and second walls, a longitudinal slot through said first wall extending into said chamber and between said bristles, said second wall being bendable to discharge the contents of said chamber onto said bristles.

2,550,191
AUTOMATIC CUTTING DEVICE
Edmond Godat, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 12, 1947, Serial No. 734,051
27 Claims. (Cl. 164—76)



1. An apparatus for cutting strip material comprising a cutter, a conveyor for supporting and moving strip material, a carriage moveable with the conveyor, a second carriage moveable transversely of the first named carriage, a third carriage moveable longitudinally of the second named carriage, means for supporting the cutter in an inclined position on the third named carriage, means for advancing the cutter into cutting position with the strip material, and means for moving the second named carriage transversely of the conveyor, whereby the strip material is severed with tapered edges.

2,550,192
FOURDRINIER MACHINE
Harry H. Hart, Wilmington, Del., assignor to The Pusey & Jones Corporation, Wilmington, Del., a corporation of Delaware
Application June 9, 1947, Serial No. 753,496
1 Claim. (Cl. 92—44)



In combination with a Fourdrinier machine, supporting means for the tending side of the Fourdrinier frame facilitating installation below the frame of the lower run of an endless, highly flexible, non-metallic forming screen, bundled into a transversely compact, longitudinally elongated loop, and means for opening up the bundled loop and carrying the screen across the machine and smoothing the upper run thereof across its length, said second mentioned means comprising a plurality of pairs of pulleys, means for supporting one pulley of each pair from the frame at the tending side and the other at the drive side with the pairs in transverse alignment, and a band trained around each pair of pulleys with its upper run above the frame and its lower run therebelow, the upper run of each band being adapted to support the upper run of the bundled screen adjacent the tending side, whereby when the tending side edge of the screen is held stationary, the remainder may be carried toward the drive side and smoothed out, by moving the upper runs of the bands toward the drive side.

2,550,193
INNER TUBE
Alfred N. Iknayan, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1947, Serial No. 794,867
4 Claims. (Cl. 152—349)



1. An inner tube for supporting a pneumatic tire having beads on a rim comprising, in combination, an annular tube of rubber composition, that portion of the annular tube adjacent the rim and beads being provided with an exterior strip of rubber composition, the edges of the strip being joined with the annular tube and the remainder of the strip being separated therefrom, part of the separated portion of the strip being more extensible than the remaining portions so that upon inflation of the annular tube those portions of the strip adjacent the beads and rim will remain in a substantially unstretched condition to resist chafing and protect the annular tube.

2,550,194
IMITATION BRICK FORMING MOLD FOR CONCRETE WALLS
Bert S. Jackson, Indianapolis, Ind.
Application August 18, 1949, Serial No. 110,945
3 Claims. (Cl. 25—118)



1. A wall finishing stencil comprising a sheet metal frame of grating construction simulating the bricks and mortar joints of a brick wall, ribs on the rear surface of the frame matching the mortar joints of the wall, raised flanges at the upper edge and at one side edge of the frame spacing the flanges from previously finished work, and a forwardly projecting flange at the other side edge of the frame stopping the spreading of finishing cement applied to the frame.

2,550,195
HARNESS STOP MOTION
Wilfred G. Jasmin, Killingly, and Lester G. Herlihy, Putnam, Conn., assignors to Bachmann Uxbridge Worsted Corporation, Uxbridge, Mass., a corporation of Delaware
Application June 15, 1949, Serial No. 99,142
4 Claims. (Cl. 139—337)



1. In a textile device for operating on a travelling warp of yarns and including a plurality of harness frames, a head, and harness wires interconnecting said harnesses respectively and said head, means for stopping the device upon breaking of one of said harness wires said means comprising, a switch in a stop motion circuit including a plunger adapted when depressed to close said circuit, spring means urging said plunger to elevated open position, a bracket, and a switch operating arm extending over said plunger and pivotally supported adjacent one end in said bracket, and means for operating said switch including, a rod supported on said switch operating arm and connected to it adjacent its other end and having a portion extending under said harness wires, guide means for holding said rod against lateral movement while permitting movement in a vertical plane, and counter-balance means on said rod, on the portion thereof which is opposite the connection between the rod and said arm from the portion extending under said harness wires, the effect of said counter-balance means and said spring tending to rotate said switch operating arm to keep the switch open being overcome when a harness wire breaks and falls on said rod causing said switch closing arm to rotate on its pivot in a direction to depress said plunger thereby closing said switch.

2,550,196
COMPOSITE SOLID CARBON DIOXIDE
Charles L. Jones, New York, N. Y., assignor to International Carbonic Engineering Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 11, 1944, Serial No. 558,216. Divided and this application May 12, 1947, Serial No. 745,587
1 Claim. (Cl. 252—67)

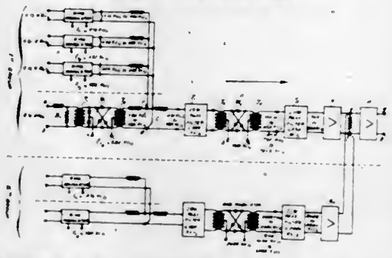
As an article of manufacture, a composite comprised of; a dense block or cake of solid carbon dioxide, and from approximately five to twenty percent (5 to 20%) of a frozen water solution of approximately five to ten percent (5 to 10%) of ethanol, said frozen water solution being in the form of frozen particles substantially uniformly distributed throughout the block or cake of solid carbon dioxide whereby as the carbon dioxide sublimes there is formed and maintained a substantially coherent skeletally continuous blanket of frozen particles of water solution substantially enclosing the composite.

2,550,197
NUTCRACKER AUTOMATICALLY ADJUSTED TO CRACK NUTS OF VARIOUS SIZES
Julius E. Lisbon, Oakland, Calif.
Application June 9, 1950, Serial No. 167,173
3 Claims. (Cl. 146—16)



3. A nutcracker comprising a first handle having a jaw on an inner surface thereof for cracking engagement with a nut, a second handle having a first portion and a second portion hinged together for relative movement therebetween, a movable jaw segment, a pin providing a common hinge support for the first and second handles and for the movable segment, said segment being selectively movable on said second handle and having a jaw thereon for cooperation with said first mentioned jaw for cracking a nut positioned between the jaws, said movable segment having a toothed surface extending arcuately about said pin as a center, and an extension on said second portion of the second handle adjacent to the hinge thereof with the first portion and having teeth thereon, said extension being movable to engage and lock said segment in a nut-cracking position upon closing movement of said handles and to release said segment upon opening movement of said handles.

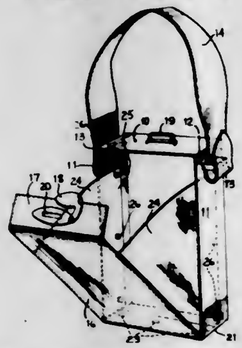
2,550,198
COAXIAL-CABLE CARRIER SYSTEM
Pierre Marzin and René Sueur, Paris, France
Application October 7, 1947, Serial No. 778,444
In France October 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 10, 1964
8 Claims. (Cl. 179—15)



1. A system for multiplex transmission over a transmission medium comprising a plurality of sources of low frequency signals, a plurality of sources of first carrier signals, said carrier signals being separated in frequency by at least twice the highest frequency of the signals of one of said low frequency sources, means for modulating said carrier signals with said low frequency signals and for suppressing said carrier signals comprising a plurality of modulators, connected to said sources, a first low pass filter connected to said modulators and adapted to pass both side bands of said carrier signals and to reject signals as frequencies above the upper side band of the highest frequency carrier signal, a source of second carrier signals, means for modulating said second carrier signals with the side bands of said first carrier signals

and for suppressing said second carrier signals comprising a modulator connected to said source of second carrier signals and to said filter, a second low pass filter connected to said modulator and adapted to pass one side band of said second carrier signals and reject the other side band of said second carrier signals and means for connecting said second filter to said transmission medium.

2,550,199
HANDBAG
Jerry Mess, Chicago, Ill.
Application June 22, 1948, Serial No. 34,531
1 Claim. (Cl. 150—28)



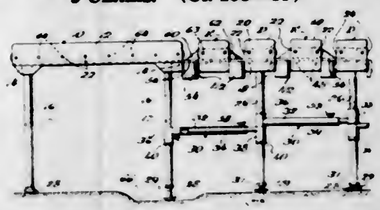
A handbag comprising a receptacle having an open front, a cover for said open front comprising a cover plate, flexible and foldable side walls integral with the plate along corresponding long edges thereof, said side walls extending into the receptacle in confronting relation with the inner surfaces of the side walls of the receptacle, means for detachably connecting the foldable side walls to the side walls of the receptacle, a flap integral with the plate along its lower edge portion and extending over the outer surface of the bottom wall of the receptacle, means for detachably connecting the flap to said bottom wall, a latching flap integral with the cover plate along the top edge thereof and adapted to cover the top wall of said receptacle, and means for latching the latching flap to the top wall of the receptacle.

2,550,200
AUXILIARY SEAT FOR BICYCLES
William P. Murrell, Norman, Okla.
Application December 17, 1946, Serial No. 716,787
2 Claims. (Cl. 155—5.12)



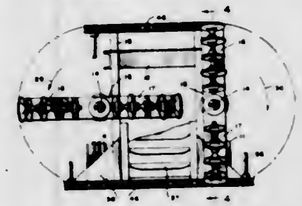
2. In combination with a bicycle frame including a round horizontal bar, an auxiliary seat comprising a rectangular board having padding and covering at the upper face thereof, a pair of transversely extending metallic strips secured to the underside of said board, a pair of downwardly curved headers carried by the center of said strips and adapted to bear on the upper periphery of said horizontal bar, and a pair of adjustable U-shaped clamps carried by said board directly under said headers, said clamps adapted to bear upwardly against the lower periphery of said bar.

2,550,201
ARTICULATED ROLLER CONVEYER
Charles W. Parisi, Maywood, Ill., assignor to Jules T. Parisi, doing business as Pekay Machine Co., Chicago, Ill.
Application November 18, 1946, Serial No. 710,521
5 Claims. (Cl. 193—35)



2. In a conveyor of the gravity roller type, the combination of longitudinally spaced supporting roller units each including supporting legs therefor, and supported roller units alternating with said supporting units, cooperating means connecting said units for relative pivotal movement in a horizontal plane, bracing structure for the legs in said conveyor including longitudinal bracing structure connecting the legs of adjacent supporting units, each longitudinal bracing structure comprising members adapted to be telescopically connected to each other, one of said members being pivotally secured to a leg on one of the supporting units and the other being pivotally secured to a leg of the supporting unit adjacent said first mentioned unit, and means for releasably locking said units against telescopic movement.

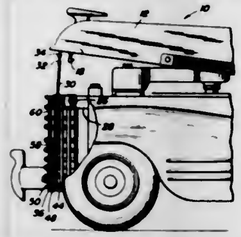
2,550,202
ROCK CUTTING APPARATUS
James S. Robbins, Highland Park, Ill.
Application August 14, 1948, Serial No. 44,341
4 Claims. (Cl. 262—7)



3. In a rock cutting device, a rolling cutter disk having a relatively thin toothed rim portion shaped for cutting a narrow kerf of substantial depth in a rock face, and having a radially wedge-shaped body tapering toward said rim, one side of said body being radially dished inward beyond the plane of said rim, and the other side of said body being radially bulged outward from the plane of said rim.

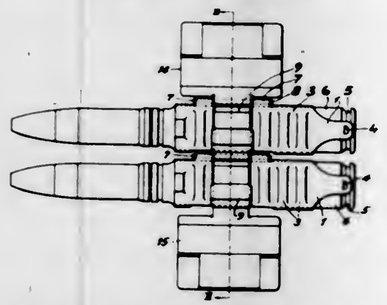
2,550,203
SAFETY HOOD CATCH FOR VEHICLES
Alton C. Robinson, Hereford, Tex.
Application July 7, 1948, Serial No. 37,449
3 Claims. (Cl. 292—262)

3. Means for cushioning and limiting the opening movement of a swingable closure comprising upper and lower elongated members each having an upper end and a lower end, means adjustably securing the lower end of the upper member to the upper end of the lower member, one of said members comprising a spring, means adapted to secure the upper end of the upper member to a closure, additional means carried by the lower end of the lower member for attaching the lower member to a supporting structure, a supporting plate, a plurality of circumferentially spaced arms rising from said plate, a sleeve embraced by said arms and supported on said plate, and



a guide member extending through said plate and threaded in said sleeve for holding the sleeve against the plate, said guide member and said sleeve slidably receiving said upper member, and said means adjustably securing the lower end of the upper member to the upper end of the lower member underlying said guide member and being too large to pass through said guide member.

2,550,204
CARTRIDGE BELT
Börje Sahlin, Stockholm, and Edvin Emanuel Jansson, deceased, late of Bofors, Sweden, by Halvar Nyqvist, executor, Bofors, Sweden, assignors to Aktiebolaget Bofors, Bofors, Sweden, a joint-stock company of Sweden
Application May 6, 1948, Serial No. 25,487
In Sweden September 22, 1945
3 Claims. (Cl. 224—22)



1. A cartridge belt, which comprises: a plurality of arcuately-shaped detachable metal links, each of said links being provided with an angular raised portion extending outwardly from the arc, less than 360 degrees, subtended by said link, each of said links being also formed with a pair of apertures therein, one aperture being located adjacent to each end of said arcuately-shaped link; and a connecting piece for each link, each of said connecting pieces being articulately connected to the corresponding link, and extending through said apertures in said link, the end of each of said connecting pieces extending through one of said apertures in said link being bent at an angle with respect to the adjacent portion of said connecting piece, and over and against said link whereby, when said cartridge belt is closed so that each of said links and the connecting pieces associated therewith encircle a cartridge shell, there results a cartridge belt in which each of said links is provided with a symmetrical raised portion on the exterior surface thereof.

2,550,205
ACYLOXYMETHYL SUBSTITUTED SILOXANES
John Leopold Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 2, 1948, Serial No. 36,813. In Great Britain August 26, 1947
4 Claims. (Cl. 260—448.2)

1. Polysiloxanes, the polymer units of which are of the general formula

$$R_nSiO_{\frac{4-n}{2}}$$

in which R represents a member of the group consisting of alkyl, aryl, acetoxymethyl, and benzoxymethyl, in which polysiloxanes some of the R's are of the group consisting of alkyl and aryl radicals and at least one of the R's is selected from the group consisting of acetoxymethyl and benzoxymethyl radicals, and n is an integer from 2 to 3 inclusive.

2,550,206
PROCESS FOR THE MANUFACTURE OF RUBBER ARTICLES
Rebecca O. Teston, Glenbrook, Conn., assignor to Eastern Rubber Specialties, South Norwalk, Conn., a corporation of Connecticut
No Drawing. Application November 18, 1947, Serial No. 786,799
2 Claims. (Cl. 18—58.6)

1. The process of forming hollow rubber articles that comprises dipping a mold in a carnauba wax emulsion to form a gas impervious layer on said mold, applying a coagulant to the wax coated form, subjecting the form to contact with a dispersion of latex to build up the thickness of the rubber coating on the form, drying the said rubber coating, and then sliding the said rubber coating off the wax coated mold.

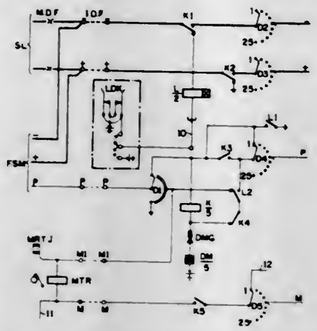
2,550,207
DENTIFRICE COMPOSITIONS
Maurice L. Tainter, Albany, and Emil T. Hinkel, Jr., Slingerlands, N. Y., assignors to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1949, Serial No. 72,768
11 Claims. (Cl. 167—93)

1. A dentifrice comprising microcrystalline aluminum hydroxide having a particle size substantially in the range of 0.025 to 0.5 microns, a dentifrice vehicle and a detergent.

2,550,208
CIRCUIT FOR THE TRANSMISSION OF IDENTIFICATION AND METERING SIGNALS OF CALLING LINES
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 1, 1946, Serial No. 651,294
In Great Britain March 23, 1945
15 Claims. (Cl. 179—9)

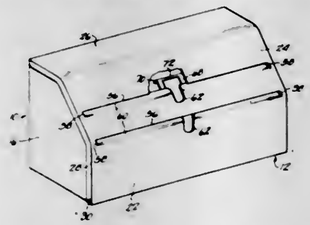
11. In a telephone system a selector, a preselector having access to said selector, connections

between said preselecting device and said selector include a private conductor and a metering conductor utilized for the transmission of both line identification signals and metering signals, a meter, and means for connecting said meter be-



tween said private conductor and said metering conductor, and further connecting means whereby said meter may be operated by a potential applied to one of said conductors and said meter is unaffected by a potential applied concurrently to both of said conductors.

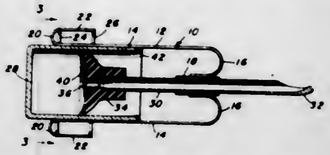
2,550,209
PAPER DISPENSER
Edward S. Tuttle, South Bend, Ind., assignor to Harvell Manufacturing Corporation, La Porte, Ind., a corporation of Indiana
Application January 22, 1949, Serial No. 72,235
4 Claims. (Cl. 242—55.4)



1. A paper dispenser comprising a housing open at its front, a rigid closure spanning said front opening and pivoted at its lower end to said housing on an axis located at the lower front portion of the housing, said closure having a transverse slot therein spaced above said pivot, and a pair of brackets carried by said closure and adapted to support a paper roll adjacent said slot with its center of gravity located in a vertical transverse plane spaced rearwardly from the vertical transverse plane in which said pivot axis lies, and a guide plate secured to said closure and rearwardly offset therefrom to substantially span said slot.

2,550,210
INFANT FEEDER
John T. Vance, Jr., Edna, Tex.
Application August 1, 1949, Serial No. 107,992
1 Claim. (Cl. 222—320)

In an infant feeding device, the combination of a substantially cylindrical cage comprising a set of spaced longitudinally extending rods having straight intermediate portions defining the sides of the cage and reversely curved end portions disposed respectively at the outside and inside of opposite ends of the cage, an annular wire member secured to extremities of the externally disposed end portions of said rods in spaced coaxial relation to the cage, a tubular bushing secured to the internally disposed end portions of said rods coaxially with the cage, an open-ended outlet tube secured intermediate the ends thereof in said bushing, a piston-shaped



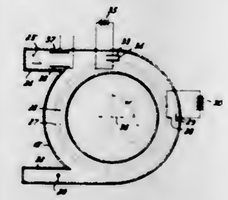
head provided on said tube in said cage, and a removable cylindrical food container slidable in said cage and having its inner surface in frictional sliding engagement with said head, the outer surface of said container slidably engaging the straight portions of said rods and said rods having outwardly curved regions between the straight portions and the externally disposed end portions thereof, whereby to provide guide means for inserting said container in said cage.

2,550,211
AQUEOUS EMULSION AND A PROCESS OF MAKING IT
Andrew J. Watters, West Kilbride, and David M. Shepherd, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 12, 1948, Serial No. 1,906. In Great Britain January 17, 1947
7 Claims. (Cl. 252—311)

1. An aqueous emulsion wherein the aqueous phase constitutes the dispersion medium and the dispersed phase is comprised of a water-insoluble long chain aliphatic substance selected from the group consisting of oils, fats and waxes, the emulsion containing a minor proportion of a water-soluble methyl ether of cellulose in a concentration insufficient by itself to give effective emulsification of said water-insoluble substance and a major proportion of a water-soluble alkali metal salt of carboxy-methyl cellulose having substantially higher viscosity characteristics than said methyl ether.

2,550,212
MAGNETIC INDUCTION ACCELERATOR
Rolf Wideröe, Oslo, Norway, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application December 17, 1946, Serial No. 716,816
In Germany February 17, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 17, 1965
3 Claims. (Cl. 313—62)

1. A magnetic induction accelerator including an evacuated tube within which charged particles such as electrons may follow a closed orbital path, means for providing charged particles within said tube, means adjacent said chamber for cyclically producing a time varying magnetic field having a space distribution such as to produce a stabilizing field on said electrons to confine said electrons within said tube to substantially a predetermined circular orbit while continuously accelerating them along said orbit, the maximum value of said stabilizing force being located on a circle lying outwardly of said electron orbit, means for expanding said electrons spirally outwardly from their orbital path, and an electrostatic electron deflecting device within said tube for guiding said electrons after the latter pass the maximum of said stabilizing force in their



spirally outward path, said deflecting device comprising a pair of spaced electrodes within said tube and which are spaced radially from each other, the innermost of said electrodes lying radially outward of said circle which defines the maximum of said stabilizing force and occupying a position such that the path taken by the spirally expanding electron passes through the space between said electrodes.

2,550,213
HYGROSCOPIC MATERIALS
Harland H. Young, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 28, 1946, Serial No. 651,035
8 Claims. (Cl. 106—136)

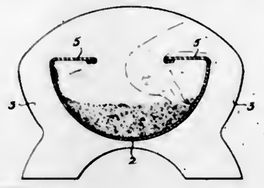
1. A composition of matter for producing an improved adhesive film having prompt remoistening and rapid resetting properties comprising: an aqueous solution of a water-soluble plastic film-forming material selected from the group consisting of animal glue adhesives and amylaceous vegetable adhesives containing a water-soluble diamide of a secondary alkylolamine and an aliphatic dicarboxylic acid as a plasticizer and humectant for the said plastic film-forming material.

2,550,214
WINDOW SHADE FIXTURE
Solomon M. Ayoub, Ansonia, Conn.
Application October 15, 1947, Serial No. 779,988
3 Claims. (Cl. 248—262)



1. In a window shade fixture, a pair of brackets each comprising a trihedral clamping jaw including a front wall and a bracket arm extending outwardly from said front wall, tension means connecting said brackets, said tension means comprising a pair of sections each connected to one of said brackets, and a toggle device for drawing the sections of said tension means toward each other for clamping said brackets in engagement with a window casing.

2,550,215
POULTRY FEEDER
Paul P. Beach, Berwyn, Md.; Charlotte Craig, administratrix c. t. a. of said Paul P. Beach, deceased, assignor of one-third to Courtney W. Gelb, Bergen County, N. J., and one-third to Robert U. Gelb, Jr., Fairfax County, Va.
Application January 26, 1948, Serial No. 4,310
1 Claim. (Cl. 119—61)



A poultry feeder comprising a trough-like receptacle provided with end closures and means for supporting it above the ground, and a pair of horizontal flanges extending inwardly from the upper edges of said trough in opposed relationship, said flanges being of a width which is no less than 1¼ inches and no more than 2½ inches, the space between the adjacent and opposed edges of said flanges being no less than 1¾ inches and no more than 2¼ inches.

2,550,216
BILLFOLD CLOSURE DEVICE
Milton Becker, Passaic, N. J.
Application January 26, 1950, Serial No. 140,720
3 Claims. (Cl. 150—38)

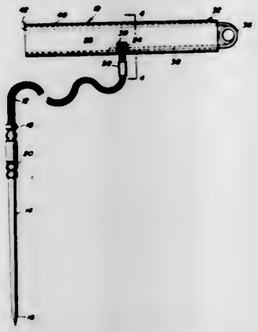


1. A wallet comprising a pair of superimposed rectangular sheets of flexible material secured together along their lower longitudinal edges and also along their end edges to form a pocket therebetween, said sheets being foldable about their vertical center line, a pair of flaps each secured along their upper, lower and outer edges to one of said sheets to form a pair of pockets opening at the center of the wallet, one on either side of said center line, a pair of channel members each to embrace the upper edges of said sheets and one of said flaps and thereby to close the first said pocket, a longitudinal slot in each side wall of each channel member, and a pair of rivets each passed through said sheets and one of said flaps at the upper outer corners thereof, each said rivet also passing through the slots in the associated channel member to secure said channel member to the wallet.

2,550,217
FISH STRINGER
Bernard B. Bourque, Columbus, Ga.
Application October 15, 1948, Serial No. 54,652
5 Claims. (Cl. 224—7)

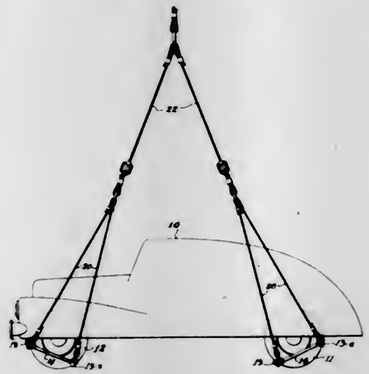
1. In a fish stringer having a stringing needle and a stringing line with a loop formed at the end of the line opposite the needle, the combination comprising a tubular retaining member for said line, a transverse notch in said member

for receiving the loop end of the line and a flexible locking member slidably disposed in said retaining member, said member having opposing arms, one of said arms being engageable with



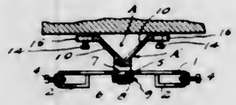
the loop end for holding the same within the retaining member, means formed on the other of said arms for locking the locking member within the retaining member.

2,550,218
AUTOMOBILE SLING
Richard A. Brady, Hoboken, N. J.
Application May 29, 1948, Serial No. 30,051
1 Claim. (Cl. 294—67)



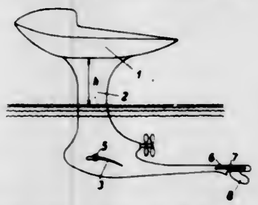
An auto sling of the character described comprising two pairs of parallel cross beams, one pair to carry the front wheels and one pair to carry the rear wheels of an automobile, each pair having a front and a rear beam, said front beams each being made of a pair of channel-shaped members of unequal size, one placed inside the other with their webs in opposite relation thereby forming a strong, light rectangular structure, each of said front beams furthermore having a longitudinal metal strap interposed between said channels and riveted to same, the ends of said straps being bent at right angles to form lifting ears, said rear beams being made from a flat section reenforced in the middle and with both ends bent at right angles to form lifting ears; a pair of flat links pivotally fastened to each end of said pairs of cross beams; a pair of spreaders being located at a distance above and parallel to said cross beams, one spreader for each pair of cross beams; a pair of strong cables connecting each end of said spreaders to the corresponding lifting ears on the ends of said cross beams, and a pair of strong cables connecting the ends of said spreaders to a central lifting eye.

2,550,219
MEANS FOR TRANSPORTING HEAVY LOADS
Edward E. Bellinger, Lancaster, Pa.
Application October 21, 1944, Serial No. 559,779
6 Claims. (Cl. 214—113)



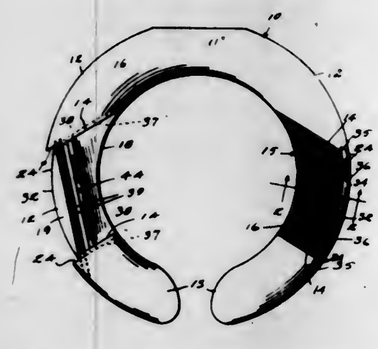
6. A load supporting unit for mounting on a vertically movable load carrier of an industrial lift truck, comprising a member, a bolster of V channel form to engage the bottom of the load, a king bolt integral with and depending from the ridge of the bolster, the member having an opening to receive the king bolt to permit the member and the bolster to be swivelly connected, means for detachably securing the member on the load carrier, and laterally extending substantially flat plates on opposite margins of the bolster for engaging the bottom of the load.

2,550,220
WATERCRAFT ADAPTED TO BE SUPPORTED BY HYDROVANES WHEN IN MOTION
Ettore Bussei, Genoa, Italy
Application September 11, 1946, Serial No. 696,164
In Italy March 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1962
7 Claims. (Cl. 114—66.5)



1. A water craft comprising a hull, a plurality of projections under said hull, angularly shiftable hydrodynamic supporting vanes independently mounted on both sides of said projections, horizontal rudders angularly shiftable in unison and a steering rudder, said rudders being also carried by said projections, propelling means, a device sensible to the variations of height of the craft above water level, vertical reference means provided within the hull, a gyrostatic group constructed and arranged in such a manner as to measure the angular velocity of transverse rolling, a gyrostatic group constructed and arranged in such a manner as to measure the angular velocity of longitudinal pitching, a differential gear, means connecting the vertical reference means with said differential gear, and means connecting the gyrostatic group that measures the velocity of pitching to said differential gear, a servomotor controlled by said differential gear with respect to the sum of the amounts transmitted from the vertical reference means and from the last mentioned gyrostatic group, a pair of driving connections including differential gears adapted to promote equal shifting of said hydrovanes in opposite directions; driving connections connecting said device that is sensible to the variations of height above water level with the last named differential gears and acting through these latter so as to correct the final angular shifting of said hydrovanes by shifting same in the same direction proportionally to the variations of height above water level and means including a servomotor controlled by the vertical reference means and by the gyrostatic group that is sensible to the longitudinal pitching for controlling the horizontal rudders so as to counteract the pitching.

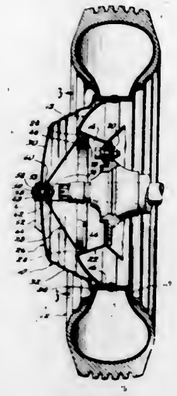
2,550,221
TOILET SEAT
Albert Calderon, Atlanta, Ga.
Application April 15, 1948, Serial No. 21,111
5 Claims. (Cl. 4—237)



1. An improved toilet seat comprising a body having spaced apart side portions, upwardly opening transverse stepped slots formed in said side portions, the bottom surface of each of said slots being inclined outwardly and downwardly and including intermediate vertical portions, a separate seating section disposed in each of said slots and having a lower surface complementary to said bottom surface, and resilient means disposed between the vertical portions of said section and said slot and adapted to constantly urge said section inwardly and upwardly whereby said sections are normally disposed inwardly and upwardly and are moved outwardly and downwardly by the weight of a person positioned on said seat and said sections.

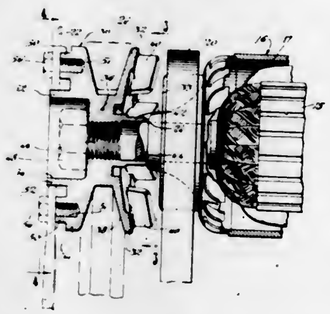
2,550,222
HUB CAP
Joseph M. Carlin, Jacksonville, Fla.
Application April 1, 1946, Serial No. 658,231
5 Claims. (Cl. 301—37)

1. A hub cap adapted to be mounted on an automobile wheel of the type having retaining members engageable by a hub cap to secure the latter against the face of the wheel, comprising in combination a dome-like shell having a diameter substantially equal to that of the wheel, and an adapter secured to said shell at its center, said adapter comprising a circular strip coaxial with said shell, a pair of straps having their ends connected to said circular strip and crossing each other at the center of the circle, and means on said circular strip arranged to engage the hub cap



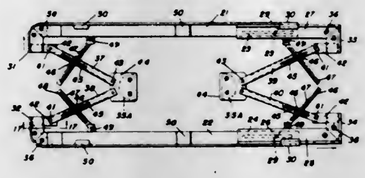
retaining members so as to hold said shell in place.

2,550,223
ADAPTER PULLEY FOR MOTOR VEHICLE GENERATORS
Joseph M. Carlin and Cellon Hamp Rentz, Jacksonville, Fla.
Application March 28, 1947, Serial No. 737,978
5 Claims. (Cl. 230—241)



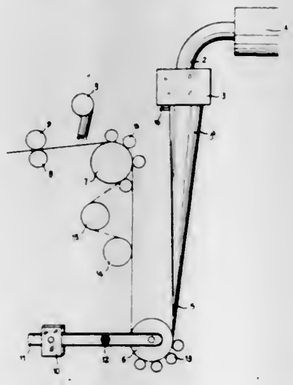
1. An adapter pulley for use with a motor vehicle engine, a generator and cooling system fan comprising a casting having a pair of V-groove defining flanges integral with a hub, an axial tapped bore formed in the hub so that the pulley may be threaded onto the generator armature shaft, a plurality of radially arranged fan blades formed on the outer face of one of said flanges and integral therewith, said fan blades being generally perpendicular to said outer face, a plurality of tapped bosses formed on the outer face of the other of said flanges, and an outwardly directed cylindrical flange coaxial with the hub formed on the outer side of said boss bearing flange and arranged to provide a cylindrical seat for the cooling system fan, said cylindrical flange providing a recess within which a lock nut for securing the pulley to the armature shaft may be contained.

2,550,224
ADJUSTABLE BED
Leonard F. Clerc, Detroit, Mich.
Application September 8, 1947, Serial No. 772,863
9 Claims. (Cl. 5—149)



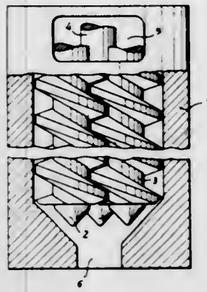
1. In a device of the character described, the combination of a pair of side rails, extension rails slidably secured to said side rails, each of said side rails and said extension rails having a comparatively short end rail secured thereto, arms pivoted to said end rails, and to linkage plates positioned between said side rails, there being a vertically adjustable leg with telescoping sections, and locking means between the sections secured to each side rail and extension rail, and to each of said linkage plates.

2,550,225
METHOD AND APPARATUS FOR MANUFACTURING RIBBONS OF PLASTIC MATERIAL
Roberto Colombo, Turin, Italy
Application February 19, 1948, Serial No. 9,585
In Italy March 28, 1945
4 Claims. (Cl. 18—14)



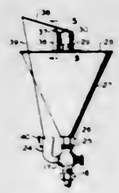
1. Method of manufacturing ribbons from thermoplastic material free from solvents, which comprises extruding the thermoplastic material in tube form, so as to form a tube corresponding in circular development to the desired ribbon width, cutting the tube along a generatrix as it is formed, flattening the cut tube to ribbon form while subjecting the flattened ribbon to an adjustable tension parallel to the length of the ribbon, subjecting the ribbon while flattening it to a slight pressure and simultaneously heating at a temperature lower than the extrusion temperature, in order to polish said ribbon and remove any unevenness due to previous extrusion, cooling the ribbon after flattening and drawing the cooled ribbon.

2,550,226
EXTRUSION PRESS
Roberto Colombo, Turin, Italy
Application February 19, 1948, Serial No. 9,588
In Italy April 30, 1943
2 Claims. (Cl. 18—12)



1. In an extrusion press for materials in a molten or plastic state having at least three intermeshing screws rotating in the same direction, the threads of each screw completely filling the space between the threads of the intermeshing screws, the improvement that the center lines of the intermeshing screws are arranged along the edges of equilateral prisms so that each screw intermeshes with at least two adjacent screws, the axis of one screw being symmetrically located with respect to the axes of all the other screws.

2,550,227
FUEL MILEAGE TESTER
William Sam Compton, Birmingham, Ala.
Application January 25, 1949, Serial No. 72,660
8 Claims. (Cl. 73—113)



1. A fuel mileage tester for use on a vehicle including a carburetor comprising a substantially conical container for liquid fuel and having an inlet in its bottom and an outlet at its top, an air valve also in said top for the admission of air into said container, said air valve having an exposed valve stem by means of which the valve may be unseated, a three-way valve communicating with the lower end of said container for receiving, when in one position, liquid fuel so that such fuel may flow directly into and upwardly through said container, a T coupling connected to the third opening of said three-way valve, a connection between said T coupling and the carburetor, a tube joining the upper end of the chamber with said T coupling so that flow upwardly through the chamber and through the valve may pass to the carburetor, and so that when the three-way valve is in another position liquid fuel may gravitate through the three-way valve and T coupling to the carburetor, a steel spring engageable with said valve stem for unseating said air valve, a connection between said steel spring and said three-way valve so that when said valve is in one position, said spring will be operated to open said air valve, and means extending to the dash of the automobile for operating said three-way valve.

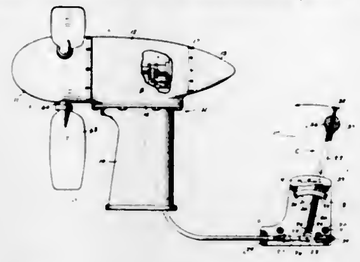
2,550,228
FISHING TOOL
William B. Costin, Seminole, Tex.
Application September 28, 1948, Serial No. 51,590
6 Claims. (Cl. 294—86.1)



1. A fishing tool for deep wells comprising a tubular body to be coupled to a drill line, the bore of said body being provided with an internal valve seat facing the upper end of the body, a collecting basket at the outer end portion of the body extending therearound, a valve member for coaction with the internal valve seat and freely inserted into the bore of the body through the upper end thereof, said body having ports therethrough opening through the inner end of the body and through the periphery of the body, an elongated sleeve having one end portion attached to the lower portion of the body, a bottom sleeve to which the lower portion of the first sleeve is connected, a third sleeve bridging the space between the lower portion of the body and the bottom sleeve, said third sleeve being spaced from the second sleeve to provide a chamber surrounding the second sleeve, the wall of the bottom sleeve being of a thickness to close the lower end of the chamber, said wall having ports therethrough open to the chamber and open at the outer end of the bottom sleeve, the bottom sleeve constituting a basket, and means within the sleeve permitting upward passage into said sleeve of pieces being fished for but preventing downward discharge therefrom.

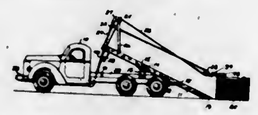
2,550,229
AIR-DRIVEN IMPELLER
Robert B. Cotton, Lansdowne, Pa., assignor to All American Airways, Inc., a corporation of Delaware
Application August 26, 1946, Serial No. 693,044
3 Claims. (Cl. 170—62)

1. In an impeller of the character described, supporting structure including a casing, a nose rotatable with respect to said casing, a hub in said nose, a power take-off in said casing, driving connections between said hub and said power take-off, adjustable pitch blades carried by said hub, a longitudinally movable shaft extending through said hub and journaled in said casing, means operatively connecting said shaft to said blades whereby longitudinal movement of said shaft adjusts the pitch of said blades, an abutment element carried by said shaft, a collapsible sleeve normally in engagement with said



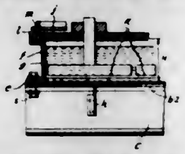
abutment element, spring means normally urging said shaft in a direction opposed by the engagement of said abutment element and said collapsible sleeve, and governor mechanism for causing said sleeve to collapse and permit movement of said shaft under the influence of said spring means when a certain predetermined speed of rotation is exceeded.

2,550,230
LOADING DUMP BODY
James E. Dalton, Burkeville, Va.
Application June 26, 1947, Serial No. 757,087
1 Claim. (Cl. 214—85)



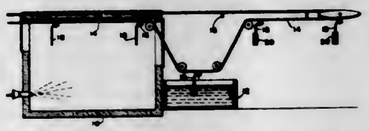
In a truck including a chassis, a vertically disposed plate extending upwardly from said chassis and secured thereto, a horizontally disposed axle supported by said plate, a pair of spaced parallel bearings journalled on said axle, a tiltable body provided with a pair of spaced parallel side rails secured to said bearings, a first cross rail extending between the front ends of said side rails and secured thereto, a second cross rail extending between the rear ends of said side rails and secured thereto, the lower rear portions of said side rails being bevelled, the rear portions of said chassis being bevelled for engaging said side rails when said body is in tilted position, a plurality of cross pieces extending between said side rails and secured thereto, a floor supported by said cross pieces, a pair of spaced parallel vertically disposed uprights secured to the front ends of said rails, an axle journalled in the upper ends of said uprights, a grooved pulley carried by said last named axle, a guide pulley disposed beneath the chassis substantially directly below said grooved pulley, a cable adapted to be connected to a power driven drum trained over said guide pulley and grooved pulley and adapted to be connected to a load, a pair of spaced parallel horizontally and longitudinally disposed bolsters supported upon said chassis and secured thereto, and means for locking said body to said bolsters when the body is in horizontal position.

2,550,231
CELLS FOR THE ELECTROLYSIS OF ALKALI SALT SOLUTIONS
Charles De Prez, Uccle-Brussels, and Alexis Basilewsky, Bortsfort-Brussels, Belgium, assignors to Solvay & Cie, Ixelles-Brussels, Belgium, a Belgian company
Application March 5, 1947, Serial No. 732,570
In Belgium March 11, 1946
1 Claim. (Cl. 204—219)



A mercury cathode cell for the electrolysis of alkali metal salts in aqueous solution comprising, in combination, spaced insulating supports, a rigid, metallic, self-sustaining frame structure resting on said insulating supports, said frame structure being formed from elongated side portions and connecting transverse portions, said side portions and said transverse portions defining a substantially planar supporting surface, an elongated electrolysis trough supported on said frame, said electrolysis trough having a length substantially greater than its width, being substantially more flexible than said frame and comprising a flat sole portion and vertical side walls and end walls removably secured to said sole portion, gasket material between the sole portion and the lower surface of the end walls and side walls, a layer of thermal insulating material interposed between said frame and said sole portion to prevent transmission of heat from said trough to said frame, and securing means connecting one end only of said trough to said frame, the remainder of said trough being free to move with respect to said frame, whereby said trough and said frame are adapted to undergo independent thermal expansion, said trough being adapted to contain a flowing mercury cathode and an aqueous electrolyte overlying the flowing mercury cathode and having a plurality of anodes depending in said trough in predetermined spaced relationship with respect to the surface of said flowing mercury cathode.

2,550,232
METHOD OF COATING METALLIC ARTICLES WITH VINYL RESIN DISPERSIONS
John W. Donnell, East Lansing, Mich., and Kenneth Tator, Sewickley, Pa., assignors to Industrial Lining Engineers, Inc., Sewickley, Pa., a corporation of Pennsylvania
Application June 11, 1947, Serial No. 754,045
7 Claims. (Cl. 117—75)



1. The process of producing a corrosion-proof coating on a surface of a metallic article of manufacture comprising, in combination, applying a primer consisting of a solution of at least one substance selected from the group consisting of rubber and vinyl resins to the surface of the article to be coated, heating the article to develop a temperature therein between 275° F. and 350° F., immersing the heated article while the article retains a temperature between 275° F. and 350° F. in a supply of unheated viscous compound comprising a solvent-free dispersion of vinyl chloride-acetate copolymer in a liquid plasticiser for a period of time of between ¾ minute and 7 minutes, the heat of the metal effecting a change in the phase of the viscous compound closely adjacent to the metal to solidify a layer of the compound in adhering relation to the primer and metal covered thereby, removing the coated article from the supply, and thereafter baking the coated article at a temperature between 350° F. and 375° F. to fuse the solids of the solidified layer.

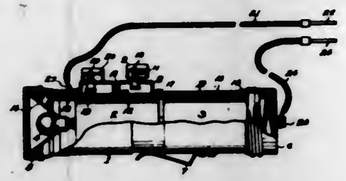
2,550,233
FLASHLIGHT, FUSE, AND CIRCUIT TESTER
James J. Duncan, Flint, Mich.
Application December 11, 1947, Serial No. 790,942
1 Claim. (Cl. 175—183)



In a testing flashlight, the combination which comprises a tubular casing of insulating material, a light bulb socket mounted in one end of the casing, batteries positioned in the casing with a center terminal of one of the batteries positioned for engagement with the terminal of a light bulb in the said socket, a metal sleeve slidably mounted on the end of the casing opposite to that in which the light bulb socket is positioned, a spring providing connecting means between the metal sleeve and end of a battery, a clip carried by the metal sleeve and extended beyond the end thereof to a point intermediate of the length of the casing, a metal band positioned on the casing spaced from the end of the metal sleeve and positioned to be engaged by the extended end of the said clip, an inner bar connected to the band by a rivet extended through the casing, a frame having an elongated slot therein positioned on the outer surface of the casing and with the intermediate part thereof spaced from the casing, a rivet connecting the frame to the said inner bar, a pair of terminals mounted in spaced relation in the casing and positioned under the slot of the frame, an inner bar connected to said pair of terminals through the casing and extended to the light bulb socket, and a button slidably mounted in the slot of the frame and positioned to engage one terminal of the said pair of terminals to complete a circuit through the light bulb and positioned in spaced relation to the other terminal of the said pair of terminals when moved to the opposite end of the slot, said button mounted to be depressed to engage the said other terminal to test a circuit, one terminal of which is in engagement with the band on the casing and the other with the clip of the slidably mounted metal sleeve with the said metal sleeve actuated to a position in which the end of the clip is spaced from the band.

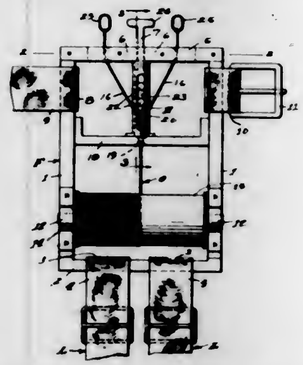
2,550,234
COMBINATION FLASHLIGHT AND CIRCUIT TESTER
James J. Duncan, Flint, Mich.
Application December 9, 1948, Serial No. 64,396
1 Claim. (Cl. 175—183)

In a combined flashlight and electrical testing appliance the combination with a metal casing and its inner insulating jacket and a light bulb socket mounted in one end of the casing, batteries positioned in the casing with a central terminal of one of the batteries positioned in the casing for engagement with the terminal of a light bulb in the socket, of a metallic housing divided into two compartments mounted on the casing and inner insulating jacket, a lamp circuit switch mounted in one compartment on said insulating jacket and having a movable contact therein, a conductor strip fixed to the light bulb socket and having a contact thereon extending into said last compartment for engagement with



the movable contact therein, a testing circuit switch in the second compartment fixed to the casing and having a movable contact therein, a second contact on said conductor strip extending into said second compartment for engagement with the movable contact therein, a testing cord connected to the second compartment, a second testing cord connected to said casing so that when said testing cords are applied to a circuit said light bulb will be energized upon movement of said movable circuit to indicate a closed circuit or remain deenergized to indicate an open circuit.

2,550,235
FIRE ESCAPE
Thomas P. Duncan, Jr., Newport News, Va.
Application September 29, 1947, Serial No. 776,719
5 Claims. (Cl. 227—32)

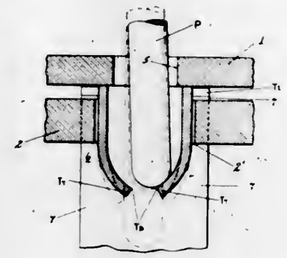


1. A fire escape comprising an open frame adapted to be attached to the body of a person, a drum carried thereby, a cable on the drum formed of a pair of separate strands disposed in side by side relation, a severable wrapping for holding a major length of said strands in such relation, means for attaching the free extremities of the strands to a support, and means movably mounted on said frame and operable by the person for severing the wrapping to allow descent.

2,550,236
DRILLING MUD
Paul W. Fischer, Long Beach, and Raymond A. Rogers, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 10, 1946, Serial No. 675,840
18 Claims. (Cl. 252—8.5)

1. An aqueous drilling fluid having improved water loss characteristics comprising water, a clay and a treating agent selected from the group consisting of the alkali metal and ammonium salts of oil soluble petroleum sulfonic acids in a minor proportion between about 0.6% and 10% sufficient to reduce the water loss to a value not greater than about 45 ml. in the first hour of filtration.

2,550,237
SOCKET CONTACT
Albert W. Franklin, New York, N. Y.
Application June 14, 1947, Serial No. 754,700
1 Claim. (Cl. 173—328)

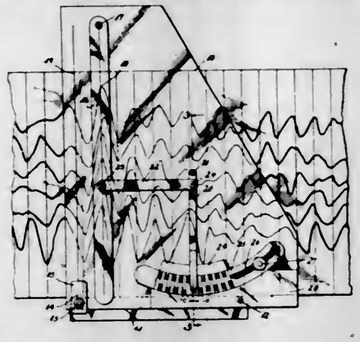


An electrical contact comprising a pin receiving portion of tubular form, a connection wing extending in parallel relation thereto, said tubular portion being open at one end and hemispherically shaped at the other end, and an integral portion interconnecting the tubular portion at its open end to one end of said contact wing, the hemispherically shaped end of the tubular portion having an open slot; said hemispherical end having a pair of lateral notches at one end of and arranged on opposite sides of said slot.

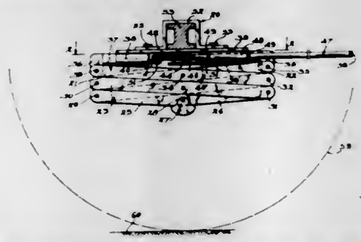
2,550,238
DEVICE FOR COMPARING TRACES ON SEISMIC RECORDS
John E. Gaede, Trochu, Alberta, Canada., assignor to Geophysical Service, Inc., Dallas, Tex., a corporation of Delaware
Application November 9, 1948, Serial No. 59,125
6 Claims. (Cl. 33—1)

1. A device for comparing traces on a seismic record that comprises a transparent flat plate adapted to be positioned upon a seismic record, guide means on the under surface of said plate for positioning said plate with respect to an edge of the seismic record, an elongated transparent member pivotally mounted on said plate so as to extend across said seismic record, said member being inscribed with a straight line extending lengthwise thereof, a link pivotally connected to said elongated member at a point removed from the point at which said member is connected to the plate, indicating means mounted on said plate and connected to said link so as to be moved

thereby and a scale on said plate cooperating with said indicating means to indicate the position of said indicating means relative to said plate.



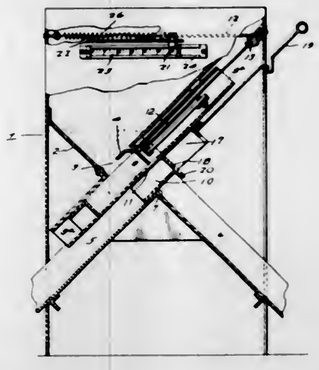
2,550,239
ATTACHED RAISING JACK FOR MOTOR VEHICLES
Edward Gassman, New York, N. Y.
Application February 12, 1948, Serial No. 7,827
2 Claims. (Cl. 354—86)



1. An automobile jack comprising, a base element, means for supporting said base element from a vehicle axle, slide members slidably carried in end to end relationship by said base element, a lazy-tongs component supported by the oppositely disposed ends of said slide members, a tread member carried by the lower end of said lazy-tongs component, a cam and cam follower mechanism carried by said base element and having operable means supported by said base element and operably engaging said cam mechanism for simultaneously extending and contracting said slide members and said lazy-tongs component.

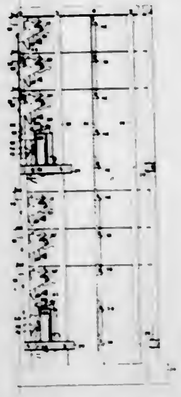
2,550,240
WEIGHING AND DISPENSING BIN
Ervin D. Geiger, Kankakee, Ill., and Forest Geiger, Churubusco, Ind.
Application September 28, 1945, Serial No. 619,220
4 Claims. (Cl. 222—361)

3. A measuring and dispensing device for comminuted material comprising a hopper provided with a discharge opening in the bottom thereof and adapted to be supportedly positioned within a bin and spaced above the bottom thereof, an inclined slideway open at its upper side positioned so that the open upper side is in communication with said discharge opening, a chute positioned below and in communication with said slideway, a measuring box open at its top and bottom slidably mounted in said slideway, a scale, means operatively connected to said measuring box for effecting the sliding movements of the latter, a pointer on said means and



movable along said scale, and handle means operatively connected to said measuring box for moving said box to any select position of its sliding movements.

2,550,241
CROSSBAR SWITCHING DEVICE
Kenneth W. Graybill, Elmhurst, and Hans Sengebusch, Villa Park, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 29, 1945, Serial No. 602,232
8 Claims. (Cl. 179—27.54)



1. In a switching device, an L-shaped heelpiece, a plurality of electromagnets mounted side by side on one branch of said L-shaped heelpiece so that their longitudinal axes lie in a common plane parallel to the other branch of said heelpiece, a plurality of armatures corresponding respectively to said electromagnets, means for pivotally mounting each of said armatures on said heelpiece adjacent the end of its corresponding electromagnet, whereby that armature is operated by the asociated electromagnet over a magnetic circuit including said heelpiece, and electrical contact springs individual to each armature operated by that armature.

2,550,242
MULTIPLE CONTACT, OR GANG, TYPE RELAY
Kenneth W. Graybill, Elmhurst, and Hans Sengebusch, Villa Park, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application June 29, 1945, Serial No. 602,232. Divided and this application March 10, 1948, Serial No. 13,963
3 Claims. (Cl. 200—104)



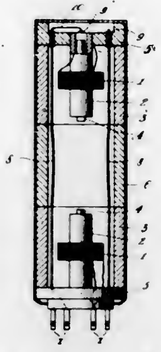
2. In a switching device, a support having mounted thereon a row of parallel contact springs each of which extends away from said support and terminates in a free end, each said spring being bent at a point between said support and said free end in such a way as to form two normally straight spring sections disposed at an acute angle to one another, a base carrying a row of conductors corresponding respectively to said contact springs, means for detachably securing said support to said base so that the free end of each said contact spring is positioned adjacent to its respectively corresponding one of said conductors, and means common to said springs operated to apply, at a point adjacent the bend in each spring, a force urging all of said springs concurrently into engagement with their respectively corresponding ones of said conductors.

2,550,243
PROCESS FOR THE BIOLOGICAL PRODUCTION OF CITRIC ACID
Evert H. Groot, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap: W. A. Scholten's Aardappelmeelfabrieken, Groningen, Netherlands, a corporation of the Netherlands
No Drawing. Application August 11, 1947, Serial No. 768,083. In the Netherlands October 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 2, 1965
5 Claims. (Cl. 195—36)

1. A process of producing citric acid, which comprises cultivating a mold of the Aspergillus group in a nutrient medium consisting of a sugar solution containing 14% of saccharose in addition to the inorganic salts required in a nutrient medium, to which nutrient medium an aqueous extract of red beets has been added in a proportion of about 0.50 liter of an extract of 1 part by weight of the tuberous root with about 2½ parts by weight of water, per liter of nutrient medium.

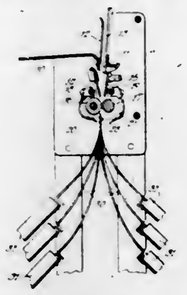
2,550,244
HIGH-FREQUENCY TRANSFORMER HAVING COAXIAL LEADS
Frederik Hendrik Gusdorf and Ewoud Adriaan van Ijzeren, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 13, 1946, Serial No. 683,562
In the Netherlands October 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 27, 1963
5 Claims. (Cl. 178—44)

1. A high-frequency coupling device comprising a tubular casing, a pair of inductors mounted within said casing at spaced longitudinal positions therein, connectors for said inductors mounted at one end of said casing, leads disposed within said casing and extending from said connectors to the respective terminals of said inductors, the leads extending from the inductor remote from said connectors being constituted by a first coaxial cable having an inner conductor surrounded by an outer conductor and separated therefrom by a dielectric substance,



said outer conductor of said first cable electrostatically shielding the inner conductor thereof from the inductor adjacent said connectors, said first cable having dimensions defining a capacitance to form a tuned circuit with said remotely disposed inductor, and a second coaxial cable longitudinally arranged within said casing, said second cable having two conductors connected at one end to the connectors for the inductor adjacent thereto and having dimensions defining a capacitance to form a resonant circuit with said adjacently disposed inductor.

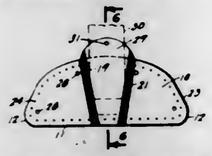
2,550,245
SHEET SORTING MECHANISM
Edwin G. Harrison, Glen Ellyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application December 8, 1945, Serial No. 633,623
3 Claims. (Cl. 209—72)



1. The combination with a pair of guide plates each having a narrow flat sorting finger thereon, said fingers being arranged side by side in parallel spaced relationship, each of said fingers gradually widening at a point spaced from the ends thereof to provide obliquely extending side edges on each thereof extending at an acute angle to each other, of pieces of sheet material each

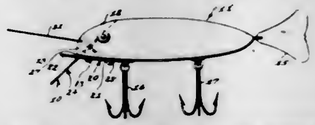
having an interruption in a marginal edge thereof to provide a pair of free edges extending inwardly from said marginal edge, and means for pressing the portions of a sheet on opposite sides of said interruption in opposed directions to cause the portion thereof on one side of said interruption to engage one face of one of said sorting fingers and that portion on the other side of said interruption the opposed face of the other of said fingers.

2,550,246
CORSET STAY SHIELD
Walter I. Hatch and Edna B. Hatch, Meridian, Calif.
Application June 27, 1949, Serial No. 101,572
3 Claims. (Cl. 2—257)



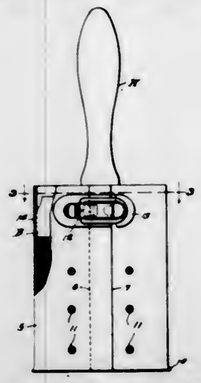
3. A corset stay shield comprising, a body member having an upper end and a lower end and formed of a relatively rigid material, and having a pocket formed in the upper end and extending to the lower end and having downwardly converging side walls, with the pocket being capable of receiving selectively the ends of corset stays of different widths, and having a width at the bottom equal to the narrowest stay to be used in the shield, and with the converging side walls permitting relative rocking movement of the stay in the pocket to conform to body movements, and said lower end being straight and formed at right angles to the vertical axis of the pocket to provide a support for the shield at the seam of a corset.

2,550,247
DIVING MOUTHPIECE
Harvey E. Higgins, Enfield, Ill.
Application June 2, 1950, Serial No. 165,624
4 Claims. (Cl. 43—42.47)



1. A diving mouthpiece for attachment to a lure body including a head having a mouth opening extending upwardly and rearwardly from the under surface thereof toward and terminating at a point spaced from the upper surface thereof, said mouthpiece comprising a first deflecting vane having an opening therein and having one end adapted to be secured in abutting relation with respect to the under surface of said head and having its other end projecting from and terminating at a point spaced forwardly of said head, and a second deflecting vane having one end adapted to be supported within said mouth opening and having its other end extending through the opening in said first deflecting vane and projecting beyond the latter and terminating at a point spaced below said head, the projecting ends of said deflecting vanes cooperating together upon movement of said lure body through a body of water to effect a periodic upward and downward movement of the lure body.

2,550,248
BRUSH HOLDER
Charles S. Helten, Largo, Fla.
Application March 1, 1948, Serial No. 12,399
1 Claim. (Cl. 206—15.1)



A holder for paint brushes comprising a single piece of spring metal material formed into a sleeve fully open at both ends and having an oblong cross sectional configuration, said sleeve having flat wide front and back portions parallel to each other to define a generally flattened brush-receiving space, the sleeve having transversely curved side walls integral with and connecting said front and back portion, said transversely curved side walls comprising U-shaped springs the force of which is exerted in a direction tending to open said springs and spread the front and back portions away from each other, said front portion being slit from end to end of the sleeve and the edges of said slit overlapping along an area extending longitudinally and centrally of the sleeve; and a tension clamp bridging the overlapping edges of said slit and comprising a pair of cooperating clamp members including a yoke and keeper, said yoke when engaged under the keeper increasing the area of overlap of said slit edges to reduce the cross sectional area of the sleeve and draw said transversely curved side walls against opposite sides of a paint brush inserted in said space, said side walls gripping a paint brush to hold said brush in an elevated position within said space.

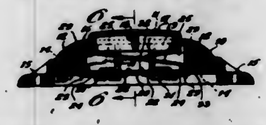
2,550,249
DRUM TUNING DEVICE
Delbert E. Hull, Watsonville, Calif.
Application November 2, 1948, Serial No. 57,289
1 Claim. (Cl. 84—411.1)



A drum comprising, a body portion, a head covering the upper end of the body portion with its peripheral portion disposed against the outer surface of the body portion, an annular ring of rectangular configuration in cross section disposed below the upper edge of the body portion of the drum and bearing against the peripheral portion of the head, an annular clamp of substantially S-shape in cross section resting on the upper edge of said rectangular ring with its upper portion

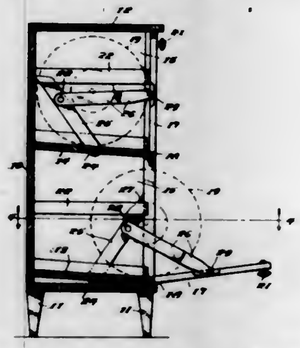
overlying the upper edge of the body portion of the drum and bearing on that portion of the head therebeneath, a plurality of cleats having grooves in their upper inner sides receiving portions of the S-shaped clamp and rectangular ring, means securing the cleats to the body portion of the drum at points below the aforesaid ring a tuning band disposed within the drum with its upper edge bearing against that portion of the head adjacent the inner surface of the drum, means securing the tuning band to the inner surface of the body portion of the drum for rotary and perpendicular movement therein, a gear engaging rack teeth on the tuning band, a shaft secured to the gear and extending through the body portion of the drum, and a knob on the outer end of the shaft.

2,550,250
ELECTRIC PUSHBUTTON
William Huppert, New York, N. Y.; Ruth E. W. Huppert executrix of said William Huppert, deceased
Application May 6, 1949, Serial No. 91,685
3 Claims. (Cl. 200—159)



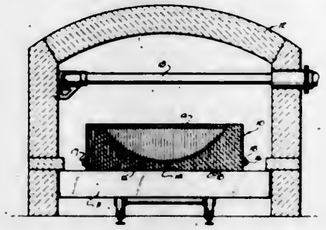
3. An electric push button comprising a hollow casing open at the bottom and having an opening through the top, a push button projecting through the top opening, a flat plate closing the bottom opening, said plate having oppositely faced extensions at its ends and openings intermediate its ends, a pair of contact members assembled with and mounted on said plate, each contact member having a spring finger portion, a terminal portion, and a connecting portion having an edge that abuts against an edge of the plate extension, the terminal portion having a lip that enters into the opening in the plate, and integral means on each contact member for anchoring the plate-contact members assembly to the casing.

2,550,251
RECORD CABINET
Clarence D. Hyatt, Louisville, Ky.
Application August 20, 1947, Serial No. 769,597
2 Claims. (Cl. 312—17)



1. In a record cabinet, a casing, legs for supporting said casing, a pair of spaced parallel inclined shelves arranged in said casing and defining compartments in the latter, a plurality of vertically disposed spaced parallel bars secured to the front of said casing and providing openings for said compartments, a door mounted for opening and closing movement with respect to each of said openings, said doors being constructed so that records are supported thereon when the doors are in opened position, and means for supporting said doors in their open position, said doors being inclined oppositely from said shelves when the doors are in open position.

2,550,252
GLASS BENDING MOLD
Joseph E. Jendrisak, Rossford, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 7, 1942, Serial No. 468,045
1 Claim. (Cl. 49—67)



A bending mold for bending glass sheets in a bending furnace, comprising a plurality of laminae of a homogeneous composition sheet material made up of asbestos fiber with an inorganic binder which have previously been heated to a temperature above the maximum temperature to be encountered in the bending furnace and then cooled to room temperature, secured together in face to face abutting relation with the edges of the laminae machined to a smooth, continuous and accurately curved bending surface.

2,550,253
PRESERVATION OF FOOD PRODUCTS
Lloyd B. Jensen, Chicago, and Walter R. Hess, Downers Grove, Ill., assignors, by mesne assignments, to Swift & Company, a corporation of Illinois
No Drawing. Application December 11, 1946, Serial No. 715,606. In Canada October 4, 1945
13 Claims. (Cl. 99—150)

13. In the process of treating food products subject to deterioration by food spoiling and food poisoning bacteria, the step of adding to the food product a small amount of an antibiotic consisting essentially of a non-toxic antibiotic material of a higher plant derived therefrom by treatment with a non-aqueous organic solvent whereby said antibiotic material is retained in the food product in sufficient amount to inhibit bacterial growth.

2,550,254
PROCESS FOR EXTRACTION OF ANTIBIOTIC MATERIAL
Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 5, 1946, Serial No. 659,881
5 Claims. (Cl. 167—65)

1. A process of preparing a powerful antibiotic substance which comprises comminuting

the fruit pit of the tree *Persea gratissima*, treating the said fruit pit with acetone at a temperature not substantially in excess of room temperature to form a non-aqueous solution of the antibiotic material, separating the solution from the insoluble residue, and reducing the solution to dryness by subjecting the said solution to distillation at a reduced pressure to obtain a powerful antibiotic substance.

2,550,255

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Original application April 5, 1946, Serial No. 659,881. Divided and this application November 18, 1950, Serial No. 196,519

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an antibiotic substance derived from the tree *Persea gratissima* by treatment with a non-aqueous organic solvent to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,256

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 10, 1949, Serial No. 92,494

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an antibiotic substance derived from a plant of the genus Krameria by treatment with a non-aqueous organic solvent to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,257

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, and William A. Miller, Evergreen Park, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 5, 1946, Serial No. 701,406

5 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the wood of the members of the genus Vitis to preserve said food products against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,258

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 24, 1948, Serial No. 67,240

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Grindelia squarrosa* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,259

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 20, 1949, Serial No. 100,291

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an antibiotic substance derived from the plant *Chondrodendron tomentosum* by treatment with a non-aqueous organic solvent to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,260

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, and William A. Miller, Evergreen Park, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 7, 1946, Serial No. 708,450

5 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the root of the vine *Celastrus scandens* to preserve said food products against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,261

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 10, 1948, Serial No. 59,409

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Maclura pomifera* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,262

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application February 23, 1949, Serial No. 78,017

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Agrimonia gryposepala* to preserve said food product against pathogenic bacterial responsible for food poisoning and spoilage.

2,550,263

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 11, 1948, Serial No. 64,909

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from Thuja to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,264

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 10, 1949, Serial No. 92,495

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an antibiotic substance derived from the plant *Petalostemum purpureum* by treatment with a non-aqueous organic solvent to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,265

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 27, 1948, Serial No. 67,558

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Geum vernum* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,266

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 11, 1948, Serial No. 64,910

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Hypericum perforatum* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,267

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen, Chicago, Ill., and William A. Miller, Manhattan, Kans., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 10, 1948, Serial No. 59,410

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an alcoholic solution of antibiotic substance derived from the plant *Cetraria islandica* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,268

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen and Joseph E. Sherman, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 8, 1948, Serial No. 64,252

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of alcoholic solution of antibiotic substance derived from the tree *Juglans cinerea* to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

2,550,269

PRESERVATION OF FOOD PRODUCTS

Lloyd B. Jensen and Joseph E. Sherman, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 20, 1949, Serial No. 100,292

6 Claims. (Cl. 99—150)

1. In the process of treating food products, the step of adding to a food product a small amount of an antibiotic substance derived from the plant *Alpinia officinarum* by treatment with a non-aqueous organic solvent to preserve said food product against pathogenic bacteria responsible for food poisoning and spoilage.

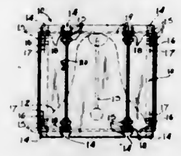
2,550,270

NOISEMAKER BUILDING BLOCK

George Jentzen, North Bergen, N. J.

Substituted for abandoned application Serial No. 496,386, July 28, 1943. This application July 7, 1945, Serial No. 603,699

2 Claims. (Cl. 46—24)



1. A hollow toy building block having an open side with a noise-maker in said block, cords tied around said block and engaging the ends of said noise-maker holding it in position in said block, said block being formed with slots in its side walls through which said cords pass, and means for holding said cords in various adjusted positions in said slots, comprising pins having their pointed ends extended into the material of the side walls of said block at the base of said slots, said slots being formed with aligned cutouts on opposite sides thereof, and heads formed on said pins and against which said cords engage and selectively engageable with said cutouts for holding said pins in adjusted positions in said slots.

2,550,271

FISHING LINE REEL

John T. Kagel, Sr., Jamaica, N. Y.

Application July 2, 1948, Serial No. 36,742

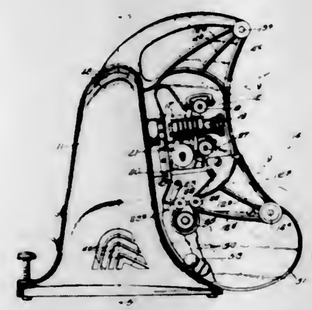
1 Claim. (Cl. 242—84.6)



A spinning type fishing line reel comprising a support mountable on a fishing rod and includ-

ing a spool receiving shaft and a movably mounted resilient finger, a spool having a concentric shaft receiving bore rotatably mounted on said shaft, and shaft carried means releasably securing said spool on said shaft, said spool comprising a cylindrical intermediate portion, a front end flange including a conical surface tapering from the periphery of said flange to the adjacent end of said intermediate portion, a winding handle secured to and extending outwardly from the outer face of said front end flange, and a rear end flange at the rear end of said intermediate portion having in its rear face a circular concentric groove with angularly spaced apart clicker teeth therein cooperating with said resilient finger to provide a clicker for said reel and with a beveled, circular surface cooperating with said resilient finger to provide a friction drag for said reel.

2,550,272
FILM PROJECTOR
Philip L. Karr, Chicago, Ill., assignor to Illinois Watch Case Co., a corporation of Illinois
Application May 29, 1948, Serial No. 30,020
16 Claims. (Cl. 88—24)



1. In a motion picture film projector having drive and illuminating apparatus for said film, a projector body of the character described, including: a first body member; a second body member; and apparatus for removably joining said members together to form a housing, one of said members having a portion projecting forwardly of said housing, and said drive and illuminating apparatus all being mounted on a portion of said body and at least one of said body members having an integral base portion for supporting said projector body upon a surface.

2,550,273
SHUTTLE TIP
Alexander C. Krukonis, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 30, 1948, Serial No. 68,192
7 Claims. (Cl. 139—196)



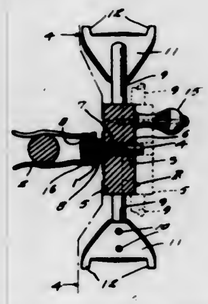
1. In a loom shuttle having a body, a shuttle tip member having a head, and two coacting members holding the head in position on the shuttle body, one of said members being a shank on the head extending longitudinally into the shuttle body and having a transverse V-notch formed therein, and the other member extending transversely of the shank member and having a tapered part engaging the part of the shank member on the side of said V-notch adjacent to the end of said shank opposite to the head and effective when moved in the direction of the taper thereof transversely of the shank member along said side of the V-notch to draw the shank into the shuttle body.

2,550,274
GRAB IRON OR LADDER RUNG
Otto A. Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 16, 1946, Serial No. 684,043
3 Claims. (Cl. 228—58)



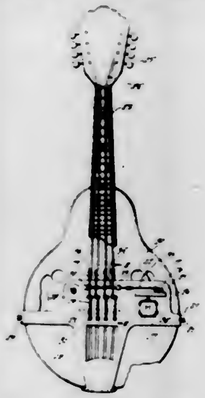
1. A ladder rung, grab iron or the like having a central metallic portion partially elliptical in cross section, grooves running longitudinally of the central portion, and non-metallic members engaged in said grooves and enveloping a portion of the central metallic portion to complete said elliptical cross-section, said non-metallic members being of generall U shape with inwardly extending flanges adapted to be engaged in said grooves.

2,550,275
FISHING LINE DRIER
Elmer A. Leiding, William J. Nelson, and Stanley Ratka, Orr, Minn.
Application December 3, 1945, Serial No. 632,482
5 Claims. (Cl. 242—104)



1. A line drier comprising a support, an axle carried by the support, a reel including a hub having an axial bore through which said axle extends, the axle having a head at its outer end of a diameter to enter said bore, a bearing sleeve secured within said bore and extending from the end thereof nearest to the support through a portion of the length of the bore whereby the reel may be shifted axially outwardly from the support on the axle, such outward movement being limited by the engagement of the axle head with the outer end of the bearing sleeve.

2,550,276
ELECTRIC PICKING DEVICE FOR STRINGED INSTRUMENTS
Joseph Lenz, Reprora, Calif.
Application February 3, 1950, Serial No. 142,324
1 Claim. (Cl. 84—321)

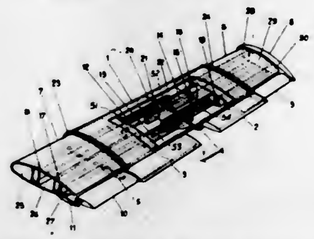


An operating mechanism for effecting the plucking of strings of a stringed instrument comprising a base, plucking devices mounted for movement on said base, an electric motor, a slide engaging with the plucking devices to cause their plucking movement and mechanism extending between the motor and the slide to constantly drive the slide and in a reciprocating manner, and means on each of the plucking devices for controlling their engagement with the strings of the instrument, and each of said plucking devices comprising an arm having an enlargement thereon, a plucking member in the enlargement, and means for securing the plucking member in an adjusted position within the enlargement, an operating lever, said arm having an extension engaging with the operating lever whereby the plucking member can be positioned for engagement with the strings of the instrument.

2,550,277
COLD HOLDOVER ELEMENT
Yves Lhermitte and Raoul Besson, Bobigny, France, assignors to Societe Anonyme dite: Glaces et Cremes Glacees Ch. Gervais, Bobigny, France
No Drawing. Application July 31, 1946, Serial No. 687,522. In France April 5, 1946
4 Claims. (Cl. 62—1)

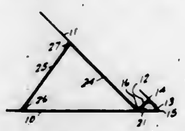
1. A constantly dry cold-accumulating element for packing means for use in the storage of perishable goods comprising a rigid non-deformable material possessing a cellular structure including substantially closed cells interconnected by capillary ducts and substantially completely filled with a cryohydric eutectic salt solution, said cells having been preliminarily subjected to a prolonged vacuum until the air is substantially expelled therefrom, said solution being frozen whereby said element is adapted to yield up the cold stored therein upon liquefaction of said solution at the constant temperature of its eutectic point, and whereby the liquid resulting from said liquefaction remains permanently entrapped in said closed cells, and whereby the dry element can be refrozen for reuse.

2,550,278
VARIABLE SURFACE WINGS AND TAIL FINS IN FLYING MACHINES
Jean Makhonine, Paris, France
Application July 16, 1947, Serial No. 761,341
In France January 17, 1946
5 Claims. (Cl. 244—43)



1. In a flying machine a variable lifting surface constituted by a fixed central surface portion and two corresponding movable end surface portions, the latter being adapted to be telescoped into said fixed portion, longitudinal spars adapted to support the external surfaces of said two movable portions, each spar of one of the said two movable portions being offset relatively to the corresponding spar of the other, whereby the spars of one of the said two movable portions are fully inserted in between the corresponding adjacent ones of the other portion when these two movable portions are in their full telescoped position, abutment means provided on said fixed portion and movable portions for limiting telescopic displacements of the two movable portions in the fixed portion, means for guiding and longitudinally displacing said spars, and means for controlling longitudinal displacements of said spars from a central control station of the machine.

2,550,279
FOLDING EASEL
John W. Mamer, Berkeley, Calif.
Application May 10, 1949, Serial No. 92,269
3 Claims. (Cl. 45—80)



1. A folding book type easel comprising, a first cover member, a first back member, a second back member, and a second cover member all hinged together in series and formed of relatively rigid sheet material, a support member having one edge hinged adjacent the free end of the second cover member, and movement limiting means cooperating between the second cover member and the free end of the support member for limiting the angular rise of said support member, and locating means on said second cover member for cooperating with and maintaining the hinge connection point between the first cover member and first back member in predetermined position when the back members are moved over the second cover member with said first back member forming a ledge and said second back member forming a support therefor, and said support member providing support for the first cover member in inclined position to form the easel, said locating

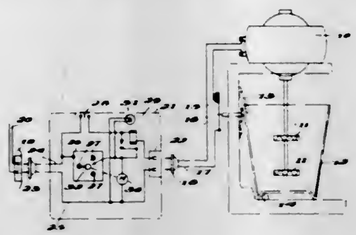
means comprising a strip of material extending parallel to the back members and located with its cooperative edge at a distance of substantially 1.4 times the width of said first back member to adjust the back members to angles of approximately 45 degrees to the surface of the second cover member, to form said ledge and said support therefor, and fixed to said second cover member, and said first cover member being supported at the same angle by said support to form the ledge at right angles to the easel formed by the first cover member.

2,550,280
SEMIAUTOMATIC RIFLE
Edgar D. Martin and George E. Martin, Corning, Ohio
Application April 30, 1948, Serial No. 24,304
6 Claims. (Cl. 89—139)



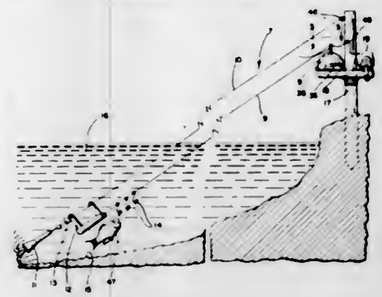
2. In a firearm of the character described, a receiver, a hammer member slidably mounted in said receiver, means biasing said hammer member forwardly, a forwardly-facing shoulder carried on said hammer member, a sear block pivotally secured to said receiver, and a sear plate slidably and pivotally secured to said sear block and engageable with said shoulder.

2,550,281
APPLIANCE TIMING CONTROLLER
Philip Martin, North Hollywood, Calif.
Application September 29, 1948, Serial No. 51,691
9 Claims. (Cl. 161—1)



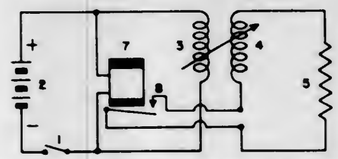
1. A timing controller for an appliance having an electrically operated element and power leads therefor, said controller comprising circuits connectible between the power outlet and the power leads of the appliance, said circuits comprising a starter-circuit, means for closing said starter-circuit to the appliance power leads, a timer-motor, means responsive to flow of current in said starter-circuit to said appliance leads for energizing said timer-motor from said starter-circuit, a timer-switch controlled by said timer-motor, a feeding circuit controlled by said timer-switch for energizing said timer-motor and for feeding said appliance leads after opening of said starter-circuit closing means so long as the circuit to said appliance is maintained.

2,550,282
FISHING TROLLEY LINE SIGNAL AND WEIGHT INDICATOR
Theodore E. McAvoy, Chicago, Ill.
Application May 25, 1948, Serial No. 29,044
4 Claims. (Cl. 43—17)



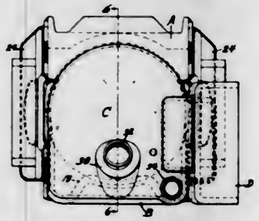
2. In trolley line fishing means including fishing line means, a fish signal and weight indicator means comprising, a signal and weight indicator housing having a weight calibrated dial, a weight indicating pointer rotatably mounted to oper e associatively with the said calibrated dial, b crank means mounted in the said signal and weight indicator housing and provided with a stop portion at one end thereof, gearing means interconnecting the said bell-crank means to the said weight indicating pointer, audible signal means mounted on the said signal and weight indicator housing, a weight indicating pointer mounting pin rotatably mounted in the said signal and weight indicator housing, a hammer mounting collar mounted on the said weight indicating pointer mounting pin and provided with a hammer mounting lug, and a hammer element mounted on the said hammer mounting lug and provided with a bent stop portion resting against the said weight indicating pointer mounting pin, the said weight indicating pointer causing the said hammer to rotate freely by virtue of the momentum imparted thereto by the initial movement of the said weight indicating pointer mounting pin to effectuate an audible signal when contacting the said audible signal means, and adjusting means for setting the said weight indicating pointer mounted within the said signal and weight indicator housing and connected to the stop portion of the said bell-crank means.

2,550,283
INDUCTION COIL
Hugh Boyd McGlade, Columbus, Ohio
Application December 20, 1947, Serial No. 793,019
2 Claims. (Cl. 321—8)



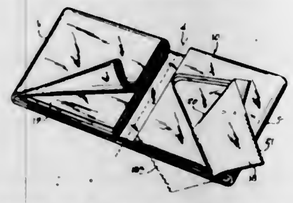
1. An induction coil comprising a primary coil, a primary switch, and a secondary coil, in combination with a direct current relay comprising a relay coil, and a normally open relay switch; said primary switch being connected in series with said primary coil, said relay coil being connected in parallel with said primary coil, and said relay switch being connected in series with said secondary coil; said relay switch subsequently closing on the closing of said primary switch, and said relay switch subsequently opening on the opening of said primary switch, the secondary coil thus being open to prevent induction on the closing of said primary switch but closed to permit induction on the opening of said primary switch.

2,550,284
WELDED JOURNAL BOX
John Mikulak, Nescopeck, John A. Sober, Bloomsburg, and Edwin B. Sult, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 17, 1947, Serial No. 792,276
11 Claims. (Cl. 308—39)



1. A journal box comprising a drop forged load transmitting roof section, a pressed metal oil well section welded thereto, and a pan shaped closure member having the flanged rim thereof welded to said roof section and oil well section to reenforce the same and form the outer closure completely closing the outer end of the journal box.

2,550,285
PACKAGED PIECE GOODS
Irving J. Mishkin, New York, N. Y., assignor to The Lamport Company, Inc., New York, N. Y.
Application January 6, 1949, Serial No. 69,470
4 Claims. (Cl. 206—46)



4. A package for a folded piece of textile material having a single ply corner portion extending laterally from between the folds at one side thereof, comprising an envelope enclosing the folded piece of textile material and having a mouth opening along one side thereof, the folded piece of material being positioned in said envelope with its corner portion at the mouth opening, said envelope at said mouth opening having adjacent parallel co-extensive edge portions beyond the free edges of which the corner portion of the folded piece of material projects when the folded piece of textile material is positioned completely in said envelope, said edge portions being folded over onto one side of the main portion of the envelope for closing said mouth opening with the extremity of said corner portion projecting beyond the free edges of said edge portions, and means securing said edge portions to one another and to the said one side of said envelope, said securing means comprising spots of adhesive between the adjacent faces of said edge portions at the sides of said corner portion and between the said one side of said envelope and the adjacent edge portion.

2,550,286
CIGARETTE HOLDER
Lewis M. Morton, Dallas, Tex.
Application July 19, 1946, Serial No. 685,005
3 Claims. (Cl. 131—194)



1. A cigarette holder comprising an elongated body formed with an elongated chamber therein, said body being formed with an opening leading into at least one side of said chamber, said body being formed at one end with a cavity to receive an end of a cigarette, a bit at the opposite end of said body formed with a bore therethrough, an elongated bellows confined in said chamber and exposed through said opening for manual compression, said bellows having a valved air inlet, an air passage formed in said body and providing communication between said bellows and said cavity, a longitudinal smoke passage formed in said body at one side of and out of communication with said chamber, one end of said smoke passage opening into the bore of said bit and the other end of said smoke passage opening into said cavity, and valve means comprising an element reciprocally mounted in said air passage normally occupying an air passage closing position wherein said bellows is out of communication with said cavity, said element being displaceable by air discharged by said bellows upon compression of said bellows to another position in which said element closes said other end of said smoke passage while opening said air passage whereby air discharged by said bellows passes into said cavity.

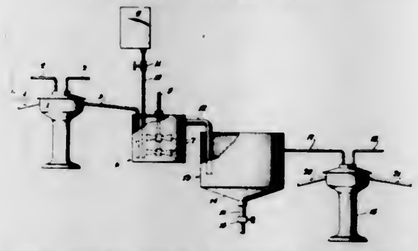
2,550,287
SHUTTLE REPLENISHING MECHANISM
Ivano Mulatti and Luigi Cremonini, Milan, Italy
Application December 11, 1948, Serial No. 64,866
In Italy December 15, 1947
13 Claims. (Cl. 139—243)



1. In a weaving loom having a shuttle for carrying a weft and a slay providing a path for said shuttle, a cop-changing mechanism comprising a magazine and a guideway to receive and position filled cops, a plunger disposed adjacent one end of the slay and movable relative thereto, said plunger being adapted when moved toward said slay to expel one of the filled cops from said magazine into the shuttle, a radius rod mounted on a fixed pivot, weft-detecting means pivoted on said radius rod and adapted to cause movement thereof when said means is reciprocated, a

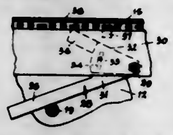
hook adapted to engage said weft-detecting means, said means being so arranged with respect to the weft that it is caused to move out of engagement with the hook to prevent reciprocatory movement thereof when there is a weft in the loom, means for reciprocating said hook, means for moving said plunger toward said slay, and means actuated by movement of said radius rod to prepare said plunger moving means for actuation, whereby a filled cop is expelled from said magazine and into said shuttle when the cop in the shuttle becomes exhausted.

2,550,288
CLARIFYING BUTTERFAT
Charles E. North, Montclair, N. J.
Application October 9, 1946, Serial No. 702,113
11 Claims. (Cl. 99—119)



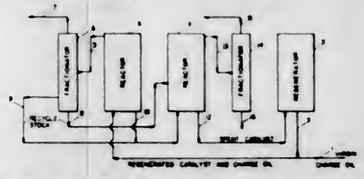
1. The process which comprises comingling a stream of turbid liquid butter fat containing about 99 per cent fat with a stream of aqueous acid, and while maintaining the fat in a molten condition and said aqueous acid at a concentration of at least about 0.5 per cent but insufficiently great to effect deterioration of said fat, conducting said comingled streams into a mixing zone, intimately admixing and contacting the liquid fat and aqueous acid in said zone, withdrawing the admixture of liquid fat and aqueous acid from said zone, then separating by gravity settling the liquid fat in said withdrawn admixture from the aqueous acid, and washing the separated liquid fat with water.

2,550,289
EDGE FINISHING MACHINE
Edward C. Oberstar, Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 9, 1948, Serial No. 48,363
2 Claims. (Cl. 51—74)



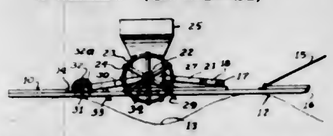
1. The combination with apparatus for treating the edges of plates or sheets including means for supporting a sheet on edge for travel along a predetermined path, means for moving said sheet along the supporting means, an edge treating tool mounted adjacent and in alignment with said supporting means for movement into and out of the path of travel of said sheet, and means associated with the tool mounting means for normally urging said tool into the path of the sheet; of means for moving the tool relative to the path of the sheet and into position to treat an edge of said sheet comprising a lever having divergent arms, means for mounting said lever with one of said arms in position to engage the mounting means for the tool and the other arm adjacent the path of the sheet moving means, and means carried by the sheet moving means and engageable with said other arm of said lever to move the tool when the sheet reaches a predetermined position.

2,550,290
CATALYTIC CRACKING OF HYDROCARBONS
Harry Louis Peizer, Steger, Ill., and Kenneth Merle Watson, Madison, Wis., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 27, 1947, Serial No. 757,651
2 Claims. (Cl. 196—52)



1. In a process for the catalytic cracking of hydrocarbons wherein the hydrocarbons are passed in contact with a cracking catalyst in a conversion chamber and the effluent vapors therefrom are fractionated to form an insufficiently cracked fraction heavier than the desired fraction and which is subjected to further cracking, the steps of separating the insufficiently cracked fraction into a heavier and a lighter fraction, introducing the lighter fraction into one end of a separate elongated conversion chamber, passing it therethrough in contact with hot catalyst discarded from the primary conversion chamber, introducing the heavier fraction into the separate conversion chamber at an intermediate zone into contact with said hot catalyst and withdrawing cracked vapors from the opposite end of the separate conversion chamber.

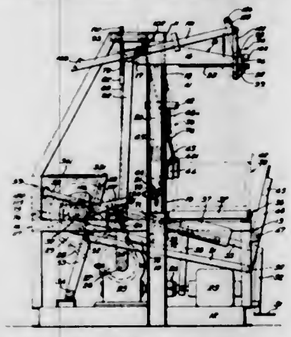
2,550,291
COTTON SEED PLANTER
Henry V. Phelps, Nitta Yuma, Miss.
Application November 25, 1946, Serial No. 712,100
2 Claims. (Cl. 111—24)



1. In check planting a field having a series of parallel rows and furrows formed in the earth, a seed depositing machine comprising a relatively long sled carriage designed to be drawn transversely of the rows and having a length to extend at all times across and rest upon at least two rows, vertically swingable members supported upon the carriage for swinging movement on an axis extending transversely of the carriage, a horizontal transversely extending shaft rotatably supported by said vertically swingable members, a rotary ground engaging element secured to the shaft to extend to a predetermined position below the carriage for contact with the tops of the rows over which the carriage is drawn, adjustable means between the carriage and said vertically swingable members for adjustably

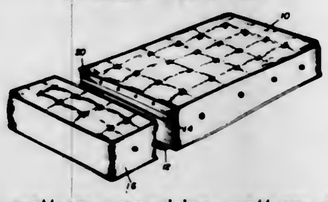
maintaining said rotary element free of contact with the earth in passing over the said furrows, seed hoppers supported by the carriage at opposite ends of the shaft, and seed feeding means connected with and rotated by the shaft to discharge seeds downwardly from the hopper onto the ground.

2,550,292
PRODUCE BOX LIDDER
Leland H. Platt, Leland H. Platt, Jr., and John Dee Platt, Los Angeles, Calif.
Application April 9, 1948, Serial No. 19,908
13 Claims. (Cl. 100—57)



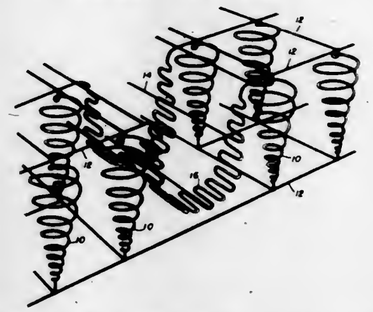
1. A machine for lidding a crown-packed wire-bound flexible wall box having a cover carrying end portions adapted to close down at the outsides of the box ends, comprising mechanism for pressing a cover on the box and including a box support, a cover pressing head overlying the support, and means producing relative vertical movement of the support and head to and from cover applying position, ejecting means operating in timed relation with said mechanism for ejecting a lidded box from said support, a member movable into the box ejection path to a position engaging a vertical end wall of the box at its transverse central portion to resist bulging thereof during pressural application of the cover to the box, and actuating means operating in timed relation with said mechanism to move said member to said position in advance of relative movement of the head and support to the limit of the cover-applying travel and before application by the head to the box contents of pressure that would otherwise bulge the box end beyond said end portion of the cover, said actuating means thereafter operating to remove said member from said path in advance of the box ejection by said ejecting means.

2,550,293
MATTRESS
John Platis, Corpus Christi, Tex.
Application April 24, 1947, Serial No. 743,494
3 Claims. (Cl. 5—91)



1. A mattress comprising mattress sections, slots in opposite ends of said sections, resilient clip inserts disposed within said sections and extending longitudinally within said slots, means for connecting slots in adjacent sections including a strip of material having rods extending along opposite edges thereof said rods being detachably disposed in said clip inserts.

2,550,294
BEDSPRING
John Platis, Corpus Christi, Tex.
Application June 18, 1947, Serial No. 755,353
7 Claims. (Cl. 5—246)



4. An insert for bed springs comprising a substantially U-shaped resilient web adapted to be interposed between selected bed springs, said web comprising a plurality of resilient members and means for joining the terminal portions thereof, said joining means comprising a plurality of substantially parallel rods, and said web depending substantially below the upper level of the bed springs to form a cradle to receive a mattress connecting means.

2,550,295
ADJUSTABLE HANDLE FOR CURLING, WAVING, AND PRESSING IRONS
Fannie Price, New York, N. Y.
Application September 18, 1946, Serial No. 697,725
5 Claims. (Cl. 132—37)



1. A curling iron comprising parts pivoted together in scissors-like fashion and having hub portions at their respective rearward ends, handle sleeves journaled on the hub portions, and complementary ratchet teeth on the contacting surfaces of the handle sleeves and the hub portions.

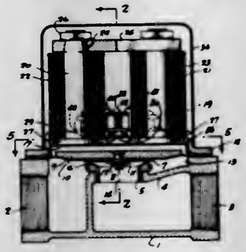
2,550,296
GAS BURNER, INCLUDING INTERNAL FUEL DISTRIBUTOR
James L. Raulston, South Pittsburg, Tenn.
Application February 25, 1947, Serial No. 730,812
1 Claim. (Cl. 158—114)



A burner comprising an elongated hollow manifold having a bottom and a substantially flat

top with downwardly sloping side walls and ends, said side walls being substantially uniformly spaced throughout their length whereby the cross sectional area defined by said side walls and bottom is substantially uniform throughout the length of the manifold, a first row of bosses located on said top adjacent one downwardly sloping side wall, a second row of bosses on said top adjacent the other downwardly sloping side wall, each boss of the second row being opposite the corresponding boss on the first row, a third row of bosses located on said top intermediate the first and second rows with each boss of the third row in staggered relation to the bosses of the first and second rows, each of said bosses having a port extending therethrough and through said top and providing communication with the manifold, a first elongated baffle within said manifold having one edge abutting one side of said manifold and secured thereto and having its opposite edge extending towards the other side, a second elongated baffle within said manifold having one edge abutting the other side of the manifold and secured thereto and its other edge extending towards said one side, said baffles extending substantially the full length of said manifold and defining a fuel slot therebetween, said baffles being notched adjacent their ends forming enlarged openings for the passage of fuel, and said manifold having a fuel inlet below said baffles.

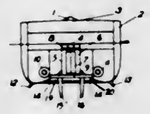
2,550,297
ELECTROMAGNETICALLY OPERATED VALVE
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application September 4, 1944, Serial No. 552,647
7 Claims. (Cl. 137—139)



1. In combination: a magnetic core having a pair of adjacent legs; energizing means for the core; a pair of pole pieces respectively attached to the legs and having polar areas much greater than the cross sectional areas of the legs; a main movable armature attracted by the poles; and a lightweight auxiliary armature co-operating with that side of the pole pieces which is away from the polar areas, said auxiliary armature having a much smaller cross-section than the main armature, said energizing means being initially insufficient to attract the main armature, but sufficient to attract the auxiliary armature; and means operating while the auxiliary armature is in attracted position to increase the energization of the core to cause said core to attract said main armature; said main armature serving to shunt the auxiliary armature flux for causing said auxiliary armature to return to unattracted position.

6. In a fluid flow control valve: a valve body having a ported partition with an inlet side and an outlet side; said body having an opening above the port; said port having an edge defining a valve seat; a closure structure adapted to rest on the valve seat and including an armature made from magnetic material disposed adjacent the body opening, said opening and the armature being substantially larger than the port; and electromagnetic means for attracting said armature to open the valve, comprising: means forming a pair of polar areas opposing that armature surface which faces away from the seat, said polar areas extending over the said armature surface and substantially parallel with said surface when the armature is unattracted, to form an air gap the length of which is not more than one-tenth of the longest dimension of said armature surface; said armature assuming an unattracted position adjacent the seat and an attracted position adjacent the polar areas; said polar areas extending over substantially the entire armature surface; magnetic elements completing the magnetic circuit through the armature and the polar areas, and through which the magnetic flux passes; and a coil surrounding a part of said magnetic circuit, said part having a substantially uniform cross-sectional area that is very much less than the area of either polar area.

2,550,298
STABLE MARINE VESSEL
Frederick B. Romero, Washington, D. C.
Application January 29, 1946, Serial No. 643,981
6 Claims. (Cl. 114—61)

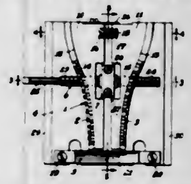


1. A vessel adapted to ride steadily in a heavy sea having a hull, said hull including sides and a bottom joining along a turn at the bilge at each side, the bottom formed to provide a plurality of keels and channels all extending longitudinally thereof, one of said keels lying along the longitudinal center line of the hull and extending from the bow to a point approximately half way to amidships and there terminating in a channel, said channel extending to the stern of the vessel and of a depth to extend up to the designed load water line, a pair of keels lying directly along each side of said channel and extending throughout the length thereof, a second pair of keels lying along the turn at the bilges also extending along the length of said central channel, and channels V-shaped in cross section along each side of the bottom each of the last mentioned channels lying between a keel at the bilge and a keel at the side of the central channel.

2,550,299
DIE CUTTER
Louis Sabo, Astoria, N. Y., assignor to Del-Sab Corporation, New York, N. Y., a corporation of New York
Application October 5, 1946, Serial No. 701,532
9 Claims. (Cl. 164—31)

6. A cutting die for trimming heel breast flaps to predetermined shape and size comprising a supporting member adapted to be attached to a plunger or the like for operating the die, said member having a recessed portion provided with a pair of inwardly and downwardly inclined edges, a flat base having a pair of upwardly and

outwardly inclined edges removably slidably engaging with the edges of the supporting plate and adjustably maintained in position with respect thereto, an end cutter having a straight cutting edge extending along the inner side thereof, a mounting block centrally positioned on the bottom surface of said base, bearing means in said mounting block, a screw member journalled in said bearing means, said screw member extending through said journalling means and having a right hand thread on one extension and having a left hand thread on the other extension thereof, a pair of cutter blades having edges formed



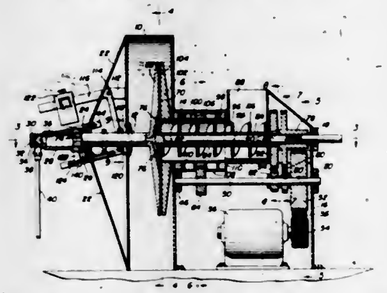
to the shape of the side edge of the desired heel breast flap, said blades being disposed on opposite sides of said mounting block, said blades having screw thread means in the body thereof adapted to engage with the screw threads of said screw member, said blades being slidably mounted on said plate by said screw member, said side cutter blades being positioned at an angle with respect to said end cutter blade and abutting against the inner side thereof, and indicating means including a pointer connected for operating movement with one of said side cutter blades and an indicating scale on said base to indicate the respective positions thereof.

2,550,300
WINDOW GLASS MOUNTING
Joseph Schunk, Union, N. J., assignor to The National Lock Washer Company, Newark, N. J.
Application October 25, 1945, Serial No. 624,395
2 Claims. (Cl. 20—56.4)



1. A window panel mounting comprising a frame having a backing portion and a shelf extending therefrom, a backing member of resilient material carried by the shelf with means for holding it on the shelf, the backing member having one side engaging said backing portion of the frame while the other side engages one side of a panel and a seat portion to receive the edge of the panel, the frame having a trough formed by two spaced walls joined by a bottom member, one wall extending in an outwardly slanting direction away from the panel seat and joining the bottom of the trough on a line beyond the plane of the pane or panel while the other wall extends in the same general direction as said backing portion of the frame and terminates in a ledge, a glazing strip of resilient material having a concave inner surface and a convex outer surface from end to end, one end terminating at the bottom of the trough adjacent the end of said slanting surface while the other end is adapted to engage the panel to hold it against said backing member, the strip having a groove in the convex surface to receive said ledge for holding the strip in operative position.

2,550,301
DISK GRINDER AND MIXER
Elmer S. Scott, Dallas, Tex.
Application July 6, 1948, Serial No. 37,213
3 Claims. (Cl. 241—34)



1. In a feed grinder and mixer, a shaft mounted to rotate about a horizontal axis and to move longitudinally along said axis, a grinding head intermediate the ends of and rotatable with the shaft, said head having diverging passages therethrough, a tubular material conduit mounted to rotate in spaced concentric relation about the shaft between one end thereof and the grinding head, a second grinding head mounted on the tubular conduit adjacent the first mentioned grinding head, said shaft having an axial passage entering the end thereof remote from the tubular conduit and opening into said divergent passages for distributing liquid between the grinding heads common drive means to drive both the shaft and the conduit in opposite directions, yieldable means engaging the shaft to advance the grinding head carried by said shaft toward the grinding head carried by the conduit, and valve means carried by the last named end of said shaft and operated by the yielding means to increase and decrease the volume of liquid admitted to said axial passage in accordance with increase and decrease in the volume of material fed to the grinding heads for being ground and mixed.

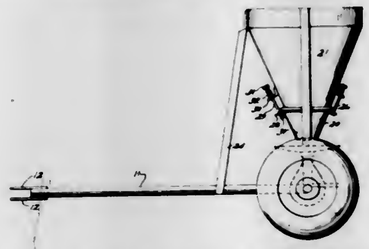
2,550,302
SLIDING AND ROTATING ATTACHED CLOSURE FOR TOOTH PASTE TUBES
Frank G. Seibel, Claremont, Calif.
Application December 9, 1947, Serial No. 790,447
2 Claims. (Cl. 222—92)



1. A closing device for toothpaste tubes comprising a tubular boss formed on the closed end thereof having a peripheral discharge hole; a closing plug axially and rotatably operative therein, inverted L-shaped grooves positioned diametrically opposite formed on the periphery of said plug, and a diametrically extending notch cut in the inner face thereof; and inwardly extending retaining bosses formed on the inner faces of the walls of said tubular boss, adapted to operatively engage in said L-shaped plug grooves, and positioned to retain said plug in fully inserted closed position by partial rotation of said plug in said boss, and to guide said plug when it is withdrawn so that said plug notch is

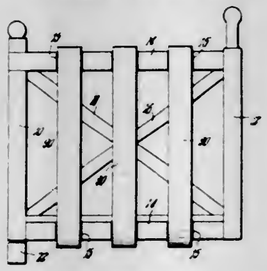
maintained with an end in registering alignment with said discharge hole, and to limit outward axial movement of said plug when said notch is fully in register with said discharge opening.

2,550,303
DISPENSING HOPPER FOR DISTRIBUTING MACHINES
Tom B. Simpson, McAllen, Tex.
Application October 1, 1946, Serial No. 700,570
3 Claims. (Cl. 222—176)



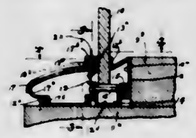
1. A machine for spreading finely divided material, comprising a wheeled frame, a conically tapered truncated hopper mounted upon the wheeled frame and provided near its bottom end with a side discharge opening, a conically tapered truncated valve closed at the bottom and slidably engaging over the bottom end of the hopper and having a side opening for registry with the side opening of the hopper, an annular radial flange secured to the top end of the valve, an annular ring disposed beneath the radial flange for supporting the valve, ears secured to the ring, rods connected with the ears and extending above the same, bracket means connecting the rods and hopper for supporting the rods, a member mounted upon the ring, and an adjustable device secured to the valve and engaging the member to lock the valve against turning.

2,550,304
GATE AND DISPLAY DEVICE
Martha L. Smith, Great Barrington, Mass.
Application October 16, 1948, Serial No. 54,860
1 Claim. (Cl. 40—60)



A gate construction comprising in combination, a support, an elongated stationary shaft extending upwardly vertically from said support, spaced vertically disposed pivot and outer posts connected together by upper and lower cross members forming a gate, said pivot post swingable on said shaft, drive shaft means in said lower cross member, driving connections between said stationary shaft and drive shaft means arranged whereby the latter is rotated as the gate is swung relative to said stationary shaft, drive rolls fixed in spaced relation on said drive shaft having peripheral portions extending below said lower cross rail, idler rolls above said drive rolls one for each drive roll rotatable relative to said upper cross member having peripheral portions disposed above said member, and endless bands around and in engagement with said drive and idler rolls whereby said bands are disposed in spaced relation between said pivot and outer posts.

2,550,305
MOUNTING AND DECORATIVE MEANS FOR PANELS, PANES, AND THE LIKE
Lorne C. Smith, Chicago, Ill.
Application April 26, 1947, Serial No. 744,259
7 Claims. (Cl. 20—56.4)



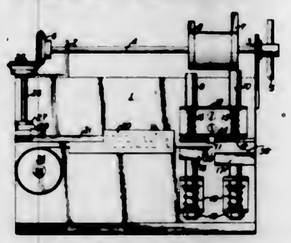
1. Apparatus of the character described for mounting a sheet member in a support, including: means for securing said sheet member to said support; a plurality of short face strip members each having its ends constructed to permit unobvious abutment with other strip members; and a molding of substantially greater length than each of said strip members, said molding providing means for positively locking said strip members to said first mentioned means.

2,550,306
CONVEYER SERVICE TRAY FOR OPERATING TABLES
William J. Soper, Kingston, N. Y.
Application April 18, 1947, Serial No. 742,321
1 Claim. (Cl. 311—10)



In a service tray, a flat tray member, a depending pin supported from said tray member, parallel side walls extended along the sides of said tray member and having their free ends projected beyond the ends of said tray member and formed with aligned holes, rollers extended between said ends of said side walls, said rollers being formed with trunnions engaging said holes of said side walls, said holes of said side walls being located on a plane common with said tray member so that said rollers will be rotatively supported on a plane common with said tray member, a continuous belt engaged over said rollers with one run traversing the top face of said tray member and with one run traversing the bottom face of said tray member, said trunnions at one of their ends being extended beyond the respective side wall, knobs mounted on the extended ends of said trunnions by which either roller can be turned in one direction or the other to similarly move said belt with relation to said tray member, and spaced cleats extended transversely across the exposed face of said continuous belt.

2,550,307
LABEL OR STAMP AFFIXING MACHINE
John R. Sperry, Washington, D. C.
Application July 21, 1949, Serial No. 106,086
9 Claims. (Cl. 216—33)



1. In a machine for detaching successively the end portions of a material strip, a first device for receiving and clamping an end portion, a second device for receiving and clamping said strip adjacent said end portion, means positioning the strip for said clamping, and means for moving said devices in their entirety relatively during clamping to sever said end portion.

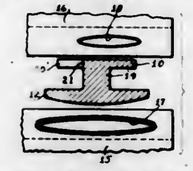
2,550,308
ELECTRICAL CONDENSER
Percy Archibald Sporing, Hampton Hill, England, assignor to The Telegraph Condenser Company Limited, North Acton, England, a British company
Application June 27, 1945, Serial No. 601,827
In Great Britain March 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1964
2 Claims. (Cl. 175—41)



1. An electrical condenser comprising in combination a metal casing, stacked metal plates therein, intervening sheets of insulation between the plates, each sheet having an aperture, alternate metal plates having apertures and being in electrical connection with said metal casing, a conductive stem extending through said apertures in said insulating sheets and said metal plates without touching said metal plates, the remaining alternate plates of said metal plates having a portion overlying an end of and in electrical connection with said stem, a screw threaded into the said end of said stem, and a metal disc surrounding said screw and bearing on the said portions of said last mentioned metal plates located against the said end of the stem.

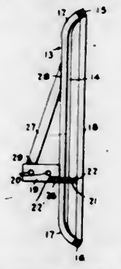
2,550,309
BUTTONED GARMENT AND BUTTON THEREFOR
Ellie M. Stancombe, Leominster, Mass.
Application January 8, 1949, Serial No. 69,879
1 Claim. (Cl. 2—243)

A garment having over-lapping inner and outer cloth portions provided respectively with opposed inner and outer button holes passing entirely therethrough, a button having an inner plate and an outer plate of greater diameter providing opposed inner parallel faces and a central shank connecting the plates integrally which has a length not materially greater than the combined thicknesses of said cloth portions at the button holes so that the cloth frictionally engages the inner plate faces, the length of the inner button hole being shorter than the length of the outer hole and materially less than any diameter of each plate so that neither plate may pass accidentally therethrough, the length of the outer button hole being substantially as long as the diameter of the associated outer plate so that the latter is normally buttonable through



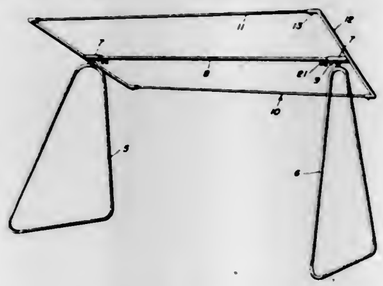
the hole, the inner plate being exposed inside of the associated inner garment portion for manual manipulation, the inner plate having spaced inclined walls forming an open ended narrow slot extending from the plate periphery to a point located at a distance from the most remote peripheral portion of the plate which is not materially greater than the length of the inner button hole, the width of the slot being as great as the thickness of the inner garment portion at the button hole, a slot wall having a pointed end and the parts being so arranged that the slotted plate may be interlocked with and rotatively passed through the inner button hole and thereby secure the button indefinitely against removal.

2,550,310
COMBINED HITCHING DEVICE AND GUARD FOR TRACTORS OR THE LIKE
Menno S. Stoltzfus, Cochranville, Pa.
Application June 16, 1949, Serial No. 99,532
2 Claims. (Cl. 280—33.44)



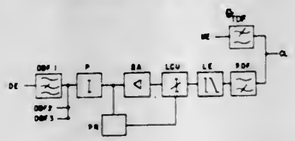
1. A combined hitching device and guard, comprising an upstanding cylindrically curved guard element including a frame embodying upstanding sides and a top and bottom, the top and bottom being longitudinally curved, upstanding bars within the frame and rigidly secured to the top and bottom, lower attaching lugs arranged near the bottom and rigidly secured to the sides and extending rearwardly of the sides, an a substantially horizontal wide bridge having a forward longitudinally curved face which abuts the upstanding bars and is integrally connected therewith and ends which abut the inner faces of the attaching lugs and are integrally connected therewith, said bridge having an opening near its longitudinal center.

2,550,311
PORTABLE SUNSHADE
Albert Tatoul, West Palm Beach, Fla.
Application January 27, 1948, Serial No. 4,680
1 Claim. (Cl. 135—7.1)



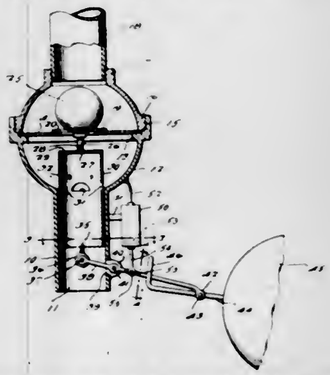
A sunshade comprising a pair of upstanding supports, a pair of horizontally aligned sleeves fixed to and surmounting said supports, a tubular ridge pole having ends fitted in and attached to said sleeves and detachable from said sleeves to provide for disassembling said supports and said pole, a rigid rectangular canopy frame having side members and end members with tubular terminals sleeved over and attached to the ends of said side members, said terminals being detachable from said ends by pulling off the same to provide for disassembling the members of said frame, and a pair of short center shafts extending horizontally from and fixed to said end members and slidably fitting into the ends of said pole for rockably supporting said frame on said sleeves, said shafts being slidable out of the ends of said pole to pull said terminals off the ends of said side members in disassembling the members of said frame.

2,550,312
ELECTRICAL SIGNALING SYSTEM
Teseo Bruno Dante Terroni and John Ernest Thomas Parker, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application March 5, 1947, Serial No. 732,574
In Great Britain March 6, 1946
12 Claims. (Cl. 179—1)



1. In a carrier current transmission system, a circuit subject to changes in attenuation and over which modulated carrier currents are received, automatic gain control equipment normally connected with said circuit, receiving means and control means included in said equipment, said receiving means operated responsive to a change in attenuation of said circuit for operating said control means to vary the gain in said circuit, said operation of said control means initiating a predetermined maximum correction in gain, which is less than the total maximum correction of which said control means is capable, for each change in attenuation.

2,550,313
FLOAT VALVE
Wesley L. Tucker, Shandon, Calif.
Application June 4, 1946, Serial No. 674,208
3 Claims. (Cl. 137—104)

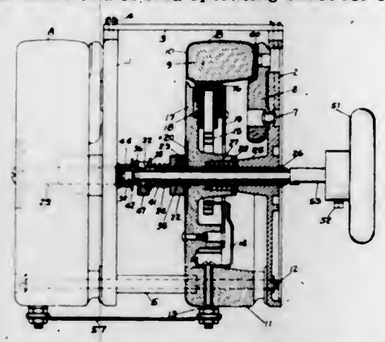


1. A valve comprising a vertical sleeve having an open lower end, an enlarged diameter hollow housing on the upper end of said sleeve and communicating with the upper end thereof, a valve seat supported across the interior of said housing above said sleeve and with its opening aligned with the upper end of said sleeve, a valve positioned in said housing above said valve seat arranged to close said valve seat opening when depressed, a tube slidable in said sleeve, the upper end of said tube being closed and its lower end open, means depending from said valve through said valve seat opening flexibly connecting said valve to the upper end of said tube, the sidewall of said tube being formed with relatively large ports spaced downwardly from the upper end of said tube, said ports being positioned to have communication with the interior of said housing while said tube and said valve are in their extreme elevated positions, whereby liquid can flow downwardly through said housing through said valve seat opening, said tube ports, and the interior of said tube, said ports further being positioned to be occluded by the sidewall of said sleeve in the extreme depressed position of said tube wherein said valve is in closing relation to said valve seat opening, and means for elevating and depressing said tube.

2,550,314
INTERCONNECTING MEANS FOR CONTROL DEVICES
Robert H. Winckler, Maplewood, N. J., assignor to Hardwick-Hindle, Inc., Newark, N. J.
Application December 28, 1945, Serial No. 637,727
17 Claims. (Cl. 201—48)

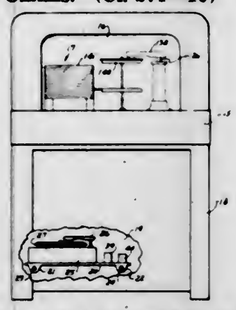
1. A plural rheostat mounting including a plurality of rheostats arranged in tandem relationship, each rheostat having a base plate carrying a resistance unit, means for holding said base plates in operative position, at least one of said base plates having means by which it may be mounted to a support, each rheostat having a rotatable shaft carrying a brush for contacting with said resistance unit, said shafts being in axial alignment with the inner end of one terminating adjacent the outer end of the other, at least one of said shafts being hollow, an operating shaft positioned within said hollow shaft with one end extending outwardly beyond the base plate of its associated rheostat and having

operative means on said extending end and means on the inner end of said operating shaft for com-



pleting an independent connection with either of said first mentioned shafts.

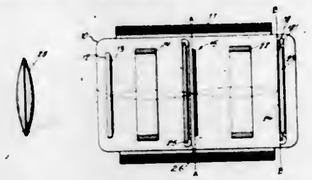
2,550,315
MEANS ASSOCIATED WITH COIN-CONTROLLED AUTOMATIC PHONOGRAPHS TO PLAY SHORT ADVERTISING RECORDS
James T. Williams, Minneapolis, and Karl F. Riese, St. Paul, Minn.; said Riese assignor to said Williams
Application October 7, 1946, Serial No. 701,798
3 Claims. (Cl. 274—10)



1. In an attachment installed in the casing of an automatic phonograph, a timing switch comprising a contact wheel having thereon a multiplicity of contact members of different lengths, an advertising record, a circuit and instrumentalities operated thereby for operating the advertising record, means whereby contact with any one of said fingers will close a circuit, said several circuits being independently set up by moving the contact wheel one or more steps between playing of entertainment records, and means for moving said contact wheel, whereby the advertising message will be played following each rendition of an entertainment record or following the rendition of a plurality of said records, as determined by the circuit established by the contact fingers of different lengths.

2,550,316
IMAGE STORAGE DEVICE
Marshall P. Wilder, Stamford, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application January 29, 1949, Serial No. 73,592
5 Claims. (Cl. 313—66)

1. An image storage device for converting a transient light image into a persistent electron image comprising, a photoelectric film mounted on a transparent plate for receiving a transient light image from an outside source, focussing means for directing electrons given off by the photoelectric film to a focus at an electron image plane, an electron permeable insulating plate

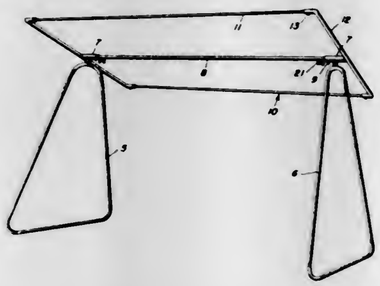


mounted in said image plane, a perforated conductive film mounted on said insulating plate, particles of photoelectric material secured to the surface of the conductive film, and a source of light directed towards the conductive film for illuminating the photoelectric material.

2,550,317
CONTROL OF STAGE, DECORATIVE, OR SIMILAR LIGHTING APPARATUS
James Templeton Wood, London, England, assignor to The Strand Electric and Engineering Company Limited, London, England, a British company
Application April 4, 1949, Serial No. 85,404
In Great Britain April 15, 1948
2 Claims. (Cl. 315—250)

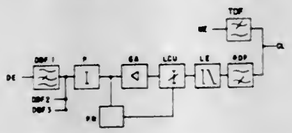
1. Apparatus for the control of stage, decorative and similar lighting devices fed with unidirectional current from a polyphase alternating-current supply, comprising in combination thermionic valves of the same number as that of the phases of the supply, a lead from each of said valves connecting its anode circuit in series with the lighting load, a single source of direct-current supply, a double-ganged potentiometer connected across said direct-current supply, two sets of apparatus, each set including two pressure leads whereof one of said leads is connected to one pole of said direct-current supply and the remaining pressure leads of the two sets are connected respectively to the two sliders of said double-ganged potentiometer, a potentiometer connected across the pressure leads of each of said sets of apparatus, two resistances connected in series between the sliders of the last mentioned potentiometers, and a lead from the junction of said resistances to the grid circuit of each of said valves.

2,550,311
PORTABLE SUNSHADE
Albert Tatoul, West Palm Beach, Fla.
Application January 27, 1948, Serial No. 4,680
1 Claim. (Cl. 135—7.1)



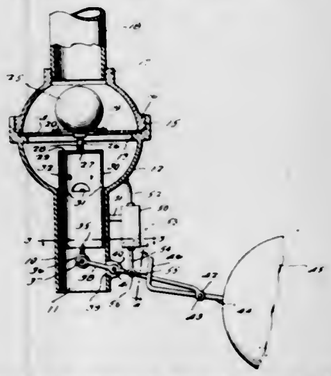
A sunshade comprising a pair of upstanding supports, a pair of horizontally aligned sleeves fixed to and surmounting said supports, a tubular ridge pole having ends fitted in and attached to said sleeves and detachable from said sleeves to provide for disassembling said supports and said pole, a rigid rectangular canopy frame having side members and end members with tubular terminals sleeved over and attached to the ends of said side members, said terminals being detachable from said ends by pulling off the same to provide for disassembling the members of said frame, and a pair of short center shafts extending horizontally from and fixed to said end members and slidably fitting into the ends of said pole for rockably supporting said frame on said sleeves, said shafts being slidable out of the ends of said pole to pull said terminals off the ends of said side members in disassembling the members of said frame.

2,550,312
ELECTRICAL SIGNALING SYSTEM
Teseo Bruno Dante Terroni and John Ernest Thomas Parker, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
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In Great Britain March 6, 1946
12 Claims. (Cl. 179—1)



1. In a carrier current transmission system, a circuit subject to changes in attenuation and over which modulated carrier currents are received, automatic gain control equipment normally connected with said circuit, receiving means and control means included in said equipment, said receiving means operated responsive to a change in attenuation of said circuit for operating said control means to vary the gain in said circuit, said operation of said control means initiating a predetermined maximum correction in gain, which is less than the total maximum correction of which said control means is capable, for each change in attenuation.

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FLOAT VALVE
Wesley L. Tucker, Shandon, Calif.
Application June 4, 1946, Serial No. 674,208
3 Claims. (Cl. 137—104)

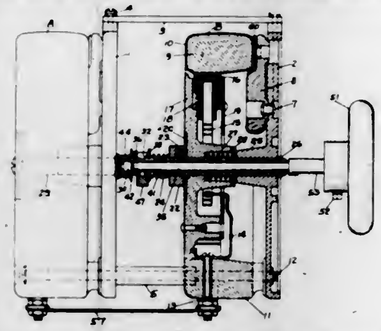


1. A valve comprising a vertical sleeve having an open lower end, an enlarged diameter hollow housing on the upper end of said sleeve and communicating with the upper end thereof, a valve seat supported across the interior of said housing above said sleeve and with its opening aligned with the upper end of said sleeve, a valve positioned in said housing above said valve seat arranged to close said valve seat opening when depressed, a tube slidable in said sleeve, the upper end of said tube being closed and its lower end open, means depending from said valve through said valve seat opening flexibly connecting said valve to the upper end of said tube, the sidewall of said tube being formed with relativeiy large ports spaced downwardly from the upper end of said tube, said ports being positioned to have communication with the interior of said housing while said tube and said valve are in their extreme elevated positions, whereby liquid can flow downwardly through said housing through said valve seat opening, said tube ports, and the interior of said tube, said ports further being positioned to be occluded by the sidewall of said sleeve in the extreme depressed position of said tube wherein said valve is in closing relation to said valve seat opening, and means for elevating and depressing said tube.

2,550,314
INTERCONNECTING MEANS FOR CONTROL DEVICES
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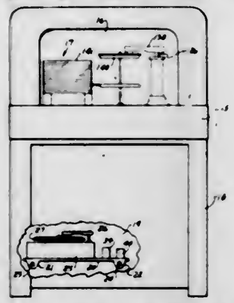
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operative means on said extending end and means on the inner end of said operating shaft for com-



pleting an independent connection with either of said first mentioned shafts.

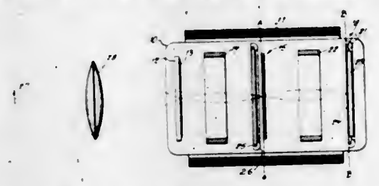
2,550,315
MEANS ASSOCIATED WITH COIN-CONTROLLED AUTOMATIC PHONOGRAPHS TO PLAY SHORT ADVERTISING RECORDS
James T. Williams, Minneapolis, and Karl F. Riese, St. Paul, Minn.; said Riese assignor to said Williams
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2,550,316
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1. An image storage device for converting a transient light image into a persistent electron image comprising, a photoelectric film mounted on a transparent plate for receiving a transient light image from an outside source, focussing means for directing electrons given off by the photoelectric film to a focus at an electron image plane, an electron permeable insulating plate



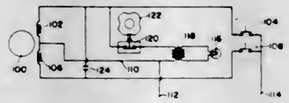
mounted in said image plane, a perforated conductive film mounted on said insulating plate, particles of photoelectric material secured to the surface of the conductive film, and a source of light directed towards the conductive film for illuminating the photoelectric material.

2,550,317
CONTROL OF STAGE, DECORATIVE, OR SIMILAR LIGHTING APPARATUS
James Templeton Wood, London, England, assignor to The Strand Electric and Engineering Company Limited, London, England, a British company
Application April 4, 1949, Serial No. 85,404
In Great Britain April 15, 1948
2 Claims. (Cl. 315—250)



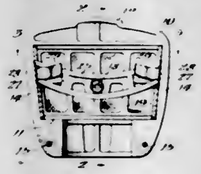
1. Apparatus for the control of stage, decorative and similar lighting devices fed with unidirectional current from a polyphase alternating-current supply, comprising in combination thermionic valves of the same number as that of the phases of the supply, a lead from each of said valves connecting its anode circuit in series with the lighting load, a single source of direct-current supply, a double-ganged potentiometer connected across said direct-current supply, two sets of apparatus, each set including two pressure leads whereof one of said leads is connected to one pole of said direct-current supply and the remaining pressure leads of the two sets are connected respectively to the two sliders of said double-ganged potentiometer, a potentiometer connected across the pressure leads of each of said sets of apparatus, two resistances connected in series between the sliders of the last mentioned potentiometers, and a lead from the junction of said resistances to the grid circuit of each of said valves.

2,550,318
REGISTER CONTROL AND SIGNAL FOR WEB PRESSES
Emory W. Worthington, Upper Montclair, and George J. Schowerer, Englewood, N. J., assignors to Champlain Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 10, 1947, Serial No. 760,090
2 Claims. (Cl. 177—311)



1. Register control mechanism for web presses and the like driven through differential gearing including a shaft which introduces corrective movement into the differential gearing for running register, said shaft serving to correct the register of two presses or the like operating on a moving single continuous web, a control device for causing rotation of said shaft when desired, and means responsive to the actual resulting rotation of said shaft for causing a signal which may be used as an approximate measure of the amount of register correction being introduced by the control device.

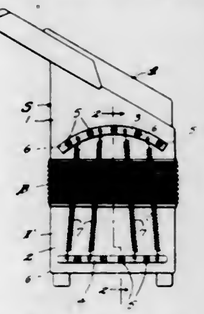
2,550,319
AIR FILTER HEAD FOR PORTABLE ABRADING MACHINES
James A. Wright, Chicago, Ill., assignor, by mesne assignments, to Porter-Cable Machine Company, Syracuse, N. Y., a corporation of New York
Application February 7, 1949, Serial No. 74,952
3 Claims. (Cl. 183—51)



1. An air inlet filter head for a portable abrading machine, comprising, a hollow, rigid, box-like housing head having a base, a top, and perforate front and side walls connecting the base and top, and through which perforate walls air may be drawn through the back of said head, a filter screen having an open-work frame and a foraminous sheet secured thereover, said screen following the transverse contour of the inside faces of said front and side walls and covering the perforations therein, and a U-shaped spring clip for holding said filter screen snugly and removably against said inside faces.

2,550,320
ACCORDION
Albert J. Yeager, Longmont, Colo.
Application December 4, 1944, Serial No. 566,520
1 Claim. (Cl. 84—376)

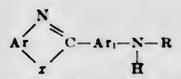
In an accordion of the piano type, including an upper and a lower sound box and an interconnecting bellows, supports at the corners of the bottom of said lower box, a bar secured crosswise of one of the end walls of said lower box adjacent the lower edge thereof, an arcuate bar secured crosswise of a corresponding end wall of said upper box adjacent the lower edge of the same, and pairs of coil springs interconnecting said bars at each end of said boxes,



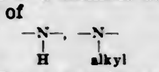
one pair of said springs being disposed at each side of the vertical centers of said boxes and in a downward and outward diverging relation with respect thereto and to each other.

2,550,321
AMINO DERIVATIVES AND PROCESS OF MAKING SAME
Franz Ackermann, Binningen, Switzerland, assignor to Ciba Limited, Basel, Switzerland
No Drawing. Application November 16, 1948, Serial No. 60,400. In Switzerland December 12, 1947
11 Claims. (Cl. 260—304)

1. A process for the manufacture of a water-soluble amine derivative which comprises condensing an amino compound of the general formula

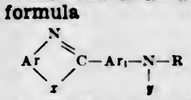


wherein Ar is a divalent phenylene radical, at the most substituted by one lower alkyl group in the 6-position, Ar_1 is a divalent radical of the benzene series, x is a member selected from the group consisting of

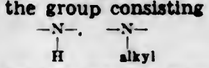


and —S— and R is a member selected from the group consisting of H and alkyl, with a water-soluble aldehyde-bisulfite compound, at a temperature of 90–100° C. in a weakly alkaline aqueous medium.

7. A water-soluble salt of an amino derivative of the general formula

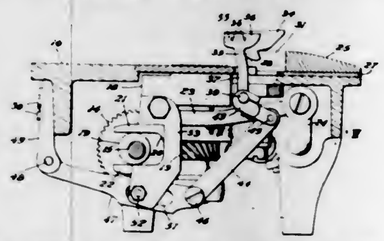


wherein Ar is a divalent phenylene radical, at the most substituted by one lower alkyl group in the 6-position, Ar_1 is a divalent radical of the benzene series, R is a member selected from the group consisting of H and alkyl, x is a member selected from the group consisting of



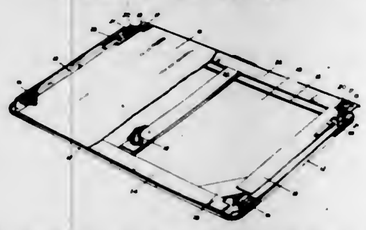
and —S—, and y is a member selected from the group consisting of

2,550,322
SEWING MACHINE
James Armenti, Maplewood, N. J.
Application October 23, 1946, Serial No. 705,069
5 Claims. (Cl. 112—122)



1. A sewing machine having a bed and two needles for simultaneously making two lines of stitches in cloth fed thereto, cloth-severing means in front of the plane of said needles and above said bed for severing the cloth to provide severed edges therefor between the needles, said cloth-severing means having a fixed blade and a movable blade in continuous shearing engagement and both entirely in front of said plane of the needles, an arm carrying said movable blade, said arm being entirely in front of said plane of the needles and depending through said bed, means entirely beneath said bed providing support for said arm, and means entirely beneath said bed for actuating said arm and blade carried thereby for imparting a shearing motion of the movable blade with respect to the fixed blade.

2,550,323
SLIDING ROOF FOR VEHICLES
William Henry Bishop, Birmingham, England, assignor to Weathershields Limited, Birmingham, England, a company of Great Britain
Application January 4, 1949, Serial No. 69,130
In Great Britain January 17, 1948
2 Claims. (Cl. 296—137)

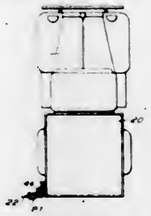


1. A sliding roof of the kind set forth for a vehicle comprising longitudinal guides secured along the sides and rearward of an opening in the roof of the vehicle, a cross member extending between said guides and defining the rear end of said opening, a slidable panel engaging said guides and adapted to close and uncover said opening, said panel including a stepped-down rear portion, a rubber strip attached to the top of said stepped-down portion, an eccentric means journaled to said panel, a piece rigidly connected to said roof and engageable by said eccentric means when said panel is in a position to close said opening, said eccentric means when in registry with said piece being operative by the user to bear on said piece, thereby to raise the rear end of said panel so as to urge said rubber strip sealingly against said cross member, a light flexible frame below and substantially co-extensive with said panel, and a head lining carried by said frame, said frame being connected to said panel at its front end only and its rear end resting freely under gravity on said guides.

2,550,324
PROCESS FOR CONTROLLING WEATHER
Harvey M. Brandau, Wilton, Wis., assignor to W. C., Inc., a corporation of Delaware
No Drawing. Application May 7, 1948, Serial No. 25,807
6 Claims. (Cl. 299—28)

1. A process for altering weather conditions in the unconfined, non-vacuous atmosphere which comprises dispersing therein flake ice at an elevation such that said flake ice settles in at least a partially horizontal direction and a substantial maximum surface area per volume of said flake ice contacts a maximum volume of said atmosphere per volume of said flake ice and such that said flake ice in its gradual downward descent contributes its moisture content to said atmosphere and changes the stability structure and moisture content of said atmosphere.

2,550,325
LAMP AND LICENSE PLATE SUPPORT
Miles William Breed, Elizabeth, Ill.
Application February 18, 1949, Serial No. 77,143
2 Claims. (Cl. 248—284)

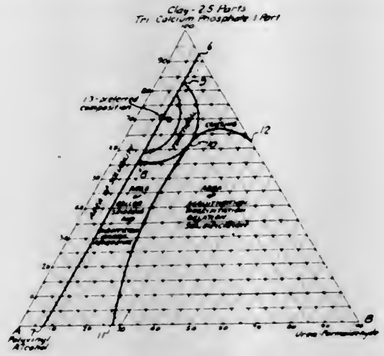


1. A device for supporting a tail lamp and a license plate comprising a bracket adapted to be secured to a vehicle, said bracket including a pair of spaced legs having one of their ends bent at right angles to define a transversely disposed brace, an annular member secured to said brace, the other adjacent ends of said legs being shaped to define a pair of standards, an apertured strip extending between said standards and secured thereto, a rod extending between said annular member and strip, a pair of coil springs circumposed on said rod, a tubular sleeve interposed between said pair of springs, a support member pivotally connected to said standards, a follower arm having one end pivotally connected to said sleeve and its other end pivotally connected to said support member, an elongated link carried by said support member for attachment to a license plate, a pair of short links arranged at right angles with respect to said elongated link and carried by said support member for attachment to a tail light, and means for securing said bracket to the vehicle.

2,550,326
PLANOGRAPHIC PRINTING
Clarence A. Brown, Toledo, Ohio, assignor to Jones Graphic Products Company, Albuquerque, N. Mex., a corporation of New Mexico
Application January 12, 1949, Serial No. 70,460
12 Claims. (Cl. 154—46)

6. A planographic printing sheet consisting of a sheet of metal foil with a sheet of water re-

sistant paper adhered to each face of the foil and a layer on the outer surface of one of the sheets of paper, said layer being the residue of an aqueous solution dried onto the paper, and the essential ingredients of the solution and their proportions being approximately 10% of water-soluble urea-formaldehyde plastic, 70% of a mixture of 1 part tri-calcium phosphate to 2.5 parts clay and 20% highly polymerized high saponification polyvinyl alcohol.



2,550,327
SELF-ADJUSTING BATHING SUIT
Bette J. Christensen, Portland, Oreg., assignor to Jantzen Knitting Mills Inc., Portland, Oreg., a corporation of Nevada
Application September 20, 1948, Serial No. 50,218
5 Claims. (Cl. 2—67)

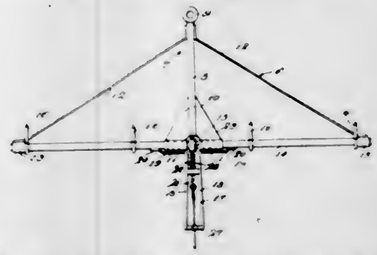


1. A bathing suit comprising trunks, and a front panel secured to said trunks, said front panel including a skirt portion extending from side to side of the front of said trunks and attached thereto only at its side edges, and said trunks comprising an elastic waistband secured throughout its length to the upper edge of the front of said trunks and terminatinng at its side edges.

2,550,328
METHOD OF COATING ALUMINUM OR ITS ALLOYS
Charles C. Cohn, Elkins Park, Pa., assignor to Samuel L. Cohn and Charles C. Cohn, copartners, doing business as Colonial Alloys Company, Philadelphia, Pa.
No Drawing. Application November 14, 1949, Serial No. 127,157
13 Claims. (Cl. 148—6.2)

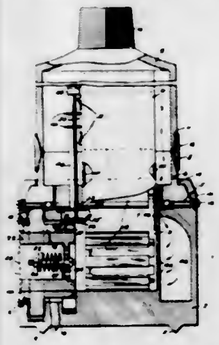
1. The method of producing an aluminum oxide coating on aluminum or its alloys containing aluminum as their major constituent including treating a surface of such metal with an aqueous solution containing lithium, carbonate and chromate ions as its essential constituents, said solution being 0.01N to saturated in lithium ion content, 0.06N to 0.80N in carbonate ion content, and 0.07N to 0.60N in chromate ion content, and which has a pH of not less than about 9.5.

2,550,329
MECHANICAL FORK
Oliver H. Cooper, Burley, Idaho
Application March 7, 1947, Serial No. 733,146
2 Claims. (Cl. 294—124)



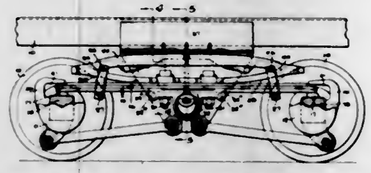
1. In a fork of the character described, a frame, a fork having a head journaled in said frame, a latch including a reciprocable latch bolt, a support for said bolt secured at one of its ends to the fork head and projecting therefrom at an angle to the tines or teeth of the fork, said support being heavier than the fork tines to cause the support to assume a depending position substantially in the same plane as the frame for positioning the fork in an operative position, said frame having a socket for receiving an end of the latch bolt for latching the fork in an operative position relatively to said frame, and spring means for urging the latch bolt to a projected position and for retaining it releasably in engagement with said socket to releasably retain the fork in an operative position.

2,550,330
DROP COLLAR RIGHT ANGLE DRILL FOR WELLS
William E. Coyle, Cotton Valley, La.
Application June 14, 1948, Serial No. 32,815
3 Claims. (Cl. 255—1.6)



1. A drop collar right angle drill for wells comprising a base; a barrel rotatably mounted therein and having an approximately horizontal splined bore; means for rotating the barrel; a drill bit formed for splined engagement with said bore; a disc on the bit; means for exerting pressure against said disc to shift the bit axially within the bore while being rotated by the barrel; a hollow stack mounted in said base; a plurality of splined collars supported within said stack; means on the bit and on each collar for coupling said bit and collars in succession; a cam shaft rotatably mounted against said stack in engagement with supported collars for dropping a single collar on partial rotation of the shaft, said dropped collar being dropped into position for coupling to the preceding collar; and a pawl on the barrel and engageable periodically with said shaft for partial rotation of the shaft.

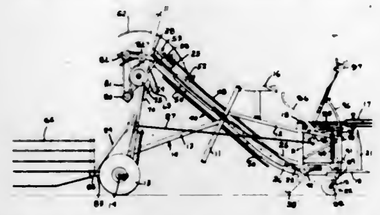
2,550,331
VEHICLE SUSPENSION UNIT
James J. Crookston, Moylan, Pa., assignor to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania
Application February 12, 1947, Serial No. 728,131
4 Claims. (Cl. 280—104.5)



1. In a six-wheel automotive vehicle of the type having a rear bogie and which is characterized by the provision of a body-supporting frame having a pair of laterally spaced longitudinally extending sill members each of which supports a laterally projecting trunnion; a pair of side suspension units for the rear bogie of said vehicle respectively disposed beneath the horizontal plane of said sill members and oscillatably mounted upon the trunnions associated with the latter, each of said oscillatably mounted units comprising a plurality of superposed spring leaves forming a leaf-spring assembly adapted to be supported by its extremities between tandem wheels of the bogie and a rigid beam superposed on and secured to said leaf spring assembly, said beam having end portions vertically spaced from said leaf spring assembly under light vehicle load conditions but forming flexure-limiting abutments under heavy vehicle loads, said beam being substantially coextensive in length with the unsupported length of the leaf spring assembly whereby under light load said assembly is free to flex, while under heavy load flexing thereof is completely prevented.

2,550,332
PEANUT AND LEAFY VEGETABLE HARVESTER
William Green Cross, Cordele, Ga., assignor of forty-nine per cent to Benjamin Zeesman, Cordele, Ga.
Application January 12, 1948, Serial No. 1,838
5 Claims. (Cl. 55—108)

1. A plant harvesting apparatus comprising a wheeled frame having supporting front and rear wheels, for movement over a row of plants, guide members extending forwardly of the frame for separating laterally extending portions of the plants therefrom, vertical cutting blades above the guides for severing laterally extending vines and debris from the plants above the surface of the soil, vertical cutting mechanism on the front wheels of the frame penetrating the soil to cut lateral surface and subsurface vines and debris, pickup belts on the frame for receiving plants from the guides and withdrawing plants from the soil, and a horizontal unitary cutting blade on the frame comprising a fixed bar for insertion beneath the ground surface to cut plant roots at the moment of withdrawal by the pickup belts.



2,550,333
SHIRT PACKAGING DEVICE
Tom A. Crossley, La Grange, Ga.
Application March 8, 1950, Serial No. 148,396
5 Claims. (Cl. 223—71)



1. A shirt packaging device for use in packing collar-attached shirts, comprising a backing panel, around which the shirt is folded; a collar protective panel hingedly connected to said backing panel and adapted to overlie the shirt collar to protect it from soiling; and a collar brace form including a curved elongated, upper collar brace panel hingedly connected intermediate its ends to said collar protective panel and adapted to be folded down within the collar opening against the inner fold of the collar and under said collar protective panel, and an elongated lower collar brace panel hingedly connected intermediate its ends to said upper collar brace panel and adapted to have its ends inserted between the inner and outer folds of the shirt collar.

2,550,334
COMBINATION HOSE AND SLIPPER-SOLE ASSEMBLY
Charlie H. Dahlhouser, Hastings, Mich., assignor of fifty per cent to John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich.
Application February 10, 1950, Serial No. 143,525
3 Claims. (Cl. 36—9)

1. A combination hose and slipper-sole assembly, said slipper-sole assembly having an inner cushion member mounted thereon and a strip extending around the edge of same, said strip being of increased height at the heel portion of

the assembly to form a heel enclosing portion, a hose of a size suitably fitting said slipper-sole assembly, a toe cap directly mounted on the top



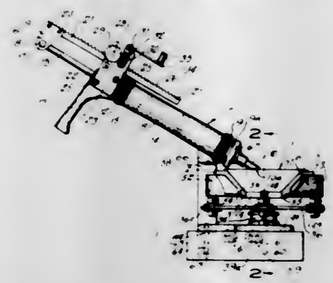
only of the toe portion of said hose and fastened thereto, and mechanical means joined to said strip for separably fastening said hose and slipper-sole assembly together.

2,550,335

MECHANISM FOR APPLYING LUTING TO GLASS FEEDER ORIFICE RINGS

Francis N. Dailey, Rockville, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware

Application December 15, 1948, Serial No. 65,431
3 Claims. (Cl. 18—3.5)



1. Mechanism for applying a luting mixture of clay and water or the like to a glass feeder orifice ring comprising a rotor mounted to turn freely on a vertical axis and on which such an orifice ring may be positioned with its axis aligned with the axis of rotation of the rotor and for turning movement with said rotor, and means to discharge such a luting mixture in a plastic column onto the upper surface of the orifice ring on said rotor in a direction such as impart rotation to the orifice ring and rotor by the contact of the discharged column of luting with the orifice ring so as to lay the discharged luting mixture on the orifice ring progressively around the axis thereof.

2,550,336

LOUD-SPEAKER CABINET WITH INCLINED BAFFLES

Nathan I. Daniel, Long Branch, N. J.

Application August 14, 1947, Serial No. 768,650
3 Claims. (Cl. 181—31)

1. A speaker cabinet comprising a case having front and rear walls, said rear wall being formed with a lower opening to form the entrance of an acoustic labyrinth, a speaker unit mounted at the upper portion of the case, said speaker unit being substantially cone-shaped and having its base or speaker mouth at a speaker opening formed in the upper front wall of the case and so that the lower side of the speaker unit is inclined upwardly toward the rear wall of the case, a first baffle plate connected to the front inner wall of the case below the speaker mouth and being inclined upwardly toward the rear wall of the case so as to be substantially parallel to the lower side of the speaker unit, said first baffle



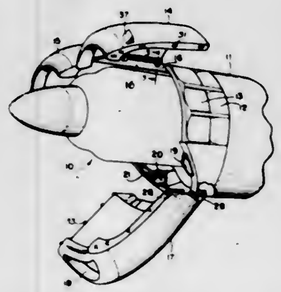
plate terminating short of the rear inner wall to provide a path for sound waves, a second baffle plate connected below said first baffle plate and to the rear inner wall of the case, said second baffle plate being parallel to said first baffle plate and terminating short of the front inner wall to extend the sound wave path whereby an acoustic labyrinth is formed including the lower rear wall opening, both of said baffle plates being superimposed for the major portion of their length.

2,550,337

ENGINE COWLING

John C. Duffendack, Jr., and Willard W. Tjossem, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

Application February 7, 1945, Serial No. 576,530
7 Claims. (Cl. 123—41.7)



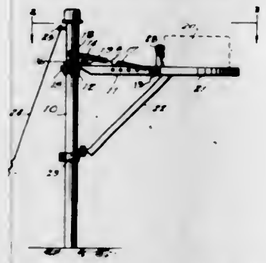
1. An annular cowling system for aircraft engines, the aircraft including an engine extending forwardly from a generally circular engine nacelle structure, comprising cantilever means independent of said engine and separately supported from said nacelle structure, including a plurality of cowl panels at least one of said panels being hinged directly to said nacelle structure, means supporting the remaining cowl panels on hinge axes normally parallel to the center line of the nacelle structure, and means for latching said last mentioned cowl panels to said first mentioned panel whereby to produce a rigid cantilever self-sustaining cowling system capable of resisting distortion.

2,550,338

SUPPORT FOR MAILBOXES OR THE LIKE

Joseph B. Dunagan, Olney, Tex.

Application January 16, 1947, Serial No. 722,425
1 Claim. (Cl. 248—145)



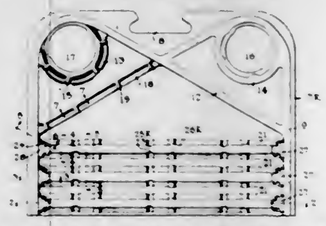
In a mail box support comprising, in combination with a standard adapted to be supported vertically at a roadside, a cross-arm having a clamp rigidly secured to said standard near the upper end thereof and extending horizontally from both sides of said standard, an integral bracket on said clamp, a box supporting arm pivotally connected to said clamp and extending horizontally from the front of said standard and capable of swinging in a horizontal arc in front of said standard and on a common plane with said cross-arm, a substantially circular guard member attached to the outer end of said box supporting arm and arranged in a horizontal plane, a pair of pull springs providing a connection between the outer ends of said cross-arm and said pivoted arm whereby the latter is normally extended at right angles to said cross-arm, each of said pairs of springs being hingedly joined longitudinally, and an angular brace member rigidly connected at its upper end to the underside of said pivoted arm, and having a pivotal attachment at its lower end to said standard.

2,550,339

PLATE TYPE HEAT EXCHANGER

Herbert H. Ehrman, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware

Application August 3, 1948, Serial No. 42,163
7 Claims. (Cl. 257—245)



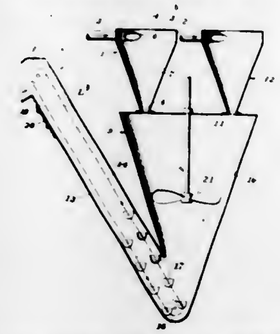
7. In a heat exchanger of the type in which a plurality of plates spaced in face to face relation seal at their margins and are ported to provide for the flow of diverse fluids between plates and thus along the opposite faces of individual plates, the improvements which consist in forming a part of the plate adjacent the ports without corrugations and another part of the plate more remote from the ports with corrugations transverse to the flow of said fluids said corrugations being approximately isosceles trapezoids in cross section and so arranged as to afford substantially identical patterns on opposite faces of the plate each pattern being in relief where the other pattern is in intaglio, said corrugations throughout the heat exchange area of the plate, having on their inclined lateral faces series of spaced bosses which engage inclined portions of opposed corrugations on at least one proximate plate, the bosses of respective series on successive plates being offset relatively to those on adjacent plates in the directions of the lengths of the corrugations, said series of bosses serving to space adjacent plates positively substantially throughout the areas within said margins, and at points where the interplate interval is relatively small; the parts of the plates devoid of corrugations being embossed to define flow channels on one face of the plate and sealing ribs on the other face thereof, said channels being divided by cross bridges which stiffen said sealing ribs and are each formed by folding a pleat in the metal of the plate in a direction transverse to the rib, said pleat being welded on the rib-forming side of the plate so as to maintain the continuity of the rib.

2,550,340

PROCESS FOR THE SEPARATION OF SOLID SUBSTANCES OF DIFFERENT SPECIFIC GRAVITY AND GRAIN SIZE

Freerk J. Fontein, Heerlen, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands

Application August 2, 1946, Serial No. 687,816
In the Netherlands August 7, 1945
3 Claims. (Cl. 209—173)



1. The continuous method of separating solid particles of different specific gravity and particle size comprising simultaneously feeding under pressure tangentially into one end portion of each of a plurality of confined circular spaces a suspension in a liquid of a mass of such particles to move in a cyclonic vortex within the circular space wherein centrifugal forces will be substantially in excess of gravtitational forces, a portion of the mass of particles being of substantially finer size than the remainder of the particles and of a specific gravity higher than a predetermined specific gravity of separation, discharging liquid and separated particles under pressure created by said feed from two outlets coaxial of each circular space, one of the outlets of each space opening directly from the end portion of the space which is adjacent the point of infeed while the second outlet is located at the non-infeed end of the circular space, said portion of substantially finer particles being supplied in such quantity and the discharge from the second outlet being so restricted that a concentration of the substantially finer and higher specific gravity particles will be created and maintained in a zone

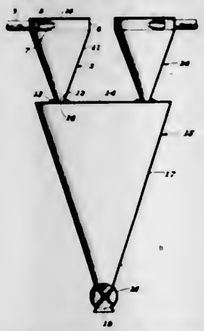
adjacent the second outlet of each circular space to obstruct discharge of the particles of a specific gravity lower than said specific gravity of separation from the second discharge outlet so that the fraction discharged from each of said first discharge outlets will contain substantially all particles of a specific gravity lower than said specific gravity of separation and the fraction discharged at each of the second discharge outlets will contain substantially only particles of a specific gravity higher than said specific gravity of separation, receiving the fraction discharged from each of said second discharge outlets in a larger confined pressure zone surrounding all of said second discharge outlets and filled with a bath of such specific gravity that larger particles received therein will settle, and continuously removing such larger particles from the confined pressure zone.

2,550,341

PROCESS FOR CONTROLLING THE CONCENTRATIONS OF SUSPENSIONS

Freerk J. Fontein, Heerlen, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands

Application August 14, 1946, Serial No. 690,550
In the Netherlands August 28, 1945
1 Claim. (Cl. 209—211)



A method of thickening a suspension of solids in a liquid into fractions so that the desired fraction will be thickened to have a predetermined concentration value, comprising simultaneously feeding the suspension tangentially to the base area of a plurality of conical spaces and compelling it to move in each of said spaces in inner and outer vortices having the same rotational sense but of opposite axial directions, continuously withdrawing a part of the suspension from the inner vortices and discharging it axially from the center of the base end of each conical space to thereby obtain a fraction from each space having a relatively low concentration value, continuously withdrawing a part of the suspension from the outer vortex at the apex of each conical space to thereby obtain a desired fraction having a relatively high concentration value and discharging the last-mentioned fraction from the apices of the conical spaces directly into a larger confined pressure zone surrounding the apex discharges of the conical spaces and filled with the desired fraction, withdrawing the last-mentioned fraction from a portion of the pressure zone remote from the apex discharges of the conical spaces and controlling the pressure in the pressure zone by controlling the rate of withdrawal of the desired fraction from the pressure zone to thereby obtain the desired concentration of solids in the discharge from the apices of the conical spaces.

2,550,342

PROCESS OF VULCANIZING "BUTYL" RUBBER

Arvel O. Frans, Cartersville, Ga., assignor to Chemical Development Co., Cartersville, Ga., a corporation of Georgia

No Drawing. Application April 29, 1947, Serial No. 744,778
2 Claims. (Cl. 260—79.5)

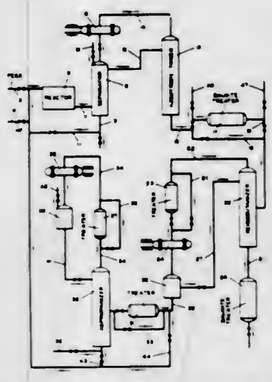
1. The process which comprises vulcanizing a vulcanizable mixture containing a vulcanizing agent, morphyl morpholyl dithiocarbamate and a synthetic, solid, plastic, hydrocarbon interpolymer of a major proportion of an isoolefin having less than 8 carbon atoms per molecule with a minor proportion of a conjugated aliphatic diolefin having 4 to 8, inclusive, carbon atoms per molecule, the said polymer being characterized by a low unsaturation below an iodine number of 50, a molecular weight above 15,000 and reactivity with sulfur to yield a product of increased elasticity, the dithiocarbamate being present in amount of .5 to 1.5 parts per hundred parts of the hydrocarbon interpolymer.

2,550,343

REMOVAL OF SILICON TETRAFLUORIDE FROM HYDROCARBONS

James D. Gibson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 22, 1946, Serial No. 663,829,
7 Claims. (Cl. 260—683.4)



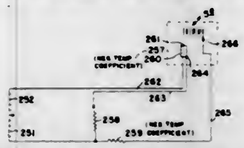
1. In a process involving the conversion of hydrocarbons in the presence of a fluorine-containing catalyst in which a liquid hydrocarbon conversion effluent is contacted with an organic fluorine-removing material containing a minor proportion of silica and thereby is contaminated with water and with a minor amount of silicon tetrafluoride of less than 0.1 per cent by weight of said effluent, and in which components of a resulting effluent are separated by fractional distillation under conditions such that water and silicon tetrafluoride are concentrated and silicon tetrafluoride is hydrolyzed to form siliceous deposits by the condensation of a relatively low-boiling fraction from said fractional distillation, the method for preventing the formation of such siliceous deposits which comprises contacting said low-boiling fraction from which said deposits separate with an oxide of iron under conditions such that silicon tetrafluoride is removed by said iron oxide from said low-boiling fraction prior to the condensation thereof.

2,550,344

THERMALLY CONTROLLED BATTERY CHARGER

James B. Godshalk, Philadelphia, Pa., assignor, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa., a corporation of Delaware

Application October 31, 1949, Serial No. 124,612
10 Claims. (Cl. 320—36)



1. In a battery charger, a thermally responsive element constructed for insertion in the battery to be charged, means controlled by said element for supplying current to a battery so long as its temperature remains below a definite value and for cutting off the supply of current to the battery when its temperature reaches such value, and means for automatically varying the cutoff point in accordance with ambient temperature.

2,550,345

SILVER PAINT

Robert B. Gray and Raymond H. Steele, Erie, Pa., assignors to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania

No Drawing. Application May 10, 1945, Serial No. 593,094
5 Claims. (Cl. 260—29.1)

1. A paint for producing a film having good electrical conductivity before drying and reduceable by firing after drying to a metallic silver film comprising silver oxide pigment, and an aqueous solution of a water soluble protective colloid holding the pigment in suspension.

2,550,346

DEVICE FOR OPENING PAPER CARTONS

Joseph J. Gregg, Springfield, Mass.

Application May 12, 1950, Serial No. 161,626
2 Claims. (Cl. 30—2)



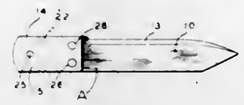
1. A device for opening paper cartons and the like comprising a unitary frame having along one edge a flanged extension, the inner surface thereof forming with the adjacent frame edge a pair of right angled surfaces for slidable engagement along adjoining carton walls, a slotted opening in said adjacent frame edge near one end of the same, a recess in the body of said frame, said recess communicating with said slotted opening, a knife blade in said recess adapted to be slidably reciprocated through said slotted opening, a recessed cavity in the frame adjacent the slotted opening and intersecting the recess, a spring anchored in the cavity engaging one end edge of said knife blade, said spring normally urging said knife blade away from the slotted opening and being movable in the cavity to permit extension of a corner of the blade through said opening, an enlarged recessed extension of said blade recess remote from said cavity and intersecting the peripheral edge of said frame, a finger piece reciprocably held in said recessed extension and engaged against the adjacent end edge of said blade, and means to limit the movement of said finger piece outwardly of its recessed extension, the inner end of said extension forming an abutment for limiting inward movement of said finger piece.

2,550,347

KNIFE BLADE CONSTRUCTION

Francis E. Gruber, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.

Application December 19, 1946, Serial No. 717,191
1 Claim. (Cl. 30—348)



A knife blade comprising a thin blade portion of uniform thickness throughout, the rear end of said blade having holes formed transversely therein, juxtaposed shoulder plates having a width equal to that of said blade, said shoulder plates having recessed portions providing transverse shoulder means extending the width of said plates, the rear end of said blade being positioned in said recessed portions of said plates in abutting engagement with said shoulder means, said shoulder plates having holes formed transversely therein in alignment with said holes formed in the rear end of said blade, rivets extending through the holes of said plates and said blade to secure said plates and blade together whereby said plates form the base for the knife blade, and two right angularly disposed spaced holes extending through said shoulder plates for receiving attaching means for hingedly securing said knife blade to a handle.

2,550,348

EYEGLASS CONSTRUCTION

Julius E. Hansen, Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass.

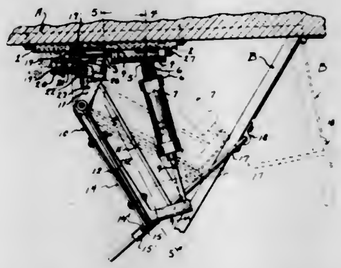
Application November 27, 1948, Serial No. 62,313
3 Claims. (Cl. 88—53)



1. In non-metallic frame construction, in combination, a frame front, a pair of temples, hinge means connecting said temples to said frame front, the forward ends of said temples being curved forwardly and outwardly and having channels formed therein on their inner surfaces, vertically positioned flat spring means connected to the inner surfaces of said temples adjacent the forward ends of said temples, the forward end portions of said springs engaging the endpiece portions of said frame front as said temples are opened, the outer ends of the endpiece portions of said frame front slanting rearwardly

and inwardly, the forward ends of said temples and said endpiece portions forming mitered joints when said temples are in open position, said hinge means being positioned at the inner ends of said mitered joints, the curved forward ends of said temples supporting said springs as said temples are spread, said springs moving into said channels, said spring exerting resilient pressure upon said endpiece portions to urge said temples toward a closed position when they are spread.

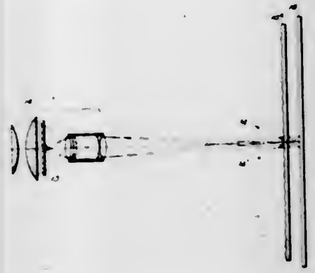
2,550,349
PNEUMATIC DOOR OPERATING DEVICE
Philip C. Heis, Milwaukee, Wis.
Application June 17, 1949, Serial No. 99,660
3 Claims. (Cl. 268—66)



1. In a device for opening and closing swinging doors, a bell crank lever rockably mounted at its angle on the frame of the door and including a long and a short arm, means operatively connecting the long arm to the door, a main cylinder pivoted to the frame in spaced relation to the bell crank, a piston and piston rod for the cylinder, means pivotally connecting the piston rod to the long arm of the bell crank adjacent to its outer end, an auxiliary cylinder, a piston and piston rod for the auxiliary cylinder, means operatively connecting the piston rod of the auxiliary cylinder to the short arm of the bell crank, means including a manually operated valve for initially supplying fluid under pressure to the main cylinder for actuating the bell crank in one direction and the door to a partially opened position, and automatic means for cutting off the supply of fluid to the main cylinder after partial opening of the door and for supplying fluid under pressure to the auxiliary cylinder for further operation of the bell crank in a reverse direction and the door to its fully opened position.

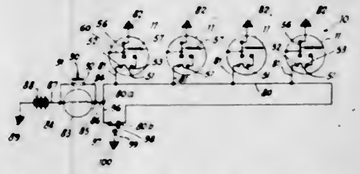
2,550,350
LENS SCREEN TO PRODUCE STEREOSCOPIC EFFECTS
West Henson, New York, N. Y.
Application July 8, 1948, Serial No. 37,716
8 Claims. (Cl. 88—57)

1. A stereoscopic system comprising camera means for photographing a scene, a series of truncated lens elements forming a lens sheet and operative to independently focus elemental areas of a scene upon a photographic recording surface disposed in said camera means so as to photograph said scene, and projector means for viewing a projected beam of a photographic representation derived from the photographic recording surface, said projector means including a resolving screen duplicating the lens structure of said lens sheet in enlarged form and a viewing screen adjacent to and behind said resolving screen, said resolving screen being operative to



individually re-focus the elemental areas of said projected beam onto said viewing screen.

2,550,351
FLAME DETECTOR SYSTEM
John Thomas Hick, Malba, N. Y.
Application September 20, 1948, Serial No. 50,089
5 Claims. (Cl. 177—355)

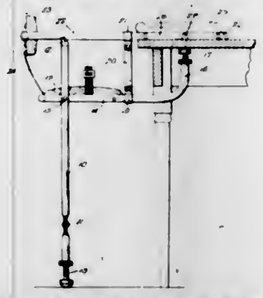


1. A flame detector system comprising a plurality of flame detector units, each unit comprising a contact, a fuse in series circuit with each contact, an electric signal device, means to connect said fuses in parallel with each other and each in series with said signal device, each unit including a movable contact, means to urge the movable contact of each unit into engagement with the first contact of said unit, means to retain the movable contact of each unit out of engagement with the first contact of said unit, said last means including a filament adapted to break upon burning by contact with flame to permit the urging means for said unit to move the movable contact into engagement with the first contact for completing the circuit to the electric signal device for energizing the same, and means to short circuit the electric signal device, each fuse being of such rating that it will blow when the signal device is short-circuited, and will not blow when the signal device is included in its circuit.

2,550,352
CHILD'S COLLAPSIBLE CHAIR
James W. Hodgson, Dover, and George F. Vigneau, Hampton, N. H.
Application June 25, 1949, Serial No. 101,378
4 Claims. (Cl. 155—78)

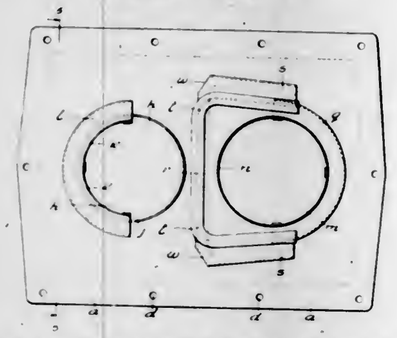
1. A child's collapsible chair comprising an upright leg member, a U-shaped seat member pivotally connected to the leg member below its upper end and having upturned free ends for engaging the underside of a table top, a U-shaped back member having a pivoted link connection to

the seat member and forwardly projecting arms for engaging the upper surface of the table top,



and interlocking elements presented by the upper end of the leg member and the back member.

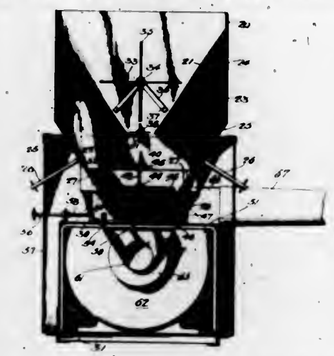
2,550,353
MEANS FOR THE VENTILATION OF VEHICLES
Kurt Bernard Hopfinger, Hampton-in-Arden, England, assignor to Weathershields Limited, Birmingham, England
Application July 16, 1949, Serial No. 105,083
In Great Britain July 20, 1948
7 Claims. (Cl. 98—2)



1. A ventilating unit for a vehicle body comprising a casing including side walls, front and rear end walls, a top, and a base adapted for securing to a part of the body, openings in the front and rear end walls of the casing for the passage of air, inlet and extractor openings in said base adapted to communicate with the interior of said body and located adjacent the front and rear ends of the casing respectively, a transverse partition in the casing and extending from the base to the top of the casing between the inlet and extractor openings, and longitudinal partitions in the casing which also extend from the base to the top of the casing and are substantially parallel to and spaced from the side walls of the casing and between which said transverse partition extends, the ends of said longitudinal partitions terminating short of the end walls of the casing.

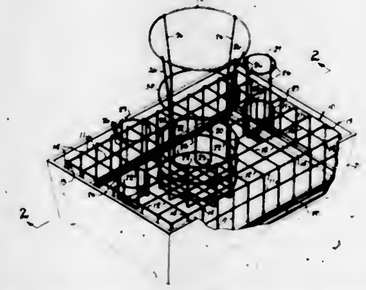
2,550,354
MECHANISM FOR APPLYING FIBERS
Einar Jacobsen, Haddonfield, N. J.
Application November 8, 1948, Serial No. 58,863
6 Claims. (Cl. 91—8)

6. In a fiber applicator, a fiber hopper having a throat at the bottom, a rotary feed in the throat having a relatively small diameter, a drive for the rotary feed, an oscillator in the hopper, a drive for the oscillator, a rotary paddle below the throat having a relatively great diameter, a



drive for the rotary paddle at a speed at least as great as the speed of the rotary feed, a blower in communication with the paddle at the discharge side of the paddle, and a valve between the paddle and the blower.

2,550,355
FORAMINATED VASE, CANDLE, AND FLOWER HOLDER
Lucy Brown James, Greenville, N. C.
Application April 17, 1950, Serial No. 156,291
7 Claims. (Cl. 211—74)

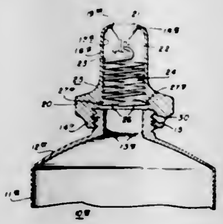


1. An improved combination flower, candle and vase holder formed of a plurality of spaced longitudinally extending members and a plurality of spaced transversely extending members suitably secured to each other at their junction points, and some of said transversely and longitudinally extending members extending downwardly intermediate their ends to form pockets into which a vase or candle may be inserted to support the same in an upright position.

2,550,356
CLOSURE FOR COLLAPSIBLE TUBE, HAVING A SPRING BIASED, AXIALLY RECIPROCABLE, PRESSURE OPERATED OUTLET VALVE
Samuel J. Jarvis, Pittsburgh, Pa.
Application September 22, 1949, Serial No. 117,118
1 Claim. (Cl. 222—496)

A closure member for a collapsible dispensing tube, comprising a neck member having a longitudinal discharge passage of circular cross section

terminating in a circular delivery opening, an outwardly-facing valve seat surrounding said delivery opening, a valve member associated with said valve seat, a shoulder at the inner end of the neck member and lying in a plane normal to the longitudinal axis of the neck discharge passage, and a cylindrical helical tension spring disposed in said passage in close proximity to the wall of



the latter, the innermost terminal coil of said spring being of greater diameter than said passage and abutting said shoulder, and said spring terminating at its outer end in a diametrically-extending hook portion secured to the valve member, said spring construction and arrangement providing a substantially free passageway axially of the spring for unobstructed flow of material through the neck member to the delivery opening.

2,550,357

SEALABLE FASTENING DEVICE

Harry B. Jansen and Leon F. Zielinski, Glendale, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

Application March 30, 1945, Serial No. 585,724
12 Claims. (Cl. 85—9)



1. A sealable securing device for use with a part having an opening comprising a shank for arrangement in the opening, and a head on the shank presenting an outer end and an inner surface which engages a surface of said part when said shank is in said opening, the head having a continuous uninterrupted annual groove in its said surface in surrounding relation to the shank and spaced from both the shank and the periphery of the head, and the head having a passage leading from the outer end of the head, which is accessible when first named surfaces are in engagement, to said groove for conducting sealing material to the groove to seal between said surfaces.

2,550,358

SPARK PLUG TERMINAL PROTECTOR

John Peter Le Grand and Norman Walter Young, Detroit, Mich.

Application April 9, 1948, Serial No. 20,056
6 Claims. (Cl. 174—77)



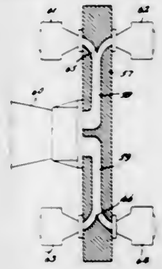
5. A spark plug terminal protector comprising a flexible resilient sleeve of annular cross-section formed of insulating material and consisting in the undeformed condition of two substantially straight end sections making an included angle of about 125° with each other and an intermediate gradually curved elbow-shaped section connecting said end sections, the bore and the wall thickness of the elbow-shaped section diminishing substantially uniformly throughout its length and the bore and the wall thicknesses of the two end sections being substantially uniform throughout their lengths.

2,550,359

LOUD-SPEAKER MOUNTING

Sidney E. Levy, Brooklyn, N. Y., assignor, by mesne assignments, to University Loudspeakers, Inc., New York, N. Y., a corporation of New York

Application February 8, 1946, Serial No. 646,417
4 Claims. (Cl. 181—27)



1. A loud speaker comprising a flat generally plate-like member having radially extending passageways therein acting as tone arms, said passageways extending from points spaced about the center of said plate-like member on one face surface thereof to points adjacent the periphery of said plate-like member on both face surfaces thereof, said passageways being substantially identical each to the other.

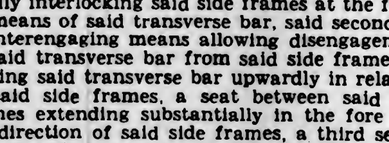
2,550,360

POWER SETWORK FOR SAWMILL CARRIAGES

Ulmont R. Lewis, Seattle, Wash.

Application November 12, 1947, Serial No. 785,483
7 Claims. (Cl. 143—120)

1. As a power setworks, and in combination with a reciprocally movable sawmill carriage having a master set-shaft journaled thereon for rotary movement about an axis at right angles to the path of movement of the carriage and providing transversely movable knees operatively interconnected with the set-shaft to cause the knees to be advanced and retracted by oppositely directed rotation of the set-shaft, a winch-drum fast to the set-shaft, a complementary winch-drum supported for rotary movement about a stationary axis paralleling that of the first-named drum and removed to one side of the



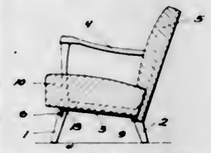
latter, a pulley removed to the other side of the first-named drum, and an endless cable having multiple wraps taken about the second-named drum and passing therefrom to and about the pulley and in its return run having multiple wraps taken about the first-named drum, means being provided for braking the second-named drum at will.

2,550,361

SITTING FURNITURE

Sigfrid Löfgren, Malmo, Sweden, assignor to Madrass-Fabriken Dux Aktiebolag, Malmo, Sweden, a corporation of Sweden

Application August 4, 1947, Serial No. 765,924
In Sweden November 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1963
3 Claims. (Cl. 155—196)



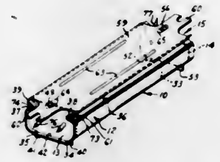
1. A piece of sitting furniture comprising a pair of spaced apart side frames, a back between said side frames adjacent the rear edges thereof, a first set of interengaging means on said side frames and said back for supporting said back between said side frames and rigidly interlocking said side frames at the rear by means of said back, said interengaging means allowing disengagement of said back from said side frames by moving said back upwardly in relation to said side frames, a transverse bar extending between said side frames adjacent the front edges thereof, a second set of interengaging means on said side frames and said transverse bar for supporting said transverse bar between said side frames and rigidly interlocking said side frames at the front by means of said transverse bar, said second set of interengaging means allowing disengagement of said transverse bar from said side frames by moving said transverse bar upwardly in relation to said side frames, a seat between said side frames extending substantially in the fore and aft direction of said side frames, a third set of interengaging means on said seat and said side frames interlocking said seat and said side frames for preventing movement of the rear portion of said seat upwards in relation to said side frames, said third set of interengaging means allowing disengagement of said seat from said side frames by moving said seat forwardly in relation to said side frames, a slat on said back, said seat overlying said slat and also said transverse bar for locking said back and said transverse bar against disengaging movement upwards in relation to said side frames, and locking means for locking said seat against movement forwardly in relation to said side frames.

2,550,362

CONTAINER

Thomas T. Logie, Bridgeport, Conn., assignor to The Stratfield Company, Bridgeport, Conn., a corporation of Connecticut

Application October 2, 1947, Serial No. 777,457
2 Claims. (Cl. 220—3.94)



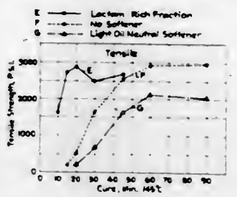
1. In a metal container for the purpose specified, an elongated sheet metal body consisting of a side wall and edge walls whereby the body is open through its ends and one side, said body having its edge wall portions along its open side bent to provide transversely wedge-shaped channels extending along the longitudinal edges of its open side, said body having slots through its side wall and through the bights of said wedge-shaped portions adjacent the body ends, sheet metal end pieces of substantially the contour and size of the inside section of the body, said end pieces in the end portions of said body, lugs on the end pieces and located in the slots in the side wall of the body, said end pieces having edge portions located in the slots through the bights of said wedge-shaped portions, tongues on said end pieces and extending through the open side of said body a separate elongated sheet metal cover and mounting member closing the open side of said body and receiving the longitudinal edges of the edge walls of said body and retaining said edge walls against separating movement whereby the end pieces are retained in said slots and against movement relative to the body, said tongues of the end pieces passing through said cover and mounting member and locking the same to the body against movement relative thereto, and mounting ears integral with and extending from the transverse ends of said cover and mounting member.

2,550,363

LACTAM PLASTICIZER FOR RUBBERS

Daniel B. Luten, Jr., Billee O. Blackburn, and Frank M. McMillan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

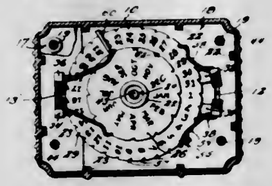
Application October 4, 1946, Serial No. 701,288
12 Claims. (Cl. 260—30.2)



1. A composition consisting essentially of a vulcanizable rubber-like conjugated diene hydro-

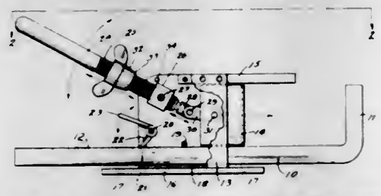
carbon polymer and from 10 to 25% by weight of said polymer of a lactam, the carbon and nitrogen atoms of the characteristic lactam group —NH—CO— of said lactam being linked by an unsubstituted hydrocarbon radical.

2,550,364
COIN ACTUATED CALENDAR BANK
Alfred E. Maage, Jr., Milwaukee, Wis., assignor to M. A. Gerett Corporation, Milwaukee, Wis.
Application September 2, 1949, Serial No. 113,781
6 Claims. (Cl. 194—94)



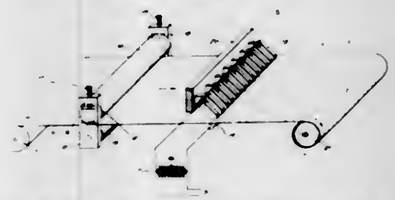
1. A coin actuated calendar bank comprising a casing having a plurality of coin receiving slots and window openings therein, a partition in said casing dividing the same into a relatively large coin compartment and a relatively thin mechanism compartment, a plurality of indicator dials mounted upon a common axis in said mechanism compartment and each of said dials having portions which are visible through said windows, one of said dials carrying month indicia and one of said dials carrying date indicia, coin actuated mechanism operatively associated with each of said dials for effecting the indexing movement of said dials upon the deposit of a coin in said bank, said coin actuated mechanism comprising a pair of pawls rockably mounted upon said dial axis, spring means operative to normally retain said pawls in inactive position, a coin contacting surface on each of said pawls, said surfaces being disposed in alignment with said coin receiving slots, whereby the insertion of a coin in said slot effects a spreading action upon said pair of pawls, said spreading action serving to position said pawls for effecting the indexing movement of said dial, said indexing movement being completed under the influence of said spring upon completion of the passage of said operating coin through said coin receiving slot.

2,550,365
LADDER CLAMP
Clarence M. McKenzie, Canfield, Ohio
Application August 22, 1947, Serial No. 770,104
2 Claims. (Cl. 24—263)



1. A ladder clamp comprising a body member, a bracket on said body member enabling the same to be attached to a support, a longitudinal passageway through said body member and an elongated bar slidably disposed in said passageway, one end of said bar being upturned to form a jaw, a movable jaw positioned in said body member, a latch in said body member normally engaging the said elongated bar, a longitudinally threaded lever and means threadably receiving said lever and pivotally positioned in said body member, and a link and swivel connecting said lever with said secondary jaw, the said lever movable longitudinally with respect to the said pivotal positioning means thereof by reason of said threaded engagement therewith.

2,550,366
METHOD AND APPARATUS FOR ELECTRO-PERFORATING SHEET MATERIAL
John W. Meaker, New York, N. Y., and Clarence H. McShan, Newark, N. J., said McShan assignor to said Meaker
Application October 25, 1946, Serial No. 705,785
2 Claims. (Cl. 219—19)



2. An apparatus for electro-perforating sheet material of a relatively high dielectric strength including a pair of oppositely disposed rolls, said rolls being positioned to engage with the opposite surfaces of a moving web of sheet material, an abrasive material carried by at least one of the rolls and contacting under pressure with one surface of the sheet material, spaced electrodes positioned on opposite sides of the moving web of sheet material following its passage between the rolls and electrical means for passing an electrical discharge between the electrodes and through the moving sheet material, said discharges occurring at irregularly spaced points across the moving web of sheet material.

2,550,367
INSULATOR SHIELD
Wilber L. Meier, Chatham, N. J.
Application April 21, 1950, Serial No. 157,245
6 Claims. (Cl. 174—139)



2. An insulation system for protecting electrical insulators from the effects of X-rays comprising, a cylindrical insulator, a first shield made of lead and mounted so as to enclose and protect the upper portion of the insulator, a second shield also made of lead and mounted so as to enclose and protect the lower portion of the insulator, both of said shields arranged in mutual overlapping manner without touching.

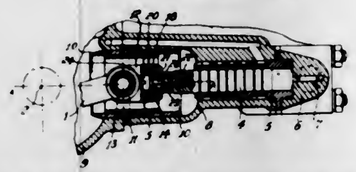
2,550,368
ADJUSTABLE OARLOCK
Marshall T. Michael, Perry, Kans.
Application November 10, 1948, Serial No. 59,239
1 Claim. (Cl. 9—26)

An adjustable oarlock comprising a support having an upstanding ear, a clamp adapted to detachably and adjustably engage an oar loom, and means rotatably engaging said ear and pivotally connecting the clamp and support and providing an adjustable clamp actuator, said clamp comprising an uninterrupted relatively wide split band of relatively resilient material having a substantially ring-shaped intermediate portion



adapted to engage around the oar loom and outturned apertured terminal portions loosely straddling said ear and receiving said pivotal means, said pivotal means comprising a nut and bolt, and said ear having an aperture registering with the apertures of said outturned terminal and receiving the bolt shank, said bolt shank having an unthreaded portion journalled in the aperture of the ear.

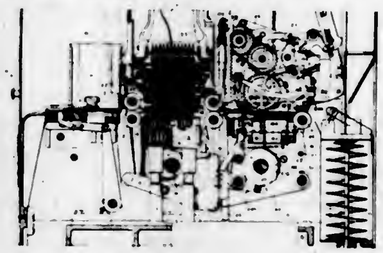
2,550,369
SINGLE-ACTING RECIPROCATING ENGINE
Albert Edmund Moreillon, Yverdon, Switzerland, assignor to Dunlop Rubber Company Limited, London, England, a British company
Application August 7, 1948, Serial No. 43,099
In Great Britain July 18, 1947
3 Claims. (Cl. 103—205)



1. A single-acting reciprocating engine which comprises a cross head, a piston and a connection between said cross head and said piston which comprises a socket mounted on the cross head, a part-spherical member rotatably housed in said socket and having an opening aligned with said piston, a pin secured to said piston and extending into said opening, said pin being of smaller diameter than said opening to permit lateral movement between said member and said piston and a spring between said pin and said part-spherical member to yieldably connect said piston to said part-spherical member.

2,550,370
PRINTING INTERPRETER
John Mueller, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 23, 1944, Serial No. 569,502
18 Claims. (Cl. 101—93)

1. In a card interpreting and printing machine, means for feeding alternately arranged data and record cards, means for interpreting perforations in the data cards including a movable control pin, means for printing on the cards



the data represented by said perforations, and means controlled by the movement of said control pin for preventing operation of the means for printing on the data cards.

2,550,371
BITUMINOUS COMPOSITION
Marguerite Naps, Oakland, and Harry J. Sommer, Lafayette, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 17, 1948, Serial No. 2,963
18 Claims. (Cl. 260—28.5)

1. A composition comprising an aqueous dispersion of a mixture of an asphaltic material having a penetration between about 40 and about 150 at 77° F. and therewith from about 15% to about 40% by weight, based on the weight of said mixture, of a homopolymer of alpha methyl acrylonitrile.

2,550,372
RADIO BEACON SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application February 10, 1949, Serial No. 75,682
5 Claims. (Cl. 343—105)



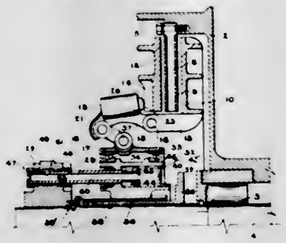
1. In a radio beacon transmitting apparatus, the combination of: a pair of transmitting antennae spaced from each other; means for radiating from one of said antennae radio frequency signals of one frequency; means for radiating from the other of said antennae radio frequency signals of a second frequency harmonically related to said one frequency and having a fixed multiple phase relation therewith; means for also radiating from said other one of said antennae radio frequency signals of a third frequency differing slightly from said one frequency; and means for also radiating from said one of said antenna radio frequency signals of a fourth frequency differing slightly from said second frequency and bearing a harmonic relation to said third frequency and having a fixed multiple phase relation therewith.

2,550,373

FLUID PRESSURE OPERATED CLUTCH

John E. Ortloff and Wayland B. Woody, Tulsa, Okla., assignors to Franks Manufacturing Corporation, Tulsa, Okla., a corporation of Oklahoma

Application August 18, 1947, Serial No. 769,240
5 Claims. (Cl. 192—86)



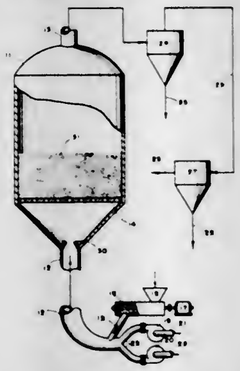
1. In a clutch mechanism comprising a friction plate and movable inside and outside driving plates for engagement and disengagement therewith, a hydraulic actuator for the driving plates comprising a movable cylinder, a plurality of clutch dogs pivotedly linked with the outside driving plate and the cylinder, means co-operating with the cylinder to alternately direct supply pressure fluid to the cylinder to cause movement thereof in alternate directions, said pivotable linkage comprising a pair of pivot pins and responsive to movement of the cylinder in one direction to move the center line of one of the said pivot pins past the center line of the other of said pivot pins to move the dogs in a direction to cause engagement of the driving plates with the friction plate.

2,550,374

METHOD FOR HANDLING SUSPENSIONS

Jewell S. Palmer, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 1, 1944, Serial No. 543,172
3 Claims. (Cl. 23—1)



1. A method for maintaining a finely divided solid in suspension in a gasiform fluid which comprises forming a plurality of streams of a gasiform fluid the individual velocities of which are such as to give a combined velocity of flow when combined of approximately 18 feet per second, forming a suspension of a finely divided solid in said streams of gasiform fluid, and flowing said suspension through a conduit into a reaction zone through an area of flow, said area of flow being no greater than the area of flow of the conduit times the velocity of one less than the plurality of streams divided by the velocity of said plurality of streams.

2,550,375

KEY HOLDER

Joseph J. Pentek, San Carlos, Calif.

Application March 13, 1950, Serial No. 149,250
2 Claims. (Cl. 70—456)



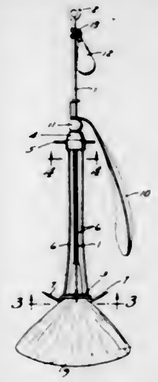
1. A key holder comprising a case having an opening at its forward end, a key carriage slidably disposed therein and having a manual control member extending through a guide slot formed in the case, a spring forming a connection between said carriage and said case operable to urge said carriage rearwardly in the case, catch means carried by the case and adapted to be moved inwardly into the path of movement of said carriage after said carriage has been slidably moved forwardly of said catch means toward the open end of said case to retain said carriage against rearward movement by said spring, and spring means associated with said catch means and said case operable to move said catch means out of the path of said carriage in response to a further forward movement of said carriage to bring said carriage out of engagement with said catch means.

2,550,376

ARTIFICIAL FISH BAIT

Erick B. J. Peterson, Minneapolis, Minn.

Application June 12, 1947, Serial No. 754,200
1 Claim. (Cl. 43—35)



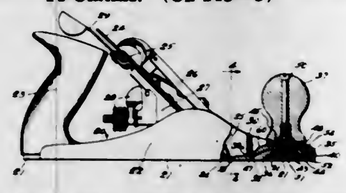
In a device for the class described, a stem provided with a loop at one end for securing a fish line thereto and at its opposite end with an integrally-formed rectangular guide-acting restriction frame which is co-axial therewith, a head mounted for longitudinal sliding movements between the ends of said stem, diametrically-opposed pairs of hook-equipped arms secured to said head and extending outwardly through said frame one each having sliding engagement with a different corner of said frame, said hook-equipped arms being normally bowed from end to end, the hook-equipped free ends of said arms being under spring tension to fly radially outwardly, whereby said arms acting against said frame tend to move the head longitudinally of said stem to the extreme limit of movement in an outward direction.

2,550,377

CARPENTER'S READILY CLEANABLE HAND PLANE

Lawrence E. Pratt, Bedford, Ohio; Amber C. Pratt, executrix of Lawrence E. Pratt, deceased, assignor to Amber C. Pratt, Bedford, Ohio

Application June 2, 1947, Serial No. 751,668
14 Claims. (Cl. 145—5)



1. A hand plane comprising an elongated trough-like metal body having a planing base with an opening therein and side members along the base, a cutting blade assembly and operating handle mounted on the body with the blade projecting through the said opening, a relatively heavy removable plate having transversely offset end portions lying in different planes, one end portion of which plate is adapted to fit and fill in said opening in the base forward of the blade to form a portion of the said planing base, a back stop abutted by the upper side of said one end portion of said plate when the latter is in planing position in said opening in the base, the other end portion of which plate is adapted to overlie the base in advance of said opening and rockably to bear upon the edge of the base at said opening, and clamping means to press the said overlying end portion of said plate toward the base and thereby the other end portion of said plate up against said back stop in planing position in said opening, the widths of said opening in the base and of said plate enabling the said plate when unclamped to be inserted into the plane or withdrawn therefrom from the top side of the plane and to rock about said forward edge of said opening as a fulcrum in being inserted and positioned in or withdrawn from the plane.

2,550,378

WAVE SIGNAL AMPLIFIER, INCLUDING INPUT ELECTRODE CAPACITANCE NEUTRALIZING MEANS

John A. Rankin, Park Ridge, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois

Application February 14, 1946, Serial No. 647,601
9 Claims. (Cl. 179—171)



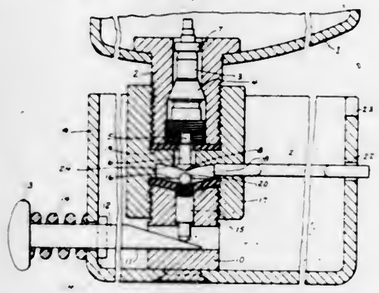
1. A wave signal amplifier comprising an electron discharge tube of the pentode type having an anode, a cathode and a control grid, an input circuit coupled to said cathode and control grid and tuned to a predetermined frequency, an output circuit coupled to said anode and cathode and tuned to said predetermined frequency, a series resonant circuit common to the cathode leg of said input and output circuits and tuned to said predetermined frequency, said series resonant circuit comprising serially related inductance and capacitance elements and having negligible terminal impedance at said predetermined frequency, and means comprising said series resonant circuit and a resistor connected between the junction point of said inductance and capacitance elements and said control grid for substantially neutralizing variations in the input electrode capacitance of said tube without effecting an appreciable loss in the signal translation gain between said input and output circuits.

2,550,379

GAS-OPERATED SPRAY OUTFIT

Edward D. Rapisarda, Agawam, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

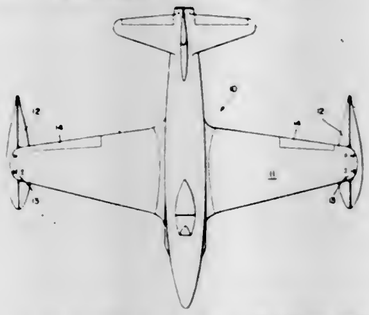
Application September 29, 1945, Serial No. 619,373
1 Claim. (Cl. 299—95)



A fluid releasing device for use with a refillable pressure container having a poppet valve closing an opening therein, to fit as a unit around the poppet valve stem of said opening, said device having a sealing means for fluid tight attachment to the poppet valve, an opening through said sealing means and a fluid discharge passage in the device in communication with said opening, a slidable plunger mounted in the device and movable toward and away from said discharge passage in axial alignment therewith, a flexible dished diaphragm fixed across said passage and separating the passage from said plunger, said plunger having one end thereof lying against the central portion of said diaphragm, the diaphragm having a concave seat centrally thereof and facing the passage in axial alignment with the latter, a ball freely movable on the surface of said diaphragm, said ball centrally of the diaphragm on said seat being engageable for movement toward and away from said discharge passage and in alignment with the longitudinal axis thereof, a manually operable cam member mounted in the device having the cam surface thereof bearing against the outer end of said slidable plunger for reciprocatory movement of the latter against said diaphragm, and a nozzle outlet communicating with said discharge passage for the release of contents admitted to said passage, said ball when located on said concave seat being in axial alignment with said discharge

passage and providing a linkage between said plunger and a valve stem for actuating said stem when the plunger is moved against said diaphragm.

2,550,380
PROGRESSIVE RELEASE JETTISON TANK
John E. Redford, Glendale, Calif., assignor to Lockheed Aircraft Corporation, Burbank, California
Application April 16, 1947, Serial No. 741,869
4 Claims. (Cl. 244—135)



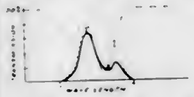
4. A progressive release mechanism for initiating axial rotation in jettisonable objects of circular section suspended externally from an airplane, comprising separate pairs of longitudinally aligned couplings, one pair of couplings being disposed on either side of the center of gravity of the object suspended thereby, means for releasing one pair of couplings at the will of the pilot, and means for sequentially releasing the other pair of couplings, said last mentioned means including a mechanical latch associated with said last mentioned couplings and released by a predetermined axial rotation of the object to be jettisoned.

2,550,381
PHOTOCELL AGING
Auguste Louis Marie Antoine Rouy, New York, N. Y.
No Drawing. Application April 26, 1946, Serial No. 665,327
2 Claims. (Cl. 136—89)

1. The method of bringing selenium photoelectric cells most closely to a permanent average value of electrical variation when exposed to light which comprises aging the cells, while in closed circuit with an external resistance, to a light of such intensity that the current which flows in the circuit equals a density of from 0.1 to 0.3 microamperes per square millimeter of sensitive surface for about eight hours time followed by exposure to complete darkness for about sixteen hours time and alternating the exposure for a period of from ten to forty days.

2,550,382
FILTER FOR COLORIMETERS
Auguste Louis Marie Antoine Rouy, New York, N. Y.
Application May 3, 1946, Serial No. 666,924
3 Claims. (Cl. 88—14)

1. A colorimeter of the type in which a light source causes light to impinge upon a solution and the light transmitted impinges upon a light responsive means governing an electric current indicating device wherein a light filter is interposed between the light source and the light responsive means characterized by the fact that the light filter is one for which the value of i is of the

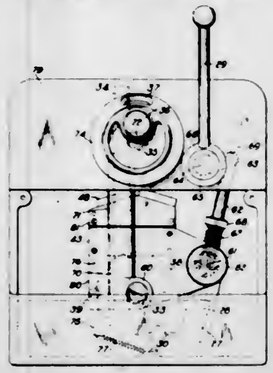


order of zero to about 15 in a case where with a solution of zero concentration of solute I_0 is equal to 100 in the equation

$$i=\frac{I_0 I_2-I_1^2}{I_0+I_2-2I_1}$$

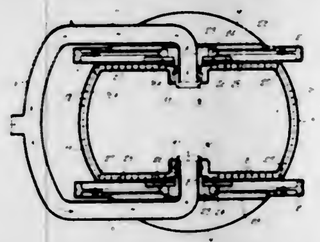
in which i is the intensity corresponding to the non-absorbable light, I_0 is the maximum intensity corresponding to 0 concentration, I_1 is the intensity corresponding to one specific solution, I_2 is the intensity corresponding to a solution of double the concentration of said one solution.

2,550,383
PRESELECTOR MECHANISM FOR EFFECTING GEAR CHANGES
James Selby, Middlesex, England, assignor to Victoria Machine Tool Company Limited, London, England, a British company
Application March 5, 1948, Serial No. 13,178
In Great Britain February 27, 1947
10 Claims. (Cl. 74—335)



1. In combination, a variable speed gear transmission, said transmission comprising gear-change elements shiftable in opposite directions, whose combination of positions determines the speed ratio of said transmission, a structure including a supporting block in which are formed a plurality of plunger spaces, plungers reciprocatable in said spaces, means biasing each plunger to one end of its stroke, means for supplying pressure fluid to said plunger spaces to urge said plungers to move in said plunger spaces in opposition to their biasing means, said plungers consisting of a number of pairs corresponding respectively to said gear-change elements, means whereby one plunger of each pair, by movement in opposition to its bias, moves, by simple abutment, the corresponding one of said gear-change elements in one direction, means whereby the other plunger of said pair, by movement in opposition to its bias, moves, by simple abutment, said corresponding one of said gear-change elements in the other direction, and a selector element mounted on said structure so as to be adjustably movable in a direction transversely to the direction of movement of said plungers, said selector element having holes through it of smaller and larger size, and said plungers having their ends which are towards said selector element of reduced diameter, whereby, according to the position to which said selector element is adjusted, one or more of said plungers may be entirely obstructed by said selector element, one or more of said plungers may pass to the extent of their reduced diameter portions only, through smaller holes, and one or more of them may pass to a greater extent than that of their reduced diameter positions, through larger holes, and thereby the combination of positions to which said gear-change elements are moved, upon temporary supply of said pressure fluid to said plunger spaces, is preselected.

2,550,384
AIR INTAKE MECHANISM FOR AIR FILTER MACHINES
Edgar P. Senné, Rockville Centre, N. Y.
Application December 27, 1948, Serial No. 67,497
6 Claims. (Cl. 183—35)



1. An air filtering machine of the type adapted to be propelled over a floor comprising a pair of wheels and a chassis suspended between said wheels for free rotation about the axis thereof, said chassis including a filter chamber, and a hollow yoke having an inlet port and ends journaled in said machine concentrically with said axis on opposite sides of said chassis, said yoke defining a flow path for the flow of air to be filtered from said inlet port into said chamber.

2,550,385
MEMORANDUM SHEET HOLDER
Herman B. Shepard, Wilkes-Barre, Pa.
Application May 31, 1949, Serial No. 96,306
4 Claims. (Cl. 281—44)



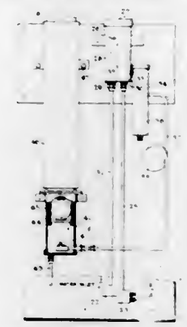
1. A loose leaf container comprising a rectangular pocket portion including front, rear, and side panels and a bottom connecting all of said panels, said front panel having a transverse fold intermediate its length providing a hinged cover flap, and an opening through said cover flap; and a plunger mounted on said front panel below the transverse fold for movement through and out of said opening to maintain said cover flap in an open or closed position.

2,550,386
MEMORANDUM DEVICE
Herman B. Shepard, Wilkes-Barre, Pa.
Application August 30, 1949, Serial No. 113,093
3 Claims. (Cl. 281—44)



1. A loose leaf device comprising a rectangular container including front, rear and side panels and a bottom connecting all of said panels, said front and rear panels each being considerably wider than said side panels, and said front panel being formed with a transverse hinge and an elongated upright slot through said front panel and below said hinge, and a sliding plunger mounted behind the front panel for movement from below to above the hinge, said plunger including an operating portion extending outwardly through the upright slot.

2,550,387
FLOW PROPORTIONING DEVICE
Harry W. Shoaf, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application April 5, 1949, Serial No. 85,621
6 Claims. (Cl. 210—18)



1. In a proportional flow divider the combination of means for supplying water at a varying rate; and a stand pipe open to atmosphere at its upper end and connected to receive the water supplied by said means, said stand pipe having near its lower end a proportioning orifice for discharging an approximately uniform fraction of the quantity supplied, and having a plurality of larger by-pass orifices arranged in vertical sequence in which the orifices diminish in size as their elevation increases and at such rate that they increase the by-pass flow in corrective relation to its lag behind proportionality to head pressure.

2,550,388

SURFACE TREATMENT OF ALUMINUM AND ALUMINUM ALLOYS

Eli Simon, Los Angeles, and Frederic M. Carasso, Pasadena, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.

No Drawing. Application May 12, 1945, Serial No. 593,544
2 Claims. (Cl. 204—58)

1. An electrolyte for the anodic oxidation of aluminum and alloys thereof to produce an absorbent coating, said electrolyte comprising an aqueous solution containing from 10% to 20% by volume of sulfuric acid, and approximately 0.1% by volume of a non-ionic wetting agent consisting of iso octyl species of alkylated phenoxy polyethoxy ethanols.

2,550,389

PROCESS FOR PRODUCING AMMONIA

Armand M. Souby, Wooster, and James C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application March 21, 1947, Serial No. 736,410
2 Claims. (Cl. 23—198)

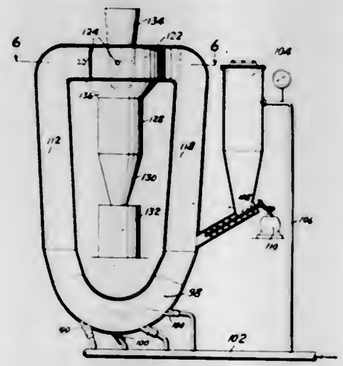
1. A process for synthesizing ammonia which comprises contacting a mixture including hydrogen and nitrogen at a temperature in the range of 350° to 600° F. with a catalyst comprising a mixture of at least one of the sulfides of a metal selected from the group consisting of chromium, molybdenum and tungsten and at least one of the sulfides of the iron group metals, and recovering a product including ammonia.

2,550,390

METHOD FOR TREATING FUEL

Nicholas N. Stephanoff, Philadelphia, Pa., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company, a corporation of Pennsylvania

Application August 25, 1944, Serial No. 551,239
4 Claims. (Cl. 241—1)



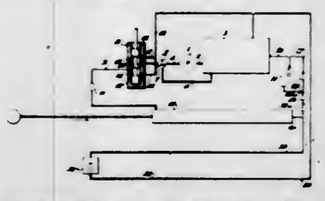
1. The method of effecting separation of solid materials, one of which is capable of disintegration by sudden pressure drop and another of which is not so disintegrated, comprising the steps of producing a suspension of said materials in a fine powder in an elastic fluid at high pressure, suddenly lowering the pressure of said suspension, and then subjecting the suspension after the pressure drop to centrifugal separating action to separate the material disintegrated by the pressure drop from material not so disintegrated, the separation excluding the disintegrated material from recirculation through the pressure drop step.

2,550,391

HYDRAULICALLY OPERATED MACHINE TOOL

Louis G. L. Thomas, Glendale, Ohio, assignor to Liberty Planers, Hamilton, Ohio, a partnership

Application November 3, 1943, Serial No. 508,829
3 Claims. (Cl. 60—52)



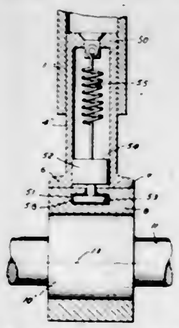
1. A hydraulic actuating system, comprising a hydraulic cylinder and piston slidable therein, a centrifugal pump, a positive displacement pump, a reservoir, means including a valve for directing fluid from said positive displacement pump into the cylinder at one side of said piston to effect an actuating movement in one direction and then to divert the flow of fluid from said pump to said reservoir, means for directing discharge from said centrifugal pump into the cylinder at the opposite end of said cylinder continuously, a check valve in said continuous centrifugal pump discharge line before the inlet to said cylinder to check the return flow to said centrifugal pump, and a metering circuit connected with said cylinder beyond said inlet point for metering the expulsion of oil therefrom under movement of said cylinder effected by introduction of fluid from said high pressure pump.

2,550,392

HYDRAULIC RECIPROCATING PUMP

John Daniel Eldret Venning, Alton, England, assignor to John Venning & Company Limited, Alton, England

Application May 6, 1947, Serial No. 746,215
In Great Britain May 10, 1946
8 Claims. (Cl. 103—211)



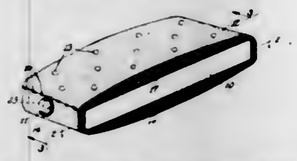
1. In a hydraulic pump, a cylinder, a hollow ram longitudinally movable in said cylinder, one end of the ram being formed with a flat surface transverse to the axis of the ram and cylinder, a driving shaft, an eccentric on said shaft, a big end bearing mounted on and encircling the eccentric and having a flat surface thereon, a resilient connection maintained in tension and completely enclosed within the hollow ram by the big end bearing, means connecting one end of the resilient connection to the interior of the ram at the end of the ram remote from the big end bearing and further means whereby a tensile force is exerted between the other end of the resilient connection and the big end bearing, the flat surface on the end of the ram being thereby held in slidable engagement with the flat surface on the big end bearing.

2,550,393

HAIR REMOVING DEVICE

Hugo Wurfschmit, New York, N. Y., assignor of one-half to Carl E. Carlsen, New York, N. Y.

Application November 12, 1947, Serial No. 785,374
2 Claims. (Cl. 51—187)



1. A hair removing device comprising a substantially rectangular base of semi-soft material, a strip of paper-like material having an abrasive surface upon one side thereof and adapted to be wound a number of times around said base longitudinally, layers of soft material inserted among the layers of said strip, said strip being formed with a plurality of sharply edged holes, the superposed layers of said strip being at one end of the base provided with a plurality of perforations therein, whereby to progressively permit detachment of a layer of said strip, each of said latter layers being at said end formed with a hole in the center thereof, and a headed pin adapted to engage said hole and become embedded in said base, the latter layers being at said end formed with a slit leading from the perforations to said hole, whereby always to facilitate the removal of the outermost layer of the strip.

2,550,394

DISPOSABLE SYRINGE

Howard H. Young, Waukegan, Douglas A. Loper, Hubbard Woods, and Mack R. Fields, Libertyville, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

Application December 9, 1948, Serial No. 64,342
4 Claims. (Cl. 128—218)

1. A unitary disposable medicament syringe and package comprising, in combination: a barrel section having one end open and the other closed; outwardly extending grips on said barrel near the open end thereof; said closed end having a central axial boss; a cannula firmly imbedded in said boss and projecting outwardly; a filler rod obstructing and substantially filling said cannula and projecting beyond the outer end thereof; the projecting end of said filler rod being turned laterally to define a handle easy of access without touching said cannula; a tubular piston rod and housing having a closed end and an open end, said open end having a snug fit on said boss; an outwardly projecting flange around the open end of said piston rod defining a pressure head; said piston rod having a short extension beyond its closed end; a piston, when in package assembly lying intermediate the ends of said barrel to house a charge of medicament between itself and the closed end of said barrel; said piston and piston rod extension having threaded portions to connect said rod to said piston; a charge of medicament in said barrel below said piston; all the parts heretofore recited being in sterile condition; and a wrapper, proof against contamination, enclosing the entirety of said parts; where-



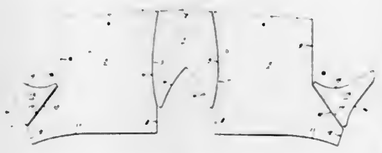
by the user, after removing said wrapping can remove said piston rod from said boss and assemble it with said piston, and remove said filler rod from said cannula, all without touching said cannula or any other part that needs to be kept sterile, until after contact with the patient is finished.

2,550,395

LADY'S UNDERGARMENT

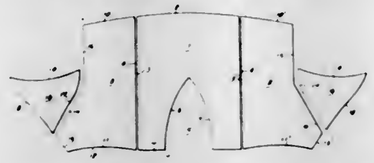
Nat Young, Forest Hills, N. Y.

Application June 2, 1948, Serial No. 30,641
3 Claims. (Cl. 2—224)



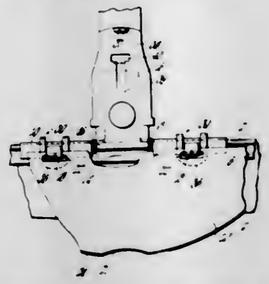
1. A ladies' undergarment comprising a back member having convex sides and an inverted V-shaped notch at the lower end, a pair of side members, each of which has a concave side complementary and attached to said convex side and a vertical side constituting the front centerline of said garment, a diagonal extension on each side member below said front centerline, said vertical sides being secured together, a pair of substantially triangular crotch forming panels, each panel having a substantially straight edge paralleling and attached to the said diagonal extension, the lower portion of the substantially triangular panel having a reverse curve and being attached to the adjacent side of said notch, the upper edge of the panel having a concave curvature terminating in an upwardly extending apex between the concave upper edge and the reversely curved lower edge, the upper concave edge of the said substantially triangular panels being secured together along a straight line culminating at one end in the apices which fit into the V-shaped notch.

2,550,396
UNDERGARMENT FOR LADIES
Nat Young, Forest Hills, N. Y.
Application January 19, 1949, Serial No. 71,609
6 Claims. (Cl. 2—224)



1. A ladies' undergarment comprising a back member having substantially straight parallel sides and an inverted V-shaped notch at the lower end, the apex of said notch being at about the center of said back, the lateral edges of said back adapted to extend around to the side of the wearer, a pair of side members each of which has a straight side complementary and attached to the corresponding lateral edges of said back, the upper part of the opposite edge of said sides being approximately vertical and constituting the front centerline of said garment and the lower part thereof having a diagonal extension constituting the inner leg portion of said garment, a pair of panels, one side of each panel being attached to a side below said front centerline and an adjacent side being attached to the adjacent side of said notch, the upper side of said panels being secured together.

2,550,397
WRINGABLE MOP CONSTRUCTION
John F. Bagley, Jr., South Hadley, Mass., assignor to Stanley Home Products, Inc., Westfield, Mass., a corporation of Massachusetts
Application March 18, 1949, Serial No. 82,245
3 Claims. (Cl. 15—119)



1. A mop construction comprising in combination, an elongated support having opposite longitudinal sides and an elongated guideway therebetween, an elongated mop holder insertable in and withdrawable from said guideway, means for releasably securing said holder in said guideway, pairs of spaced hinge loops at opposite longitudinal sides of said support, a pair of plates each having spaced slots provided on inner longitudinal edges thereof receiving said loops whereby said plates are swingable between upper non-wringing and lower wringing positions, and means yieldably holding said plates in either of said positions, said holding means including spring members extending transversely across and downwardly at said opposite sides of said support having lower portions engaging inner longitudinal portions of said plates.

2,550,398
ANTIBIOTIC COMPOSITIONS
Alfred Barel, Philadelphia, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 17, 1948, Serial No. 15,511
7 Claims. (Cl. 167—58)

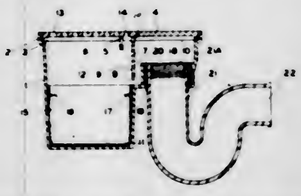
1. An antibiotic composition having substantial stability under normal atmospheric conditions comprising a substantially dry anhydrous mixture of penicillin, a vasoconstrictor and a buffering agent having a neutral to alkaline reaction.

2,550,399
STARTING GATE
Octave Blake, Plainfield, N. J.
Application March 11, 1947, Serial No. 733,845
8 Claims. (Cl. 119—15.5)



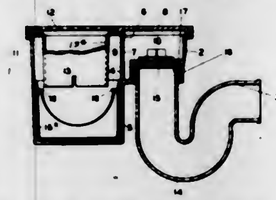
1. In a device for aligning and starting contestants of speed in motion of the type comprising a movable carrier and a starting barrier mounted thereon and actuatable to and from operative position, said barrier comprising at least one telescopic arm having a plurality of cooperating hollow sections and mounted upon said carrier in a substantially horizontal position and transversely to the longitudinal axis of said carrier, whereby said arm may be variably extended at right angle to the direction of movement of said carrier, and actuating means upon said carrier for retracting said arm into collapsed position.

2,550,400
FLOOR DRAIN
Edward W. N. Boosey, Detroit, Mich.
Application April 19, 1946, Serial No. 663,581
4 Claims. (Cl. 210—56)



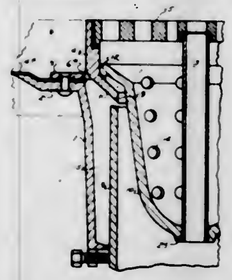
1. A floor drain comprising a body having inlet and outlet chambers, a cover on said body for said chambers, said cover having a depending plate separating said chambers, the lower end of said plate being spaced from the bottom of said outlet chamber defining a fluid passage between said chambers, said plate having an aperture adjacent its lower end, a second plate shorter than said first plate depending from said cover into said inlet chamber in parallel spaced relation to said first plate and having a transverse aperture therein, and a receptacle in the bottom of the inlet chamber the upper end of which is approximately in alignment with the bottom of said outlet chamber, said receptacle providing for the deposit of solid matter therein and permitting free flow of liquid to said outlet chamber.

2,550,401
FLOOR DRAIN
Edward W. N. Boosey, Detroit, Mich.
Application April 26, 1946, Serial No. 665,139
3 Claims. (Cl. 210—56)



1. A floor drain comprising a body having an inlet and an outlet chamber, the inlet chamber being of greater depth than the outlet chamber, a cover on said body for said chambers, said cover having a depending wall separating the inlet chamber from the outlet chamber, the lower end of said wall being spaced from said body defining a passage between said chambers, said wall having an aperture therein permitting flow of liquid from the inlet chamber to the outlet chamber, said cover having a circular opening in the portion thereof covering the inlet chamber, said cover having an inwardly and downwardly extending annular flange adjacent said opening, a tubular inlet member having a grating at its upper end and extending downwardly below said passage, said tubular member having a flange overlying said annular flange, the outlet chamber having an opening in its bottom, and an outlet conduit connected with said opening.

2,550,402
FLOOR DRAIN
Lawrence N. Boosey, Detroit, Mich.
Original application November 1, 1943, Serial No. 508,575. Divided and this application September 24, 1945, Serial No. 618,315
4 Claims. (Cl. 182—31)



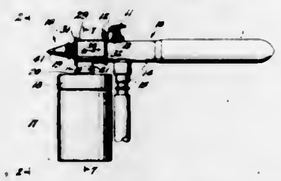
1. A drainage fitting for positioning in a concrete floor comprising a hollow body member having an external flange at its upper end and means at its lower end for centering the same with respect to a drainage conduit, a head having an external flange intermediate its ends overlying and secured to the external flange of said body, a grating removably supported by said head, a seepage apron in said floor positioned between said external flanges and having an opening approximately of the same diameter as the open upper end of said body, said head having a downwardly and inwardly inclined flange at its terminal edge overlying the upper end of the conduit, a basket having an external flange at its upper end supported in spaced relation with the inwardly inclined flange of said head, the basket having a series of openings in its wall and an opening centrally of the bottom thereof, and a tube having one end loosely positioned in an opening provided therefor in said grating and detachably secured at its opposite end to said opening in the bottom of the basket.

2,550,403
TRANSMISSION CONTROLLED BRAKE RELEASE
Thomas J. Carmichael, Walled Lake, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 1, 1946, Serial No. 666,335
9 Claims. (Cl. 192—4)



1. For use on a vehicle having a parking brake with holding means and having vehicle drive ratio changing means, a rotary shaft and connections therefrom to change the vehicle driving ratio in response to shaft rotation, cam means on said rotary shaft, a cam follower rocked thereby and connecting means between said cam follower and said holding means to release the latter.

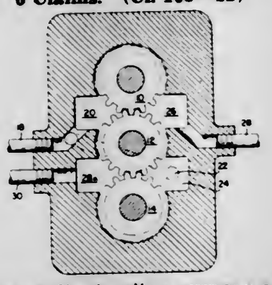
2,550,404
ATTACHMENT FOR AIRBRUSHES
Isaac Chasan, George Chasan, and Simon Chasan, Brooklyn, N. Y.
Application June 19, 1947, Serial No. 755,793
5 Claims. (Cl. 299—88)



5. In combination, an air brush including a barrel and an upstanding pivoted trigger pivoted on an axis at right angles to the axis of the barrel, said barrel having a standard thereon positioned forward of said trigger, a set screw passing through said standard on an axis parallel with the axis of the barrel, said set screw having the rear end thereof in contact with said trigger thereby providing means for limiting the forward movement of said trigger, and a container having a cap thereon, means for attaching said container on said barrel comprising a sleeve slidably mounted on said barrel and having a longitudinal split in the top thereof lying in the same vertical plane as said set screw, the walls of said split

at the rear end of said sleeve being beveled thereby providing a tapering mouth at said rear end of said split, the forward end of said set screw registering frictionally in said mouth upon pushing of said sleeve home in a rearward direction, and means partly on said sleeve and partly on said cap for securing said sleeve to said cap.

2,550,405
INTENSIFIER
Melvin Allen Crosby, Springfield, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application May 9, 1947, Serial No. 746,986
6 Claims. (Cl. 103—11)



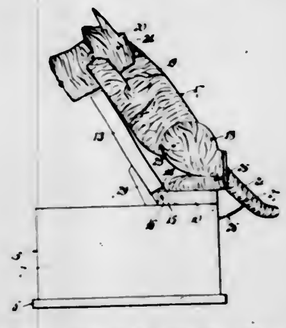
1. In a hydraulic circuit; a pump; a casing having an inlet port connected with said pump, an outlet port adapted for being connected with a load and an exhaust port; means in said casing normally conveying all of the fluid received at said inlet port to said outlet port; means responsive to a predetermined pressure at said outlet port for conveying a portion of the fluid received at said inlet port said exhaust port; and means operated by the said portion of said fluid during its passage from said inlet port to said exhaust port for compressing the remainder of the said fluid to a higher pressure.

2,550,406
EXTREME PRESSURE LUBRICANTS
Elmer B. Cyphers, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 31, 1948, Serial No. 47,137
8 Claims. (Cl. 252—46.6)

1. A composition consisting essentially of mineral base lubricating oil containing 1 to 20% by weight, based on the total composition, of a sulfurized and phosphorized ester of an abietic compound esterified with an aliphatic compound of 12 to 22 carbon atoms, wherein one of said esterifying compounds is a carboxylic acid and the other is an alcohol, said sulfurized and phosphorized ester being prepared by first combining about 91 to 97 parts by weight of the ester with 3 to 9 parts of sulfur and heating to a temperature between about 280° and 450° F. for a period of 1 to 10 hours, and thereafter treating the sulfurized product with about 0.5% by weight of a phosphorus sulfide at a temperature between about 150° and 300° F. for a period of 1 to 24 hours.

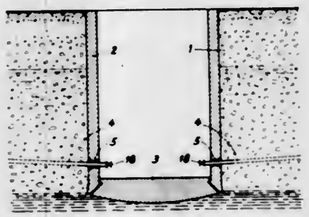
2,550,407
FIGURE TOY
Robert Earl Dorshaw, Philadelphia, Pa.
Application January 7, 1947, Serial No. 720,501
2 Claims. (Cl. 46—116)

1. A device of the character described comprising a normally stationary surface, a movable surface swingingly connected to the stationary surface, a rear section of an image mounted in a normally stationary position on the stationary surface, an intermediate image section pivoted to the rear section above and back of the location of the connection between said surfaces and having a free end resting on the movable surface, a front image section pivoted to the intermediate



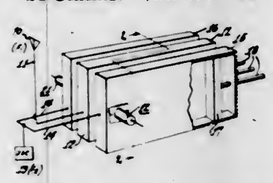
section and also having a portion resting on the movable surface, an appendage image section pivoted to the rear section, and means connecting the appendage section and the movable surface whereby said movable surface will impart an animated appearing movement to the image when the appendage image section is actuated.

2,550,408
METHOD AND DEVICE FOR MAKING WATER-HANDLING INSTALLATIONS AND INSTALLATIONS MADE ACCORDING TO THIS METHOD
Hans Fehlmann, Berne, Switzerland
Application December 26, 1947, Serial No. 794,327
In Switzerland June 14, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 14, 1966
12 Claims. (Cl. 255—1.8)



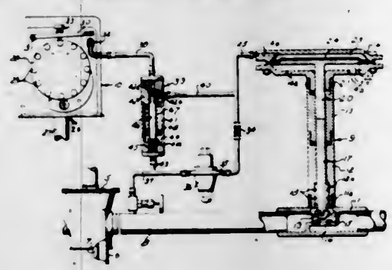
1. In a method of making a water handling installation having a substantially vertical shaft sunk into a water-bearing formation and screening tubes projecting laterally from the vertical shaft, the steps of erecting a vertical shaft; sealing the bottom of the shaft; making a lateral guide opening in the wall of the shaft; introducing an imperforate boring tube carrying a boring head into the guide opening; advancing the boring tube into the water-bearing formation; inserting a perforate screening tube into the imperforate boring tube; separating the boring head from the imperforate boring tube; and withdrawing the imperforate boring tube substantially entirely from the perforate screening tube.

2,550,409
BALANCED DEMODULATOR
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 3, 1946, Serial No. 700,879
24 Claims. (Cl. 250—20)



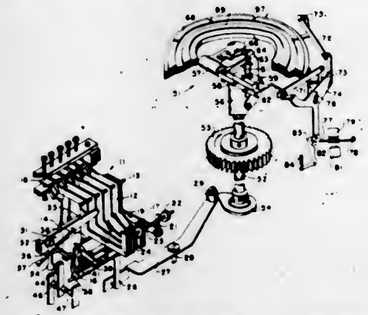
1. A balanced ultra-high-frequency demodulator comprising a resonant cavity, a source of ultra high frequency coupled to said cavity to produce a field therein, a pair of resonant cavities provided with rectifier devices and respectively coupled to said first-named cavity at regions in said first-named cavity where the field energies are in phase opposition and a second source of ultra high frequency coupled to each of said pair of cavities to produce in said pair of cavities fields which are in phase and to produce in said first-named cavity, by its aforesaid coupling with said pair of cavities, fields which mutually cancel.

2,550,410
FLOW CONTROLLER
Henry U. Garrett and Clifford M. Peters, Longview, Tex., assignors, by direct and mesne assignments, to Garrett Oil Tools, Inc., Houston, Tex., a corporation of Texas
Application August 29, 1947, Serial No. 771,159
7 Claims. (Cl. 137—145)



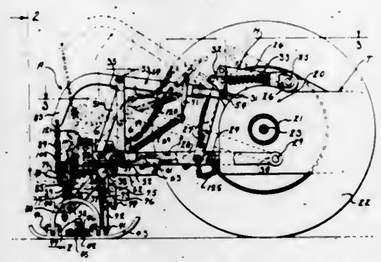
1. A flow controller useable for controlling flow of fluid through a conduit comprising a pressure actuated motor-valve connectable in a conduit, the motor-valve including a part exposed to the pressure of the fluid within the valve and urged thereby in a direction to open the valve, a line connected to the motor of the valve for supplying actuating pressure thereto to hold the motor-valve closed, a vent operably connected to relieve the actuating pressure within the motor of the valve when the vent is opened, a pressure responsive element mounted to control flow through the vent, fittings to supply a control pressure to one face of the pressure responsive element to actuate it when the control pressure exceeds a predetermined value to close the vent, resilient means urging the pressure responsive element toward open position, a time controller mechanism having a part normally closing the vent and adapted to be moved periodically at predetermined time intervals by said mechanism to open position, whereby the motor-valve is normally closed by the actuating pressure when the vent is closed but is opened by the pressure of the fluid within the valve when the vent is open, and the pressure responsive element when actuated to close the vent prevents opening of the valve in response to the time controller mechanism.

2,550,411
DISTRIBUTOR BRUSH CONTROL APPARATUS
Wilbur R. Gemmel, Wheaton, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 28, 1946, Serial No. 650,951
15 Claims. (Cl. 178—53.1)



15. In telegraph apparatus, in combination with a distributor comprising a face plate, brush means for traversing said face plate, means for causing said brush means to traverse said face plate, a signal initiating means comprising tape sensing means and tape advancing means both under the control of said means for causing said brush means to traverse said face plate, means for preventing operation of said tape sensing means and said tape advancing means at a predetermined position of said brush means traversing said face plate, means associated with said distributor for causing said brush means to be raised out of engagement of said face plate, and means operated by said means for preventing operation for causing operation of said brush raising means.

2,550,412
ROCKABLE MOUNT FOR BREAKBACK MOWERS
Chester Girardi, Newton, Wis., assignor to H. G. & S. Manufacturing Corp., Newton, Wis., a corporation
Application June 30, 1948, Serial No. 36,110
2 Claims. (Cl. 56—25)



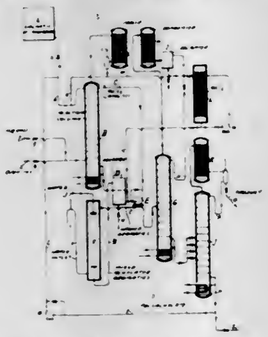
1. The combination with a tractor having an implement hitch including swinging draw bars

and means for raising and lowering the draw bars, of a mower attachment for the tractor including a frame extending transversely of the tractor, means rockably connecting the frame to the draw bars for raising and lowering movement therewith, said frame being adapted to swing in a horizontal plane independent of the draw bars, a mower bar hingedly carried by one end of the frame for vertical swinging movement thereon, means for automatically swinging the mower bar to an inoperative angular position upon the raising and lowering of the frame including a double armed lever rockably mounted intermediate its ends on the frame, means operatively connecting the lever with the mower bar, a bell crank, means operatively connecting one arm of the two armed lever to the bell crank, a lift lever rockably mounted on the tractor above the frame and extending over said frame, means connecting the frame to the lever intermediate the ends of the lever, means operatively connecting the extreme outer end of the lever to the bell crank, a rotatable cam on said frame, means operatively connecting the cam to the other arm of the two armed lever, means for operating the mower bar including a clutch and a drive shaft, said clutch having means for automatically disengaging the drive to the mower bar when the mower bar swings in a horizontal plane with said frame or in a vertical plane independent of said frame including a hub movable with the drive shaft having a ratchet wheel, a driven member rotatably mounted on the hub, a dog carried by the driven member normally engaging the ratchet wheel, a finger movable with a dog, a push ring slidable longitudinally of the shaft having a beveled face for movement toward and under the finger and away from the finger, a disc slidable on the frame having a cam lug normally engaging a low part of the cam and arms connecting the disc with the push ring whereby upon movement of the disc under influence of the cam said ring will be actuated.

2,550,413
ALKYLATION PROCESS

André Gislon, Paris, France, assignor to Compagnie Française de Raffinage (Societe Anonyme), Paris, France, a company of the French Republic

Application December 15, 1945, Serial No. 635,243
In France December 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 18, 1963
5 Claims. (Cl. 260—671)

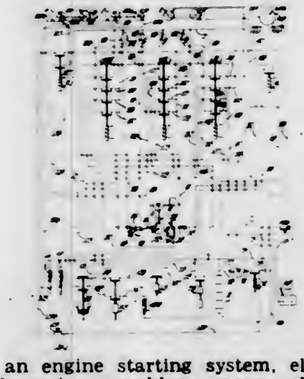


1. A method for alkylating benzene to yield a high proportion of monoalkylate to polyalkylate which comprises establishing and maintaining an elongated reaction zone, supplying liquid-phase Friedel-Crafts type catalyst and liquid benzene to an upper portion of the zone, maintaining said upper portion of the zone at the boiling temperature of the liquid reaction mixture therein, supplying a normally gaseous monoolefin to a lower portion of said zone, passing said olefin upwardly through said zone to react with said benzene and yield a liquid reaction mixture containing monoalkylate and polyalkylate as well as unreacted liquid, conducting said liquid reaction mixture from the upper portion of the zone to the lower portion of the zone, maintaining the lower portion of the reaction zone at the boiling temperature of the liquid reaction mixture therein, passing hot vapors yielded in the lower portion of the zone to the upper portion of the zone, and removing liquid reaction mixture from the zone.

2,550,414
AUTOMATIC ENGINE STARTING EQUIPMENT

Harold G. Haines, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 24, 1949, Serial No. 95,099
10 Claims. (Cl. 290—38)



9. In an engine starting system, electrically operated engine cranking means, electrically operated means to increase the engine fuel for starting the engine, electrically operated engine speed setting means to control the speed of operation or shut down of the engine, an electrical power source, and power circuit connections and switching means interconnecting the power source and said electrically operated means, said switching means including an electric motor operated cam switch to control intermittent operation of the engine cranking and fuel varying means, engine speed responsive means to disconnect the motor operated cam switch upon starting of the engine and a control switch movable to a closed position to control operation of the engine speed setting means and the motor operated cam switch to cause starting and operation of the engine, said control switch being movable to an open position to disconnect the engine speed setting means in order to cause shut down of the engine.

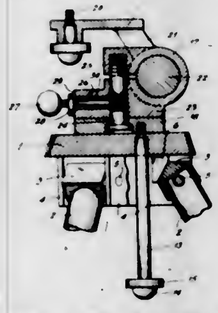
2,550,415
TRIPOD FOR PHOTOGRAPHIC PURPOSES

George Charles Kammermeyer, St. Louis, Mo.

Application March 18, 1946, Serial No. 655,116
5 Claims. (Cl. 248—183)

1. In a tripod or the like, a head, a platform, and means attaching the head to the platform

for rotation about two axes, including an intermediate member between the head and the platform, the member having a split sleeve, a cylinder on the platform rockably mounted in the sleeve, a screw extending through the base and rotatively mounted therein, means limiting axial movement of the screw in the base, the screw



extending through both elements of the split sleeve, and threadedly engaging the one nearer its end, whereby when the screw is tightened it will clamp the split sleeve around the cylinder and will clamp the base and intermediate members against the base, and a handle on the screw spaced from its threaded end.

2,550,416
HYDROCARBON SYNTHESIS CATALYST

Charles N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application May 21, 1946, Serial No. 671,415. Divided and this application March 20, 1947, Serial No. 736,116
2 Claims. (Cl. 252—441)

1. An improved powdered iron catalyst adapted for use in the synthesis of hydrocarbons by the reduction of the oxides of carbon with hydrogen, which catalyst is derived from one of the class consisting of red iron oxide and magnetic iron oxide, further characterized in those features consisting in that the catalyst is bonded together by means of an alkali metal silicate, contains a promotional amount of an alkali metal fluoride, is heat treated in the oxide form at a temperature within the range of from about 1100° to 1600° F., is further subjected to a reduction treatment in which the said iron oxide is substantially completely reduced to the metallic state and is further characterized in that the catalyst composition is ground to an average particle size adapted for good fluidization.

2,550,417
NOVELTY PAPERBOARD CARTON

Clarence F. Klein, Columbus, Ohio, assignor to Frankenberg Bros., Inc., Columbus, Ohio, a corporation of Ohio

Application May 24, 1948, Serial No. 28,815
5 Claims. (Cl. 229—8)

1. A novelty packaging carton formed from an integral paperboard blank shaped to comprise: a front wall composed of superposed and adhesively bonded inner and outer panels, a back wall composed of superposed adhesively bonded inner and outer panels, a top panel foldably joined at the edges thereof with the inner panel of the front wall and the outer panel of the back wall, a bottom wall foldably joined along its longitudinal edges with those of the inner panels of both said front and back walls, foldable end flaps projecting longitudinally from the ends of said top and bottom panels and the contiguous ends of the outer panel of the back wall, the outer panels of said front and back walls possessing a greater area than the adjoining inner panels so that the

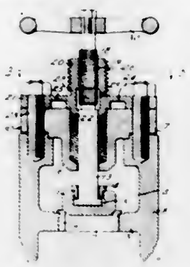


same extend below said bottom wall, and a single base panel foldably and integrally joined along both its longitudinal edges with the extended lower portions of the outer panels of the front and back walls, said base panel when the carton is folded and set up for use being horizontally disposed to maintain the carton in a stable upright position on a supporting surface.

2,550,418
VALVE

Karl MacDonald, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application October 5, 1945, Serial No. 620,480
10 Claims. (Cl. 251—49)



1. In a valve, a housing, an attaching body attached to said housing, packing in said attaching body a packing follower attached to said housing and engaging said packing, a valve stem extending through said packing and movable in the follower and housing, an internally threaded sleeve extension formed on said follower, said valve stem having a threaded portion engaging in said threaded sleeve extension, said sleeve extension having a plurality of fins radiating from its outer surface to form heat dissipating means.

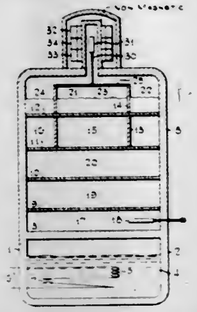
2,550,419
INDUSTRIAL INFRARED ANALYZER

George A. Martin, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 1, 1950, Serial No. 141,616
3 Claims. (Cl. 250—43)

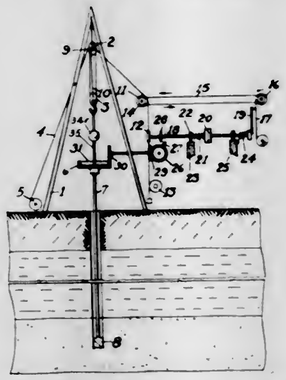
1. Infra-red analytical apparatus comprising an infra-red emitting plate, a series of fluid cells including infra-red transparent windows parallel to and adjacent the emitting plate, said cells being arranged so as to divide the radiation passing from said plate into a central beam and an an-

nular beam substantially equal in cross-sectional area and an infra-red detector positioned in both



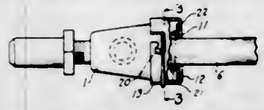
the said central and annular beams of infra-red energy emitted from said plate, and passing through said cells.

2,550,420
DRILLING RATE LOGGER
Eugene M. McNatt, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1947, Serial No. 790,179
3 Claims. (Cl. 346—39)



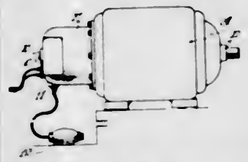
1. Apparatus for continuously logging the rate of penetration of a drill in oil drilling operations utilizing a derrick supporting a crown block, a travelling block, and a rotary table, comprising a record paper, driving means for said record paper, a recording pen adapted to contact said record paper, a shaft supporting said pen and adapted on rotation to move said pen across said paper, a second shaft, clutch means disengageably joining said first and second shafts, means adapted to rotate said second shaft, spring means normally urging said pen in one direction, a pulley attached to said crown block, wire line tension means, a wire line attached at one end to said travelling block, passing over said pulley, attached at its other end to said wire line tension means, and adapted to actuate said paper driving means and said rotating means for said second shaft in proportion to linear motion of said wire line, clutch disengaging means for said clutch means, and means adapted to actuate said clutch disengaging means periodically in relation to a predetermined number of rotations of said rotary table.

2,550,421
LOCK FOR VALVE CAPS OR THE LIKE
Ervin H. Mueller, Grosse Pointe, Mich.
Application September 9, 1946, Serial No. 695,791
3 Claims. (Cl. 285—175)



1. In a coupling between a body member and a second member arranged to telescopingly fit the member, one of the members having oppositely disposed lugs, the other member having oppositely disposed bayonet-type slots for receiving the lugs, each bayonet-type slot having an abutment for the lug received thereby and a passage for movement of the lug into and out of a position of engagement with the abutment, and a locking element of spring wire-like material having a body portion, a hook formation at one end of the body formation for engaging in one bayonet slot, a second hook portion at the other end of the body member for engaging in the opposite bayonet type slot, and an extension on one hook member for lying in a bayonet type slot and serving to restrict said passage and thereby prevent the lug from moving out of locked engagement with the abutment.

2,550,422
FLUID OPERATED CONTROL MECHANISM FOR ELECTRIC MOTORS
James M. Naul, Plainfield, N. J.
Application July 14, 1949, Serial No. 104,610
8 Claims. (Cl. 318—335)

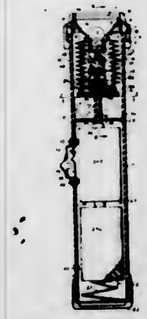


1. The combination with an electric motor speed controlling system including an armature, a commutator and brushes shiftable relatively thereto, of a ring rotatable coaxially relatively to said commutator and on which said brushes are mounted, conductors each having one end connected to one brush for electrically connecting said brushes in the motor circuit, a fluid pressure operated motor, an operative connection between said motor and said ring for rotating said ring, and means controlling the application of fluid pressure to said motor.

2,550,423
EXTENSIBLE FLASHLIGHT
Milton A. Nelson, Rockford, Ill.
Application September 19, 1946, Serial No. 697,928
10 Claims. (Cl. 240—10.6)

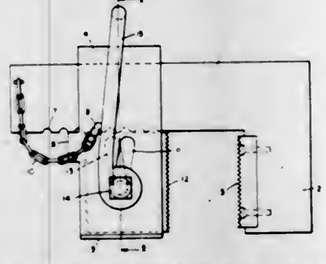
1. A flashlight comprising a casing shaped to receive a battery, a light assembly including a bulb movable between a position in which the assembly is adjacent the casing and a position in which the assembly is disposed in spaced relation to the casing, a pair of extensible metal tapes mounted on said casing and having an end mounted in the casing and an end attached to said light assembly, said tapes being movable between a retracted position and an extended

position in which the ends of the tapes attached to the assembly are disposed in spaced relation to the casing, said tapes being formed from relatively thin flexible material and having an arcuate shaped cross section and positioned so



that corresponding surfaces on the tapes face each other to impart rigidity to the tapes when the latter are in an extended position for supporting the light assembly in spaced relation to the casing, and means for electrically connecting said bulb to said battery.

2,550,424
POSITIVE GRIP LIFTING TOOL
Penn W. Penn, Ravenna, Ohio
Application October 19, 1948, Serial No. 55,387
12 Claims. (Cl. 294—103)

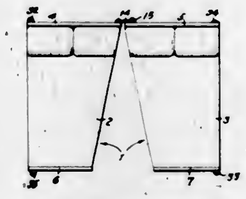


10. A lifting tool comprising a rail, a fixed jaw member on said rail and laterally offset therefrom, a jaw holder movable along said rail toward and away from said fixed jaw, means adapted to secure said holder in selected position along said rail, a movable jaw member carried by said holder opposed to said fixed jaw and mounted for straight line reciprocation toward and away therefrom, a cam slot through said reciprocable jaw member inclined to the face thereof, a corresponding cam slot in said jaw holder but inclined in the opposite direction, and a lifting pin through said slots operative, upon the application of a lifting force thereon, to urge said reciprocable jaw member toward said fixed jaw member.

2,550,425
SUPPRESSION OF CORROSION
Cecil Phillips, Jr., Baytown, Tex., assignor to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application June 20, 1947, Serial No. 756,111
5 Claims. (Cl. 23—1)

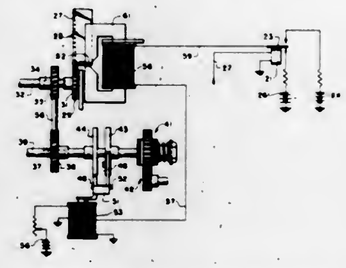
1. A method for reducing the corrosive action of a corrosive basic solution including ammonia, water and oxygen to apparatus adapted to contain corrosive fluids and having a corrodible copper-containing surface in contact with said solution which comprises introducing into said solution an amount of a halogen acid sufficient to inhibit the corrosion thereof but insufficient to neutralize the solution.

2,550,426
BED
Charles H. Phillips, Richmond, Va.
Application December 13, 1948, Serial No. 64,928
6 Claims. (Cl. 5—8)



6. A pair of bed sections of trapezoidal shape in plan, each comprising a headboard, a footboard, each said footboard being of materially less length than its headboard, means connecting each said headboard and said footboard in spaced parallel relation, comprising, a first side rail rigidly connecting corresponding ends of each respective headboard and footboard and being related at right angles thereto, a second rail rigidly connecting the remaining ends of each respective headboard and footboard, each said second rail being of a length substantially equal to the length of its first side rail times the secant of the angle between its first and second side rails, each said section being a mirror duplicate in plan of the other, and means connecting said sections with their second and longer side rails adjacent and diverging at an acute angle from the headboards to the footboards.

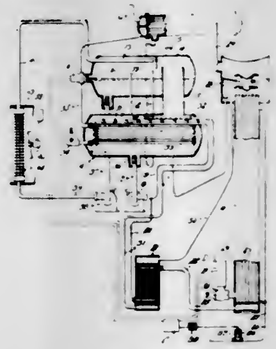
2,550,427
MAGNETIC RECORDING AND TRANSMITTING SYSTEM
Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 11, 1947, Serial No. 754,032
4 Claims. (Cl. 178—17)



1. In magnetic recording apparatus, a source of code signals, means conditioned by each component of said code signals, a recording magnet,

a medium to be magnetized, means to advance said medium past said magnet to be magnetized in accordance with said code signals, and means for completing an energizing circuit from said conditioned means to said recording magnet at predetermined intervals with respect to the duration of each component of said code signals and in accordance with the characteristic of each such component.

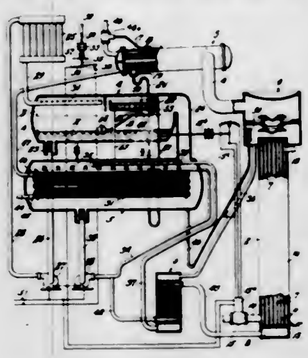
2,550,428
CONTROLLED ABSORPTION REFRIGERATION SYSTEM
John G. Reid, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 18, 1946, Serial No. 716,993
10 Claims. (Cl. 62—5)



1. In combination, refrigeration apparatus including an evaporator, control means for starting and stopping a cycle of operation of the refrigeration apparatus and varying the rate of operation of the refrigeration apparatus during a cycle of operation, a controller responsive to a temperature affected by the evaporator and connected to actuate the control means for starting and stopping operation of the refrigeration apparatus, and a second controller responsive to the amount of refrigerant in the evaporator and connected to actuate the control means for regulating the rate of operation of the refrigeration apparatus.

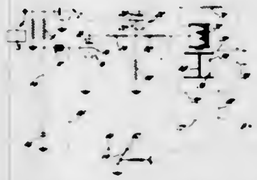
2,550,429
REFRIGERATION SYSTEM WITH EVAPORATOR REFRIGERANT CONTROL
John G. Reid, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 2, 1947, Serial No. 719,872
8 Claims. (Cl. 62—5)

1. An absorption refrigeration system having a plurality of interconnected elements including an evaporator containing a body of refrigerant, a cooling element remote from the evaporator, an auxiliary circuit connecting the evaporator and cooling element for circulating refrigerant through the cooling element, a heat operated generator in said system for expelling refrigerant from absorption solution and connected to deliver additional refrigerant to the body of refrigerant in the evaporator, and control mechanism operated in response to variations in the liquid level of the refrigerant in the evaporator for regulating the amount of additional refrigerant delivered to the evaporator whereby to limit the



amount of refrigerant out of solution in the system.

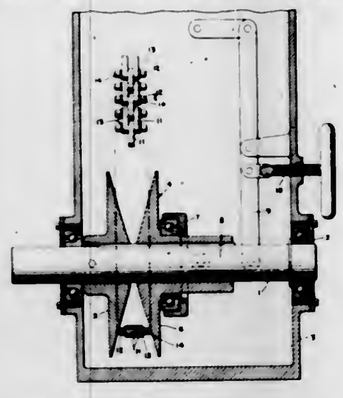
2,550,430
ELECTRONICALLY CONTROLLED TUNER
Bertram A. Schwarz and James H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 5, 1947, Serial No. 759,042
13 Claims. (Cl. 250—40)



1. In radio receiving apparatus having radio frequency amplifier and detector circuits, a control circuit connected to the detector and to the amplifier for feeding back a portion of the detected signal to the radio frequency amplifier to maintain the output substantially constant, power actuated tuning means to repetitively tune the receiver over a predetermined portion of the frequency spectrum which contains a plurality of desired signals, switching means connected to the power actuated tuning means to control the same, control means connected to said feed back circuit and to the switching means and operated by the signal strength or said feedback circuit to stop the power actuated means on station, said control means including time delay means to prevent stopping operation of said control means for a predetermined time and thus prevent inaccurate stopping on weak stations.

2,550,431
VARIABLE-SPEED TRANSMISSION CHAIN
Louis Eaton Shaw, Newark, N. J.
Application September 10, 1948, Serial No. 48,629
21 Claims. (Cl. 74—230.17)

1. In a power transmitting chain for use in connection with variable pitch diameter sheaves of a variable speed transmission, a plurality of pins, a plurality of connecting links, said pins projecting laterally through said links and an appreciable distance beyond the sides of the links, the ends of said pins being conical in shape and

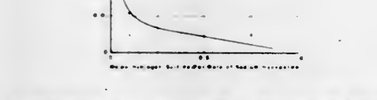


snap rings on said pins for limiting axial movement of the pins relative to the links.

2,550,432
PROCESS FOR RECOVERY OF HYDROCARBON OIL FROM SHALE
William I. Thompson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 10, 1944, Serial No. 548,884
2 Claims. (Cl. 202—14)

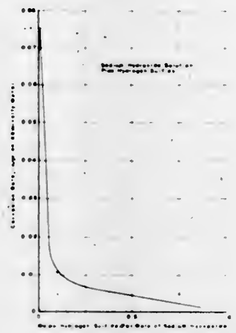
1. In the continuous process of recovering hydrocarbon oil from oil-bearing minerals by distilling said minerals in a fluidized bed of solids maintained in a distillation zone, withdrawing spent solid residue, burning withdrawn residue with a combustion-supporting gas in a fluidized bed maintained in a combustion zone, and returning heated residue from said combustion zone to said distillation zone to supply heat to the latter, the improvement which comprises preheating said combustion-supporting gas in direct contact with hot fluidized solid distillation residue withdrawn from said distillation zone, carrying out said burning in two separate superimposed fluid beds within said combustion zone, vaporizing a liquid by heat exchange with the upper one of said superimposed beds, transferring substantially all the heat generated in the lower one of said superimposed beds to the materials forming said lower superimposed bed, withdrawing all of said returning heated residue from said lower superimposed bed, cooling the volatile effluent of said distillation zone just sufficiently to condense a heavy oil fraction, mixing said returning heated residue with said minerals and said condensed oil fraction outside said zones to vaporize said oil fraction and to form a dilute solids-in-gas suspension, and passing the suspension so formed to said distillation zone.

2,550,433
SLING KEEPER LOCK
Ralph S. Tichenor, Fort Lauderdale, Fla., assignor to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois
Application July 12, 1949, Serial No. 104,319
5 Claims. (Cl. 224—1)



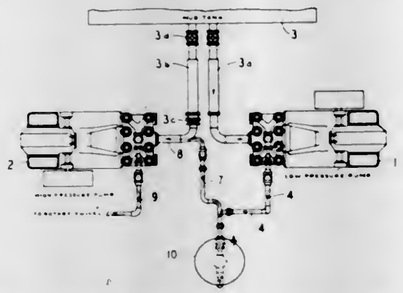
5. A keeper lock for use with a rifle sling having a portion doubled on itself to form an arm receiving loop and a keeper slidably mounted on the sling for varying the size of the loop, the keeper lock being in the form of an elongated block fitted between the two plies with a wedge edge at one end for advance to a position within the confines of the keeper, the block face adjacent one ply being formed with a shoulder and its opposite face being arched, and means carried by the block engaging the sling ply adjacent the shoulder to force a deflection of the ply at that point, the arched face of the block forcing a like deflection in the other ply of the sling whereby the frictional retention of the block in a given position of adjustment lengthwise of the sling is enhanced.

2,550,434
SUPPRESSION OF CORROSION
Prentiss S. Viles and David C. Walsh, Jr., Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 2, 1945, Serial No. 602,860
3 Claims. (Cl. 23—184)



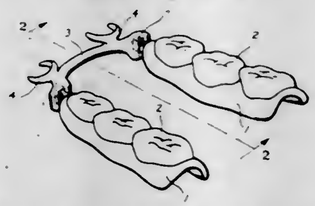
1. A method of inhibiting the corrosiveness of a corrosive solution consisting of an alkali metal hydroxide and water in contact with a corrodible copper surface which consists in the step of maintaining in said corrosive solution while in contact with said corrodible copper surface an amount of combined hydrogen sulfide in an amount at least 0.1 mole per mole of alkali metal hydroxide and less than required to neutralize all the alkali metal hydroxide.

2,550,435
AIR CHAMBER FOR SLUSH PUMPS
Herbert L. Willke, Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1947, Serial No. 783,358
1 Claim. (Cl. 103—11)



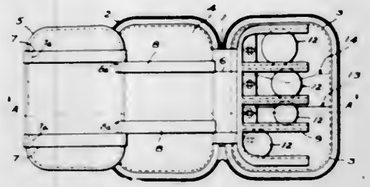
In a means to combine the output of two reciprocating liquid pumps wherein a first pump having a rate of discharge varying within one cycle discharges to a second pump having a suction rate varying within one cycle, said pumps being independently and positively driven so that the average discharge volume of said first pump in any one cycle equals approximately the average suction volume of the second pump during the same cycle, the improvement comprising an air chamber containing air initially at atmospheric pressure interposed between the discharge of said first pump and the suction of said second pump, said air chamber having a volume expressed in cubic inches of air at atmospheric pressure at least equal to about 1.5 times the maximum volume of liquid accumulating (and discharging) during one cycle of operation by reason of the varying discharge and suction rates of said two pumps times the rated pressure of said first pump in atmospheres.

2,550,436
ARTICULATED DENTURE
Jack M. Yates, Seaside, Oreg.
Application March 8, 1948, Serial No. 13,602
7 Claims. (Cl. 32—5)



1. A denture comprising, a saddle member, means for anchoring said saddle to a natural tooth, and articulating means for connecting said saddle member and said anchoring means, said means comprising, a tongue secured to the end of one of said members, an enlarged free end on said tongue forming an elongated head the longitudinal axis of which extends normal to the plane of said members, and an elongated socket in the end of the other of said members arranged and positioned to receive said head for independent universal movement thereof except rotation of said tongue about its longitudinal axis.

2,550,437
SELF-CLOSING BILLHOLDER
Maurice M. Yates, Greenville, Tenn.
Application March 29, 1947, Serial No. 738,153
4 Claims. (Cl. 150—38)



1. In a billfold, a stiff, flat, back member and a stiff, flat, cover member connected to one another swingably in either direction around a lateral edge as an axis by means of a plurality of transverse flexible elastic tapes attached to the back and cover members, each tape being attached adjacent to a lateral edge of the back member, then passing across an inner face and being attached to the inner face of the cover member a short distance away from the opposite lateral edge of the cover member.

2,550,438
STABILIZED PARAFFIN WAX
Herman J. Zoeller, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 7, 1947, Serial No. 733,187
2 Claims. (Cl. 106—270)

1. A refined colorless paraffin wax of a melting point of about 132° F. which has been treated with concentrated sulfuric acid and has incorporated therein about 0.001 to about 0.05% of a polydimethyl siloxane having the following properties:

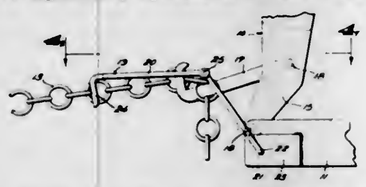
Viscosity	50–1000 centistokes at 25° C.
Freezing point	Not greater than −50° C.
Specific gravity	0.968–1.001 at 25° C.
Refractive index	1.4030–1.427 at 25° C.
Flash point	530–640° F.

2,550,439
PRODUCTION OF UNSATURATED ORGANIC COMPOUNDS
Robert L. Adelman, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 20, 1950, Serial No. 139,792
4 Claims. (Cl. 260—483)

1. The process which comprises reacting a vinyl ester in the presence of a mercuric salt of a strong acid with an organic compound having the group —CH, which compound is capable of reacting with an alkali metal alcoholate to replace the hydrogen atom of said group with alkali metal.

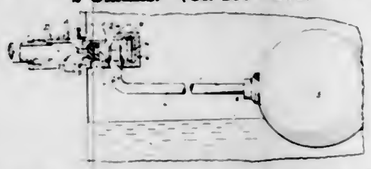
2,550,440
TAKE-UP DEVICE
William H. Atkisson, Monrovia, Calif.
Application December 12, 1947, Serial No. 791,410
2 Claims. (Cl. 254—78)

1. A take-up device of the character described, comprising a body section adapted to extend alongside a work unit and attachable to one end of a chain extending about the work, said body having a first side adapted to face the work, a handle section connected to the body for swinging movement at a second side thereof opposite said first side, a hook pivotally connected to the handle section and engageable with an opposite end of the chain, said hook being movable longitudinally of the body to tighten said chain about the work by swinging the handle along said second side of the body, and a holding claw pivotally attached to the body and engageable with successive lengths of the chain to hold the chain in tightened condition about the work between successive tightening operations of said hook, said



claw having a hinge joint intermediate its ends at which the claw flexes during a tightening operation, said hinge joint of the claw being received in a first normal position in the extended condition of the claw, said hinge joint being movable upon flexure of the claw during a tightening operation outwardly away from the work and beyond the chain to a location at the side of said normal position and the chain corresponding to said second side of the body, said hook and the handle section being positioned during a tightening operation out of the path which the hinge joint and other portions of the claw, while the claw is connected to the chain, follow in moving away from the work and outwardly beyond the chain.

2,550,441
AUTOMATIC VALVE
Leslie C. Barling, Johannesburg, Transvaal, Union of South Africa
Application August 27, 1948, Serial No. 46,425
In the Union of South Africa April 7, 1948
2 Claims. (Cl. 137—104)

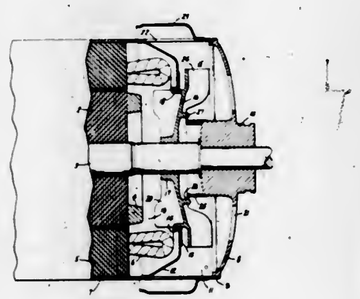


1. An automatic valve for admitting a predetermined quantity of liquid into a container, comprising a tubular body part having a transverse partition provided with an axial bore and an inlet thereto and an outlet therefrom, a float operated actuating lever, a closure member pivotally mounted on one end portion of said actuating lever and arranged to be reciprocated within said body part so as to prevent or permit flow of liquid from said inlet through said axial bore to said outlet as may be required, the wall of said body part having a longitudinal slot therein which extends form a point on the outlet side of the transverse partition and which is open at that end of the wall remote from the inlet, said end portion of said actuating lever projecting through said slot, a removable cap attached to said body part and closing the open end of the slot thereby preventing separation of the lever endwise of the slot, said lever having flat faces which abut the sides of the slot, and said lever also having radiused shoulders at the upper extremities of said flat faces to conform with the movement of the aforesaid end portion of the lever and to prevent the lever from dropping out, the width of the lever adjacent said flat faces being increased in a fore and aft direction, and the pivotal points of the lever in the slot being the points of contact between the circumference of the bulge thus created and the end of the slot and the cap, depending upon the movement of the lever.

2,550,442
PREPARATION AND USE OF SYNTHESIS CATALYSTS
Roland A. Beck, Glenham, and Eugene E. Sensel and Alfred J. Millendorf, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 4, 1946, Serial No. 639,166
2 Claims. (Cl. 260—449.6)

1. In the hydrogenation of carbon monoxide to produce hydrocarbons, oxygenated hydrocarbons and the like, the method which comprises maintaining in a reaction zone a catalyst prepared by forming a solution of nitrates of cobalt, magnesium and thorium, said solution containing a supporting material; treating said solution with ammonium carbonate so as to form a precipitate comprising metal carbonates deposited on said supporting material; removing excess water from said precipitate; drying said precipitate; reducing said precipitate with hydrogen at a temperature within the range of 650 to 700° F. to form an active solid catalyst; passing carbon monoxide and hydrogen into contact with the resulting fresh catalyst prior to any use in the synthesis of hydrocarbons, at a temperature of approximately 300° F., and gradually increasing the temperature of the carbon monoxide and hydrogen passed into contact with the catalyst over a period of about six hours to a temperature at which conversion of the carbon monoxide and hydrogen into desired compounds occurs.

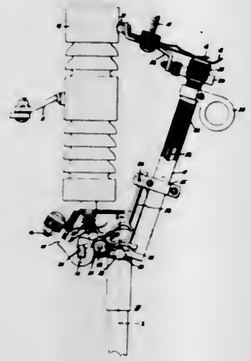
2,550,443
DYNAMOELECTRIC MACHINE
Maurice E. Bennett, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application April 26, 1950, Serial No. 158,277
2 Claims. (Cl. 171—252)



1. In a dynamoelectric machine having a rotor mounted on a shaft, a bearing for rotatably sup-

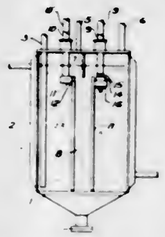
porting said shaft, a fan mounted on said shaft, and an annular baffle member having one end secured to said bearing and its other end extending toward said fan, said baffle member having an outwardly extending flange portion formed at said other end, said fan having an annular flange portion formed thereon extending toward said bearing, said annular flange portion surrounding and overhanging said outwardly extending flange of said baffle forming a running seal therewith whereby dirt is prevented from entering said bearing.

2,550,444
CIRCUIT INTERRUPTER
Ralph S. Bennett and Charles F. Passe, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application March 17, 1950, Serial No. 150,278
1 Claim. (Cl. 200—127)



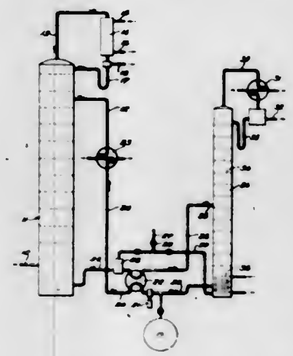
An electric circuit interrupter comprising an expulsion tube having a contact at one end thereof, the opposite end of said tube being open, a hook type bearing member, a hinge element, said tube mounted on said hinge element, said hinge element having a portion laterally positioned with respect to said expulsion tube provided with trunnions adapted to be inserted in the hooks of said bearing member, a conductor having a mechanically weak section mounted in said expulsion tube with one end of the conductor connected to said contact and the other end extending out of said open end of said tube transversely to the longitudinal axis thereof toward said laterally positioned portion of said hinge element and secured thereto, said laterally positioned portion of said hinge element having a web portion extending normally with respect to the axis through said trunnion toward and engageable with said expulsion tube, said web portion being sufficiently spaced from said transversely extending conductor to define a free space therebetween for the insertion therein of the hook portion of a switch stick and defining a surface projecting transversely to and a predetermined distance from a plane passing through said tube axis so as to substantially overhang said conductor and normal to said trunnion axis to serve as a fulcrum for the hook of said switch stick to permit the application of a force through a lever arm to said transversely extending portion of said conductor whereby said conductor may be manually broken at said mechanically weak section.

2,550,445
ELECTROLYTIC CELL WITH WELDED ANODE ASSEMBLY
Anthony F. Benning and Robert C. McHarness, Woodstown, N. J., and Melbourne K. Richards and George W. Feldmann, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application July 17, 1945, Serial No. 605,544
1 Claim. (Cl. 204—247)



In an electrolytic cell for the generation of fluorine comprising a single vertical plate type cathode and an anode comprising a nickel plate attached to a single surface of an anode support, said anode support comprising a substantially horizontal iron bar extending substantially completely across one face of said anode and welded to the nickel anode by substantially continuous welds along the horizontal edges of the bar near the top of the anode and on the side of the anode remote from the cathode, and a copper electrical connector comprising a vertical copper rod extending up through the top of the cell, and united to a horizontal copper bar bolted to the iron anode-supporting bar.

2,550,446
EXTRACTION OF ACIDIC CONSTITUENTS FROM GASES
Clyde L. Blohm, Los Angeles, Fred C. Riesenfeld, Hollywood, and Henry D. Frazier, Alhambra, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application May 19, 1947, Serial No. 749,047
10 Claims. (Cl. 23—2)

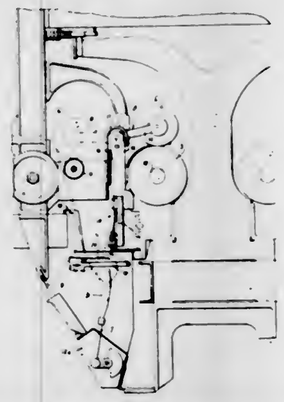


1. The method of treating a gas for dehydration and removal of carbon dioxide contained therein, that comprises contacting the gas with a solution containing an amine, water, a polyhydric alcohol and an organic diluent of the class consisting of monohydric aliphatic alcohols, aromatic and alicyclic monohydric alcohols, heterocyclic monohydric alcohols, water soluble ethers of polyhydric alcohols, and aromatic and cyclic nitrogen bases to dehydrate the gas and form a rich solution containing the carbon dioxide-amine reaction product dissolved therein, and heating and regenerating the rich solution for reuse.

2,550,447
PRODUCTION OF TITANIUM TETRAIODIDE
Warren B. Blumenthal, Niagara Falls, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 17, 1948, Serial No. 65,965
7 Claims. (Cl. 23—87)

1. In the recovery of titanium tetraiodide from its oxide ores, the steps which comprise reducing the ore with aluminum to produce a titanium-aluminum alloy, reacting said alloy with iodine in the presence of a non-polar solvent to produce a mixture of iodides of titanium and aluminum and thereafter heating the mixed iodides of titanium and aluminum in the presence of potassium iodide to distill off titanium iodide.

2,550,448
YARN TENSIONING DEVICE FOR WINDING MACHINES
George M. Brainerd and Amiee Vachon, Lewiston, Maine, assignors to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 5, 1947, Serial No. 772,432
12 Claims. (Cl. 242—147)



1. A winder having, in combination, means supporting a bobbin to be unwound, a cheese driving drum, means supporting a cheese for swinging movement from an inactive position at one side of said drum into driving contact with the drum with a strand extending from the cheese to the bobbin, and means operative in such movement of the cheese for yieldably gripping the strand adjacent the bobbin, the last mentioned means including a stationary guide element, and a movable friction gripping element coacting with said guide element, said elements being adapted to release the strand upon the movement of the cheese into engagement with said drum.

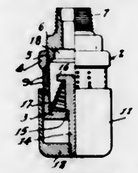
2,550,449
ELECTRODEPOSITION OF NICKEL FROM AN ACID BATH
Henry Brown, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application April 20, 1946, Serial No. 663,757
2 Claims. (Cl. 204—49)

1. A bath for electrodepositing bright nickel consisting essentially of an aqueous acid solution of a material selected from the group consisting of nickel chloride, nickel sulfate, a mixture of nickel sulfate and nickel chloride, a mixture of nickel fluoborate and nickel chloride, a mixture of nickel fluoborate and nickel sulfate, and a mixture of nickel sulfate, nickel chloride, and nickel fluoborate, said solution also containing in a concentration falling within a range of from about .1 gram per liter to saturation an organic compound soluble in the solution and selected from the group consisting of allyl sulfonic acids, allyl and vinyl sulfonamides and sulfonimides, said solution also containing in a concentration falling within a range of from about .001 gram per liter to .02 gram per liter a compound selected from the group consisting of N-aliphatic pyridinium pyrazoles and N-aliphatic quinolinium pyrazoles, the N-aliphatic group containing from 1 to 8 carbon atoms, said bath having a pH of from about 1 to 6.

2,550,450
DEFOAMER
Leo C. Brown and John E. Farbak, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 6, 1947, Serial No. 753,060
7 Claims. (Cl. 195—107)

1. In the process of producing antibiotics by the deep culture fermentation method, the step of abating and reducing foam therein which comprises adding to a fermentation tank containing the antibiotic culture, a defoamer mixture having as an essential active ingredient at least approximately 2.5 per cent of a partial glyceride of an animal glyceride oil, and a mixture of approximately equal proportions of an animal glyceride oil and a mineral oil as a carrier therefor.

2,550,451
ENCLOSED FOG HEAD
Thompson W. Burnam, Whittier, Calif., assignor to Fog Nozzle Company, Los Angeles, Calif., a partnership
Application May 24, 1946, Serial No. 672,111
3 Claims. (Cl. 299—143)



1. A fog head comprising a sleeve having a cylindrical side wall and bottom wall, a set of fog generating orifices in said side wall, the sleeve providing a fluid chamber in back of said orfices, a closure member having a cylindrical wall, said closure member being movable alternately into a position to cover said orifices and into a posi-

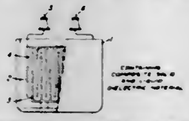
tion to uncover said orifices, an axial member extending from the closed member to the bottom wall of said sleeve into the fluid chamber, said axial member being provided with a stop for limiting the separation of the sleeve and closure member; said axial member having a flange positioned in substantially the center of the sets of orifices when said stop is engaged, and means yieldingly urging the closure member to the closed position.

2,550,452

COMPOUND DIELECTRIC MATERIALS

John F. Byrne and Frank M. Clark, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application March 7, 1945, Serial No. 581,444
7 Claims. (Cl. 175—41)



1. A dielectric composition which is suitable for use in capacitors comprising the combination of a compact mass of discrete oxide particles chosen from the group consisting of magnesium oxide and aluminum oxide and a liquid dielectric material having a viscosity not materially exceeding 100 seconds Saybolt at 37.8° C. filling the voids in said mass.

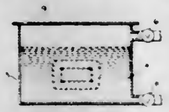
6. A capacitor suitable for use in the high frequency field comprising the combination of a container, spaced armatures therein, a compacted mass therebetween consisting of discrete particles of magnesium oxide and dibutyl sebacate filling the voids in said mass.

2,550,453

METHOD OF PRODUCING INSULATED COILS

Almy Darleny Coggeshall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 13, 1948, Serial No. 65,003
1 Claim. (Cl. 154—80)



The method of producing an insulated electrical coil free of voids which comprises wrapping the coil with a fibrous tape composed in part at least of cellulose acetate fibers coated with polyisobutylene adhesive, immersing the wrapped coil in a bath of liquid solventless thermosetting resinous material, applying sufficient pressure to completely impregnate and coat the coil, releasing the pressure, draining any excess impregnant from the coil and curing the impregnated and coated coil for a time and at a temperature sufficient to complete the curing of the impregnating and coating material.

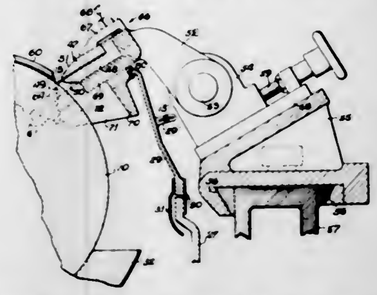
2,550,454

INKING MECHANISM FOR ROTARY INTAGLIO PRINTING PRESSES

Curtis S. Crafts, Oak Park, and Emory W. Worthington, Chicago, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application June 13, 1945, Serial No. 599,228
22 Claims. (Cl. 101—157)

1. In an inking mechanism for a rotary intaglio printing press having a rotatable design cylinder, the combination of a generally trough shaped fountain adapted to be located beneath the cylinder with its front and rear walls rising on either side of the cylinder, a doctor blade, a supporting bracket for said doctor blade including a top wall underlying the doctor as well as a



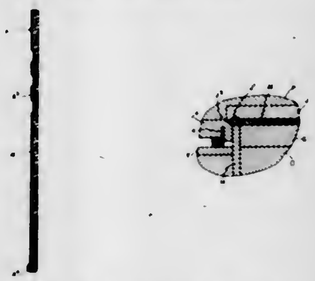
depending rear wall positioned to overlap in closely spaced relation the upper portion of the adjacent rear wall of said fountain, both said top and rear bracket walls extending imperforately for substantially the full length of the doctor, and means supporting said bracket from a point exterior of the fountain for endwise bodily reciprocation.

2,550,455

TRIM PANEL AND METHOD OF MAKING THE SAME

Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Original application September 23, 1946, Serial No. 698,669. Divided and this application March 8, 1948, Serial No. 14,022
7 Claims. (Cl. 154—116)



1. A trim panel comprising a compressed bonded fiber body having a fabric cover on the outer face thereof, the margin of said panel being formed with an outwardly projecting enlarged bead having the fabric cover extending around and beneath the same and adhering thereto.

3. In a method of forming trim panels comprising compressing a blank composed of a fiber bat impregnated with an uncured binding agent and a fabric cover on one face thereof and curing the same while under compression; the step of cutting a blank of larger dimensions than the finished panel, bending a marginal portion of said blank to form a transversely extending flange with its outer face within the finished dimension of the panel and in applying end pressure against said flange and simultaneously cam-

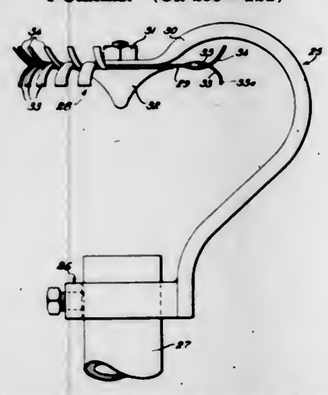
ming outward the portion thereof adjacent to the bend to form a return bend constituting an enlarged bead with the fabric cover extending around the same, said end pressure being sufficient to more highly densify the fibers of said bead.

2,550,456

SPRAY NOZZLE

James G. De Flon, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application November 26, 1946, Serial No. 712,371
4 Claims. (Cl. 299—121)



1. A spray device comprising a deflector having a surface against which a liquid stream is impinged axially of the deflector, and having a first set of spaced peripheral tooth-like spray dispersing projections extending reversely of the direction of liquid impingement against the deflector, and a second set of tooth-like projections between and spaced from the first mentioned projections and extending oppositely relative thereto, the inner portions of each set of projections being offset axially of the deflector in a direction opposite to that in which the respective outer portions extend so that water is deflected laterally from the surfaces of one set against the surfaces of the second set.

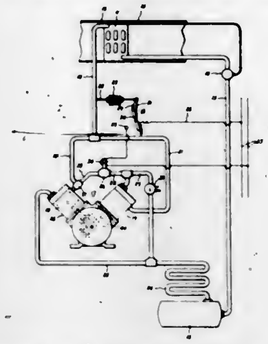
2,550,457

MULTICYLINDER REFRIGERANT COMPRESSING APPARATUS

Wayne E. Dodson, Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Application December 21, 1949, Serial No. 134,249
2 Claims. (Cl. 230—2)

1. A refrigerant compressing apparatus adapted to be connected in a closed refrigerant circuit and comprising a plurality of compressor cylinders each having an inlet and an outlet, an intake connection for said apparatus, a discharge connection for said apparatus, separate conduit means for connecting said intake connection respectively to each of said inlets, means for connecting said outlets of said cylinders to said discharge connection and for preventing reverse flow of refrigerant therefrom to the outlet of one of said cylinders, conduit means connecting the outlet of said one of said cylinders to the inlet of another of said cylinders at said other cylinder and remote from said intake connection, and means dependent upon a condition of operation of said apparatus for controlling said last-mentioned conduit means to effect unloading of said one cylinder and the discharge of refrigerant therefrom directly to the intake of said other cylinder, said apparatus including means for controlling the cycle of said one cylinder to effect discharge of refrigerant there-



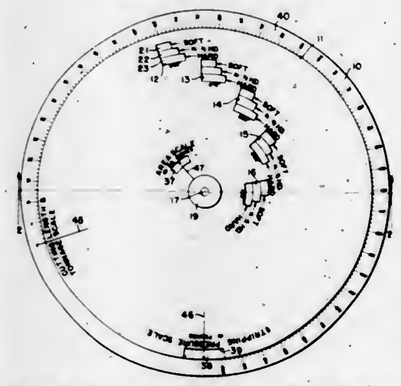
from during the intake portion of the cycle of said other cylinder, whereby the hot compressed refrigerant is directed preferentially to said other cylinder and the recirculation of refrigerant discharged from said one cylinder is minimized.

2,550,458

TONNAGE CALCULATOR

Robert J. Dresher, Dayton, Ohio

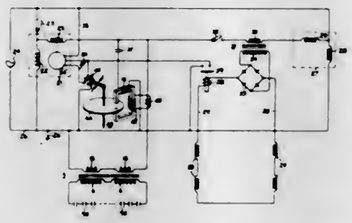
Application December 14, 1949, Serial No. 132,850
4 Claims. (Cl. 235—88)



1. In a device of the class described, the combination of a base member having a plurality of tonnage scales thereon; a second member mounted on and movable relatively to the base member, said second member having a plurality of windows therein, each window overlying a different one of said tonnage scales; another scale on the base member and located adjacent the perimeter thereof, said another scale indicative of the size of a blank to be punched and being correlated with the plurality of tonnage scales; a pointer on the second member and located adjacent the another scale to guide the setting of the second member into a position in relation to the another scale, said pointer also correlated with the windows in said second member to expose sections of the plurality of scales to view, the windows representing materials of different thickness and degrees of hardness, the plurality of scales being so

proportioned and angularly related with the windows as to jointly indicate the tonnage required to punch out a part of given size and character, said pointer on the second member also angularly related to the said another scale so as to indicate the said tonnage requirement; a second pointer on the second member; and a scale on the base member angularly related with the second pointer to indicate the stripping pressure in pounds required to strip the punched part from the punch when the first pointer is set to indicate tonnage on the said another scale.

2,550,459
SYSTEM AND APPARATUS FOR STARTING CHARGED PARTICLE ACCELERATORS
Russell N. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1950, Serial No. 168,503
12 Claims. (Cl. 323—89)



1. A regulating system for use with a saturable magnetic circuit having an alternating current exciting winding which is resonant at operating voltage but excessively inductive at lower voltages and a direct current exciting winding for saturating the magnetic circuit to decrease the inductance of the alternating current exciting winding, said system comprising an induction regulator having a primary winding and a secondary winding, input means for connecting a source of alternating current to said regulator primary winding, said regulator having output connections for directing the output of said regulator to the alternating current exciting winding for energization thereof, a transformer having a primary winding and a secondary winding, said transformer primary winding being connected across said regulator secondary winding whereby said transformer may be energized by a voltage substantially equal to the difference between the input and output voltages of said regulator, said transformer secondary winding being connected in circuit with rectifying means and having output connections for supplying direct current to the direct current exciting winding for energization thereof, and means for increasing the output voltage of said regulator as the current in said transformer secondary winding circuit decreases whereby the alternating current exciting winding may be maintained near resonance during the energization thereof.

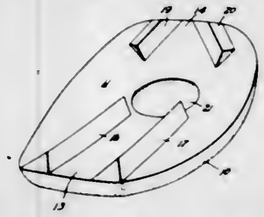
2,550,460
MONITORING CIRCUIT
George M. Farly and Dick A. Mack, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application April 6, 1950, Serial No. 154,322
5 Claims. (Cl. 177—311)

1. In a monitoring device for two parallel operated mercury-pool gas tubes having a current monitoring reactor connected to the anode of each, registering means connected to one of said reactors responsive to negative pulses therethrough, registering means connected to the other of said reactors responsive to negative pulses therethrough, balancing means connected to both of said reactors and having a zero



output when a pulse of similar polarity occurs at both of said reactors, registering means connected to said balancing means responsive to an unbalance resulting from a misfire failure in one of said tubes, and registering means connected to said balancing means responsive to an unbalance resulting from a misfire failure in the other of said tubes.

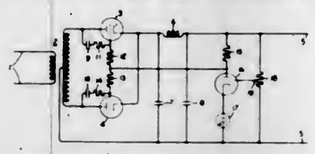
2,550,461
ELBOW PROTECTOR
Raymond J. Fick, North Tonawanda, N. Y.
Application June 30, 1948, Serial No. 36,136
9 Claims. (Cl. 2—16)



1. An elbow protector comprising an elongate resilient body having one surface thereof formed to provide a concave elbow-receiving pocket and having at one portion of the periphery of said pocket a continuous outward extension for engagement against the forearm of a user, a pair of generally parallel spaced ridges formed along said extension for engagement with said forearm at opposite sides of the ulna thereof, and a pair of ridges at the opposite side of said pocket from the outward extension, said second pair of ridges being spaced from each other at the edge of the pocket and extending divergently inwardly from said edge for engagement with the elbow between the epicondyles of the humerus and the olecranon of the ulna.

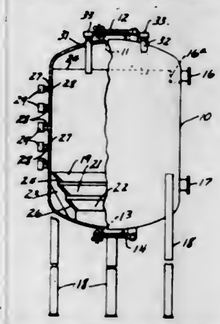
2,550,462
RECTIFIER REGULATOR
George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application January 16, 1946, Serial No. 641,593
1 Claim. (Cl. 321—39)

A regulated rectifier power supply system comprising a source of alternating voltage, a direct-current load circuit, an electron discharge device of the high vacuum type having a cathode, a control electrode and an anode, a conductive connection from said anode to one terminal of said source, a conductive connection from said cathode to a first terminal of said load circuit and a common conductive connection from the other terminal of said source to the second terminal of said load circuit, means for continuously varying the terminal impedance of said device inversely with variations in the magnitude of said voltage during positive half-cycles thereof at said anode, said means comprising a low-impedance alternating current connection including a blocking capacitor connected between said control electrode and said one terminal, thereby to impress an alternating voltage on said electrode which is substantially proportional to and in phase with the alternating voltage at said anode, an impedance element, means comprising an auxiliary electron discharge device having an anode circuit and a control electrode circuit for causing a direct current to flow through said impedance element,



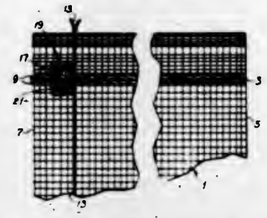
a reference source of substantially constant direct voltage in said anode circuit, means for impressing the load voltage on said control electrode circuit, said direct current flowing through said impedance element being dependent upon the difference between said reference voltage and the load voltage, and means to apply a unidirectional bias voltage between said control electrode and said cathode which is substantially proportional to the voltage drop across said element, said last means increasing the negative potential of said electrode with respect to said cathode with increasing load voltage, thereby additionally to vary the internal impedance of said device during said positive half-cycles in a sense tending to maintain said load voltage substantially constant.

2,550,463
GAS PURIFIER
Charles B. Gamble, Birmingham, Ala.
Application August 15, 1947, Serial No. 768,807
2 Claims. (Cl. 23—284)



1. In a gas purifier embodying an enclosed cylindrical vessel adapted to contain a solid mass of intersticed purifying material through which the gas is passed, a plurality of inverted frustoconical rings mounted one above the other in the lower end of the vessel, the said rings being progressively smaller in diameter from the uppermost downwards and spaced vertically apart, the upper ring fitting snugly within the vessel to form therewith an annular space and the succeeding rings being spaced from the wall of the vessel, inclined notched plates joined to the bottom and side of the vessel and supporting the rings, a gas circulating conduit connected to the lower end of the vessel behind the said rings, a second gas circulating conduit connected to the upper end of the vessel, a purifying material discharge outlet in the bottom of the vessel, and a plurality of short sections of pipe vertically aligned on a side of the vessel above the rings and providing access to the mass of purifying material within the vessel at a plurality of points.

2,550,464
DRAW CORD ANCHORAGE
Russell Gleave and Edwin A. Dickmann, St. Louis, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application December 26, 1946, Serial No. 718,308
4 Claims. (Cl. 150—11)



1. In an open-mesh fabric bag having a draw cord in the bag fabric adjacent the mouth of the bag, a staple driven through the bag fabric and clinched around the ends of the draw cord, and a mass of adhesive applied over a substantial but local area surrounding the staple bonding the ends of the draw cord to the bag and forming an adhesively-stiffened matrix portion of the bag in which the staple and the ends of the cord are embedded.

2,550,465
INSULATING MATERIAL
Florian T. Gorski, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application July 29, 1948, Serial No. 41,224
9 Claims. (Cl. 154—44)

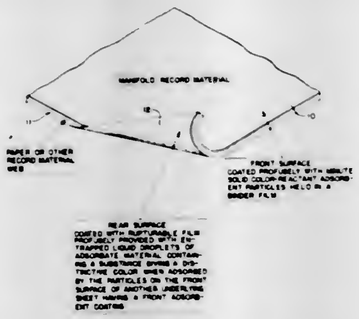


1. An article of manufacture comprising a mass of glass fibers, an insoluble and infusible resinous material bonding the fibers at their intersections to form the fibers into an integrated porous body, and a thermoplastic resin impregnating the bonded mass of glass fibers to coat the fibers substantially throughout their lengths.

2,550,466
MANIFOLD RECORD MATERIAL AND PROCESS FOR MAKING IT
Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application July 31, 1948, Serial No. 41,756. Divided and this application September 7, 1950, Serial No. 183,531
2 Claims. (Cl. 282—28)

1. A sensitized record material adapted to be used in conjunction with other record material of

the same kind, in superimposed relation and faced in the same direction, to form a manifold pack, including a sheet of material suitable for a manifold record material base web, said sheet having a front receiving surface and a rear transfer surface; a coating on the front receiving surface of the sheet comprising a binder containing profuse numbers of minute solid particles of adsorbent material; and a pressure-rupturable coating on the rear transfer surface, having entrapped therein a profuse number of minute liquid droplets containing a substance which is adsorbable on material like the adsorbent particles in the coating on the front receiving surface and reactant therewith on contact to form a distinctive color, recording pressures on the front receiving surface through the adsorbent coating causing rupture of the coating on the rear transfer surface locally at the points of pressure there to release and extrude on the surface of the said ruptured coating droplets of the liquid, there available for adsorption on the receiving surface of an under sheet to produce a distinctively colored mark thereon, the adsorbent being magnesium trisilicate, and the adsorbable material being an electron donor aromatic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron acceptor-donor surface chemical reaction with the adsorbent, giving it a distinctive color.



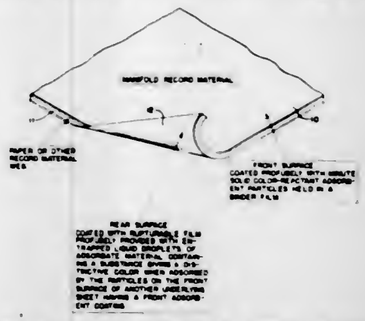
2,550,467
MANIFOLD RECORD MATERIAL AND PROCESS FOR MAKING IT

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application July 31, 1948, Serial No. 41,756. Divided and this application September 7, 1950, Serial No. 183,532

2 Claims. (Cl. 282—28)

1. A sensitized record material adapted to be used in conjunction with other record material of the same kind, in superimposed relation and faced in the same direction, to form a manifold pack, including a sheet of material suitable for a manifold record material base web, said sheet having a front receiving surface and a rear transfer surface; a coating on the front receiving surface of the sheet comprising a binder containing profuse numbers of minute solid particles of adsorbent material; and a pressure-rupturable coating on the rear transfer surface, having entrapped therein a profuse number of minute liquid droplets containing a substance which is adsorbable on material like the adsorbent particles in the coating on the front receiving surface and reactant therewith on contact to form a distinctive color, recording pressures on the front receiving surface through the adsorbent coating causing rupture of the coating on the rear transfer surface locally at the points of pressure there to release and extrude on the surface of the said ruptured coating droplets of the liquid, there available for adsorption on the receiving surface of an under sheet to produce a distinctively colored mark thereon, the adsorbent being selected from the group consisting of sodium aluminum silicate zeolite material and such material in which the base exchange cations have been replaced by one of the group consisting of nickel, iron, copper, zinc, mercury, barium, lead, cadmium and potassium, and the adsorbable material being an electron donor aromatic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron acceptor-donor surface chemical reaction with the adsorbent, giving it a distinctive color.

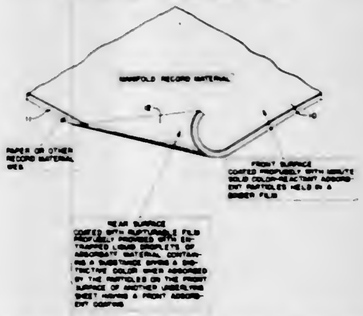


2,550,468
MANIFOLD RECORD MATERIAL AND PROCESS FOR MAKING IT

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application July 31, 1948, Serial No. 41,756. Divided and this application September 7, 1950, Serial No. 183,533

2 Claims. (Cl. 282—28)



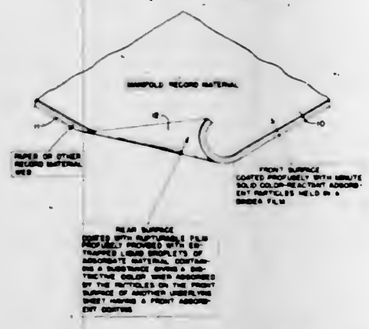
1. A sensitized record material adapted to be used in conjunction with other record material of the same kind, in superimposed relation and faced in the same direction, to form a manifold pack, including a sheet of material suitable for a manifold record material base web, said sheet having a front receiving surface and a rear transfer surface; a coating on the front receiving surface of the sheet comprising a binder containing profuse numbers of minute solid particles of adsorbent material; and a pressure-rupturable coating on the rear transfer surface, having entrapped therein a profuse number of minute liquid droplets containing a substance which is adsorbable on material like the adsorbent particles in the coating on the front receiving surface and reactant therewith on contact to form a distinctive color, recording pressures on the front receiving surface through the adsorbent coating causing rupture of the coating on the rear transfer surface locally at the points of pressure there to release and extrude on the surface of the said ruptured coating droplets of the liquid, there available for adsorption on the receiving surface on an under sheet to produce a distinctive color mark thereon, the absorbent being halloysite, and the adsorbable material being an electron donor aromatic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron acceptor-donor surface chemical reaction with the adsorbent, giving it a distinctive color.

2,550,469
MANIFOLD RECORD MATERIAL AND PROCESS FOR MAKING IT

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application July 31, 1948, Serial No. 41,756. Divided and this application September 7, 1950, Serial No. 183,534

2 Claims. (Cl. 282—28)



1. A sensitized record material adapted to be used in conjunction with other record material of the same kind, in superimposed relation and faced in the same direction, to form a manifold pack, including a sheet of material suitable for a manifold record material base web, said sheet having a front receiving surface and a rear transfer surface; a coating on the front receiving surface of the sheet comprising a binder containing profuse numbers of minute solid particles of adsorbent material; and a pressure-rupturable coating on the rear transfer surface, having entrapped therein a profuse number of minute liquid droplets containing a substance which is adsorbable on material like the adsorbent particles in the coating on the front receiving surface and reactant therewith on contact to form a distinctive color, recording pressures on the front receiving surface through the adsorbent coating causing rupture of the coating on the rear transfer surface locally at the points of pressure there to release and extrude on the surface of the said ruptured coating droplets of the liquid, there available for adsorption on the receiving surface of an under sheet to produce a distinctively colored mark thereon, the adsorbent material being attapulgite in which the natural base exchange cations have been replaced by one of the group consisting of hydrogen, nickel, copper, iron, zinc, mercury, barium, lead, cadmium and potassium, and the adsorbable material being an electron donor aromatic compound having a double bond system which is convertible to a more highly polarized conjugated form upon taking part in an electron acceptor-donor surface chemical reaction with the adsorbent, giving it a distinctive color.

2,550,470
PRESSURE SENSITIVE RECORD MATERIAL

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Original application July 13, 1948, Serial No. 38,547. Divided and this application September 15, 1950, Serial No. 185,151

2 Claims. (Cl. 282—28)

1. Pressure-sensitive record material including the combination of color-forming substances of two kinds, one kind being solid and the other kind being liquid, said liquid kind being held insulated from contact with the solid kind by being profusely dispersed in minute droplets in a solid rupturable film on the exterior of which is deposited a film bearing particles of the solid kind, the application of localized pressure to the record material rupturing the film at points of application and there bringing the color-forming substances together, whereby a distinctively colored mark is produced by mere application of localized pressure, the solid color-forming substance being selected from the group consisting of finely divided sodium aluminum silicate zeolite material and such material in which the sodium base exchange cations have been replaced by cations of nickel, copper, iron, zinc, mercury, barium, lead, cadmium and potassium, and said liquid color-forming substance being an organic electron donor aromatic compound having a double bond system which is converted to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color.

2,550,471
PRESSURE SENSITIVE RECORD MATERIAL

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Original application July 13, 1948, Serial No. 38,547. Divided and this application September 15, 1950, Serial No. 185,152

2 Claims. (Cl. 282—28)

1. Pressure-sensitive record material including the combination of color-forming substances of two kinds, one kind being solid and the other kind being liquid, said liquid kind being held insulated from contact with the solid kind by being profusely dispersed in minute droplets in a solid rupturable film on the exterior of which is deposited a film bearing particles of the solid kind, the application of localized pressure to the record material rupturing the film at points of application and there bringing the color-forming sub-

stances together, whereby a distinctively-colored mark is produced by mere application of localized pressure, said solid color reactant being particles of attapulgite in which the natural base exchange cations have been replaced by hydrogen, and said liquid color-forming substance being an organic electron donor aromatic compound having a double bond system which is converted to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color.

2,550,472

PRESSURE SENSITIVE RECORD MATERIAL

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Original application July 13, 1948, Serial No. 38,547. Divided and this application September 15, 1950, Serial No. 185,153

2 Claims. (Cl. 282—28)

1. Pressure-sensitive record material including the combination of color-forming substances of two kinds, one kind being solid and the other kind being liquid, said liquid kind being held insulated from contact with the solid kind by being profusely dispersed in minute droplets in a solid rupturable film on the exterior of which is deposited a film bearing particles of the solid kind, the application of localized pressure to the record material rupturing the film at points of application and there bringing the color-forming substances together, whereby a distinctively-colored mark is produced by mere application of localized pressure, and said solid color-forming substance being particles of halloysite, and said liquid color-forming substance being an organic electron donor aromatic compound having a double bond system which is converted to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color.

2,550,473

PRESSURE SENSITIVE RECORD MATERIAL

Barrett K. Green and Robert W. Sandberg, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Original application July 13, 1948, Serial No. 38,547. Divided and this application September 15, 1950, Serial No. 185,154

2 Claims. (Cl. 282—28)

1. Pressure-sensitive record material including the combination of color-forming substances of two kinds, one kind being solid and the other kind being liquid, said liquid kind being held insulated from contact with the solid kind by being profusely dispersed in minute droplets in a solid rupturable film on the exterior of which is deposited a film bearing particles of the solid kind, the application of localized pressure to the record material rupturing the film at points of application and there bringing the color-forming substances together, whereby a distinctively colored mark is produced by mere application of localized pressure, the solid color-forming substance being magnesium trisilicate, and said liquid color-forming substance being an organic electron donor aromatic compound having a double bond system which is converted to a more highly polarized conjugated form upon taking part in an electron donor-acceptor adsorption chemical reaction, giving it a distinctive color.

2,550,474

STRESS-AGING PROCESS

Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application September 30, 1948, Serial No. 52,145

15 Claims. (Cl. 148—11.5)

1. The method for improving the properties of an alloy consisting wholly or in major part of one or more solid solution phases which comprises artificially aging said alloy for from 15 minutes to 20 hours at a temperature below but within 100° C. of the recrystallization temperature and under an externally applied stress at least equal to the proportional limit but not exceeding the 0.2% offset yield strength of said alloy prior to said aging.

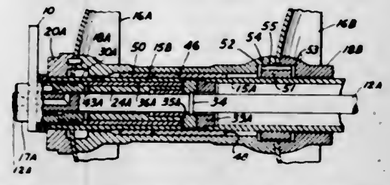
2,550,475

IMPLEMENT CONSTRUCTION

Loyd Heckathorn, Garden Grove, and Howard B. Rapp, Santa Ana, Calif., assignors to Howard B. Rapp, Jessica M. Rapp, George A. Sattler, Marie A. Sattler, Basil R. Twsit, Mifflin K. Thomas, and Howard B. Rapp, Jr., copartners, doing business as Towner Manufacturing Company, Santa Ana, Calif.

Application September 27, 1946, Serial No. 699,748

8 Claims. (Cl. 308—19)



1. In a groundworking implement having a side frame member, the combination comprising a nonrotatable axle in said side member, a rotatable tool-supporting sleeve coaxial with said axle but radially spaced therefrom, an inner bearing sleeve on said axle at one end thereof, an outer bearing sleeve telescoped over said inner sleeve and mounted rigidly inside said tool-supporting sleeve, a first thrust collar abuttingly mounted adjacent said inner bearing sleeve at the inwardly projecting end of the latter, a second thrust collar in flat sliding engagement with said first thrust collar and adapted to rotate with said tool supporting sleeve, means locking said second thrust collar in thrust transmitting engagement with said tool-supporting sleeve so that thrust in the latter in a direction toward the bearing assembly is transmitted serially through said second thrust collar, said first thrust collar, said inner bearing sleeve and thence to said axle.

2,550,476

MINERAL AGGREGATE BONDING COMPOSITION

Arthur B. Hersberger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application November 18, 1947, Serial No. 786,815

7 Claims. (Cl. 106—273)

1. A mineral aggregate bonding composition comprising a bitumen and a small amount of a condensation product sufficient to substantially increase the adhesivity of the bitumen for mineral aggregates, said condensation product being prepared by reacting an olefin containing from 5 to 20 carbon atoms with an unsaturated dicarboxylic acid anhydride at 350° F. to 550° F. to produce an alkenyl dicarboxylic acid anhydride and higher boiling fractions, fractionally distilling the reaction mixture to separate the alkenyl dicarboxylic acid anhydride from the higher boiling fractions, and reacting the higher boiling fractions with from 1 to 2 molar equivalents of a diamine containing from 2 to 18 carbon atoms.

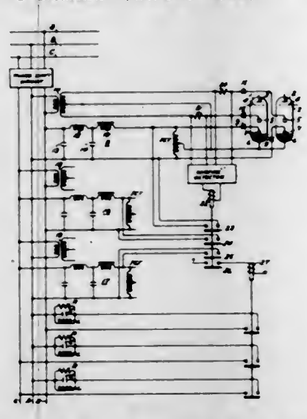
2,550,477

STABILIZED ARC SUPPRESSING SYSTEM FOR ELECTRONIC DEVICES

Carl C. Herskind and Marvin J. Mulhern, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application October 26, 1950, Serial No. 192,302

3 Claims. (Cl. 315—363)



1. In combination, a plurality of electronic devices of the ionizable medium type each device having an anode, a cathode, and an ignitor, circuit means for energizing said ignitors, a phase shift circuit for energizing said circuit means, detecting means responsive to predetermined conditions of said devices for rendering said circuit means ineffective operably to energize said ignitors, impedance means, and control means responsive to operation of said detecting means for causing said impedance means to be energized by said phase shift circuit, the characteristics of said impedance means being such that the characteristics of the load on said phase shift circuit are substantially the same after operation of said control means as the characteristics of the load on said phase shift circuit before operation of said detecting means.

2,550,478

CONTROL MECHANISM FOR OIL-BURNING SPACE HEATERS

Earl D. Hillebrand and John R. Fulmer, Kankakee, Ill., assignors to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts

Application June 10, 1947, Serial No. 753,684

2 Claims. (Cl. 161—7)

1. A control mechanism for oil burners comprising, in combination, a metering valve having a member movable between high fire and low fire positions for regulating the flow of oil to a burner, spring means yieldably urging said valve member toward the high fire position, means for adjusting the position of said valve member within predetermined limits including a shiftable control element, lever means interposed between said control element and said valve member, stop means coacting with said lever to define one of said limits, a timer adapted to be set for varying time intervals, said timer having a cam shiftable through a range corresponding to the setting of the timer and returned to a rest



position at the end of the interval for which the timer is set, and other lever means interposed between said first-mentioned lever means and said cam operable to move said valve member to the low fire position when said cam is shifted from said rest position, said valve member being released to the control of said spring means and said control element upon return of said cam to rest position.

2,550,479

CHAIR BACK CONSTRUCTION

Alfred C. Hoven, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application February 21, 1947, Serial No. 730,106

4 Claims. (Cl. 155—184)



1. In a chair structure: spaced, upright supporting standards; back-supporting brackets on the standards; a chair back comprising a back panel having its top and side peripheral edges curled rearwardly, inwardly and then outwardly to form a continuous groove extending across the top and down the sides of the back panel, said back panel having its bottom peripheral edge curled forwardly, upwardly and then rearwardly to form a bottom retaining groove; padding disposed directly over the entire front surface of the back panel; an upholstery covering disposed directly over the padding and having its top and side marginal edges secured within said continuous groove and having its bottom edge secured within said bottom retaining groove; a channel rim extending around the top and sides of the chair back, said rim having inwardly extending flanges one of which flanges engages the outwardly curled portions of the back panel's top and side peripheral edges and the other of which flanges engages the outer surface of the upholstery covering to press the covering against the back panel; and fastening means passing through said back-supporting brackets and said back panel for securing the panel to the brackets.

2,550,480
SPORTS THEATER FOR GOLF
Ford Hubbard, Houston, Tex.
Application February 7, 1947, Serial No. 727,166
4 Claims. (Cl. 272—3)



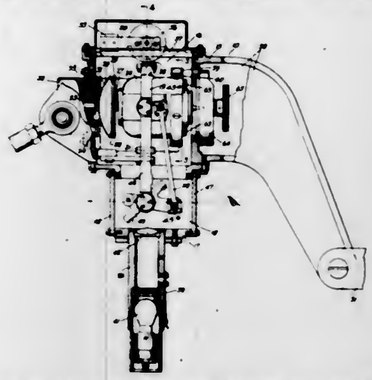
1. An outdoor golf theater comprising a golf playing arena surrounding a central spectator area, said golf playing arena being constituted of a series of elongated holes, at least the majority of said holes having inner termini arranged around and located adjacent the spectator area and said holes extending generally radially outwardly from the spectator area in side by side relation, and a spectator supporting structure in said spectator area having elevated seats positioned to afford ready view of said holes.

2,550,481
BITUMINOUS COMPOSITIONS
Willem Frederik Jense, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 2, 1947, Serial No. 751,991. In the Netherlands April 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 6, 1964
9 Claims. (Cl. 252—311.5)

1. An asphalt emulsion of the oil-in-water type comprising asphalt in the dispersed phase, an aqueous continuous phase and, as an essential emulsifying agent, a soap of a polymerized hydroxyalkyl carboxylic acid, said polymerized acid product containing at least 20 carbon atoms per molecule.

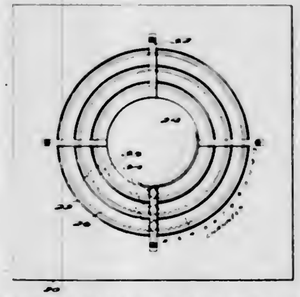
2,550,482
SIGHTING MECHANISM
Frithiof V. Johnson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 4, 1942, Serial No. 464,453
6 Claims. (Cl. 33—49)

1. Gun sighting mechanism comprising means for establishing a line of sight, a gyroscope connected to said means so that the direction of said line of sight is always in fixed relation to the direction of the spin axis of the gyroscope, said gyroscope controlling the direction of said line of sight in accordance with the position thereof, means mounting said line of sight establishing means and said gyroscope movable with the gun as it is moved in space in order to cause said line of sight to follow a target, means on said movable means for applying to said gyroscope a precessing torque to cause it to tend to follow said last-named means as it is moved to cause said line of sight to follow the target and for controlling said torque so that the position of said gyroscope with reference to said last-named means measures the lead angle of the gun re-



quired by the speed of the target, and additional means connected to said gyroscope for applying to it a precessing torque in accordance with the range of the target and elevation of the gun to displace the gyroscope spin axis with reference to said last-named means so that a correction in elevation is applied to said gun.

2,550,483
TUNING CONTROL FOR TELEVISION SETS
Joe Allen Jones, Falls Church, Va., assignor of one-third to Roberts B. Larson, Washington, D. C.
Application January 16, 1950, Serial No. 138,808
3 Claims. (Cl. 178—7.5)



1. In television apparatus and the like having a viewing screen and an adjustable control circuit for said apparatus, which control circuit includes at least one variable element, an adjusting arrangement for said control circuit, comprising at least one ring rotatably mounted adjacent to and substantially concentric with said viewing screen and accessible to a person viewing the screen, a drive transmitting surface on at least a portion of said ring, and motion transmitting means driven from said surface and operatively connected with a variable element of said control circuit for adjusting said control circuit in response to movement of said ring.

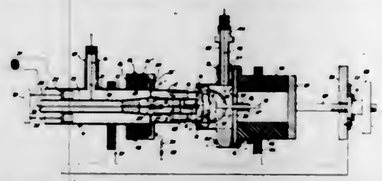
2. Apparatus according to claim 1, in which said drive transmitting surface is toothed, and said motion transmitting means comprise a gear and shaft arrangement.

2,550,484
INFANT'S SHOE
William Kaut, Jr., Louis F. Lauman, and Frank J. Winter, Jr., Dixon, Mo.
Application February 11, 1949, Serial No. 75,832
1 Claim. (Cl. 36—8.5)



In an orthopedic child's shoe having a sole providing a tread surface, and an upper including a quarter defining a back line and a closure opening at the entry therein, stays at the edges of the closure opening, the top line of said upper extending between the back and the top of said stays at an angle of approximately 45° with the tread surface, and said back being positioned below the area of said quarter which embraces the ankle bone of a foot within the shoe.

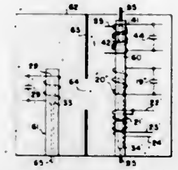
2,550,485
ULTRA HIGH FREQUENCY ELECTRIC DISCHARGE DEVICE AND CAVITY RESONATOR APPARATUS THEREFOR
Norman T. Lavoo and Anatole M. Gurewitsch, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 3, 1949, Serial No. 96,994
4 Claims. (Cl. 315—6)



1. In an ultra high frequency electric discharge device, a cathode, an anode, and at least one grid located intermediate said cathode and said anode and in axial alignment therewith, said anode having an axially extending portion, an electrically conductive member encircling and connected to said grid, insulating means hermetically sealed between said cathode and said conductive member to support said conductive member in spaced relation to said cathode, and a tapered insulating dome member hermetically sealed at its base to said conductive member and hermetically sealed at its apex to said axial anode portion to support said anode in spaced relation to said grid, said anode portion having an external portion extending through said apex, said conductive member terminating in a plurality of external contact fingers extending from said base of said tapered member whereby a grid-anode cavity resonator may be telescoped axially over the anode end portion of said discharge device in contact with said external anode portion and said contact fingers.

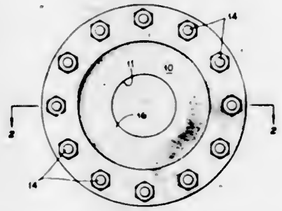
2,550,486
WAVE-SIGNAL TRANSFORMER
Bernard D. Loughlin, Bayside, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 26, 1946, Serial No. 679,534
3 Claims. (Cl. 171—242)

1. A wave-signal transformer comprising, a first winding adapted to be included in a circuit tuned to resonance at the frequency of a wave signal coupled to said winding, a plurality of other windings each having relative to said first winding a wave-signal potential ratio substantially equal to that of the others of said last-mentioned windings, and a movable unitary magnetic core coupling said windings and movable as a unit axially of all of said windings to adjust



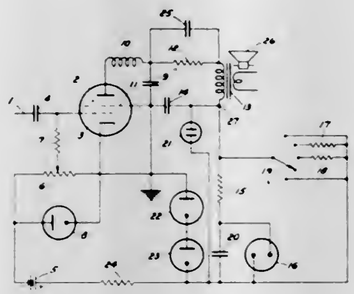
the tuning of said resonant circuit by adjustment of the inductance of said first winding, said core having a length at least equal to the total effective axial length of all of said windings through which said core is axially movable and being of a length to maintain substantially undisturbed over the range of movement of said core the magnitude of coupling of said windings and the said equality of said potential ratios.

2,550,487
ROD WIPER
John W. MacClatchie, Los Angeles, Calif.
Application November 30, 1945, Serial No. 631,884
1 Claim. (Cl. 15—210)



A wiper comprising a generally annular body having a central opening for passing a well string and forming a wiping edge extending about said opening, said body in extending radially outwardly from said wiping edge including an annular inner section near the opening extending first substantially radially outwardly and then in a direction having a component in a first axial direction, and said body then being deflected back at the outside of said inner section in a direction having a component in the reverse axial direction to form with the portion having said first axial component an annular recess into which the inner section is partially expansible upon passage of an enlargement therethrough, the minimum thickness of said portion having the first axial component being less than the minimum thickness of either said radial portion or said portion having the reversed axial component to thereby assure that maximum flexing of the body will occur at said portion having the first axial component.

2,550,488
RADIATION COUNTER
Charles R. Marsh, State College, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application October 27, 1948, Serial No. 56,847
10 Claims. (Cl. 177—311)



1. A pulse circuit of the character described comprising a normally inoperative gas electric discharge device, an output circuit for said discharge device including a resistor and a capacitor for intermittently discharging through the discharge device and recharging through said resistor, means for coupling said output circuit to a sound reproducing device, means for periodically rendering said discharge device operative, and means providing a low impedance surge path about said resistor when said capacitor charges for producing pulses across said sound reproducing device.

2,550,489
ULCER THERAPY COMPOSITION
Gustav J. Martin and Jack N. Moss, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 21, 1948, Serial No. 50,437
2 Claims. (Cl. 167—55)

1. A composition particularly adapted for ulcer therapy comprising bentonite, hydrated sodium aluminum silicate and an anion exchange resinous condensation product of a polyalkylene polyamine, a phenol and formaldehyde.

2,550,490
COMPLEX ALKALI METAL-ALUMINUM AND ALKALI METAL-IRON ACID PHOSPHATES
Guy A. McDonald, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application October 29, 1945, Serial No. 625,442
7 Claims. (Cl. 23—105)

1. A crystalline compound having the formula

$$MM'_3H_{14}(PO_4)_8 \cdot 4H_2O$$

wherein M is a member of the class consisting of sodium, potassium and ammonium and M' is a trivalent metal atom of the class consisting of aluminum and iron.

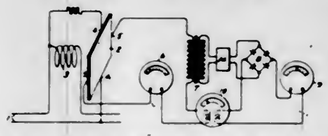
2,550,491
BAKING COMPOSITION
Guy A. McDonald, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application December 23, 1947, Serial No. 793,531
14 Claims. (Cl. 99—95)

1. A baking powder composition comprising sodium bicarbonate, starch, and a baking acid, a substantial proportion of which is a complex crystalline compound having the formula:

$$MM'_3H_{14}(PO_4)_8 \cdot 4H_2O$$

wherein M represents a member of the class consisting of sodium, potassium and ammonium and M' represents a trivalent metal atom of the class consisting of aluminum and iron.

2,550,492
HALL EFFECT ALTERNATING CURRENT MEASURING APPARATUS
Norval P. Millar, Danvers, Mass., assignor to General Electric Company, a corporation of New York
Application May 27, 1950, Serial No. 164,827
6 Claims. (Cl. 172—245)



1. In a measuring system apparatus for obtaining direct and alternating currents proportional to the watts and volt-amperes respectively of an alternating current circuit, comprising a Hall plate, a winding for producing a flux through said plate and input terminals for passing current through said plate in such relations as to produce a Hall voltage at output terminals on said plate proportional to the product of such flux and current, energizing circuits for said winding and input terminals one of which circuits is energized in proportion to the current and the other of which is energized in proportion to the voltage of an alternating current circuit, a circuit which is supplied from the output terminals of said plate and alternating current energy transfer means associated with said output circuit for segregating the second harmonic current component flowing therein.

2,550,493
DUSTPROOF BOX
Reynold Algot Ohlson, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application December 27, 1945, Serial No. 637,405
6 Claims. (Cl. 220—46)

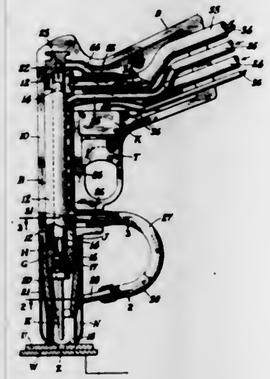


1. A rectangular sealed box having a body with intergral inwardly projecting ledges terminating in upwardly projecting flanges and a cover formed of sheet metal with arched edges seated on said ledges and resilient gaskets mounted on the edges of said flanges, said cover pressing against said gaskets, said edges of the cover, said ledges, said flanges and said gaskets enclosing an air space.

2,550,494
SALTS OF 3,6 ENDOXOHEXAHYDROPHTHALIC ACID
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application April 1, 1950, Serial No. 153,481
12 Claims. (Cl. 260—345)

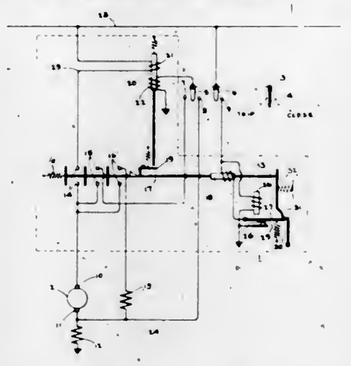
1. A method for the production of a water-soluble neutral salt of 3,6-endoxohexahydrophthalic acid, which comprises subjecting the corresponding water-soluble neutral salt of 3,6-endoxo-1,2,3,6-tetrahyrophthalic acid to hydrogen pressure at a temperature below 125° C. in the presence of a catalyst selected from the group consisting of nickel and cobalt hydrogenation catalysts, while maintaining temperature conditions below the point at which a large degree of decomposition of said second-mentioned neutral salt takes place.

2,550,495
GAS BLANKETED ARC WELDING
Frank J. Pilia, Springfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application February 28, 1947, Serial No. 731,577
7 Claims. (Cl. 219—8)



1. Apparatus for arc welding metal, which comprises means for directing an electrode toward the metal, means for advancing a nozzle into contact with the metal to surround an area concentric with said electrode while spacing said electrode from the metal, a valve for turning on a supply of gas to said nozzle to fill the space between the electrode and said area, and a timer interconnected with said valve for turning on electric welding current to said electrode holder for automatically striking an arc between said electrode and said area at a predetermined time interval after said supply of gas has been turned on.

2,550,496
NONOSCILLATING PROTECTIVE CONTROL SYSTEM
Paul J. Reifschneider, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application January 14, 1950, Serial No. 138,674
3 Claims. (Cl. 175—294)

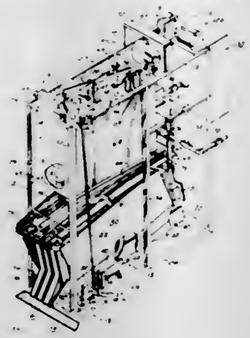


1. In a protective control system for a dynamo-electric machine, a latch type circuit interrupter including a trip latch, a latch trip solenoid having a first winding connected to measure the current through the circuit interrupter and a second winding connected in opposition to said first winding to measure the current through the dynamoelectric machine, said solenoid thereby being sensitive to differences in said currents caused by faults in said system to cause tripping of said interrupter, said interrupter including a closing solenoid adapted to be energized only at the time of closing of said circuit interrupter and a holding solenoid having an armature lever and associated movable contacts arranged in the circuit of said closing solenoid whereby operation of said armature lever in response to the magnetic attraction of said holding solenoid interrupts the circuit of said closing solenoid, and a latch member for restraining said armature lever against the attraction of said holding solenoid to maintain said contact in the closed position, and an operating rod associated with said closing solenoid for co-operation with said latch member to release said armature lever by movement of said latch member at the end of the travel of said closing solenoid after said trip latch has been engaged.

2,550,497
AUTOMATIC ICE-MAKING MACHINE
Walter G. Ribeiro, Camden, N. J.
Application April 25, 1949, Serial No. 89,407
9 Claims. (Cl. 62—105)

1. An ice-making machine comprising a frame mounted above a brine-filled freezing-tank, a cradle pivotally-mounted adjacent the bottom of said frame, one or more open-top ice-cans carried by said cradle, a reversible power-hoist mounted at the top of said frame and having a chain or the like connected to the cradle whereby said ice-cans can be lowered to generally upright position partly immersed within the freezing-tank and whereby said ice-cans can be raised to generally horizontal position above the freezing-tank with their open-tops somewhat downwardly-inclined, one or more thaw-pipes mounted on said frame and constructed and ar-

ranged to spray thawing-water over said ice-cans in their last-mentioned generally horizontal position so as to free the ice-blocks formed therein and to permit the ice-blocks to slide out of the ice-cans through their open-tops, said frame being provided with a splash-shield to keep the thawing-water from running into the freezing-tank, a water-reservoir mounted adjacent the top



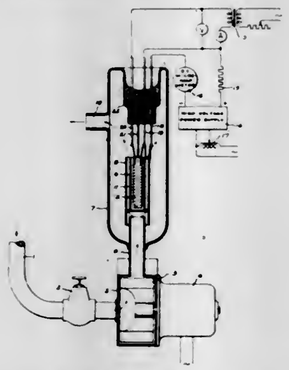
of said frame and constructed and arranged to fill the ice-cans with water-to-be-frozen by gravity after the ice-cans have been lowered to their generally upright position, and a thermal-insulated air-pipe carried by said cradle and communicating with the bottoms of said ice-cans whereby air can be bubbled through the water-filled ice-cans during the freezing operation.

2,550,498

METHOD AND APPARATUS FOR ELECTRICALLY DETECTING VAPORS AND THE LIKE

Chester W. Rice, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 14, 1947, Serial No. 754,657
54 Claims. (Cl. 175—183)



15. The method of detecting in an atmosphere the presence of a finely divided substance capable of facilitating the formation of positive ions in the presence of a heated conductive surface sensitized by a sensitizing material capable of inducing ion formation in the presence of said surface which method comprises, sensitizing such a surface with such a sensitizing material, bringing a quantity of said atmosphere containing the substance into contact with said surface and detecting the presence of said substance by the measurement of the positive ions at said surface.

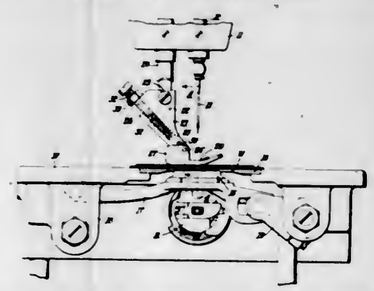
38. A detector for a finely divided atmospheric substance capable of facilitating the formation of ions in the presence of a sensitizing material capable of inducing ion formation at a conductive surface comprising an electrical discharge device including a pair of electrodes, means for sensitizing at least one of said electrodes with such a sensitizing material, means for causing a quantity of an atmosphere containing said substance to pass between said electrodes, means for imposing an electrical potential difference between said electrodes, and means for detecting changes in the current between said electrodes caused by the formation of ions at one of said electrodes due to the presence of said substance.

2,550,499

PRESSER DEVICE FOR SEWING MACHINES

Herman Ritter, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application January 7, 1949, Serial No. 69,675
6 Claims. (Cl. 112—235)



6. A detachable presser-unit for sewing machines having a presser-bar, comprising a body-member adapted to be attached to said presser-bar and having a mutually perpendicular bore and slot formed therein, a block slidably disposed in said bore, a pivot pin carried by said block perpendicular to the axis of said bore and extending through said slot in the body member to confine the block for limited translation in said bore, a presser-foot carried by said pivot-pin, a spring disposed in said bore and bearing at one end against said block, and a spring-pressure adjusting screw contacting the other end of said spring.

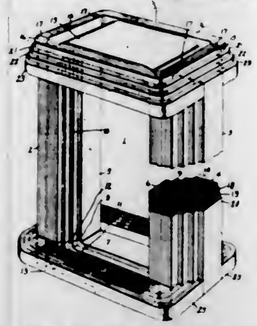
2,550,500

LOW YOKE TRANSFORMER CORE

Le Roy S. Schell, Jr., Lenox, Mass., assignor to General Electric Company, a corporation of New York

Application September 24, 1948, Serial No. 50,973
1 Claim. (Cl. 175—356)

A single phase core for electrical induction apparatus comprising, two similar laminated straight parallel cruciform-cross-section winding legs whose laminations are all parallel with each other and perpendicular to a common plane through the center lines of both legs, and generally U-shaped yoke members of radially nested flatwise curved strips of magnetic material which interconnect the corresponding ends of said winding legs, the yoke laminations which interconnect the corresponding leg laminations of the inner half of the core being as wide as said leg laminations and having the plane of their center lines coinciding with the plane of the center lines of said leg laminations, the yoke laminations which interconnect the corresponding leg laminations of the outer half of the core being divided into two groups each of half the width of said last-mentioned leg laminations, the center lines of said two groups of yoke laminations being in planes perpendicular to the plane of the center



lines of said leg laminations, the inner edges of all of the last-mentioned outer yoke laminations being in the plane of the center part of the adjacent innermost U-shaped lamination of the first-mentioned yoke laminations so as to provide a relatively wide, flat support for conductive windings on said winding legs, the last-mentioned yoke laminations being of progressively varying width in accordance with the cruciform cross section of said legs.

2,550,501

GAP BRIDGING LAMINATION FOR NOISE REDUCTION IN MAGNETIC STRUCTURES

Marion W. Sims, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 31, 1949, Serial No. 136,197
3 Claims. (Cl. 171—242)



1. In a laminated magnetic structure of the type wherein a core is provided with an air gap, a single lamination for bridging said air gap, means for clamping the free ends of the laminations separated by said air gap to reduce the noise produced by elastic deformation of the structure resulting from magnetic forces, said means comprising an arrangement for applying a transverse force to the laminations on each side of said air gap and immediately adjacent thereto to rigidly clamp said single bridging lamination and thus give a minimum mean effective free length thereto.

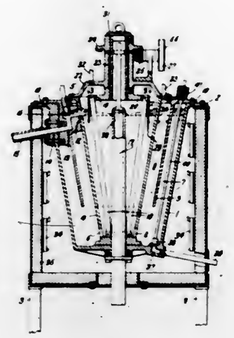
2,550,502

APPARATUS FOR PURIFYING METALS

George H. Sittner, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 30, 1948, Serial No. 5,346
2 Claims. (Cl. 266—37)

1. In a lead melting and cleaning apparatus a melting and pressure chamber, a centrifugal chamber having a discharge opening adjacent the top in the wall thereof with a valve therein controlling the flow of molten lead through said opening and another opening in the wall of said centrifugal chamber adjacent the base thereof interconnecting said chamber with said melting and pressure chamber, a rotatable agitator within said centrifugal chamber with the axis of rotation thereof coincident with the axis of said chamber, an impurities drain tube axially disposed within said centrifugal chamber, an end of said tube within said chamber located at an elevation above said discharge opening in the wall of said chamber, and heating means mounted in heat exchange relationship to said chambers to melt and maintain the lead in said chambers in a molten state.



2,550,503

GRANULAR POLYVINYL RESINS

Norris Turnbull, Grand Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 1, 1947, Serial No. 758,483
16 Claims. (Cl. 260—27)

1. The process which comprises applying to the surfaces of a granular, thermoplastic polymerized vinyl carboxylate, in the proportion of 0.1 to 5% of the dry weight of said carboxylate, a rosin product selected from the group consisting of rosin, abietic acid, hydrogenated rosin and polymerized rosin.

2,550,504

HEATED WINDSHIELD WIPER BLADE CONSTRUCTION

Thomas J. Vidrick and Walter F. Karstens, Arlington Heights, Ill.

Application August 6, 1949, Serial No. 109,116
7 Claims. (Cl. 219—19)

1. A windshield wiper having a mounting post, a hollow shaft mounted therein, means for reciprocally rotating the same, an arm mounted on said shaft, a pivoted bracket at the end of said arm, a windshield wiper bracket secured to said bracket, a rubber wiper blade carried by said bracket, a resistance wire embedded in said blade, one end of the same grounded to said bracket and the other end connected by a conduit to a source of energy, said conduit extending through said

arm, said hollow shaft and said mounting post, said conduit including a pin member in said



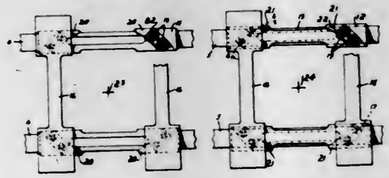
hollow shaft normally rotatable against a spring blade member during operation.

2,550,505

RAILWAY VEHICLE CENTER BEARING

Robert Walsh, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application December 22, 1945, Serial No. 636,872
8 Claims. (Cl. 105—175)



1. A railway vehicle truck center bearing comprising four segmental arcuate bearing guides arranged around a common center on the longitudinal center line of the truck forming a sectional center bearing, said sectional center bearing being adapted to be slidably supported on the side frames of said vehicle truck for permitting limited longitudinal movement of said bearing relative to said truck, sectional bearing members secured to the vehicle frame and respectively arranged in sliding engagement with said bearing guides for supporting the vehicle thereon and for guiding the pivotal movement of said truck with respect to said vehicle frame, each of said bearing members comprising a plurality of telescopically arranged members with compression loading coil springs arranged therein for resiliently biasing apart said telescopically arranged members to provide a resilient load equalizing system on said four segmental bearing guides.

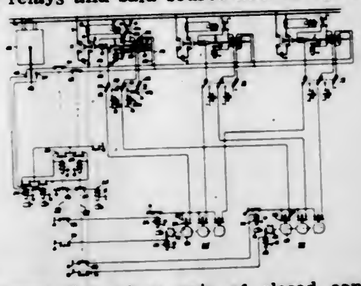
2,550,506

AUTOMATIC SELECTIVE SWITCHING EQUIPMENT

Orville Wasson, Havertown, and James R. Palmer, Yeadon, Pa., assignors to General Electric Company, a corporation of New York

Application May 9, 1950, Serial No. 160,878
3 Claims. (Cl. 323—105)

1. A control device for automatically connecting and disconnecting an alternating current power circuit and a plurality of capacitors for regulating the flow of reactive volt-amperes in said circuit comprising a power source, closing and opening starting relays, a var relay connected to said circuit and connected between said starting relays and said source, said var relay being responsive to increased flow of volt-amperes in said circuit in excess of a predetermined value to energize said closing starting relay and responsive to diminution of said excess flow to energize said closing starting relay, closing and opening operating relays respectively energized by said starting relays, said operating relays having normally closed contacts respectively connected between said source and said starting relays, a time delay energizing relay having normally closed contacts connected between said operating relays and said source and energized by



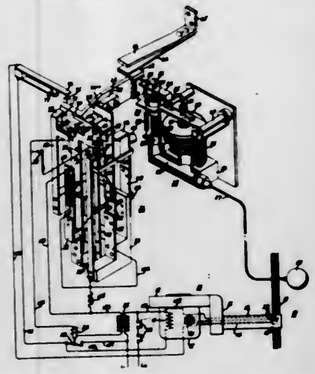
said source through a pair of closed contacts upon said operating relays to energize said operating relays after said starting relays are de-energized, circuit breakers connected between each of said capacitors and said power circuit, sequential switches respectively connected through normally open contacts upon said operating relays to said source, said switches having contacts connected to the energizing and trip circuits of said capacitors for closing and opening said circuit breakers according to a predetermined sequence, whereby said capacitors are connected to said circuit in predetermined sequence and disconnected from said circuit in the sequence to which they are connected thereto.

2,550,507

CONDITION RESPONSIVE, TIMING, AND SEQUENCING CIRCUIT CONTROL

Albert Wellman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application May 31, 1946, Serial No. 673,338
13 Claims. (Cl. 158—28)



1. A condition responsive timing and sequence control having in combination circuit control

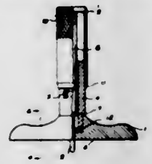
means including a switch for closing a circuit, means for closing said switch upon termination of a predetermined condition including a condition responsive device, a thermal timing element having an electric heater in said circuit for opening said switch upon a predetermined heating of said element, and interlocking connections between said device and said element for maintaining said switch open upon non-response of said device to said condition during cooling of said element.

2,550,508

TIRE GAUGE

George A. Wiedemer, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Delaware

Application June 7, 1949, Serial No. 97,626
1 Claim. (Cl. 33—169)



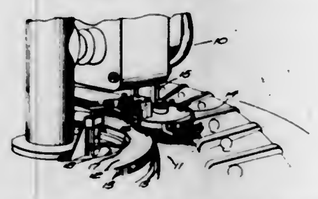
A depth gauge of the plunger type for measuring tire wear, the base of which gauge is solid and has a flat underside, a cylindrical barrel attached at the center of the top of the base, a plurality of scales on the outer surface of the barrel, a channel through the barrel and a plunger located therein, a cap fitting over the end of the barrel to which the plunger is attached, the bottom edge of the cap movable over the scales and beveled to a sharp edge to serve as the indicator for the scales, each scale of different unit length to correspond to the original tread depth of certain tires, each scale decreasing downwardly and divided into decimal fractions with the 100 per cent position on all of the scales indicated by the bottom edge of the cap when the bottom of the plunger is level with the bottom of the base, and a rubber cushion between the bottom of the barrel and the base which projects into the channel in contact with the plunger to prevent slippage of the plunger after a reading has been made.

2,550,509

DABBING BRUSH

Granville M. Wilcox, Providence, and Frank D'Angelo, Esmond, R. I., assignors to P. W. Products Corporation, Esmond, R. I., a corporation of Rhode Island

Application January 9, 1948, Serial No. 1,310
4 Claims. (Cl. 19—124)



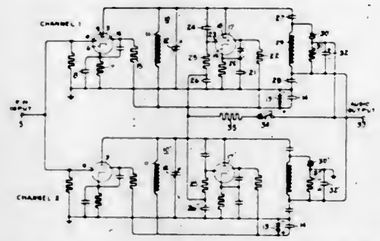
1. Dabbing brush mechanism for Noble type combing machines comprising a brush housing adapted to be attached to reciprocating mechanism, a brush element rotatably mounted in said housing and having an annular gear, a spur gear rotatably mounted on the housing and meshing with the annular gear, a ratchet wheel associated with said spur gear, said spur gear and said ratchet wheel having a common shaft, and a lever pivoted to the housing and having a ratchet latch pivoted thereon and engaging said ratchet wheel and adapted to be intermittently actuated.

2,550,510

FREQUENCY MODULATION DETECTOR CIRCUIT

James F. Wilcox, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application June 3, 1949, Serial No. 97,047
4 Claims. (Cl. 250—27)



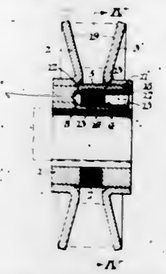
1. A detector circuit for demodulating a frequency modulated carrier wave, comprising a pair of similar amplifying channels, each of said channels comprising a resonant circuit, a reactance modulator connected in parallel therewith and an amplitude detector connected across said resonant circuit, said channels being tuned to resonance at frequencies equally spaced from and on either side of the center frequency of said wave, connections to combine the output voltages from said detector circuits in series-aiding relationship, and a feedback connection to apply a portion of said combined output voltages to said reactance modulators to shift the tuning points of said circuits in the direction of the instantaneous frequency deviation of said carrier wave.

2,550,511

ADJUSTABLE PULLEY

William A. Williams, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 25, 1946, Serial No. 686,058
3 Claims. (Cl. 74—230.17)



1. An adjustable diameter pulley comprising a cylindrical hub externally threaded throughout a portion of its length, a flange fixed to the un-

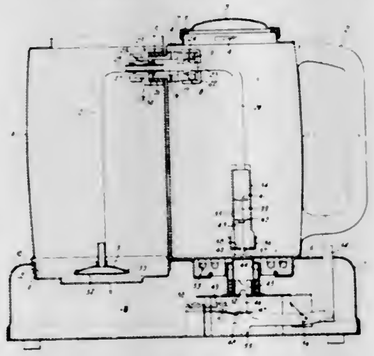
threaded portion of said hub, a movable flange having threads engaging the threaded portion of the hub, a longitudinally extending cavity formed in the threaded portion of the hub with the axis of the cavity spaced radially from the axis of the hub, a tongue formed at the outer portion of the cavity by spaced parallel longitudinally extending slots which intersect the cavity, said tongue having capacity for movement relative to the hub, and a screw mounted in said cavity in threaded engagement with the hub and having a conical wedge face engaging the tongue whereby the tongue may be moved outwardly to lock the movable flange in selected positions on the hub.

2,550,512
BRAZING PROCESS
James N. Woolrich, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 11, 1948, Serial No. 26,295
1 Claim. (Cl. 113—112)



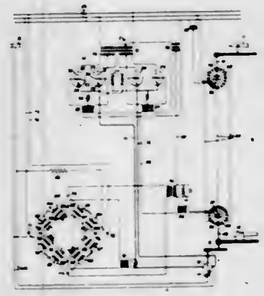
The process of joining metal tubing to a metal sheet which comprises (1) placing the tubing in contact relationship with the metal sheet, (2) applying to the said tubing and sheet a clamp consisting of brazing material and which has a curved section conforming to the shape of the tube and a flattened portion coplanarly extensive with the metal sheet and contacting both the tubing and metal sheet, (3) spot-welding the clamp to the aforesaid sheet, and (4) thereafter heating the total assembly to fuse the brazing material comprising said clamp thereby to braze said tubing and metal sheet together.

2,550,513
SIDE-BY-SIDE COFFEE MAKER
Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application December 24, 1948, Serial No. 67,136
5 Claims. (Cl. 99—292)



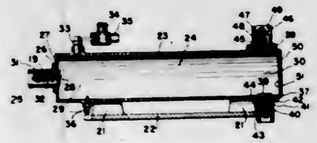
1. In a coffee maker, a brewing receptacle, a water heating receptacle removably positioned beside said brewing receptacle, said heating receptacle having a handle and a cover sealable thereto, a spout secured to said heating receptacle having a cylindrical portion extending thereinto and a nozzle projecting normal to the wall thereof, said cylindrical portion having a plurality of annular apertures formed therein, liquid transferring means comprising a plurality of separably connected tubes extending from said heating receptacle through said spout to a point adjacent the bottom of said brewing receptacle, one of said separable connections being located within said spout, coffee filtering means secured within said brewing receptacle to the lower end of one of said tubes, and a socket secured to said brewing receptacle and having a resilient gasket arranged to receive and adhere to said nozzle to form an easily separable fluid-tight connection between said nozzle and said socket.

2,550,514
SYSTEM FOR REPRODUCING POSITION
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 19, 1932, Serial No. 612,283
39 Claims. (Cl. 318—30)



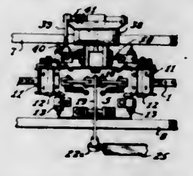
37. A positional control system comprising a motor, a controlled object driven therefrom, a controlling object, means for creating an electric signal variable in accordance with the relative displacement of said objects, means for deriving from the counter E. M. F. of said motor an electric signal variable in accordance with the speed thereof, and amplifying means receiving and jointly controlled by said two electric signals, said amplifying means supplying a potential proportional to the combination of said signals to control the operation of said motor.

2,550,515
GAS COMPRESSOR
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 19, 1947, Serial No. 786,949
1 Claim. (Cl. 230—72)



A gas compressor, comprising a casing defining a chamber and having an inlet port therefor, a pressure responsive valve to seat in the inlet port for valving combustion-supporting air into the chamber, means for injecting fuel into the combustion-supporting air to produce an explosive mixture, means for igniting the explosive mixture, an air inlet port in the casing at a distance approximating one half of an explosion wave length from the point of explosion in the chamber, a valve acting directly in response to a pressure wave of the explosion for valving air through the air inlet port into the chamber, a discharge port located in the casing in substantially the same transverse plane as the air inlet port, a check valve acting responsively to the pressure wave of the explosion for controlling the flow through the discharge port of the air compressed by the pressure wave and exhaust gas from the explosion, and a reflecting surface on the casing serving to reflect the pressure wave of one explosion to compress the next succeeding charge of explosive mixture.

2,550,516
MECHANISM FOR SEALING CARTONS
Leonard Back, Middletown, Ohio, assignor to The Interstate Folding Box Company
Application April 27, 1946, Serial No. 665,565
21 Claims. (Cl. 93—49)



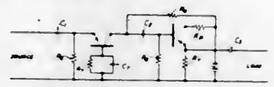
1. In a mechanism for sealing seal-end cartons having body walls and closure flaps, means for engaging erected cartons and for moving said cartons through a path of travel, a blade, means for causing said blade to travel with said cartons, means for outfolding at least one carton flap, means for moving said blade to a position overlying an outfolded flap and extending across the open end of a carton substantially at the score line by which said flaps are articulated to the body walls of said carton, means for infolding and adhesively securing a plurality of flaps over said blade, means for pressing said folded and secured flaps against said blade, and means for withdrawing said blade.

2,550,517
FLEXIBLE CONNECTION
Max G. Bales, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1945, Serial No. 582,593
8 Claims. (Cl. 64—11)



1. A flexible connection comprising, a sleeve and a shaft movably mounted within the sleeve, said shaft having radial projections extending through radial openings provided by the sleeve; a hollow metal member mounted on each projection; a compressed soft rubber bushing surrounding each metal member and having its outer periphery contacting the marginal walls of its respective opening; an apertured member mounted on each projection and engaging the outer end of the rubber bushings; and means for holding the members in position and for maintaining the soft rubber bushings under compression.

2,550,518
CONTROL OF IMPEDANCE OF SEMICONDUCTOR AMPLIFIER CIRCUITS
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application November 6, 1948, Serial No. 58,684. Divided and this application November 15, 1949, Serial No. 127,439
11 Claims. (Cl. 179—171)



5. An amplifier adapted to be connected in cascade between a low impedance source and a low impedance load, which comprises a first transistor amplifier network of the grounded-base configuration, having input terminals, output terminals, an intrinsically low input impedance and an intrinsically high output impedance, a second transistor amplifier network of the grounded-collector configuration having input terminals connected to the output terminals of the first network and an output circuit, a resistor, said resistor and said low impedance load being connected in said circuit, said resistor being proportioned, in dependence on the transistor parameters and on the impedance of said load, to make the input impedance of the grounded-collector stage equal to the output impedance of the grounded-base stage.

2,550,519
RADIO TRANSMITTER-RECEIVER STATION WITH AUTOMATIC FREQUENCY CONTROL
Roger Bataille, Montmorency, France, assignor to Societe Francaise des Telecommunications, Neuilly-sur-Seine, France, a corporation of France
Application August 2, 1947, Serial No. 765,763
In France June 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1966
12 Claims. (Cl. 250—13)



10. In an apparatus for transmitting and receiving radio-oscillations on any desired frequency of a continuous frequency band, a superheterodyne receiver comprising means for picking up incident oscillations in any one of said continuous band of frequencies, a first mixer fed with the picked up oscillations, a first local oscillator adapted to supply over a frequency band substantially equal in width to said first-mentioned frequency band, a discontinuous sequence of uniformly displaced frequencies, means for feeding additionally said first mixer with one of said sequence of frequencies, a filter fed with the

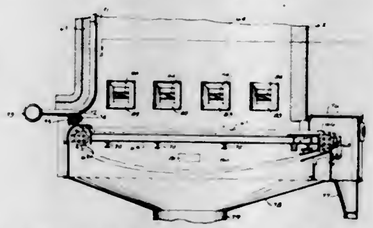
output oscillations from said mixer and passing only a frequency resulting from the mixing of said oscillations, a second mixer fed firstly with the oscillations passing through said filter, a second local oscillator of low natural frequency supplying oscillations the frequency of which may have any value over a continuous frequency interval substantially equal to the displacement between two adjacent frequencies of said sequence, a second filter fed with the output oscillations from said second mixer and passing only one of the resulting mixer frequencies, a discriminator fed with the oscillations passing said second filter, and a transmitter comprising a pilot oscillator, means for radiating the energy piloted by said oscillations, means for varying the frequency of said pilot oscillations, means for varying the frequency of said pilot oscillator over said continuous frequency band, and means for automatically controlling the frequency of the pilot oscillator under the control of said discriminator.

2,550,520
JOINT STRUCTURE FOR LAMINATES
Clarence G. Bennett, San Mateo, Calif.
Application November 12, 1947, Serial No. 785,494
3 Claims. (Cl. 229—48)



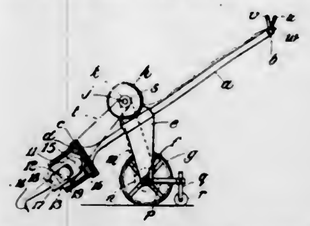
3. A joint structure fashioned from a composite sheet having a first sheet member having a layer of heat sealing material on each side thereof, a petroleum wax layer on one of said heat sealing layers terminating short of the sheet edge to provide an exposed terminal area of the heat sealing material, and a second sheet member overlying and coextensive with the paraffin wax layer; the joint comprising said composite sheet joined to itself with a portion thereof extending over and covering the exposed terminal area of the sheet and a portion of the second sheet member and with heat sealing surfaces on the first sheet in face-to-face engagement, the petroleum wax layer having been melted to provide a seal between the adjacent terminal edges of the sheet and the second sheet member and the portion of the composite sheet overlapping the second sheet member.

2,550,521
STOKER COMPRISING FURNACE SIDE WALL FUEL FEED MEANS
Joseph S. Bennett, Merion, and Allen W. Thorson, Narberth, Pa., assignors to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 24, 1946, Serial No. 664,566
6 Claims. (Cl. 110—40)



1. A furnace having front, rear, and relatively long side walls defining an elongated combustion chamber, one of said side walls having a plurality of longitudinally spaced openings therethrough above the bottom of said combustion chamber; and a stoker including a moving grate mounted at the bottom of said combustion chamber and below said openings for moving fuel deposited on said grate from one end of said combustion chamber to the opposite end thereof and a plurality of longitudinally spaced fuel feeding and distributing means mounted along said one side wall, one of said means operative through each of said openings, for feeding and distributing fuel to the grate transversely of the direction of movement of said grate and over the entire area of said grate.

2,550,522
RECIPROCATORY HOE
James Dominic Bolongaro, Charlbury, England
Application January 9, 1947, Serial No. 720,982
In Great Britain January 24, 1946
1 Claim. (Cl. 97—44)



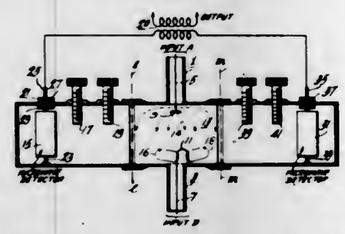
In a hoe, the combination including a carriage adapted to be moved over the ground to be hoed and wherein the hoe blade is arranged to be oscillated at a large angle to the horizontal, a socket plate fastened at the base of said carriage, a downwardly opening tool socket member detachably mounted on said socket plate, an L-shaped blade member having two arms, one of which is pivotally mounted in said socket member and having a slot therein, the other arm constituting the hoe blade, and an eccentric rotatably mounted in said socket and engaging said slot so as to oscillate said L-shaped blade member when the eccentric is rotated.

2,550,523
DISHWASHING MACHINE FEEDER
Henry Borgerding, Lodi, N. J., assignor to Universal Washing Machinery Co., Nutley, N. J., a corporation of New Jersey
Application August 21, 1947, Serial No. 769,863
11 Claims. (Cl. 198—221)



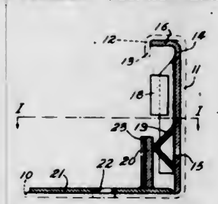
1. In a dishwashing machine comprising a casing having a washing chamber wherein dishes within a dish container are washed, said chamber having an inlet through which a container passes into and an outlet through which a container passes out of the chamber, and apparatus for conveying dish containers through the washing chamber, said apparatus comprising reciprocating means adapted to normally operatively act upon a container at intervals and intermittently advance said container from the chamber inlet toward the chamber outlet, means for imparting reciprocating movement to said reciprocating means, locking means in the chamber adapted in its operative position to engage and lock said container in relationship to the reciprocating means for reciprocal movement therewith thereby preventing intermittent movement thereof by the reciprocating means and in its inoperative position to disengage said container and permit said intermittent movement, and actuating means associated with the locking means and disposed in the path of a container so as to be engaged by said container entering the chamber and be disengaged thereby when the container is advanced to a predetermined position in the chamber by said reciprocating means, the actuating means cooperating with the locking means so as to actuate said locking means to its inoperative position when the actuating means is in engagement with said container.

2,550,524
BALANCED MICROWAVE DETECTOR
Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1945, Serial No. 611,646
5 Claims. (Cl. 250—27)



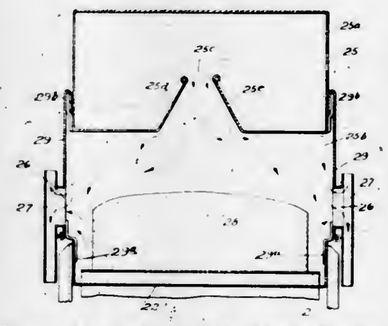
1. A balanced microwave detector for a pair of signal sources comprising a pair of waveguide sections, a pair of wave detecting means disposed within and adjacent to opposite ends of said waveguide sections, a first input signal source aperiodically coupled inductively through said waveguide sections to both of said detecting means for coupling signals thereto in phase opposition, a second input signal source aperiodically coupled capacitively in-phase through said waveguide sections to both of said detecting means, and means for connecting said detecting means to a utilization circuit.

2,550,525
ROAD FORM JOINT
Ottwin L. Braun, Pittsburgh, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application April 2, 1947, Serial No. 738,871
3 Claims. (Cl. 25—118)



1. A joint for road rail forms having spaced parallel base and tread flanges with a vertical web therebetween which comprises a joining plate abutting against said web and extending from said base to said tread flanges so that said flanges confine movement of said plate to a sliding movement along said web in a horizontal direction, and means resiliently maintaining said plate abutting against said web comprising a spring plate connected to and projecting upwardly from said base flange but being spaced from said web a distance greater than the thickness of said joining plate, and a force-transmitting member connected to said joining plate and having a narrow line-like surface movable rectilinearly over the surface of said spring plate upon sliding movement of said joining plate along said web, said narrow line-like surface being spaced from said base flange, and said joining plate and force-transmitting member having an overall thickness greater than the spacing of said spring plate from said web so that said spring plate will be resiliently deflected away from said web when the joining plate is slid to an operative position between the joining and deflecting plates with said surface engaged with said spring plate, the resilience of said spring plate upon deflection thereof reacting against said force-transmitting member to hold said joining plate tightly against said web.

2,550,526
APPARATUS FOR PROCESSING ICED BAKERY PRODUCTS
Louis H. Braun, Beaver, Pa., assignor to Keystone Bakery, Inc., West Bridgewater, Pa., a corporation of Pennsylvania
Application September 11, 1947, Serial No. 773,463
3 Claims. (Cl. 34—233)

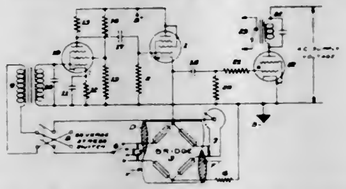


1. In combination with a conveyor belt for moving articles from one station to another, a double-chambered duct, the lower chamber of which surrounds said conveyor and through which the articles are conveyed, means for circulating air under pressure through said upper chamber, a wall member forming said upper and lower chambers, a slot extending the length of the wall member, and upwardly converging wall members extending along the edges of the slot.

2,550,527
CONDITION RESPONSIVE MOTOR CONTROL SYSTEM
Edmund C. Capuzzi, Philadelphia, Pa., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application February 5, 1947, Serial No. 726,474
8 Claims. (Cl. 318—28)

1. In combination; an oscillator circuit having a bridge with an electrical impedance condition responsive means in at least one arm of the bridge, and a vacuum tube amplifier, the input side of the bridge being connected in the output

circuit of the amplifier so as to excite the bridge and the output side of the bridge being connected in the input circuit of the amplifier to form a feed-back arrangement, whereby the amplitude of the feed-back is controlled by the degree of bridge unbalance and the phase of the feed-back is determined by the direction of bridge unbalance thereby determining whether oscillation



will occur; a control member located outside of said oscillator circuit and being responsive to a condition external thereof for varying the impedance of said condition responsive means in either direction from a predetermined value for controlling said occurrence of the oscillation; and remote control means actuated by the oscillator voltage.

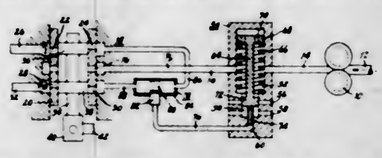
2,550,528
SUPERSONIC INSPECTION
Benson Carlin, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application June 7, 1947, Serial No. 753,327
2 Claims. (Cl. 73—67)



1. In a device for measuring and directly indicating thickness of an object, means for generating a predetermined frequency range of supersonic electrical oscillations, electro-acoustic transducer means energized by said oscillations for transmitting vibrations into the object and for receiving the vibrations from the object, the object vibrating at peak resonance at its basic frequency and at multiples of the basic frequency during the sweep of the vibrations through the predetermined range, a filter for separating the frequency of supersonic oscillation from the frequency of the occurrence of peak resonance, and means responsive to the frequency of occurrence of the resonant peaks as a measure of thickness of the object.

2,550,529
CONTROLLABLE PITCH PROPELLER
Howard Carson and Richard E. Moore, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 11, 1944, Serial No. 562,960
19 Claims. (Cl. 170—160.21)

6. A propeller control mechanism of the character described for use with an hydraulically adjustable rotatable propeller having a hub and blades, with fluid actuated means for adjustment of the pitch of the blades, comprising, a rotating regulator including means providing a source of pressure fluid, a pair of fluid pressure conduits for supplying directed fluid pressure to the fluid actuated means, a governor valve having control ports opening into said conduits responsive to the speed of rotation of said propeller for directing said pressure fluid to one or the other of said conduits, pressure controlling means in the regulator exposed to said source for maintaining the potential of said source at a normal operating pressure, means mounting a part of said pressure controlling means radially of the regulator for re-



sponse to centrifugal force, a spring acting in assistance to the centrifugal force tending to increase the pressure above said normal operating pressure, and pressure load control means with passage means connecting it with a pressure conduit responding to the potential of said pressure source to meet the requirements of operation of the fluid actuated means as directed by the governor.

2,550,530
SWING
Frank Cartwright, Old Hill, England
Application October 23, 1947, Serial No. 781,633
In Great Britain September 11, 1946
3 Claims. (Cl. 155—58)



1. A swing comprising a rigid tension member, a seat rigidly connected to the lower end of said member, an overhead bracket, cheeks of said bracket disposed at either side of said tension member, a pin passing through said cheeks and said tension member, a lateral extension of one of said cheeks, a slanted slot in said extension, a downwardly bent arm of said pin adapted to be entered into said slot, and spring means adapted to retain said arm against the inner end of said slot.

2,550,531
REFORMING PROCESS AND CATALYST THEREFOR
Frank G. Ciapetta, Llanerch Hills, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 29, 1949, Serial No. 135,736
11 Claims. (Cl. 196—50)

6. A catalyst comprising a component having a hydrocarbon cracking activity and a metal from the group consisting of platinum and palladium, said component comprising silica and alumina and having a surface area in the range of about 10 to about 65 square meters per gram of said component.

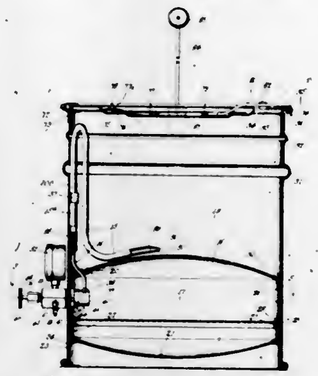
2,550,532
FOUNDATION FOR GARMENT COATS AND METHOD OF MAKING THE SAME
Paul Cipkar, Chicago Heights, Ill.
Application April 2, 1948, Serial No. 18,577
18 Claims. (Cl. 2—255)



8. A foundation liner for garment coats, including in combination a piece of tailors' canvas cut and shaped to extend around part of the neck and over the chest and shoulder and upper portion of the back of a person and to an arm hole of said foundation, an arch-shaped coat-supporting structure of hair cloth connected with said canvas and extending from adjacent the neck portion thereof over the shoulder point and to the arm hole of said foundation, said arch-shaped structure extending under said canvas from in front of the shoulder over the same and to the back thereof, said arch-shaped structure including a main piece of hair cloth curved to said arch shape and held by said canvas, and a plurality of re-enforcing pieces of hair cloth each of smaller area than and bent to the curvature of said main piece and extending around the greater portion of the arm hole of said foundation, said re-enforcing pieces having progressively smaller areas than each other and having similar edges adjacent an edge of said main piece extending around the arm hole of said foundation, and means securing together said canvas, said main piece and said re-enforcing pieces and holding the same in said arch form with the hairs of each of said re-enforcing pieces extending in the direction of curvature of said arch-shaped structure, said securing means including a fabric binder applied to the side of said arch-shaped structure remote from said canvas and securely stitched to said canvas and to said main piece and to each of said re-enforcing pieces.

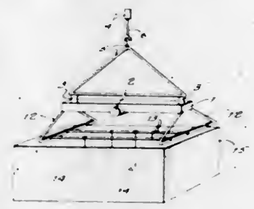
2,550,533
MINNOW BUCKET
Reid Clark, Camden, Ala., assignor, by decree of court, to Thelma Clark
Application June 16, 1947, Serial No. 754,952
5 Claims. (Cl. 43—57)

1. A minnow bucket comprising a bucket body, a partition dividing same into air and water compartments, a flow line in the water compartment, an air line to the flow line originating in the air compartment, an air control fitting having an air outlet connected to the air line and an inlet port communicating with the air compartment, a valve between the air outlet and inlet port, a gage casing on the outside of the bucket body having means extending into the body wall and coupled to the fitting, a stem for the valve threadedly engaged in the casing and projecting therebeyond, said casing having an internal chamber in continuous communication through the port with the air compartment, a gage connected to said chamber, an air intake valve unit carried by the casing and connecting with the chamber, and a relief valve unit also



carried by the casing and connecting with the chamber.

2,550,534
VIBRATING SUSPENSION APPARATUS
Emile Damond, Paris, France
Application August 4, 1947, Serial No. 765,837
In France December 17, 1943
Section 1, Public Law, 690, August 8, 1946
Patent expires December 17, 1963
3 Claims. (Cl. 259—1)

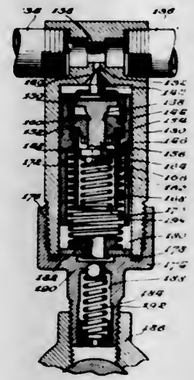


1. An apparatus of the kind described comprising in combination an elongated support member; a plurality of movably interconnected relatively rigid elements for suspending said support member from a relatively stationary part, the said elements being disposed intermediately of the ends of said support member; vibration damper means interposed between said support member and said interconnected elements; arms extending from the ends of said support member for maintaining a part to be vibrated; and a vibration mechanism secured to the lower face of said support member intermediately of the ends of the same.

2,550,535
MEASURING VALVE
Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application August 26, 1942, Serial No. 456,281. Divided and this application October 6, 1945, Serial No. 620,761
4 Claims. (Cl. 184—7)

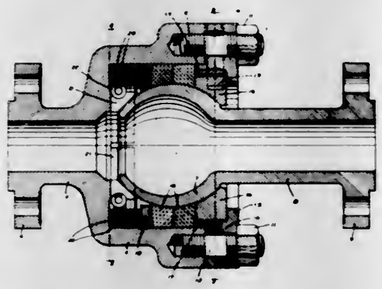
1. A measuring valve of the class described, comprising a body having a lubricant inlet provided with a valve seat and a cylinder communicating with said inlet, a hollow piston recipro-

cable in said cylinder, a valve means carried by said piston for co-acting with said seat, a spring for urging said piston and valve means toward said seat, by pass means for said piston, conduit means for connecting said cylinder with a bearing surface, a check valve in said conduit means for preventing return flow therethrough, a pressure relief member reciprocable in said piston, said member having a portion movably extend-



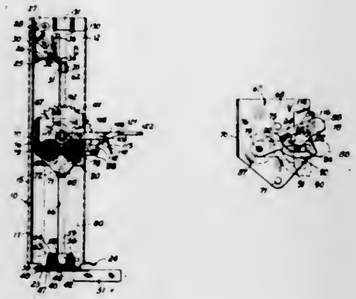
ing into the hollow portion of said piston whereby reciprocation of said member varies the capacity of the hollow portion of said member and thereby relieves pressure of lubricant in said piston and a spring interposed between said piston and said pressure relief member for moving the latter relative to said piston, said by-pass means being separate and distinct from said pressure relief member.

2,550,536
HIGH-PRESSURE BALL AND SOCKET PIPE JOINT
Raymond P. Delano, Jr., and Robert W. Gregson, Baltimore, Md., assignors, by mesne assignments, to Franklin Railway Supply Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1947, Serial No. 755,750
14 Claims. (Cl. 285—94)



1. In a flexible pipe joint comprising a ball and a socket, a bearing seat in the socket adapted to engage the ball to relatively position the ball and socket, a packing ring adapted to provide a seal between the ball and socket, and separate springs serving respectively to retain the ball in engagement with said seat and to tighten the sealing ring.

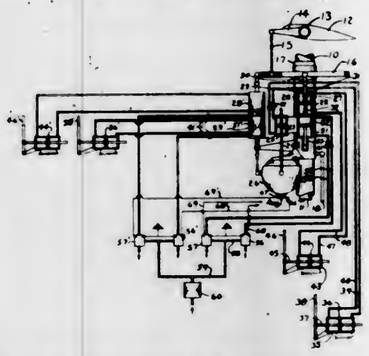
2,550,537
CONTENT DISPENSING DEVICE FOR COLLAPSIBLE TUBES
Douglas D. Derrick, Olivette, Mo.
Application November 28, 1947, Serial No. 788,625
2 Claims. (Cl. 222—102)



1. In a device for holding a collapsible tube and dispensing the contents thereof, a frame adapted for vertical mounting and providing a vertical trackway, means adjustably mounted on the frame near the upper end of the trackway, provided for clamping attachment to the sealed end of a collapsible tube to support the tube in suspension vertically along the trackway, means providing a valved discharge port, removably carried by the frame at the lower end of said trackway, an element on the last said means adapted for receiving the discharge end of the tube to locate the same in alignment with said valved discharge port, a compressor including freely rotatable tube press elements located for embracing the tube, guidedly supported relative to said trackway, and means for effecting step-by-step movement of said compressor in tube-collapsing advance along the tube, said means including a rack on said frame and substantially co-extensive with said trackway, a gear rotatably carried by said compressor and engaging said rack, lever means including a pawl engageable with said gear, pivotally supported on the compressor, and stop means positioned on the compressor for engagement by said lever means to limit pivotal displacement of the latter.

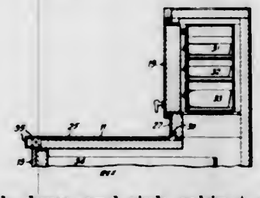
2. In a device for dispensing the contents of a collapsible tube, a frame, supports thereon for the sealed and discharge ends of the tube, a carriage supported on the frame for movement along the tube, a first press roll including a shaft, freely rotatably supported on said carriage, a second press roll including a shaft, said carriage providing slots receiving the ends of the shaft of said second roll, said press rolls being freely rotatable and arranged for embracing the tube, said carriage slots permitting limited displacement of said second roll and its shaft away from an operative position relative to the other roll, to facilitate passage of the sealed end of the tube between the rolls in mounting the tube on said supports, latch means pivoted on the shaft of said first roll and engaging the shaft of said second roll, operable in latching position to retain said second roll in said operative position thereof, and actuating means for said carriage operable to effect step-by-step movement thereof in tube-collapsing advance along the tube.

2,550,538
DIRECTIONAL AND TRIM CONTROL FOR ROTARY WING AIRCRAFT
Glidden S. Doman, Stratford, Conn., assignor to Doman Helicopters, Inc., a corporation of Delaware
Application August 9, 1946, Serial No. 689,458
22 Claims. (Cl. 244—17.13)



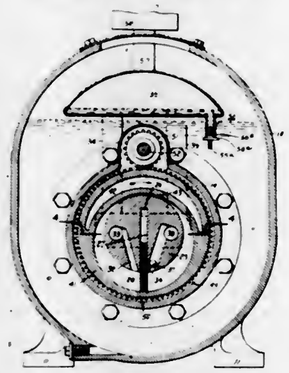
3. A trim and directional control for rotary wing aircraft having a universally inclinable azimuth plate for pitch control of the wings comprising operating means adapted to be connected between a fixed part of the aircraft and the azimuth plate, the operating means including a movable trim control member, a directional control member adapted to be connected with the azimuth plate, spring means engaging the movable trim control member and the directional control member to move the latter through the spring means upon movement of the former member, trim control means connected with the aircraft and the movable member to change the position of the latter, the spring means and the directional control member including gyroscopic means to automatically adjust the position of the movable member and hence the azimuth plate relatively to the aircraft upon short term change in attitude of the aircraft and holding the azimuth plate in position in space, and manually operable directional control means connected with the directional control member to move the latter against the resistance of the spring means.

2,550,539
TABLE-TOP MEMBER FOR KITCHEN UNITS
Guyon L. C. Earle, Forest Hills, N. Y., assignor, by mesne assignments, to Earle Kitchen Unit Corporation, New York, N. Y., a corporation of New York
Application June 21, 1945, Serial No. 600,800
2 Claims. (Cl. 4—187)



1. A dish-dryer and sink cabinet combination comprising a lower base cabinet portion having a sink therein, an upper portion including a dish-drying compartment the front plane of which portion is positioned to the rear of the front plane of the lower portion, said upper portion having a vertical splash member in the region of the top of said lower portion and a faucet projecting through said splash member and extending forwardly therefrom over the sink, and a table-top member attached to the upper front and side edges of said sink and having an upturned edge attached to the upper rear portion of said sink and which edge fits under said splash member to prevent water on said table-top member or in said sink from flowing under said splash member, said upturned edge being at an angle with respect to the table-top member which is much less than a right angle, whereby said table-top member can be put on and taken off without disengaging the faucet.

2,550,540
ROTARY PUMP
Vivian Richard Ebsary, Darlinghurst, near Sydney, New South Wales, Australia
Application August 9, 1945, Serial No. 609,801
In Australia August 10, 1944
7 Claims. (Cl. 103—121)

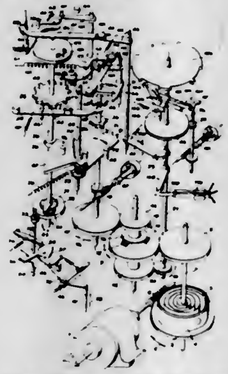


1. A rotary pump comprising a cylinder having a cover at one end and the other end being open, said cylinder constituting a housing and a bearing for a rotor, and a housing and a support for a stator; an axial boss constituting the stator affixed to the cover of said cylinder; a sleeve rotor having an eccentric bore housed in said cylinder; a cover on the end of said sleeve rotor remote from the cylinder cover, said sleeve rotor cover being a clearance fit in said cylinder; means to rotate said sleeve rotor concentrically in said cylinder; a sliding vane in said stator in contact with the eccentric bore of said rotor; a suction port in said stator on one side of said sliding vane; a discharge port in said stator on the other side of said sliding vane; and conduits from said suction and discharge ports projecting through said stator and said cylinder.

2,550,541
TELEGRAPH SYSTEM WITH AN ANSWER-BACK SIGNAL TRANSMITTER
Jean Estoup, generally known as Henri Estoup, Sceaux, France, assignor to Mecanique et Transmission Metran, Paris, France
Application October 1, 1949, Serial No. 119,191
In France October 5, 1948
9 Claims. (Cl. 178—4)

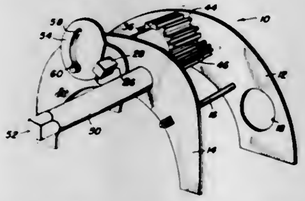
1. In an impulse telegraph system, the combination of a mechanism adapted to receive and

to translate impulse trains and including a character wheel, a spindle carrying same, and means actuated by the incoming impulses controlling the step by step progression of said wheel, a printing mechanism, yielding means urging said printing mechanism towards the character wheel for cooperation therewith when the main spindle of the mechanism stops at the end of the reception of an impulse train, a mechanism adapted to transmit a predetermined answer-back signal constituted by impulse trains separated by intervals, a winding up spindle, a single spring



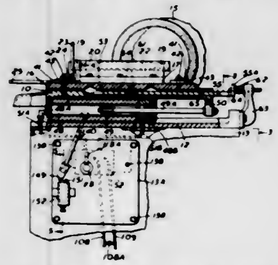
motor, a sun and planet gear including a planet carrier controlled by the spring motor and sun-wheels controlling respectively the second mechanism and the winding up spindle, means for locking the second mechanism against operation and means for releasing same operating through reception on the first mechanism of a predetermined signal, means whereby the winding up spindle controlled by the spring motor executes one revolution after each transmission for returning the first mechanism and the printing mechanism into their inoperative starting position.

2,550,542
LUG REMOVER FOR DUAL WHEEL ASSEMBLIES
Henry V. Factly, Burlington, Ill.
Application September 9, 1948, Serial No. 48,496
3 Claims. (Cl. 81—56)



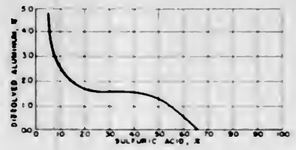
1. A dual wheel lug wrench comprising an anchor member mountable on a wheel assembly and including inner and outer parallel plates and connecting means between the plates, an outer sleeve rotatably supported on the inner plate and having a socketed end projecting beyond the inner plate to receive the outer nut of a dual wheel assembly, an inner sleeve rotatable within said outer sleeve and including a multi-sided end portion projecting through said outer plate, a locking plate having a multi-sided opening therein receiving the multi-sided end portion of said inner sleeve to hold the inner sleeve against rotation, means adjustably securing said locking plate to said outer plate, a shaft rotatably supported by said plates and paralleling said sleeves, a driven gear fixed about said outer sleeve, and a drive gear forming part of said shaft and meshing with said driven gear.

2,550,543
TRAVERSE MECHANISM FOR GRINDING MACHINES AND THE LIKE
Morgan Fairest, Sheffield, England, assignor to Morgan Fairest Limited, Sheffield, England
Application January 27, 1948, Serial No. 4,513
In Great Britain January 27, 1947
8 Claims. (Cl. 51—233)



1. A hydraulic traverse mechanism for work-supports in grinding and other machines, comprising a traversing work-support, hydraulic means for effecting the traverse in both directions, pressure-responsive means, a reversing valve connected to the hydraulic means and the presssure-responsive means, a stop for positively limiting a traverse stroke in one direction whereby when the stop is encounted pressure build-up in the hydraulic means actuates the pressure-responsive means to operate the reversing valve to bring about a stroke of the work-support in the other direction, and manual means for moving the reversing valve in one direction to initiate a traverse stroke that is automatically reversed by the operation of the pressure-responsive means at the end of that stroke, said manual means also being adapted to move the reversing valve in the opposite direction to produce a reverse stroke independently of the pressure-responsive means.

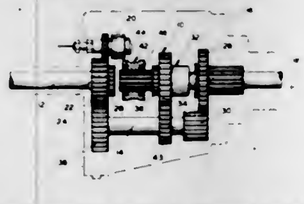
2,550,544
METHOD OF ANODICALLY POLISHING ALUMINUM
Charles L. Faust, Columbus, Ohio, assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
Application November 14, 1947, Serial No. 786,092
3 Claims. (Cl. 204—140.5)



1. A method of electropolishing aluminum and aluminum alloys containing at least 90% aluminum and not over 1% of silicon, which comprises making the aluminum the anode in a composition initially comprising essentially from 4 to 45%

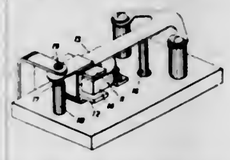
by weight of sulfuric acid, from 40 to 80% by weight of phosphoric acid, and from 0.2% by weight to saturation of chromic acid, maintaining a total amount of dissolved aluminum and trivalent chromium during continued operation not in excess of 6%, the balance being essentially water, and the total acid concentration being from 50 to 95% by weight of said composition, and passing a current through said composition at a temperature of from 160° to 200° F., an anodic current density of from 25 to 950 amperes per square foot and a voltage not in excess of 15 volts.

2,550,545
COUNTERSHAFT BRAKE
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1949, Serial No. 80,901
6 Claims. (Cl. 192—4)



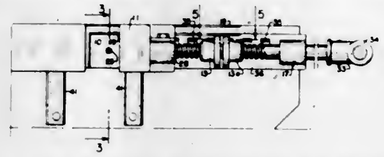
1. In combination with a change speed power transmission comprising an input shaft, an output shaft, a countershaft and gearing on the respective shafts intermeshing with one another for transmitting power from one shaft to the other, and a magnetic braking device comprising a stationary member, a rotatable member associated therewith coupled to the countershaft, a magnetic fluid sealed between the stationary and rotatable members; and means for controlling the cooperation of the device for inducing a braking action upon the rotatable member.

2,550,546
MAGNETIC SNAP ACTION SWITCH
Theodore N. Flight, Slough, William H. Wilson, Camberley, and Arthur John Chinn, Slough, England, assignors to The Rheostatic Company Limited, Slough, England, a British company
Application July 17, 1948, Serial No. 39,276
In Great Britain July 26, 1947
4 Claims. (Cl. 200—67)



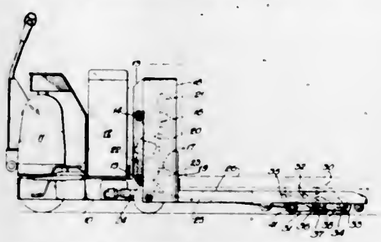
1. A magnetic snap action switch comprising a magnet, a movable resilient lever arm, a pair of armature members carried by said resilient lever arm for movement therewith and disposed on opposite sides of said magnet, a pair of switch contacts, one of which switch contacts is actuated by said resilient lever arm, the second contact being fixed in position relative to said first contact and adapted to cooperate therewith, and means for limiting the movement of the resilient lever arm in switch-opening direction, the relative magnetic properties of the armature members and their relative distances from the magnet being such that the resilient lever arm is biased in one direction in all of its positions.

2,550,547
QUICK-ACTING BENCH VISE
Joseph A. Follmer and Joseph Follmer, Denver, Colo.
Application December 30, 1949, Serial No. 136,048
4 Claims. (Cl. 144—307)



1. A quick acting vise comprising an elongated body having a guide extending longitudinally on one side thereof, an apertured lug at one end of the guide, a vise jaw slideably connected with the guide, a screw extending through the aperture in the lug, one end of the screw being rotatably connected with the vise jaw, the screw being longitudinally slideable in the lug, abutment means on the screw comprising a plurality of juxtaposed members having upper and lower ears thereon, a plurality of longitudinally spaced transversely extending abutment members along the side of the guide facing the screw for the selective abutment of an end of an upper ear, the ears being of such thickness and spacing that only one of said ears may engage an abutment member on the guide in any particular position of said vise jaw on said body, and an uninterrupted surface on the guide below said abutment members against which a lower ear may engage and slide therealong.

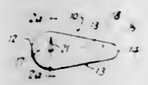
2,550,548
PALLET TRUCK
Herbert J. Framhein, Chicago, Ill.
Application August 26, 1947, Serial No. 770,670
5 Claims. (Cl. 254—10)



4. In a truck of the class described, a lifting head, an elevating platform pivoted at its forward end to said lifting head for upward pivotal movement relatively thereto, a lifting link pivoted to the underside of said platform and extending substantially horizontally rearwardly from said pivot under said elevating platform and then downwardly, a lifting wheel rotatably mounted on the rear end of said lifting link, a second lifting link pivoted to the underside of said platform just forwardly of said first lifting link and extending rearwardly downwardly and then substantially horizontally, a second lifting wheel rotatably mounted on the rear end of said lifting link

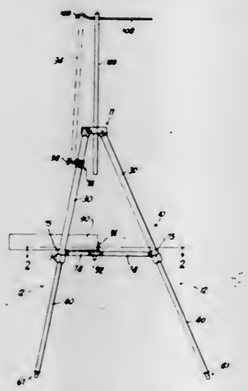
under a part of said first lifting link and in close coupled relation to said first wheel, the pivot axes of said lifting links being at the same level and the axes of said wheels being also at the same level when said elevating platform is in a predetermined position, means of connection between said links whereby they move together on their pivots, and means for lifting the forward end of said elevating platform relatively to said lifting head and simultaneously rotating said lifting links on their pivots and relatively to said platform.

2,550,549
THUMBTACK
Charles B. Goodstein, New Rochelle, N. Y.
Application September 26, 1945, Serial No. 618,731
1 Claim. (Cl. 85—16)



A thumb tack formed as a unit of stiff sheet metal and comprising a body elongated longitudinally and being wide at its front end and tapered in width towards its rear end, the said front end edge of the body being arcuate for its full width and at its ends merging into the front ends of the side edges of the body, a triangular prong cut from the forward portion of said body transversely thereof in rearwardly spaced relation to its front end and being bent downwardly across its attached end, the said attached end being located midway the width of the body and having its width disposed longitudinally of the body, and the rear end portion of the body being bent upwardly and forming a lip extending rearwardly at an upward incline whereby a finger nail may be engaged under the lip and the thumb tack tilted upwardly during removal.

2,550,550
EASEL
Charles B. Goodstein, New Rochelle, N. Y.
Application October 17, 1946, Serial No. 703,848
6 Claims. (Cl. 248—195)



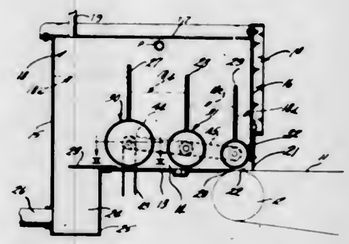
1. An easel comprising an apex member, outer tubes pivoted at their upper ends to said apex member, and extending radially, inner tubes telescoped within said outer tubes, means to fix the inner tubes to the outer tubes in longitudinally adjusted positions, a central member aligned with said apex member, links interconnecting the outer ends of said outer tubes to said central member, said central member and links being removable to a coplanar horizontal position, means to retain said central member and links in said horizontal position, and a brace member pivoted to one of said outer tubes and means to disengageably engage said brace member with another of said outer tubes in the horizontal plane of said links and said central member.

2,550,551
CONVENIENCE PACKAGE
Mabel E. Gourdin, San Mateo, Calif.
Application July 5, 1947, Serial No. 759,231
6 Claims. (Cl. 206—47)



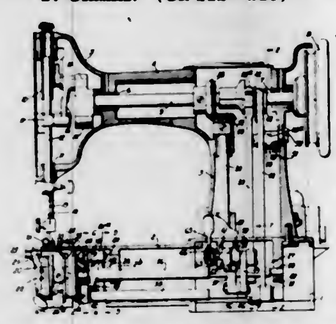
3. A convenience package of the character described, comprising a toilet seat cover folded lengthwise to form three thicknesses and again crosswise to form nine thicknesses, with the area of the folded cover corresponding substantially to that of an individual sheet of toilet paper, and a limited number of individual sheets of toilet paper arranged to form a stack therewith, the stack being rolled into cylindrical form and having means for holding the same in said form.

2,550,552
STOCK INLET
John E. Goodwillie, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application September 5, 1946, Serial No. 694,916
2 Claims. (Cl. 92—44)



1. A stock inlet comprising a box defining a stock chamber having an outlet at the forward bottom end and an inlet at the rear bottom end, a plurality of baffles in said chamber ahead of said outlet and terminating in spaced relation above the bottom of the chamber, a rectifier roll rotatably mounted beneath each baffle in close running clearance relation with the baffle thereabove and the bottom of the box therebelow, said rectifier rolls and baffles dividing the chamber into a plurality of compartments between the inlet and outlet for the chamber, and said rectifier rolls being of progressively decreasing diameter to coact with the baffles for providing flow passages through said rolls only between the compartments of decreasing size thereby increasing the flow velocity of stock between the compartments for feeding of stock at high velocity to the outlet.

2,550,553
FEEDING MECHANISM FOR SEWING MACHINES
David A. Graesser, Westfield, and Anthony J. Matuzas, Union, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 24, 1948, Serial No. 16,796
17 Claims. (Cl. 112—210)



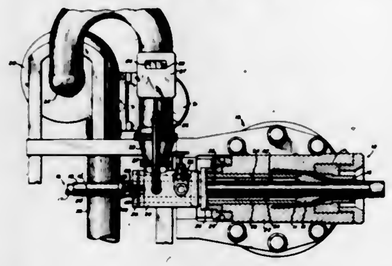
1. A feeding mechanism for sewing machines comprising a vertically disposed feed-bar; a feed-dog secured to said feed-bar; means connected directly to said feed-bar for supporting said feed-bar and for giving to it feed-drive and feed-lift movements; a guide member engaging one face of said feed-bar; and an interfitting sliding connection between said feed-bar and said member for guiding said feed-bar in its horizontal feed and return movements.

2,550,554
PORTABLE RECEPTACLE SUPPORT
Bessie Virginia Griffin, Newark, N. J.
Application March 29, 1948, Serial No. 17,641
2 Claims. (Cl. 224—5)



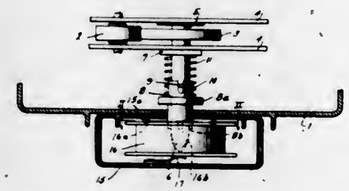
1. A portable receptacle support including a base member comprising a single flat strip having side plates formed by the intermediate section of said strip being folded upon itself and forming a loop at the fold, the end portions of said strip being bent divergently at right angles to said side plates, aligned apertures in each of said side plates adjacent the bend of said end portions, a hanger bar having one end formed as a hook portion curved to fit the neck of the user and having a plurality of apertures in the other end thereof, said hanger being pivotally connected to said base member between said side plates, and means pivotally mounting a receptacle holder within said loop, said hanger and said side plates being pivotally secured by a pivot pin extending through aligned apertures in said side plates and said hanger, the other apertures in said side plates and said hanger being angularly spaced, and locking pins selectively engaging said holder and said side plates when said angularly spaced apertures are in alignment.

2,550,555
APPARATUS FOR EXTRUDING MATERIALS ON CORES UNDER VACUUM
Cecil A. Hallam and Ellwood W. Reynolds, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1949, Serial No. 92,608
2 Claims. (Cl. 18—13)



1. An apparatus for extruding a sheath of plastic material on a cable core having an overlapped longitudinally wrapped sheath, the apparatus comprising an extrusion nozzle concentric with the path of the core to receive the plastic material under pressure and extrude it about the core, a housing including a chamber surrounding the core in advance of the nozzle, a suction device, connected to the housing and communicating with the chamber, operable to exhaust air at a high rate from the chamber, and a core tube extending into the chamber of the housing to a position adjacent the nozzle to guide the core in its given path while holding the longitudinally wrapped sheath against unwrapping, the core tube having spaced apertures therein intermediate its ends forming communication between the chamber and the core for the escapement of air from the core by the suction device.

2,550,556
MAGAZINE DRIVE FOR MAGNETIC WIRE RECORDERS
Walter J. Haloski, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application November 3, 1945, Serial No. 626,545
1 Claim. (Cl. 242—54)



In a magnetic wire recording or reproducing device, a housing, a drive shaft projecting through an opening on a wall portion of said housing, a sleeve telescoped about said drive shaft in said housing, and having a collar portion and having teeth at one end thereof, spring means urging said collar portion into frictional engagement with an internal surface portion of said housing surrounding said opening, a magazine containing a spring supported spool which spool has an opening into which the end of said

shaft fits when the magazine is clamped against said housing, a side surface of said spool surrounding said spool opening having grooves into which said teeth on said sleeve become seated when said magazine is so clamped thereby compressing said spring and removing said collar portion from said internal surface of said housing, and a pin and slot connection between said sleeve and shaft so that the sleeve will form a rigid coupling between said shaft and spool.

2,550,557
PROCESS FOR TREATING POLYMERIZED TERPENE RESIN
Burt L. Hampton, De Ridder, La., assignor to Crosby Chemicals, Inc., De Ridder, La., a corporation of Mississippi
No Drawing. Application July 15, 1949, Serial No. 105,073
10 Claims. (Cl. 260—93.3)

1. A process of decolorizing solid cyclic terpene polymers derived from polymerizable cyclic terpenes, which comprises reacting in molten condition, a normally solid cyclic terpene polymer derived from polymerizable cyclic terpenes with catalytic amounts of about 0.01% to 5% of selenium in an inert atmosphere at a reaction temperature of from approximately 200° C. to approximately 360° C. by contacting the said cyclic terpene polymer with the selenium until substantial decolorization of the said cyclic terpene polymer is effected.

2,550,558
SHORTENING COMPOSITION AND METHOD OF PREPARING THE SAME
Francis Frederick Hansen, Pittsburgh, Pa.
No Drawing. Application April 11, 1946, Serial No. 661,352
12 Claims. (Cl. 99—118)

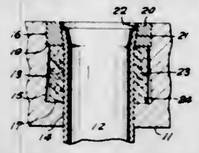
1. The process of preparing a shortening composition for use in the baking industry, which comprises separating lecithin and associated cephalin from accompanying vegetable oil, reacting a solution of the lecithin and cephalin with hydrochloric acid of a concentration between about 0.5N and 1N, hydrolyzing choline and colamine constituents separated from the lecithin and cephalin by the hydrochloric acid, separating the hydrolyzed choline and colamine constituents from the remaining solution, reacting the remaining lecithin-derived compounds with glycerine in controlled amounts for producing a predetermined glyceride of the said lecithin compound and incorporating the resulting glyceride into a shortening composition for increasing creaming properties of the said composition and increasing resistance to deterioration through rancidification.

2,550,559
TREATMENT OF STOCKINGS AND OTHER KNITTED ARTICLES
Luis Heldmaier, Leicester, England
Application December 3, 1946, Serial No. 713,707
In Great Britain December 20, 1945
10 Claims. (Cl. 223—76)



1. Apparatus for pre-boarding or plasticising shaped textile articles, more particularly nylon stockings, comprising an endless conveyor carrying forms for the reception of the shaped textile articles, a pre-boarding or plasticising chamber through which the articles on the forms are passed due to movement of the conveyor, a fan for circulating superheated live steam and hot air through the pre-boarding or plasticising chamber in a substantially closed circuit, said steam thus coming into contact in said chamber with said shaped textile articles on said forms, and at least one electric heater for heating the circulating air to the desired temperature.

2,550,560
HEAT EXCHANGER
Hugh D. Heron, Outremont, Quebec, Canada
Application January 21, 1946, Serial No. 642,551
6 Claims. (Cl. 285—45)



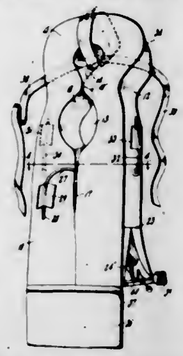
6. A packing for heat exchangers including tubes and tube plates having internally threaded recesses around tube ends providing packing receiving spaces, said packing comprising an externally threaded, compressed, water swellable fibre sleeve adapted to be screwed into a plate recess in close engagement with a tube and with the bottom and threaded wall of the recess; and an externally threaded, rigid, metal ring adapted to be screwed into the outer part of a plate recess against said packing and to fill the space between the recess wall and the outer end portion of the tube, outwardly of the packing, the bore of said ring being at its outer end larger than the tube and tapering inwardly to tube size, whereby the tube may be expanded into said tapered bore portion to limit movement of the tube in its axial direction.

2,550,561
AUTOMOBILE HITCH ARRANGEMENT
Lucy Irena Hill, Liberal, Kans.
Application November 5, 1948, Serial No. 58,380
2 Claims. (Cl. 280—33.14)



2. An automobile hitch device comprising a pair of hitch elements fabricated of resilient material positionable in superimposed spaced relation between bumpers of two cars, to have their ends engaged with the confronting faces of said bumpers, and a lacing having one end positioned adjacent one of the bumper-engaging ends of one of said elements and having the other end extending downwardly through and out of said one element, then upwardly and out of said one element, then around one of said bumpers, then upwardly through and out of the other of said elements, then downwardly through and out of said other element, then around the other of said bumpers and connected to said one end, whereby the hitch elements will be retained against vertical displacement with respect to one another and with respect to the confronting faces of the bumpers.

2,550,562
LIFE PRESERVER
Victor H. Hurt, Cranston, and Helen T. Sweet, North Providence, R. I., assignors to United States Rubber Company, New York, N. Y., a corporation of New York
Application February 5, 1948, Serial No. 6,406
3 Claims. (Cl. 9—17.5)



1. In a life preserver for supporting a person in water with his head and neck out of the water, an inflated elongated casing comprising two leg portions connected by a loop portion at one end thereof and forming a neck opening and a second opening nearly as large as the neck opening disposed back of said neck opening, the inflated loop portion being positioned well to the rear of the neck opening to provide a buoyant portion spaced rearwardly away from the neck opening, and a strap securing means connected to said loop portion and adapted to hold the loop portion pulled downwardly back of the shoulders of the person being supported in water by the life preserver.

2,550,563
METHOD FOR LOADING AND EXPLODING CHARGES IN A BOREHOLE
James R. Hughes, Calipatria, Calif., assignor, by mesne assignments, to United Geophysical Company, Inc., Pasadena, Calif., a corporation of California
Application May 14, 1945, Serial No. 593,739
4 Claims. (Cl. 102—23)



1. In an operation involving the drilling of a bore-hole downwardly in the earth, the loading thereinto of an explosive charge, and the explosion of the charge in the hole, the improvement which comprises loading into the hole a plurality of charges held vertically spaced from each other by a substantial distance, the hole being filled with liquid to a level above the uppermost charge, exploding the lower charge and immediately thereafter releasing and lowering the upper charge in the hole under the influence of a downwardly exerted force created in the lower part of the hole by the explosion of the lower charge the lowering of the upper charge being accomplished before the bore hole is clogged by debris resulting from the explosion of the lower charge.

2,550,564
APPARATUS FOR ASSEMBLING RUBBER BEARINGS
Philip C. Hutton, London, England, assignor to Silentbloc, Limited, London, England, a company of Great Britain
Application August 5, 1947, Serial No. 766,204
3 Claims. (Cl. 29—235)

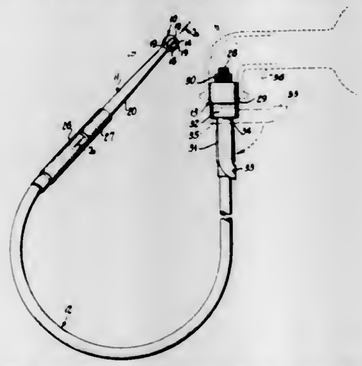


1. An apparatus for holding an outer bearing member having a rubber bushing fitted therein during the insertion of an internal bearing member of a diameter larger than the internal diameter of the bushing and provided with a pointed pilot endpiece adapted to expand the bushing during insertion, said apparatus comprising a supporting member adapted to engage one end of the outer bearing member and hold it against axial movement in one direction relative to the supporting member and an abutment member carried by the supporting member and having an annular end portion adapted to engage the corresponding end of the bushing, said end portion having an external diameter which will closely fit within the outer bearing member and an internal diameter which is materially greater than the external diameter of the inner bearing member.

2,550,565
DENTAL FOUNTAIN CLEANER
Charles L. Hyser, Bronxville, N. Y., assignor to Orajet Corporation, Wilmington, Del., a corporation of Delaware
Application September 17, 1948, Serial No. 49,711
7 Claims. (Cl. 128—229)

1. A dental jet cleaner comprising, in combination, a hollow head having a supply passage communicating at one end with a chamber provided in the head, a removable body forming a closing side wall of the chamber and a part of one

side of the head with a plurality of jet outlets for that side of the head formed substantially transversely in said wall-forming body to provide for jets that will project from that side, a hollow elongated manual handle structure supporting said head and extending away from the latter at a substantial angle to the general direction of said jet outlets, the interior of said



hollow handle communicating at one end with the supply passage and having upstream thereof a chamber for reception of dentifrice material to be gradually dissolved in passing washing liquid, and hose means connected to the other end of said hollow handle structure for supply to the dentifrice chamber of washing liquid under pressure.

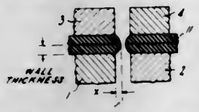
2,550,566

METHOD OF SPLICING RUBBER ARTICLES

Alfred N. Iknayan and Alfred B. Clayton, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 13, 1948, Serial No. 43,974

14 Claims. (Cl. 154—14)



12. The method of splicing together two ends of an inner tube comprising the steps, separately gripping each end portion of a flattened inner tube, allowing a portion of the ends of the inner tube to project beyond the opposed faces of the gripping means, severing the projecting portion substantially flush with the said faces of the gripping means, increasing the gripping pressure on the inner tube to extrude the substantially flush ends beyond the said faces of the gripping means to provide joining surfaces, moving the joining surfaces together under pressure to join the extruded ends, and releasing the inner tube gripping means.

2,550,567

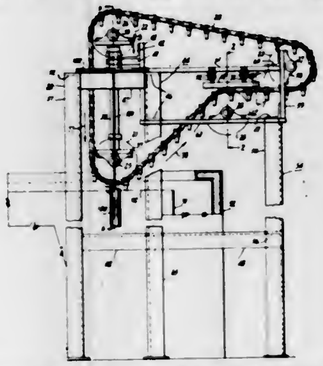
PLASTIC CAP MAKING APPARATUS

Ellsworth A. Kehoe and Theodore R. Burr, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 6, 1948, Serial No. 25,494

5 Claims. (Cl. 18—24)

1. Apparatus for making thimbles from liquid plastic material, a coating of which cures quickly in air, said apparatus comprising a conveyor, means for moving the conveyor continuously, a frame for supporting the conveyor above a vessel containing the material; hollow thimble forms having holes in their bottom surfaces and moved by the conveyor into and out of liquid plastic material to form a coating on the sides and



bottoms of the forms, said coating setting during movement of the forms from the plastic containing vessel; a manifold including passages spaced from the vessel; and means for applying compressed air to the manifold whereby when the forms pass the manifold the air will blow the set plastic thimbles from the forms.

2,550,568

DEVICE FOR WEANING INFANTS

Ronald C. Kersh, Monterrey, Mexico

Application February 25, 1947, Serial No. 730,659

1 Claim. (Cl. 128—252)



A weaning device for infants, comprising a resilient band adapted to encircle the mouth of a glass and having an inwardly directed lip along its upper edge to overhang the rim of such glass, a guard of similar material spanning an arcuate portion of said band, and an integral spout of severable material extending from said guard adjacent said band, said spout tapering from an oval-shaped base to a blunt tip and having a tapering passage therethrough, terminating at its tip in a drinking opening.

2,550,569

CONTROL SYSTEM FOR THREE-PHASE MOTORS

Uno Lamm and Marius Böckman, Ludvika, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application August 21, 1947, Serial No. 769,944

In Sweden August 29, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires August 29, 1962

1 Claim. (Cl. 318—207)

A control system for controlling the direction of rotation of a three-phase motor by means of a polyphase source of energy, comprising two three-phase systems having two poles in common, one of said three-phase systems having a natural third pole and the other having an artificial third pole in phase opposition to the natural one, and variable reactahce means between the third poles of said two three-phase systems and a corre-



sponding pole of said motor, in which the artificial third pole forms the end of a transformer winding connected between said artificial third pole and one of said common poles, said transformer winding having the same core as a transformer winding connected between said natural third pole and the other of said common poles.

2,550,570

METHOD OF PROCESSING OIL AND THE PRODUCT PRODUCED

Charles E. Lane, Jensen Beach, Fla., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 8, 1948, Serial No. 64,232

2 Claims. (Cl. 195—3)

1. In converting precursor of vitamin A to the vitamin, the method which comprises forming a mixture of a marine fish liver oil and enzyme of the small intestine of the fish, establishing the pH within the range 7 to 9, maintaining contact of the oil with the enzyme, within the pH range stated, until there is a substantial increase in the vitamin A content of the oil, and then separating the treated oil from non-oily material without change of state.

2,550,571

AXIAL-GAP MOTOR

Bernard Litman, Bronx, N, Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 6, 1948, Serial No. 42,801

4 Claims. (Cl. 172—120)



1. A dynamo-electric machine comprising a rotatable machine-part and a stationary machine-part, one of said machine-parts comprising two spaced magnetizable members, and the other one of said machine-parts comprising an intermediate magnetizable member which is disposed between said two spaced magnetizable members with airgaps therebetween; each of said two spaced magnetizable members being a cylindrical core-member having slots, and teeth between the slots, on its airgap side, and having a continuous magnetizable portion for carrying flux circumferentially around said member at a point back of said teeth, away from the airgap side; windings carried by said slots, and connections for so energizing the windings of the two spaced magnetizable members as to cause flux to traverse the two airgaps, flowing substantially straight through said intermediate magnetizable member; said intermediate magnetizable member being made up of a plurality of discrete spaced magnetizable teeth extending in the direction of flux-flow.

2,550,572

CONTAINER AND CAP THEREFOR

Demetrios P. Loomis, Flushing, N. Y.

Application July 27, 1948, Serial No. 40,901

3 Claims. (Cl. 222—521)



1. A device of the class described comprising in combination a container and a closure, the container having a neck with an orifice, and means carried by said neck and closure to limit the movement of the closure, the latter having an orifice to register with the orifice of the neck, said means comprising a groove in the neck and a retainer attached to the closure, the retainer having one end bent into the groove and a projection on said end engaging the closure adjacent the rim, the closure having an external recess in which the retainer is disposed, and a notch having a ribbed end surface in the recess, the retainer also having a projecting tongue entering said notch and held by said ribbed surface, said retainer also holding the closure on the neck, and a gasket in said closure to effect a seal of the orifice in said neck when the closure is shut.

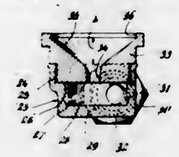
2,550,573

WHIRLER SPRAY NOZZLE WITH OVERHANGING LIP

Samuel Lyman, Union, N. J., assignor to Buensod-Stacey, Inc., New York, N. Y., a corporation of Delaware

Application October 5, 1946, Serial No. 701,514

1 Claim. (Cl. 299—114)



A spray nozzle comprising a housing having therein a whirl chamber for liquid, an inlet for the liquid into said chamber extending tangentially to the wall of the whirl chamber, and a spray head having an axial generally conical discharge orifice with its largest diameter in proximity to the discharge end, said discharge end of the spray head having an inwardly directed annular lip extending axially beyond the largest diameter end of the conical orifice, the inner wall of the lip being tapered in opposed relation to the taper of the conical discharge orifice.

2,550,574

COMMUTATOR CONSTRUCTION

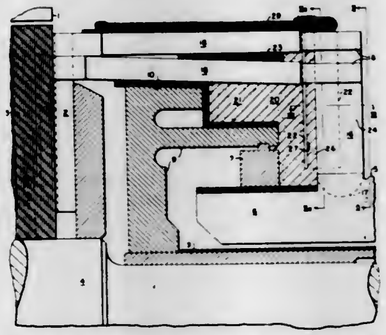
Clarence Lynn, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1950, Serial No. 137,710

6 Claims. (Cl. 171—321)

1. A commutator-type dynamo-electric machine having a rotor-core, an armature-winding

carried by the rotor-core, a commutator spaced axially from the front end of the rotor-core, said commutator comprising a plurality of commutator-bars, and commutator-necks which are thinner, circumferentially, than the bars, said commutator-necks being set into, and securely fastened to, the respective bars, electrical connections between the commutator-necks and the coil-



ends of the armature-winding, and a filling including a hardenable insulating filling-compound, said filling occupying the space under the coil-ends, between the commutator-necks and the front end of the rotor-core, and also filling the rear portions of the circumferential spaces between the commutator-necks, leaving substantially large unfilled spaces between the front portions of the commutator-necks.

2,550,575
ADJUSTABLE HEADBAND CONSTRUCTION
Robert L. Malcom, Chicago, Ill., assignor to Chicago Eye Shield Company, a corporation of Illinois
Application June 11, 1945, Serial No. 598,849
4 Claims. (Cl. 2—8)



1. An adjustable head band comprising a circular strip having overlapping ends and slots in the overlapping ends extending lengthwise of the strip, rack teeth formed on opposite walls of the slots, and a locking means extending through the slots including a gear element having teeth engageable with the rack teeth and a head overlying one of the overlapping ends, a knob having a bearing surface overlying the other overlapping end and a screw threaded connection between the gear element and knob for clamping the overlapping ends between the head and knob.

2,550,576
CORDING
Herbert Stanley Marshall, Purley, England
Application December 9, 1946, Serial No. 715,007
In Great Britain January 19, 1946
3 Claims. (Cl. 138—56)

1. Flexible rod material comprising an extensible resilient core and a covering of elastomeric material thereover, said core being formed of spring wire wound into helical form with the adjacent convolutions normally in substantially side-by-side contact, said wire being of a cross-section to provide an exterior helical



groove when so wound and the elastomeric covering being supported by and adherent to the core by engaging into the outer circumferential helical groove provided between the adjacent contacting convolutions of the core.

2,550,577
RELAY CONSTRUCTION
Frank R. McBerty, Mansfield, Ohio, assignor to The North Electric Manufacturing Company, Galion, Ohio, a corporation of Ohio
Original application July 29, 1940, Serial No. 348,222. Divided and this application March 6, 1946, Serial No. 652,335
9 Claims. (Cl. 200—104)



1. In a multi-circuit controlling relay, the combination of an electromagnet, multi-contact armature means responding simultaneously thereto comprising a row of flexible wire reeds each anchored at one end, armature plates of magnetic material secured to the other ends of said reeds, contact means carried by said armature means for controlling individual circuits, and a common back-stop for said row of flexible wire reeds comprising a rod of insulating material extending transversely across the back side of said row of reeds, each of said reeds having a cylindrical rear surface and said back-stop rod having a cylindrical front surface, whereby the contact between each reed and said back-stop rod is the point contact of two cylindrical surfaces engaging each other substantially at right angles.

2,550,578
RELAY CONSTRUCTION
Robert K. McBerty, Galion, Ohio, assignor to The North Electric Manufacturing Company, Galion, Ohio, a corporation of Ohio
Application May 29, 1946, Serial No. 673,195
2 Claims. (Cl. 200—87)

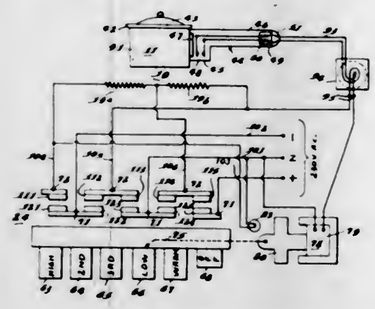
1. Method of making a reed type, contact finger which comprises positioning a metallic metal of a comparatively tough characteristic completely within a longitudinal slot in one side of an elongated armature of a softer type magnetic alloy, deforming portions of the side of said slot around said reed for a substantial portion of the armature length to effect frictional attachment therebetween and incasement of said reed for said substantial length, and relieving the brief remaining

portion of the sides of said slot sufficiently to permit only the section of said reed which is coextensive therewith to project above the edges of the slot and said relieved portion of the armature



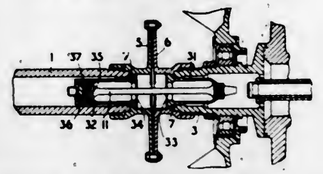
surface, whereby the exposed reed portion of said tougher material forms a durable contacting surface for engaging contact positioning members on an associated relay structure.

2,550,579
HEATING CIRCUIT CONTROL FOR ELECTRIC RANGES
Walter R. McDowell, Westchester, Ill., assignor to Hotpoint Inc., a corporation of New York
Application October 27, 1948, Serial No. 56,813
6 Claims. (Cl. 219—20)



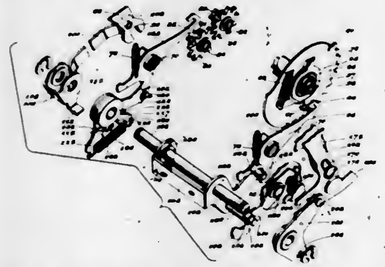
1. In an electric range including a body supporting a heating unit, a source of current supply, and a manually operable unitary control switch selectively operative into a plurality of different positions in order to establish a corresponding plurality of different electrical heating connections between said heating unit and said source in order to effect heating of said heating unit at corresponding different heating rates; the combination comprising an electro-responsive motor operative to operate said switch into a given one of its positions, an operating circuit for said motor, means responsive to operation of said switch into a predetermined one of its positions for preparing said operating circuit, means including a device governed by said heating unit for closing said prepared operating circuit, and means responsive to operation of said switch into said given position for opening said operating circuit.

2,550,580
FLEXIBLE COUPLING FOR SHAFTS AND THE LIKE
Roderick Cristall McLeod and Geoffrey Bertram Robert Feilden, Leicester, England, assignors to Power Jets (Research & Development) Limited, London, England
Application January 15, 1946, Serial No. 641,306
In Great Britain January 16, 1945
15 Claims. (Cl. 64—12)



1. A flexible, axial load sustaining coupling for coaxially disposed shafts and the like, comprising torque transmitting coupling means mounted on and connecting the shaft ends and adapted to allow relative angular displacement of the shaft axes, the mounting of said coupling means on at least a first of said shaft ends comprising cooperating surfaces on the coupling means and first shaft slidable axially relative to each other but in engagement to prevent relative rotary movement of the shaft coupling means, an axial-load transmitting element adapted to accommodate such angular displacement of the shaft axes, and means connecting said load transmitting element and said shafts, said connecting means including an adjustable member having a first surface facing generally in one axial direction and engaging one of said shafts to transmit tension between the shaft and said element, said adjustable member also having a second surface facing generally in the other axial direction and which, upon adjustment of said adjustable member in a predetermined manner, engages and reacts against one of said shafts to force the shafts apart axially.

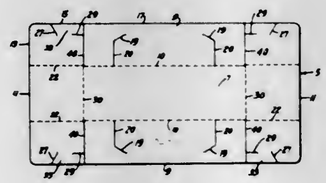
2,550,581
CREDIT BALANCE MECHANISM FOR CALCULATING MACHINES
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application April 22, 1948, Serial No. 22,526
5 Claims. (Cl. 235—60.2)



3. In a calculating machine having an accumulator comprising a plurality of pairs of intermeshing pinions, a transfer mechanism, toothed actuators, and means for shifting the accumulators into and out of mesh with the actuators; the combination of cams on the highest denominational order of pinions, a pair of pivoted

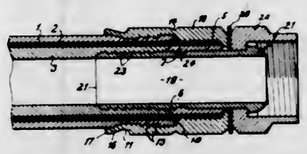
arms, resilient means biased to swing said arms in opposite directions, a latch cooperating with one of said arms to hold it against movement by said resilient means, said latch being positioned for tripping by one of said cams when its associated pinion is in engagement with its actuator, thereby to release its cooperating arm for actuation by the resilient means, mechanism operated by the arm immediately upon its release by the latch to effect the entry of 1 in the lowest order pinion which is at that time in mesh with its actuator, and means to reset the arm and its associated latch.

2,550,582
INTERLOCKING CORNER CONSTRUCTION FOR CONTAINERS
Reginald B. Meller, Oakland, Calif., assignor to Bemiss-Jason Company, a corporation of California
Application August 14, 1945, Serial No. 610,819
7 Claims. (Cl. 229—35)



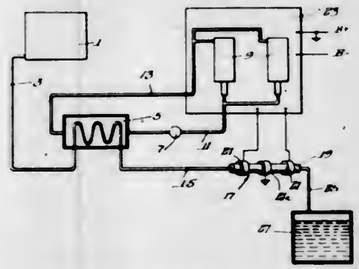
1. In a folding box having a bottom, a side wall hingedly connected to said bottom along a bottom fold line, the side wall having a side edge forming an angle of not less than 90 degrees with said bottom fold line, an end wall hingedly connected to said bottom along an end fold line meeting the bottom fold line at the box bottom corner, a top wall hingedly connected to said end wall along a top fold line, an end wall side flap hingedly connected to the side of said end wall along a side fold line meeting said top fold line at the box top corner, and a top wall side flap hingedly connected to the side of said top wall, said side flaps being foldable upon each other and upon said side wall; an improved interlock for said end, top and side walls, said improved interlock being formed by an internal cut of bent outline in said side wall forming an internal tongue in said side wall pointing towards the end wall when the walls are in box forming position and a cut edge on each of the side flaps bordering external tongues on said flaps, the relative position of said side wall and flaps being such that in the position in which said side edge abuts said end wall in edge-to-surface position said side flaps to lie on top of each other and of said side wall and underlie said tongue, portions of said cut edges on said external tongues being in line-to-line, as distinguished from point-to-point coincidence with cut edges formed by said internal cut permitting an edge portion on each of the flaps to engage coinciding edge portions of said internal cut, the said edges being urged into, and maintained in, engagement by inherent stiffness of the stock of the said tongue, the external tongues on said end wall side flap and on said top wall side flap being shorter, measured from said bottom corner and said top corner, respectively, than the distance from the respective corners of the end of the internal cut farthest from the bottom fold line.

2,550,583
FLEXIBLE HOSE COUPLING
John H. Millar, Little Compton, R. I.
Application June 28, 1947, Serial No. 757,769
2 Claims. (Cl. 285—84)



1. The combination with a flexible rubber hose having at least one metallic reinforcing layer bared on both sides at the end, of a coupling comprising a spigot within the hose end portion, a soft metallic ring disposed in a groove around the outside of the spigot and within the bared end of the reinforcing layer, and a ferrule surrounding the hose end so disposed that said bared end of the reinforcing layer is directly gripped between said ferrule and said ring with sufficient force to interlockingly engage said reinforcing layer with said ring, with an unbared portion of the hose gripped between said ferrule and said spigot.

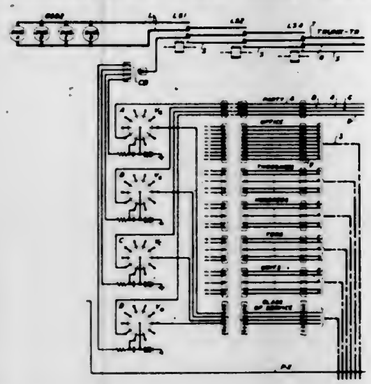
2,550,584
MILK PASTEURIZATION METHOD AND APPARATUS
Eugene Mittelmann, Chicago, Ill.
Application February 3, 1949, Serial No. 74,453
5 Claims. (Cl. 219—39)



1. An apparatus for the pasteurization of milk, comprising a radio frequency heater for heating the milk by dielectric loss, an oscillator for supplying radio frequency energy to said heater, said oscillator including a fluid cooled electronic tube and a preheater having a fluid connection to said tube utilizing the energy normally dissipated in the tube of said oscillator for preheating the milk.

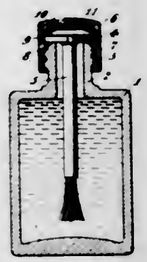
2,550,585
TELEPHONE IDENTIFICATION CIRCUIT
Richard P. Murphy, Nyack, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1949, Serial No. 89,750
23 Claims. (Cl. 179—7.1)

1. In a telephone system, a line having a plurality of stations thereon each having an identifying designation, an electronic device for each station, means responsive to one of said stations when calling for momentarily and partially operating each of said electronic devices, means effective during the partial operation of said electronic devices for completing the operation of the particular one of said partially operated electronic devices which is individual to the calling station, and a recording device responsive to said wholly operated electronic device for recording the designation of said calling station.



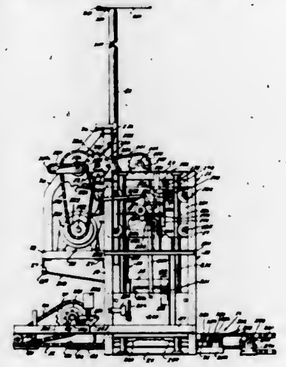
23. In a telephone system, a first station having an identifying designation, a plurality of other stations, a device for each of said stations, means responsive to one of said plurality of stations when calling for operating the device of said calling station, and means responsive to the operation of said device for operating the device individual to said first station.

2,550,586
BOTTLE, CAP, AND BRUSH
Dante J. Nardone, Brooklyn, N. Y., assignor to A. Sartorius & Co. Inc., New York, N. Y., a corporation of New York
Application October 25, 1945, Serial No. 624,470
1 Claim. (Cl. 15—140.4)



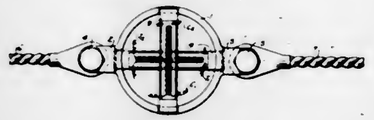
An article of the class described comprising a bottle having an externally threaded neck, the upper surface of said bottle neck having an inner horizontal plane surface bordered by a frusto-conical surface, a flat circular resilient sealing disk seated on the inner horizontal plane surface of the bottle neck, a brush disposed within the bottle, said brush being secured to and supported solely by said disk, and a closure cap threaded to the bottle neck to hold said disk in sealing relation thereto, said closure cap comprising a frusto-conical inner surface for cooperating with the frusto-conical surface of the neck to press the margin of said disk therebetween, said cap having an inner chamber centrally disposed relative to the frusto-conical surface thereof for the reception of a part of the disk when in a final sealed position, the inner diameter of the threads of said cap being less than the diameter of said disk, the latter being forceable past the threads when the cap is applied.

2,550,587
BOX STACKING APPARATUS
Ambrose A. Neja, Anaheim, Calif.
Application December 6, 1947, Serial No. 790,117
20 Claims. (Cl. 214—6)



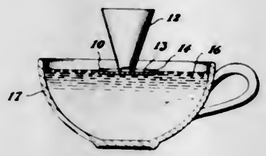
1. In a box stacking apparatus, a box stacking station, means for moving a box to the station, stack supporting means mounted to move to and from supporting position, means urging said stack supporting means to supporting position, box lifting means at said station and operable to lift a box to a position to be engaged by the supporting means, means to cause said lifting means to release a box when in position to be engaged by the supporting means and to return to box receiving position, means to cause said lifting means to repeatedly operate until a desired number of boxes has been stacked, one beneath the other, a discharge conveyor, means operable to place the lowermost box of a stack on the discharge conveyor and means to cause said stack supporting means to move to box releasing position to permit the previously formed stack of boxes to be deposited on the said lowermost box.

2,550,588
RING DYNAMOMETER
John M. Oberholtzer, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application May 27, 1947, Serial No. 750,810
4 Claims. (Cl. 73—141)



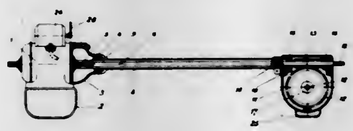
1. A dynamometer comprising a ring, means attached to said ring to transmit load thereto to strain the same, a strain responsive element attached to said ring in alignment with said attaching means, a pre-tensioned strain responsive element attached to said ring in a direction transverse to said first strain responsive element, resistance type electrical strain gauges bonded to said two elements, and means connected to said strain gauges for indicating the measured stress.

2,550,589
LIQUID FLOATING DEVICE
Norman L. Orme, Jr., Asheville, N. C.
Application February 28, 1946, Serial No. 651,006
1 Claim. (Cl. 226—19)



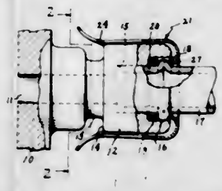
A device for floating a liquid onto the surface of a body of liquid comprising a funnel adapted to receive the liquid to be floated, a disk closing the discharge end of said funnel and extending radially therefrom a substantial distance adapted to be positioned on the surface of the body of liquid slightly below the level thereof, said funnel at its discharge end having lateral openings for discharging the liquid in the funnel onto the upper surface of said disk, and an upstanding marginal flange surrounding said disk of a height sufficient to project slightly above the level of the body of liquid to retard the flow of liquid from the upper surface of said disk onto the surface of the body of liquid.

2,550,590
APPARATUS FOR THE MECHANICAL ACTUATION OF AGRICULTURAL IMPLEMENTS
Jean Parmilleux, Lyons, France
Application September 6, 1946, Serial No. 695,261
In France March 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1962
6 Claims. (Cl. 74—16)



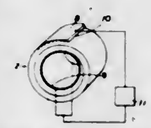
1. As an article of manufacture, a portable power drive for actuating separately a plurality of farm implements and the like, said drive comprising a prime mover having a drive shaft and a frame, a rigid torque tube extending from said frame a considerable distance, a speed-reducer casing secured to the end of the torque tube, said tube acting to secure rigidly together the prime mover and reducer casing in proper alignment, a worm and worm gear in said casing, an extension shaft in the torque tube connecting together the worm and mover shaft, universal connection means on the worm gear extending outside the casing for selectively coupling the drive to suitable implements, and yoke brackets on the mover for accommodating same angularly on the ground, whereby said mover being on the ground, the casing can be elevated and connected to an implement for driving same at a reduced speed, the torque tube acting as a support for the casing and as a long lever at the end of which the mover rests on the ground by its own weight.

2,550,591
TUBE FITTING ASSEMBLY
John B. Parsons, Maumee, Ohio, assignor to Malcolm W. Fraser, Toledo, Ohio, trustee
Application October 15, 1948, Serial No. 54,791
5 Claims. (Cl. 285—174)



1. A tube connection comprising a thin-walled metal tube, an integral outwardly extending peripheral collar on said tube adjacent one end thereof but spaced a short distance therefrom, the end portion of said tube beyond said collar being of substantially uniform diameter, a hollow body member having an inner wall defining a passage therein communicating with said tube, the end portion of said tube having a sliding engagement in a portion of said inner wall, an enlarged annular cavity contiguous to the outer end of said last passage portion to receive said collar, a rubber-like ring round in cross section interposed between the tube and the side wall of the cavity and arranged at the inner side of said collar, a substantially U-shaped spring metal clip having a portion abutting the outer side of said collar, and struck-out tongues on said clip engaging the outer surface of said body member.

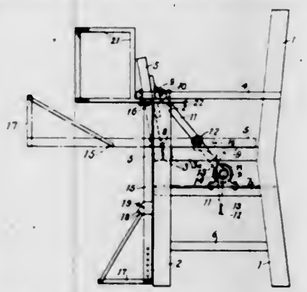
2,550,592
FOCUSING COIL FOR CATHODE-RAY TUBES
Ralph Reginald Pearce, Hampton, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company organized under the laws of Great Britain
Application August 18, 1949, Serial No. 111,007
In Great Britain August 10, 1948
9 Claims. (Cl. 313—84)



1. An electron discharge device having a focussing coil for focussing the electron beam of said device, said coil having an axial length of at least one-half the minimum diameter of the coil and comprising a length of conductor arranged in the form of a planar spiral, adjacent turns of the spiral being insulated from one another, and connections between the inner end of said conductor and the outer end of said conductor for feeding current through said coil.

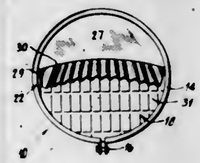
2,550,593
CHAIR FOR USE OF INVALIDS AND AGED PERSONS
Wesley Perry, Towanda, Pa.
Application December 13, 1945, Serial No. 634,760
8 Claims. (Cl. 155—1)

1. A basal chair-frame that includes front uprights, rear uprights, and a substantially horizontal front beam united with the front uprights; in combination with a chair-seat hinged to said front beam in a proper relation to be movable from a substantially horizontal position to a substantially vertical position substantially over said front beam so as to form a back-rest for a standing patient or other person who leans backward thereagainst, a supporting structure that includes normally horizontal spaced bars having normally horizontal front and rear end portions, a platform extending from one to the other of said front end-portions and secured thereto, said



normally rear end-portions of said bars being pivotally connected respectively with the right and left edge-portions of said chair-seats in a proper relation to be movable with the chair-seat from a substantially horizontal position to a substantially vertical position, and means operable to cooperate with said front beam for supporting said chair-seat alternately in its substantially horizontal position and in its substantially vertical position.

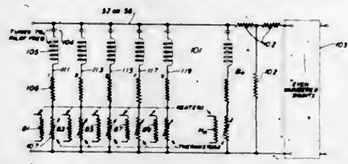
2,550,594
FLUTED SHIELD FOR HEADLIGHTS
Emanuel Petrakakis, New York, N. Y.
Application December 31, 1947, Serial No. 794,860
2 Claims. (Cl. 240—46.53)



1. The combination, with a headlight having a lens provided with a plurality of vertical flutes, of an arcuate reflecting strip attached to said lens so as to extend downwardly and away therefrom while having one edge in contact with the lens, said strip being provided with a plurality of ribs equal in number to and substantially aligned with said flutes and extending approximately transversely to said edge across the full width of said strip.

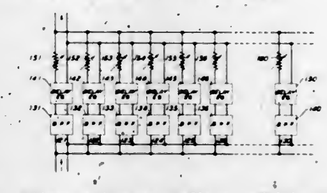
2,550,595
EQUALIZER FOR TRANSMISSION LINES
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application November 18, 1947, Serial No. 786,745. Divided and this application July 19, 1949, Serial No. 105,517
6 Claims. (Cl. 178—44)

1. An attenuation equalizer comprising a pair of input terminals and a pair of output terminals, a plurality of parallel circuits connected across said input terminals and also across said output terminals, each circuit comprising a serially connected condenser, inductance, resistance and a thermistor, the condenser and inductance in one path being tuned to a different frequency from



that of every other path, and a heater associated with each thermistor whereby by varying the current in said heater the impedance of said thermistor and hence of the corresponding circuit is varied in accordance with signals applied to said heater.

2,550,596
EQUALIZER FOR TRANSMISSION LINES
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application November 18, 1947, Serial No. 786,745. Divided and this application July 19, 1949, Serial No. 105,518
4 Claims. (Cl. 178—44)



1. An attenuation equalizer which produces substantially no delay distortion comprising a pair of input terminals, a pair of output terminals, and a plurality of parallel circuits connected between the input and the output terminals, respectively, each parellel circuit comprising a series connection of, in order, a band-pass filter adapted to pass a frequency band of constant width, but the various frequency bands for the respective filters being different, a delay equalizer to compensate for any delay produced by the filter, and a resistance, each filter having a loss vs. frequency characteristic which is substantially sinusoidal and is symmetrical around the tuned frequency of the filter and the intensity of the energy transmitted thereby determined by the value of said resistance.

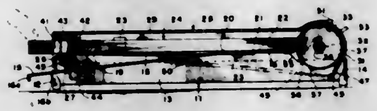
2,550,597
RING BINDER
Edwin M. Phillips, East Orange, N. J.
Application December 17, 1945, Serial No. 635,504
10 Claims. (Cl. 129—1)



4. A ring binder comprising an elongated mounting part and a plurality of ring forming strips, said mounting part comprising a flat member having raised transversely alined apertured side flanges, the strips having at one end means engaging flanges at one side of said mount-

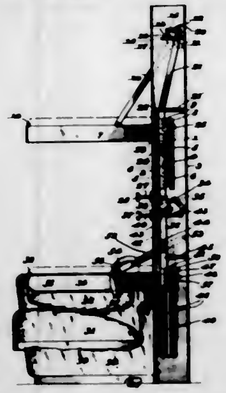
ing part in retaining the strips against displacement therefrom in one direction, the other end portions of the strips being adapted to pass through opposed apertured flanges at the other side of said mounting part in forming, in conjunction with the mounting part, closed ring members on one surface of said part, said last named end portions including local elements formed from and movable relatively to said end portions for retaining the ring members against displacement from the mounting part, the end portions of said strips being adapted to bear on the upper surface of the flat member of said mounting.

2,550,598
LIST FINDER
Martin S. Pollock, New York, N. Y.
Application September 21, 1948, Serial No. 50,266
6 Claims. (Cl. 40—104)



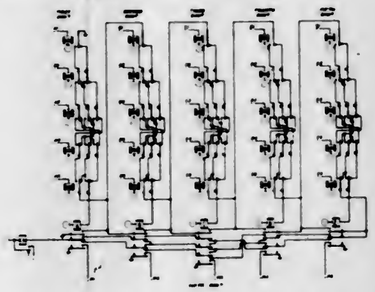
1. In a selector device of the character described, the combination of a base member comprising side and rear walls, a low front wall, a fixed platform integrally formed upon and partially spanning the side walls and having a freely forwardly extending flexible and depressible portion, the front end of which extends slightly beyond the front wall of the base member, a closure member pivotally and removably attached to the base member, a tension spring disposed between the base member and closure member to urge same upwardly about its pivotal connection, flexible upstanding snap latch elements extending from and formed upon the free end of the flexible extension of the fixed platform, a depending flexible snap latch element integrally formed upon the closure member and, coacting with the snap latch element upon the flexible extension, locks and holds the closure member in closed position, recording cards upon the fixed platform and movable with the closure member, cup shaped card holding members having inwardly extending arcuate side walls thereon, a removable shaft pivotally holding the base member, closure member and cupped card holding members in place, removable pins engaging through hubs upon the cupped card holding members, indexed tabs formed upon the recording cards and extending, in keyboard formation, forwardly therefrom and aligned with the front end of the flexible extension of the fixed platform, each tab, when depressed, being adapted to separate the cards into an upper and lower stack, the upper stack of cards remaining within and moving with the closure member when same is released by the coacting snap latches, while the lower stack of cards comprising a card selected by depressing a tab, and its underlying cards is held depressed against the flexible extension of the fixed platform, upstanding spring guide lugs integrally formed upon the base member and frictionally engaging against the side edges of the recording cards, depending spring bands secured at one end to the closure member and frictionally engaging the front edges of the cards, the said upstanding guide lugs and depending spring bands adapted to hold the stack of cards in the closure member while a selected card and its underlying cards are held depressed against the flexible extension of the platform.

2,550,599
BED OR BERTH STRUCTURE
Stanley F. Reed, Washington, D. C., assignor, by mesne assignments, to Arnot & Company, Inc., a corporation of Maryland
Application October 22, 1945, Serial No. 623,670
4 Claims. (Cl. 5—9)



1. A movable berth including uprights formed with slots, a berth movable between the uprights, pins projecting from the berth and slidable in the slots to guide and limit the movement of the berth, a latch for cooperating with the berth to hold the latter in an inoperative position between and in line with the uprights, a lever pivoted on one of the uprights and formed with a block to underlie the pin and prevent movement of the berth in one direction relative to the uprights, means operatively connecting said latch and said lever, and manually operable means operatively connected with said lever for moving the block thereon out of the way of the pin carried by the berth to permit the pin to pass the block in its movement in the slot during operation of the berth from one position to another and simultaneously actuating said latch through said connecting means.

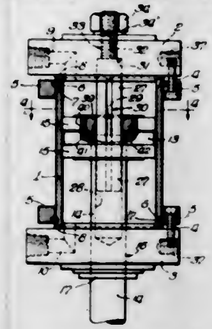
2,550,600
INDICATING CIRCUIT
Theodore C. Rehm, Islip, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 61,503
4 Claims. (Cl. 177—353)



1. An indicating circuit comprising in combination groups of conductors, one number of which is normally energized in a number of said groups and another number of which is normally

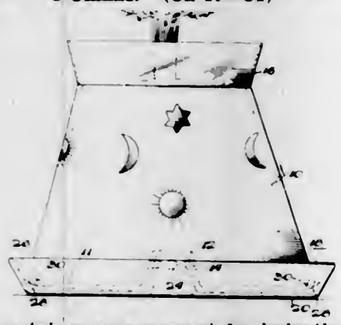
energized in the remainder of said groups, and means for indicating when a normal number of conductors is energized in each of said groups.

2,550,601
FLUID PRESSURE ACTUATING DEVICE
Leo F. Rosenberg, Chicago, Ill., assignor of five-twentieths to Betty Christensen and four-twentieths to Stanley Howard, both of Chicago, Ill.
Application December 11, 1948, Serial No. 64,766
3 Claims. (Cl. 121—38)



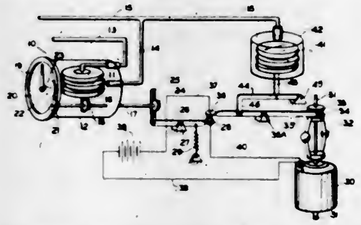
1. In a reciprocatory precision work engaging device, in combination, a cylinder having first and second cylinder heads one at each of its opposite ends, a guide rod mounted in said first cylinder head for turning movement about its axis in any desired amount and through complete 360° and projecting axially inwardly from said first cylinder head, a piston reciprocable in said cylinder and having an axial bore telescopically receiving said guide rod, said piston having a piston rod projecting for reciprocatory movement through said second cylinder head, work engaging means on said piston rod externally of said cylinder for operation upon work with which precision alignment is desired, the turning movement of said guide rod permitting precision alignment of said work engaging means with different work in any precision alignment position throughout 360° about its axis, and means for locking said guide rod and thereby said work engaging means in any of said different angular precision alignment positions.

2,550,602
POTTED PLANT CONTAINER
Walter F. Rothe, Washington, D. C.
Application June 27, 1947, Serial No. 757,534
3 Claims. (Cl. 47—34)



1. A container arrangement for irrigating and aerating growing plants, comprising a lower water holding container and an upper soil and plant holding container, a plurality of water feed openings formed in the bottom of the upper container and normally located below the water level of said lower container when the container is at least partially filled, a hollow nipple formed with a group of air feed openings extending upwardly from the bottom of said upper container, and a second hollow nipple formed with a similar group of air feed openings extending upwardly from the bottom of said lower container into the hollow bore of the first-mentioned nipple, whereby the said air openings of each nipple are registrable with each other in a plane above the water level in said lower container.

2,550,603
AIR-SPEED RESPONSIVE DEVICE
Matthew J. B. Russell, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 30, 1945, Serial No. 613,636
5 Claims. (Cl. 73—182)

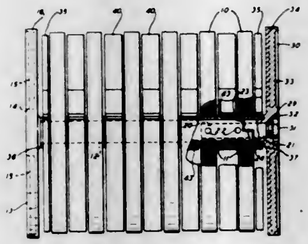


1. An airspeed responsive device comprising a pressure responsive member actuated by the impact pressure on one side thereof and by the static pressure on the other side thereof, a lever actuated by the movement of said pressure responsive member, a contact on said lever, a ball governor, a motor for rotating said ball governor, a second lever actuated by the linear motion of said ball governor, a second contact on said second lever adapted to engage and disengage said first contact upon movement of said levers, a power source connected to said motor and said contacts for operating said motor by the opening and closing of said contacts to rotate said governor at a speed proportional to the airspeed of a craft, and a second pressure responsive member responsive to the static pressure coacting with one of said levers in aiding relationship with said first pressure responsive member to compensate the rotational speed of said governor for varying air density.

2,550,604
REEL
Joseph A. Ruzga, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1947, Serial No. 736,530
1 Claim. (Cl. 242—124)

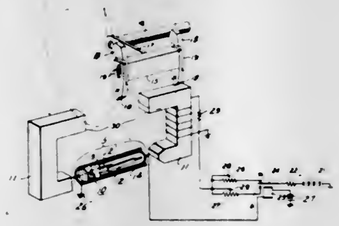
A reel for holding pads of metallic tapes to be annealed, which comprises a drum, a head fixed to one end of the drum, a second head designed to be secured to the other end of the drum, said second reel head and said drum being designed to interlock to prevent relative rotation therebetween, and a plurality of spacers designed to fit over the drum, each of said spacers being provided with a plurality of divergent arms for contacting relatively small areas of the faces of the pads and a hub from which the arms extend sub-

stantially radially, said hubs projecting beyond the arms to contact the pads to tend to hold



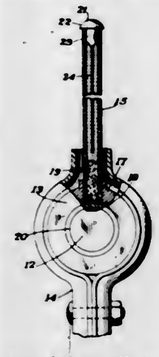
pads of tapes positioned on the drum out of engagement with the arms.

2,550,605
CIRCUIT CLOSING DEVICE
Alfred K. Schenck, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1945, Serial No. 607,055
11 Claims. (Cl. 175—373)



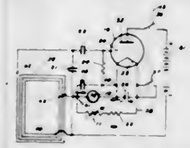
1. A magnetic relay comprising in combination a core of magnetic material having a plurality of non-magnetic gaps therein, an electrical contactor comprising a resilient contact-bearing magnetic member mounted in one of said gaps and adapted to be moved between contact closure and release under the influence of magnetic flux passed through said member and said core, a control member of magnetic material, driving means mechanically coupled to said control member for driving said control member in a repetitive cycle of movement into and out of magnetic bridging relation with another of said gaps whereby the closure and release of said magnetic member is dependent on the position of said control member, a magnetizing winding on said core, means for supplying substantially constant current of a first value to said winding when said contactor is released, and means responsive to closure of said contactor for changing said magnetizing current to a second substantially constant value, whereby the time of closure of said contactor is repeatedly controlled by the current of said first value to cause closure of said member at a first position, the same in each cycle of movement of said moving member, and whereby the time of release of said contactor is repeatedly controlled by the current of said second value to cause release of said member at a second position, the same in each cycle of movement of said moving member.

2,550,606
OIL TUBE FOR BEARINGS
Gerald L. Schwarz, Cleveland, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation
Application July 21, 1947, Serial No. 762,513
6 Claims. (Cl. 184—65)



1. Means for supplying oil to a bearing comprising a flexible transparent tube adapted to be coupled at one end to the bearing and to be filled with oil at the other end, a wire extending through the major part of the tube, and means to agitate the wire.

2,550,607
ELECTRONIC METAL DETECTOR
Frank M. Shoemaker, Pittsburgh, Pa.
Application February 13, 1948, Serial No. 8,141
2 Claims. (Cl. 175—183)

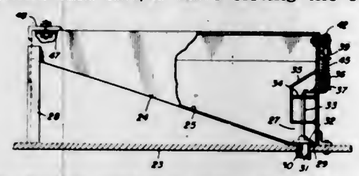


1. A detecting apparatus for locating a hidden metal object which comprises a vacuum tube having an anode, cathode and control grid, a pickup coil with an intermediate tap, a B battery, a connection from the anode through the B battery to one end of the pickup coil, a grid condenser, a connection from the grid through the grid condenser to the other end of said pickup coil, a grid leak connected from the grid to the cathode, a second condenser connected in multiple with the pickup coil, a current reading device connected between the cathode and the intermediate tap of the pickup coil, an A battery, a circuit to connect the A battery to supply energy to the cathode and to supply through the current reading device a current flow in a direction opposite to the current flow induced by the B battery, a variable resistor in said A battery circuit, and switch means having independent interruptors to open the B and A battery circuits.

2,550,608
TRACK SANDER
George T. Shotwell, Covington, Ky.
Application March 15, 1949, Serial No. 81,415
1 Claim. (Cl. 291—36)

A sanding device for vehicles comprising a substantially rectangular sand box having a sloping

bottom and a sloping side, sloping toward an outlet at one corner of the box, legs supporting the remaining corners of the box on a part of a vehicle, said box having a vertical slot in one end adjacent its lowermost corner, a housing in the box behind said slot, a valve closing the outlet,

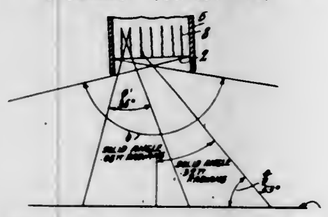


a rod extending upwardly from the valve into the housing and outwardly through the slot, guide means carried by the housing for the rod, a spring on the outer end of the rod closing the valve, and a manually operated lever connected to the outer end of the rod for opening the valve.

2,550,609
ADDITION OF A DESICCANT TO A FLUIDIZED IRON REDUCTION PROCESS
William L. Slater, Jr., Alhambra, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 24, 1947, Serial No. 793,765
4 Claims. (Cl. 252—472)

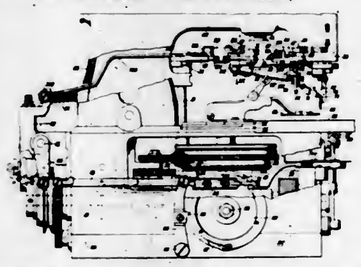
1. In the preparation of catalysts for the synthesis of hydrocarbons, oxygenated hydrocarbons and the like by the catalytic reduction of carbon monoxide with hydrogen wherein an oxidation product of a metal of the iron group is reduced by a stream of hydrogen, the improvement which comprises passing said stream of hydrogen in contact with a powdered mass of said oxidation product in a reduction zone under reaction conditions including an elevated temperature at which the metal compound is reduced to the metallic state, continuing passage of hydrogen until at least about 80 percent of the powder is reduced to the metallic form, thereafter adding a solid particle desiccant material effective to combine with water vapor under said reaction conditions with the formation of a dry solid product ineffective to impair reduction of the metal and capable of being separated from the catalyst particles, continuing said passage of hydrogen under said reaction conditions until reduction is substantially completed and separating the resulting desiccant material from said reduced catalyst.

2,550,610
NUCLEAR RADIATION DETECTOR
Perry C. Smith, Moorestown, and John H. Reisner, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 30, 1949, Serial No. 84,314
5 Claims. (Cl. 250—71)



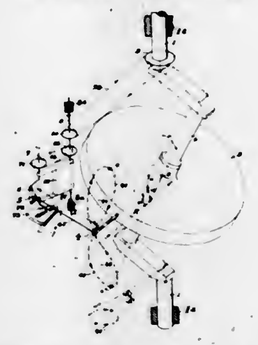
1. A radiation detector comprising in combination, a substance responsive to said radiation, detection means for said response, a filter which conducts said radiation interposed between said radiation and said responsive substance, and directive vanes substantially parallel to said radiation having said substance as a surface coating exposed to said radiation and being located between said radiation and said detector.

2,550,611
THREAD TRIMMING MECHANISM FOR SEWING MACHINES
Edward P. Spaine, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 22, 1948, Serial No. 55,894
12 Claims. (Cl. 112—252)



1. A sewing machine having stitch-forming mechanism including a thread-carrying needle having an eye and a shank, work-feeding mechanism, a needle-thread trimmer device including a pair of relatively movable thread-severing blades, said trimmer device having a retracted position, an intermediate needle-straddling position in which said thread-severing blades are separated and arranged on opposite sides of said needle at a level between its eye and shank, and a thread-cutting position spaced from said needle, means for shifting said trimmer device from retracted position to needle-straddling position and then to thread-cutting position, and connections for effecting a relative movement of said thread-severing blades into thread-severing relation.

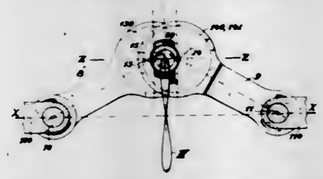
2,550,612
WOBBLE DRIVE MECHANISM
Edmund Ernst Karl Sparmann, Stockholm, Sweden
Application August 2, 1948, Serial No. 42,116
In Sweden August 4, 1947
8 Claims. (Cl. 74—60)



1. In apparatus of the character described, the combination with a shaft carrying a wobble plate

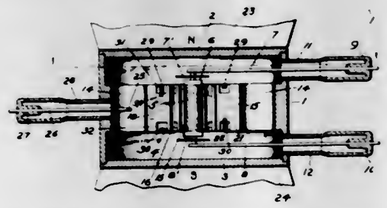
member inclined at an angle to the axis of rotation of the shaft and support means with respect to which said shaft is rotatably mounted, of a motion producing mechanism carried by said support means for imparting to an actuating element constituting a part of said mechanism two superposed oscillations displaced from each other in phase angle in relation to said support means in a direction substantially tangential to said wobble plate member as viewed in a direction parallel with said axis, means providing a positive connection between said shaft and said mechanism for imparting to said oscillations a frequency twice that of said shaft, and a rigid link articulatedly connecting said actuating element and a place on said wobble plate member in the wobble plane thereof, said link being substantially at a right angle to a radius of said wobble plate member.

2,550,613
MEANS FOR ANCHORING WOBBLE PLATES
Edmund Ernst Karl Sparmann, Stockholm, Sweden
Application December 10, 1946, Serial No. 715,265
In Sweden December 10, 1945
11 Claims. (Cl. 74—60)



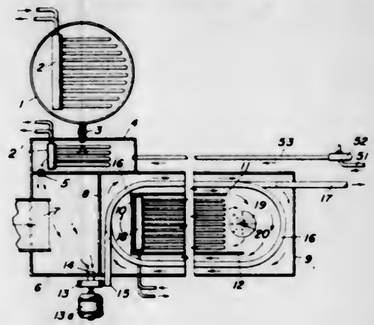
1. In an apparatus for guiding the movement of a wobble-plate, a support, a rotatable shaft mounted on said support, means securing the wobble-plate to said shaft at an angle to the axis thereof, a pair of links, a common connecting member for said pair of links pivotally secured to one end of each link of the pair, means comprising a universal joint pivotally securing said connecting member to said wobble-plate at a point in the wobble plane thereof, universal joints pivotally securing the opposite ends of said links to said support, said links and said connecting member constituting a lemniscate link guide whereby the point of attachment of said connecting member to said wobble-plate is guided in a lemniscate path.

2,550,614
HIGH-EFFICIENCY MAGNETRON
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 13, 1942, Serial No. 465,413
37 Claims. (Cl. 315—39)



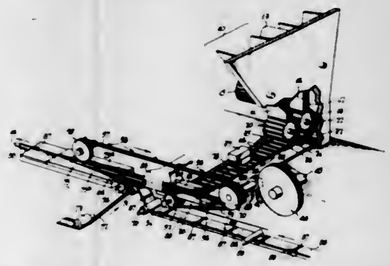
1. An electron discharge device comprising an electrode structure including a cathode and an anode, said electrode structure having a series of loop portions forming capacitances and inductances constituting tuned circuits which are adapted to have set up therein oscillations producing a plurality of in-phase voltage loops, a plurality of predetermined points being located on said electrode structure, said in-phase voltage loops occurring at said points, and a conductor interconnecting each of said points, said conductor being substantially surrounded by conducting material along a substantial portion of its length, and forming with said conducting material a virtual concentric transmission line.

2,550,615
METHOD OF AND APPARATUS FOR FREEZING FOODS
John H. Stansbury, Dillon, S. C., assignor to Stansbury, Inc., Baltimore, Md., a corporation of Maryland
Application July 10, 1946, Serial No. 682,468
17 Claims. (Cl. 62—104)



1. The method of freezing foods which comprises mixing the foods with a liquid vehicle, causing the fluid mixture to travel in the form of a continuously advancing, free flowing stream through a relatively long conduit having an open unobstructed interior throughout its length, and maintaining said conduit at a temperature below the freezing point of the food.

2,550,616
FEED DRIVE FOR PACKAGING MACHINES
Constantine S. Stephano, Meadowbrook, Pa., assignor to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania
Application September 12, 1949, Serial No. 115,152
12 Claims. (Cl. 93—2)



1. In feeding mechanism for cigarette packaging machines and the like, the combination which comprises a pair of feed screws drivingly interconnected one with the other, means for depositing articles to be packaged between the threads of said screws, a station at the terminus of said screws on which the articles to be packaged are deposited, means for individually removing said articles from said station in spaced relation to each other, and means including at least one roller adjacent the terminus of said screws for lightly contacting the tops of the articles carried by the screws to prevent jamming of the articles as they are transferred from the screws to the individual removing means.

2,550,617
FINE GRAIN PHOTOGRAPHIC DEVELOPER CONTAINING MORPHOLINE
George L. Steans, New York, N. Y., assignor to The FR Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 6, 1946, Serial No. 674,939
1 Claim. (Cl. 95—88)

A photographic developer essentially consisting of an aqueous solution of the following ingredients in approximately the amounts indicated per liter of solution:

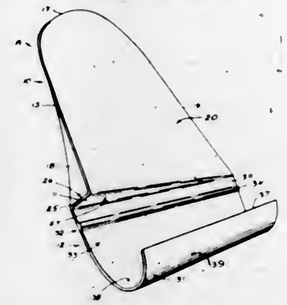
Paramethylaminophenol sulphate	grams	6
Sodium sulfite	do	80
Sodium thiocyanate	do	1
Potassium bromide	do	7
Morpholine	cc	1

2,550,618
CHART PLATE FOR INSTRUMENT CASES
Charles Strohm, Laureiton, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application June 13, 1946, Serial No. 676,557
6 Claims. (Cl. 346—145)



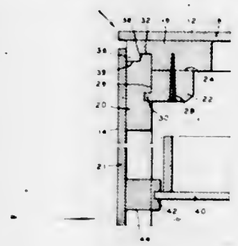
1. An instrument case comprising a box-like structure having an open face, a chart-plate in said opening, supports in said box on which said plate is adapted to be held, an extensible member attached to the bottom of said box and to the rear face of said plate, whereby said plate may be removed from said supports while attached to said box so as to be suspended with the chart face of said plate facing forwardly, said plate in said suspended position being substantially vertical, the elasticity of said extensible members exerting a force tending to retain said chart-plate on its supports when said plate is in operative position in said case.

2,550,619
AIR DEFLECTOR
John Birger Sutherland, Detroit, Mich.
Application September 23, 1947, Serial No. 775,658
12 Claims. (Cl. 98—2)



1. In a deflector for use in a window opening of a window frame structure having a compartment and a passageway from said opening to said compartment, said deflector including deflector means for disposal within said window opening, comprising a body portion; support means for contacting said frame structure at said opening, comprising a support portion carried by said body portion; and a retaining portion carried by one of said other portions and provided with a section extending through said passageway and resilient means extending from said section into said compartment for contact with a wall thereof to retain said deflector means against accidental displacement when said deflector means is within said window opening, including a curved section of resilient sheet material resiliently bearing against said wall.

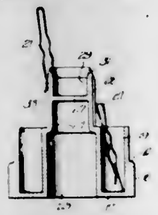
2,550,620
FURNITURE SUPPORT JOINTED TO FRAME
Johan Elias Svedberg, Stockholm, Sweden
Application July 18, 1945, Serial No. 605,720
In Sweden April 19, 1944
3 Claims. (Cl. 311—110)



1. An article of furniture of the cabinet type comprising panels providing side walls and a top, said panels including rigid frame members extending along marginal portions thereof and rigid dismountable joints, the inner face of one of said panels having a marginal tongue extending longitudinally of the frame member and an adjacent longitudinally extending groove, the marginal edge of a second panel having a tongue extending longitudinally of the frame member in spaced relation to the outer face of the panel and a longitudinally extending groove disposed between the last mentioned tongue and said outer face, the tongue of each panel being received re-

spectively in the groove of the other panel, an elongated locking bar extending longitudinally of and engaging the inner faces of both of said frame members, and means for securing said bar to both of said frame members whereby said panels are locked together to provide a unitary structure.

2,550,621
HAIRPIN HOLDER AND OPENER
Andrew Tau, Columbia, Mo.
Application April 5, 1949, Serial No. 85,579
2 Claims. (Cl. 132—1)



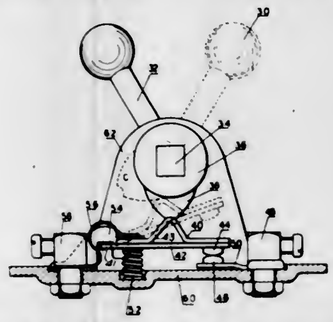
1. A container and opener for hairpins comprising a body portion and a circular central flange projecting upwardly from the body portion, said flange having its upper portion sloping to a sharp edge, and a smooth, rigid, horizontal stop wall inside the circular central flange at a level substantially above the level of the body portion, and below the upper edge a distance equal to a substantial portion of the length of a hair pin with which the container and opener is adapted to be used, whereby a leg of a hairpin inside the flange will be stopped while the opposite leg may be slid down the outer face of the flange a substantially greater distance.

2,550,622
OINTMENT BASE AND IODINE OINTMENT
Abraham Taub, New York, N. Y., assignor, by mesne assignments, to Benjamin Clayton, San Marino, Calif.
No Drawing. Application July 11, 1947, Serial No. 760,516
23 Claims. (Cl. 167—63)

1. As a composition of matter, an ointment base in the form of a smooth, semi-solid gel of ointment consistency, said gel comprising a mixture of liquid aliphatic polyhydroxy alcohol, a gelling agent for said polyhydroxy alcohol and water, the amount of said polyhydroxy alcohol in said mixture being between approximately 50% and 90% by weight, said gelling agent being predominantly water-dispersible alkylated cellulose, the amount of said alkylated cellulose in said mixture being between approximately .3% and 15% and being sufficient to produce a gel of ointment consistency with said alcohol and water, the amount of water in said mixture being between approximately 1% and 30% and being sufficient to provide a smooth non-granular gel, the total polyhydroxy alcohol content of said ointment base other than said alkylated cellulose being liquid.

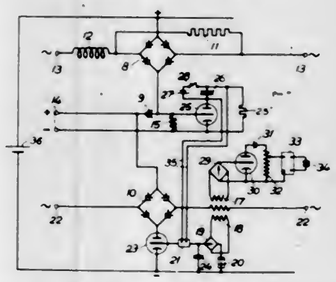
2,550,623
ELECTRIC CONTACT BREAKER
Angelo Teruzzi, Milan, Italy
Application January 11, 1947, Serial No. 721,551
In Italy April 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 13, 1962
4 Claims. (Cl. 200—153)

4. In an electric switch, a fixed contact having means for connection to a conductor, a blade carrying at one end a contact movable into and out of engagement with said fixed contact and having means for connection to a conductor, a fixed fulcrum against which the opposite end of said blade is detachably engaged, a spring engaging the blade intermediate its ends and normally holding the blade in engagement with said fulcrum and said contacts out of engagement, said spring engaging said blade adjacent said



fulcrum and spaced from the fulcrum supported end thereof, and operating means operating against said spring and engaging the blade between the location of the spring engagement and the blade supported contact, said operating means including a rotatable camming arm and means to rotate the same, said blade having an offset portion wherewith said arm lockingly engages.

2,550,624
MEANS FOR SIMULTANEOUSLY CLOSING A PLURALITY OF CIRCUITS
Erich Uhlmann, Ludvika, Sweden, and Johannes Hansen, Milwaukee, Wis., assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application March 16, 1948, Serial No. 15,108
In Sweden March 10, 1947
8 Claims. (Cl. 171—97)



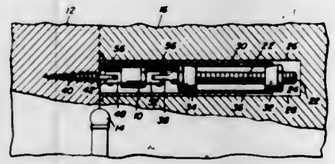
5. Electric circuit closing means for simultaneously opening and closing the three circuits of a three-phase line, comprising three circuits of a three-phase line, unilaterally conducting valve means in each of such circuits normally preventing the flow of current therein, each such valve means including two oppositely directed valve elements, a control circuit containing all such valve means, the elements of each such valve means passing current in the same direction through the control circuit, and means to open and close the control circuit, whereby operation of said last means simultaneously opens and closes all said circuits.

2,550,625
SCULLING OARLOCK AND MOUNTING CLAMP THEREFOR
Carl M. Vick, Jacksonville, Fla.
Application October 15, 1948, Serial No. 54,690
4 Claims. (Cl. 9—26)



1. A sculling oarlock and mounting clamp therefor including a screw clamp adapted to clamp upon the transom of a boat, a vertically disposed tubular bearing socket on said clamp, an oarlock supporting shank detachably supported in said socket having an upstanding lug, a sculling oarlock rockably supported upon said lug comprising a stationary outer ring and an inner ring rotatably mounted in said outer ring, an oar clamping bracket mounted in said inner ring, a threaded actuating member attached to said bracket and extending through a circumferential slot in said outer ring, and an adjustable stop member carried by said oarlock supporting shank adapted to engage a stop surface on said outer ring for varying the angular position of said oarlock with respect to said supporting shank.

2,550,626
ADJUSTABLE DOOR STAY
Benno M. Vollmer, Waukegan, Ill.
Application January 20, 1948, Serial No. 3,241
3 Claims. (Cl. 292—262)



3. A door check for a door hinged on a door casing, said casing having a lined cylindrical recess formed therein, comprising a threaded rod slidably housed in the recess, a longitudinally slotted resilient band disposed around the rod, a pair of inwardly tapered nuts received on the rod and longitudinally adjustable thereon relative to each other for engagement under the opposing ends of the band for selectively moving the resilient band in and out of frictional engagement with the lined side walls of the recess, a fastening member inserted in the door, a connecting member pivoted to the rod and member, said connecting member including a body section having a projecting clevis formed integrally at one end, an axially threaded bore formed in the other end of the body section, a clevis having a threaded shank adjustably secured in said bore.

2,550,627
METHOD OF MAKING FLOOR AND ROOF CONSTRUCTIONS
Ernest Walter, Montclair, N. J., assignor to Porete Manufacturing Company, North Arlington, N. J., a corporation of New Jersey
Application November 4, 1947, Serial No. 784,060
11 Claims. (Cl. 25—155)



1. A method of making a floor or roof structure which comprises erecting a false floor form, placing thereon longitudinally extending box-like forms of the shape and in the position of the beams of said structure, pouring a cellular concrete on said floor form between said box-like forms and allowing the same to set, removing said box-like forms, pouring structural concrete into the resulting spaces, and allowing the same to set.

2,550,628
ATTACHMENT FOR THE TAKE-UP BAR OF A SEWING MACHINE
David L. Webster, III, Miami, Fla.
Application November 10, 1949, Serial No. 126,507
4 Claims. (Cl. 112—241)

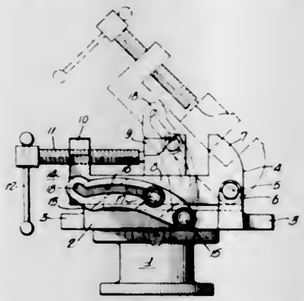


1. An attachment for the take-up bar of a sewing machine consisting of a single piece of resilient wire comprising a close bight forming a prong, a portion extending from one side of the bight and formed to engage the take-up bar so as to force the prong into the thread hole of the bar and a portion extending from the other side of the bight to provide a thread guide and consisting of a portion extending away from the prong, a bottom portion lying in an arc whose center is at the axis of the prong, and an upwardly extending portion having a length greater than the height of the thread bar.

2,550,629
STRUT MEANS FOR ADJUSTABLE ANGLE VISES
Albert Weix, Philadelphia, Pa., assignor to North Brothers Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 3, 1947, Serial No. 789,451
8 Claims. (Cl. 81—41)

8. A vise comprising a base member, a jaw assembly seating on and pivotally attached to said base for adjustment as a whole through an angle of at least approximately 90 degrees from the plane of the interseating surfaces and in a plane normal to the plane of said surfaces, said assembly comprising a pair of relatively movable jaws and a bed member having a surface defining the bottom of the work-receiving space between said jaws, and an adjustable strut for holding the assembly in adjusted position on the base, said strut being pivotally connected to the base at a point adjoining the jaw assembly pivot, and means for releasably securing the strut to the jaw assembly at a point on the bed member above

said plane of the interseating surfaces and adjoining a plane containing the work-space-defining surface thereof, said strut over the major part of its length curving away from said last



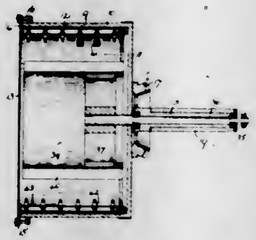
named plane so as to avoid intersecting the plane of said work-space-defining surface in the area between the jaws irrespective of the extent of the jaw opening or the angular position of the jaw assembly on the base.

2,550,630

DEVICE FOR USE IN POLISHING ARTICLES

Robert Whitehead, Wolverhampton, England, assignor to The Wolverhampton Die-Casting Company Limited, Wolverhampton, England, and Wilmot-Breeder Limited, Birmingham, England

Application March 28, 1947, Serial No. 737,889
In Great Britain April 15, 1946
9 Claims. (Cl. 51—13)



1. A device, for polishing articles, and comprising a hollow cylindrical drum, a mass of pellets and abrasive material in said drum means for supporting said articles on said drum adjacent the inner periphery thereof, closing walls at the two ends on said drum at least one of said walls mounting said supporting means, a rotor axially mounted in said drum, radially disposed projections of said rotor and means for driving said rotor at a relatively high speed, whereby said pellets and abrasive material is forcefully projected against said articles by the action of said rotating projections.

2,550,631

SHUFFLEBOARD WAX COMPOSITION AND METHOD OF MAKING SAME

William G. Young, Sr., South Plainfield, N. J.

No Drawing. Application February 27, 1947, Serial No. 731,399
12 Claims. (Cl. 117—100)

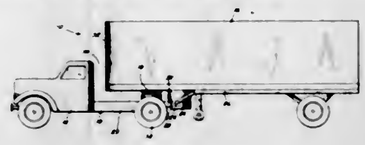
1. Comminuted hard nut shells of substantially rounded shape of particle, which particles are all small enough to pass a screen of about 40 mesh size, but substantially free from very fine powder, such particles being each impregnated and coated with a wax composition, the amount of such wax composition being only about 10% of the amount of said comminuted nut shell, and which has a melting point of about 165° to 175° F., said product being a mass of discrete granules, capable of being poured.

2,550,632

ANTITELESCOPING SAFETY DEVICE FOR SEMITRAILERS

William R. Young, Michigan City, and James M. Bickel, La Porte, Ind.

Application May 18, 1948, Serial No. 27,788
2 Claims. (Cl. 280—33.05)



1. The combination of a towing unit having a driver's cab mounted thereon, a trailer unit pivotally connected to said towing unit and spaced from said cab, and means for preventing telescoping of said units, said means comprising a downwardly projecting bumper member lying in the path of said towing unit and being attached to the chassis of said trailer unit, there being a plurality of bracing elements extending rearwardly from said bumper member to said trailer chassis, the spacing between the rear end of said towing unit and said bumper member being less than the spacing between the front end of said trailer unit and said cab.

2,550,633

DEVICE FOR CHILLING LIQUID COMESTIBLES

Albert M. Zalkind, Arlington, Va.

Application July 15, 1944, Serial No. 545,055
17 Claims. (Cl. 62—142)



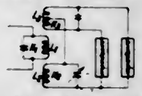
1. In a device for chilling liquids, a thin walled container adapted for retaining a quantity of water therein and having a heat transfer element of extended area for freezing said water into an ice mass, said container being substantially closed except for opening means to permit ingress and egress of liquids to be chilled by contact with said ice mass, and means adjacent said opening means for receiving impingement of a liquid to be chilled to direct said liquid against said ice mass, said latter means being inside said container.

2,550,634

DEVICE FOR PHASE MODULATION

Diethelm Zschokke, Solothurn, Switzerland, assignor to Autophon Aktiengesellschaft, Solothurn, Switzerland

Application March 23, 1948, Serial No. 16,512
In Switzerland April 3, 1947
4 Claims. (Cl. 332—23)



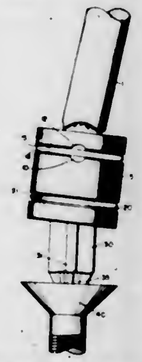
1. In a device for phase modulation, a first oscillating circuit, a lead-in means for the input voltage to said first oscillating circuit, a second oscillating circuit, a third oscillating circuit, said second and said third oscillating circuits being coupled with said first oscillating circuit, a variable reactance in said second oscillating circuit, said reactance being controlled by the modulating voltage, and said second and said third oscillating circuits being series connected.

2,550,635

SELF-ADJUSTING BIT AND HOLDER

Frank K. Brown and Harvey F. Phipard, Jr., South Dartmouth, and George E. Jenney, Jr., North Dartmouth, Mass., assignors to Research Engineering & Manufacturing, Inc., New Bedford, Mass.

Continuation of application Serial No. 37,848, July 9, 1948. This application February 10, 1950, Serial No. 143,424
8 Claims. (Cl. 279—16)



4. A self-adjusting driving connection of the kind described, comprising two elements united by a surrounding holder, said holder having a squared central recess and a peripheral groove, an opening from said groove into the interior of said squared recess, the cooperating element of cruciform shape in cross-section being provided with recesses in the corners of the cruciform element detachably secured by a yielding locking ball fitted in said opening and engaging a recess in the cruciform corners and held yieldingly in position by an encircling spring housed in said groove.

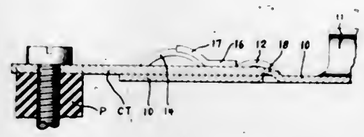
2,550,636

ELECTRIC SPADE TERMINAL RECEPTACLE

Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey

Application February 7, 1950, Serial No. 142,920
4 Claims. (Cl. 173—363)

1. An electrical terminal receptacle, for quick-connect and disconnect use with a conventional contact tongue adapted to be received thereinto; comprising an elongated rectangular shaped body, having means at its rear end to receive a wire adapted to be permanently connected therewith, and having an inner flat contact surface; a front and rear arch formed in tandem, along each parallel lengthwise side edge of the body, thus four arches, symmetrical with each other on and with the body, said arches being raised above the contact surface of said body, on axes transversely thereof, and spaced apart longitudinally as well as transversely, with the forward ends of the two front arches and the rearward ends of the two rear arches integrally formed with the body at its front and rear ends, thus each pair of arches spanning the body



lengthwise, and susceptible to resilient flexure in relation to the contact surface of the body; and a bridge carried between each of the two arches paired in tandem, integral with the latter, thus two bridges supported above the contact surface of the body by said four resilient arches; and contact means carried by each bridge, against which one surface of the aforesaid contact tongue engages, as the terminal receptacle hereof slides onto said tongue, with the other surface of said tongue also slidably engaging the contact surface of the body under frictional pressure, thereby urging the two bridges resiliently outward from the contact surface of the body, and spring-loading the arches, which react under tension to exert pressure on the contact tongue.

2,550,637

PRODUCTION OF ACETALS AND β-HALOALDEHYDES

John W. Copenhaver, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 19, 1946, Serial No. 677,918
10 Claims. (Cl. 260—615)

5. The process of producing acetals of β-haloacetaldehyde which comprises reacting an alkyl vinyl ether with an alkyl alcohol, a halogen selected from the group consisting of chlorine and bromine and an alkaline agent.

2,550,638

BLEACHING AND FILLING LEATHER WITH AMINO CARBOXYLIC ACID-METHYLOL MELAMINE RESIN

William O. Dawson, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

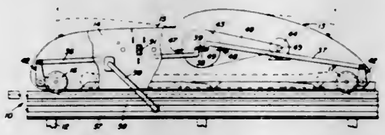
No Drawing. Application August 25, 1945, Serial No. 612,710
4 Claims. (Cl. 8—94.21)

1. A method of bleaching and filling leather which comprises impregnating the leather with an aqueous solution of the polymerized condensation product of 1 mol of an aminocarboxylic acid with 1–2.5 mols of a methylol melamine.

2,550,639
BLEACHING AND FILLING LEATHER WITH AMINO-SULFONIC ACID-METHYLOL MELAMINE TYPE RESINS
William O. Dawson, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 25, 1945, Serial No. 612,713
4 Claims. (Cl. 8—94.21)

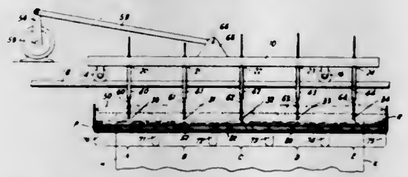
1. A method of bleaching and filling leather which comprises impregnating the leather with an aqueous solution of the polymerized condensation product of 1 mol of an aminosulfonic acid with 1–2.5 mols of a member of the group consisting of methylol melamines and methylol melamine-methylol urea copolymers.

2,550,640
LIGHT PRINTING MEANS
Frederick H. Frantz, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1948, Serial No. 11,013
17 Claims. (Cl. 95—73)



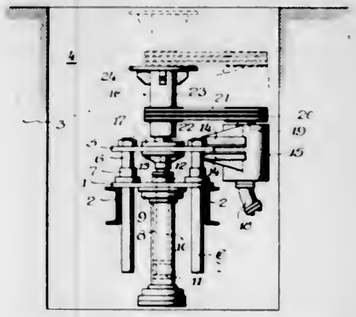
11. Printing apparatus for light sensitive printing material having in combination an elongated support for the sensitized material, a carriage movable over said support including means for illuminating said material as modified by originals placed thereon, means for effecting a progressive movement of said carriage over said support and means for maintaining firm contact between said originals and said material, as well as between said material and said support at the area where said illuminating means is effective, comprising a plurality of sequentially movable, flat, translucent pressure members operatively associated with the carriage, means for advancing said pressure members simultaneously with the movement of said carriage, and means for successively placing each of said members over said material.

2,550,641
METHOD OF AND APPARATUS FOR WELDING
Isaac Harter, Beaver, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application August 25, 1947, Serial No. 770,467
3 Claims. (Cl. 219—10)



1. In a method of electric arc fusion welding, forming a groove along the seam to be welded, simultaneously maintaining a plurality of metal fusing electric arcs uniformly distributed throughout the entire length of the seam, and continuously supplying weld metal to each of the arcs throughout the welding action while reciprocating the arcs longitudinally of the seam with the amplitude of reciprocation being of the order of the longitudinal spacing of the arcs, to fill the entire groove uniformly with weld metal at such a rate that the entire body of deposited metal will cool substantially as a unit.

2,550,642
CENTRIFUGAL CASTING MACHINE
Thomas E. Johnson, Freeport, Ill., assignor to The Illium Corporation, a corporation of Delaware
Application July 22, 1948, Serial No. 40,115
4 Claims. (Cl. 22—65)

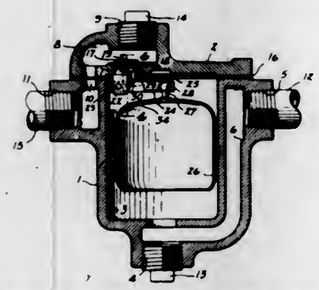


1. A centrifugal casting machine comprising means forming a pit, a platform arranged within said pit, a spin head mounted upon said platform, an hydraulic motor mounted upon said platform and operatively connected with said spin head, an hydraulic cylinder assembly vertically arranged within said pit underneath said platform, said cylinder assembly having a shaft arranged in supporting relationship to said platform, a fluid pump for continuously supplying fluid under pressure to said hydraulic motor and said hydraulic cylinder, a motor control valve and a cylinder control valve, a primary control valve adapted to direct fluid from said pump to either said motor control valve or said cylinder control valve, said cylinder control valve being adapted to direct fluid from said primary control valve to either the top or to the bottom of the cylinder of said hydraulic cylinder assembly.

2,550,643
STEAM TRAP
John L. Mainwaring and Harold E. Campbell, Parma, Ohio, assignors to The Clark Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 1, 1948, Serial No. 52,202
2 Claims. (Cl. 137—103)

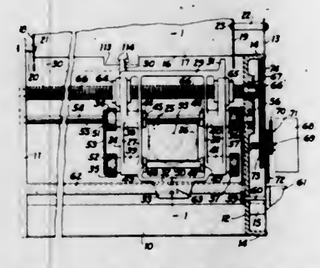
1. A steam trap comprising a vertically disposed float chamber having a top wall provided with an opening laterally of the vertical center line of the chamber, an inverted bracket type float having vertical and limited lateral movements in said chamber, an insert in said opening having a restricted valve opening and a downwardly facing valve seat, said insert having a vertically disposed passageway below said seat that is open at its lower end, a valve member having an upper end portion guided in said passageway and a lower end portion projecting

below said passageway, pivot lugs depending from said top wall on opposite sides of said insert, a lever of channel form wider than said passageway and having a web and vertical side flanges, said lever having one end disposed between said hinge lugs with its flanges straddling said valve member and its opposite end above the central portion of said float, said lever having an opening in its web beneath said insert to permit free flow of condensate to said passageway, a hori-



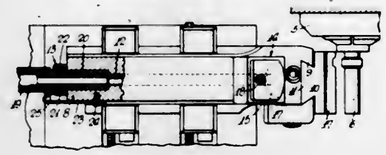
zontal pivot pin supported at its ends in said pivot lugs and passing through the flanges of said lever, a universal thrust transmitting connection between the float and the opposite end of the lever, and a second pivot pin parallel to the first and adjacent thereto on the side thereof toward the float connected end of the lever, said second pivot pin being supported at its ends in the flanges of the lever and passing through said valve member, said second pin being disposed centrally over said web opening.

2,550,644
ENDORSING MACHINE
George L. McCarthy, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 25, 1945, Serial No. 574,556
1 Claim. (Cl. 101—316)



In an endorsing machine, the combination comprising a stationary guideway for successively directing discrete documents into a document path, a plurality of supports in spaced relation and extending transversely of said guideway and path, a frame member supported and movable upon said supports transversely of said guideway and said document path, a document moving means completely mounted upon said frame member and for moving documents in a path transversely of said supports, a marking means completely mounted upon said frame member and for printing on documents being moved by said document moving means, and a frame reciprocating means for continuously moving said frame member to and fro transversely of said guideway and said document path and including a threaded connection between one of said supports and said frame member.

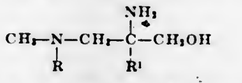
2,550,645
TOOLHOLDER
William B. Retz, Plainville, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 12, 1946, Serial No. 715,817
12 Claims. (Cl. 29—106)



1. In a tool holder or the like, a main body portion having a fluid-communicating duct therein, connection means at the inlet end of said duct for connection of said duct to a source of fluid supply, tool-supporting means on said body portion and independent of said duct, and a stream-deflecting member carried by said body portion and including a part overstanding the other end of said duct, said deflecting member being inclined to direct fluid from said duct into the vicinity of cutting action of a tool carried by said tool-supporting means.

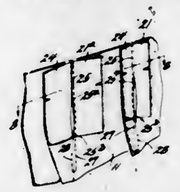
2,550,646
POLYAMINO ALCOHOLS AND METHOD FOR PREPARING THEM
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 21, 1947, Serial No. 769,986
7 Claims. (Cl. 260—563)

1. As new compositions of matter, polyamino alcohols having the following structural formula:



wherein R is a member selected from the group consisting of cycloalkyl and alkyl substituted cycloalkyl radicals and R^1 is an alkyl.

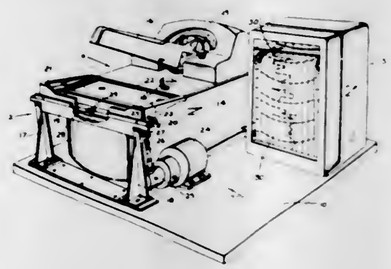
2,550,647
BELT SUPPORT STRUCTURE AND METHOD OF FORMING SAME
Joseph Singer, Hart, Mich.
Application February 10, 1949, Serial No. 75,671
12 Claims. (Cl. 2—236)

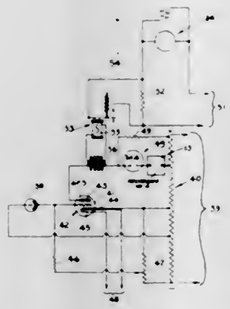


8. In a garment having double edged pleats, belt-receiving channels, one portion of the material defining each belt-receiving channel being

formed integrally and continuously with each of said pleats, the latter being provided with side edges, said channel member having inwardly folded side flaps provided with side edges, each of said side flaps being cut from a portion of the garment material, the space from which one of the inwardly folded side flaps is taken being concealed by an upper portion of one of the pleats, the top waist edges of the pleats being secured at the top, the upper side edges of each pleat being adjacent the circumferentially spaced side edges of each of the belt-receiving channel members and disguising the emergent circumferentially spaced side edges of said channel members.

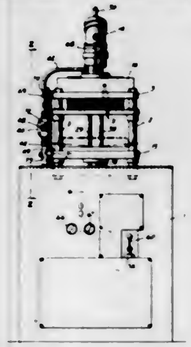
2,550,648
SPEED CONTROL FOR RECORDING DENSITOMETERS
Monroe H. Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 2, 1945, Serial No. 591,495
14 Claims. (Cl. 346—33)





5. In an arrangement for measuring and progressively recording the density of a specimen material throughout a predetermined portion thereof, a photoelectric density indicating and recording apparatus including a phototube, a recorder comprising a movable chart upon which density values of said specimen under analysis are recorded, a stylus cooperating with said chart, direct current responsive means for actuating said stylus, a direct current amplifier coupled to said phototube, an output circuit for said amplifier, stylus moving means and an alternating current responsive means in said circuit, means for moving said chart and simultaneously feeding said specimen past said phototube and control means including said alternating current responsive means for varying the rate of said feed.

2,550,649
CONTROL MECHANISM FOR HYDRAULIC CUTTER OPERATING AND CARRIAGE SHIFTING MOTORS OF MACHINE TOOLS
Frank G. Zagar, Euclid, Ohio, assignor to Zagar Tool, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 26, 1947, Serial No. 737,382
22 Claims. (Cl. 77—33.6)



1. A hydraulic operating mechanism for a machine tool comprising a hydraulic spindle driving motor requiring a substantial line pressure for operation, a hydraulic carriage shifting motor operable at a pressure less than that required to start said spindle driving motor, a liquid reservoir, a pump for delivering liquid from said reservoir, a conduit receiving fluid under pressure from said pump and connected to said driving motor, two passages connecting said conduit to said shifting motor, one of said passages being normally open and the other having an adjustable constant rate flow control valve, and a carriage operated valve for closing said normally open passage, whereby pressure is diverted to the spindle driving motor to start the same and said shifting motor is operated at a lower feeding speed under control of said flow control valve.

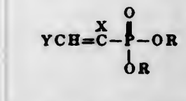
2,550,650
PROCESS OF PRODUCING A PLASTIC COMPOSITION FROM WASTE NYLON FIBERS
Orlan M. Arnold, Grosse Pointe Park, Mich.
No Drawing. Application September 19, 1945, Serial No. 617,432
1 Claim. (Cl. 260—45.5)

A process of producing polyamide plastics which comprises applying to the exterior surfaces of waste nylon fibers composed essentially of polyhexamethylene adipamide a solvent solution of polystyrene, evaporating said solvent to deposit a coating of polystyrene on said fibers, and heating and pressing said fibers together to form them into a molten mass capable of being extruded to form new fibers.

2,550,651
CYCLOHEXENE PHOSPHONATES AND THEIR PREPARATION
Joseph B. Dickey, Harry W. Coover, Jr., and Newton H. Shearer, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 9, 1949, Serial No. 103,952
11 Claims. (Cl. 260—461)

1. A method for preparing cyclohexene phosphonates which comprises heating together at

100–250° C. for 1–10 hours a compound having the formula $CZ_2{=}CZ{-}CZ{=}CZ_2$, Z being selected from hydrogen and alkyl with a compound having the formula

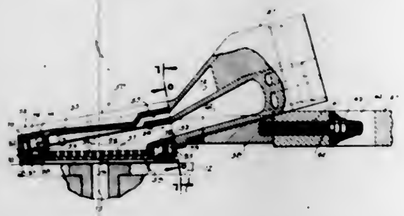


R being alkyl, X being selected from the group of hydrogen and alkyl and Y being selected from the group of hydrogen, carbalkoxy and nitrile.

2,550,652
DIALLYL CYANAMIDE COPOLYMER COMPOSITIONS
Erhart K. Drechsel and John J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 12, 1949, Serial No. 121,066
12 Claims. (Cl. 260—85.5)

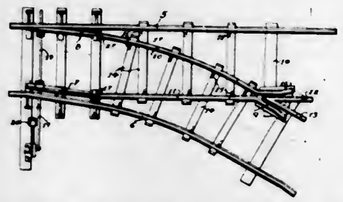
1. A polymerizable composition comprising, by weight, (1) from 1% to 75% of diallyl cyanamide, (2) from 25% to 99% of a compound which is different from the compound of (1), is copolymerizable therewith and which contains a $CH_2{=}C<$ grouping, and (3) a catalyst for accelerating the copolymerization of the ingredients of (1) and (2).

2,550,653
METAL POWDER FEED MECHANISM
John A. Harrington, Minneapolis, Minn.
Application September 19, 1946, Serial No. 697,936
4 Claims. (Cl. 78—.5)



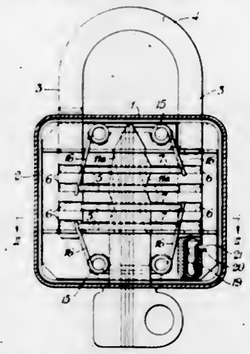
1. A feed nozzle for filling a cavity with powdered material, comprising: a head having an outlet opening at its bottom leading from a chamber in the interior of the head; the head having an inlet passage leading to said chamber and through which powdered material entrained in gas may be delivered to said chamber for discharge through the outlet opening in the bottom of the head; a gasket carried by and projecting from the bottom of the head and encircling the outlet opening therein, said gasket providing a substantially air-tight seal between the bottom of the head and a surface upon which the head is positioned to form an enclosed space for connecting the mouth of the outlet opening with the mouth of a cavity opening to said surface; and the head having an exhaust passage communicating with said space circumscribed by the gasket to vent the same during the charging of powdered material into the cavity.

2,550,654
REVERSIBLE TURNOUT
James B. Haskell, Huntington, W. Va., assignor to West Virginia Steel and Manufacturing Company, Huntington, W. Va., a corporation of West Virginia
Application April 22, 1946, Serial No. 663,983
4 Claims. (Cl. 246—415)



1. A reversible turnout comprising, a straight stock rail and a parallel straight closure rail each adaptable for being laid to the right or to the left without inversion, a closure rail symmetrically curved from end to end so as to be adaptable to be laid so as to curve to the right or to the left without inversion, a frog with which ends of said closure rails connect and which is adaptable to be angled to the right or to the left without inversion, continuation rails leading from the frog in straightaway and turn directions, a curved stock rail shaped to be symmetrical about its middle and turnable end for end without inversion accordingly as a right or left turnout is assembled, and switch points forming continuations of the closure rails and disposed between and cooperating with the stock rails.

2,550,655
PADLOCK
Anthony Holan, London, England
Application April 29, 1948, Serial No. 23,934
2 Claims. (Cl. 70—38)



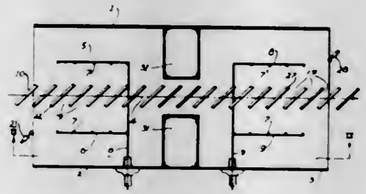
1. In a padlock, the combination of, a casing, a shackle having two limbs the free ends of which are slidably accommodated in said casing, each of said limbs having an equal number of transverse grooves therein, the grooves in one of said limbs being in the same plane as the grooves in the other limb, a series of spaced parallel slidable locking plates positioned inside said casing so that each plate can engage corresponding grooves in said limbs, individual spring members inside said casing arranged and positioned to separately urge alternate locking plates in opposite directions, said spring members normally maintaining said plates in staggered relation to each other,

each of said plates having a key receiving slot therein adapted to receive a key for displacing and freeing said plates from engagement with said grooves.

2,550,656
ICE CREAM MANUFACTURE
John W. Knechtges, Chicago, Ill., assignor, by mesne assignments, to Swift & Company, a corporation of Illinois
No Drawing. Application June 5, 1947, Serial No. 752,833
6 Claims. (Cl. 99—131)

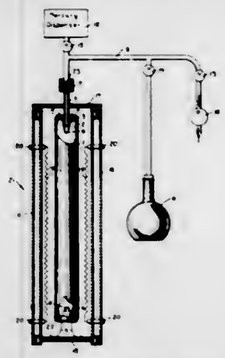
1. A process of treating sweetened whole fruit used in frozen confection products, which comprises separating the fresh uncooked whole fruit from the fruit juice syrup formed when the said fruit is sweetened, dispersing throughout the fruit juice syrup a gel-forming substance, combining the fruit juice syrup containing the gel-forming substance with the whole fruit, and maintainng the gel-containing fruit juice syrup in contact with the said whole fruit until a slight gel is formed, whereupon the said fruit when introduced into a frozen confection will not have objectionable ice crystals in said fruit.

2,550,657
ELECTROSTATIC COATING METHOD AND APPARATUS
Harold P. Ransburg, Indianapolis, Ind., assignor, by direct and mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application December 28, 1945, Serial No. 637,692
7 Claims. (Cl. 117—93)



1. Apparatus comprising booth means having entrance and exit portions, said portions being disposed at an angle to each other, means for conveying an article to be coated through said portions, means for providing an electrostatic field over the surface of an article as it is moved through said entrance and exit portions, means for directing separate streams of finely divided coating material into said fields in said entrance and exit portions and generally toward the apex of said booth means for electrostatically depositing said material on the surfaces of said article whereby the material blends into a single layer, and gas moving means located in the vicinity of said apex and intermediate said entrance and exit portions for preventing interference between said streams and for facilitating the electrostatic deposition of coating material on said article.

2,550,658
EXHAUST TUBULATION
Walter H. Van Dyke, Peabody, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 29, 1947, Serial No. 738,158
1 Claim. (Cl. 313—317)



An electric gaseous discharge lamp comprising a glass envelope, electrodes mounted within said envelope, a filling of inert gas within said envelope, a quantity of mercury within said envelope, an exhaust tubulation extending from said envelope, and a coating of monoethylchlorosilane on the inner wall of said tubulation.

2,550,659
PROCESS FOR PRODUCING MELAMINE
Raymond A. Vingee, Stamford, Conn., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application May 9, 1947, Serial No. 747,137
6 Claims. (Cl. 260—249.7)

1. A process for the production of melamine which comprises heating, in absence of substantial amounts of water; reactants comprising urea in a reaction zone to which is added less than 10 mol percent on the reactants of material of the group consisting of phosphoric acid, its salts, and its anhydrides, and mixtures thereof; and continuing to heat the reaction mixture, at a temperature within the range of about 300° C.–450° C. and in contact with an atmosphere containing ammonia and carbon dioxide in which the partial pressure of ammonia and carbon dioxide reaches at least about 1000 p. s. i. during the reaction, until at least a substantial portion of the reaction mixture its converted to melamine.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

620,808. APPARATUS FOR CATALYTIC CRACKING. Leroy F. Strader, Long Beach, Calif., and Willis S. Gullette, Highland, Ind., assignors of one-half to Sinclair Refining Co., New York, N. Y., a corporation of Maine, and one-half to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware. Filed Oct. 6, 1945. Published Apr. 24, 1951. Class 23—288. 3 sheets of drawings. 8 pages of specification.

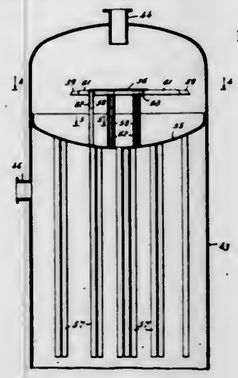


Fig. 3

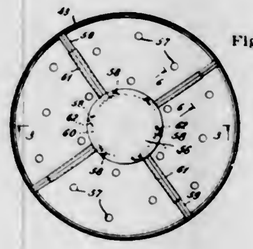
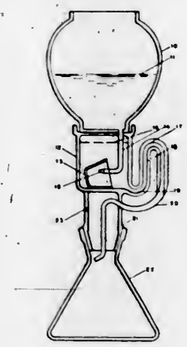


Fig. 4

The apparatus disclosed in the above-identified application is employed in a vessel **43** through which solid particles move in compact non-turbulent flow, such vessels being typically used in hydrocarbon cracking systems. The particular device disclosed is used to aid in the uniform distribution of particles of different sizes to the conduits **57** which feed the particles from a storage chamber fed by conduit **44** onto the surface of a downwardly moving bed below the ends of conduits **57**. As shown in the drawings, the device comprises a circular baffle **56** maintained in a position concentric with respect to the chamber by braces **59** and spaced above the upper ends of conduits **57** by legs **58**. Braces **59** are joined to the shell of the vessel and to a circular ring **60**, which ring is of somewhat lesser diameter than baffle **56** and which is affixed to the underside thereof. Legs **58** and braces **59** may be provided with sheaths of wear resistant metal, indicated as **62** and **61** respectively.

Baffle **56** serves to spread the particles, continuously introduced through the port **44**, in a ring, and concentration of fines in the center of the plate **55**, with consequent concentration of fines centrally through the reactor, is thus avoided. It is this concentration of fines centrally through the reactor which gives rise to "channeling" of the fluid flow in vessels not equipped according to the disclosure, the "channeling" being through the particles predominating in coarse particles flowing from the outer distributing conduits **57**.

621,848. METHOD AND APPARATUS FOR LIQUID TRANSFER. John A. Klacsmann, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Oct. 11, 1945. Published Apr. 24, 1951. Class 23—272. 1 sheet of drawings. 9 pages of specification.



This application discloses apparatus for treating the contents of a laboratory crucible, such as those commonly used in conducting quantitative chemical analyses, with successive quantities of a liquid. The apparatus comprises a reservoir **10** for the treating liquid superposed on a treating chamber **12** containing the crucible **13**. The chamber **12** is in turn supported on a receiver **22**.

The treating liquid flows from reservoir **10** through a conduit **14** to the interior of the treating chamber. The discharge end of the conduit **14** has a restriction which causes the liquid to be discharged against the contents of the crucible in the form of a jet. The treating liquid accumulates in the chamber **12** and is periodically siphoned into receiver **22** through a siphoning conduit **15**. The quantity of treating liquid that can accumulate in chamber **12** before it is siphoned out is determined by the height of the reverse bend **17** in the siphoning conduit.

760,455. **INSULATED ELECTRICAL CONDUCTORS.** Norman L. Hewitt, Red Bank, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey. Filed July 11, 1947. Published Apr. 24, 1951. Class 117—128.4. 1 sheet of drawings. 10 pages of specification.



The application relates to electrical conductors which are insulated or jacketed with a thermosetting compound comprising a mixture of polyethylene and a vulcanizable polymer of isobutylene (95% to 98%) and butadiene (5% to 2%) known as "Butyl rubber." The compound is extruded directly on the conductor or over other insulation enclosing the conductor and then is vulcanized. The polyethylene content of the compound lies in the range of from about one-sixth to about one and one-half times the content of the isobutylene-butadiene polymer and conventional modifying and vulcanizing agents may be included.

Examples of compound

	Parts by weight
Vulcanizable polymer of isobutylene (95% to 98%) and butadiene (5% to 2%) known as "Butyl rubber"	43.0
Polyethylene	50.0
Zinc oxide	.75
Naphthenic base oil	1.50
Paraffin	2.50
Sulfur	1.0
Para dinitroso benzene	.50
Tetra methyl thiuram disulfide	.50
Selenium diethyl dithiocarbamate	.25
Total	100.00

774,890. **ARYL SULFONYL CHLORIDE COUPLERS AND METHOD OF USE IN PHOTOGRAPHIC EMULSION LAYERS.** Ilmari F. Salminen and Arnold Weissberger, Rochester, N. Y. Filed Sept. 18, 1947 Published Apr. 24, 1951. Class 95—6. No drawing. 21 pages of specification.

A method is disclosed for incorporating a non-diffusible coupler compound into a silver halide emulsion for color photography which comprises preparing a readily-crystallizable non-diffusing coupler compound of molecular weight of from 450 to 1000 containing an aryl sulfonyl chloride group, then hydrolyzing the sulfonyl chloride group of the coupler to a sulfonic acid group and incorporating the resulting coupler into the silver halide emulsion. Hydrolysis of the sulfonyl chloride group of the coupler is carried out prior to or during emulsion making procedure, but preferably just before it is desired to incorporate the coupler into the emulsion. The coupler has the advantage that it does not crystallize out of the emulsion layer.

The process is adapted for use with couplers containing reactive methylene or phenolic hydroxyl groups. The couplers may be pyrazolones, α-naphthols, cyano acetyls or benzoyl acetamides containing one or more aryl sulfonyl chloride groups connected to the coupler group preferably by way of a —NHCO— linkage, and the coupler or aryl sulfonyl chloride groups may be further substituted with aryl, aralkyl, aryloxy groups, etc., to improve the non-diffusing properties of the couplers in photographic emulsion layers.

A specific coupler 5-(3'-chlorosulfonyl benzamido)-1-naphthol is prepared by condensing 5-amino-1-naphthol with m-sulfobenzoyl dichloride in the presence of sodium acetate.

The emulsions are prepared according to the following examples:

Example I

.005 mol. of the —SO_2Cl coupler compound is dissolved in a mixture of 15 cc. of 95% ethyl alcohol and 7.5 cc. of 20% sodium hydroxide solution. The mixture is warmed gently if necessary to complete solution of the —SO_2Cl coupler then poured into 200 cc. of water at 40° C. If desired, the mixture may instead be added directly to a gelatin solution. The resulting solution is brought to pH of the order of 6–7 by addition of 2% citric acid solution. The —SO_3H coupler solution is then mixed with a suitable amount of melted silver halide emulsion.

In hydrolyzing the above couplers other means may be used such as acid or alkaline hydrolysis in lower aliphatic alcohol or aqueous media providing the conditions employed do not cause splitting of the coupler at points in the molecule such as at the —NHCO— linkage.

Example II

The required quantity of coupler compound is added to aqueous pyridine solution which may contain another solvent such as alcohol, which causes the —SO_2Cl group to go to —SO_3H. Thereafter, we can add the mixture to a gelatin solution, neutralize the mixture then cause the composition to set up. After cutting up the gel, it can be washed to remove the more soluble salts therefrom. The resultant dispersion of coupler in gelatin can then be melted and added to the required amount of silver halide emulsion.

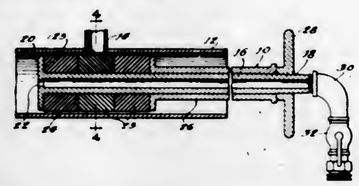
19,881. **WEB FABRIC OF OXIDIZED CELLULOSE.** John R. Caldwell, Kingsport, Tenn. Filed Apr. 8, 1948. Published Apr. 24, 1951. Class 8—125. No drawing. 9 pages of specification.

Sometimes it is desirable to produce fabrics without resorting to spinning, weaving, or knitting. This may be accomplished by forming a web using oxidized cellulose, followed by printing, embossing, or spraying the web with a small amount of an aqueous solution of an alkaline material so as to form a salt of the oxidized cellulose, thus binding the fibers into a continuous bonded structure. The oxidized cellulose used is that which has been oxidized with NO_2, such as described and claimed in U. S. Patent No. 2,232,990 of Yackel and Kenyon or in U. S. Patent No. 2,448,892. The web referred to may be either (1) and individual web of cellulose which has been oxidized with NO_2, (2) one prepared by combining several webs of cellulose until the desired thickness is obtained, and then treating with NO_2, or (3) one in which oxidized cellulose fibers had been incorporated in a mass of cellulose fibers generally. After forming the web, it may

then be treated with dilute aqueous alkali, such as by passing through a roll-printing machine and printing with dilute sodium hydroxide solution in a pattern of horizontal and vertical lines. The alkaline material used may be any water soluble basic material, either organic or inorganic, which forms salt with the oxidized cellulose. Some of the basic materials which may be employed are alkali metal hydroxides, alkylamines, alkylolamines, ammonium hydroxide, alkali metal carbonates and bicarbonates or alkaline earth metal hydroxides. Examples of inorganic bases suitable for moistening carboxyl cellulose web to form a bound fabric are sodium hydroxide, potassium hydroxide, sodium bicarbonate, potassium carbonate, barium hydroxide, calcium hydroxide, and ammonium hydroxide. Examples of amines which might be employed are trimethylamine, monobutylamine, monoethanolamine, diethanolamine, and triisopropanolamine. Although ordinarily the application from aqueous solution is desirable, organic solvents may be employed for this purpose. For instance, a solution of monoethanolamine in methyl alcohol can be employed for treatment of the carboxyl cellulose fibrous web to bind the fibers thereof.

The following illustrates the preparation of a web fabric in this fashion: A mat of cotton fibers ⅛-inch thick was oxidized with NO_2 vapors to a carboxyl content of 15 per cent. The oxidized mat was passed through a roll-printing machine, where it was printed with a series of cross lines, using dilute sodium hydroxide solution. The alkaline solution softened the carboxyl cellulose fibers and bound them together at intervals to form a smooth, strong fabric. To impart water resistance, the bonded web was passed through dilute hydrochloric acid, washed and dried, thereby removing the sodium ion and regenerating the carboxyl cellulose binding the fibers.

154,296. **PIPE COUPLER.** Roy M. Scott, Richland, Wash., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Filed Apr. 6, 1950. Published Apr. 24, 1951. Class 285—165. 1 sheet of drawings. 7 pages of specification.



A pipe coupler **10** comprises a tube **16** having one end **18** threaded and the opposite end provided with an end plate **20**, segments of elastic collar **25** around the tube **16** abutting the end plate, a spool **26** slidably disposed on the tube between the collar and threaded end, and a take-up wheel **28** engaging the threaded end. A valve **32** secured to the threaded end is optional. By tightening the wheel against the spool the elastic collar expands radially against the interior of a conduit **12** and simultaneously closing passage through conduit **12** and inlet pipe **14**.

DESIGNS

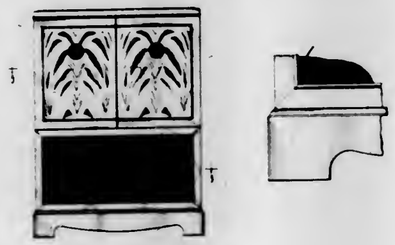
APRIL 24, 1951

163,014
COMBINED TELEVISION AND RADIO-PHONOGRAPH CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application December 22, 1950, Serial No. 13,535
Term of patent 14 years
(Cl. D56—4)

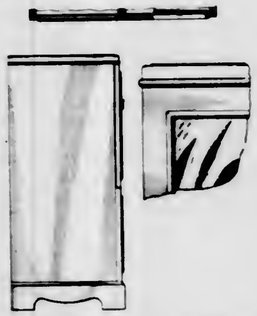


The ornamental design for a combined television and radio-phonograph cabinet, as shown and described.

163,015
TELEVISION CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application December 22, 1950, Serial No. 13,536
Term of patent 14 years
(Cl. D56—4)

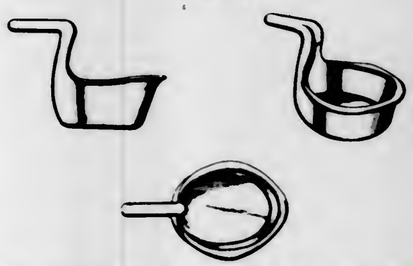


163,015—Continued



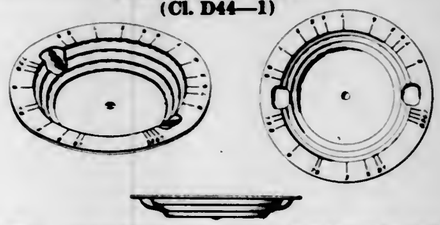
The ornamental design for a television cabinet, as shown and described.

163,016
CHAMBER POT
Roy Aitken, Glasgow, Scotland
Application September 24, 1948, Serial No. 148,740
In Great Britain August 21, 1948
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a chamber pot, as shown.

163,017
PIE PLATE
Louis C. Biancheri, Alhambra, Calif., assignor of one-half to Fred W. Binger, Los Angeles, Calif.
Application November 26, 1948, Serial No. 149,846
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a pie plate, substantially as shown.

163,018
FILM MATERIAL OR LIKE FLAT SURFACE MATERIAL
John Bolten, Sr., Andover, Mass.
Application November 28, 1950, Serial No. 13,165
Term of patent 14 years
(Cl. D92—1)



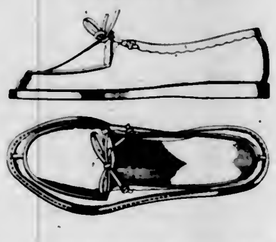
The ornamental design for a film material, or like flat surface material, substantially as shown and described.

163,019
SHOE OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif., assignor to Cobblers Incorporated, Los Angeles, Calif., a corporation of California
Application January 25, 1951, Serial No. 13,973
Term of patent 7 years
(Cl. D7—7)



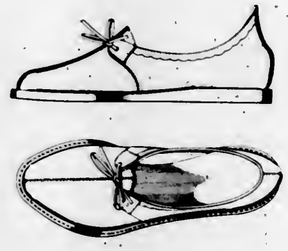
The ornamental design for a shoe or similar article, as shown.

163,020
SHOE OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif., assignor to Cobblers Incorporated, Los Angeles, Calif., a corporation of California
Application January 25, 1951, Serial No. 13,975
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe or similar article, as shown.

163,021
SHOE OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif., assignor to Cobblers Incorporated, Los Angeles, Calif., a corporation of California
Application January 25, 1951, Serial No. 13,976
Term of patent 7 years
(Cl. D7—7)



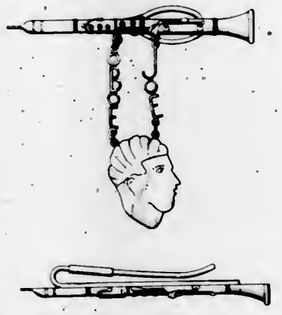
The ornamental design for a shoe or similar article, as shown.

163,022
TOY SWORD
Donald W. Brooks, Oradell, N. J.
Application December 30, 1949, Serial No. 6,930
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy sword, substantially as shown and described.

163,023
TIE CLASP OR SIMILAR ARTICLE
Kathy R. Cassel, Chicago, Ill.
Application October 25, 1950, Serial No. 12,710
Term of patent 14 years
(Cl. D17—3)



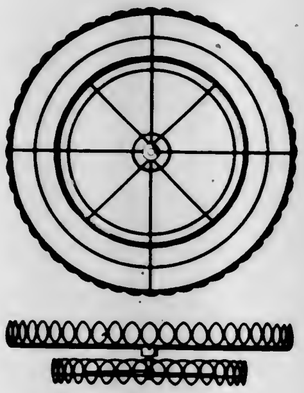
The ornamental design for a tie clasp or similar article, substantially as shown.

163,024
JEWELRY PENDANT OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application June 17, 1950, Serial No. 10,596
Term of patent 3½ years
(Cl. D45—17)



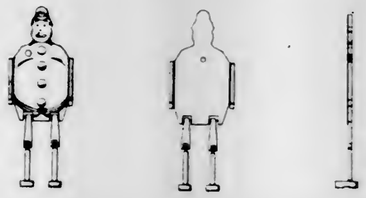
The ornamental design for a jewelry pendant or similar article, substantially as shown.

163,025
LAZY SUSAN OR THE LIKE
David Chudner, Los Angeles, Calif.
Application July 3, 1950, Serial No. 10,945
Term of patent 7 years
(Cl. D44—10)



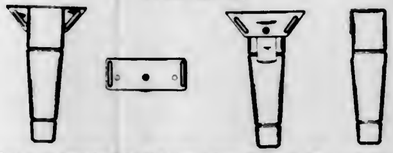
The ornamental design for a lazy Susan or the like, substantially as shown.

163,026
DANCING DOLL OR THE LIKE
Silvester Ciccone and Elmer L. King, Jr., Norfolk, Va.
Application October 27, 1949, Serial No. 5,732
Term of patent 3½ years
(Cl. D34—4)



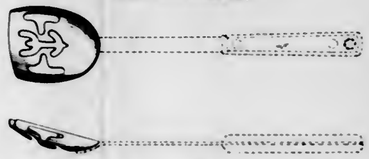
The ornamental design for a dancing doll or the like, substantially as shown.

163,027
BED LEG
Clem B. Colson, Los Angeles, Calif.
Application January 27, 1949, Serial No. 521
Term of patent 7 years
(Cl. D5—2)



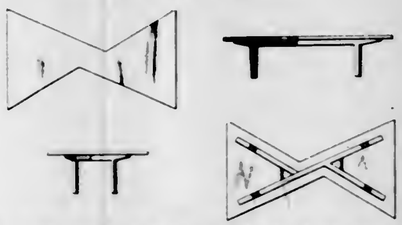
The ornamental design for a bed leg, as shown.

163,028
STIRRING AND BEATING SPOON
James E. Donaldson, Chicago, Ill.
Application June 22, 1948, Serial No. 147,131
Term of patent 14 years
(Cl. D44—29.4)



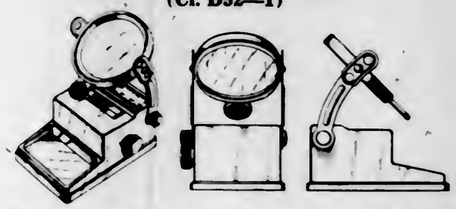
The ornamental design for a stirring and beating spoon, as shown and described.

163,029
TABLE OR SIMILAR ARTICLE
Lennart G. Erickson and Charlotte Erickson, Hillsborough, Calif.
Application June 10, 1950, Serial No. 10,447
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table or similar article, substantially as shown.

163,030
STAMP GAUGE
Joseph R. Fiala, Berwyn, Ill.
Application April 27, 1950, Serial No. 9,507
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a stamp gauge, as shown.

163,031
BASE FOR ELECTRIC DRINK MIXER
Gordon W. Florian, Bridgeport, Conn., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application January 14, 1950, Serial No. 7,258
Term of patent 14 years
(Cl. D44—1)



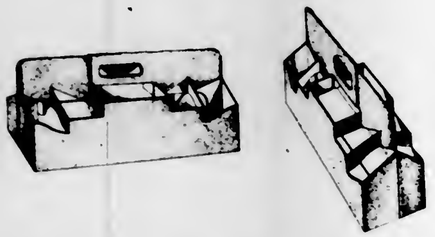
The ornamental design for a base for electric drink mixer, as shown.

163,032
TRAY OR SIMILAR ARTICLE
Howard L. Forman, Belle Harbor, N. Y., assignor to Ben Forman & Sons, Inc., New York, N. Y., a corporation
Application February 3, 1951, Serial No. 14,095
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a tray or similar article, as shown.

163,033
BOTTLE CARRIER
Homer W. Forrer, Atlanta, Ga., assignor to Atlanta Paper Company, a corporation of Georgia
Application August 11, 1950, Serial No. 11,736
Term of patent 14 years
(Cl. D58—13)



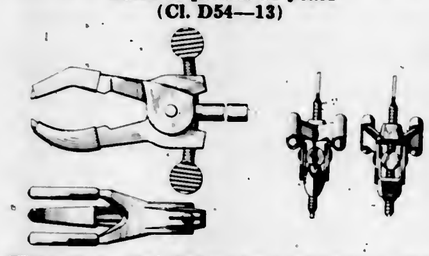
The ornamental design for a bottle carrier, as shown.

163,034
STOCKING
Warren Goff, Philadelphia, Pa.
Application May 23, 1950, Serial No. 10,116
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

163,035
LABORATORY CLAMP
Maynard E. Goldberg, Elmwood Park, Ill., assignor to Laboratory Industries, Inc., Elmwood Park, Ill., a corporation of Illinois
Application August 3, 1950, Serial No. 11,587
Term of patent 14 years
(Cl. D54—13)



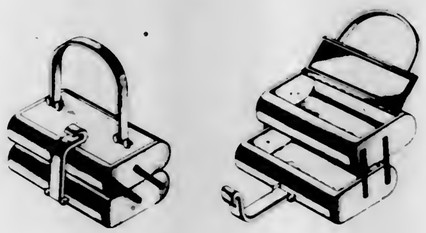
The ornamental design for a laboratory clamp, as shown.

163,036
TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application August 27, 1949, Serial No. 4,717
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown and described.

163,037
HANDBAG
William H. Hardy, River Edge, N. J.
Application May 29, 1950, Serial No. 10,260
Term of patent 7 years
(Cl. D87—3)



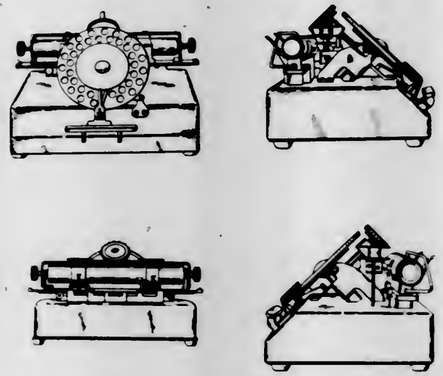
The ornamental design for a handbag, substantially as shown and described.

163,038
CAKE OF SOAP
Edward F. Haskell, New York, N. Y.
Application July 23, 1946, Serial No. 131,864
Term of patent 14 years
(Cl. D73—1)



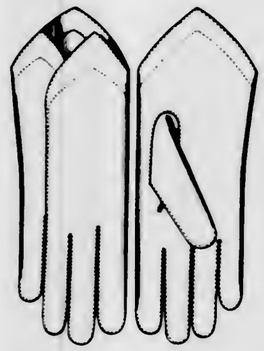
The ornamental design for a cake of soap, as shown.

163,039
TOY TYPEWRITER
Henry C. Hertz, Jackson, Mich., assignor to The Dial-Writer Company, a partnership
Application September 15, 1949, Serial No. 5,009
Term of patent 7 years
(Cl. D34—15)



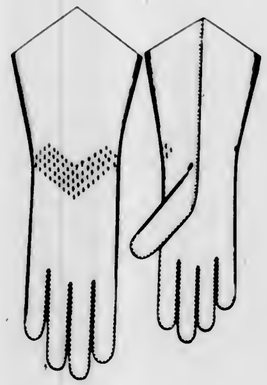
The ornamental design for a toy typewriter, as shown.

163,040
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application May 2, 1950, Serial No. 9,633
Term of patent 3½ years
(Cl. D3—11)



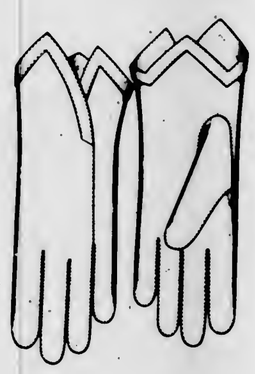
The ornamental design for a glove, substantially as shown.

163,041
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application July 3, 1950, Serial No. 10,939
Term of patent 3½ years
(Cl. D3—11)



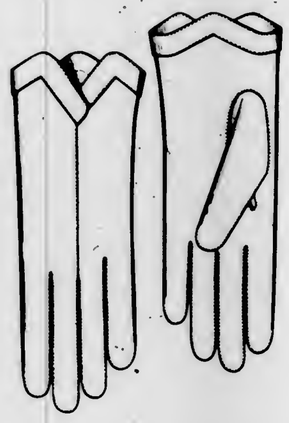
The ornamental design for a glove, substantially as shown and described.

163,042
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application July 6, 1950, Serial No. 10,974
Term of patent 3½ years
(Cl. D3—11)



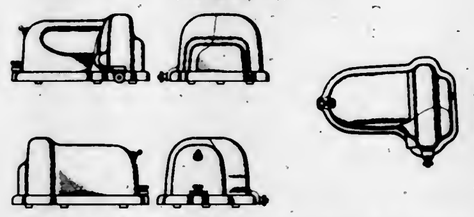
The ornamental design for a glove, substantially as shown.

163,043
GLOVE
Ross H. Higier, Johnstown, N. Y.
Application August 24, 1950, Serial No. 11,909
Term of patent 3½ years
(Cl. D3—11)



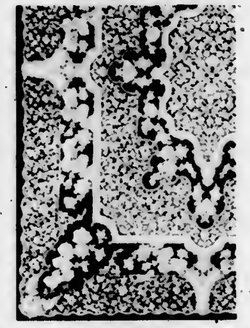
The ornamental design for a glove, substantially as shown.

163,044
CUTLERY SHARPENER
Leo A. Hoek, Los Angeles, Calif.
Application September 11, 1950, Serial No. 12,144
Term of patent 14 years
(Cl. D37—1)



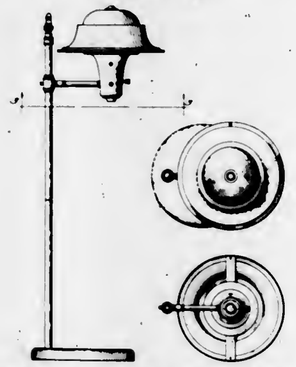
The ornamental design for a cutlery sharpener, as shown.

163,045
LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application November 24, 1950, Serial No. 13,118
Term of patent 7 years
(Cl. D92—26)



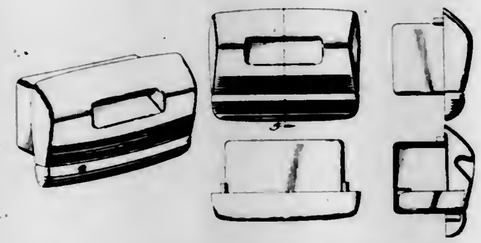
The ornamental design for a lace tablecloth, substantially as shown and described.

163,046
FLOOR LAMP OR SIMILAR ARTICLE
Roland T. Hughes, Oak Park, Ill.
Application October 18, 1949, Serial No. 5,553
Term of patent 7 years
(Cl. D48—20)



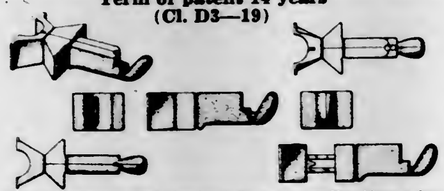
The ornamental design for a floor lamp or similar article, substantially as shown.

163,047
BUTTER CONTAINER
Richard B. Janes, Baldwin Lake, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application November 30, 1950, Serial No. 13,208
Term of patent 7 years
(Cl. D67—2)



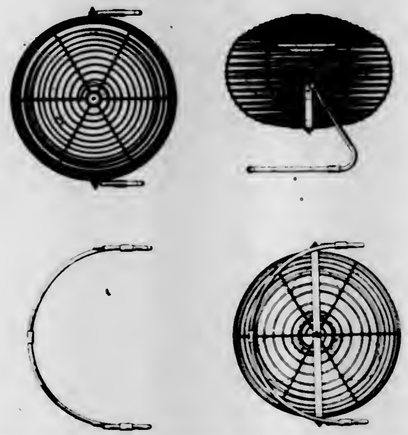
The ornamental design for a butter container, as shown.

163,048
NEEDLE THREADER
Julian Seth Kahn, Brooklyn, N. Y.
Application December 12, 1950, Serial No. 13,394
Term of patent 14 years
(Cl. D3—19)



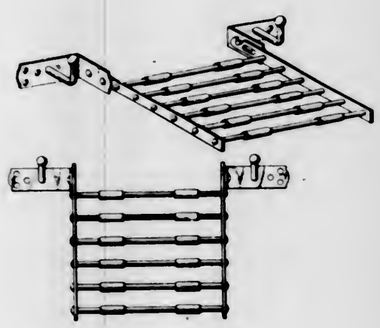
The ornamental design for a needle threader, substantially as shown.

163,049
AIR CIRCULATOR UNIT
Jacob W. Kisling, St. Louis County, Mo.
Application October 21, 1949, Serial No. 5,617
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an air circulator unit, substantially as shown, and described.

163,050
TROUSERS RACK OR SIMILAR ARTICLE
Albert Leebow, East Rockaway, N. Y., assignor to Berkeley Industries, Jersey City, N. J., a corporation of New Jersey
Application August 10, 1949, Serial No. 4,401
Term of patent 14 years
(Cl. D33—8)



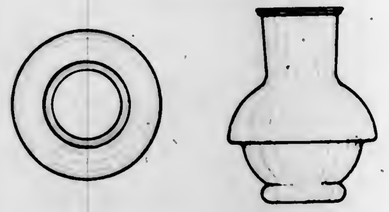
The ornamental design for a trousers rack or similar article, as shown.

163,051
PORTABLE RADIANT HEATER
Joseph Howard Leeds, New York, N. Y.
Application November 14, 1950, Serial No. 12,979
Term of patent 7 years
(Cl. D81—10)



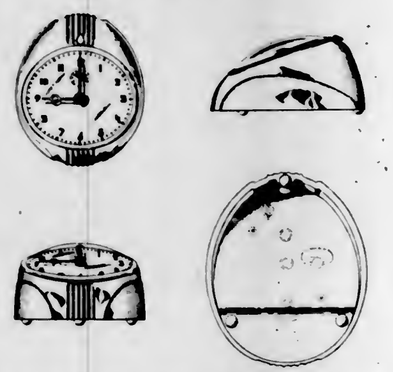
The ornamental design for a portable radiant heater, substantially as shown and described.

163,052
CARAFE
Melvin H. Levi, Long Island, N. Y.
Application February 9, 1950, Serial No. 7,831
Term of patent 14 years
(Cl. D44—21)



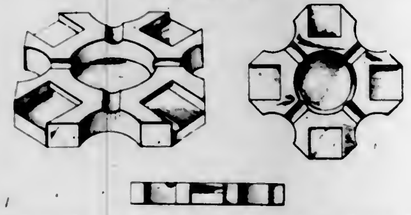
The ornamental design for a carafe, as shown.

163,053
ALARM CLOCK
Frederick Lux, Middlebury, Conn.
Application March 9, 1950, Serial No. 8,431
Term of patent 14 years
(Cl. D42—7)



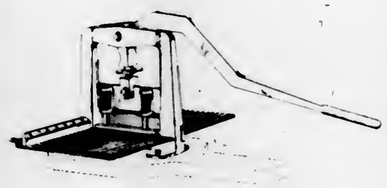
The ornamental design for an alarm clock, as shown.

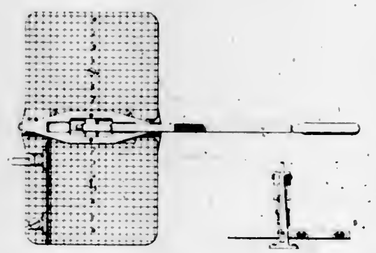
163,054
COMBINATION ASH TRAY AND MATCH BOOK HOLDER
Roderick J. MacDonald, Roselle, N. J.
Application August 19, 1950, Serial No. 11,856
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combination ash tray and match book holder, substantially as shown.

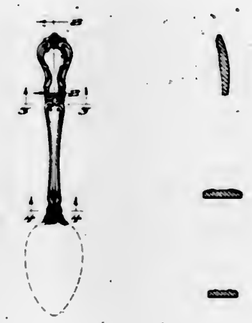
163,055
SWATCH CUTTING MACHINE OR THE LIKE
Richard C. Maxant, Ayer, Mass.
Application March 3, 1950, Serial No. 8,303
Term of patent 14 years
(Cl. D55—1)





The ornamental design for a swatch cutting machine or the like, substantially as shown and described.

163,056
SPOON OR SIMILAR ARTICLE
Edward B. McAlpine, Cranston, R. I., assignor to Manchester Silver Company, Inc., a corporation of Rhode Island
Application September 6, 1950, Serial No. 12,078
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, substantially as shown and described.

163,057
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,391
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

163,058
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,392
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

163,059
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,395
Term of patent 14 years
(Cl. D44—15)



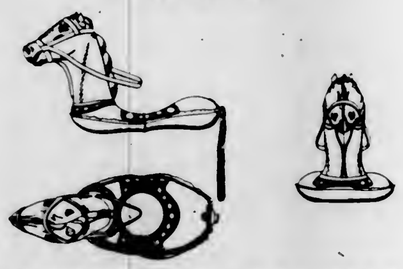
The ornamental design for a dinner plate or similar article, as shown and described.

163,060
TEXTILE FABRIC OR SIMILAR ARTICLE
William J. Meek, New City, N. Y., assignor to Edgar Fabrics, Inc., New York, N. Y., a corporation of New York
Application September 14, 1950, Serial No. 12,179
Term of patent 7 years
(Cl. D92—1)



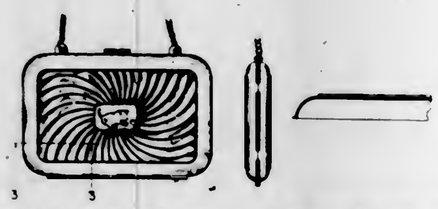
The ornamental design for a textile fabric or similar article, as shown and described.

163,061
INFLATABLE TOY HORSE
Hugo B. Meyer, Summit, and William E. Lawson, Sr., Rahway, N. J., assignors to U. S. Fiber & Plastics Corp., Stirling, N. J.
Application August 15, 1950, Serial No. 11,772
Term of patent 14 years
(Cl. D34—15)



The ornamental design for an inflatable toy horse, as shown.

163,062
POCKETBOOK OR SIMILAR ARTICLE
Simon Morrison, New York, N. Y.
Application October 11, 1950, Serial No. 12,521
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a pocketbook or similar article, substantially as shown and described.

163,063
COSMETIC CREAM JAR
Samuel F. Perkins, Jr., Washington, D. C.
Application April 9, 1948, Serial No. 145,607
Term of patent 14 years
(Cl. D58—25)



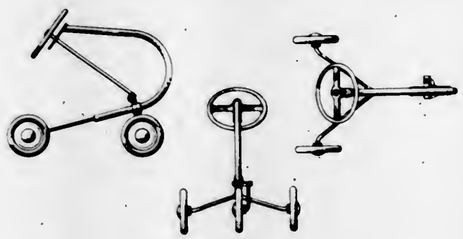
The ornamental design for a cosmetic cream jar, as shown and described.

163,064
POCKET LIGHTER
Paul Pouliot, Montreal, Quebec, Canada
Application November 20, 1950, Serial No. 13,061
Term of patent 14 years
(Cl. D48—27)



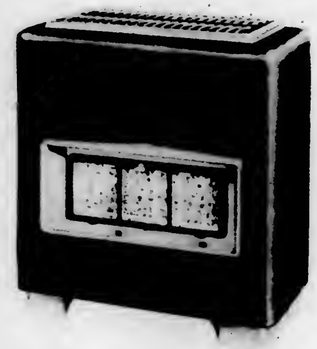
The ornamental design for a pocket lighter, as shown.

163,065
CHILD'S PUSH VEHICLE
La Von I. Powell, Denver, Colo.
Application December 4, 1950, Serial No. 13,261
Term of patent 14 years
(Cl. D34—15)



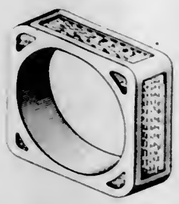
The ornamental design for a child's push vehicle, as shown.

163,066
CABINET TYPE RADIANT HEATER
James Leonard Raulston, South Pittsburg, Tenn.
Application August 4, 1949, Serial No. 4,299
Term of patent 14 years
(Cl. D81—19)



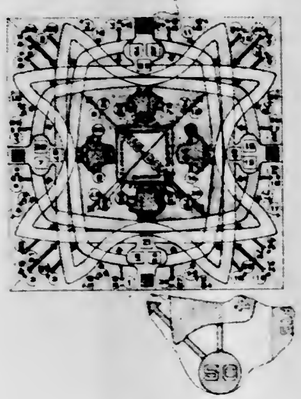
The ornamental design for a cabinet type radiant heater, as shown, and described.

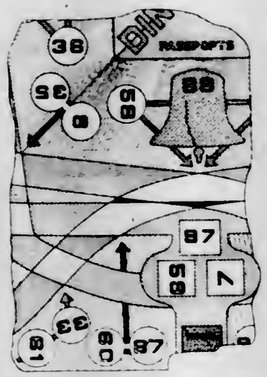
163,067
RING OR SIMILAR ARTICLE
Mabel C. Redmond, San Francisco, Calif.
Application November 13, 1950, Serial No. 12,949
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a ring or similar article, as shown and described.

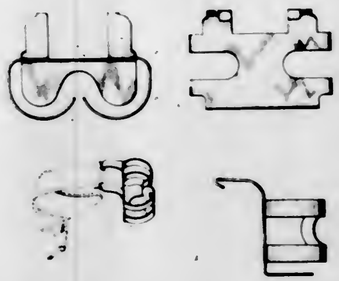
163,068
GAME BOARD
Robert L. Robbins, Jr., Berkeley, Calif., assignor to Gordon L. Byers, Berkeley, Calif., as trustee
Application November 14, 1950, Serial No. 12,969
Term of patent 3½ years
(Cl. D34—5)





The ornamental design for a game board, as shown and described.

163,069
BOTTLE HOLDER
Grant W. Roberts, Bedford, Va.
Application September 12, 1950, Serial No. 12,152
Term of patent 3½ years
(Cl. D83—8)



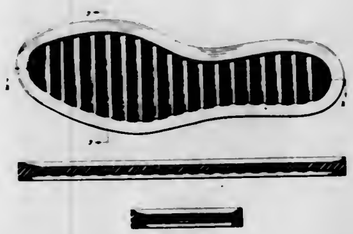
The ornamental design for a bottle holder, as shown and described.

163,070
DISPENSER
Michael C. Sawchuk, Toronto, Ontario, Canada
Application March 7, 1949, Serial No. 1,262
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a dispenser, substantially as shown.

163,071
SHOE SOLE
Henry N. Schrage, Los Angeles, Calif., assignor to The Rubber Corporation of California, Garden Grove, Calif., a corporation of California
Application December 15, 1950, Serial No. 13,447
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, substantially as shown and described.

163,072
CONDIMENT DISPENSER
George Q. Scott, Shawnee, Okla.
Application October 9, 1950, Serial No. 12,499
Term of patent 7 years
(Cl. D44—22)



The ornamental design for a condiment dispenser, as shown.

163,073
COASTER OR THE LIKE
Rubin Shatkin, Long Branch, N. J., assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J., a corporation of New Jersey
Application October 6, 1949, Serial No. 5,336
Term of patent 3½ years
(Cl. D44—10)



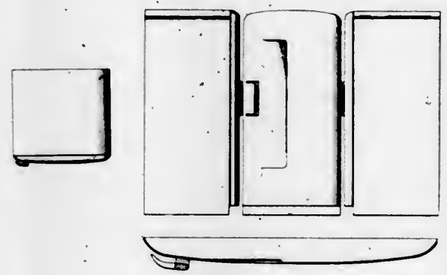
The ornamental design for a coaster or the like, substantially as shown.

163,074
EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Herman Stern, New York, N. Y., assignor to Beer-Stern Company, Inc., New York, N. Y., a corporation of New York
Application October 26, 1950, Serial No. 12,747
Term of patent 3½ years
(Cl. D3—32)



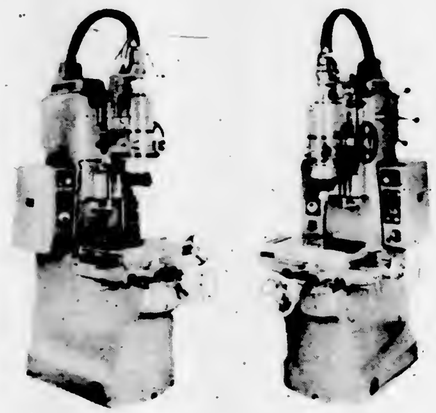
The ornamental design for an embroidered trimming or similar article, as shown and described.

163,075
REFRIGERATOR
Clifford Brooks Stevens, Fox Point, and John Hughes, Jr., Whitefish Bay, Wis., assignors to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application November 21, 1950, Serial No. 13,082
Term of patent 14 years
(Cl. D67—2)



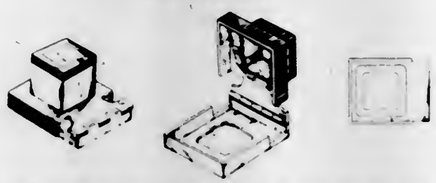
The ornamental design for a refrigerator, as shown.

163,076
JIG GRINDER
Frederick C. Victory, Milford, Conn., assignor to Moore Special Tool Co., Inc., Bridgeport, Conn.
Application July 28, 1950, Serial No. 11,455
Term of patent 14 years
(Cl. D37—1)



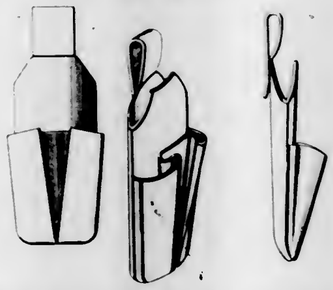
The ornamental design for a jig grinder, substantially as shown and described.

163,077
CONTAINER FOR A PHYLACTERY OR SIMILAR ARTICLE
Emanuel Weiszberg, New York, N. Y.
Application December 21, 1950, Serial No. 13,522
Term of patent 14 years
(Cl. D58—12)



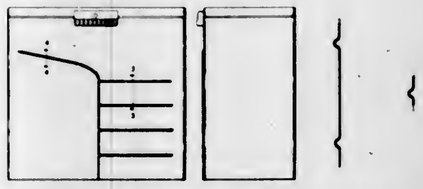
The ornamental design for a container for a phylactery or similar article, as shown.

163,078
COMBINATION SPECTACLE AND COIN CASE
Loretta B. White, Evanston, Ill.
Application November 8, 1949, Serial No. 5,933
Term of patent 14 years
(Cl. D57—1)



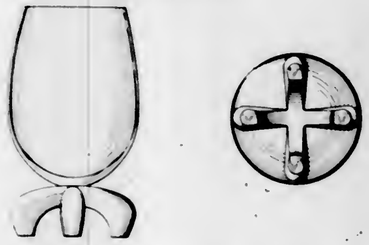
The ornamental design for a combination spectacle and coin case, as shown and described.

163,079
HOME FREEZER CABINET
Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application November 13, 1950, Serial No. 12,944
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a home freezer cabinet, substantially as shown and described.

163,080
DRINKING GLASS
William Yale Wilson, Western Springs, Ill.
Application June 24, 1950, Serial No. 10,730
Term of patent 7 years
(Cl. D36—8)



The ornamental design for a drinking glass, as shown.

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